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MONTHLY REPORTS, 1945
FEB. 1945 – JAN. 1946

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Public Works Division

21 January 1946

Monthly Report

General:

This month was the final month for this Division both at headquarters and in the field. As of 1 January 1946 all Public Works functions were turned over to the Italian Ministry of Public Works.

The office of the Regional Engineer for Northern Italy, established on 1 December 1945 also terminated activities, having hardly been given an opportunity to develop.

A large percentage of projects approved during the month were unemployment projects.

Transportation was still difficult because of the lack of POL supplies.

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PUBLIC WORKS DIVISION

14 January 1946

SUMMARY

General:

Functions of this Division at this headquarters and in the Regions were directed toward the final closing of the regions on 31 December 1945.

The office of regional engineer for Northern Italy was established on 1 December and closed on 31 December.

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SUBMARK

PUBLIC WORKS DIVISION

12 December 1945

Highways and Bridges.

Work is progressing satisfactorily. 170 trucks issued to the Genio Civile by 5 District are being used on highways and bridges.

Housing.

Improvements in the housing situation continue both in Italian Government Territory and in A.M.G. Territory.

Waterways.

Two sections of the Milano - Cremona - Po Canal were approved and urgency decrees prepared so that work should soon be initiated.

General.

Projects, mostly unemployment, and including ports and warehouses, are still being processed and approved in active regions. Procedure was established for submitting of projects from Pantelleria and Lampedusa. Transportation still handicapped by insufficient petrol.

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Public Works Division.

Highways and Bridges.

Highway and bridge work throughout Italy is proceeding satisfactorily.

All of the one hundred and seventy trucks which have been issued to the Genio Civile by 3 District are being put to use on roads and bridges.

Housing.

Steady progress in the rehousing of the roofless continued both in Italian Government territory and in A.M.G. territory.

Housing Committees are funtioning better and all Committees are very active.

Projects approved for the erection of barracks in towns which have been badly damaged progressing better than had been expected.

Ports.

Work on ports and warehouses is continuing satisfactorily throughout Italy.

In Venezia several projects have been approved for the clearing of debris from quays which had previously been under Army control and Port authorities are preparing further projects.

General.

Projects, mostly unemployment and including numerous river control projects, are still being processed and approved in active regions. A procedure was established for the submitting of projects for approval from Pantelleria and Lampedusa. Stocks of bitumen continue to arrive and the situation is at present satisfactory.

Arrangements were completed for the establishment of an office for a

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regional engineer for all the Northern Regions to function under the office of the Economic Commissioner for Northern Italy.

Continued shortages of petrol and tires continued to hamper transportation operations throughout Italy.

Highways and Bridges:

Supplies of bitumen for the Ministry of Public Works continue to arrive from the United States and distribution throughout Italy is proceeding satisfactorily. This bitumen is being distributed by Comitato Italiano Petroli, the Italian distributing Agency for petroleum products.

Work on highways has progressed better than expected because of the continued good weather necessary. With the advent of the rainy season it is expected that highway and bridge work will be slowed down considerably.

Housing:

Projects of "Case Popolare", nearly complete at the outbreak of the war, have been approved for completion in addition to the normal Rehousing Program. This has proven to be the fastest way of sheltering the roofless.

The Housing Committees are functioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rehousing of the roofless in the active regions.

Progress on building repairs is noticeable throughout Italy, both on projects approved by Public Works and privately initiated repairs. Handicapping this work considerably is the lack of materials which includes especially timber, and coal for brick and cement plants.

Ports:

Work is continuing satisfactorily in Leghorn, Civitavecchia, Naples and Ancona. New port projects have been approved for the Compartment of Liguria.

In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

In Savona several contracts were let on the breakwater at the Savona dock. 15 projects in all were initiated during the month at a cost of

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Projects of "Lungo Tevere", Rome, [illegible]

war, have been approved for completion in addition to the normal Rehousing Program. This has proven to be the fastest way of sheltering the roofless.

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In Savona several contracts were let on the breakwater at the Savona Port. 15 projects in all were initiated during the month at a cost of Lire. 11.495.000.

679

In La Spezia work is moving satisfactorily.

Steady improvement is apparent on warehouse storage space due to repairs underway.

Waterways:

The projects approved for repairs to canals and lock gates which

prevented certain waterways being used are well underway and it is hoped that

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by the end of the year these works will be completed, thus opening up more waterways for transport. There remains the large lock of Cavanella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 10 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

General:

Projects are still being processed and approved in active regions and will continue to be until the closing date is announced. Numerous unemployment projects have been approved including the first two sections of an extensive canal planned before the war.

The Genio Civile of the province of Milan has presented a long term program of public works in the sum of Lire.800.000.000.=. The works proposed in this program are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The program has been approved in principle after consultation with the Italian Ministry of Public Works and some of the work is underway.

Trucks are being received by the Ministry of Public Works and are being satisfactorily distributed throughout Italy. Distribution already effected is as follwos: Genoa - 11, Milan - 18, Bologna - 2, Bari - 16, Florence - 18, Aquila - 12, Potenza - 10, Rome - 6, and Naples - 28.

Transportation difficulties continue due to shortage of petrol and tires.

A sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, sea walls, etc.

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General:

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Highways and Bridges:

Supplies of bitumen for the Ministry of Public Works continue to arrive from the United Sates and distribution throughout Italy is proceeding satisfactorily. This bitumen is being distributed by Comitato Italiano Petroli, the Italian distributing Agency for petroleum products.

Work on highways has progressed better than expected because of the continued good weather necessary. With the advent of the rainy season it is expected that highway and bridge work will be slowed down considerably.

Housing:

Projects of "Case Popolare", nearly complete at the outbreak of the war, have been approved for completion in addition to the normal Rehousing Program. This has proven to be the fastest way of sheltering the roofless.

The Housing Committees are functioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rehousing of the roofless in the active regions.

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In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

In Savona several contracts were let on the breakwater at the Savona Port. 15 projects in all were initiated during the month at a cost of Lire. 11,495.000.

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Waterways:

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are well underway and it is hoped that

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by the end of the year these works will be completed, thus opening up more waterways for transport. There remains the large lock of Cavanella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 10 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

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Transportation difficulties continue due to shortage of petrol and tires.

A sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, sea walls, etc.

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Transportation difficulties continue due to shortage of petrol and tires.

A sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, sea walls, etc.

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SUMMARY MONTHLY REPORT - OCTOBER 1945

Public Works Division

Highways and Bridges: 14 November 1945

Supplies of bitumen for the Ministry of Public Works continue to arrive from the United States and distribution throughout Italy is proceeding satisfactorily. This bitumen is being distributed by Consiglio Italiano Petroli, the Italian distributing Agency for petroleum products.

Housing:

Projects of "Case Popolare", nearly complete at the outbreak of the war, have been approved for completion in addition to the normal Rehousing Program. This has proven to be the fastest way of sheltering the roofless.

The Housing Committees are funtioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rehousing of the roofless in the active regions.

Ports:

Work is continuing satisfactorily in Leghorn, Civitavecchia, Naples and Ancona. New port projects have been approved for the Compartment of Liguria.

In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

In Savona several contracts were let on the breakwater at the Savona Port. 15 projects in all were initiated during the month at a cost of L. 11.495.000.

Work on repair to warehouses is underway.

Waterways:

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are well underway and it is hoped that by the end of the year these works will be completed, thus opening up more waterways for transport. There remains the large lock of Cavanella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 10 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

General:

Projects are still being processed and approved in active regions and will continue to be until the closing date is announced. Numerous unemployment projects have been approved including the first two sections of and extensive canal planned before the war.

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The Housing Committees are functioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rehousing of the roofless in the active regions.

Ports:

Work is continuing satisfactorily in Leghorn, Civitavecchia, Naples and Ancona. New port projects have been approved for the Compartment of Liguria.

In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

In Savona several contracts were let on the breawater at the Savona Port. 15 projects in all were initiated during the month at a cost of L. 11.495.000.

Work on repair to warehouses is underway.

Waterways:

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are well underway and it is hoped that by the end of the year these works will be completed, thus opening up more waterways for transport. There remains the large lock of Cavanella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 10 months. Every effort in being made to push ahead with the work in an endeavour to reach an earlier completion date.

General:

Projects are still being processed and approved in active regions and will continue to be until the closing date is announced. Numerous unemployment projects have been approved including the first two sections of and extensive canal planned before the war.

The Genio Civile of the province of Milan has presented a long term program of public works in the sum of L.800.000.000.=. The works proposed in this program are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The program has been approved in principle after consultation with the Italian Ministry of Public Works and some of the work is underway. 115

Trucks are being received by the Ministry of Public Works and are being satisfactorily distributed throughout Italy. Distribution already effected is as follows: Genoa - 11, Milan - 18, Bologna-2, Bari - 16, Florence - 18, Aquila - 12, Potenza - 10, Rome - 6, and Naples - 28.

~~The continued shortage of petrol and tires renders the operation of motor transportation facilities difficult.~~

Transportation difficulties continue due to shortage of petrol & tires

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

20 November 1945.

MONTHLY REPORT - OCTOBER

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20 November 1945.

ROUTINE REPORT - OCCUPIED

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PUBLIC WORKS DIVISION

Highways and Bridges

Supplies of bitumen for the Ministry of Public Works continue to arrive from the United States and distribution throughout Italy is proceeding satisfactorily. This bitumen is being distributed by Unit-state Italiana Petroli, the Italian distributing agency for petroleum products.

Housing

Projects of "Case Popolari", nearly complete at the outbreak of the war, have been approved for completing in addition to the normal housing program. This has proved to be the fastest way of ameliorating the roofless. From standpoint of time involved for completion, persons housed and cost, the work on these Case Popolari was more advisable than attempting to repair other habitations. The Housing Committees are functioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rehousing of the roofless in the active regions.

Ports

Work is continuing satisfactorily in Leghorn, Civitavecchia, Naples and Ancona. New port projects have been approved for the Compartment of Liguria.

In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time. When each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

In Savona several contracts were let on the breakwater at the Savona Port. 19 projects in all were initiated during the month at a cost of 11,695,000 Lire.

Work on repair to aurunculae is underway.

Waterways

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are still underway and it is hoped that by the end of the year these works will be completed, thus opening up more waterways for transport. Those involving the large lock of Pontinella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are totally completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 18 months. Every effort is being made to push ahead with the work in an endeavour to secure an earlier completion date.

Coasts

Projects are still being processed and approved to relieve refugees and will continue to be until the closing date is announced. Numerous

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[illegible] From standpoint of time involved for completion purposes harbor and port work on these three ports was more advisable than attempting to repair other habitations. The Housing Committees are functioning better now. Every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the rebuilding of the residence in the active regions.

Ports

Work is continuing satisfactorily in Taranto, Civitavecchia, Naples and Augusta. New port budgets have been approved for the Department of Liguria.

In Genoa 5 of the 6 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished, a portion at a time, when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Sweeping and salvage operations continue.

To Savona several contracts were let on the breakwater of the Corvetto port. 15 projects in all were initiated during the month at a cost of 11,435,000 Lire.

Work of repair to breakwater is underway.

Waterways

The projects proposed for repairs to enable the lock gates which prevented certain waterways being used are well underway and it is hoped that by the end of the year these repairs will be completed, thus opening up more waterways for transport. Plans for the large lock of Cornegliano d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly complete and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 18 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

General

Projects are still being processed and approved in active regions and will continue to be until the clearing note is received. Numerous undertakement projects are being effected including the first two sections of an extensive canal system before the war.

The Genio Civile of the province of Milan has presented a long term program of public works in the sum of 800,000,000 Lire. The works proposed

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End of the five technical working Committees on Electric Power, Sicily, Sardinia, Central and Northern Italy is now operating under an active chairman, who are members of the respective committees besides the final responsible of the Ministry of Public Works Staff & the chairmanship of the various committees.

Power allocations

The meeting of the Allied Force Electric Power Committee AFHQ(T) i.e. successor to the Electric Power Committee AFA(T) 8, was attended by representatives of this sub-commission.

To continue power was allocated to Southern Italy for the month of November. No change has been made since the July 1945 allocations were made.

The Cornia plant, at Naples, is still operating at a reduced output due to the necessary curtailment of fuel oil. The total output from the Cornia plant used to supply the Italian area which according to this Sub-Commission survey, represents about 1/3 of the power supply in the Naples area.

For Central Italy the committee found it necessary, due to lack of fuel oil, to make reductions in allocations for November.

The demand was reduced from 210,700 KW to 22,000 KW and the energy from 220.75 million KWH to 147.50 million KWH.

The power supply in North Italy is generally favorable, however, it is now necessary in some of the larger cities and will be necessary in others, to establish a rotating area control programme in order to insure a suitable distribution of the supply.

The power supply situation for the whole of Italy has been placed before the Ministry of Public Works and this Sub-Commission is cooperating with the Ministry on the establishing of a Central Governmental Commission for the control of power.

Transmission lines connecting Central Italy to Southern Italy

The Rhesina to Arci and the Arci to Rogata 130,000 Volt transmission lines were completed as of 31 Oct 45. The section of line between Terni and Rieti is yet to be finished. When this section is completed power will be able to flow from Central Italy to the Rome-Naples area interconnecting Southern Italy.

The section of 130,000 volt line between Arci and Naples is complete. The transformer for the Naples end of the line, however, will not be ready until December 1945. This will permit power flow to the Naples area from Central Italy.

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Transport

During the month the Ministry of Public Works completed its survey of motor transport needs of the Electric Utility Companies. The request for transport has been submitted through Transportation S/C. A.C., to the Ministry of Transportation with the intercession of this Sub-Commission. The survey and request is based upon the resumption of excess war equipment being made available for the Italian Government.

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1. Highways and Bridges

Supplies of bitumen for the Ministry of Public Works continue to arrive from the United States and distribution throughout Italy is proceeding satisfactorily. This bitumen is being distributed by Compagnia Italiana Petroli, the Italian distributing agency for petroleum products.

Work on highways has progressed better than expected because of the continued good weather. With the advent of the rainy season it is expected that highway and bridge work will be slowed down considerably.

2. Housing.

Projects of "Case Popolari", mainly complete at the outbreak of the war, have been approved for completion in addition to the regular housing program. This has proven to be the fastest way of obtaining the much

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3. Ports

Work is continuing satisfactorily in Leghorn, Civitavecchia, Naples and Ancona. New port projects have been approved for the Department of Liguria.

In Genoa 3 of the 4 dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Dredging and salvage operations continue.

In Savona several contracts were let on the breakwater at the Savona Port. 15 projects in all were initiated during the month at a cost of 11,495,000 lire.

In La Spezia work is progressing satisfactorily.

Steady improvement is apparent on warehouse storage space due to repairs underway.

4. Waterways

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are well underway and it is hoped that by the end of the year these works will be completed, thus opening up more waterways for transport. These include the large lock of Cervelle d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 12 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

5. Canal

Projects are still being processed and approved in active regions and will continue to be until the closing date is announced. Numerous unemployment projects have been approved including the first two sections of an extensive canal planned before the war.

The Comune Civile of the province of Milan has presented a long term program of public works in the sum of 800,000,000 Lire. The works proposed in this program are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The program has been approved in principle after consultation with the Italian Ministry of Public Works and some of the work is underway.

Trucks are being received by the Ministry of Public Works and are being satisfactorily distributed throughout Italy. Distribution already effected is as follows :- Genoa - 23, Milan - 18, Bologna - 2, Bari - 4, Florence - 22, Aquila - 12, Potenza - 10, Rome - 6, and Naples - 28.

Transportation difficulties continue due to shortage of petrol and tyres.

A sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, sea walls, etc.

6.

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21,295,000 lire.

In Le Marche work is progressing satisfactorily.

Steady improvement is apparent as warehouse storage space due to repairs underway.

4. Waterways

The projects approved for repairs to certain lock gates which prevented certain waterways being used are well underway and it is hoped that by the end of the year these works will be completed, thus opening up more waterways for transport. These include the large lock of Cavanella d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, which was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 10 months. Every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

5. General

Projects are still being processed and approved in active regions and will continue to do until the closing date is announced. Numerous unemployment projects have been approved including the first two sections of an extensive canal planned before the war.

The Comune Civile of the province of Milan has presented a long term program of public works in the sum of 800,000,000 lire. The works proposed in this program are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The program has been approved in principle after consultation with the Italian Ministry of Public Works and some of the work is underway.

Trucks are being received by the Ministry of Public Works and are being satisfactorily distributed throughout Italy. Distribution already effected is as follows :- Genoa - 24, Milan - 18, Bologna - 2, Pari - 16, Florence - 16, Aquila - 12, Potenza - 10, Bari - 6, and Naples - 28.

Transportation difficulties continue due to shortage of petrol and tyres.

A sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, sea walls, etc.

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6. Attached are tables showing present status of work projects :-

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	Initiated during month	COST (Rs)	Completed during month	COST (Rs)	Employment during month
Table "C"		Schemes of Military Priority			
Roads	18	142,835,000	11	16,500,000	124
Bridges	4	40,920,000	7	15,000,000	44
TOTAL	22	183,755,000	18	31,500,000	168
Table "D"		Schemes other than of Military Priority (but for which approval of AG/GHQ was re			
Roads	44	186,833,486	27	15,05,897	275
Bridges & Retaining walls	40	1,087,706	20	2,22,000	234
Public buildings	133	77,600,314	59	10,720,300	479
Schools	71	122,067,306	9	1,358,937	197
Water Supply & Sewerage	22	30,35,903	10	27,20,042	195
Agricult. Sewers	14	102,002,803	65	13,918,533	233
Hydraulic Works	19	30,02,100	16	20,45,200	62
Irrigation works	26	62,32,125	18	33,07,519	191
Housing	21	18,24,720	4	1,62,600	85
Bunding	16	32,716,000	7	5,140,260	147
TOTAL	423	702,247,909	225	176,012,188	2,130
Table "E"		Schemes having Preferential Claim to Rail Movement			
Roads	-	-	17	2,662,000	246
Bridges	-	-	-	-	-
Public Buildings	47	5,[illegible],132	56	2,512,218	372
Water Supply	-	-	18	2,18,175	34
Water works, Sewers	31	1,800,15,	254	23,263,273	287
Housing	-	-	4	64,124	5
Ports	-	-	1	7,000	13
Bunding	1	195,000	7	719,000	30
TOTAL	79	10,335,147	357	32,979,384	969
GRAND TOTAL	501	896,338,236	582	208,161,572	3,267

[illegible] Rs. 1 lakh & 50, not [illegible]

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AIRCRAFT WORK PROGRESS BY CONTRACT

Initiated during month	COST (Fire)	Completed during month	COST (Fire)	In progress during month	COST (Fire)
Sources of Military Priority					
38	112,855,082	16	10,590,000	124	432,758,400
1	10,900,000	7	15,000,000	44	136,673,110
22	103,755,000	22	23,590,000	168	390,451,510
Sources of Military Priority (not for salvage)					
44	256,835,380	27	15,365,837	275	840,669,839
49	41,867,736	19	1,597,000	234	274,076,904
133	77,400,314	50	10,738,500	479	916,213,250
67	122,083,276	8	1,128,237	192	347,786,269
22	30,375,647	10	27,240,742	195	220,583,833
69	100,902,953	60	4,511,535	233	241,884,339
19	20,038,700	16	26,743,250	282	325,675,11.
2	12,506,525	18	33,067,250	107	224,[illegible],272
21	15,219,795	4	1,821,600	85	49,077,280
16	15,716,053	7	5,049,280	42	134,905,457
443	702,267,909	220	166,942,168	2,130	3,069,154,589
Sources unlisted (unavailable at time of report)					
-	-	37	2,662,000	246	38,713,638
-	-	-	-	-	-
47	5,378,232	66	2,512,212	372	50,321,631
-	-	28	2,10[illegible],175	24	3,996,104
31	4,050,115	154	23,263,273	287	31,4[illegible],953
-	-	1	64,124	5	826,115
-	-	3	1,000	12	1,795,770
1	197,056	7	719,006	36	6,111,1[illegible]
82	10,325,447	297	33,879,394	969	137,471,833
594	884,538,326	547	228,161,376	3,267	3,[illegible],[illegible]

[illegible] Sources unlisted

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TYPES PROJECTS	Works initiated during the month	C O S T (Lire)	Works completed during the month	C O S T (Lire)	Wo... to be ...
TABLE "A"					
Roads	13	16,643,535	1	15,136,202	17
Bridges	4	34,213,000	16	6,921,620	6
TOTAL "A"	17	50,856,535	17	22,057,822	23
TABLE "B"					
Roads	240	482,580,625	110	12,750,536	1,56
Bridges	138	279,163,629	20	84,135,402	6
Public buildings	175	232,720,625	132	75,804,613	57
Schools	89	94,649,837	93	55,850,910	5
Churches & Charitable inst.	79	30,776,187	62	22,976,516	3
Water removal, etc.	116	174,34.,372	237	123,901,194	52
Aqueducts & Sewers	47	62,911,990	62	34,645,736	2
Hydraulic works	36	42,267,600	36	25,301,941	1
Defense works	42	96,230,086	13	30,231,165	1
Road & bridges	1,954	306,208,571	1,070	188,193,130	3,5
Sundries	39	69,374,180	23	42,882,055	2
TOTAL "B"	3,013	1,916,649,120	2,006	887,746,941	7,51
GRAND TOTAL (A & B)	3,030	2,006,501,935	2,073	1,065,107,643	8,2

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WORKS [illegible] during month	COST (,000)	WORKS completed during month	COST (,000)	WORKS in PROGRESS during month	COST (,000)
[illegible]					
13	16,645,515	1	12,136,102	179	605,67,239
4	34,219,000	16	6,341,620	66	290,121,850
42	175,8[illegible],15	67	200,666,722	663	983,297,000
[illegible]					
240	426,860,985	110	151,756,038	1,052	1,412,83[illegible],673
150	477,563,289	98	64,135,410	647	1,30[illegible],731,916
375	232,250,125	132	79,291,659	991	770,185,788
89	54,[illegible]13,630	93	38,060,[illegible]36	511	268,231,349
79	50,276,467	62	22,076,716	354	[illegible]4,[illegible],820
146	14,581,375	269	12,904,192	525	[illegible]1,641,67
47	6,941,090	42	35,612,396	206	824,391,751
96	22,267,602	56	23,301,941	317	698,562,947
49	81,230,066	41	30,531,186	163	300,899,251
1,991	564,907,575	1,010	188,193,130	3,564	1,248,541,610
32	69,374,180	34	62,892,045	268	447,961,807
3,043	1,936,615,220	2,006	947,746,912	7,917	7,935,350,017
3,093	2,186,501,235	2,373	1,048,407,663	8,162	8,217,63,826

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TABLE "C" STATUS OF WORKS AT BEGINNING OF OCTOBER 1945

Provinces of: Agrigento - Ancona - Arezzo - Ascoli Piceno - Avellino - Bari - Benevento - Brindisi - Cagliari - Caltanissetta - Campobasso - Caserta - Catania - Catanzaro - Chieti - Comenza - Enna - Firenze - Foggia - Forlì - Grosseto - Grosseto - L'Aquila - Latina - Lecce - Livorno - Lucca - Macerata - Matera - Messina - Napoli - Nuoro - Palermo - Perugia - Pesaro - Pescara - Pisa - Pistoia - Potenza - Ragusa - Ravenna - Reggio Calabria - Reggio Emilia - Rieti - Roma - Salerno - Sassari - Siena - Siracusa - Taranto - Teramo - Tetni - Torino - Trapani - Vercelli - Viterbo -

THE REPORT COVERS THE MONTH OF SEPTEMBER 45

	1 Started before Sept.	2 Started during Sept.	3 Total Col. 1 & 2	4 Approx. Cost (in thousand lire)	5 Completed up to 31 Sep 1945	6 Balance underway 3 less 5
Projects done by the owners:						
up to 50,000 litre	15,959	2,630	18,583	518,947	11,801	6,782
from 50,000 to 150,000 litre	12,167	3,503	15,670	1,320,047	7,345	8,325
from 150,000 to 300,000 litre	4,374	1,998	6,372	1,361,541	1,994	4,378
from 300,000 to 1,000,000 litre	910	97	1,007	549,305	426	611
over 1,000,000 l.	196	21	217	366,119	60	157
	33,632	8,249	41,879	4,345,959	21,626	20,253
Projects done by Genio Civile:						
up to 50,000 litre	7,819	834	8,647	160,794	7,015	1,632
from 50,000 to 150,000 litre	3,292	144	3,436	285,662	2,133	1,425
from 150,000 to 300,000 litre	1,203	91	1,294	260,159	685	609
from 300,000 to 1,000,000 litre	621	93	714	363,109	259	445
over 1,000,000 l.	157	36	193	605,613	50	143
	13,176	643	13,816	1,675,717	10,142	3,674
Total Type A	46,808	8,892	55,695	6,021,676	31,768	23,927

	[illegible]	[illegible]	[illegible]	(in thousand litre)	vs 31 Sep 1945	underway & less S
Projects done by the owners:						
up to 50,000 litre	13,753	2,630	18,583	340,647	12,811	6,782
from 50,000 to 150,000 litre	12,167	3,503	15,670	2,320,047	7,345	8,325
from 150,000 to 300,000 litre	4,374	1,998	6,372	1,561,511	1,994	4,378
from 300,000 to 1,000,000 litre	920	77	1,057	549,350	426	611
over 1,000,000 l.	456	21	617	366,119	60	157
TOTAL	33,650	8,249	41,879	4,345,959	21,626	20,253
Projects done by Caste Hindus:						
up to 50,000 litre	7,613	824	8,047	160,194	7,015	1,032
from 50,000 to 150,000 litre	3,392	444	3,038	285,662	2,133	1,465
from 150,000 to 300,000 litre	1,403	91	1,491	249,459	685	609
from 300,000 to 1,000,000 litre	611	93	704	363,209	850	465
over 1,000,000 l.	157	36	243	803,619	50	163
TOTAL	13,176	1,488	13,836	1,861,717	10,142	3,674
GRAND TOTAL	46,806	8,889	55,695	6,221,676	31,768	23,927

CON. SITE COMMITTEES 437

Preceding total	Total this month	New total
622	142	764
192	12	144
58	5	63

Working Committees
Advisory Committees
Communes as but Requiring Committees

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ELECTRICAL POWER

INDEX

Section	SUBJECTS	Page
1	Transport	6
2	Advisory Committees	6
3	Power Allocations	8
4	Transmission Lines connecting Central to Southern Italy	9

1. Transport

With the aim the requests of the Power Companies for transport equipment were consolidated into final form and submitted through transportation sub-Commission, A.C. to the Ministry of Transportation. The request is being made by the Ministry of Public Works on behalf of the Power Companies.

The purpose of the request is to secure for the Power Companies some of the surplus vehicles being made available by the Military Forces to the Italian Government as direct aide to the civilian economy.

2. Advisory Committees

Regular monthly meetings of the Advisory Committees on Electric Power were held under the direction of acting chairmen in Sicily, Sardinia, Southern, Central and Northern Italy. Matters pertaining to frequency, power interchange, electric power availability and rationing, rehabilitation supplies and transportation comprised the principle orders of business. The discussions centered on ways and means of the best methods of meeting the problems arising in the above mentioned categories.

The decree, being prepared by the Italian Government fixing membership and the responsibilities of the Advisory Committees, is still in the process of formulation. The need for prompt action on this matter has been called to the attention of the Ministry of Public Works on several occasions.

3. Power Allocations

Representatives of this Sub-Commission attended the monthly meeting of the Allied Force Electric Power Committee A.F.E.P.C.(I) H. held on 27 Oct 45. This Committee is the successor to the Electric Power Committee of the A.F.H.Q. (I) H.

The unusual lack of fall rains is seriously affecting the electric power production in Southern and Central Italy. This years drought conditions are generally considered by the Utility Companies to be the driest they have experienced in the past 40 years and the resultant effect on electric power output is readily understandable.

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The decree, being prepared by the Italian Government fixing membership and the responsibilities of the Advisory Committee, is still in the process of formulation. The need for quicker action on this matter has been called to the attention of the Ministry of Public Works on several occasions.

3. Power Allocations

Representatives of this Sub-Commission attended the monthly meeting of the Allied Force Electric Power Committee A.F.E.P.C.(I) B. held on 27 Oct 45. This Committee is the successor to the Electric Power Committee of the A.F.E.P.C. (I) B.

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For Southern Italy the situation remained critical and no additional allocations could be made for November. No change has been made in Southern Italy allocations since July 1945. The amounts remaining at 155,000 kW of capacity and 80,000,000 KWH.

As to the necessary curtailment of fuel oil the thermal plants at Naples have been forced to operate at a reduced schedule. A study by this Sub-Commission shows that these have been producing 17.1% of the electric energy and 23.2% of the demand furnished to the Naples area. These plants

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are only operated during the day and peak periods.

In order to help out the situation in the Naples area plans were set in motion to move a 10,000 KVA 150,000 to 60,000 volt transformer from Petrolito to the substation at Tuscicano. This move will relieve some of the overload on the present substation serving the Naples area from the South and will require about two months to complete.

In Central Italy the rain deficiency required that November allocations be reduced below October. The demand was reduced from 240,700 KW to 221,000 KW and the energy from 120,350,000 KWH to 109,500,000 KWH.

The power supply situation in Northern Italy remained generally favourable. In some of the larger cities, however, it was been necessary to initiate control measures to hold down energy consumption and peak loads.

During the month the first coal was being received by the gas plants which will permit putting up operations to be started.

The heating up requires a month to six weeks to accomplish. Therefore the relief on electric distribution systems resulting from gas for domestic services will not be felt until the latter part of November or early December.

4. - Transmission lines connecting Central Italy to Southern Italy

Progress on the repair of these lines was reported during October. As of the end of the month the section of 150,000 volt line between Roscaro and Arci and Arci to Foggia was finished. Work continued on the section between Teghi and Rosaro. The completion of the later section will permit a flow of power to the Foggia-Bari area and thereby relieve the load on Southern Italy, when the additional generating capacity now being repaired in Central Italy is ready to produce power.

The section of 150,000 volt line between Arci and Naples has been repaired but cannot be utilized until the transformer on the Naples end is ready. This is still scheduled for the later part of December, during unforseen contingencies and delay. This will permit the flow of power from Central Italy to the Naples area and provide a second source for that area in the event of a substation failure at Tuscicano.

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therefore the failure of electric distribution systems resulting from gas for domestic services will not be felt until the later part of November or early December.

4. Transmission lines connecting Central Italy to Southern Italy

Progress on the repair of these lines was reported during October. As of the end of the month the section of 130,000 volt line between Isernia and Arci and Arci to Foggia was finished. Work continued on the section between Terni and Rieeti. The completion of the later section will permit a flow of power to the Foggia area and thereby relieve the load on Southern Italy, when the additional generating capacity now being erected in Central Italy is ready to produce power.

The section of 130,000 volt line between Arci and Naples has been repaired but cannot be utilized until the transformer on the Naples end is ready. This is still scheduled for the later part of December, during unfrozen conditions and only. This will permit the flow of power from Central Italy to the Naples area and provide a second source for that area in the event of a substation failure at Tuscania.

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REGIONAL REPORTS

INDEX

Reports submitted by the Regional Engineers are briefly summarized in the following pages:-

Region	Page
Liguria	10
Piemonte	11
Lombardia	12
Venezia	13

The number, cost and status of all projects in the several regions are included in the Summary Tables on pages 5, 6, 7.

LIGURIA - (Regional Engineer: Lt-Col. F.E.A. the R.E.)

General

Unemployment during the month has been given the prime consideration and many worthy projects, not only from the stand point of unemployment, have also been of great value to the community and public in general.

Public Works

Very little change has taken place in the Public Works Division. The bulk of the work has been Public Buildings, and debris removal, however a sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, etc. In general, projects in number have been many but of small expenditure.

Highways and Bridges

As shown in the statistical report the volume of works in this division has been large. Satisfactory progress is being made on construction.

There has been no lack of material, but transportation still remains the big problem. The operation of the R.R. (Northwest) has helped and Genio Civile uses the few trucks at their disposal to the best advantage.

At the present time shipment of material, especially [illegible] to the different ports, is under study. Small boats and barges are available.

More requests have been made for the use of "ruspas" to keep isolated districts open this winter. Any built was already erected [illegible] in such locations on State roads.

Cobalt 12

Venado 13

The number, cost and status of all projects in the several regions are included in the summary tables on pages: 5, 6, 7.

Kilgore - (Regional engineer: Lt-Col. F.G.R. Hill R.E.)

General

Employment during the month has been given the first consideration and many worthy projects, not only from the stand point of unemployment, have also been of great value to the community and public in general.

Public Works

Very little change has taken place in the Public Works Division. The bulk of the work has been public buildings, and debris removal, however a sizeable amount of work was initiated during the month on sewers, water lines, aqueducts, flood control, etc. In general, projects in number have been many but of small expenditure.

Highways and Bridges

As shown in the statistical report the volume of works in this division has been large. Satisfactory progress is being made on construction.

There has been no lack of material, but transportation still remains the big problem. The operation of the R.R. (Northwest) has helped and beside Civic Week (no less trains at their disposal to the best advantage.

At the present time shipment of material, especially cement, is to the different ports, is under study. Small boats and barges are available.

More requests have been made for the use of "Bailey's" to keep isolated districts open this winter. Army Unit has already erected 2 in such localities on State roads.

Ports

General

Port work in general continues satisfactorily. Progress is being made at all ports. Many projects were bid during the month, and contractors

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now at work. Steady improvement on warehouse storage space is noted.

Genova

Three of the four dry docks can now be operated. A great amount of repairs still remain to be done, but this is being accomplished a portion at a time when each respective dock is dry. The list of ships for dry docking and repair is steadily increasing. Dredging and salvage operations continue.

Work on repair to the large Chamber of Commerce warehouse and ice warehouse. The last crack in the breakwater is under reconstruction.

Savona

Several contracts were let on the breakwater at the Savona port. 15 projects in all were initiated during the month at a cost of 11,695,000 L.

In Spezia

Work at L. Spezia is moving satisfactorily. Two new projects were initiated.

Housing

Reports indicate that Genio Civile is continuing satisfactorily in this division. An average of 50 new projects per day have been submitted by the various committees of the region.

Construction and completion of the work undertaken has however lagged. Genio Civile have been requested to accelerate their activity in this department.

Electricity

During the last of the month electric current was curtailed, but the recent heavy rains has solved that problem. Local damage to power and communication lines occurred during recent rains.

Gas Works

Conferences with Gas Officials revealed that on the 15 of Nov. gas would be available for 2 hours daily in Genoa city and certain smaller areas in the immediate vicinity. Coal has been allotted but up to the present amounts have received except for warming up plant.

PIEDMONT - (Regional Engineer: Lt-Col. J. S. ADAMS)

Public Works

Repairs being made to buildings are increasing. In addition to the projects that are coming to this office, there are hundreds of applications making repairs on their own. Lack of material is handicapping this work considerably.

Highways and Bridges

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25 projects in all were initiated during the month at a cost of 11.49,000 L.

Le Kpeglo

Work at L. Kpeglo is having satisfactory - Two new projects were initiated.

Housing

Reports indicate that Public Civils is continuing satisfactorily this Division. An average of 50 new projects per day have been submitted by the various contractors of the Region.

Construction and completion of the work undertaken has however lagged. Public Civils have been requested to accelerate their activity in this department.

Electricity

During the last of the month electric current was curtailed, but the recent heavy rains has solved that problem. Much damage to power and communication lines occurred during recent rains.

Gas Works

Conference with Gas Officials revealed that on the 15 of Nov, gas would be available for 2 hours daily in Accra city and certain smaller area in the immediate vicinity. Coal has been allotted but up to the present nothing has been received except for working up plant.

PRIORITY - (Regional Director: Lt-Col. J. S. LEWIS)

Public Works

Repairs being made to buildings are increasing. In addition to the projects that are coming to this office, there are hundreds of [illegible] making repairs on their own. Lack of material is handicapping this work considerably.

Highways and Bridges

The work in this section has been progressing unusually well. The weather has been very favourable which has permitted good progress on all outdoor projects. There has been some difficulty in getting cement from the factories.

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Electricity

Practically all of the power plants and major power lines that were damaged are again in operation. A few are repaired on a temporary basis until materials can be obtained to make these repairs permanent. The general power conditions in this region are good and there is no shortage of electricity. Trouble is increasing, because there is no gas available for the thousands of people who are cooking and heating with electricity. This condition will get worse as the weather gets colder until coal is available for the manufacture of gas.

Gas

Prohesting of ovens at gas works has been started and some gas is available for special manufacturing operations.

LOMBARDY - (Regional Engineer; Major A. O. EVANS R.E.)

General

The Genio Civile of the province of Milan has presented a long term programme of public works in the sum of 800,000,000 Lire. The works proposed in this programme are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The programme has been approved in principle after consultation with Italian Ministry of Public Works and definite projects have been called for by this Division. Other provincial Genio Civile of the Region have been asked to submit similar programmes.

Military Highways

Several roads within the confines of Milan City have been declared of military interest and work has been initiated.

Other Highways

It is hoped that a certain amount of bitumen may be available in the near future so that some attention may be given to important non-military highways.

Public Works

The improvement in the placing of contracts and commencement of works has been maintained.

Electricity

A deficiency of rainfall in Northern Italy during the month of September and October has reduced the water in storage in the reservoirs which supply the hydro-electric generating plants. Due to shortage of water for the hydro-electric plants the electric companies of Lombardia have projected a plan for reducing electric power consumption. If this plan is put into operation it will affect all consumers of electric service

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MILANO - (Regional Engineer: Major A. C. EVANS R.E.)

General

The Genio Civile of the province of Milan has presented a long term programme of public works in the sum of 800,000,000 Lire. The works proposed in this programme are not of immediate urgency but are all desirable and are put forward at the present time with a view to relief of winter unemployment. The programme has been approved in principle after consultation with Italian Ministry of Public Works and definite projects have been called for by this Division. Other provincial Genio Civile of the Region have been asked to submit similar programmes.

Military Highways

Several roads within the confines of Milan City have been declared of military interest and work has been initiated.

Other Highways

It is hoped that a certain amount of bitumen may be available in the near future so that more attention may be given to important non-military highways.

Public Works

The improvement in the placing of contracts and commencement of works has been maintained.

Electricity

A deficiency of rainfall in Northern Italy during the month of September and October has reduced the water in storage in the reservoirs which supply the hydro-electric generating plants. Due to shortage of water for the hydro-electric plants the electric authorities of Lombardia have proposed a plan for reducing electric power consumption. If this plan is put into operation it will affect all consumers of electric service except water supply systems, hospitals and tramways.

Gas

Coal has been allotted to the Milano Gas Plant for the month of October. The Milano gas plant is being prepared and it is anticipated that gas will be distributed for two hours per day about 15 November 1945.

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approval. Finally the division preparations have been made for clearing down and files prepared for handing over. Arrangements have been made with the Magistrate Ville Joque to handle all future projects after the end of October; any that are of an urgent nature he will submit to this Division for approval and financing, as long as the Region is operating. In the middle of the month, a conference was held at the office of the Magistrate Ville Joque at which all the Genie Civile were in attendance. The Genie Civile gave a report of the activities in their respective Provinces; they all agreed that the most urgent and necessary works had been presented and approved and that there was sufficient work for the unemployed for the next 5/6 months; other works required to be done which were of less urgency, could wait to be routed through the Stanleyville Commune to the Ministry of Public Works. Three Genie Civile engineers and further projects to submit which they indicated were their final works of an urgent nature, were instructed to present them by a given date in order that they could be forwarded to Home for approval.

Public Works

During the month many projects have been approved for the repairs to schools, in addition, projects have been approved for public jails and import public buildings. Works on those already approved is proceeding satisfactorily, the necessary materials now being more easily available.

Highways and Bridges

All work on the military routes are proceeding satisfactorily and the programme for snow clearance tied up with the Army. A letter of appreciation for the work done by this Division was received from the Corps Commander 15 Corps.

A number of contracts have been let for bridge construction on State Provincial and Communal Roads; temporary projects to serve for the winter have been suspended until the permanent reconstruction can start next Spring.

Applications have been received from the Provinces for Bailey bridges, in localities which may be in danger of being cut off this coming winter; these applications have been forwarded to the Army authority in whose area these bridges are.

Housing

The Housing Committees are functioning better and every encouragement has been given to them by the Provincial Commissioners who have taken a keen interest in the formation of the nucleus. An inspection was made of the town Chiengris, where there were 2,300 Listeless and it was decided to erect fifteen "Ossa Aperta"; the project for these was prepared to Home and approved. The approval of this project has had a wonderful effect upon the people of Chiengris who have expressed their gratitude through the Mayor.

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Water

The position appears to be normal. Works on projects to repair war damage is proceeding satisfactorily.

Waterways

The projects approved for repairs to canals and lock gates which prevented certain waterways being used are well under way and it is hoped that by the end of the year these work will be completed, thus opening up more waterways for transport. There remains the large lock of Casanello d'Adige which forms the main link for craft going to and from the river Po to Chioggia and Venice, this was totally destroyed. The preliminary works of demolition are nearly completed and a project for the reconstruction has been approved. It is not expected that the reconstruction can be undertaken in less than 18 months, every effort is being made to push ahead with the work in an endeavour to reach an earlier completion date.

Survey

Before the Region closes down, I would like to put on record my observations of the Magistrato alle Acque and the Genio Civile.

The Magistrato alle Acque and his Inspectors have shown every cooperation during the period of A.M.G. control, their operations unfortunately have been restricted due to lack of cars without which they cannot operate efficiently; they have done the best they can with the few cars they had available. The Genio Civile with one or two exceptions have worked very well under such pressure and conditions, which no doubt they have not had before. After the first two months of A.M.G. control, during which time they had to become accustomed to new conditions and procedures, they realised their responsibilities and in the following three months submitted a great number of projects for approval. They also took full advantage of the powers given to them to undertake works up to Lire 200,000, so much so that one or two in their eagerness were inclined to overstep the mark, but this can be looked upon as a good thing.

Electricity

The electric power situation has remained satisfactory. A meeting was held with ENEL on the supply position in Venice having regard to the extra load which will be expected during the winter on the already overburdened power load. Instructions were sent out to all Army Units to restrict their use of electricity during certain hours and a watch is being kept on the situation. If the power load increases very materially it may be necessary to resort to rationing. The production of gas Vetrocoke is only sufficient for three hours daily and has little effect on the Peak Power Load. The solution would be to increase the allocation of coal to Vetrocoke for gas production.

Gas

The recent allocation of coal to the gas works has enabled these works to produce a limited amount of gas for domestic purposes and has relieved, to some extent, the overload on the electrical distribution.

Supply

Before the Region closes down, I would like to put on record my observations of the Magistrato alle Acque and the Genio Civile.

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Gas

The recent allocation of coal to the gas works has enabled them to engage in private a limited amount of gas for domestic purposes and has relieved, to some extent, the overload on the electrical distribution.

E. J. FIDLER,
Colonel, C.E.

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(1). Highways and Bridges:

Arrangements have been completed for the Italian Ministry of Public Works to assume responsibility for maintenance of military Routes on 1 October. This turnover has been underway for the past three months and the Ministry Organization has demonstrated that the program can be effectively carried on without assistance from Military Units provided that transport is made available. Trucks now on hand are inadequate but additional vehicles are to be made available. Bitumen supplies for the Ministry of Public Works are now arriving from U.S. and initial distribution on a compartmental basis is proceeding. Additional stocks of bitumen for military routes are being turned over to Ministry Field Offices by Military Units. By the end of September 2249 bridges had been completed throughout Italy.

(2). Housing:

The Re-Housing Program under existing Italian legislative decrees is functioning well in sections that have not damaged very much. In devastated areas these decrees are not effective and corrective measures are now being taken by the Ministry of Public Works.

Measures are now proposed by the Ministry of Public Works to treat the devastated areas as special cases due to the fact that Decrees cannot be implemented successfully in these areas. The creation of a National Housing Commission, composed of outstanding Builders and Architects as well as Ministry Officials is proposed and when formed should provide the strong central direction required.

For the past ten days our Housing Section has been in daily contact with the office of the Ministry of Public Works

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For the past ten days our Housing Section has been in daily contact with the office of the Ministry of Public Works studying a National Housing scheme whereby housing will be placed into two categories (a) Emergency Housing and (b) Long Term Housing. The first category will automatically treat all devastated areas as special cases independent of all existing Italian Legislative Decrees.

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The second category will ~~of course~~ be initiated only when all roofless persons of an area have been re-housed. Of course it must be realized that ~~no~~ however good a housing scheme may be it cannot work unless coal is supplied to brick and cement plants located in or near these devastated areas. Timber also is urgently ~~requested~~ required for ~~roofing~~ roofing and window frames and some transportation must be supplied as well.

(3). Ports:

No new projects for port work were approved during September but the extensive program previously initiated is proceeding in a satisfactory manner. Rehabilitation work is underway at the Ports of Civitavecchia, Genoa, Leghorn, Naples, Savona, Imperia, Ancona and La Seezia. Reconstruction of warehousing facilities presents the greatest problem as many of the structures were completely destroyed. Emergency repairs are in hand on all warehouses where complete reconstruction is not involved but shortage of building materials and excessive cost have deferred the construction of complete buildings.

(4). General:

Reconstruction projects of a vital nature are still being processed and approved in all Operating Regions and will continue to be accepted until the final closing date is announced. Most work of a critical nature has been approved and placed in operation and careful screening is being done by Regional Engineering Officers on the flood of non-essential projects now being presented to them. This type of project is being considered only where the unemployment problem is serious. Extensive Public Works Program are well underway in all Regions with special attention being given to bridges on Military Routes, Housing, Flood control and Bonifiche. The program is proceeding

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(5). Attached are tables reflecting the present status of work projects in Italian Government Territory and in A.M.G. Regions:.

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HEADQUARTERS ARMIES OCCUPATION
APO 304
Public Works and Utilities Sub-Commission

28 October 1945

SECRET - SECURITY INFORMATION

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SUBJECT

PUBLIC WORKS DIVISION

Railways and Ports.

Arrangements completed for Italian government to assume responsibility for military roads on 1st October. Situation as to supplies for Ministry of Public Works now arriving from U.S. and distribution to Compartments is now underway.

Housing.

Housing program under existing decrees still not satisfactory but Ministry of Public Works is taking corrective action in vigorous manner. The creation of a National Housing Commission, composed of outstanding builders and architects as well as advisory officials is proposed and such bodies should provide the strong central direction required.

Ports.

Rehabilitation work proceeding satisfactorily at the ports of Genoa, Leghorn, Civitavecchia, Naples, Savona, Bizerte, La Spezia and Ancona. No new work was approved during the month.

General.

Reconstruction projects are still being processed and approved in all operating regions and will continue until final date of closing is announced. Extensive public works programs are well underway in all regions with special attention being given to bridges on military routes, housing, Flooding Control and Landfills. No major water supply problem remains uncorrected. Crane renewal equipment is now being assembled and distributed on critical highways.

ELECTRICAL DIVISION

Advisory Committees.

The Regional Advisory Committees for Electricity are now operating under acting chairmen who are members of the respective committees.

The Ministry of Public Works is preparing a decree which is to be published fixing the responsibilities, membership and chairmen of the National and Regional Advisory Committees on Electric Power.

Power Allocations.

At the request of the A.C.C. (I) B, the Electric power committee, on which this subdivision is represented, has recommended that a special committee, similar to the present committee, continue in force for the duration of military necessity.

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necessary program under which Decrees still not satisfactory but Ministry of Public Works is taking corrective action in vigorous manner. The creation of a National Housing Commission, composed of outstanding citizens and architects as well as Ministry officials is proposed and when formed should provide the strong central direction required.

Ports.

Rehabilitation work proceeding satisfactorily at the ports of Genoa, Livorno, Civitavecchia, Naples, Savona, Ziesle, La Spezia and Ancona. No new work was approved during the month.

General.

Reconstruction projects are still being processed and approved in all operating regions and will continue until final case of closing is encountered. Extensive public works programs are well underway in all regions with special attention being given to irrigation, drainage, flooding, flooding control and sanitation. No major water supply problem remains uncorrected. Snow removal equipment is now being assembled and distributed on critical highways.

ELECTRIC POWER

Advisory Committees.

The Regional Advisory Committees for Electricity are now operating under acting chairmen who are members of the respective committees.

The Ministry of Public Works is preparing a decree which is to be published which the responsibilities, membership and chairmen of the National and Regional Advisory Committees on Electric Power.

Power Allocations.

At the request of the A.F.H.Q. (G) S, the electric power committee, on which this subcommission is represented, has recommended that a special committee, similar to the present committee, continue in force for the duration of military necessity.

No additional power was allocated for Southern Italy for October. The allocations have remained practically unchanged since July. The electricity supply is still acute in this area.

In Central Italy 16,300 KW of demand on 7.6 million KWH of additional electrical energy was allocated all to the Rome and Florence areas. This power comes from generating plants in those areas and from North Italy.

In North Italy trouble from overloading of transmission lines and transformers in the larger cities continues to be an increasing problem until gas is made able to resume production.

The starting up of some seasonal industries during this winter

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as, aggravate the overall power situation in areas in North Italy. In the past certain industries were only permitted to operate during periods in the summer when the electricity supply was not critical.

Generation and Transmission.

In Southern Italy the fuel oil supply for the thermal plants in Italy for October will be left about the same as for September. There was a slight improvement in the Silla reservoir position as of 1st October 1945 compared with the original forecast made in June 1945.

The transmission line between Central and Southern Italy is now scheduled for completion at mid November. The late generating plant of 8,000 Kw capacity in Southern Italy has restored to operation during the month.

The fourth and last 35,000 Kw unit at Galleto (Turin) is scheduled for completion by mid November. It is planned to transmit part of its output to East Italy over the Turin - Sweden transmission line referred to in the previous paragraph.

Rates.

All requests for rate adjustments for electricity, water, gas etc in North Italy which were formerly handled by this Sub-Commission are now referred to the North Italy Price Fixing Board, Milan, for action.

Rate adjustments in government controlled Italy remain under the jurisdiction of the Interministerial Rates Committee of the Italian Government located in Rome.

Supplies.

Most all questions regarding supplies are now handled by the appropriate ministries of the Italian Government, but a great deal of time is spent in advising the various local public utility companies on proper procedure to be adopted in securing needed items and in assisting the companies in obtaining scarce or critical items of stores needed in electrical rehabilitation work.

Special truck tyres are now available to companies engaged on work of public utility importance but the supply is still short of demand; tyre distribution will be handled by the Italian Government in the future.

Demand for transformer oil exceeds the supply so that it is necessary for this Sub-Commission to continue to screen all requests.

action.

The fourth and last 25,000 kW unit at Castelo (Lotal) is scheduled for completion by 4th November. It is planned to use part of its output to transform from the local - Pescara transmission line referred to in the previous paragraph.

Rotas.

All requests for rate adjustments for electricity, water, and gas in North Italy which were formerly handled by this sub-Commission are now referred to the North Italy Price Fixing Board, Milan, for action.

Rate adjustments in sovereign controlled Italy remain under the jurisdiction of the Inter-Ministerial Price Committee of the Italian Government located in Rome.

Supplies.

Most all matters relating supplies are now handled by the appropriate ministries of the Italian Government, but a great deal of time is spent in advising and guiding the Italian utility companies in proper procedure to be adopted in submitting needed items and in assisting the companies in obtaining scarce and critical items of stores needed in electrical rehabilitation work.

Additional track space has since available to companies engaged on work of public utility importance but the supply is still short of demands; more distribution will be effected by the Italian Government in the future.

Demands for transformer oil exceed the supply so that it is necessary for this Sub-Commission to continue to screen all requests.

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Description of Projects - Tables "A", "B", & "C" ... 5, 6, & 7.

4. Planning and Policies.

Arrangements have been completed for the Italian Ministry of Public Works to assume responsibility for maintenance of military routes on 1st Oct. This is viewed with misgiving for the next three months and the Ministry Organization is unconvinced that the program can be effectively carried on without assistance from military units previously used to support Italian engineers. Figures on manpower and transport additional vehicles are to be made available. Arrangements for the Ministry of Public Works are now complete from Rome, and initial classification of a representative route is proceeding. Additional stores for military routes are being turned over to Ministry field offices by Military Units. By the 1 of September [illegible] will have been completed throughout Italy.

5. Progress.

The road section program under existing Italian legislative decrees is [illegible] in many sections which have not been much damaged. In [illegible] bridges and tunnels are not sufficiently comprehensive and [illegible] are now being taken by the Ministry of Public Works [illegible] Recommendations prepared by the Ministry of Public Works to treat the [illegible] which is a social issue due to the fact that present [illegible] cannot be [illegible] successfully in these areas. The creation of a [illegible] Housing Commission, composed of outstanding builders and architects [illegible] is proposed and when formed should provide [illegible] direction to efforts.

For new [illegible] the Housing section has been in daily contact with the Office of the Minister of Public Works drawing a National Housing [illegible] which, housing will be placed into two categories: (a) Emergency Housing and (b) [illegible] Housing. The first category will automatically [illegible] the construction which is needed because of all existing [illegible] legislative decrees. The second category will, of course, be initiated only when all available persons of an area have been temporarily re-housed. It must be realized that because a housing [illegible] may be, it cannot [illegible] unless such be applied to areas and [illegible] where [illegible] have been [illegible]. Labor also is [illegible] to [illegible] [illegible] and wages [illegible], and some [illegible] that be [illegible]

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3. Ports.

No new projects for port work were approved during September but the extensive program previously initiated is proceeding in a satisfactory manner. Rehabilitation work is underway at the ports of Civitavecchia, Genoa, Leghorn, Naples, Savona, Taranto, Trieste and at Venice. Reconstruction of warehousing facilities presents the greatest problem as most of the structures were completely destroyed. Emergency repairs are in hand on all warehouses and complete reconstruction is not involved but shortage of building materials and excessive costs have deferred the construction of complete buildings.

4. General.

Reconstruction projects of a vital nature are still being processed and approved in all operating regions and will continue to be accepted until the final closing date is announced. Most work of a critical nature has been approved and placed in operation and current screening is being done by Regional Engineering Officers on the flood of non-essential projects now being presented to them. This type of project is being considered only where the unemployment problem is serious. Extensive public works programs are well underway in all regions with special attention being given to bridges on Military Routes, housing, Flood Control and Aerifiche. The program is proceeding efficiently and can be handed over to Italian Control with little confusion or delay. No major water supply problem remains unsolved. In anticipation of the coming winter, snow removal equipment is now being assembled and distributed on critical highways.

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	Initiated during month	COST (Lire)	Completed during month	COST (Lire)	In Progress during month
TABLE "A"		Schemes of Military Priority			
Roads	38	12,132,200	8	1,630,000	146
Bridges	22	180,556,000	6	8,327,000	73
TOTAL	60	302,688,900	31	12,957,000	239
TABLE "B"		Schemes other than of military priority (but for which approval AC/AS was required			
Roads	242	1,103,624,842	49	3,711,500	527
Bridges & Retaining Walls	49	723,524,000	11	2,583,000	371
Public Buildings	778	872,035,076	90	8,964,256	614
Schools	254	70,579,682	10	1,238,136	69
Roads, Gravel & Diversit.	76	63,814,934	10	1,252,228	107
Aqueducts, Sewers	122	160,070,257	91	61,723,311	101
Hydraulic works	3	3,217,500	2	620,000	1
Existing works	21	333,114,850	21	11,243,600	142
Repairs	130	57,520,961	28	11,124,950	26
Sanitary	77	66,506,902	1	2,200,000	94
TOTAL	2,349	3,453,247,705	242	122,354,681	2,696
TABLE "C"		Schemes awarded independently by Italians on site			
Roads	22	35,370,223	16	23,170,300	10
Bridges	119	24,211,261	27	24,243,323	286
Public Buildings	219	6,068,992	16	97,815,519	169
Drain Removal	20	3,922,500	74	96,656,266	171
Water works, Sewers	176	23,295,119	55	28,403,602	272
Hydraulic	5	4,300,000	26	12,220,122	30
Ports	1	190,000	--	--	17
Sanitary	16	1,634,000	--	--	50
TOTAL	508	153,101,995	702	18,155,922	1,537
GRAND TOTAL	2,795	1,490,610,690	518	180,377,380	4,172

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ated month	COST (Lire)	Completed during month	COST (Lire)	In Progress during month	COST (Lire)
		Series of Military Priority			
	12,132,800	8	4,636,000	167	642,288,000
	180,556,000	6	8,321,000	73	36,503,110
	302,688,800	14	12,957,000	232	951,392,110
Other than of military priority (but for which approval AC/AM was required)					
	1,103,024,816	43	62,611,500	157	1,652,282,304
	725,524,000	11	5,585,000	373	95,321,753
	872,083,972	30	8,964,238	611	1,272,163,211
	70,870,683	10	1,236,100	49	26,206,437
	93,811,214	10	2,226,228	17	46,174,720
	460,927,837	91	61,721,351	491	728,230,641
	3,267,500	2	820,000	1	40,000
	355,014,800	26	1,243,832	149	686,213,205
	67,220,946	28	1,121,000	56	37,624,140
	66,802,252	1	2,205,000	94	106,195,457
	3,794,237,705	242	155,344,636	2,696	4,693,387,213
Series B headed Ispettorato by Italians Aug 1943					
	5,379,823	18	23,470,500	38	87,528,141
	24,111,201	37	33,246,323	266	71,573,970
	6,981,392	41	7,357,-9	160	58,1[illegible],872
	3,923,000	74	92,656,881	171	116,177,388
	23,105,179	93	28,243,732	232	72,175,011
	2,300,000	28	46,215,122	32	21,627,323
	190,000	--	--	17	1,270,175
	1,694,005	--	--	50	6,111,[illegible]2
	153,404,985	252	318,033,922	1,[illegible]27	[illegible]77,[illegible]45
	4,950,016,690	530	486,377,288	11,[illegible]6	6,204,105,735

TABLE "A"

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Factories doing by the quarts:						
up to 50,000 litre	11,399	1,470	12,869	376,092	8,667	4,176
from 50,000 to 300,000 litre	7,256	1,092	8,326	821,396	3,653	4,573
from 300,000 to 900,000	2,136	606	2,742	558,116	1,678	1,064
from 900,000 to 1,800,000 litre	770	67	837	415,982	312	65
over 1,800,000 l.	140	23	163	268,615	44	119
TOTAL	21,789	3,218	24,907	2,470,181	14,853	10,054
Factories doing by semi-dried fruits:						
up to 50,000 litre	8,472	95	8,567	157,334	6,936	1,631
from 50,000 to 300,000 litre	2,222	83	2,305	201,429	1,535	770
from 300,000 to 900,000 litre	793	120	913	163,665	356	557
from 900,000 to 1,800,000 litre	379	68	447	210,814	103	344
over 1,800,000 l.	126	13	139	338,617	15	124
TOTAL	11,992	379	12,371	1,183,859	8,945	3,426
GRAND TOTAL	33,881	3,597	37,278	3,654,710	22,998	14,280

COMMITTEE DECISIONS

Previous total	Total this month	New total
349	156	505
126	2	128
-	-	87

420

Acting Committee
Advisory Committee
Decisions not to refer to Committee

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1. Advisory Committees.

The Regional Advisory Committees, comprising Sicily, Sardinia, Southern, Central and Northern Italy are now holding monthly meetings under active chairmen who are members of the respective committees.

The Ministry of Public Works is preparing a decree for publication which will fix the responsibilities, membership and functions of the National and Regional Advisory Committees on Electric Power. When the decree goes into effect the committees will be empowered to initiate, study, develop and correlate long range programs in connection with the electric power industry for the advice and guidance of the Italian Government.

2. Generation and transmission.

(a) Southern Italy

Lowered reservoirs storage of the Silla plants and a restricted supply of fuel oil to the Capodichino generation station combined to force the curtailment of electricity produced in Southern Italy during the month. However, as the result of more rain, and the restricting of consumption, the Silla reservoirs at the end of September were about 15% higher than foreseen in June 1945.

The peak load on the Southern Italy system has reached as much as 166,000 kW on an available generation of 157,500 kW. This over load on the system results in a corresponding lowering voltage and a drop in frequency from a normal of 45 cycles. When this occurs, it is necessary to disconnect circuits and loads to restore the cycles.

Arrangements were finally made during the month whereby the quantity of oil furnished for the Naples production at Capodichino [illegible]

5 Supplies 11

1. Advisory Committees.

The Regional Advisory Committees, comprising chiefly, Sardinia, Southern, Central and Northern Italy are now holding regular meetings under existing conditions and the members of the respective committees.

The Ministry of Public Works is preparing a decree for publication which will fix the responsibilities, membership and duties of the National and regional Advisory Committees on Electric Power. When the decree does come into effect the committees will be empowered to initiate, study, develop and coordinate long range programs in connection with the electric power industry for the advice and guidance of the Italian Government.

2. Generation and Transmission.

(a) Southern Italy

Lowered reservoirs storage at the Silla plants and a reduced supply of fuel oil to the Cepurano power generating station combined to impose the curtailment of electricity production in Southern Italy during the month. However, as the result of some rain, and the restriction of consumption, the Silla reservoirs at the end of September were about 12% higher than a year in June 1945.

The peak load on the Southern Italy system has reached as much as 186,000 kW as against the allocation of 149,000 kW. This overloads the system's cables in a corresponding lowering voltage and a drop in frequency from a normal of 42 cycles. When this occurs, it is necessary to disconnect circuits and loads to reduce the overload.

Arrangements were finally made during the month whereby the quantity of oil furnished for the Solofra production at Cepurano will be about the same as for September.

Previous to 31st August, the fuel oil for this plant was supplied from military stocks. Since that time it has been furnished from civilian stocks on an allocated basis. The August total allowable was 2,625 tons made up of 416 tons stock on hand as of 1st August plus an allocation of 2,209 tons. The September allowable was 2,209 tons with indications of a possible further reduction due to extreme shortage of oil in the theatre. However, upon representations of this Headquarters, A.F.H.Q. and

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area.
The Resina-Naples 150,000 volt transmission line under repair for several months, is now ready for service. It will connect with the Terni-Resina line scheduled for mid November, and will provide the first means of transferring energy from Central to Southern Italy.
The high voltage line, now being repaired, between Arezzo and Naples, ultimately will supply electricity from Central Italy. The actual date of initial operation depends upon the repair of a 25,000 KVA transformer at Naples, estimated to be ready by the end of December. Any power transmitted over this line from Central Italy will have to be at 50 cycles.
The Isle generating station began operation during this month. This plant is almost entirely new. It uses the water supply of the old Isle plant, entirely destroyed by the Germans. It contains one 5,250 KW unit moved from Latest I and because this unit was built to operate on a head less than the original Isle plant, it was installed along the penstock, in a new building about 100 meters above the old plant site.

(b) Central Italy

Attention during the month continued to be focussed upon transmission and transforming facilities. Work on the Terni Castagno line between Central and Southern Italy is behind schedule due to deficiencies in the early stages of this work. Transportation is now available and an officer of this Sub-Commission has been placed on this project to expedite the work and it is anticipated that the line will be operating by mid November.
28,000 KVA of transformer capacity, capable of supplying 10,000 volt distribution circuits from the 30 and 60,000 volt transmission systems went into service in the Florence-Valdarno system. In addition to the output from local generating plants this area is presently receiving about 60,000 kilowatts from North Italy.
In the Bologna area the 50,000 volt Corticella-Ravenna, and the 15,000 volt Casina-Minerbi transmission lines were placed back in service during the month, easing the power shortage which existed there prior to combat operations last spring.
The fourth and last 25,000 kilowatt unit at Galleto (Terni) still under repair, is expected to be ready for service about middle of November. Because of the increased electricity requirements in Southern Italy, most of the available output of this Galleto unit will probably be utilized there, rather

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rise from 165,000 kilowatts to [illegible] kilowatts, during the week of 20 September.
Corresponding increases are occurring throughout the other areas of North Italy.

3. Power Allocations.

Representatives of this sub-Commission attended the regular monthly meeting of the Electric Power Committee of the A.F.H.Q. (I) B. and supplied information on power availability.

Since the A.F.H.Q. (I) B. has under consideration the discontinuance of its committees and in view of the critical electricity supply in Central and Southern Italy, the Electric Power Committee recommended that it continue to function in its present capacity, or a similar committee under military control be constituted, representing the military agencies concerned, to allocate electric power in Central and Southern Italy and in conjunction with Headquarters A.C. insure that all military demands for electric power are met.

The life of this new committee would be dependent upon the duration of military necessity.

No additional allocations were allowed for Southern Italy for the rest of October. The slight improvement from hydro plants is and will be needed to supply loads which are being curtailed at the present time. The allocations for October for Southern Italy totalled 155,000 Kw of demand and 60 millions of KWH and have remained practically unchanged through July, August and September of this year.

For Central Italy including Florence-Leghorn area an additional 16,500 Kw of demand and 7.4 million KWH were allowed for October bringing the total allocation for Central Italy to 240,000 Kw and 129.75 million KWH. The increase occurred in the Leghorn and Florence areas which are now obtaining their power largely from Northern Italy and from generating plants within the Florence and Leghorn areas.

For Northern Italy the available capacity at the generating plants and on the transmission systems is adequate to meet the demands, however, trouble is being experienced in the local transmission lines caused by overloading of distribution cables and transformers brought about by using electric power for heating and cooking, a domestic service formerly fulfilled by artificial gas. The restoration of gas service will alleviate the situation when sufficient coal is allocated to the gas plants to permit resumption of operations. Gas supply on a limited basis is expected to come not about 1st November.

It is expected that the electricity supply situation in North Italy will be further aggravated in the winter, certain industries are reactivated which, in the past, have operated during the periods when electricity was in good supply.

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4. Rates.

All requests for rate adjustments for electricity, water and gas in North Italy, which were formerly handled by this Sub-Commission, are now referred to the North Italy Price Fixing Board, Milan, for action.

Requests for rate adjustments in Government controlled Italy are now handled entirely by the Interministerial Price Committee of the Italian Government located in Rome.

The functions of this Sub-Commission in this respect will be advisory only to the Ministry and these committees.

5. Supplies.

The supply officer of the Sub-Commission continues to screen all requests for the smaller oil, due to the demands exceeding the available supplies.

As far as the electrical rehabilitation work is concerned the supplies officer continues to give help and guidance to the public utility companies on the correct procedure to be adopted in obtaining scarce and critical items of stores required in the rehabilitation work. As most of the functions in connection with supplies are now handled by the appropriate Ministry of the Italian Government.

The distribution of tyres is to be taken over by the Italian Government and although the supply is short of the demands some additional tyres have been available during the month to those categories engaged on important public utility work.

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REGIONAL REPORTS

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Reports submitted by the Regional Engineers are briefly summarized in the following pages :-

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The number, cost, and status of all projects in the several regions are included in the Summary Tables on pages: 5, 6, & 7.

LIGURIA - (Regional Engineer: Lieut-Colonel F. S. L. 442, R.E.)

General.

It is of interest to note that since the division was reorganised at the end of July 1945 nearly four thousand public works projects have been assessed, checked and approved.

A large number of projects have been initiated for the relief of unemployment, particularly in those areas where no means of transport exists to convey workers from their homes. The schemes that have been put in hand for the most part consist of those providing the maximum amount of manual labour, but steps have been taken to include projects that will also give employment to local tradesmen and craftsmen.

Although over hundred and thirty projects for debris removal were approved during the month, the general work of this section is definitely in the second place.

Public Works.

Roads and Bridges

The work in this section has progressed very favourably; almost all the damage on State roads has been put in order and a considerable number of the projects are well advanced.

The work on reinstating of the main roads through the larger towns is progressing and considerable progress has been made at Savona and in Spezia.

The city of Genoa is now under a large programme of road work for

Lombardia 15

Venezia 15

The number, cost, and status of all projects in the several regions are included in the Summary Tables on pages: 5, 6, & 7.

LIGURIA - (Regional Engineer: Lieut-Colonel P. S. A. Ellis, R.E.)

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The work in this section has progressed very favourably, almost all the damage on state roads has been put in hand and a considerable number of the projects are well advanced.

The work on resurfacing of the main roads through the larger towns is progressing and considerable progress has been made at Savona and La Spezia.

The city of Genoa is commencing a large programme of road work for the relief of unemployment, and this in conjunction with the projects for the repair and rehabilitation of public services will provide useful work for a large number of men.

Ports

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Work of repairs to ports has continued with steady progress and all work authorised up to the end of August is now under way.

During September projects previously approved have now been commenced

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The work in connection with the [illegible] housing scheme [illegible] has progressed satisfactorily and contracts are now at work in all provinces of the [illegible] conditions that are required in the region. 100 are now completed and operating, and 60 more already applied for rents.

The number of projects for which funds have been requested is over six thousand and nearly twelve thousand additional schools have been initiated and will be finished to advance as work progresses.

It may therefore be said that nearly 18,000 projects are in hand at an approximate cost of 1,300 million lire.

Electricity

Negotiations regarding arrangements for the supply and transport of [illegible] from Stilvio Cervinia to the French have been continued, and the matter is [illegible] in the hands of higher authority.

Civil Works

Resulting from our application for credit for the above works in the region a small allocation has been received for the existing requests.

PUBLIC WORKS - (Provincial Engineer: Col. G. B. BENNETT, C.B.)

General

The high level of activity reached by the Public Works and Utilities Division during August was maintained in September. During the month [illegible] were received 352 projects with an estimated value of Lire 1,42,257,[illegible]. Within the Division operations have been kept to closing. All [illegible] are up to date and files are ready for turning over. At the request of the Regional Commissioner the civilian staff has been reduced and equipment not actually required has been turned in.

Public Works

Highways and Bridges

Work on all of the most vital projects is progressing satisfactorily. All State road interruptions are covered by either temporary or permanent reconstruction projects. In some cases there are temporary projects, to serve for this winter, and permanent projects which will be put under way in the spring when weather is favorable. All state roads will be open this winter. Furthermore, snow removal projects have been [illegible] for all state roads and with the exception of Highway [illegible] South of Ortisei, equipment is available.

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Road resurfacing and repair have been restricted in scope by lack of material. Towards the end of the month some 200 tons of bitumen were released from the Caltanissetta dump and are expected in Piemonte shortly.

All major interruptions on provincial and communal roads are in hand and work is progressing. Resurfacing is a different story. Inability to obtain bitumen for these roads makes repairs impossible and the fact that they have been without maintenance for five years or longer aggravates the situation.

Housing

Housing committees have become more active. As of the close of the month there were 109 committees active in Piemonte Region. Only one province, Novara, had failed to start activity. In addition to the active committees there were a number which were in what might be called the formative stage. There were 1,402 projects in hand valued at more than 126 million lire.

Electricity

In Piemonte there were 18 cases of war damage to electric power plants; 11 have been repaired. There were 981 power line breaks; 880 have been repaired. The capacity of the damaged generating plants was 183,000 KW and repairs have restored 162,000. Since two plants generating a total of 9,000 KW were damaged beyond repair, it results that there is only 12,000 KW of generating capacity on which repairs have to be made. This indicates in a general way, the situation at present. The electric generating and distributing system of Piemonte is in extremely satisfactory condition and further repairs and improvements may be left to the civilian management of the companies without hesitation.

Gas

Despite the fact that every effort has been made to present to the proper authorities the gas companies' coal requirements, the situation still is far from satisfactory. An allotment of coal has been received but it is not known whether this is for pre-heating.

Water

The water supply of Piemonte is satisfactory. Bids have been opened, contracts awarded and work started on some of the projects approved in the recent past.

Transport

Transport for the Genio Civile is an important problem. During the month, two scows were released from the Fiat factory for the Genio Civile and six more are have been requested.

Fuel

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Electricity

In Piedmont there were 15 cases of war damage to electric power plants; 11 have been repaired. There were 961 power line breaks; 880 have been repaired. The capacity of the damaged generating plants was 183,000 KW and repairs have restored 162,000. Since two plants generating a total of 9,000 KW were damaged beyond repair, it results that there is only 12,000 KW of generating capacity on which repairs have to be made. This indicates in a general way, the situation at present. The electric generating and distributing system of Piedmont is in extremely satisfactory condition and further repairs and improvements may be left to the civilian management of the companies without mention.

Gas

Despite the fact that every effort has been made to present to the proper authorities the gas companies' coal requirements, the situation still is far from satisfactory. An allotment of coal has been received but it is not known whether this is for pre-heating.

Water

The water supply of Piedmont is satisfactory. Bids have been opened, contracts awarded and work started on some of the projects approved in the recent past.

Transport

Transport for the Genio Civile is an important problem. During the month, two buses were released from the Fiat factory for the Genio Civile and fifteen more have been requested.

Fuel

The control over POL issues was transferred during the month to UNRRA, as anticipated in the last monthly report. Close supervision was maintained, however.

Tires

Tires for snow removal equipment have not been found. The problem has been placed before the PCWZ with the suggestion that be continue efforts to obtain this equipment before heavy snowfalls occur.

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MILANO - (Regional Engineer: Col. C. F. HOLT, R.E.)

General

The large volume of projects presented for approval was maintained during the greater part of the month. At present, approval of projects is being limited to those for works which are really urgent and cannot await submission to Italian Ministry of Public Works.

There has been an improvement in the work of Housing Committees for Milan City and an evidence of a definite approach to the housing problem some 250 private houses are in course of repair. Work to Case Popolari, approved by A.C., continues well.

Public Works

There has been a general improvement in the placing of contracts and the physical initiation of works approved.

Electricity

The electric power situation for Lombardia Region is favourable except in the City of Milano.

The electric distribution system in Milano is overloaded and there have been many local interruptions of service and failures of transformers and other distribution equipment. The power companies have been unable to obtain transformers and cables to reinforce their distribution systems.

Gas

The pre-heating of the ovens in the Milano Gas Plants has been started. Fuel will be supplied for the pre-heating of several smaller gas plants in the region during the month of October.

VENEZIA - (Regional Engineer: Major W. ANTHONY, R.E.)

General

It is considered that the most urgent and necessary works have now been approved and there should be sufficient work in hand to give the maximum of employment during the next months. The Civil Affairs who have concentrated on the preparation of the numerous projects that have submitted, have been told that they must now concentrate on getting these projects into operation and thus put as many people employed as possible.

During the month, close contact has been kept with the Magistrate alle Acque on all matters of future policy when the final handing over takes place.

Public Works

Several more projects have been approved for clearing up debris

Public Works

There has been a general improvement in the placing of contracts and the physical initiation of works approved.

Electricity

The electric power situation for Lombardia region is favourable except in the City of Milano.

The electric distribution system in Milano is overloaded and there have been many local interruptions of service and failures of transformers and other distribution equipment. The power companies have been unable to obtain transformers and boilers to reinforce their distribution systems.

Gas

The pre-heating of the ovens in the Milano Gas Plants has been started. Fuel will be supplied for the pre-heating of seven Milano gas plants in the region during the month of October.

VENEZIA - (Regional Engineer: Major W. ARTAIT, R.E.)

General

It is considered that the most urgent and necessary works have now been approved and there should be sufficient work in hand to give the maximum of employment during the winter months. The Genio Civile who have concentrated on the preparation of the numerous projects now submitted, have been told that they must now concentrate on getting these projects into operation and thus get as many people employed as possible.

During the month, close contact has been kept with the Magistrato alle Acque on all matters of future policy when the final handing over takes place.

Public Works

Several more projects have been approved for clearing up debris in the badly damaged provincial towns of Verona and Trento. During the month, numerous projects have been approved for repairs to schools. It is hoped that the larger part of these will be ready for the coming term.

Highways

Projects requested by the Army and 13 Corps Area for road-mending and resurfacing are now under way. There was a slight hitch in the work of road-mending due to the Army failing to collect and deliver the necessary material.

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~~ALLIED ALLIED COMMISSION~~
AIO 394
Public Works and Utilities Sub-Commission

22 September 1945.

~~CONTROL PERIOD~~ - AUGUST

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S U M M A R Y

PUBLIC WORKS DIVISION.

Highways and Bridges.

Every effort is being made to effect a complete turnover of military highway maintenance to Italian Agencies on 1 October 1945. Military Units are gradually withdrawing assistance previously rendered to Contractors, particularly in transport and materials. General direction of the program will continue by Officers of this Sub-Commission. Bitumen supplies are still critically short. Accumulative figures reflect that 1982 bridges has been completed in Italy by the end of August.

Highway Machinery and Equipment.

Satisfactory progress was made in transfer of items of machinery and transport from this Sub-Commission to the Ministry of Public Works. Approximately 50 additional trucks were received during the month for use by the Ministry of Public Works. Final arrangements have been made for a complete turnover of operation of all equipment, shops and machinery maintenance facilities to the Italians on 1 October, with representatives of the Sub-Commission to function in an advisory capacity only.

Housing.

Reports from Compartments through Italian channels reflect that progress in rehousing under existing decrees is not entirely satisfactory. Reports from Regions on program in A.M.G. Territory are similar. A housing Engineer Officer has been attached to Sub-Commission Headquarters to work directly with Ministry Officials in an effort to expedite the entire program.

Handover of Territory to Italian Government.

The uncertainty of the date of closing of four operating Regions has caused some confusion in operations but projects are still being approved. Every effort has been made to approve, schedule and finance an adequate works program in each critical area to ensure that all vital reconstruction is initiated and the maximum of employment is provided. Loss of Officer personnel through redeployment has not seriously affected operations.

ELECTRICAL DIVISION.

Advisory Committees.

Each of the five Regional Advisory Committees on Electric Power, Sicily, Sardinia, Southern, Central and Northern Italy is now operating under an acting chairman, who is a committee member designated by that [illegible] Division.

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ELECTRICAL DIVISION.

Advisory Committees.

Each of the five Regional Advisory Committees on Electric Power, Sicily, Sardinia, Southern, Central and Northern Italy is now operating under an acting chairman, who is a committee member designated by the Electrical Division.

In collaboration with the Inspector General of Electricity, Water and Gas of the Ministry of Public Works, Italian Government, it is expected within the next month that the membership of all Advisory Committees, both Regional and National, will be fixed and permanent chairmen appointed.

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Power Allocations.

The regular monthly meeting of the Electric Power Committee A.F.H.Q. (I) S. was attended by representatives of this Sub-Commission.

No additional power was allocated for Southern Italy for the month of September 1945 as the supply still remains critical and unchanged from the previous month. Allocations were 155,000 KW. of demand one 80,000,000 Kwh. of energy. The curtailment of civilian and military usage of power will be required through September and part of October 1945. The contemplated curtailment of fuel supply to the Capuana Steam Plant, which supplies 10% of the power to Southern Italy, will further aggravate the situation. This Sub-Commission is making a study of the power supply for Southern Italy in order to show the results of curtailing the oil supply to Capuana.

For Central Italy all demands put forward were met. Allocations were 209,000 KW of demand and 113,850,000 Kwh of energy. This represents an increase of 13,000 KW of demand and 6,350,000 Kwh over August allocations.

In Northern Italy the power supply remains satisfactory and no allocation of power was considered necessary for the month of August.

Nera Montoro Chemical Works - Central Italy.

On the recommendation of this Sub-Commission an allocation of 15,000 KW was made to the Terni Chemical Works at Nera Montoro, producing badly needed chemicals and fertilizers, since the actual load on the system in Central Italy only totaled 170,000 KW against an allocation of 196,200 KW in August. Operation began early in September.

The plant will be disconnected, wholly or partially as necessary, if the connecting of other loads, already authorized, causes the system to become overloaded.

Transport for Electrical Companies.

The electric companies are still unsuccessful in obtaining transportation from A.M.A.C. sources. The Italian Ministry of Public Works has endeavoured to obtain transport from the Ministry of Transportation. Extensive efforts have resulted so far in five trucks being furnished.

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In Northern Italy the power supply remains satisfactory and no allocation of power was considered necessary for the month of August.

Vera Montoro Chemical Works - Central Italy.

On the recommendation of this Sub-Commission an allocation of 15,000 KW was made to the Terni Chemical Works at Vera Montoro, producing badly needed chemicals and fertilizers, since the actual load on the system in Central Italy only totalled 170,000 KW against an allocation of 196,200 KW in August. Operation began early in September.

The plant will be disconnected, wholly or partially as necessary, if the connecting of other loads, already authorized, causes the system to become overloaded.

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FIELD DISTRIBUTION

ITALY

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1. Highways and Bridges.

Every effort is being made to effect a complete turnover of military highway maintenance to Italian Agencies on October 1st, 1945. This is in accordance with requests received from Military Districts and Peninsular Base Section. These Military Units are gradually withdrawing assistance, principally in transport and materials, which had previously been rendered to Contractors. It is planned to care for the transport problem by careful allocation of the approximately 200 trucks which have been made available to the Ministry of Public Works and by full utilization of A.M.G.O. facilities. General direction of the Military Highway program will be continued by Officers of this Sub-Commission. Bitumen supplies continue to be critically inadequate particularly on roads of civil importance only. Sufficient supplies of bitumen are stored for subsequent months but deliveries cannot be expected before early October. Accumulative figures reflect that 1932 bridges had been completed throughout Italy by the end of August.

2. Highway Machinery and Equipment.

Satisfactory progress was made in transfer of items of machinery and transport from this Sub-Commission to the Ministry of Public Works. Approximately 50 additional trucks were received during the month for use by the Ministry of Public Works and are now being processed for allocation. Some repairs are necessary to all vehicles. Final arrangements have been completed for a complete turnover of operation of all equipment, shops and machinery maintenance facilities on 1 October with representative of this Sub-Commission to function in an advisory capacity only. This Highway Equipment Section of the Sub-Commission has been functioning for approximately 5 months and has now reached the point when it is believed the responsibility can be turned over to Ministry representatives.

3. Housing.

Reports received from Compartments through Italian Channels reflect

4 Handover of territory to Italian Government 4

5 Summaries of Projects - Tables "A", "B", & "C" ..... 5, 6, & 7.

1. Highways and Bridges.

Every effort is being made to effect a complete turnover of military highway maintenance to Italian Agencies on October 1st, 1945. This is in accordance with requests received from Military Districts and Peninsular Base Section. These Military Units are gradually withdrawing assistance, principally in transport and materials, which had previously been rendered to Contractors. It is planned to care for the transport problem by careful allocation of the approximately 200 trucks which have been made available to the Ministry of Public Works and by full utilization of A.M.G. facilities. General direction of the Military Highway program will be continued by Officers of this Sub-Commission. Bitumen supplies continue to be critically inadequate particularly on roads of civil importance only. Sufficient supplies of bitumen are stored for subsequent months but deliveries cannot be expected before early October. Accumulative figures reflect that 1932 bridges had been completed throughout Italy by the end of August.

2. Highway Machinery and Equipment.

Satisfactory progress was made in transfer of items of machinery and transport from this Sub-Commission to the Ministry of Public Works. Approximately 50 additional trucks were received during the month for use by the Ministry of Public Works and are now being proposed for allocation. Some repairs are necessary to all vehicles. Final arrangements have been completed for a complete turnover of operation of all equipment, shops and machinery maintenance facilities on 1 October with representative of this Sub-Commission to function in an advisory capacity only. This Highway Equipment Section of the Sub-Commission has been functioning for approximately 5 months and has now reached the point when it is believed the responsibility can be turned over to Ministry representatives.

3. Housing.

Reports received from Compartments through Italian Channels reflect that progress in rehousing under existing decrees is not entirely satisfactory in some regions. It is believed that stronger direction and coordination at Ministerial level can do much to remedy the situation. A Housing Engineer Officer has now been attached to Sub-Commission Headquarters to work directly with Ministry Officials to assist in initiating adequate corrective measures. Approximately 33,268 projects for repairs have now been initiated throughout Italy, which will rehouse more than 300,000 persons.

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4. Handover of Territory to Italian Government.

The uncertainty of the date of closing the four operating Regions has caused considerable confusion in operation but projects of all types are still being approved. Every effort has been made to approve, schedule and finance an adequate works program in each critical area to ensure that all vital reconstruction is initiated and the maximum of employment is provided. This program is now secured, whith only a few critical projects remaining to be reviewed and approved. Ministry of Public Works officials at Regional and Provincial levels have generally demonstrated the ability to carry-on after immediate direction is removed with the withdrawal of Engineer Officers.

5. Attached are tables showing present status of work projects :-

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PUBLIC WORKS PROJECTS IN AUGUST

	Initiated during month	C O S T (Lire)	Completed during month	C O S T (Lire)	In progress during month
TABLE "A"	Schemes of Military Priority				
Roads	97	362,263,500	7	1,460,000	107
Bridges & Retaining Walls	39	204,428,110	2	17,186,500	52
TOTAL	136	566,691,610	9	18,646,500	159
TABLE "B"	Schemes other than of military priority (but for which approval AC/A.C was req				
Roads	311	710,052,673	56	13,679,665	330
Bridges & retaining Walls	104	133,113,500	18	2,081,000	2 1
Public Buildings, Schools, etc.	135	1,007,100,975	18	4,622,597	37
Debris Rem. & Miscell.	117	117,378,190	9	11,176,497	183
Water Works, Sewers & Flood Control	282	273,270,783	63	39,114,271	402
Housing	26	22, 780, 90	9	3,305,120	26
TOTAL	1,365	2,464,759,661	173	78,290,151	1,793
TABLE "C"	Schemes handled independently by Italian Agencies				
Roads	69	29,360,078	21	20,881,457	193
Bridges & Retaining Walls	6	2,395,200	11	16,403,429	53
Public Buildings, Schools, etc.	223	76,733,455	112	80,110,645	380
Debris Removal	71	32,088,932	12	24,273,324	201
Water Works, Sewers, & Flood Control	166	24,332,017	39	7,612,780	216
Housing	2	1,340,000	19	13,423,202	50
TOTAL	521	195,252,339	244	162,534,837	1,093
GRAND TOTAL	2,022	3,226,683,610	426	260,471,488	3,047

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AUDIT OF PROJECTS IN AUDIT

Initiated during month	C O S T (Lire)	Completed during month	C O S T (Lire)	In progress during month	C O S T (Lire)
Schemes of Military Priority					
27	362,263,500	7	1,460,000	107	419,146,064
39	204,428,110	2	17,186,500	52	151,514,453
136	366,691,610	9	18,646,500	159	370,660,517
Schemes other than of military priority (but for which approval AC/AL was required)					
311	710,[illegible],673	56	15,[illegible],663	330	771,475,282
191	[illegible],145,300	18	5,081,000	281	506,640,350
435	1,007,160,972	18	4,622,297	317	996,274,476
137	117,378,130	9	11,156,497	153	164,102,180
282	213,970,723	63	9,114,274	402	427,800,875
28	12,780,90	9	3,30[illegible],120	36	12,991,300
1,365	2,[illegible]64,759,661	173	78,2[illegible]0,151	1,792	2,934,145,251
Schemes handled independently by Italian Agencies					
63	29,360,[illegible]78	21	20,[illegible]1,437	193	115,131,865
6	2,[illegible]92,[illegible]30	11	16,403,[illegible]29	53	75,281,[illegible]14
223	28,7[illegible],455	112	80,110,845	380	271,943,627
11	52,0[illegible],992	12	24,273,324	201	216,034,[illegible]72
166	24,338,017	30	7,612,780	216	63,4[illegible]0,148
2	1,340,000	19	13,423,202	50	98,[illegible]70,000
1,221	195,242,339	244	162,534,837	1,093	812,[illegible]90,136
3,022	3,[illegible]26,683,610	426	260,[illegible]32,466	3,017	4,367,[illegible]94,924

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PUBLIC WORKS PROJECTS IN HAND BY GOVERNMENT TERRITORY FOR THE MONTH OF AUGUST

TYPE OF PROJECTS	Works initiated during month	C O S T (Lire)	Works completed during month	C O S T (Lire)	Works in progress during month
			SICILIAN TERRITORY		
TABLE "A"					
Roads	21	60,089,200	58	142,496,800	180
Bridges	8	21,003,000	9	17,901,340	76
TOTAL "A"	32	81,092,200	67	160,398,140	256
			CIVILIAN WORKS		
TABLE "B"					
Roads	254	254,834,173	254	160,821,662	869
Bridges	212	124,279,389	179	113,682,472	752
Public Buildings	156	179,255,739	150	68,278,119	655
Schools	67	38,296,911	84	36,038,202	366
Churches & Charitable Inst.	95	52,110,445	89	36,342,633	328
Lebi's removal, etc.	232	150,820,732	207	160,171,566	834
Aqueducts, Sewers	116	93,672,015	91	28,112,819	366
Hydraulic Works	111	76,911,078	66	28,136,800	257
Sanitary Works	44	82,26,148	37	25,434,285	119
Housing Repairs	1,263	130,223,840	141	92,837,765	1,870
Sanitary	16	20,799,342	75	10,937,896	334
TOTAL "B"	2,601	1,696,671,082	1,727	809,999,201	6,730
GRAND TOTAL (A & B)	2,633	1,780,763,282	1,894	970,397,401	6,986

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PUBLIC WORKS PROJECTS IN ITALIAN GOVERNMENT TERRITORY FOR THE MONTH OF AUGUST 1945

Works initiated during month	COST (Lire)	Works completed during month	COST (Lire)	Works in progress during month	COST (Lire)
SCALE OF MILITARY PRIORITY					
21	60,080,200	26	142,406,800	186	695,819,659
8	21,003,000	2	17,901,340	76	215,577,000
32	81,082,200	27	160,398,110	2,6	911,396,659
CIVIL WORKS					
254	254,834,173	254	160,821,662	665	931,262,699
212	324,279,599	179	123,652,472	752	1,219,711,683
156	179,205,719	150	68,278,119	635	594,841,147
67	38,231,911	81	36,685,202	366	291,257,345
95	55,116,114	69	36,252,633	328	320,219,990
252	150,820,732	307	160,176,506	834	382,803,021
116	93,072,015	91	52,112,619	366	288,730,824
111	76,911,075	60	28,426,800	357	732,25,,28
44	82,26,148	37	25,434,85	119	267,168,224
1,263	110,223,840	141	92,837,765	1,870	1,018,724,903
46	20,709,342	75	40,937,898	334	752,73,233
2,601	1,696,671,082	1,747	802,999,261	6,730	6,871,8 1,167
2,633	1,750,763,282	1,834	870,397,401	6,996	7,783,218,126

TABLE "C" SUMMARY OF REPORT OF PROGRESS OF HOUSING [illegible]

Province of: Agrigento - Ancona - Apuania - Arezzo - Ascoli Piceno - Avellino - Bari - Benevento - Brindisi - Cagliari - Caltanissetta - Campobasso - Caserta - Catania - Catanzaro - Chieti - Cosenza - Enna - Firenze - Foggia - Frosinone - Grosseto - L'Aquila - Latina - Lecce - Livorno - Lucca - Macerata - Matera - Messina - Nuoro - Palermo - Perugia - Pesaro - Pescara - Pisa - Pistoia - Potenza - Ragusa - Reggio Calabria - Rieti - Roma - Salerno - Sassari - Siena - Siracusa - Taranto - Teramo - Terni - Trapani - Viterbo - Naples -

THIS REPORT COVERS THE MONTH OF AUGUST 1945

	1 Started before August.	2 Started during August.	3 Total Col. 1 & 2	4 Approx. cost (In thousand lire.)	5 Completed by 31 Aug. 1945.	6 Balance underway 3 less 5
Projects done by the owners:						
up to 50,000 Lire	13,591	1,524	15,115	446,352	9,783	5,332
from 50,000 to 150,000 Lire	9,561	1,782	11,343	1,141,265	5,491	5,852
from 150,000 to 300,000 lire	2,919	974	3,893	858,417	1,434	2,459
from 300,000 to 1,000,000 Lire	850	71	921	490,127	381	540
over 1,000,000 L.	167	24	191	320,448	54	137
TOTAL	27,088	4,375	31,463	3,256,609	17,143	14,320
Projects done by Genio Civile:						
up to 50,000 Lire	8,268	97	8,665	200,435	7,318	1,347
from 50,000 to 150,000 Lire	2,482	138	2,620	234,181	1,675	945
from 150,000 to 300,000 lire	912	112	1,024	209,953	496	528
from 300,000 to 1,000,000 Lire	462	120	582	296,687	169	413
over 1,000,000 L.	143	14	157	402,373	39	118
TOTAL	12,547	501	13,048	1,346,629	9,697	3,351
GRAND TOTAL	39,635	4,876	44,511	4,603,238	26,840	17,671

COMPUTE COMPLETIONS

	Preceding total	Total this month	New total
Working Committees	305	117	622
	108	24	132

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Projects done by the owners:						
up to 50,000 Lire	13,391	1,524	15,115	446,352	9.783	,352
from 50,000 to 150,000 Lire	9,561	1,782	11,343	1,111,265	5.491	5,002
from 150,000 to 300,000 Lire	2,919	974	3,893	858,417	1,434	2,459
from 300,000 to 1,000,000 Lire	850	71	921	490,127	301	540
over 1,000,000 L.	167	24	191	340,448	54	137
TOTAL	27,088	4,375	31,463	3,256,609	17.143	14,320
Projects done by Genio Civile:						
up to 50,000 Lire	8,368	97	8,665	200,455	7.318	1,347
from 50,000 to 150,000 Lire	2,462	158	2,620	234,161	1,675	945
from 150,000 to 300,000 Lire	912	112	1,024	209,953	496	528
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over 1,000,000 L.	143	14	157	402,373	39	116
TOTAL	12,347	501	13,048	1,346,629	9,697	3,351
GRAND TOTAL	39,435	4,876	44,511	4,603,238	26,840	17,671

CUMULATIVE FIGURES

Preceding total	Total this month	New total
505	117	622
108	24	132
		58

Working Committees
Advisory Committees
Communes as yet requiring Committees

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ALLIED TOLL SERVICE

ITALY

OBJECTS

Section		Page
1	Advisory Committees	8
2	Master Control	8
3	Power allocation	9
4	Nera Montoro Chemical Works - Control Study	9
5	Italy Generation and Transmission	10
6	Rates	10
7	Transport for Electric Companies	

1. Advisory Committees.

Consistent with established policy on turning back to the Italians, the Chief of the Electrical Division has relinquished the chair of the advisory Committees on Electric Power for Sicily, Sardinia, Southern, Central and Northern Italy.

The Committees now operate under an acting chairman selected from the members present at the meetings by the Chief of the Electrical Division. It arranges to attend all meetings whenever possible.

By next month it is expected that the leadership and chairmanship of all Regional and also the National Committees will be determined. This is being done in conjunction with the Inspector General on Electric Power, Water and Gas in the Ministry of Public Works.

2. Master Control.

The Central Italy Grid System operated at 50 cycles from the 17th August with very satisfactory results with the exception of the pumping units in the Rontino Marches. The motors tended to overheat not only from increased frequency but also from low voltage which already existed in this area.

The low voltage condition is being rectified by the Utility Company and the manufacturers of the pumps are being called in to advise on the necessary mechanical changes which may have to be made to adapt the pumps to 50 cycle operation.

3. Power Allocation.

5 Italy Generation and Transmission 9

6 Rates 10

7 Transport for Electric Companies 10

1. Advisory Committees.

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The Committees now operate under an acting chairman selected from the members present at the meetings by the Chief of the Electrical Division. He arranges to attend all meetings whenever possible.

By next month it is expected that the membership and chairmanship of all Regional and also the National Committees will be determined. This is being done in conjunction with the Inspector General on Electric Power, Water and Gas in the Ministry of Public Works.

2. Master Control.

The Central Italy Grid System operated at 50 cycles from the 17th August with very satisfactory results with the exception of the pumping units in the Rieti-Marsheo. The motors tended to overheat not only from increased frequency but also from low voltage which already existed in this area.

The low voltage condition is being rectified by the Utility Company and the manufacturers of the pumps are being called in to advise on the necessary mechanical changes which may have to be made to adapt the pumps to 50 cycle operation.

3. Power Allocation.

Representatives of this Sub-Commission attended the regular monthly meeting of the Electric Power Committee of the A.F.H.Q. (I) S. and supplied information on power availability.

The allocation, for September for Southern Italy, remained the same as for August, namely 155,000 Kw of demand and 80,000,000 KWH of energy. The power supply for this area is still critical and will remain so for September and part of October. The situation will only be eased by the advent of the rainy season and the completion of transmission lines now under repair between Central and Southern Italy.

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The contemplated curtailment of fuel supply to the Cepuano Steam Plant, which supplies 10% of the power to Southern Italy will further aggravate the situation.

This Sub-Commission is now making a study of the power supply situation for Southern Italy for the remainder of the year 1945 in order to determine and present the effects of the fuel oil curtailment.

On the 10th of August a meeting was held by representatives of this Sub-Commission, Industry Sub-Commission, Ministry of Public Works, Ministry of Industry, Military District No 3 and Power Company officials to discuss methods of controlling and reducing power consumption by civilians in Southern Italy in order to make energy available for loads of higher priority. The conclusions of this committee were submitted to the Electric Power Committee, A.F.H.Q. (I) B. by District No 3 which was charged with the responsibility of the meeting.

All power demands put forward, for September, for Central Italy, were met and totalled 209,000 KW of demand and 113,450,000 KWh of energy or an increase of 13,000 KW of demand and 6,350,000 KWh of energy over August allocations.

No allocations of power were considered necessary in Northern Italy for the month of September as the power supply remains satisfactory in that area.

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4. Terni Montoro Chemical Works - Central Italy.

A conditional allocation of 15,000 KW was arranged for the Terni Chemical Works at Terni Montoro upon the recommendations of this Sub-Commission. This plant will produce urgently needed chemicals and fertilizers. This load can be served since the actual load on the Central Italy system only totalled 170,000 KW against an allocation of 196,200 KW in August.

If the connection of other loads, already authorized, causes the system to become over loaded the plant will be disconnected wholly or partially as becomes necessary.

This permits the utilization of reserve power on a restricted basis until other generating plants are repaired and increased output from operating plants is realized from stream flow plants as the result of fall rains.

5. Italy Generation and Transmission.

(a) Southern Italy

The power supply for Southern Italy remained unfavorable during August. Continued drought reduced the stream flow plant output to a minimum resulting in the Sila hydro plants and the Cepuano steam plant being called upon to operate at the maximum. The periodic cutting of feeders, effecting both military and essential civilian services, was necessary in order to carry the load.

The Petroleum Section A.F.H.Q. advised that, due to a shortage of P.C.I., it would be necessary to reduce the allocations [illegible] steam plant by 10%. This action

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the responsibility of the meeting.

All power demands put forward, for September, for Central Italy, were met and totalled 209,000 KW of demand and 113,450,000 KWH of energy or an increase of 13,000 KW of demand and 6,350,000 KWh of energy over August allocations.

No allocations of power were considered necessary in Northern Italy for the month of September as the power supply remains satisfactory in that area.

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4. Nera Montoro Chemical Works - Central Italy.

A conditional allocation of 15,000 KW was arranged for the Terni Chemical Works at Nera Montoro upon the recommendations of this Sub-Commission. This plant will produce urgently needed chemicals and fertilizers. This load can be served since the actual load on the Central Italy system only totalled 170,000 KW against an allocation of 196,200 KW in August.

If the connection of other loads, already authorized, causes the system to become over loaded the plant will be disconnected wholly or partially as becomes necessary.

This permits the utilization of reserve power on a restricted basis until other generating plants are repaired and increased output from operating plants is realized from stream flow plants as the result of fall rains.

5. Italy Generation and Transmission.

(a) Southern Italy

The power supply for Southern Italy remained unfavorable during August. Continued drought reduced the stream flow plant output to a minimum resulting in the Sila hydro plants and the Capuana steam plant being called upon to operate at the maximum. The periodic cutting of feeders, effecting both military and essential civilian services, was necessary in order to carry the load.

The Petroleum Section A.F.H.Q. advised that, due to a shortage of F.O.L., it would be necessary to reduce the allocations of fuel oil to the Capuana steam plant by 10%. This action will further aggravate the power supply in the Naples area. The effect of this reduction has been brought to the attention of the Electrical Power Committee of the A.F.L.H. (I) B. with the recommendation that no reduction in the allocation of fuel oil be made.

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(b) Central Italy

On 7th August 1945 a third 35,000 Kw generating unit was put into operation. This is the third machine of the Cellsto hydro plant which has been repaired during a period of about ten months. The capacity of this plant now totals 105,000 Kw. The fourth and last unit of this plant is expected to be restored to operation in the early part of November of this year.
A second 120,000 Volt line connecting Northern Italy with the Florence area of Central Italy was completed during the month. The completion of this line makes a total of 5 high tension transmission lines, interconnecting North Italy with Central Italy, which have been restored since the liberation of the north. Approximately 60,000 Kw of power is being transported to Central Italy from the North over these lines. It is expected to raise this power to approximately 70,000 Kw when additional sub-station transformers are repaired. All of this power, operating at 50 cycles, is supplying the Florence-Pistoia-Leghorn area which was formerly furnished by making more power available in other Central Italy areas.
Work progressed on the repair of the 150,000 Volt transmission line from Central Italy to connect with Southern Italy.

(c) Northern Italy

The power supply situation in North Italy is generally satisfactory, however, the distribution systems in the larger cities are beginning to be overloaded as a result of domestic load requirements. This condition is a result of the lack of artificial gas for cooking and heating and is expected to become more acute when the cold weather sets in and until gas is made available.

6. Rates.

A number of electric and water distributing companies have filed applications for rate increases all of which have been turned over to the Italian Government for consideration and action in line with established policies on price control.

7. Transport for Electric Companies.

The electric companies are still unsuccessful in obtaining transportation from E.R.A.C. sources. The Italian Ministry of Public Works has endeavoured to obtain transport from the Ministry of Transportation. Intensive efforts have resulted so far in five trucks being furnished.

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REGIONAL REPORTS

ITALY

Reports as edited by the Regional Engineers are briefly summarized in the following pages :-

Region	Page
Naples & Campania	11
Rome & Lazio	11
Liguria	13
Lombardia	14
Venezia	15

The number, cost, and status of all projects in the several regions are included in the Summary tables on pages: 5, 6, & 7.

NAPLES CAMPANIE - (Public Works Officer: Lt. Col. H. H. Townsend)

Electricity.

General situation improved. More lights installed in the city of Naples, Vomero and part of Arenella. In spite of troubles to get the oil necessary to run the Capuano Steam Generating Plant, the S.M.E. is trying its best to keep service normal. Recently it has been necessary to reduce the Capuano output while waiting for fuel assignment. This much has caused a reduction of above 30% in the supply of current for lighting purposes, transportation and industries; current shortage affects also military organizations, while railways, tramways and funiculars are unable to cope with the heavy traffic of passengers.

Gas.

The average daily production of gas during this month has been 113,700 cu.m. with a maximum of 11,000 cu.m. per hour on the 4th August.

Transportation.

The situation is getting drastic due to lack of electric power which has reduced tramway and funicular traffic to 70%. Automobile transportation is slightly better but still inadequate.

ROME - (Regional Engineer: Col. C. P. BIRCHETT, U.S.)

Liguria 13

Lombardia 14

Venezia 15

The number, cost, and status of all projects in the several regions are included in the Summary tables on pages: 5, 6, & 7.

NAPLES COMPLEX - (Public Works Officer: Lt. C. H. Townsend)

Electricity.

General situation improved. More lights installed in the city of Naples, Vomero and part of Arenella. In spite of troubles to get the oil necessary to run the Capuana Steam Generating Plant, the A.M.G. is trying its best to keep service normal. Recently it has been necessary to reduce the Capuana output while waiting for fuel assignment. This much has caused a reduction of above 30% in the supply of current for lighting purposes, transportation and industries; current shortage affects also military organizations, while railways, tramways and funiculars are unable to cope with the heavy traffic of passengers.

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Transportation.

The situation is getting drastic due to lack of electric power which has reduced tramway and funicular traffic to 70%. Automobile transportation is slightly better but still inadequate.

PESCARA - (Regional Engineer: Col. C. H. BENNETT, C.E.)

Public Works and Utilities.

Activities of the Public Works and Utilities Section reached a peak during the month of August. The Italian authorities were given a deadline for the submission of projects and as the deadline approached the projects flooded in. Originally the deadline was based on closure of this region, September 1st. The deadline now stands at September 15.

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Housing.

We can still say that housing progress is far from satisfactory. Many communes have been visited and the decree explained. But it seems that the reasons set forth in the last months report still hold. Shortage of materials and the fact that the sindaco's of the various communes are not aggressive enough to force the various yards to give up the material.

Highways.

On State roads, projects have been received and the majority of them approved on all but seventeen interruptions. Only one of these interruptions is a major one and projects are forthcoming. Repairs to the surfaces of routes 10, 11, 35, 35 bis, Monestiron, 25, 26, and 30 are in progress. On these routes which are not of AFHQ priority all materials are furnished by either the contractor or extreme (road tar) from CMLMOA is being used.

Provided the months of September and October do not bring unfavorable weather the network of roads will be safe for the following winter. Many bridges will not be permanently rebuilt, but there will be few interruptions on major provincial and state roads.

Water supply.

It was stated in the previous report that temporary water supply difficulties which occurred during, and in consequence of, the prolonged drought, especially in Turin, had virtually come to an end, largely on account of the change in the weather. The situation has since improved still further, to the extent that for several days past it has not been necessary to draw water from the Millefonti springs, which are the local reserve supply of Turin and are used only when it is necessary to supplement the yield on the city's external aqueducts. Except in the event of failure of one of the aqueducts or pumping stations outside the city, the Millefonti springs will probably not have to be brought into use again until next summer.

Transport.

Release was obtained for 4 new vehicles from Fiat for the Genio Civile, Lombardia Region. Application was made for vehicles for Genio Civile Venezia.

The Section during the month under review obtained from the Captured Enemy Vehicle Pool for Fifth Army, 13 trucks for use of the Genio Civile and Line of Communication Group. There were in addition two trucks and two passenger cars obtained during the closing days of July. These transactions have been handled in strict compliance with the regulations governing disposal of enemy material.

Electricity.

Practically all of the electric plants, lines and sub-stations in Piemonte that were damaged have been repaired or are being finished. They are all expected to be in operation by the end of September.

Gas.

routes 10, 11, 33, 33 bis, Autostrada, 25, 26, and 30 are in progress. On those routes which are not of AMG priority all materials are furnished by either the contractor or civilians (road tar) from CLNAI is being used.

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Electricity.

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Gas.

The small ovens of the Turin Gas Works are operating and will begin to furnish gas to Fiat and Philips on Sep 3rd, through the high pressure line. They have been alloted 2,000 Tons of coal for this purpose for September. Part of this is here and the balance is expected by the time it is ~~gone~~ used. This 2,000 tons of coal will be consumed during September.

700 Tons of coke is required to warm up the large ovens of the Turin Gas Works - 570 Tons of this has been received. The remaining 130 tons is expected soon. With the small ovens producing gas for Fiat and Philips they are also producing 30 tons of coke per day. So they are assured of getting the 700 tons of coke to warm up the large ovens.

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The other gas plants in Piemonte Region require 242 tons of coke to warm their ovens. Only 15 days is required to warm these, because they are small.

To furnish gas to Turin for domestic users 3 hours per day, and other industrial users will require 6,600 tons of coal per month. To this must be added the 2,000 Tons required for Fiat, or a grand total of 8,700 Tons per month will be required, beginning Oct. 1st.

3,000 Tons of coal will be required per month to furnish gas to the other towns and cities of Piemonte. It is recommended that sufficient coal be allotted to Turin before any is sent to other places, because Turin is where the most essential industries are located. Also it is less difficult to get fuel for domestic use in the smaller places than it is in the large city of Turin.

LIGURIA - (Regional Engineer: Lieut-Col. F. S. L. LEE, R.E.)

Public Works and Utilities.

The work of this Division has been very heavy during the month under report, over 1,000 projects have been checked and approved, including 523 projects for the provinces of Apuania and Lucca prior to closing on August 4, 1945.

In general other public works in the Region are reaching the second phase of rehabilitation, and projects now being dealt with include repairs to schools, public buildings, "case popolari" and other state or municipal undertakings. There has also been a big increase in A.F.H.Q. projects.

As a result of rainfall the supply of drinking water now equals demands and the special Water Control Committee is no longer required. Several projects for aqueduct repairs are in hand and the position is being watched.

With the completion of the removal of debris projects it has been possible to put in hand a considerable number of works for the repair of sewers and water lines both in provincial capitals and the smaller towns.

Owing to the short time available the approval of road and bridge projects has been dealt with on a relative priority basis. Works on Military routes are well in hand and other state roads and the more important provincial roads have also been started.

Ports.

Minesweeping has been continued only at the port of Genoa where a further section was declared free a week ago.

Since then there have been 8 liberty berths available and average tonnage per day handled has been in the region of 11,000 tons.

GENOA

At the request of the Minister of Public Works the Genoa Port engineers are submitting projects to be approved of a further 100,000,000 Lire Up to date 125,000,000 has been set under way mostly in units of up to 5,000,000 Lire and much of the work is already completed.

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With the approval of the additional 100,000,000 there should be enough work to ensure the ability of the port to handle as much cargo as is likely to be required in the next few years.

La SPEZIA

Good progress on clearing and levelling quays and railway has been made and 3 further projects of some size have been proposed and when approved can easily be carried out so long as the cement is forthcoming.

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Electricity.

CENTRE PLANT

Temporary repairs have begun to shelter equipment from weather. These temporary repairs will be completed about 10 September 194_. Permanent repairs are to be made at a later date when communications are better and needed materials more readily available. Plant is operating.

[illegible] 50,000 K. GENOA SOUTH PLANT

The following program for rehabilitation of this plant is being carried out :-

(1) Repair of damages to the frame of building so as to shelter machinery exposed to weather.

(2) Repair air-raid damage to electric equipment, switches, etc.

(3) Re-install hidden machinery and accessories.

(4) Checking and preparation for service of the other parts of the plant.

Plant should be ready for operation some time in December.

REPAIRS TO [illegible] IN A STEEL ZONE

Damage to electric installations in this zone was extensive. Several of the Sub-Stations and transmission lines have been reactivated. There is still much to be done and work is continuing but again progress is slow due to lack of materials and transport.

VERTICAL ZONE

6 Klm. of high tension transmission lines and 12 Klm. of low tension transmission lines have been repaired. Five transformer cabins reactivated. There are still both high and low tension lines to be repaired.

[illegible] - (Regional Engineer: Col. C. F. [illegible], R.A.)

Public Works and Utilities.

In anticipation of approaching transfer of the Region to control of Italian Government and the advent of a more rigid procedure, the volume of projects presented for approval has risen enormously. This together with the fact that, for reasons given in last report, estimates previously submitted were very low, has produced a crop of supplementary requests for finance. These are being examined as rapidly as possible and passed to Finance Division with a request for early release of funds.

The Housing Committee for Milan City has still produced no concrete results. The Naval Officer for Milan City has expressed the opinion that, as constituted at present, it never will produce results, and has recommended

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Plant should be ready for operation some time in December.

RELATIVE TO A.M.G. DEALINGS IN L. SPECIAL ZONE

Damage to electric installations in this zone was extensive. Several of the Sub-Stations and transmission lines have been reactivated. There is still much to be done and work is continuing but again progress is slow due to lack of materials and transport.

VENTIMIGLIA ZONE

8 Klm. of high tension transmission lines and 12 Klm. of low tension transmission lines have been repaired. Five transformer cabins reactivated. There are still both high and low tension lines to be repaired.

IMPERIA - (Regional Engineer: Col. C. F. BOLTON, F.R.E.)

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The Housing Committee for Milan city has still produced no concrete results. The P.W. Officer for Milan City has expressed the opinion that, as consituted at present, it never will produce results, and has recommended dissolution of existing committee and formation of a new one. This is considered rather a desperate counsel at the present stage and the matter has been referred to the Regional Commissioner, recommending renewed pressure on the Committee through the Prefect. In the meantime, this Division is handling all projects for repair of State-Provincial or Communal owned housing.

Military Highways.

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No. 2 District has now taken over completely military administration within the Regions and the C. E. has issued a revised list of A.F.H.Q. and District Priority Roads as follows :-

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Route 35 Milan/Pavia/Casteggio.

Route 10 Piacenza/ Alessandria/Turin.

Route 11 (Autostrada) Turin/Milan/Brescia.

Route 11 Brescia to List. Sqy (ALV/F.3856).

Other Highways.

Good progress is unattainable as bitumen is still not available for these roads. Temporary patching is in hand where possible.

Electricity and Gas.

The electricity power situation is favorable. The recent rains have almost filled the storage reservoirs of the hydro-electric plants. The power load is increasing but is still below normal.

The power companies are hoping that the gas plants in the Region will be put into operation before the beginning of cold weather, as yet, no fuel has been allocated to the gas plants and, unless fuel is provided immediately gas service will not be supplied before the beginning of cold weather and as a result the addition of electric heating and cooking devices will seriously overload the electric distribution systems.

This office has submitted a report on the fuel requirements for the operation of the gas plants in Lombardia in 19 Communes of 25,000 or more population. If the gas plants are to be in operation before the beginning of cold weather it is absolutely necessary that coke be supplied immediately for reheating the ovens.

VENEZIA - (Regional Engineer; Major W. KITCAT, R.E.)

Public Works and Utilities.

This month has been an extremely busy one for P. W. & U. Division, due to the Genio Civile having made every endeavour to get as many projects submitted as possible before the closing down of the Region in September. During the past two month the Genio Civile, Provincial and Communal Engineers have been able to survey and assess the war damage in their respective zones and get all the data required for making their estimates. The total of projects presented for the month of August is 730. Every effort has been made by the Division to make effective the wishes of the Italian Ministry of Public Works, that as many projects as possible be approved and financed before the end of the month.

This Division has fully appreciated the reason behind this request by the Ministry of Public Works, and the fact that the whole economic structure in this Region may depend on the provision of sufficient work to absorb the unemployed in the coming winter months, during what may be a difficult period after the Italian Government has taken over control of the Northern Territory. Projects have therefore been considered and approved up to the latest possible day, and arrangements made with the Regional Finance Division, in order that all last minute approvals will be financed. The Officers of this Division will be sent to each Provincial H.Q. during the

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Aqueducts.

One project for repairing the Aqueduct of Mestre was put in hand in order to augment the inadequate supply, and provide sufficient water for the Military in the area.

Two projects for supplying industrial and drinking water to the Port of Marghera in order to rehabilitate this industrial area have been submitted to Rome for approval, together with a project for repairs to the main pumping station at Mestre.

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Electricity.

The electrical position remains very satisfactory the power load being still about 7% above normal owing to non-operation of gas works due to lack of fuel.

A project to repair the Gas works at Bolzano was submitted to Rome for approval.

There is every hope that coal will be made available in the near future to reactivate the gas plant at Vetro Coke, Largnano, in order to produce glass which is vitally necessary for Public Buildings and houses and also to supply Venice and Mestre with gas.

VENEZIA GIULIA.

Electricity and Gas.

Repairs to the intake works at P.L.V.A and to the main transmission lines continue.

There has been no shortage of supply but the turn-over from gas to electricity for cooking is imposing a heavy strain on low tension distribution systems.

The bright spot of the month has been the possibility of providing TRIESTE with a limited gas supply during the winter months. As a result of discussions with the Chief Commerce Officer of this H.Q. and Lt-Col. Johns of A.F.H.Q. there is a real prospect of sufficient coal being allocated to give a daily gas service of about 4 hours, sufficient to take care of domestic cooking and relieve the electrical over load. The gas works and mains are in good condition. Setting up the retorts will take two months and in order to save time the Chief Commerce Officer has released sufficient coal for this purpose from current stocks in anticipation of approval of allocation for gas manufacture.

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1. Highways and Bridges.

Every effort is being made to effect a complete turnover of military highway maintenance to Italian Agencies on October 1,1945. This is in accordance with requests received from Military Districts and Peninsular Base Section. These Military Units are gradually withdrawing assistance, principally in transport and materials; which had previuously been rendered to Contractors. It is planned to care for the transport problem by careful allocation of the approximately 200 trucks which have been made available to the Ministry of Public Works and by full utilization of U.N.R.R.A. facilities. General direction of the Military Highway program will be continued by Officers of this Sub-Commission. Bitumen supplies continue to be critically inadequate particularly on roads of civil importance only. Sufficient supplies of bitumen are stated for subsequent months but deliveries cannot be expected before early in October. Accumulative figures reflect that 1932 bridges had been completed throughout Italy by the end of August.

2. Highway Machinery and Equipment.

Satisfactory progress was made in transfer of items of machinery and transport from this Sub-Commission to the Ministry of Public Works. Approximately 50 additional trucks were received during the month for use by the Ministry of Public Works and are now being proposed for allocation. Some repairs are necessary to all vehicles. Final arrangements have been completed for a complete turnover of operation of all equipment, shops and machinery maintenance facilities to 1 October with representative of this Sub-Commission to function in an advisory capacity only. This Highway Equipment Section of the Sub-Commission has been functioning for approximately 5 months and has now reached the point when it is believed the responsibility can be turned over to Ministry representatives. Below is shown certain of the activities and accomplishments of this Section:

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(a). Received and distributed, to indicated points of need, approximately 3600 tons of higway and construction equipment.

(b). Trained operational and maintenance personnel for the Italian Government.

(c). Warehoused approximately 2½ million dollars worth of American and Italian mechanical parts for distribution as required for all of Italy.

(d). Rebuilt and distributed 186 Br.and Am. trucks to reconstruction work.

(e). Received and distributed to contractors approximately 2200 tons of construction materials, italian and german construction machinery from MMIA surplus ~~equipment~~ confiscated stores. This machinery was rebuilt in P.W. & U. shops as well as equipment of U.S.V.S., and contractors out of service for repairs.

(f). Distributed 2000 trucks tires directly to Genio Civile and Contractor Agencies, to projects of military and civilian importance.

(g). Maintained mechanical shops and material warehouses in Naples, Rome and Florence.

(h). Maintained contact with agencies using American equipment for advisory and technical assistance.

(i). Supervised the use of twenty-two rock crusher installations operated by Italian Agencies but supplying materials to military organizations.

(j). Studied conditions with respect to the placement of equipment in regions most heavily disturbed by destruction and unemployment.

(k). Edited and published pamphlets and manuals of translated american books of instruction and technical matters in construction.

3. Housing :

Reports received from Compartments through Italian Channels reflect that progress in rehousing under existing decrees is not entirely satisfactory. Reports from operating Regions bear out this information and it is obvious that the program must be stimulated in some manner. It is believed that stronger direction and coordination at Ministerial level can do much to remedy the situation. A Housing Engineer Officer has now been attached to Sub-Commission Headquarters to work directly with Ministry Officials to assist in devising adequate corrective measures . Approximately 53,268 projects for repairs have now been initiated throughout Italy, which will rehouse approximately 300,000 persons.

4. Hand over of Territory to Italian Government.

The uncertainly of the date of closing the four operating Regions has caused considerable confusion in operation but projects of all types are still being approved. Every effort has been made to approve, schedule and finance an adequate works program in each critical area to ensure that all vital reconstruction is initiated and the maximum of unemployment is provided. This program is now assured, which only a few critical projects remaining to the reviewed and approved. Ministry of Public Works officials at Regional and Provincial levels have generally demonstrated the ability to carry-on after immediate direction is removed, with the withdrawal of Engineer Officers.

5. Attached are tables showing present status of ware projects.

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

19 August 1945.

MONTHLY REPORT - JULY

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SUMMARY

PUBLIC WORKS DIVISION.

Ports.

During the month additional projects were approved for rehabilitation work at the Ports of Genoa, Savona, La Spezia, Ajaccio, Viareggio and Ancona. Activities are hampered somewhat by mine clearance operations but in general, progress is satisfactory.

Transport.

An allocation of 158 "war weary" cargo trucks was received, of which 63 have been collected. These vehicles are being repaired as rapidly as spare parts can be obtained. Fifth Army allocated an additional 60 trucks and 6 passenger vehicles to Regions for use on Military highways and many of these also require overhauling before becoming available for regular operations.

Highways and Bridges.

Work on military highways is progressing satisfactorily as fairly adequate bitumen supplies are being made available by Army Units, but on civil roads bitumen is critically short which prohibits proper maintenance and repairs. Bridge reconstruction is very satisfactory with 50 having been completed during July. A total of 1,761 bridges in Italy have been completed to date.

Handover of Territory to Italian Government.

All Public Works activities in Emilia Region and in Lucca and Apuania Provinces of Liguria Region were handed over to Italian Agencies in an orderly manner. Approx. 250 projects costing a total of over 1,000 million lire were approved in Emilia during the last part of the month and financing has been arranged. It is anticipated that all Public Works Officers can be withdrawn by 20 August 1945.

Highways Equipment.

Additional items of road machinery were requisitioned including 300 dump trucks in an effort to place the Ministry of Public Works in a position to assume total responsibility for military highways maintenance by the end of September.

ELECTRICAL DIVISION.

Italian Advisory Committees.

Two new important committees were formed and met during July ; one

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ELECTRICAL DIVISION.

Italian Advisory Committees.

Two new important committees were formed and met during July; one comprising representatives of Electrical Industry for Northern Italy and the other composed of representatives of the Sardinia, Sicily, Southern Italy, Central Italy and Northern Italy Advisory Committees. This body is known as the National Advisory Committee on Electric Power for Italy. It will advise the Italian Government.

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Power allocations.

Additional power in the amount of [illegible],000 KW was allocated to Central Italy for the month of August 194[illegible].

No additional allocations were allowed for August 194[illegible].

The power situation in Northern Italy remained satisfactory and no rationing was been necessary.

Water Control.

On Sunday July 22 the Central Italy Grid System operated at 50 cycles on a trial basis. No difficulties were encountered during the Sunday trial period.

Italy Generation and Transmission.

No material change took place during the month with respect to the total available generating capacity in Central Italy.

A 120,000 Volt line between Northern and Central Italy was restored to operation during the month.

The already precarious situation in Southern Italy was made more serious by the outage of two generators at Bila totaling 45,000 KW. Repairs are being effected.

In North Italy the absence of fuel resulted in additional demands for electricity for domestic purposes.

Although hampered with scarcity of materials and transportation facilities reconstruction work on the electrical systems in North Italy showed progress.

Materials and Supplies.

During July all demands for materials for reconstruction in Central and Southern Italy were met, with the exception of steel plates and sections. It is hoped to clear up all outstanding demands during August.

A number of tyres were made available to Public Utilities Companies from Military sources, during July, this has eased the transportation problem of the Utility Companies.

Transportation for Electric Companies.

Intensive efforts were made by Electric Companies to obtain heavy truck transport for electric transmission line rehabilitation work through established Italian Government Agencies. Up to the end of July they were unsuccessful.

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No material change took place during the month with respect to the total available generating capacity in Central Italy.

A 120,000 Volt line between Northern and Central Italy was restored to operation during the month.

The already precarious situation in Southern Italy was made more serious by the outage of two generators at Aida totaling 45,000 kW. Repairs are being effected.

In North Italy the absence of fuel resulted in additional demands for electricity for domestic purposes.

Although hampered with scarcity of materials and transportation facilities reconstruction work on the electrical systems in North Italy showed progress.

Materials and Supplies.

During July all demands for materials for reconstruction in Central and Southern Italy were met, with the exception of steel plates and sections. It is hoped to clear up all outstanding demands during August.

A number of tyres were made available to Public Utilities Companies from Military sources, during July, this has eased the transportation problem of the Utility Companies.

Transportation for Electric Companies.

Intensive efforts were made by Electric Companies to obtain heavy truck transport for electric transmission line rehabilitation work through established Italian Government Agencies. Up to the end of July they were unsuccessful.

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PUBLIC WORKS DIVISION

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1. Ports.

During July projects were approved and work initiated for rehabilitation programs at the ports of Genoa, Savona, La Spezia, Apuania, Viareggio and Ancona. Works had previously been approved at certain of these ports, but with the initiation of these new schemes the programs are greatly enlarged in scope. Mine clearance is proceeding under Naval direction, which retards certain of the activities but, in general, progress is very satisfactory. All port projects are being operated under the direction of an experienced Ports and Harbor Officer of this Sub-Commission.

2. Transport.

After special representation to 5th Army on the shortage of transport, 60 trucks and 8 passenger vehicles were allocated to Regions for use in maintenance of military highways. These captured enemy vehicles are now being collected and repaired. Many will require major repairs before they will be available for regular operations but some assistance in overhauling is being received from Army Units.

An allocation of 138 "War weary" trucks was received from the Transportation Sub-Commission for the Ministry of Public Works of which 63 have been collected. Collection is continuing as rapidly as the vehicles become available. The trucks are not as a rule in condition but general overhauling and repairs are proceeding at the Genio Civile Depot at Rome as rapidly as necessary spare parts can be obtained.

Requisitions have been approved for 470 additional trucks which it is believed will be filled from Theatre stocks in the near future.

3. Highways and Bridges.

The very extensive program of repairs to Military Highways is progressing satisfactorily as fairly adequate supplies of bitumen are being made available from military sources, but on roads of civil importance only the supply of bitumen is critically inadequate. This shortage prohibits proper maintenance with the result that thousands of kilometers of road progressively grow worse. Bitumen is on requisition for import and deliveries

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Bridges reconstruction activities increased in magnitude during the month with the approval of numerous large projects in North Italy. All essential structures are being expedited in every way possible so as to complete foundation work before seasonal floods begin. No serious difficulties are being encountered in securing materials in A.M.G. territory but certain projects are being delayed in Italian Government territory due to shortage of cement.

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This has been discussed with the Ministry of Public Works and corrective action has been initiated.

By the end of July 1,761 bridges had been reconstructed in all of Italy, with 30 having been completed in July.

4. Hand-over of Territory to Italian Government.

At the end of the month all Public Works activities in Emilia Region and in Lucca and Apuania Provinces of Liguria Region were handed over to Italian agencies. As a result of well coordinated advance planning and project scheduling on the part of Regional Public Works Officers and Italian Engineers the hand-over was completed in a very orderly manner and with all critical work financed. Emilia Region projects costing a total of over 1,000 million Lire were approved by this Headquarters during the last part of the month and financing has been arranged. It is anticipated that all Public Works Officers can be withdrawn from this territory by 20 August 1945. Necessary liaison will be made by Officers attached to this Headquarters.

5. Highway Equipment.

A requisition was prepared and submitted to A.F.H.Q. for additional items of road machinery including 300 dump trucks. This equipment is required to supplement items now available in order to place the Ministry of Public Works in position to assume total responsibility for military highway maintenance by the end of September. This is in accordance with the request of military representatives. Items of equipment now on hand have largely been transferred to the Ministry of Public Works and distributed to the various Compartimenta. A school for operators and maintenance men is being conducted at the Central Depot in Rome and is proving very effective.

6. The following tables show under main classifications the present aggregate volume of Public Works throughout Italy :-

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PUBLIC WORKS PROJECTS IN ITALY (cont'd)

	Initiated during month	COST (Lire)	Completed during month	COST (Lire)	In progress during mo
TABLE "A"			Schemes of Military priority		
Roads	37	142,153,434	20	20,460,550	6
Bridges & retaining walls	20	48,708,846	2	6,202,000	27
TOTAL	57	191,062,280	22	26,662,550	31
TABLE "B"		Schemes other than of Military Priority (but for which approval AC/AFO was re			
Roads	265	163,831,430	33	27,189,300	326
Bridges & retaining walls	327	588,137,866	33	44,312,742	367
Public Buildings.					
Schools, etc.	122	298,286,362	31	17,301,262	247
Debris Removal & Misc.	232	285,212,776	9	5,052,000	144
Water Works, Sewers &					
Flood Control	306	344,824,607	55	26,507,040	367
Housing	37	40,104,000	13	2,886,720	35
TOTAL	1,331	1,776,781,861	176	124,218,054	1,186
TABLE "C"		Schemes handled independently by Italian agency			
Roads	35	8,570,972	6	44,000	54
Bridges & retaining Walls	33	1,530,000	--	--	6
Public buildings,					
Schools, etc.	306	15,068,570	6	724,000	47
Debris Removal & Misc.	7	1,206,440	--	--	7
Water Works, Sewers,					
& Flood Control	369	61,461,616	21	3,013,462	115
Housing	--	--	--	--	--
TOTAL	750	99,865,598	32	1,081,462	258
GRAND TOTAL	1,978	2,058,322,697	230	155,072,066	1,635

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PUBLIC WORKS PROJECTS AS OF JULY (...C.)

Initiated during month	COST (Lire)	Completed during month	COST (Lire)	In progress during month	COST (Lire)
Schemes of military priority					
31	142,653,436	20	20,160,550	61	164,205,483
20	10,108,647	2	6,282,000	27	98,362,326
57	191,062,280	22	26,742,550	91	262,571,879
Schemes other than of military priority (but for which approval A/AG was required)					
263	103,831,430	33	27,125,300	326	220,057,117
337	568,137,866	33	41,315,742	367	390,243,692
122	288,281,182	32	17,301,282	247	276,199,022
215	283,210,776	2	3,052,000	144	143,602,720
306	382,826,697	55	26,507,000	367	401,334,300
36	48,104,000	13	2,866,750	35	27,173,665
1,321	1,776,381,661	176	121,210,074	1,166	1,469,941,171
Schemes handled independently by Italian agency					
22	8,570,296	6	44,000	54	8,490,230
33	4,536,000	--	--	5	4,320,000
106	13,068,570	6	724,600	47	6,416,600
7	1,206,440	--	--	7	1,206,440
389	61,461,616	21	3,013,468	115	13,197,506
--	--	--	--	--	--
310	90,863,526	32	4,081,462	258	33,211,576
1,975	2,458,322,697	230	155,072,086	1,824	1,777,057,196

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PUBLIC WORKS PROJECTS BY TYPES AND CLASS OF TERRITORY FOR THE MONTH OF JUNE

TYPE OF PROJECTS	Work initiated during month	COST (Rs)	Work completed	COST (Rs)	Man in project during mon
TABLE "A"		SERIES OF DIFFERENT TYPES			
Roads	79	164,917,830	85	190,207,332	152
Bridges	2	7,200,000	8	13,173,340	65
TOTAL "A"	81	172,117,830	93	204,786,672	217
TABLE "B"		CIVIL CUM			
Roads	210	206,868,752	190	132,183,685	700
Bridges	111	525,006,283	120	72,5 ,752	524
Public buildings	169	14,634,,00	121	31,746,773	504
Schools	49	3,2 ,,85	40	15,481,282	467
Churches & Charitable Inst.	64	27,458,684	73	24,271,250	295
Public Removal, etc.	172	24,2 9,232	24	33,77 ,630	410
Agriculture, Horse	25	2,26,855	41	1,271,729	238
Hydraulic works	48	46,72 ,235	58	47,958,530	145
Sanitary works	28	33,20,192	30	1,6 ,903	102
Housing repairs	332	368,63,612	458	72, 2,616	1,577
Miscellaneous	65	67,07,191	67	12,21 ,113	221
TOTAL "B"	1,328	1,6 3,22,230	1,402	384,17,036	1,778
GRAND TOTAL (A & B)	1,409	1,8 7,10,060	1,495	788,03,708	5,025

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Work initiated during month	C C & F (Live)	Work completed	C C & F (Live)	W.I.P. in progress during month	C C & F (Live)
STATE OF MISSISSIPPI					
79	184,917,620	85	190,907,332	186	625,711,606
2	7,260,000	8	13,879,340	65	171,160,300
81	192,177,620	93	204,786,672	251	796,871,906
LOUISIANA					
219	258,866,752	150	132,383,683	700	670,711,691
144	385,006,283	138	72,617,737	504	710,367,043
16	114,654,208	125	51,746,773	504	477,003,563
69	13,414,145	40	15,268,282	267	229,936,582
61	27,668,684	73	24,371,450	390	230,208,196
272	94,090,190	124	23,713,610	510	284,260,604
22	22,626,283	61	15,271,719	298	237,315,065
48	26,794,935	57	17,979,358	445	345,733,632
32	33,280,692	30	11,600,001	104	392,069,199
352	368,063,618	138	72,512,816	1,217	935,715,711
85	57,598,151	67	12,561,413	221	573,108,611
1,488	1,655,319,630	1,402	581,127,036	5,778	4,883,875,417
1,569	1,847,497,250	1,495	785,034,368	6,029	5,680,591,028

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SUMMARY OF REPORT OF PROGRESS OF HOUSING SCHEME — ANNEX "C"

Provinces of: Agrigento, Ancona, Aosta, Avellino, Bari, Benevento, Cagliari, Caltanissetta, Campobasso, Catania, Catanzaro, Chieti, Cosenza, Enna, Foggia, Frosinone, L'Aquila, Latina, Lecce, Livorno, Matera, Messina, Napoli, Nuoro, Palermo, Pescara, Pistoia, Potenza, Ragusa, Reggio Calabria, Rieti, Roma, Salerno, Sassari, Siracusa, Taranto, Teramo, Terni, Trapani, Viterbo. -

THIS FORM COVERS THE MONTH OF JUNE 1945.

	1 Started before June.	2 Started during June	3 Total Col. 1 & 2	4 Approx. cost in thousand Lire.	5 Completed by 30 June 1945.	6 Balance underway 3 less 5
Projects done by the owners:						
up to 50,000 Lire	9,426	1,072	10,498	306,852	7,142	3,356
From 50,000 to 150,000 Lire	5,560	1,098	6,658	684,853	5,194	3,164
From 150,000 to 300,000 Lire	1,630	183	1,813	404,838	790	1,023
From 300,000 to 1,000,000 Lire	609	47	656	377,289	167	489
over 1,000,000 L.	120	14	134	229,635	33	101
TOTAL	17,345	2,414	19,759	2,003,615	13,346	8,113
Projects done by Gente Civile:						
up to 50,000 Lire	7,867	409	8,436	194,271	5,934	2,502
From 50,000 to 150,000 Lire	2,050	148	2,198	192,000	1,041	1,157
From 150,000 to 300,000 Lire	673	85	758	156,333	259	499
From 300,000 to 1,000,000 Lire	309	65	374	202,039	64	310
over 1,000,000 L.	100	24	124	312,468	4	120
TOTAL	11,099	731	11,830	1,057,125	7,302	4,528
GRAND TOTAL	28,444	3,205	31,649	3,060,740	18,668	12,981

COMMUNAL COMMITTEES

Preceding total	Total this month	New total
327	12	339
106	-	106
115	-	115

Working Committees
Advisory Committees
Communes as yet requiring Committees

from 50,000 to 150,000 Litre	5,519	1,098	6,658	684,859	3,194	3,464
From 150,000 to 300,000 Litre	1,630	183	1,813	404,538	790	1,063
from 300,000 to 1,000,000 Litre	409	47	456	177,289	187	469
over 1,000,000 L.	120	24	134	229,633	53	101
TOTAL	17,340	2,411	19,759	2,085,615	11,314	5,413
Projects Done by Basic Divisor						
up to 50,000 Litre	7,967	469	8,436	194,272	3,[illegible]34	4,502
from 50,000 to 150,000 Litre	2,050	148	2,198	144,000	1,042	1,157
from 150,000 to 300,000 Litre	673	83	756	150,353	459	499
from 300,000 to 1,000,000 Litre	309	65	374	202,029	84	290
over 1,000,000 L.	100	24	124	349,468	4	120
TOTAL	11,099	791	11,890	1,057,125	7,322	4,568
GRAND TOTAL	28,444	3,205	31,649	3,042,740	18,666	12,981

Working Committees
Advisory Committees
Communes as yet requiring Committees

OFFICIAL COMMITTEES

Preceeding total	Total this month	New total
327	22	349
106	-	106
115	-	115

455 613

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SECRET/[illegible] DIVISION

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1. Italian Advisory Committees.

The Advisory Committee on Electric Power - Northern Italy was formed and the first meeting held on 19 July 45 in Milan with the Chief of the Electrical Division acting as chairman. This is the fifth and last Regional Committee on Electric Power to be formed - others formed and now operating are: Sicily, Sardinia, Southern Italy and Central Italy. These Regional Committees meet once each month.

The National Advisory Committee on Electric Power for Italy was formed and the first meeting held on 27 July 45 at the Ministry of Public Works building in Rome with Engineer Visentini, Inspector General Electric Power, Gas and Water, as Chairman. Membership of the National Committee includes selected representatives of the first Regional Committees and other Engineers qualified to advise the Italian Government on matter relative to Electric power. The Inspector General will be the permanent Chairman of the National Committee.

The present schedule for the National Committee meetings will be once each month and after the regional meetings have been held. Later the National Committee will meet at the direction of the chairman.

2. Power allocations.

The regular monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board (Italy) was attended by representatives of this Sub-Commission.

For Southern Italy the situation is more critical than was indicated in last months report, due to further enemy trouble at the Isola power plants as mentioned elsewhere in this report. No increases in allocations were allowed for August. The military reported that they were making feeder line cuts in order to meet the load and recommended that the Italian Government take similar action with respect to civilian loads. It was recommended that a meeting be held by representatives of this Sub-Commission, Industry Sub-Commission, Ministry of Public Works, Ministry of Industry, Military District

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Additional power in the amount of 30,000 KW, was allocated for Central Italy for the month of August upon the recommendation of this Sub-Commission; 30,000 KW of this increase to be permitted when the third Galleto Unit (35,000 KW) was ready for operation the first week in August. This date will be met considering the progress which had been made up to the end of July.

The balance of 4,000 KW will be allowed to go on the lines when the Central Italy Electric Grid is changed from 45 to 50 cycles (about 20 August)

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permitting synchronization with the North Italy 50 cycles supply.

Of the 34,000 KW increase allowed for August 28,000 KW will be for the city of Rome and environs which will make a total of 80,000 KW available for the city and will be between 60 and 70% of power. This meets all essential civilian needs including improved tramway service, operation of elevators, industries requiring power, better street lighting, etc.

3. Master Control.

On Sunday July 22 the Central Italy Grid System operated at 50 cycles on a trial basis. No difficulties were noticed during the Sunday trial period.

4. Italy Generation and Transmission.

(a) Southern Italy.

When two generators at the Tinpagrande plant of the Sila development broke down within a few days of each other, the South Italy electricity situation became serious. To effect a quick reduction in electrical load, many feeders were de-energized. Also, to help improve the power situation the steam plant at the Taranto Navy Yard was started, producing about 2,000 KW, and the output of the Cupuana Plant in Naples was increased to 30,000 KW.

One of the damaged Tinpagrande generators, of 30,000 KW capacity, was re-wired within a few days; the other generator, with a 15,000 KW rating, is expected in service by mid-August.

Work continued on rehabilitating the 60,000 volt line between Lato and Boccarena, and the project is expected to be finished in August. Later repairs will be started on the stretch between Boccarena and Avezino, and this line should be in operation in October. In two generating stations connected by this transmission line, Lato and Avezino, work went on, with the expectation that a machine in each will be ready in August, adding a total of 9,400 KW dependable capacity to the southern system. Because of water shortage, however, the full capacity will not be realized this summer.

Work continued on the 150,000 Volt interconnection between Central and Southern Italy, and if there is an improvement in transportation part of the line in Southern Italy will be ready about 15 September. Present expectations are that the Central Italy part of this interconnection will be ready by the end of September, subject to the same problem of transportation. By 15 October, it is hoped that a 150,000 volt line between Pescara and Naples will be completed, permitting the Naples area to receive an additional 20,000 Kilowatts.

(b) Central Italy.

Generating capacity remained about static during the month. A 3,400 Kilowatts generator started at Monte Piano, southeast of Rome. A unit at Tivoli, moved from Castelli was taken out of service because of operating difficulties. The electricity situation was greatly eased in Central Italy, however, following the completion of the 120,000 Volt transmission line connecting Florence with North Italy, permitting most of the Florence area to be supplied from the North instead from the Central Italy Grid.

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period.

4. Italy Generation and Transmission.

(a) Southern Italy.

When two generators at the Timpagrande plant of the Silla development broke down within a few days of each other, the South Italy electricity situation became serious. To effect a quick reduction in electrical load, many feeders were de-energized. Also, to help improve the power situation the steam plant at the Taranto Navy Yard was started, producing about 2,000 KW, and the output of the Capuano Plant in Naples was increased to 30,000 KW.

One of the damaged Timpagrande generators, of 30,000 KW capacity, was refitted within a few days; the other generator, with a 15,000 KW rating, is expected in service by mid-August.

Work continued on rehabilitating the 66,000 volt line between Isola and Roccaraso, and the project is expected to be finished in August. Later repairs will be started on the stretch between Roccaraso and Avezzino, and this line should be in operation in October. In the generating stations connected by this transmission line, Isola and Aventino, work went on with the expectation that a machine in each will be ready in August, adding a total of 5,100 KW complete capacity to the southern system. Because of water shortage, however, the full capacity will not be realized this summer.

Work continued on the 130,000 Volt interconnection between Central and Southern Italy, and if there is no improvement in transportation part of the line in Southern Italy will be ready about 15 September. Present expectations are that the Central Italy part of this interconnection will be ready by the end of September, subject to the same problem of transportation. By 15 October, it is hoped that a 130,000 volt line between Rosarno and Naples will be completed, permitting the Naples area to receive an additional 20,000 Kilowatts.

(b) Central Italy.

Generating capacity remained about static during the month. A 3,400 Kilowatts generator started at Monte Piuma, southeast of Rome. A unit at Tivoli, moved from Scalille was taken out of service because of operating difficulties. The electricity situation was greatly eased in Central Italy, however, following the completion of the 120,000 Volt transmission line connecting Florence with North Italy, permitting most of the Florence area to be supplied from the North instead from the Central Italy Grid. Operation of the Grid at 50 cycles instead of 45 is planned for 17 August. Plans call for an increase in system frequency to 47 cycles on 2 August, and a gradual increase to 50 cycles by 17 August in order that any unforeseen difficulties may be corrected. On Sunday 22 July, when the power demand was light, the system was operated at 50 cycles with no ill effects. On Sunday however most of the industrial plants are idle.

An additional 35,000 KW machine will start at Grelle[illegible] August, making still more power available to Central Italy.

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(c) Northern Italy.

Repair work has made many high tension lines available in the Bologna - Ferrara - Portomaggiore area. Work progressed well on the Portomaggiore - Forli line, expected to be completed in August. Repairs in other areas of Northern Italy have progressed; although they could be expedited if more materials and transportation were available. A lack of fuel (gas especially) has caused an increased electrical demand for domestic purposes; already in Summer, the electrical demand in Venice and other cities in North Italy greatly exceeds last year's maximum figure.

5. Materials and Supplies.

During July all demands for available materials for reconstruction in Central and Southern Italy were met, two main items short in supply were steel plates and sections. It is hoped to clear up all outstanding demands during August.

Most all supplies are now handled by the Italian Government, but in many cases, demands from civilian firms require an endorsement to the effect that, material or dommages is essential to the programme for reconstruction, and that the release of the material has the approval of Allied Commission.

A number of tyres were made available to Public Utilities Companies from Military sources during July, this has eased the transportation problem of the Utility Companies.

6. Transportation for Electric Companies.

Intensive efforts were made by the Electric Companies to obtain heavy truck transport for electric transmission line rehabilitation work, through established Italian Government Agencies. Up to the end of July they were unsuccessful but during the first week in August some transport has been made available.

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During July all demands for available materials for reconstruction in Central and Southern Italy were met, two main items short in supply were steel plates and sections. It is hoped to clear up all outstanding demands during August.

Most all supplies are now handled by the Italian Government, but in many cases, demands from civilian firms require an endorsement to the effect that, material so demanded is essential to the programme for reconstruction, and that the release of the material has the approval of Allied Commission.

A number of tyres were made available to Public Utilities Companies from Military sources during July, this has eased the transportation problem of the Utility Companies.

6. Transportation for Electric Companies.

Intensive efforts were made by the Electric Companies to obtain heavy truck transport for electric transmission line rehabilitation work, through established Italian Government Agencies. Up to the end of July they were unsuccessful but during the first week in August some transport has been made available.

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REGIONAL REPORTS

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The number, cost and status of all projects in the several regions are included in the Summary tables on pages: 5, 6, & 7.

EMILIA - (Regional Engineer: Major W. W. WILLIS, O.B.E.)

Public Works & Utilities.

Most of the Provinces have submitted to this Headquarters for approval considerable number of projects concerning repairs to private houses in accordance with the housing decree. The small Communes, especially the ones which are included in the battle field area, have difficulty to meet the remaining problems. The principal reason for this delay are due to lack of money by the owners, mine fields still to be cleared and the lack of transportation.

Plans are being drawn up for the repairs of the heavily damaged buildings of Bologna University, with an estimated cost of 280,000,000 Lire. Projects totally L. 90,000,000 have been approved, to cover the initial phase of this reconstruction work.

Highways and Bridges.

Approximately 3,000 Statonieri workers are presently employed in the part of Region controlled by No 1 District. Figures for the remainder of the Region are not available but a safe estimate would be 1,000. Improvement in critical materials and supplies has brought about considerable activity.

A quantity of road building equipment has been received in the Region and is now being readied for operation. Two complete primary-secondary crushing plants will be ready for production shortly. A limited amount of transport has been received from 5 Army, but not yet turned over to Civil Authorities for operation. In view of the imminent closing of the Region, every effort is being made to get all plants into operation before the [illegible] closing time arrives.

A plan has been developed in cooperation with civilian manufacturer and

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MILLA - (Regional Engineer: Major L. S. HILLS, R.E.)

Public Works & Utilities.

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A plan has been developed in cooperation with civilian manufacturer and UNRRA which will enable them to produce sufficient bitumen substitute from coal-tar available in the Region to take care of at least half the main road mileage. If rail transport can be obtained, a supply of natural asphalt impregnated lime existent deposits which can be ground and used for the remaining half of the Region. Rail transport for the latter and assistance in obtaining pitch release from the various Gas Works in the Region are the only [redacted] to a complete supply of road building material from local resources. This is an extremely important development and one which should be completed before the Region closes.

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Irrigage and Flood Control.

During the month this section has continued the supervision of the 39 Consortia of the Region, the repairs and maintenance taken over during the month of June from Army Units.

Water Supply and Sewerage.

Sewer repairs in the Genio region are well in hand; in some cities like Bologna, Rimini, Forli and Ravenna all the main sections have been completed and up to the present there are no existing health hazards caused by inadequate sewage systems.

Miscellaneous.

U.N.R.R.A. and Genio Civile officials are reacting very satisfactorily and are cooperating to their fullest extent. Close contact is being maintained with the office of the Ispettore Genio Civile in order to make that office fully familiar with our construction records. Special emphasis is being placed on having the financing of all approved projects completed prior to the official closing date of the Region on 1 August.

Transport remains the critical problem throughout the region. 15 trucks and 3 civilian cars were released from 5th Army and will be used by Genio Civile on military road reconstruction work; also some tires were received for Genio Civile officials. To make the initiated construction program successful, considerable more transportation and P.O.L. will be needed.

Electricity.

(a) The month of July has been characterized by the repair of several important transmission lines and the transport of several important generating items. Full advantage is being made of the summer months for the heavy repairs. This work on all systems is now progressing satisfactorily in spite of the many difficulties which had to be overcome.

(b) TRANSMISSION: The Bologna Aqueduct line (15 Km.) has 15,000 volts was energized on 17 July. The Imola-Bologna (30 Km.) 15,000 volt line was energized on 19 July. The Bologna-Portomaggiore 50,000 volt line was energized on 20 July. The Forli-Portomaggiore 50,000 volt line is due for completion on 10 August and should be finished by that time. This line is by far the most important in this area and its completion is most important for feeding the Forli-Cesena area.

(c) GENERATION: One 5,000 kVa alternator at Chiavica Plant has been transported to Genoa for repairs.

(d) SUB-STATION: Plans have been formulated for the rebuilding of the Zaltom Co. sub-stations at Bologna and Ridenza. This work is dependent upon availability of heavy transportation. Work is now completed on the Forli sub-station and transformers and switchgear has been installed. Much work is being done at the Portomaggiore sub-station and this station should be finished by October for temporary service.

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Transport remains the critical problem throughout the region. 15 trucks and 3 civilian cars were released from 5th Army and will be used by Genio Civile on highway road reconstruction work; also some tires were received for Genio Civile officials. To make the initiated construction program successful, considerable more transportation and P.O.L. will be needed.

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LIGURIA - (Regional Engineer: Lieut-Col. P.S.I. IME, A.E.)

Public Works & Utilities.

On July 16, the Minister, accompanied by the Regional Engineer and the two Provincial Commissioners visited the area of the Gothic Line in Apuania and Lucca Provinces.

Works approved in Lucca and Apuania Provinces consisted of a very large number of projects both of the first and second phase. In the case

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of the latter, where the damage in the Gothic Line area is very severe, many further projects for the removal of debris and demolition of dangerous structures were approved and the completion of projects previously approved allowed of the change to certificates etc. to do inspection and projects approved for their repair. Projects for the repair of Public Buildings and Hospitals were also very numerous.

The position regarding drinking water is grave in many parts of Liguria, and particularly in Genoa where a Special Water Control Committee has been formed to deal with the situation. Repairs to water installations in the smaller towns have been commenced, but as the work on the removal of debris had been so greatly delayed it is naturally difficult to make an estimate of the amount of work to be done.

The operation of the Italian Housing Decrees is at last getting under way and as a result of the 1/2 Local Housing Committees required all are already operating. Financing of housing projects under these decrees has already been commenced, and we already have definite knowledge of nearly 3000 projects to a total cost of approximately 200 million lire.

Roads.

Road maintenance during the month has consisted of military projects for FLG and 10 CRE (2 Dist. ist) and a large number of repairs to provincial roads to maintain communications in damaged areas during the winter months.

The Gothic Line area has been badly damaged and also certain military roads of high priority viz. Route 1 which runs right through the region and the Autostrada N of Genoa.

Bridge work on State Highways in this region are in most cases major operations and many have been put in hand during the month.

The bridge projects have been carefully screened to make the best use of available resources. Supplies of cement are likely to increase during the coming month.

Many projects for bridge reconstruction in the Gothic Line area have been approved as it is a matter of great urgency to rebuild at least the piers and abutments prior to the winter rains.

Ports Section.

On July 13, the Italian Minister of Public Works visited the Regional Engineer. He was much concerned with the progress of repairs to Genoa Port, which are greatly handicapped by the large number of mines still in the harbour. It was explained that the removal of sea mines was beyond the control of Public Works and Utilities Sub-Commission and that the Naval Authorities were dealing with the matter as quickly as possible. Meanwhile a large programme of repairs had been put on hand under the Port Construction Officer.

Four liberty berths are now open in the port of Genova and 1 liberty and 3 coaster berths at Savona.

Electricity and Gas.

Electric service in Liguria is excellent. At present the consumption is 120,000 KW, 85,000 KW being generated by the S.I.E.L., net and 35,000 imported from the Edison Groups in Lombardia. There should be no need for rationing of electricity in this region.

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Repairs to the Confine generating plant in the Valle Pogna group have not yet started due to lack of materials and transport. These plant however is operating. Present output 300 KW.

Restoration of electric service in the Ventimiglia and Fourte del Larmi zones is progressing slowly due to lack of materials. 50% of the programme in Ventimiglia zone has been completed. The aqueduct water pumps are in operation and also some of the irrigation pumps. About 50% of the programme in Forte del Larmi has been completed.

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Restoration of electric service in the Bari zone is almost completed. An allocation of 2 tons of cement has been given to O.E.C. to complete the job. A diesel supply is being maintained. Repairs to the bomb damaged intake works at M.L.W. power station are being hurried so as what this plant with its output of 10,000 KW can be put into operation. Strengthening and overhaul of pylons on the main supply lines in anticipation of winter conditions have been commenced.

PIEDMONTE. - (Regional Engineer: Col. C. H. DIRONTE, C.E.)

Public Works & Utilities.

Projects are in hand for all hospitals, schools, public buildings, case popolari, public warehouses where war damage is known to exist.

Highways.

This office was advised during the month that highway No.11 was no longer a MMG priority road. Bids on three bridges in Torino province were opened. For each project there were 23 offers ranging from rebates of 20% to 65% increase. This indicates good competative bidding. Steps have been taken to instruct the Genio Civile to add names of contractors to these lists. Shortage of workers, cost of transport and material are changing from day to day making it difficult for contracts to bid on projects. Where Bailey bridges now exist in the Region contracts have been let for permanent structures.

Housing.

Progress is less satisfactory. This past week every Genio Civile has been contacted and their comments are practically identical. We have also visited communes, talked to the committees and property owners. Some of their comments are :-

(a) It is difficult and in fact impossible to set up the prices as called for in the decree because prices are changing so rapidly.

(b) Materials not controlled by AMG are being held for a raise in price.

(c) Many home owners prefer to do the work themselves.

(d) The political situation is such that there is a general fear of going ahead and the use of authority.

Water.

The present drought has given rise to numerous temporary water supply difficulties, especially in Turin. Although the city is receiving some 300 litres per head per day (more than it has ever before consumed) the excessive use and unconscientious waste of water, induced by the hot weather, have emptied the reservoirs and reduced the pressure in such a manner that residents in the higher parts of the city and in the upper floors of buildings

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Public works & Utilities.

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Fuel.

Fuel requests for P. Pks. & T. were cut to 10% of demands by the Comerce Division. This will be reflected in the actual field work done.

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Electricity & Gas.

The power load is increasing each week. During the week ending 20 July this peak increased from 30,000 Kw to 35,000 KW. 5,000 Kw in one week.

The turning over of the tram lines and short line AK was given the Electrical Section more time for inspection and field work in connection with the tower lines and Companies.

Trouble has been experienced with the stealing of high tension copper electric lines.

Trucks and tires for Electric Companies are still in short order.

Four new trucks and eight small new pick up trucks have been obtained from Fiat for the Power Companies.

A request has been made for fuel for generating the gas plants and for operating on a 3 hour basis and 24 hour basis.

10th July - (Regional Engineer, Col. C. F. COLTON, R.E.)

Public Works & Utilities.

Reasonably good progress is now being made with works of emergency and debris clearance. A.C. has approved a Lire 28,000,000 project for completion of a group of Case Popolari, previously half completed and then suspended. Work is now well in hand on a number of bridges previously delayed by contract difficulties.

A large volume of work has been approved during the month, but progress with actual commencement of work already approved leaves much to be desired. The fundamental reason is the uncertainty of contractors regarding labour and material costs, with the result that they are unwilling to commit themselves to contracts - except on a "cost and profit" basis which is most undesirable.

With regard to Housing in Milan City, to which Regional Commissioner called a conference during the month, representatives of Communal Housing Committee reported that their preliminary work was substantially in hand and that first section of programme for repairs would be completed at an early date. In the meantime, until the work of Committee is well advanced, this Division is continuing some small housing repairs already in progress and is approving projects for Case Popolari and similar institutes.

Military Highways.

Situation is as in June report. Maintenance work still delayed by lack of bitumen and transport, but situation improving.

Other Highways.

Situation as in June report. A good deal of resurfacing work is necessary, but cannot be put in hand, except in urgent cases, until the bitumen needs of military highways have been met.

Electricity & Gas.

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A request was also made for fuel for preheating the gas plants and for operating on a 3 hour basis and 24 hour basis.

Lagos - (Regional Engineer: Col. C. F. Colton, F.A.)

Public Works & Utilities.

Reasonably good progress is now being made with works of demolition and debris clearance. H.E. has approved a £12,000,000 project for completion of a group of Case Populari, previously half completed and then suspended. Work is now well in hand on a number of bridges previously delayed by contract difficulties.

A large volume of work has been approved during the month, but progress with actual commencement of work already approved leaves much to be desired. The fundamental reason is the uncertainty of contractors regarding labour and material costs, with the result that they are unwilling to commit themselves to contracts - except on a "cost and profit" basis which is most undesirable.

With regard to housing in Lagos City, to which Regional Commissioner called a conference during the month, representative of Combined Housing Committee reported that their preliminary work was substantially in hand and that first section of programme for repairs would be completed at an early date. In the meantime, until the work of Committee is well advanced, this Division is continuing some small housing repairs already in progress and is approving projects for Case Populari and similar schemes.

Military Highways.

Situation is as in June report. Maintenance work still delayed by lack of bitumen and transport, but situation improving.

Other Highways.

Situation as in June report. A good deal of re-sealing work is necessary, but cannot be put in hand, except in urgent cases, until the bitumen needs of military highways have been met.

Electricity & Gas.

There is still sufficient electric power to meet the needs in the Region in spite of the drought in this area. Coal has been allocated for industrial plants in the Region for the month of August and we can anticipate an increase in the industrial power load.

The big problem in the gas industry is a supply of fuel. This section again urges that immediate attention be given to the allocation of fuel for the gas plants in the Region.

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VENEZIE - (Regional Engineer: Major A. Arthur, R.E.)

Public Works & Utilities.

Public Works Projects submitted by the Genio Civile have been on the increase, the Genio Civile now having got into the necessary procedure for preparing and submitting projects. The work on those already approved was gone ahead satisfactorily in spite of disputes over the wages question in the early part of the month. The wages have now been increased and it is hoped that there will not be any more further labour trouble.

A number of projects have been approved in order to alleviate the unemployment which in some provinces is fairly high.

A visit was made to HQ 13 Corps for the purpose of liaising with the Chief Engineer. At this meeting the Chief Engineer enumerated the highways which the Army were interested in, it was also requested that a highway bridge over the river Tagliamento on Route 13 be completed, the first part of reconstructing this bridge, which was set in motion by the Army, having been completed. The Chief Engineer is having a reconnaissance made of all the destroyed bridges which the Army may require reconstructed, the information regarding these bridges not yet to hand.

Contact was made with A.D.C. Venezie Giulia in connection with the boundary limits of roads which extend into the two Regions; this was necessary due to Udine Province, which was originally under the Pola Compartimento of Trieste, being transferred to Venezia Compartimento.

The forming of Committees for the housing of the refugees has gone ahead satisfactorily and every help has been given to encourage these Committees to put their plans before the Genio Civile, already a number of houses have been put into repair in a number of the damaged Communes.

The work on inspecting the bridges which have been destroyed on the State roads has been practically completed and instructions have been issued to Capo's Compartimento's for projects to be prepared on those bridges which it is necessary should be reconstructed before the rains come and work out by-passes and temporary structures.

Military Highways and Bridges.

The C.E. stated that certain Bailey bridges would have to be left because of the impossibility of reconstructing new steel bridges, such bridges are at Latisana over the river Tagliamento and river Stella Motta on Route 14.

C.E. No.1 District requested that projects for four bridges on route 47 should be prepared and the bridges reconstructed in order that the Bailey bridges could be removed.

Flood Control - Bonifica and Irrigation.

A lot of work has been put into repairs of the canals necessary for irrigating crops which were in danger of being spoilt by the locusts brought which had and a very bad effect on the agricultural industry throughout Italy. It was considered that every effort should be made to repair these canals which had been damaged by bombing and save the crops. A fair amount of cement was necessary for this purpose and it was fortunate that stocks were found which enabled this work to be carried out.

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Contact was made with A.M.G. Venezia Giulia in connection with the boundary limits of roads which spread into the two Regions; this was necessary due to Udine Province, which was originally under the Corps Compartimento of Trieste, being transferred to Venezia Compartimento.

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The work on inspecting the bridges which have been destroyed on the State roads has been practically completed and instructions have been issued to Corps Compartimento's for projects to be prepared on those bridges which it is necessary should be reconstructed before the rains come and open out by-passes and temporary structures.

Military Highways and Bridges.

The C.E. stated that certain Bailey bridges would have to be left because of the impossibility of reconstructing new steel bridges, such bridges are at Latisana over the river Tagliamento and river Stella both on Route 14.

C.S. No.1 District requested that projects for four bridges on route 47 should be prepared and the bridges reconstructed in order that the Bailey bridges could be removed.

Flood Control - Benifica and Irrigation.

A lot of work has been put into repairs of the canals necessary for irrigating crops which were in danger of being spoilt by the long drought which had had a very bad effect on the agricultural industry throughout Italy. It was considered that every effort should be made to repair these canals which had been damaged by bombing and save the crops. A fair amount of cement was necessary for this purpose and it was fortunate that stocks were found which enabled this work to be carried out.

Electricity.

The repairs to transmission and distribution lines is being continued on a reduced scale.

Rehabilitation of three generating stations is progressing, namely Cesarsacca, Chievo and Piave (Venezia Giulia).

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The consumption of electrical energy is about 7% above the same month of last year. A similar comparison for generation indicates a 6% improvement.

E. J. POWELL,
Colonel, C.E.,
Director.

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

14 July 1945.

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S U M M A R Y

PUBLIC WORKS DIVISION.

Housing.

Communal Housing Committees are becoming increasingly active in Italian Government Territory but progress is less advanced in A.M.G. Territory. Functioning Committees now total 433, with 24,344 housing repair projects having been started and 12,646 completed. The value of work on housing to the end of June amounts to 2,542 million lire.

Ports.

A comprehensive five year rehabilitation program for the port of Genoa was submitted for consideration with a total cost of approximately 950 million lire. Approval was given for the initial urgent work which can be accomplished in 1945 amounting to approximately 95 million lire.

Highways.

A.F.H.Q. road priorities have been established in North Italy and requests have been received from the Military for contracts to be placed as rapidly as possible for reconstruction and maintenance. The policy is for Bailey type bridging to be recovered rapidly therefore schemes for permanent reconstruction at Bailey sites are being given priority.

Inland Waterways

Plans are under way for the rehabilitation of Inland Waterway system in the Po Valley including repairs to locks and removal of obstructions from stream beds. Regional Engineers are working in cooperation with representatives of Ministries of Transport and Public Works in making surveys and establishing priorities of work.

ELECTRICAL DIVISION.

Italian Advisory Committees.

Monthly meetings of the Committees were held during the month. Further reports and discussions were held on the conversion of Central and Southern Italy from 45 cycles to 50 cycles. Central Italy expects to convert the later part of July 1945 and Southern Italy in December 1945. Measures to meet the anticipated shortage of electric power in Southern Italy for the balance of 1945 were discussed.

Power allocations.

Ports.

A comprehensive five year rehabilitation program for the port of Genoa was submitted for consideration with a total cost of approximately 950 million lire. Approval was given for the initial urgent work which can be accomplished in 1945 amounting to approximately 95 million lire.

Highways.

A.F.H.Q. road priorities have been established in North Italy and requests have been received from the Military for contracts to be placed as rapidly as possible for reconstruction and maintenance. The policy is for Bailey type bridging to be recovered rapidly therefore schemes for permanent reconstruction at Bailey sites are being given priority.

Inland Waterways

Plans are under way for the rehabilitation of Inland Waterway system in the Po Valley including repairs to locks and removal of obstructions from stream beds. Regional Engineers are working in cooperation with representatives of Ministries of Transport and Public Works in making surveys and establishing priorities of work.

ELECTRICAL DIVISION.

Italian Advisory Committees.

Monthly meetings of the Committees were held during the month. Further reports and discussions were held on the conversion of Central and Southern Italy from 45 cycles to 50 cycles. Central Italy expects to convert the later part of July 1945 and Southern Italy in December 1945. Measures to meet the anticipated shortage of electric power in southern Italy for the balance of 1945 were discussed.

Power allocations.

A study of the power availability for the balance of the year 1945, for Central and Southern Italy was presented to the Electric Power Committee of the A.F.L.H.(I) S. Curtailment seems imminent in Southern Italy. The matter will also be studied by the Italian Government.

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Interchange of power between Central and Southern Italy.

To help meet the expected power shortage in Southern Italy plans have been set in motion to rehabilitate the high voltage transmission lines between Terni and Pescara and Pescara and Naples. It is expected to transport 20,000 KW of power by this means by October 1945 under high priority.

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Interchange of power between Northern and Central Italy.

During the month of June three 60,000 Volt transmission lines capable of transporting approximately 20,000 KW power from Northern to Central Italy were completed and put into operation. The 120 KV line serving the same purpose and capable of transporting 40,000 KW is expected to be finished in the first week of July.

Power distribution in N.E. Italy.

Negotiations are in progress toward an equitable settlement of the power distribution along the French border.

A.M.G. Venezia Giulia.

The Chief of the Electrical Division was appointed as a member of the Mission to meet with the Jugoslav Mission for the purpose of recommending procedures for industrial and financial relations between the areas under the jurisdiction of the Allies and the Jugoslav Government.

PUBLIC WORKS DIVISION

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Section	SUBJECT	Page
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2	Ports	2
3	Highways	3
4	Inland Water Ways	3
5	General	3
6	Summaries of Projects - Tables "A", "B" & "C".....	4, 5, & 6.

1. Housing.

Reports compiled by the Ministry of Public Works and submitted to this H.Q. reveal that repairs under the provisions of the National Housing Decree are proceeding in a very satisfactory manner in Italian Government Territory. In A.M.G. Territory progress is less advanced partly because of excessive damage along the Gothic Line area. Public Works Officers are engaged in corrective measures insofar as limited personnel will permit, principally by contacts with Italian Officials and interpretation of decree

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2. Ports.

Projects have been approved during the month for rehabilitation activities on the ports of Genoa, Savona and Ancona. The port of Genoa

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presents the greatest problem both financially and operationally owing to its size and mine sweeping operations. During the month a very comprehensive five year program of rehabilitation was submitted to this H.Q. for consideration, amounting to approximately 950 million lire. Approval was given for first phase work or that which can be accomplished during 1945. This phase is estimated to cost approximately 95 million lire. This will serve to reactivate substantial areas of the port as well as to provide urgently needed employment to many hundreds of marine industry workmen.

3. Highways.

Road priorities as established by A.F.H.Q. were published during June for highways in North Italy. Requests have been received by Regional Engineers from Military Districts for contracts to be placed as soon as possible for reconstruction of bridges and road maintenance. Military Districts have also established certain priorities on roads of local importance but the total mileage is not extensive. Highway maintenance in general is being seriously retarded by inadequate supplies of bitumen and shortage of transport but indications are that improvements in the situation can be expected during July. Every effort is being made to reorganize Italian Government and civilian facilities to an extent whereby all military roads can be taken over completely from military units by 1 September. This can be accomplished if bitumen and equipment now on requisition are made available.

4. Inland Waterways.

In cooperation with Transportation Sub-Commission and Ministries of Public Works and Transport, plans are underway for the rehabilitation of inland waterway systems in the PO valley. Fairly comprehensive reports have been received on damage and priorities of work are being established. Projects are in process of preparation covering initial activities but the overall program will be a long term one.

5. General.

(a) Material: The construction material situation is somewhat improved over previous months except for bitumen which seriously affects work on highways of civil significance. Cement allocations are fairly adequate but much difficulty is being experienced insecuring rail transport as required.

(b) Transport: General improvement has been noted in the general situation but dump trucks for material transport are still urgently needed. An allocation of 150 cargo trucks to the Ministry of Public Works has just been received which will remedy the situation in certain areas. Approximately 350 trucks now provided by Military Units on Military Highways are being withdrawn therefore it is imperative that additional transport be made available. Substantial tyre allocations are now being received which have enabled Genio Civile and Contractors to place additional vehicles in operation.

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The following tables show under main classifications the present aggregate volume of Public Works throughout Italian Government Territory and A.M.G. Territory :-

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PUBLIC WORKS. PROJECTS BY ITALIAN GOVERNMENT TERRITORY FOR THE M.C.P. OF JUNE 19

TYPE OF PROJECTS	Works initiated during month	C O S T (Lire)	Works completed during month	C O S T (Lire)	Works in progress during month
TABLE 'A'			SCHEMES OF MILITARY PRIORITY		
Roads	24	33,837,382	22	52,553,135	195
Bridges	5	16,690,850	12	11,296,998	54
TOTAL 'A'	29	56,583,232	34	63,850,133	249
TABLE 'B'			CIVILIAN NEEDS		
Roads	110	100,224,146	74	61,633,245	466
Bridges	82	92,172,273	40	43,796,735	321
Public Buildings	100	85,662,224	120	48,166,013	356
Schools	42	46,860,862	17	4,633,969	178
Churches & Charitable Inst.	76	50,023,495	60	22,140,561	293
Lobria Removal, etc.	146	79,862,613	103	58,490,500	343
Aqueducts, Sewers	42	35,953,726	43	3,155,813	137
Hydraulic Works	8	2,195,943	11	5,124,750	42
Maritime Works	21	62,165,072	25	6,531,642	99
Housing Repairs	297	189,429,662	152	82,415,876	990
Bonifica	60	42,938,730	39	26,040,833	146
TOTAL 'B'	978	787,509,146	654	362,040,637	3,309
GRAND TOTAL (A & B)	1,007	844,032,678	688	425,890,770	3,558

(Data from Libria not available therefore not included).

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PUBLIC WORKS PROJECTS BY MILITARY GOVERNMENT TERRITORY FOR THE MONTH OF JUNE 1945

Works initiated during month	C O S T (Lire)	Works completed during month	C O S T (Lire)	Works in progress during month	C O S T (Lire)
SOURCES OF MILITARY PRIORITY					
24	39,832,382	22	52,553,135	195	538,130,062
5	16,690,850	12	11,296,998	54	148,762,625
29	56,523,232	34	63,850,133	249	686,892,687
CIVILIAN WORKS					
310	109,226,146	71	61,633,945	466	461,940,452
82	92,172,973	40	43,706,735	321	440,820,525
100	85,662,324	120	48,166,013	356	319,308,968
42	46,860,862	17	4,633,269	178	177,440,701
70	50,023,495	60	22,140,561	231	203,132,860
146	79,882,615	109	58,490,500	343	224,239,204
42	35,953,726	13	3,155,813	137	139,294,743
8	2,495,943	11	5,124,750	42	269,828,183
21	62,165,072	25	6,531,642	99	82,462,458
297	189,429,662	152	82,415,876	990	617,213,272
60	42,938,719	39	26,040,833	146	205,258,411
978	767,503,446	654	362,940,637	3,309	3,341,919,784
1,007	644,032,678	688	425,890,770	3,458	3,827,913,471

Table therefore not included).

Annex 'L'

SUMMARY OF REPORT ON PROGRESS OF WORKING RELIEF. -

Province of: Agrigento, Ascoli Piceno, Avellino, Bari, Benevento, Brindisi, Cagliari, Caltanissetta, Campobasso, Catania, Catanzaro, Chieti, Cosenza, Enna, Foggia, Frosinone, L'Aquila, Latina, Lecce, Livorno, Matera, Messina, Napoli, Nuoro, Palermo, Pescara, Pistoia, Potenza, Ragusa, Reggio Calabria, Rieti, Roma, Salerno, Sassari, Siracusa, Taranto, Teramo, Terni, Trapani, Viterbo. -

THIS REPORT COVERS THE MONTH OF May 1945.

	1 Started before May.	2 Started during May.	3 Total Col. 1 & 2	4 Approx.cost in thousand lire.	5 Completed by 30 May 1945.	6 Balance underway 3 less 5
Projects done by the owners:						
up to 30,000 lire	7,602	1,458	9,060	268,656	5,176	3,884
from 30,000 to 150,000 lire	4,368	1,226	5,594	364,541	2,300	3,294
from 150,000 to 300,000 lire	1,360	221	1,581	361,629	633	948
from 300,000 to 1,000,000 lire	506	70	576	340,165	114	462
over 1,000,000 l.	108	16	124	238,378	28	96
TOTAL	13,944	2,991	16,935	1,773,369	8,249	8,686
Projects done by Genio Civile						
up to 30,000 lire	4,780	23	4,803	82,743	3,432	1,371
from 30,000 to 150,000 lire	1,760	81	1,541	114,061	705	836
from 150,000 to 300,000 lire	587	67	654	126,766	211	443
from 300,000 to 1,000,000 lire	251	56	307	170,050	44	263
over 1,000,000 lire	67	37	104	273,141	5	99
TOTAL	7.145	264	7.409	768,761	4,397	3,012
GRAND TOTAL	21,089	3,255	24,344	2,542,130	12,646	11,698

GRAND TOTAL CONTRACTS

Preceding	Total this	New Total

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Projects done by the owners:						
up to 50,000 Lire	7,602	1,458	9,060	208,656	3,176	3,884
from 50,000 to 150,000 Lire	4,368	1,226	5,594	364,541	2,300	3,294
from 150,000 to 300,000 Lire	1,360	221	1,581	361,629	633	948
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TOTAL	13,944	2,991	16,935	1,173,369	8,249	8,686
Projects done by Genio Civile						
up to 50,000 Lire	4,760	43	4,803	82,743	3,432	1,371
from 50,000 to 150,000 Lire	1,780	81	1,541	114,061	795	636
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TOTAL	7,145	284	7,409	768,761	4,387	3,012
GRAND TOTAL	21,089	3,255	24,344	2,542,130	12,636	11,698

COMMUNAL COMMITTEES

	Preceding total	Total this month	New Total
Working Committees	314	13	327
Advisory Committees	83	3	86
Communes as yet requiring Committees	108	1	109

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PUBLIC WORKS PROJECTS IN JULY (A.M.G.)

	Initiated during month	COST (Lire)	Completed during month	COST (Lire)	In progress during mont
TABLE 'A'	Schemes of military priority				
Roads	42	135,060,600	7	1,030,000	60
Bridges & Retaining Walls	19	90,772,000	--	--	31
TOTAL	68	225,832,600	7	5,830,000	91
TABLE 'B'	Schemes other than of Military Priority (but for which approval AC/AAC was re				
Roads	113	106,543,900	39	22,640,200	166
Bridges & Retaining Walls	79	162,923,600	7	1,720,000	179
Rehab & Removal & Misc.	64	60,162,400	29	10,848,100	64
Public Buildings & Schools	83	57,472,904	13	1,220,000	66
Water works, Sewer, Flood	224	250,833,672	37	22,342,700	371
Housing	27	31,293,120	--	--	86
TOTAL	610	699,629,576	125	58,995,000	811
GRAND TOTAL	678	925,462,176	132	64,825,000	902

Total bridges completed to date :- 1,711

Data from Toscana Region not available therefore not included. -

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PUBLIC WORKS PROJECTS IN JUNE (A.R.G.).

Initiated during month	C O S T (Lire)	Completed during month	C O S T (Lire)	In progress during month	C O S T (Lire)
Schemes of military priority					
42	135,060,600	7	5,830,000	60	44,004,700
19	90,772,000	--	--	31	9,291,400
68	225,832,600	7	5,830,000	91	239,296,100
Schemes other than of Military priority (but for which approval AC/AAG was required)					
113	106,043,900	39	22,640,200	166	154,749,100
79	162,325,600	7	1,920,000	139	307,883,300
84	80,162,400	29	10,818,100	61	61,239,400
83	57,472,904	13	1,212,000	68	48,673,000
324	200,833,632	37	22,342,700	271	367,001,652
27	31,293,120	--	--	86	76,163,240
610	697,629,576	125	58,995,000	811	1,015,029,692
678	923,462,176	132	64,825,000	902	1,254,325,792

Total bridges completed to date :- 1,711

t available therefore not included. -

TABLE 42

ELECTRICAL DIVISION

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2	Italian Advisory Committees	7
3	Electricity - North Italy	7
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7	Electrical Reconstruction Team	9
8	Power Allocations	9
9	Utility Rates	9
10	Supplies	9
11	A.M.G. Venezia Giulia	9

1. Master Control Central Italy Grid.

The operation of the power plants and transmission system in Central Italy continues to be satisfactorily controlled from the Master Control Centre in Rome.

2. Italian Advisory Committees.

The usual monthly meetings of the committees were held. The most important item discussed at these meetings was the conversion of electrical service in Central and Southern Italy from the present 45 cycle system to 50 cycles. The conversion is scheduled for the latter part of July 1945 in Central Italy and in Southern Italy during December 1945. Another subject of discussion was the anticipated shortage of electric power in Southern Italy, and the necessary measures to deal with this shortage.

3. Electricity - North Italy.

A study is underway to consider the relationship between the electricity available and required in North Italy during the coming winter. Preliminary

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4	Central Italy Generation and Transmission	8
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6	Interchange of power between Northern, Central and Southern Italy	8
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The usual monthly meetings of the committees were held. The most important item discussed at these meetings was the conversion of electrical service in Central and Southern Italy from the present 45 cycle system to 50 cycles. The conversion is scheduled for the latter part of July 1945 in Central Italy and in Southern Italy during December 1945. Another subject of discussion was the anticipated shortage of electric power in Southern Italy, and the necessary measures to deal with this shortage.

3. Electricity - North Italy.

A study is underway to consider the relationship between the electricity available and required in North Italy during the coming winter. Preliminary estimates, made immediately after liberation, indicated that a large surplus would exist. Thus far, the present study indicated the following points :-

(a). An excess of electricity will exist in the Northeastern part of Italy, at least until 1 January 1946. Lack of coal for building heating and for gas manufacture may cause abnormal loads on electric distribution systems of some localities.

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(b) Inoperable transmission lines in the Adige river valley will prevent any appreciable output from the Adige plants reaching the

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Bologna area in the near future. These lines are out of service because the copper conductor is missing. Possibility of using aluminum is under consideration. Work is continuing on the Fortomaggiore-Forli' 60,000 Volt transmission line expected to be completed in August. As soon as this line is operating repairs will be started on a line which will feed Ravenna.

4. Central Italy Generation and Transmission.

The general condition of generation and transmission facilities in Central Italy has changed but little during the month. The peak load on the Central Italy Grid is about 420,000 KW and on the Leghorn-Florence Grid about 23,000 KW. Castelmadama generating station near Rome has started operation after rehabilitation and now produces about 3,000 KW.

Work is underway to overcome the operating difficulties being experienced with the Mercoate turbine generator unit. This set, located at Acquoria Generating Station, near Tivoli, has been transplanted from another location where hydraulic characteristics were different.

A 20,000 KVA transformer at Terni is out of service because of an insulation failure after having operated only a few days. Similar trouble had been experienced previously.

Several factors caused the supply voltage to be very low at Ancone but in the early part of July, the situation was improved by making switching changes at Terni. These changes were possible because the Florence area was partially fed from the North and consequently now receives a reduced supply from Central Italy. Lack of rain with consequent lowered stream flow has curtailed the output of some small plants.

Approximately 50,000 KW will become available to Central Italy about the last of July when another unit at Calleto begins operation and when the supply from the North may be fully utilized. At about the same time it is contemplated increasing the frequency of the Central Italy zone from 45 to 50 cycles.

5. Southern Italy Generation and Transmission.

Supplying a peak load of more than 150,000 KW the Southern Italy electric power system is presently operating at maximum output. Load reduction by disconnecting feeders is often necessary. One consequence of the heavy loading is that the supply voltage is low. In Naples, as an example, the tension frequently drops to 6,100 volt on a 9,000 volt circuit.

Additional electricity in sizeable amounts cannot be made available to Southern Italy until fall, when a supply will be furnished by means of a transmission line from Central Italy now being repaired and when a 10,000 KW unit at Pescara III is scheduled to operate.

6. Interchange of power between Northern, Central and Southern Italy.

Reconstruction of one 120,000 volt and two 60,000 volt transmission lines linking North and Central Italy was continued and one of the 60,000 volt lines was finished during the month. Completion of this line had the immediate result of feeding a part of the Florence area from the North and

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after rehabilitation and now produces about 3,000 KW.

Work is underway to overcome the operating difficulties being experienced with the Kaplan-type turbine generator unit. This set, located at Aquoria Generating Station, near Tivoli, has been transplanted from another location where hydraulic characteristics were different.

A 20,000 KVA transformer at Terni is out of service because of an insulation failure after having operated only a few days. Similar trouble had been experienced previously.

Several factors caused the supply voltage to be very low at Ancona but in the early part of July, the situation was improved by making switching changes at Terni. These changes were possible because the Florence area was partially fed from the North and consequently now receives a reduced supply from Central Italy. Lack of rain with consequent lowered stream flow has curtailed the output of some small plants.

Approximately 50,000 KW will become available to Central Italy about the last of July when another unit at Galleto begins operation and when the supply from the North may be fully utilized. At about the same time it is contemplated increasing the frequency of the Central Italy zone from 45 to 50 cycles.

5. Southern Italy Generation and Transmission.

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Additional electricity in sizeable amounts cannot be made available to Southern Italy until fall, when a supply will be furnished by means of a transmission line from Central Italy now being repaired and when a 10,000 KW unit at Pescara III is scheduled to operate.

6. Interchange of power between Northern, Central and Southern Italy.

Reconstruction of one 120,000 volt and two 60,000 volt transmission lines linking North and Central Italy was continued and one of the 60,000 volt lines was finished during the month. Completion of this line had the immediate result of feeding a part of the Florence area from the North and relieving the demand on Central Italy by a corresponding amount. Furthermore since the northern supply is at 50 cycles, it causes the Florence water pumps to operate at increased speed, and at a consequent greater capacity.

Work is progressing on 150,000 volt transmission line linking Terni, Pescara and Archi. When complete, the connection will permit the transmission of large blocks of power from Central to Southern Italy. This job is progressing slowly because sufficient transportation is lacking. If searches for additional trucks are immediately successful the line can be completed by the end of September.

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7. Electrical Reconstruction Team.

Under the direction of the Electrical Division, electrical reconstruction teams in Florence and Bologna are continuing to supervise the rehabilitation of damaged electrical facilities in the respective areas. Work in both zones is progressing well.

The Milan office of the Electrical Division is assisting the electrical companies in North Italy in a rehabilitation program and coordinating this work through the regional electrical officers.

8. Power allocations.

Studies were completed of the power availability during the remainder of 1945. The results of these studies were summarized in report form and submitted to the Allied Forces Local Resources Board (Italian).

Additional curtailment in Southern Italy will probably be necessary, and the matter is also being studied by the Ministry of Public Works, (Italian Government.)

9. Utility Rates.

Lombardia Region, acting on request of the Prefect of Milano, suggested an optional rate tariff for cooking service. The electrical companies concerned agreed to the proposal, and on our recommendation approval was given by the Price Group, Economic Section.

10. Supplies.

Many essential items of stores were in short supply during the month of June, particularly steelwork and industrial gases.

No heavy lean gas was available during June because of the changeover of control of the local producing works. The Rome works are now controlled by F.B.S. and as the works are using Military raw materials, civilian firms cannot be supplied. This question has been taken up by the appropriate Sub-Commission.

Cement was in good supply, and all demands were met for Elect. reconstruction

Since the liberation of Northern Italy, many items of stores which were becoming scarce are now available, but the transportation problem again looms up, however, essential material has been shipped from North to Central Italy which has enabled work to be speeded up.

Generally, the progress of electrical reconstruction has been maintained despite difficulty in obtaining certain classes of material.

11. A.M.G. - Venezia Giulia.

The chief of the Electrical Division was appointed a member of the Allied Mission which was organized to meet with a similar mission created by the Jugoslav Government for the purpose of discussing numerous industrial and financial problems in Venezia Giulia.

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10. Supplies.

Many essential items of stores were in short supply during the month of June, particularly steelwork and industrial gases.

No acetylene gas was available during June because of the changeover of control of the local producing works. The Rome works are now controlled by F.A.S. and as the works are using Military raw materials, civilian firms cannot be supplied. This question has been taken up by the appropriate Sub-Commission.

Cement was in good supply, and all demands were met for Elect. reconstruction

Since the liberation of Northern Italy, many items of stores which were becoming scarce are now available, but the transportation problem again looms up, however, essential material has been shipped from North to Central Italy which has enabled work to be speeded up.

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REGIONAL REPORTS

EMILIA

Reports submitted by the Regional Engineers are briefly summarized in the following pages :-

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Liguria	12
Piemonte	12
Lombardia	13
Venezia	14

The number, cost and status of all projects in the several regions are included in the Summary tables on pages: 4, 5, & 6.

EMILIA - (Regional Engineer: Major N. A. HILLIER)

Public Works & Utilities.

General.

Progress on construction and maintenance of roads and bridges was slow and unsatisfactory due to shortage of materials and transport and lack of P.O.L. Other divisions of activity took higher priority for such transport as was available. Weather conditions were ideal for construction of bridges as streams are low and by-passes can be readily provided by small or temporary structures. Later these stream crossings will not be possible. Since the removal of all Bailey has been ordered, the situation for the winter may be serious as some areas may be isolated.

Military Highways.

Chief Engineer District 1 is functioning in Forli, Ravenna, Ferrara and the enclaved part of Bologna province. On all military priority projects in this area, the required controlled materials and transport are being furnished by the various responsible Military Units in quantities sufficient to keep the work going.

The same situation obtained in 5th Army area until 18 June, but since that time, contractors working on Military projects have had to supply their own transportation. The P.O.L. situation makes such operation extremely difficult.

Liguria 12

Piemonte 12

Lombardia 19

Venezia 14

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R&U's - (Regional Engineer: Major W. A. HILLIARD)

Public Works & Utilities.

General.

Progress on construction and maintenance of roads and bridges was slow and unsatisfactory due to shortage of materials and transport and lack of P.O.L. Other divisions of activity took higher priority for such transport as was available. Weather conditions were ideal for construction of bridges as streams are low and by-passes can be readily provided by small or temporary structures. After these stream crossings will not be possible. Since the removal of all Bailey has been ordered, the situation for the winter may be serious as some areas may be isolated.

Military Highways.

Chief Engineer District 1 is functioning in Forli, Ravenna, Ferrara and the assigned part of Bologna province. On all military priority projects in this area, the required controlled materials and transport are being furnished by the various responsible Military Units in quantities sufficient to keep the work going.

The same situation obtained in 5th Army area until 16 June, but since that time, contractors working on Military projects have had to supply their own transportation. The P.O.L. situation makes such operation extremely difficult.

Other Highways and Bridges.

Progress on all works other than military is seriously hampered by lack of transport and critical materials, though supplies of the latter have started to come through. Therefore, any improvement in the transport and POL situation will be reflected in more satisfactory progress on all works.

Transport assistance from the military is both a diminishing and an unknown quantity, and civilian transport is at present inadequate. Therefore, the success of the Road and Bridge restoration program projected by this department, depends in a large measure, upon an allocation of transport equipment and fuel.

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Housing and Public Buildings.

Housing committees are now functioning in every Province of the Region. Communal Committees have been organized and are now in full activity, following instructions given by Genio Civile in every town and also in small Communes. Projects are submitted to the above mentioned committees and resubmitted through the Genio Civile to this office for final approval and financing. Lack of materials is still the main problem. Control of materials has been now turned over to materials section fifteen days ago, and proper channel is now followed to avoid private requests for works not approved or financed by this H.Q.

In CODIGORO (Ferrara Province) special measures are under consideration following the results of the Communal Committee unable to face the rehousing problem. Figures show that the destruction of the town is nearly complete, reaching 95%. Small works only have been initiated for the accomodation of about 300 people against a roofless population of 5,000 persons.

Drainage and flood control.

This section has taken over during this month all repair and maintenance work which was previously carried out by Army units under District 1. This section has also continued the supervision of the 39 consortia of the Region; their conditions have slowly improved.

Water Supply and Sewers.

The water supply in Bologna has been augmented by making available an additional 1,000,000 gallons per day from the Setta - Aqueduct, thus restoring the city water supply to 35,000 cbm/day (9.2 MGD) or about 70% of the prewar normal city water demand. Surveys and reports are being made on all cities in the area with particular reference to Ferrara, Imola, Forli, Rimini and Ravenna. Sewer repairs at Bologna and Rimini are progressing at a pace dependent on the supply of materials and transport. Canale Reno and Savena, principal sewage collectors through Bologna city, have been repaired and are diverting the exposed solid sewage 3 Km. North of the city, thus eliminating the health hazard existing there previously.

Miscellaneous.

Contractors and Engineers in Emilia Region are believed to be capable and competent to handle the program of reconstruction ahead of them, provided transportation and F.O.A.-supplies are made available to them. Material supplies are improving and the volume of construction will increase when transport can be had. Planned programs are such that there should be no unemployment problem in this area.

Electricity.

Supplemental Engineer officers were added to the region to speed up the transmission of power available in the North to areas in short supply. The status of transmission line repairs during the month was as follows:

Line	Voltage	Date completed
Lavino - Ferrara	50 KV	4 June
		10 June

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reaching 95%. Small works only have been initiated for the accommodation of about 300 people against a roofless population of 3,000 persons.

Drainage and flood control.

This section has taken over during this month all repair and maintenance work which was previously carried out by Army units under District I. This section has also continued the supervision of the 39 localities of the region; their conditions have slowly improved.

Water Supply and Sewers.

The water supply in Bologna has been augmented by making available an additional 1,000,000 gallons per day from the Setta Aqueduct, thus restoring the city water supply to 35,000 cbm/day (9.5 MGD) or about 70% of the prewar normal city water demand. Surveys and reports are being made on all cities in the area with particular reference to Ferrara, Imola, Forli, Rimini and Ravenna. Sewer repairs at Bologna and Rimini are progressing at a pace dependent on the supply of materials and transport. Pennale Reno and Savena, principal sewage collectors through Bologna city, have been repaired and are diverting the exposed solid sewage 5 Km. North of the city, thus eliminating the health hazard existing there previously.

Miscellaneous.

Contractors and Engineers in Emilia Region are believed to be capable and competent to handle the program of reconstruction ahead of them, provided transportation and P.O.L.-supplies are made available to them. Material supplies are improving and the volume of construction will increase when transport can be had. Planned programs are such that there should be no unemployment problem in this area.

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The status of transmission line repairs during the month was as follows:

Line	Voltage	Date completed
Rovigo - Ferrara	50 KV	4 June
Ligonchio - Gallicano	60 KV	10 June
Fulvello - Portomaggiore	(120) KV	21 June
Portomaggiore - Forli	50 KV	98% complete
Ferrara - Portomaggiore	50 KV	50% complete

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The situation in the Romagnola area (Ravenna, Forli, Ferrara) is now in hand with the aid of military units in repairing the 50 KV line from FORLI to PORTOMAGGIORE. Work is progressing normally on this line. Wire for the electrical systems in Bologna and surrounding area has begun to arrive from the redrawing plant near Brescia. A priority schedule has been established and it is hoped that this system will allow the most urgent jobs to be completed first.

LIGURIA - (Port Construction Engineer; Major C.F.B. COLLISON, R.E.)

Public Works & Utilities.

General.

During June all the Ports have been opened to a greater or lesser extent. Mines are still prevalent at Genoa and La Spezia but Savona has been more successfully cleared and coal ships are entering now. Ships are also entering Genoa in certain specified areas.

Inspection Tours.

Visits have been made to Turin, Savona, La Spezia and Rome during the month and also a short inspection of Sestri, S. Margherita and Portofino with Eng. Salvarezza.

La SPEZIA.

During the month a direct channel has been swept from the outer mole to the Arsenal Navale. This allows small craft to move in and out of the Italian Naval Section. About 2,200 men are being employed in the Naval Arsenal clearing debris and rebuilding some workshops. A project for some repair work at the Mercantile Port has been received and will be approved in due course.

PIEMONTE - (Regional Engineer; Col. C. F. BIFFORTT, C.B.)

Public Works and Utilities.

General.

Lack of transport has hampered the work of officers and Italian staff. However the location of Todt yards and depots is being studied by the Italian engineers and the housing program is being worked on by Italian engineer staff. Italian road engineers attached to this office are doing an excellent job. Efforts are being made for the Prefect to requisition cars for the use of this staff.

Highways.

It was decided that the privately owned Autostrade would be maintained by the State and all projects could be channeled through the Ingegnere Capo of Viabilita'. This was concurred in by Lombardia Region. The region was promised 811 tons of bitumen for military highways and some German trucks by 5th Army. To date 20 tons of bitumen have been received and distributed

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PIEDMONT - (Regional Engineer: Col. C. R. BIRCHETT, C.B.E.)

Public Works and Utilities.

General.

Lack of transport has hampered the work of officers and Italian staff. However the location of four yards and depots is being studied by the Italian engineers and the housing program is being worked on by Italian engineer staff. Italian road engineers attached to this office are doing an excellent job. Efforts are being made for the Prefect to requisition cars for the use of this staff.

Highways.

It was decided that the privately owned Autostrada would be maintained by the State and all projects could be channeled through the Ingegnere Capo of Viabilita'. This was concurred in by Lombardia Region. The region was promised 611 tons of bitumen for military highways and some German trucks by 5th Army. To date 20 tons of bitumen have been received and no trucks.

Public Services.

The trams in the cities are all operating. Lack of special steel for tyre repair is being felt. The equipment is old due to bombing of car sheds, and destruction of rolling stock. The bus services are in operation on a limited scale due to lack of vehicles gas and tires.

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Efforts are being made to locate all Todt yards as it was found that the yards were not being reported to us. One was located with a pontoon bridge ready for installation. These pontoons are now being used as a ferry service. Bitumen is in short supply and is badly needed.

All officers but two now have cars. No extra cars are available for the use of Italian Engineers, therefore the use of Italian Engineers on a large scale directed by A.C.F.M.B. orders is not feasible. Twenty two cars have been obtained from Fiat and released to the Genio Civile. Twelve cars have been obtained and released to the four Companies. The cost of road transport is high and is retarding operations. Clauses are being inserted in contracts to provide for changes in unit costs of wages and transport as it is hoped that trucks will be made available by Army or A.C. for P.W.B. use.

Miscellaneous Works.

A survey of water transport in the area has been made and it was found that the Po was navigable for a short distance for craft of 90 tons burden in the lower reaches.

Electricity.

The electrical consumption has risen from 250,000 KW in May to 270,000 in June and is now approximately 315,000 KW. Further it is expected that the increase will continue until fall when it will rise sharply. When coal is available for industries a sharp increase is expected. Transport for power companies has been an obstacle. One 7 ton truck and 12 ton trailer costs the power company $ 450.00 a day rental and gas. Tires for power company cars and trucks are hard to get.

LOMBARDIA - (Regional Engineer: Col. O. F. BOLICK, F.A.)

Public Works & Utilities.

General.

Milan City remains the key problem, a considerable amount of demolition & clearance of debris still being necessary. The housing situation is difficult as there is considerable overcrowding in the city. The Housing Committee has been formed but to date has produced no tangible results. It has therefore been recommended that an autonomous sub-committee should be formed for each Quartiere, empowered to make a survey and proposed programme for its Quartiere, subject only to policy control by the central committee.

Military Highways.

The only priorities established to date within the Region are :

Route 11.1 (autostrada) Milano - Brescia.

Route 11 Brescia - S. Benedetto.

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Miscellaneous Works.

A survey of water transport in the area has been made and it was found that the Po was navigable for a short distance for craft of 90 tons burden in the lower reaches.

Electricity.

The electrical consumption has risen from 240,000 KW in May to 270,000 in June and is now approximately 310,000 KW. Further it is expected that the increase will continue until fall when it will rise sharply. When coal is available for industries a sharp increase is expected. Transport for power companies has been an obstacle. One 7 ton truck and 12 ton trailer costs the power company $ 250,00 a day rental and gas. Tires for power company cars and trucks are hard to get.

MILANESE - (Regional Engineer: Col. C. F. BOLICK, F.A.)

Public Works & Utilities.

General.

Milan City remains the key problem, a considerable amount of demolition & clearance of debris still being necessary. The housing situation is difficult as there is considerable overcrowding in the city. The Housing Committee has been formed but to date has produced no tangible results. It has therefore been recommended that an autonomous sub-committee should be formed for each Quartiere, empowered to make a survey and proposed programme for its Quartiere, subject only to policy control by the central committee.

Military Highways.

The only priorities established to date within the Region are :

Route 11.1 (autostrada) Milano - Brescia.

Route 11 Brescia - S. Benedetto.

Route 9 Piacenza - Milano.

Route 10 Piacenza - Voghera.

Cantoniere maintenance on these routes has been strengthened but has been hampered by delays in delivery of bitumen from military controlled sources. Representations have been made pointing out that road surfaces are suffering in the meantime and early deliveries of bitumen are now expected. 374
Bridges across the river Po are in hand at 3 points on SS 10 and another

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across river Oglio on SS 11.1 (autostrada).

Housing.

Many projects for urgent works of demolition and clearance of debris are well in hand. A number of housing repair projects initiated prior to liberation, mainly "Case Popolari" in Milan city, are being continued, pending the commencement of new programme to be prepared by Communal Housing Committee.

Gas.

All of the gas plants are shut down due to lack of fuel. During this period of inoperation some of the gas companies are making much needed repairs to their plants. Arrangements should be made if possible to have some coal available to the gas plants by 1 September '45 in order that the furnaces can be preheated and they can start production and distribution of gas by the time cold weather arrives.

Electricity.

The Utilities Section has been occupied in assisting the electric utilities companies in the Region in obtaining gasoline, automobile and bicycle tires and other essential materials.

VENEZIE. (Regional Engineer: Major N. KIRBY, R.E.)

Public Works and Utilities.

General.

In the early part of the month the number of projects submitted and approved were not as numerous as was expected. This was due to the Genio Civile not yet having become familiar with the procedure for preparing and submitting projects and preparing budget estimates, also due to their submitting rates of wages which did not conform to the policy laid down by A.M.G.

Numerous conferences were held with the Magistrato alle Acque and the Inspector Generals, and visits made to the Genio Civile in the Provinces, in order to familiarise them with the procedure, and policy. It is thought that the difficulties have been cleared, and that smoother working will prevail.

The progress in getting committees for "Housing the Roofless" operating has been slow, but they now understand what is required of them and the next month should see better progress. There has been a general outcry over the rate of wages, but the work people have so far been kept quiet as they have been informed that the wage rates are being investigated, and there is likelihood of an early increase. The progress of work already in hand has generally made good headway, and the dangers of flooding from badly damaged embankments has been averted.

There is a good deal of debris clearance to be done, and the progress in this direction has been slow, but pressure has been applied to get more [illegible] and next month should show great improvement.

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Irrigation canals which suffered damage and jeopardised the crops, have been repaired in time to save the crops.

The progress throughout the Region has been quite satisfactory generally, and the Genio Civile with one or two exceptions have shown every willingness to get under way. Owing to stocks of cement now being exhausted, Public works projects will be held up as non production is due to the lack of coal.

Electricity.

The available generating capacity was increased during the month by the

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repairs and return to full service of four plants totaling 37,600 KW capacity. The generating capacity of the region is now in excess of 95% of the pre-war capacity).

An additional 162 kilometers of transmission lines were returned to service during the month. This consisted of 54 kilometers of 132 KV lines and 108 kilometers of 50 KV lines.

E. J. Postell

E. J. POSTELL,
Colonel, C.E.,
A/Director.

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070/14/PWU

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

10 June 1945.

MONTHLY REPORT - MAY

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S U M M A R Y

PUBLIC WORKS DIVISION.

Highways in general in the Northern Regions are in fair condition and it is not anticipated that serious difficulties will be encountered in repairs and maintenance.

Temporary bridges or diversions have been made on all principal routes.

Public utilities have not been seriously impaired and repair work is well in hand.

Work projects in certain areas will have to be initiated to relieve unemployment and it is considered that this can be accomplished in useful forms of Public Works activities.

Italian Engineer Organisations are working satisfactorily. It is estimated that nearly 400 Communal Housing Committees are now organised and working. A total of 17,739 housing repair projects have been started and 8,573 completed. The value of work on housing to the end of May amounts to 1,859 million lire.

The total number of bridges completed is 1,652.

ELECTRICAL DIVISION.

Master Control Central Italy Grid.

The Master Control Centre in Rome continues to satisfactorily control the power plants and transmission system in Central Italy. Initiated by the Electrical Division of this Sub-Commission it will remain as a permanent organisation in the development of the Italian Electrification.

Italian Advisory Committees.

At the last meeting of the Central Italy Advisory Committee Allied Commission advised that serious consideration be given to the standardization of frequency at 50 cycles throughout Central and Southern Italy. This is dealt with in detail in the main report.

Northern Italy.

After an inspection of the Electrical power situation in Northern Italy discussion took place with the Electrical Companies and it was found that ample Electric Power is available in the whole of the Northern area. About 10 % of the Generating Plants were damaged but half of these will be repaired within the next three months. The French have taken over the control of three power stations in the Liguria area and power from these is not

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Utility Rates.

Approval was given to rate increases for the Gas Company at Florence and three Electric Companies in Tuscan Region during the month.

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General.

The Director, the Chief of the Public Works Division and the Chief of the Electrical Division visited all the Northern Regions during the month. The Regional Engineers have set up their Headquarters in their respective Regions and surveys of the general conditions of Public Works, Electric Power and Utility Services have been made.

PUBLIC WORKS DIVISION

ITALY.

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1. Conditions - North Italy.

Lt-Col. V.S. Thompson, Chief of the Public Works Division, accompanied by Capt. R.S. Stephens, visited the following Regions during the month:

Toscana, Emilia, Venezia, Lombardia, Piemonte-Liguria.

General conditions of highways, bridges, housing and Public Works were investigated as thoroughly as limited time would allow with supplemental information being obtained from Regional Engineers. As a result of these investigations the following observations can be noted:

(a) The general condition of all main highways is encouraging as compared to conditions found upon liberation of Central and Southern Areas. Cantonieri are at work on most roads and some materials are already available. Action has been taken by Regional Engineers to ensure that road maintenance forces are reactivated in all sections. Very little bitumen is now available, which is retarding activities, but some stocks can be expected from military sources on roads of military significance. The bitumen picture for strictly civil roads is not encouraging.

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PUBLIC WORKS DIVISION

Diary.

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(b) Where bridges have been blown on critical routes, temporary structures or diversions have been provided. Bailey bridges are in place at many locations, but since the Military Units no longer consider Bailey removals as urgent it is believed that bridging can be left in place during permanent reconstruction. Projects for permanent reconstruction have been or are being processed rapidly in the order of priority established by the military and by most urgent civilian requirements.

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(c) Damage to utilities is widespread but not generally of a serious nature. Surveys have been undertaken in all Regions of damage and projects are being initiated covering corrective work. Water problems are receiving first attention and no serious trouble is anticipated.

(d) In several areas in the North, Regional Engineers have been requested to plan work projects primarily for the relief of unemployment. This program is being given close study by Regional Engineers and this Headquarters. Every indication is that an adequate program can be developed without resorting to ineffective or inefficient types of activities. It has been requested of Regions that when projects designed primarily for relief of unemployment are submitted here for approval they should be signed by the Provincial or Regional Commissioner as well as the Regional Engineer.

(e) Repairs to Bonifiche present an urgent problem in many areas. Stream dikes have been undermined or blown by the enemy and many canals blocked by bridge demolition. Such conditions are being treated as emergencies and corrective work is under way.

(f) Italian Engineer Organizations are functioning in a very satisfactory manner. Personnel appears to be fairly adequate in strength and well qualified technically. In general reconstruction problems are being approached by local Engineers with energy and resourcefulness.

2. Inspections.

During the month inspections of the following highways were made by Headquarters Officers:-

Route 7	Rome to Naples
Route 6	Rome to Cajua
Route 2	Rome to Florence
Route 65	Florence to Bologna
Route 64	Bologna to Ferrara
Route 16	Ferrara to Padua
Route 11	Padua to Venice
Route 11	Padua to Brescia
Route 11 - 1	Brescia to Milan
Route 11 - 1	Milan to Turin
Route 10	Turin to Alessandria
Route 35	Alessandria to Genoa
Route 1	Genoa to Rome.

An inspection was also made of the Port of Genoa where rehabilitation works are under way.

3. Housing.

The Housing Decree mentioned in previous reports continues to [illegible]

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Route 6 Rome to Orvieto
Route 2 Rome to Florence
Route 65 Florence to Bologna
Route 64 Bologna to Ferrara
Route 16 Ferrara to Padua
Route 11 Padua to Venice
Route 11 Padua to Brescia
Route 11 - 1 Brescia to Milan
Route 11 - 1 Milan to Turin
Route 10 Turin to Alessandria
Route 35 Alessandria to Genoa
Route 1 Genoa to Rome.

An inspection was also made of the Port of Genoa where rehabilitation works are under way.

3. Housing.

The Housing Decree mentioned in previous reports continues to produce gratifying results, particularly in Italian Government Territory. By the end of May approximately 400 Communal Housing committees were organized and functioning, with 17,739 repair projects having been initiated of which 8,573 have been completed. Work initiated to date amounts to 1,859 million lire.

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4. Transport and Construction Equipment.

(a) Transport for the hauling of construction and maintenance materials remains critically inadequate. This situation is being aggravated by the withdrawal of well equipped Military

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Engineer Units from the Theatre. In many Areas civilian contractors were dependent on such Units for most of the required transport. Representation is being made through channels for vehicles to be made available immediately.

(b) Activities of Regional Engineer Officers are still being seriously restricted due to an inadequate number of vehicles being made available. Functions cannot be effectively carried out until individual transport is assigned to each Officer. The situation became so critical during May that it was necessary to place a number of " jeeps ", which are consigned to the Italian Ministry of Public Works, with Regions on a temporary loan basis.

(c) The bulk of the road machinery recently received has now been transferred to the Ministry of Public Works and is in operation. Training schools are being conducted where instruction is being given to employees of the Ministry on the proper operation and maintenance of the equipment.

5. The following tables show under main classifications the present aggregate volume of Public Works throughout Italian Government Territory and A.M.G. Territory:

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5. The following tables show under main classifications the present aggregate volume of Public Works throughout Italian Government Territory and A.M.G. Territory:

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Works by Mil. Engineers - Italy (cont'd.)

	Initiated during month	C O S T (Lire)	Completed during month	C O S T (Lire)	In progress during month
			Schemes of Military Priority		
TABLE 'A'					
Roads	69	263,283,600	6	16,210,000	30
Bridges & Retaining Walls	33	101,471,000	11	16,022,000	61
TOTAL	23	36,734,600	17	34,232,000	91
			Schemes of other than of Military Priority (but for which approval AC/AFC was required		
TABLE 'B'					
Roads	26	21,155,000	6	2,096,600	56
Bridges & Retaining Walls	83	121,080,333	28	17,292,200	220
Public Buildings, Schools, etc.	63	31,156,210	16	3,838,600	184
Debris removal & misc.	47	37,074,692	34	19,880,469	197
Water works, Sewers, & Flood Control	179	198,310,90[illegible]	30	16,854,190	265
Housing	4	1,392,000	4	6,461,329	196
TOTAL	400	410,179,823	120	67,423,511	1,136
			Schemes handled independently by Italian Agency		
TABLE 'C'					
Roads	30	4,772,027	29	4,472,712	61
Bridges & Retaining Walls	58	7,412,200	63	6,819,544	118
Public Buildings, schools, etc.	44	4,789,200	54	4,67[illegible],935	146
Debris removal & misc.	39	5,[illegible]8,267	54	3,911,301	125
Water works, Sewers & Flood Control	36	4,567,560	29	2,161,490	76
Housing	4	482,000	2	198,000	4
TOTAL	211	27,[illegible]35,344	231	22,768,082	530
GRAND TOTAL	70[illegible]	8[illegible]2,067,787	361	122,44[illegible]	1,757

Total bridges completed to date : - 2,652.

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Plate No. 40(a) [illegible] (Col. 10)

timated e Month	C O S T (Lire)	Completed during Month	C O S T (Lire)	In progress during Month	C O S T (Lire)
Schemes of Military Priority					
60	263,383,600	6	16,210,000	30	31,085,000
39	101,471,000	11	16,042,000	61	114,342,690
93	34,724,600	17	32,235,000	91	145,427,690
Schemes other than of Military Priority (but for which approval AC/MG was required)					
28	21,119,000	8	2,896,600	56	47,705,200
83	11,070,933	28	17,292,200	250	207,913,294
63	31,156,210	16	3,948,600	184	93,986,287
47	37,974,695	34	32,830,485	197	91,708,019
75	198,310,985	30	16,634,100	263	234,600,543
4	1,392,000	4	6,461,329	196	130,697,600
00	419,179,823	120	67,423,514	1,136	806,611,643
Schemes handled independently by Italian Agency					
30	4,672,937	29	4,472,712	63	9,727,006
58	7,413,200	63	6,819,544	118	14,855,201
44	4,749,280	54	4,674,913	146	13,453,433
39	5,148,262	54	3,914,389	129	10,783,949
36	4,367,560	35	3,661,490	76	9,007,146
4	182,000	2	198,630	4	402,000
11	27,132,744	221	26,788,018	539	58,358,735
[illegible]	508,067,767	364	122,443,[illegible]	1,757	1,070,318,068

Total Bridges completed to date : - 1,652.

TABLE "B" SUMMARY OF REPORT ON PROGRESS OF HOUSING REPAIRS

Province of: Agrigento - Avellino - Bari - Benevento - Brindisi - Cagliari - Caltanissetta - Campobasso - Catania - Catanzaro - Chieti - Cosenza - Enna - Foggia - Frosinone - L'Aquila - Lecce - Littoria - Matera - Messina - Napoli - Nuoro - Palermo - Pescara - Potenza - Ragusa - Reggio Calabria - Rieti - Roma - Salerno - Sassari - Siracusa - Taranto - Teramo - Trapani - Viterbo - (1).

THIS REPORT COVERS THE MONTH OF APRIL 1945.

	1 Started before April.	2 Started during April.	3 Total Col. 1 & 2	4 Approx. cost (In thousand Lire.)	5 Completed by 30 Apr. 1945.	6 Remained unfinished on last day
Projects done on the owners:						
up to 50,000 Lire	5,204	1,175	6,379	180,875	3,561	2,818
from 50,000 to 150,000 Lire	2,460	1,238	3,698	394,330	1,399	2,299
from 150,000 to 300,000 Lire	799	329	1,128	245,677	428	700
from 300,000 to 1,000,000 Lire	361	78	459	252,661	91	368
over 1,000,000 L.	72	27	99	208,531	12	87
TOTAL	8,916	2,847	11,763	1,282,074	5,491	6,272
Projects done by Genio Civile:						
up to 50,000 Lire	3,520	141	3,661	75,136	2,277	1,384
from 50,000 to 150,000 Lire	1,230	232	1,462	121,990	628	834
from 150,000 to 300,000 Lire	432	107	539	91,756	134	405
from 300,000 to 1,000,000 Lire	237	39	276	155,885	41	235
over 1,000,000 L.	44	14	58	192,691	2	56
TOTAL	5,463	533	5,996	577,458	3,082	2,914
GRAND TOTAL	14,379	3,380	17,759	1,859,532	8,573	9,186

DOMAINE COMMUNES

Working Committees	Preceding total	Total this month	New total
Advisory Committees	311	3	314
Communes as yet requiring committees	83	3	86
	108	1	109

(1), Matera and Lecce nil reports.- Data for Naples and Caserta still to be summed up Frosinone and Cassino not yet computed.- Sassari, Nuoro, Palermo and Messina Provinces data missing.- Quantities from the provinces

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from 50,000 to 150,000 Lire	2,460	1,238	3,698	374,330	1,399	2,299
from 150,000 to 300,000 Lire	799	329	1,128	245,677	428	700
from 300,000 to 1,000,000 Lire	381	78	459	252,661	91	368
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COMMUNE COMMITTEES

	Preceding total	Total this month	New total
Working Committees	311	3	314
Advisory Committees	83	3	86
Communes as yet requiring committees	108	1	109

(1). Matera and Lecce nil reports.- Data for Naples and Caserta still to be summed up. Frosinone and Cassino not yet computed.- Bari, Nuoro, Palermo and Sassari Provinces data missing.- Computions from the provinces of Agrigento, Cagliari, Campobasso, Catania, Enna, Foggia, L'Aquila, Littoria, Messina, Napoli, Palermo, Pescara, Roma, Salerno, Sassari, Siracusa and Teramo for the month of March to be summed. Data for the "Institut Case Popolari" of Messina and "Ente Edilizio" of Reggio Calabria is shown in the item "Works carried out by others".-

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PUBLIC WORKS PROJECTS IN ITALIAN GOVERNMENT TERRITORY FOR THE MONTH OF MAY 1945

TYPE OF PROJECTS	Works initiated during month	C O S T (Lire)	Works completed during month	C O S T (Lire)	Works in progress during month
TABLE 'A'		SCHEMES OF RECOVERY PRIORITY			
Roads	5	24,306,418	13	15,800,000	208
Bridges	4	3,460,000	15	22,702,842	63
TOTAL (A)	9	27,766,418	28	38,502,842	271
Table 'B'		CIVILIAN WORKS			
Roads	105	82,090,163	64	36,705,557	320
Bridges	91	99,102,838	32	20,605,352	261
Public Buildings	117	98,923,151	64	4,348,820	400
Schools	37	30,596,806	30	1,372,099	169
Churches & Charitable Inst.	86	56,166,095	39	10,439,332	216
Debris Removal, Etc.	126	42,205,696	84	60,532,950	343
Aqueducts, Sewers	36	45,554,051	12	8,459,035	132
Hydraulic Works	2	469,133	4	638,493	41
Maritime Works	27	43,737,424	7	8,156,035	98
Housing Repairs	195	255,895,260	159	61,477,136	989
Bonifica	61	48,163,846	10	20,480,000	130
TOTAL (B)	881	719,915,355	525	465,099,719	3,190
GRAND TOTAL (A & B)	890	729,681,773	553	503,602,561	3,461

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PUBLIC WORKS PROJECTS IN ITALIAN GOVERNMENT TERRITORY FOR THE MONTH OF MAY 1945

Works initiated during month	COST (Lire)	Works completed during month	COST (Lire)	Works in progress during month	COST (Lire)
SCHEME OF MILITARY PRIORITY					
5	24,306,418	13	15,000,000	208	654,070,100
4	3,460,000	15	22,702,842	63	124,469,053
9	27,766,418	28	38,502,842	271	778,539,153
CIVILIAN WORKS					
105	82,090,163	64	38,785,557	329	452,216,262
91	99,102,838	32	20,605,352	281	387,470,408
117	98,923,191	64	4,248,820	400	423,779,138
37	10,596,806	30	12,372,009	168	149,897,303
86	55,186,095	39	10,439,332	218	139,926,027
126	42,205,696	84	269,231,950	343	168,254,840
36	45,554,051	32	8,450,035	132	101,303,609
6	469,133	4	633,493	11	24,934,305
27	43,727,424	7	8,156,035	98	85,162,832
193	155,895,260	159	61,477,136	989	553,916,175
61	48,163,046	10	20,480,000	130	302,625,628
881	719,915,335	525	465,099,719	3,199	2,708,306,587
890	758,601,753	553	509,602,361	3,461	3,486,845,740

ELECTRICAL DIVISION

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8	Utility Rates	10
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1. Master Control Central Italy Grid.

The operation of the power plants and transmission system in Central Italy continues to be satisfactorily controlled from the Master Control Centre in Rome. This Control Centre initiated by the Electrical Division will remain as a permanent organisation in the Italian electrification development.

2. Italian Advisory Committees.

Regular meetings of the Advisory Committees on Electric Power continue to be held in Sardinia, Sicily, Southern Italy and Central Italy. An important matter was raised at the last meeting of the Central Italy Advisory Committee when they were advised by Allied Commission to give serious consideration to the standardization of frequency throughout Central and Southern Italy. It was pointed out that within a few months a large amount of power would be available from Northern Italy at 50 cycle frequency and that it was necessary to arrange for the Central Italy Grid to be at a similar frequency, in order that this imported energy could be distributed together with the present power on a priority basis. Furthermore, it was stressed that the raising of frequency from 45 to 50 cycles should be carried out before the industrial rehabilitation made the task more difficult. The committee recommended that the frequency of supply in Central Italy should be raised from 45 to 50 cycles when the power from Northern

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3	Electrical Reconstruction Committee	8
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The question of frequency standardization will be discussed at the next meeting of the Southern Italy Advisory Committee where it is considered a similar change in frequency should take place, in order to take advantage of 50 cycle power which will be available for transmittal from Central Italy at about October 1945 and also to achieve this before the complete industrial recovery.

3. Electrical Reconstruction Committee.

No meeting of the Electrical Reconstruction Committee was held during the month of May 1945. With the cessation of hostilities in this Theatre the need for the Committee has ceased and A.F.H.Q. Administrative Memorandum No. 32 dated 30th May 1945 states as follows:

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ELECTRIC POWER REHABILITATION

AFHQ Administrative Memorandum Number 38, 1944, and Section I, Administrative Memorandum Number 7, 1945, are rescinded.

1) The Electrical Reconstruction Committee created by above Administrative Memorandum is dissolved.

2) The functions of electric power rehabilitation are transferred to the Allied Commission.

3) Military agencies engaged in electric power rehabilitation activities will coordinate their plans with the Allied Commission.

4. Electrical Reconstruction Team.

In addition to the Electrical Reconstruction Team which has been located at Florence for some months, arrangements have now been made for two officers to reside at Bologna. The purpose of this is to concentrate on the reconstruction of the transmission line between Bologna and Florence where very serious damage occurred in this battle area. This reconstruction work is considered of the greatest importance for the reason that it will make available about 100,000 KW. of additional power for Central Italy. It is anticipated that the first of the three lines will be completed about the end of July, the final interconnection being through by September/October.

5. Northern Italy.

An inspection was made during the month of the electrical power position in Northern Italy. Discussion took place with the electrical companies and it is now clear that ample electric power facilities are available in the whole of the northern area. About 15 % of the generating plants were damaged partly by partisan activities, but of these 30 % will be repaired within three months. The French have taken over the control of 3 Power Stations in the Liguria area and the power from these is not now available in Northern Italy. Since the industrial demand for power is considerably less than normal, it is not considered that this loss of capacity will have any detrimental effect on the power position in Northern Italy for the present.

6. Power Allocation.

The monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board was held on 29th of May. Apart from some minor increases, no additional power was allocated from the Central Italy grid for the month of June 1945. Additional allocation was made from the Lophoru grid, the most important of which included 2,500 KW. for the wire-drawing plant at Bergia. This plant will be in a position to re-draw salvage copper for transmission lines, generators and transformers. The plant is located near Florence which is advantageous for rehabilitation work in Central Italy. Heretofore all such work had to be done at Naples. An allocation was granted for the Rumianca Chemical works in Southern Italy for the month of June 1945, [illegible] curtailed to the 15th June due to the breakdown

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In addition to the Electrical Reconstruction Team which has been located at Florence for some months, arrangements have now been made for two officers to reside at Bologna. The purpose of this is to concentrate on the reconstruction of the transmission line between Bologna and Florence where very serious damage occurred in this battle area. This reconstruction work is considered of the greatest importance for the reason that it will make available about 100,000 Kw. of additional power for Central Italy. It is anticipated that the first of the three lines will be completed about the end of July, the final interconnection being through by September/October.

5. Northern Italy.

An inspection was made during the month of the electrical power position in Northern Italy. Discussion took place with the electrical companies and it is now clear that ample electric power facilities are available in the whole of the northern area. About 10 % of the generating plants were damaged partly by partisan activities, but of these 50 % will be repaired within three months. The French have taken over the control of 3 Power Stations in the Liguria area and the power from these is not now available in Northern Italy. Since the industrial demand for power is considerably less than normal, it is not considered that this loss of capacity will have any detrimental effect on the power position in Northern Italy for the present.

6. Power Allocation.

The monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board was held on 29th of May. Apart from some minor increases, no additional power was allocated from the Central Italy grid for the month of June 1945. Additional allocation was made from the Leghorn grid, the most important of which included 2,000 Kw. for the wire-drawing plant at Bergin. This plant will be in a position to re-draw salvage copper for transmission lines, generators and transformers. The plant is located near Florence which is advantageous for rehabilitation work in Central Italy. Heretofore all such work had to be done at Naples. An allocation was granted to the Crotone Chemical Works in Southern Italy for the month of June 1945, but this has since had to be curtailed to the 15th June due to the breakdown of generating plant in Southern Italy.

7. Generation and Transmission in Central Italy.

The first 120,000 and 150,000 V. electric transmission lines in Central Italy to function after the war began operation during the month. Both lines are used in a scheme to connect Florence with the rest of Central Italy. The immediate effect of the lines was seen to deliver energy to Florence at a higher voltage

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and at greater efficiency. Later they will permit large power interchange between North and Central Italy. In connection with this, repairs to two large transformers have been completed which have been put into service. Other work in co-operation with the Military Districts is being pressed forward, particularly in the Forli' area where electricity is in short supply. Two instances of equipment failure occurred during the month: A 20,000 KVA. transformer at the Galleto plant of the Terni Company became unavailable because of a damaged coil. The unit is expected back in service by the middle of June. At Crichelin in Southern Italy a 20,000 KVA. generator failed and will be out of service for some months.

8. Utility rates.

Rate increases were approved for the gas company at Florence and for three electric companies operating in Toscana Region during the month of May 1945. Applications for rate increases from utility companies continue to be received and all matters pertaining to rate increases in Italian Government territory are now handled by the Inter-Ministerial Price Committee of the Italian Government.

9. Supplies.

During May all the demands for supplies for rehabilitation works were met, but difficulty arose owing to the heavy demands made by the Military railway services. The situation with regard to the oxygen and acetylene has eased and supplies are now forthcoming.

REGIONAL REPORTS

INDEX

Reports submitted by the Regional Engineers are briefly summarized in the following pages:-

Region	Page
Toscana	10
Emilia	11
Piemonte & Liguria	12
Lombardia	13
Venezia.	13

The number, cost, and status of all projects in the several regions are included in the Summary tables on pages: 5, 6, & 7.

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TOSCANA - (Regional Engineer - Lt-Col. P.S.I. ICE, R.E.)

Public Works and Utilities.

The handing over of Florence, Pistoia, Lucca and Apuania to Regional control has greatly increased the amount of reconstruction to be done in these severely damaged areas.

Water projects in Pistoia, Florence and Livorno are under way. Large projects of interest to Agriculture and Public Health have been approved. The

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housing decree has been explained by personal visits to various local committees, and officials in all provinces.

When power from the North becomes available in the very near future the operation of the pumps of the Florence City water works will be more satisfactory.

Natural gas in in good supply - artificial gas continues critical owing to supply of coal.

Street cars are now in service and steps are being taken to use the tramway for transportation of goods and materials.

211 Public Works Projects were initiated during the month and handled independently by the Italians. A total of 530 projects have now been initiated and 291 completed to date.

124 projects for roads and bridges were initiated during the month and total to date is 274 in all, 29 have been completed to date.

Forlì - (Regional Engineer - Lt-Col. W.A. SEARS, R.E.)

Public works and Utilities.

The military highways of the area are Routes 9, 16, 67, 64, 65, and 12 and steps are being taken to take over the work of maintenance on these Routes from Army and District as of June 1. Route 10 is at present under the Allied area, supervised by Lombardi Region and the building of bridges on this route is being done under the 167 CRE.

Works under way in the Provinces of Forlì and Ravenna have been hampered during the month by a shortage of materials and transport. It is emphasized that the acute shortage of transport facilities is the major problem of the moment. Relief has been promised by 5th Army which hopes to release some German equipment to the Region in the near future. Provided this plan is carried out and trucks in sufficient number with P.O.L. supplies are issued, other problems can be handled without serious trouble.

Shortage of all controlled materials has been acute, partly due to the inability to obtain transport to move them from release points. With remedial measures in prospect with respect to transport, and the proposed detailing of an Engineering Supplies Officer to this office within the near future, considerable improvement can be expected.

U.S.V.S. and Genio Civile officials are reacting very satisfactorily and are cooperating to their fullest extent. Some educational work remains to be done but all difficulties will be ironed out during the month of June.

Housing Decrees have been implemented in all provinces of the Region and all Genio Civile have been instructed to begin the organization of housing committees where needed.

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All Public Works projects were initiated during the month and handled independently by the Italians. A total of 530 projects have now been initiated and 291 completed to date.

124 projects for roads and bridges were initiated during the month and there are 274 in hand, 69 have been completed to date.

[redacted] - (Regional Engineer - R-G.I. A.M. GRAY, U.S.)

Public Works and Utilities.

The military highways of the area are Routes 9, 16, 67, 64, 65, and 12 and steps are being taken to take over the work of maintenance on these Routes from Army and District as of June 1. Route 12 is at present under the Milan area, supervised by Lombardia Region and the building of bridges on this route is being done under the 167 CMB.

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Housing Decrees have been implemented in all provinces of the Region and all Genio Civile have been instructed to begin the organisation of housing committees where needed.

The work of rehabilitation in Rimini is progressing as rapidly as possible. Troubles are the same shortages that handicap other work i.e. transport and materials.

PIEMONTE & LIGURIA - (Regional Engineer - Col. C.H. BLANCHETT, C.E.)

Public Works and Utilities.

The Regional Engineer has been to Alessandria, Genoa, Savona, Cuneo, Aosta, Vercelli, Novara and Domodossola. The various sections in the Region have all visited the Ligurian area and also the provincial capitals of Piemonte. Lack of transport has seriously hampered the operation of the officers in this Division.

Military Highways priorities have been obtained and are as follows:

The Autostrada Turin to Milan -

The Asti Alessandria Genoa road -

The Alessandria Piacenza Road and the Piacenza Genoa road -

The Liguria coast Highway.

Main routes are open to Genoa, Milan, Modena and all provincial capitals.

Materials are available. One large Todt Organisation Dump has been taken over by the Regional Engineer and will afford many needed items for bridge reconstruction work.

The public works section has been very active. The two areas most damaged in Piemonte are Turin and Alessandria. At present thirteen projects have been reviewed and approved. More are being studied. In Genoa 5 projects have been approved. In Liguria the damage is centered in Genoa and the southern end of the region. Provincial Capitals have been visited and the Genie Civile requested to aid in establishing the Housing Committees.

There are 32 Gas Plants in Piemonte and 16 in Liguria. Of these 48 plants 7 are municipally owned. These plants required for a 24 hours operation coal as follows:

	24 hours operation	4 hours operation
Turin	440 Tons	250 Tons
Genoa	270 "	150 "
Sig.	190 "	102 "
Misc.	180 "	104 "
TOTAL	1,080 Tons	606 Tons

At the present time all plants are down.

The trams in the cities are all operating. Buses are restricted due to lack of fuel and tires. Efforts are being made to put into service an inter-city bus service.

In the area there are relatively few serious problems resulting from water damage for the Water Supply. However there are some 19 places of major damage in the main water systems and plans are in hand for these.

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Piacenza Genoa road -

The Liguria coast Highway.

Main routes are open to Genoa, Milan, Modena and all provincial capitals.

Materials are available. One large Todt Organisation Dump has been taken over by the Regional Engineer and will afford many needed items for bridge reconstruction work.

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In the area there are relatively few serious problems resulting from water damage for the Water Supply. However there are some 19 places of major damage in as many water systems and plans are in hand for these.

The transport situation both for Regional and Contractor's use has not been satisfactory. Transport for Genio Civile and Italian Engineers, is almost non existent. Steps have been taken to release new small pick-up trucks to the Genio Civile for their use.

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FLORENCE - (Regional Engineer - Col. C.F. LOUTON, F.A.)

Public works and Utilities.

A rapid survey of the area has shown:

a) That damages to utilities are slight.

b) Damages to works and buildings, with the exception of Milan City, are less than anticipated.

c) Italian Engineer organizations are functioning satisfactorily.

Fifth Army has designated the Turin Brescia Autostrada, the Milan Piacenza road and the Piacenza Alessandria road as Military Highways. Four bridges have been destroyed. Inspections have been made and projects prepared. Two bridges have been put in hand as emergency works. All Military Highways have been turned over to the Regional Engineer during this month.

A total of 45 bridges has been reported damaged on other highways. The general condition of highways is good, but are in need of ordinary maintenance and bitumen for patching.

A program of approximately L. 550,000,000 for Public works is being set up for the rest of this year. This includes, for the major part, removal of debris; hospitals, schools and housing. The complete program will be forwarded during this next month.

Water works are normal in most of the region with no immediate problems. The banks of the PO River are being strengthened along the whole boundary of Lombardia and this is being done as emergency work to avoid flood damage during the flooding season.

Transport situation is better than in Southern Italy yet transport still is a criterion of the work accomplished in this Region. A study is being made of the inland water ways. Tires are critical. Captured German vehicles are expected to be assigned for road maintenance. The Public Utilities Office has assisted the electric companies in obtaining motor fuel, urgently needed material and travel passes and permits. Transportation has not been available for the utilities officers and for that reason no inspections of power and gas facilities have been made; furthermore Maj. Hahan was temporarily loaned to the Region to assist in securing civilian cars and has not been available to the division for field inspection work.

VENICE - (Regional Engineer - Maj. W. KNIGHT, M.C., Essex Regt.)

Public Works and Utilities.

The most urgent work found necessary was to effect immediate repairs to the embankments of the rivers Po, Adige, Brenta, Piave and the canals which had been severely damaged by aerial bombs and demolition. Work was immediately put in hand and the projects drawn up.

Fifth Army has designated the Turin Brescia Autostrada, the Milan Piacenza road and the Piacenza Alessandria road as Military Highways. Four bridges have been destroyed. Inspections have been made and projects prepared. Two bridges have been put in hand as emergency works. All Military Highways have been turned over to the Regional Engineer during this month.

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VENEZIA - (Regional Engineer - Maj. W. KNIGHT, A.C., Essex Regt.)

Public Works and Utilities.

The most urgent work found necessary was to effect immediate repairs to the embankments of the Rivers Po, Adige, Brenta, Piave and the canals which had been severely damaged by aerial bombs and demolition. Work was immediately put in hand and the projects drawn up.

The 5th Army area comprising Vicenza, Verona, Trento and Bolzano was still under A.A.C. 5th Army with the exception of Vicenza which was turned over to the Region, and the necessary funds to effect repairs to the embankments of the River Adige in Verona Province were obtained from A.A.C. 5th Army.

The damage in the Region was not as severe as anticipated. The provinces that suffered most were Rovigo, where a number of bridges were destroyed, Verona was about 45 % damaged and has its seven bridges over the river Adige destroyed, Treviso suffered about 50 % damage, especially to the [illegible] Padova suffered about 20 % damage, Venezia [illegible] damage

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except in Port Area. Mestre, damaged 65 %. In the above Provinces, all the Public Works Services were in general functioning with a few exceptions.

The State Roads were found to be in a good state of repair, with the exception of Route 11 from Padova-Mestre and Route 14 from Mestre towards Trieste. In the Compartimento of Venezia 29 bridges have been destroyed on the State roads. Numerous Provincial and Communal bridges have been destroyed, but to date, the full count has not been made.

Generally the water situation is very good, there are certain works which will have to be carried out. Inspections are being carried out and projects prepared.

Cement was required in Treviso Province to enable an aqueduct to be repaired which was necessary for irrigation of a large area of land; this was procured.

Transport is again one of the problems as the Region has insufficient vehicles to allot to officers, there being only four vehicles for eight officers.

E.J. RIGBY,
Colonel, C.E.,
A/Director.

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

10 May 1945

MONTHLY REPORT - APRIL

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S U M M A R Y

GENERAL

Assistance from Switzerland

Colonel L.A. Jenny, Director of the Sub-Commission, returned from his visit to Switzerland on 22 April and has rendered a separate report on the purpose of his Mission the main points of which are as follows :-

a. To endeavor to have electricity exported to Northern Italy, if needed after liberation.

b. To ascertain what electrical generation equipment could be obtained in Switzerland if needed after liberation of N. Italy.

c. To enquire what credit Switzerland might extend to Italy to pay for these exports until Italy can repay in exports to Switzerland.

PUBLIC WORKS DIVISION

Housing

Approximately 393 Communal Housing Committees are now organized and functioning. To date 14,323 repair projects have been initiated of which more than 6,429 have been completed. Work initiated to date amounts to 1,475 million lire.

Military Highways in Italian Government Territory.

No serious problems developed during the first month after the hand over of Military Highways responsibilities from A.C. to Military Units.

Public Works - General

Information received to date on conditions in newly liberated Areas is encouraging but inadequate. Personal inspections by Headquarters Officers are being made in Northern Italy and contacts will be made with C.E.'s of Military Districts, Donbase Engineers and Regional Engineers.

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ELECTRICAL DIVISION

Italian Advisory Committees

The Advisory Committees on Electric Power for Sardinia, Sicily, Southern and Central Italy are proving to be most useful to the Italian Government and regular monthly meetings continue to be held.

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It is proposed to form an Advisory Committee on Electric Power (Northern Italy) as early as possible. A National Advisory Committee will later be formed to coordinate the work of the Regional Advisory Committees.

Electrical Reconstruction Committee

The sixth meeting of the Electrical Reconstruction Committee was held on 17 April 1945. A report was submitted from the Electrical Division in which progress of rehabilitation and forecast for the future was given. The Chief Engineer, AFHQ, chairman of the Committee, expressed satisfaction with the progress made in the restoration of the electrical facilities in Central Italy carried out under the guidance of the Allied Commission.

Power Allocation

At the monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board held on 17 April, information was given that an additional 40,000 KW of electrical generating plant was available for use in Central Italy. It was anticipated that some of this energy would be required in the area north of Florence, however, it is now known that there is sufficient electricity available in Northern Italy to supply these areas and surplus energy will shortly be available for use in Central Italy.

Generation

The second of the large 35,000 KW generating units, at Galleto, Terni, came into operation on 10 April, together with an 11,000 KW unit at Pian della Rocca.

Transmission

565 Kms. of transmission line were rehabilitated in Italy during the month. Work has been started to restore transmission systems to recently liberated plants north of the Florence Area.

Supplies

Attention is drawn to the success achieved in utilizing local materials in the reconstruction work. To date only

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Supplies

Attention is drawn to the success achieved in utilizing local materials in the reconstruction work. To date only 200 tons of imported materials have been required. This consisted of 31 tons of condenser tubes, 100 tons of transformer bushings, 50 tons of insulating materials and 19 tons of miscellaneous items.

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GENERAL

1. Assistance from Switzerland

Col. L.A. Jenny, Director of the S/C. left for Switzerland on 28 March 1945 and returned 22 April, a separate report has been rendered. The main purpose of the mission was:-

a. To endeavor to have electricity exported to Northern Italy, if needed after liberation.

b. To see what electrical generation equipment could be obtained in Switzerland, if needed after liberation of N. Italy.

c. To see what credit Switzerland might extend to Italy to pay for these exports until Italy can repay in exports to Switzerland.

While in Switzerland many other subjects were reviewed and reported upon.

As a result of this visit it can be stated that :-

a. 59000 KW of electricity can be exported to Northern Italy.

b. Much electrical generating plant is now available in Switzerland, or could be finished in a few months. There is a shortage of magnetic plates for dynamos, etc. and aluminum.

c. Switzerland will extend a credit to Italy sufficient to meet early rehabilitation needs.

Other subjects reviewed and reported upon were :-

(i) Fertilizer production and food situation in N. Italy,

(ii) Textile Machinery,

(iii) Transit through Switzerland of food and supplies,

(iv) Miscellaneous data collected on :-

a. Trucks
b. Medical Aid & food
c. Flour Mills
d. Telephones
e. Diesel & Gas Motors

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c. Flour Mills
d. Telephones
e. Diesel & Gas Motors
f. Pumps
g. Medical apparatus
h. Agricultural Machinery
i. Heating Installations
j. Lathes
k. Chemicals
l. Electric Drills
m. Tooling Machines
n. Locomotives

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(v) Imports from Italy desired by Swiss :-

An official list was also obtained from Switzerland showing what imports it desired from Italy, and in what quantities, and which could be used to repay Switzerland for exports to Italy.

PUBLIC WORKS DIVISION

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1. Inspections

No inspections were made by Headquarters Officers, due to the hospitalization of the one available Field Engineer as a result of transport accident. The pressure of work in Headquarters required the continuous presence of the Division Chief and the one staff officer.

2. Housing

Approximately 393 Communal Housing Committees are now organized and functioning. To date 14,323 repair projects have been initiated of which more than 6,429 have been completed. Work initiated to date amounts to 1,475 million lire. Progress of housing repairs through the month of April is reflected on attached table (see page Table "B").

3. Transport and Construction Equipment

During the month, approximately 300 salvaged tires were

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3. Transport and Construction Equipment

During the month, approximately 300 salvaged tires were secured for use by Genio Civile and Contractors. These tires, while not in the best condition, have made it possible to place many passenger cars and trucks back on the road. Delivery has not yet been completed on the 30 - 3 ton trucks mentioned in the March report, as 17 vehicles were not available at the source against which the release was issued. The matter is now being cleared with A.F.H.Q.

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Additional items of road machinery have been received and are being assembled and serviced. In an effort to place more vehicles in service the new tires are being removed from the asphalt kettles and placed on Genio Civile cars. These tires will be replaced with old tires, which will be entirely adequate for the kettles.

4. Military Highways in Italian Government Territory

No serious problems developed during the first month after the hand-over of Military Highways responsibilities from A.C. to Military Units.

Proposals for a limited number of new works were developed by the Military Units and Genio Civile and passed to this Headquarters for approval. The schemes gave every evidence of having been well scrutinized as to urgency and cost.

Some objection was raised by Military District and D.W., A.F.H.Q. over the necessity of Military Units handling P.O.L. coupons for Contractors on military works. This situation was adjusted satisfactorily by the Division Chief in conference with District Roads Officers after it was clearly shown that the use of these special coupons served only to ensure provision of adequate P.O.L. (Petrol, etc.) and would be discontinued when the military urgency no longer existed.

5. Public Works - General

Information received to date on conditions in newly liberated Areas is encouraging but inadequate. Personal inspections by Headquarters Officers are being made in North Italy and contacts will be made with C.E.'s of Military Districts, Penbase Engineers and Regional Engineers.

6. The following tables show under main classifications the present aggregate volume of Public Works throughout Italian Government Territory and A.M.G. Territory :-

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PUBLIC WORKS PROJECTS IN [illegible] (A.O.I.) TABLE "A"

TYPE	Initiated during Month	COST (Lire)	Completed during Month	COST (Lire)	In progress during Month
TABLE A — Schemes of Military Priority					
Roads	36	118,294,000	22	33,141,000	34
Bridges & Retaining Walls	29	78,617,000	30	21,099,000	85
TOTAL	65	196,911,000	52	54,240,000	123
TABLE B — Schemes other than of Military Priority (but for which approval of AC/AMG was required)					
Roads	96	76,708,938	36	17,577,946	118
Bridges & Retaining Walls	143	162,169,462	42	27,874,700	259
Public Buildings, Schools, etc.	74	32,487,996	28	5,190,893	203
Debris removal & misc.	36	30,206,123	35	11,329,042	198
Water works, Sewers, & Flood Control	135	74,488,264	29	16,083,536	226
Housing	27	50,934,627	15	11,525,000	100
TOTAL	493	426,994,498	159	89,582,111	1,104
TABLE C — Schemes financed independently by Italian agency.					
Roads	34	2,411,700	102	11,246,399	53
Bridges & Retaining Walls	28	3,154,135	153	18,723,000	104
Public buildings, Schools, etc.	71	7,688,764	186	13,779,899	151
Debris removal & misc.	5	576,000	23	2,733,112	21
Water Works, Sewers & Flood Control	89	16,833,935	75	9,526,185	159
Housing	1	350,000	1	62,360	2
TOTAL	203	30,812,534	542	56,071,783	490
GRAND TOTAL	761	654,618,032	753	199,892,854	1,717

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PUBLIC WORKS PROJECTS IN APRIL (A.A.I.) TABLE "A"

Initiated in Month	COST (Lire)	Completed during Month	COST (Lire)	In progress during Month	COST (Lire)
Schemes of Military Priority					
86	118,394,000	22	33,141,000	38	112,028,000
20	78,617,000	30	21,099,000	85	193,633,690
93	196,911,000	52	54,240,000	123	305,661,690
Schemes other than of Military Priority (but for which approval of AC/AMG was required)					
96	76,706,926	36	17,577,940	118	90,955,810
03	162,069,462	42	22,674,700	259	246,278,704
78	32,407,096	28	5,190,883	203	121,177,526
80	30,206,123	15	11,329,042	198	83,387,696
15	74,488,264	23	16,083,536	226	116,179,693
27	50,934,627	15	11,525,000	100	107,893,100
99	426,854,498	159	89,581,111	1,104	765,876,529
Schemes handled independently by Italian agency.					
11	2,411,700	102	13,246,293	93	6,625,301
23	3,154,135	153	18,721,000	104	11,148,323
71	7,688,764	186	13,779,893	151	13,231,728
5	574,000	25	2,733,112	21	2,473,112
82	16,835,955	75	9,536,185	159	30,121,246
1	150,000	1	62,360	2	395,000
93	30,812,534	542	56,973,743	490	66,994,780
61	654,613,032	739	199,892,854	1,717	1,138,528,999

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SUMMARY REPORT OF PROGRESS OF HOUSING REPAIRS — TABLE "J"

Provinces of: Agrigento - Avellino - Bari - Benevento - Brindisi - Cagliari - Caltanissetta - Campobasso - Catania - Catanzaro - Chieti - Cosenza - Enna - Foggia - Grosseto - L'Aquila - Lecce - Littoria - Matera - Messina - Napoli - Nuoro - Palermo - Pescara - Potenza - Ragusa - Reggio Calabria - Rieti - Roma - Salerno - Sassari - Siracusa - Taranto - Teramo - Trapani - Viterbo - (1).

THIS REPORT COVERS THE MONTH OF MARCH 1945 .-

	1 Started before March	2 Started during March	3 Total Col. 1 & 2	4 Approx. cost (In thousand lire)	5 Completed by 31 Mar. 1945.	6 Balance underway 3 less 5
Projects done by the owners:						
up to 50,000 lire	4,449	489	4,938	153,638	2,739	2,199
from 50,000 to 150,000 lire	1,902	504	2,406	264,877	836	1,570
from 150,000 to 300,000 lire	736	132	868	185,824	217	651
from 300,000 to 1,000,000 lire	324	39	363	217,281	55	328
over 1,000,000 L.	61	13	74	98,733	7	47
TOTAL	7,446	1,197	8,643	920,273	3,848	4,795
Projects done by Genio Civile:						
up to 50,000 lire	3,597	125	3,662	72,309	2,059	1,603
from 50,000 to 150,000 lire	1,097	154	1,251	108,238	352	899
from 150,000 to 300,000 lire	400	52	452	89,395	125	327
from 300,000 to 1,000,000 lire	256	18	274	168,436	43	231
over 1,000,000 L.	31	10	41	116,305	2	39
TOTAL	5,321	359	5,680	554,671	2,581	3,099
GRAND TOTAL	12,767	1,556	14,323	1,474,944	6,429	7,894

COLLUDE COMMUNES

Precedente (Prec.)	Total this month.	New total

up to 50,000 Lire	4,443	489	4,932	153,636	2,733	2,199
from 50,000 to 150,000 Lire	4,902	504	5,406	264,877	896	1,370
from 150,000 to 300,000 Lire	736	132	868	185,824	217	651
from 300,000 to 1,000,000 Lire	324	57	383	217,201	55	328
over 1,000,000 L.	41	13	54	98,733	7	47
TOTAL	7,446	1,197	8,643	920,273	3,848	4,795
Projects done by Genio Civile:						
up to 50,000 Lire	3,537	125	3,662	72,303	2,059	1,603
from 50,000 to 150,000 Lire	1,097	154	1,251	106,232	352	899
from 150,000 to 300,000 Lire	460	52	452	89,595	125	327
from 300,000 to 1,000,000 Lire	256	18	274	168,436	43	231
over 1,000,000 L.	31	10	41	116,305	2	39
TOTAL	5,321	359	5,680	554,671	2,581	3,099
GRAND TOTAL	12,767	1,556	14,323	1,474,944	6,429	7,894

COMBINE COMMITTEES

	Preceding total	Total this month.	New total
Working Committees	180	129	311
Advisory Committees	21	62	83
Communes as yet requiring Committee	-	108	108

(1) Matera and Lecce nil report - Treviso report missing, table by Genio Civile not complete - The data from Naples and Caserta offices not yet worked up - The figures as a whole may still be altered upon receipt of further data from Agrigento, Enna, Foggia, L'Aquila, Littoria, Messina, Napoli, Palermo, Pescara, Rieti, Salerno, and Teramo.

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PUBLIC WORKS PROJECTS IN U.P.I. GOVT. AREA DURING THE MONTH OF APRIL 1945.

TYPE OF PROJECTS	Works initiated during month	COST (Lire)	Works completed during month	COST (Lire)	Works in progress during month
TABLE A — SCHEMES OF MILITARY IMPORTANCE					
Roads	21	53,429,500	19	21,328,000	158
Bridges	4	6,358,000	20	40,251,005	75
TOTAL (A)	25	59,786,500	39	61,579,005	233
TABLE B — CIVILIAN WORKS					
Roads	51	36,549,151	24	14,598,717	265
Bridges	38	12,488,656	25	28,167,847	158
Public Buildings	80	87,496,310	32	7,203,772	264
Schools	26	24,455,734	11	4,713,200	112
Churches & Charitable Inst.	28	13,734,528	24	5,420,670	143
Debris removal, Etc.	66	21,920,078	75	27,267,422	136
Aqueducts, Sewers	11	3,201,700	9	4,109,312	80
Hydraulic works	10	2,327,123	3	1,800,000	42
Electric works	18	19,432,432	7	1,853,091	88
Housing Repairs	168	87,006,365	98	46,318,786	756
Sanitation	16	12,740,950	5	5,454,000	72
TOTAL (B)	512	319,352,967	313	147,766,924	2,035
GRAND TOTAL (A + B)	537	379,141,467	352	209,345,929	2,268

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...ORKS PROGRESS IN FIELDS (OVER-ALL) FOR THE MONTH OF APRIL 1945. May

TABLE "C"

Works initiated during month	C O S T (Lacs)	Works completed during month	C O S T (Lacs)	Works in progress during month	C O S T (Lacs)
SOURCES OF MILITARY MONEY					
21	53,423,500	19	21,320,000	158	460,200,058
4	6,352,000	20	40,251,000	75	167,614,004
25	50,758,500	9	61,72,900	233	626,714,062
CIVIL WORKS					
51	34,589,151	24	14,998,747	265	296,791,708
38	43,188,596	25	28,467,847	156	236,407,414
80	57,496,330	32	7,303,772	204	165,112,242
26	24,455,774	11	4,725,300	112	104,756,638
28	13,734,548	24	5,420,670	143	48,124,445
66	21,920,078	75	27,267,492	156	201,728,638
11	3,201,730	2	4,189,312	59	29,497,311
10	2,327,123	3	1,000,000	42	256,919,906
18	29,432,432	7	1,851,051	68	51,208,900
168	67,006,365	98	46,318,786	756	940,623,025
16	13,740,250	5	5,434,000	72	591,067,123
512	319,352,967	333	147,766,924	2,006	2,354,967,440
537	371,141,467	352	209,345,924	2,289	2,983,081,502

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ELECTRICAL DIVISION

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8	Utility Rates	9
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	Electrical data as at 30 April	10

1. Master Control - Central Italy Grid

The Master Control for the Central Italy Grid which was established in the offices of the Electrical Division in January 1945 was moved to the "Società Romana di Elettricità" Via Poli 14, Rome on 14 April 1945. The transfer was carried out successfully and the Control Center in the Electrical Division will be retained for emergency use for the time being.

2. Italian Advisory Committees

The Advisory Committees on Electric Power for Sardinia, Sicily, Southern and Central Italy are proving to be most useful to the Italian Government and regular monthly meetings continue to be held. The Sardinian and Sicily Committees now function under their own chairman. At the request of the Ministry of Public Works the Chief of the Electrical Division still retains chairmanship of the Southern and Central Italy Committees for the present.

It is proposed to form an Advisory Committee on Electric Power (Northern Italy) as early as possible. A National Advisory Committee will later be formed to coordinate the work of the Regional Advisory Committees.

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Electrical Data as at 30 April 10

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It is proposed to form an Advisory Committee on Electric Power (Northern Italy) as early as possible. A National Advisory Committee will later be formed to coordinate the work of the Regional Advisory Committees.

Attention is drawn to the action taken by the Central Italy Advisory Committee in which the electrical companies showed the true spirit of co-operation in waiving a claim for loss in revenue brought about by interconnection of the grid systems.

All the Advisory Committees again stressed the urgent need for improved transport facilities and tyres for existing vehicles.

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3. Electrical Reconstruction Committee

The sixth meeting of the Electrical Reconstruction Committee was held on 17 April 1945. A report was submitted from the Electrical Division in which progress of rehabilitation and forecast for the future was given. The Chief Engineer AFHQ, chairman of the Committee, expressed satisfaction with the progress made in the restoration of the electrical facilities in Central Italy carried out under the guidance of the Allied Commission.

4. Northern Office-Florence

The establishment of the Advance Section of the Electrical Division at Florence, in January 1945, has proved invaluable in maintaining a close liaison with Military Authorities in the forward areas and affecting reduction in car mileage.

Towards the end of the month electrical officers from the Central Italy Reconstruction Team were sent forward to Florence, in order to take over the more urgent work which it was anticipated would fall to A.C. when the Armies moved forward.

Repair workshops in the Florence area are now carrying out all the repair work for the generating plants in the northern part of Central Italy.

5. Power Allocation

At the monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board held on 17 April, information was given that an additional 40,000 KW of electrical generating plant was available for use in Central Italy. It was anticipated that some of this energy would be required in the area north of Florence, however, it is now known that there is sufficient electricity available in northern Italy to supply these areas and surplus energy will shortly be available for use in Central Italy.

6. Generation

Progress continued on rehabilitation of generating stations in Central and Southern Italy. Difficulties experienced are still attributed to transport, scarcity of work-shop facilities, shortage of cement and lack of insulating material.

The plants destroyed north of Florence in recently liberated territory have been inspected and wreckage is being cleared preparatory to restoration work being commenced.

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The plants destroyed north of Florence in recently liberated territory have been inspected and wreckage is being cleared preparatory to restoration work being commenced.

The second of the large 35,000 KW generating units, at Galleto, Terni, came into operation on 10 April, together with an 11,000 KW unit at Pian della Rocca.

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7. Transmission

365.5 Kms. of transmission line were rehabilitated in Italy during the month. Work has been started to restore transmission systems to recently liberated plants north of the Florence Area.

8. Utility Rates

No special matters arose in respect to utility rates during the month.

9. Supplies

Success has been achieved in utilizing local materials in the reconstruction work. To date only 200 Tons of imported materials have been required. This consisted of 31 tons of condenser tubes, 100 tons of transformer bushings, 50 tons of insulating materials and 19 tons of miscellaneous items.

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9. Supplies

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Electrical Division

Monthly Progress Report

Position at 1 April 1945.

No.			South Italy	Central Italy	North Italy
1	Nameplate capacity of generating plant restored to service during April 1945	kW	9.6	41.28	-
2	Output capacity expected from above plant during May 1945	kW	9.6	39.00	-
3	Maximum load carried to date	kW	173.5	117.0	-
4	Present average weekly units being generated Kwh/h		14.5	16.81	-
5	System load factor	%	75 %	79 %	-
6	Percentage of units generated by Hydro Plants	%	95 %	90 %	-
7	Length of transmission line restored in service during April 1945 (30 KV and above)	Km.	213	352.5	-
8	Approximate number of civilian labour directly employed on Electrical Rehabilitation Work	No.	940	3,965	-

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	Generating plant restored to service during April 1945	kw	0.6	41.28	-
2	Output capacity expected from above plant during May 1945	kw	0.6	39.00	-
3	Maximum load carried to date	kw	175.3 @	117.0	-
4	Present average weekly units being generated kwx10⁶		19.3 @	18.81	-
5	System load factor	%	75 % @	79 %	-
6	Percentage of units generated by hydro plants	%	95 % @	90 %	-
7	Length of transmission line restored in service during April 1945 (30 kV and above)	Km.	213	352.5	-
8	Approximate number of civilian labour directly engaged on Electrical rehabilitation Work	No.	950 @	3,965	-

@ Southern Italy generation for April estimated. March figures used.

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Electrical Division

Summary of Report on Progress of Rehabilitation of Electrical Generating Stations and Transmission Systems in Peninsular Italy, as at 30 April 1945

GENERATING STATIONS

No.		South Italy kW	Central Italy kW	North Italy kW
1	Nameplate capacity of Generating Stations 31st December 1941	479.1	579.7	4,683.3
2	Nameplate capacity available at time of occupation	172.4	105.5	-
3	Actual output available at time of occupation	111.8	51.8	-
4	Nameplate capacity available at 30 April 1945	277.0	264.50	-
5	Actual output available at 30 April 1945 (Note: Southern Italy generation estimated March figures used)	174.7	198.2	-

TRANSMISSION SYSTEM

No.	(30 KV and above)	Km.	Km.	Km.
1	Length of transmission line in operation 31 December 1941	4,493	9,409	25,000

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2	Nameplate capacity available at time of occupation	176.4	105.6	-
3	Actual output available at time of occupation	111.8	51.8	-
4	Nameplate capacity available at 30 April 1945	277.0	264.60	-
5	Actual output available at 30 April 1945 (Note: Southern Italy generation estimated March figures used)	174.7	198.2	-

TRANSMISSION SYSTEM

No.	(30 KV and above)	Km.	Km.	Km.
1	Length of transmission line in operation 31 December 1941	4,493	9,409	25,000
2	Length of transmission line available at time of occupation	1,393	829	-
3	Length of transmission line in operation at 30 April 1945	3,409	4,118	-

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Electrical Division

Estimate of additional generating plant expected to come into operation for the six months ending 31st October 1945.

(Nameplate capacity)

Name of Station and Number of Unit	Location	YEAR 1945					
		May 31st	June 30th	July 31st	Aug. 31st	Sept. 30th	Oct. 31st
		MW	MW	MW	MW	MW	MW
Acquarie No.2	S.R.E.	4.0					
Cupreso No.2	"		5.5				
Fontecupa	"			3.0			
Pontefiume	"			3.4			
Castelmadama	A.C.E.A.		3.0				
Mandela	"				3.0		
Galleone	"					6.0	
Cerpen				6.0			
Vencartello			3.0				
Colleto No.1	TERNI		24.4				
Colleto No.2	"				36.4		
Avvatino	S.A.E.	4.2					
Lato				5.2			
Castelnuovo Garfagnana	V.[illegible]			2.4			
Sestalone	"			1.42			
Operando	"			4.4			
Line No. 2	"	1.5					
Fiat della Rocca No. 2	"	[illegible]					

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and Number of Unit	Location	May 31st	June 30th	July 31st	Aug. 31th	Sept. 30th	Oct. 31st
		MW	MW	MW	MW	MW	MW
Acquoria No.2	S.F.E.	4.0					
Cepreno No.2	"		5.5				
Fontecupa	"			3.0			
Fontelimone	"			3.4			
Castelmadama	A.C.E.A.		5.0				
Mandela	"				3.0		
Salisano	"					8.0	
Cercasa				8.6			
Vannarteglio			3.0				
Galleto No.4	TERNI		34.4				
Galleto No.2	"				34.4		
Aventino	S.A.E.	4.2					
Iato				5.2			
Castelnuovo Carfagnana	VALDARNO			2.4			
Sestaione	"			1.42			
Sperando	"			2.4			
Lima No. 2	"	1.5					
Fiera della Rocca No. 2	"	11.0					
Monthly Increase		20.7	47.9	28.62	37.4	8.0	

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REGIONAL REPORTS

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Reports submitted by the Regional Engineers are briefly summarized in the following pages :-

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Umbria-Marche	14
Toscana	14
Emilia	16
Piemonte-Liguria-Lombardia-Venezia	17

The number, cost, and status of all projects in the several regions are included in the Summary tables on page.

NAPLES COMMUNE - (Mr. H.H. Townsend)

Public Works

Street maintenance almost normal in the city area, on the outskirts maintenance mediocre. Reconstruction of 7 buildings has been completed and 52 works are in an advanced stage. Removal of debris continues. In congested areas of Naples (port area etc.) sidewalks are almost clear for pedestrians. The sewerage system of Naples is being carefully surveyed by our technical staff. New projects have been drawn up to clear the water front of the city of Naples, of sewage matter and garbage.

The large reservoir of Capodimonte is being repaired. In the pump-house at Volturo the work is almost completed. The pump-house of Chiaiano will go into operation shortly.

While passenger transportation is becoming normal available transport for materials is getting worse. We are trying to furnish public utilities under our jurisdiction with salvaged army tires.

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Emilia 16

Piemonte-Liguria-Lombardia-Venezia . . . 17

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While passenger transportation is becoming normal available transport for materials is getting worse. We are trying to furnish public utilities under our jurisdication with salvaged army tires.

Electricity and Gas

The electrical situation is improved and the city of Naples has been illuminated. Trolley-cars almost working to their full efficiency. Suburb tramways have commenced to operate. Industrial plants are begining to be supplied with electricity. Passenger-elevators in buildings are being

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connected, with priority to public buildings, doctors etc. As far as electrical supply conditions are concerned the outlook is good.

The medium daily production of Gas has been raised to a maximum of 124000 M3. Reconstruction work continues on Gas distribution and was extended on April 10 to Capodimonte area. On April 30 another large zone of Naples will be furnished with gas. The inspection to the pipe lines is in progress in order to supply the suburban zones (Vesuvian Communes) and Cristallini (Naples).

UMBRIA-MARCHE - (Regional Engineer : Lt.Col. C.A. LATIMER,C.E.)

Public Works and Utilities

There has been no change in road priorities in the area during the period of this report.

The maintenance of roads in Umbria is practically confined to military roads as there is a great network of them and a shortage of materials & transport.

The Avezzano-Sora Rd (N° 82) is reported in the final stages and will be completed in May. All essential work is completed now and the rest is purely a question of parapets and cleaning up.

Several projects for public buildings in the Marche have been cancelled due to the fact that they had been held without further action by the Genio Civile and did not receive consideration.

A materials division has been set up in the Engineer Section which has been doing considerable work in getting brick-kilns back into operation in order to have materials for the construction programme. This section has assisted where possible by furnishing on loan or outright to the Supply Section certain quantities of cement and other materials for the purpose of assisting industrial plants and other work of Industrial Rehabilitation.

Transport remains a problem throughout the area. Some tires have been received for the Genio Civile and contractors working in this area. Ancona and Pesaro need much more in the way of transportation to make the reconstruction program

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Transport remains a problem throughout the area. Some tires have been received for the Genio Civile and contractors working in this area. Ancona and Pesaro need much more in the way of transportation to make the reconstruction program successful.

TOSCANA - (Regional Engineer - Lt.Col. F.S.L. Lee, R.E.)

Public Works and Utilities

Due to change of station by many Army Engineering Units, additional responsibilities were required from both the Genio Civile and maintenance contractors. The above mentioned Army movements required Special Genio Civile in particular to

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expand its operations on the State Road system. Demands and requests from Army sources became exceedingly heavy, not only was this true from the expansion and extension of Army Routes, but demands and requests were made that contractors on the older and better organized sections of Highways increase their forces, and supply more equipment. Pressure has been exerted in this direction, until, at the present time, all contractors on State Routes either own or have access to rollers.

Of the 14 larger bridge projects in this Region's Section of 1 District all but one now have contractors working on the project.

Throughout the eastern part of the Region we have been handicapped for cement, and transport.

As the armies move forward more work is being undertaken in the northern areas of the Region, particularly in Pistoia, Lucca and Pisa. Sewage and water supply are the chief items to date.

So far as flood control is concerned the worst danger is past and the more important drainage canals largely attended to, there is still an enormous amount of work to be done. Much is due to the fact that no maintainance had been carried out for over a year in most Benifica areas which only aggravated war damage. It is of the utmost importance from agricultural and health points of view that everything possible should be done to rehabilitate these areas.

Electricity and Gas

The rationing system is working well in the majority of the towns and military representatives are co-operating with A.M.G. officers to ensure that the best possible use is made of the available power. Steps are being taken to allocate power during certain hours to work water pumps for agricultural irrigation.

It has been found that the economical distribution of allocated power has, in some cases, loaded transformers to a high level and the following action has been taken.

At Tavarnuzze the 132 KV - 30,000 KVA transformer is expected to be in operation on about the 20th of May.

The 6,000 Kvatic condenser battery is expected to be operating on the 5th of May.

The Empoli area has been permanently switched over to P.B.S. system.

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It has been found that the economical distribution of allocated power has, in some cases, loaded transformers to a high level and the following action has been taken.

At Tavarnuzze the 120 KV - 20,000 KVA transformer is expected to be in operation on about the 20th of May.

The 6,000 kvatic condenser battery is expected to be operating on the 5th of May.

The Empoli area has been permanently switched over to P.B.S. system.

On the 2nd of April the Maremmana Co. net was switched to the Larderello - Castelnuovo output.

Valdarno Electric Company has guaranteed that all customers who have not been authorized by the E.R.B. have been disconnected. Approx. 52 customers have been inspected, of which 13 have been found violating electricity regulations.

The situation of the gas supply in Florence is as follows :-

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a. Natural

Metano gas for Florence can now be supplied at the rate of 12,500 cubic meters per day of which about 7,150 c.m. per day is the average consumption. Approx. 277 vehicles are equipped to burn metano gas at a rate of about 1,320 cubic meters per day. The Metano Company is assembling another compressor at Pietrenale and is also drilling other wells in the mine fields at Pietrenale.

b. Artificial

An average of 60,100 c.m. of gas per day has been produced for about 35,000 customers; the average consumption per consumer per month is 51,6 c.m. The coal situation continues to be critical. It was not possible till now to increase the production of lignite gas owing to the bad quality of the lignite the gas works has on hand.

EMILIA - (Regional Engineer - Lt.Col. W.M. SPANN)

Public Works and Utilities

8th Army relinquished its control of Highway 16 from Cattolina (south boundary) to Ferrara (River Po) and route 9 from Rimini to Bologna. 67 CRE is in charge of the area under District 1 and has requested that we take over maintenance of these roads as rapidly as possible, putting them under Centoniori system of control. No instructions have yet been issued covering highways for the part of the Region in 5th Army territory.

a. Water supply investigation was made at Lugo and report submitted to the S.C.A.C. covering the situation. Projects for repairs to water systems were initiated at Ravenna, Brisighella, Savignano, Predappio, S. Arcangelo, Tredozio and Rimini. The water supply situation in the newly occupied areas is fairly good, except where there is an electric pump station where the power supply in cut off. Wells and artesian water supply seem adequate to fill emergency until repairs can be made or supplemental equipment installed.

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b. Artificial

An average of 60,100 c.m. of gas per day has been produced for about 35,000 customers; the average consumption per consumer per month is 51.6 c.m.
The coal situation continues to be critical.
It was not possible till now to increase the production of lignite gas owing to the bad quality of the lignite the gas works has on hand.

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Public Works and Utilities

8th Army relinquished its control of Highway 16 from Cattolina (south boundary) to Ferrara (River Po) and route 9 from Rimini to Bologna. 67 CRE is in charge of the area under District 1 and has requested that we take over maintenance of these roads as rapidly as possible, putting them under Cantonieri system of control. No instructions have yet been issued covering highways for the part of the Region in 5th Army territory.

a. Water supply investigation was made at Lugo and report submitted to the S.C.A.O. covering the situation.
Projects for repairs to water systems were initiated at Ravenna, Brisighella, Savignano, Predappio, S. Arcangelo, Tredozio and Rimini.
The water supply situation in the newly occupied areas is fairly good, except where there is an electric pump station where the power supply in cut off.
Wells and artesian water supply seem adequate to fill emergency until repairs can be made or supplemental equipment installed.

b. Sewer repairs were started at Rimini, Forli and Ravenna. The situation at Rimini is especially bad and repair work is being expedited.

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c. Drainage and Flood control

1. General. All of the area flooded by the Germans near and South of Ravenna (45.000 acres) is now dry. Some work remains to be done, however, for agricultural production and malaria control.
The most urgent work remaining is the removal of one pump from Tagliata and transporting to Pignone Foundry Florence for repair or for measurement and construction of a new pump.

Some trucks have been located and we are trying to find ways and means of securing gasoline and oil for the contractors to use on operations.

The personal transportation set up is desperate from our point of view, as outlined in the report to the S.C.A.O. 8th Army. With only 2 cars available, both of which have been in the repair shop frequently with consequent delays, make it a slow job getting field work done by 5 officers, each of which must operate independently if he is to be responsible for the accomplishment of his assignment.

Electricity

Preliminary indications point to a larger supply of electricity from northern areas than was anticipated. Military operations are just concluded at this writing, but tram cars are operating in Piacenza and lights and power are available in Parma, Reggio, Modena and Bologna.

Investigations are under way for a complete report at an early date.

Superficial investigation indicated that the large steam plant at Piacenza was badly damaged. It is located at the Po river crossing for railways and the highway in the vicinity of the rail yards, so that bomb damage from air raids was considerable.

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Planning, organisation of staff etc. preparatory to entering Regions.

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L.A. JENNY,
Colonel, C.E.,
Director.

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

10 April 1945

MONTHLY REPORT - MARCH

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- Central Italy Area
- Allied Control Commission (Italy)
- Italian Advisory Council
- Electrical Reconstruction Committee
- Northern Office of Military Government for Italy
- Control Section
- Liaison
- Area Commands
- Headquarters, Allied Commission
- Constabulary
- Civil Affairs Detachments
- Military Government Detachments
- Regional Commissioners
- Provincial Commissioners
- Public Safety Officers
- Economic Subcommittee
- Displaced Persons Subcommittee
- Public Health Subcommittee
- Public Works Subcommittee
- Industry Subcommittee
- Food and Agriculture Subcommittee
- Finance Subcommittee
- Transportation Subcommittee
- Communications Subcommittee
- Petroleum Subcommittee
- Coal Subcommittee
- Manpower Subcommittee
- Rehabilitation Committee
- Legal Subcommittee
- Displaced Persons Subcommittee
- Economic

3. Transport and Construction Equipment

Many items of imported road machinery were received during the month including asphalt kettles, rock crushers, air compressors, concrete mixers one asphalt mixing plant, and 30 second hand 3 ton trucks. Unfortunately a most important item - 170 dump trucks - previously requisitioned was cancelled by AFHQ. The overall transport problem remains critical.

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ELECTRICAL DIVISION

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10	Rates	6
11	Supplies	6

1. Master Control Central Italy Grid

Successful operation of the Master Control Center continued during March.

Daily frequency and voltage readings continue to improve as added experience is gained by the employees of the control center and of the separate generating stations.

2. Italian Advisory Committees

Regular meetings of the Advisory Committees on Electric Power were held in Sardinia, Sicily, Southern Italy and Central Italy. The Southern Italy Advisory Committee recommended certain movement of plant and transformers and this was endorsed by the Electrical Reconstruction Committee, a Military body. This is an interesting point and demonstrates the cooperation as between the civilian and military organizations.

The Central Italy Advisory Committee recommended that [illegible] and transformation be standardized.

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7 Power Allocation 5

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The Central Italy Advisory Committee recommended that high voltage transmission and transformation be standardized. This recommendation was made to the Ministry of Public Works. Such standardization will result in the reduction of necessary imports.

All the Advisory Committees stressed the urgent need for improved transport facilities and tires for existing vehicles.

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It has been decided in conjunction with the Ministry of Public Works to postpone the formation of a National Advisory Committee until the liberation of Northern Italy.

3. Electrical Reconstruction Committee.

The fifth meeting of the Electrical Reconstruction Committee was held on 20 March. The progress of rehabilitation is practically limited by the repair factory capacity available in Italy. The Committee decided that Allied Commission will initiate any further requisitions for portable electric units which may be considered necessary for civilian use in Northern Italy.

4. Northern Offices, Florence.

Activities of the Advanced Section, Electrical Division, included liaison with military authorities following production of repair parts in local shops and foundries and assisting the Valdarno electric company in rehabilitation problems. Repairs at the Leghorn steam plant are under way through the cooperation of the British Royal Navy. Repairs at the Piombino steam plant are proceeding according to schedule. Work at the Larderello plant has been placed under the jurisdiction of Tuscan Region. Plans have been made for the rehabilitation of two additional units at Larderello.

5. Construction Teams, Forward Areas.

Electric reconstruction teams to assist in the rehabilitation of electric facilities in Northern Italy have been organized, and will work under the direction of this Headquarters. These teams will function as soon after liberation as possible, and central direction will provide an integral program of reconstruction on a national basis.

The officers assigned to the teams are now supervising projects in Central Italy.

6. Estimated Electrical Requirements - Northern Italy.

Conferences were held at which the electric situation in enemy occupied territory was discussed. Representatives of the Food Agriculture, Industry, and Transportation Sub-Commissions prepared estimates of the power requirements and location of high priority electric consumers in the northern regions.

7. Power Allocation.

At the monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board, members were informed that additional power would be available about 10th April and allocations were made on this basis. In Southern and Central Italy the military demands have now been satisfied and any further supplies which may be restored will be available for civilian

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of repair parts in the Naples area. Repairs to the Valdarno electric company in rehabilitation problems. Repairs at the Leghorn steam plant are under way through the cooperation of the British Royal Navy. Repairs at the Piombino steam plant are proceeding according to schedule. Work at the Larderello plant has been placed under the jurisdiction of Tuscan Region. Plans have been made for the rehabilitation of two additional units at Larderello.

5. Construction Terms, Forward Areas.

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A memorandum has been circulated to all Sub-Commissions and military services informing them as to the procedure to be adopted in connection with applications for supply of electricity for civilian purposes in Italian Government Territory.

8. Generation

Following complete rehabilitation a 12,000 KW Unit was placed in operation at the Castelnuovo-Larderello natural steam station.

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A 1,500 KW unit at the Lima station was reactivated. This plant serves the Pisa Lucca Area.

Also, several small stations of local importance were repaired in Abruzzi-Marche.

9. Transmission:

109 Kilometers of transmission line were rehabilitated during the month, as contrasted with 200 for February. Two factors caused the decrease: a) most of the important lines in Central Italy, which had been badly damaged, have now been repaired and b) a scarcity of transportation in the Valdarno area.

In the Rome - Terni - Foligno area, the present state of the transmission lines is near the pre-war condition.

The biggest task of transmission rehabilitation remaining concerns the Italian State Railway transmission lines. This work is under way, based on plans made by the Transportation Increment Military Railway Service in cooperation with this Sub-Commission.

At Presto a 5000 KVA synchronous condenser went into operation, further improving voltage conditions in the Florence area. -

10. Utility Rates

Procedure remains as outlined in the January and February reports, with the exception that in Italian Government territory final action is taken by the Interministerial Price Committee (Italian). Copies of decisions are forwarded to the Sub-Commission for information only, and are not commented upon.

Applications of three utilities in AMG territory were analyzed and passed to the Price Group Economic Section for action.

The Price Group - Economic Section approved the following surcharges:

Societa' Elettrica Maremmana	40%
Forze Idrauliche dell' Appenino Centrale	40%
Societa' Italiana per il Gas (Florence)	60%

Official notification to the above companies of the final action of the Price Group has been withheld by the Economic Section pending approval by the SCAO and 5th Army.

11. Supplies: -

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area.

In the area - Terni - Foligno area, the present state of the transmission lines is near the pre-war condition.

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Applications of three utilities in AMG territory were analysed and passed to the Price Group Economic Section for action.

The Price Group - Economic Section approved the following surcharges:

Societa' Elettrica Appennino	400%
Forze Idraulione dell' Appenino Centrale	400%
Societa' Italiana per il Gas (Florence)	600%

Official notification to the above companies of the final action of the Price Group has been withheld by the Economic Section pending approval by the SCAO AMG 5th Army.

11. Supplies: -

During March all demands for rehabilitation work were met, but not without difficulty due to the shortage of materials from local resources, and it was necessary on a number of occasions to appeal to Ordnance or Engineer channels.

Items in short supply were cement, oxygen, acetylene, insulating materials and water piping.

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The following materials were included in the larger demands supplied: -

Cement	1500 Tons
Steel work	150 "
Bricks	200 "
Tiles	175 "

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PUBLIC WORKS DIVISION

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7	Summary of Projects - Tables "A" & "B". .	11 & 12

1. Inspections.

Special inspections were made by Engineer Officers of this Headquarters covering the following Routes of Military Priority:

Routes 3 and 75	- Rome to Perugia
Route 3	- Perugia to Fano
Route 16	- Fano to Ricci ne and Rimini
Route 9	- Rimini to Forli
Route 67	- Forli to Florence
Route 67	- Florence to Leghorn
Route 1	- Rome to Leghorn
Route 6	- Rome to Caserta
Route 7	- Rome to Caserta
Routes 7 and 90	- Caserta to Foggia
Route 76	- Fiesole to Ancona

Visits were also made to Regional Engineers' offices in Southern, Lazio-Umbria, Abruzzi-Marche, Toscana and Emilia Regions. The Chief of the Public Works Division made a six day inspection trip during which time visits were made to Perugia, Ricci one, Rimini, Forli, Florence and Leghorn, and conferences were held with A. C. Liaison (Roads), 1 District, and Regional Engineers of Emilia and Toscana and Engineer Officer P. B. S.

2. Port Reconstruction:

Requests were received from Naval Officer in Charge of Works for certain information regarding reconstruction requirements

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7 Summary of Projects - Tables "A" & "B". . 11 & 12

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2. Port Reconstruction:

Requests were received from Naval Officer in Charge of Works for certain information regarding reconstruction requirements at the ports of Piombino, Civitavecchia, S. Stefano, Piombino, Leghorn and Viareggio. Regional Engineers concerned, with the assistance of Genio Civile Port Engineers, are securing the information and a full report will be made in the near future.

Reconstruction activities at the Port of Civitavecchia proceeded very satisfactorily during the month. The first phase objective was to effect repairs to the extent that 3000 tons per day could be handled at the Port. This objective has now been attained and further rehabilitation is progressing. Work has been hampered somewhat by delays in cement allocations and deliveries but corrective action is being taken.

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3. Housing

Approximately 220 committees have started work (in various Communes) on Housing Repairs; over 12 000 projects, of which more than 6,000 have already been completed, have been started to date. Work initiated to date amounts to 1,100 million lire.

The Housing Decrees and particularly the Local Committees does appear to be working well and despite initial difficulties Decrees are functioning even in forward AMG Areas.

The new Town of Cassino was dedicated with appropriate ceremonies, on 19 March with Officials of Allied Governments, Italian Government and Allied Commission attending.

Progress of housing repairs through the Month of February is shown on attached table (see Page 12 Table "B".

4. Transport and Construction Equipment.

Many items of imported road machinery arrived during the month including asphalt kettles, rock crushers, air compressors, concrete mixers and one asphalt mixing plant. These items have been allocated to operating projects of military priority and in most cases are now in operation. Thirty used 3 ton trucks were received but cancellation has been made by AFHQ of an all important item of 170 Dump trucks. The overall transport problem remains critical. No additional tires were received for use by Italian civilian contractors.

5. Withdrawal from Italian Government Territory.

By the end of the month all Officers had been reassigned to forward Regions with the following exceptions:

(a) 1 American Civilian Public Works Officer - Naples Commune.

(b) 1 Area Officer - Attached to HQ of Chief Engineer 3 District as Liaison Officer, Military Highways.

(c) 1 Ports Officer - Assigned on temporary basis to port of Civitavecchia to direct reconstruction activities until his services are required in his forward Region.

All civil functions of officers withdrawn have now been handed back to Italian representatives and responsibilities in connection with Military Works have been assumed by either Peninsular Base Section or Chief Engineer of Military District No. 3.

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6. Highways - General

On 19 March a revised schedule of AFHQ road priorities was received. Few changes in previous schedules were contemplated and/or emergency repairs are in progress. For many months particular stress has been placed on AFHQ routes to expedite removal of Bailey bridges by permanent construction. This program is well advanced and except for a few major structures in forward areas removals have been effected.

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The overall bridge reconstruction program was accelerated considerably during the month by improved weather conditions and by more adequate supplies of materials. (See attached tables for progress to date).

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7. The following tables show, under three main classifications the present aggregate volume of Public Works throughout liberated Italy (excluding the Island of Sardinia).

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PUBLIC WORKS PROJECTS IN MARCH (TABLE "A")

TYPE	Initiated during Month	COST (Lire)	Completed during Month	COST (Lire)	In Progress during Month
Schemes of Military Priority					
TABLE A					
Roads	86	196,771,518	17	80,017,070	133
Bridges & Retaining Walls	57	80,911,372	58	43,575,971	196
TOTAL	143	277,683,090	105	123,593,041	329
Schemes other than of Military Priority (but for which approval of AC/AMG was required)					
TABLE B					
Roads	74	53,535,000	107	17,006,247	158
Bridges & Retaining Walls	95	90,723,922	61	39,198,574	339
Public Buildings, Schools, etc.	59	37,669,923	20	4,098,418	260
Debris Removal & Misc.	47	11,133,616	43	18,135,720	259
Water Works, Sewers & Flood Control	86	80,112,625	25	9,433,110	227
Hotels	6	5,557,229	18	13,635,500	122
TOTAL	367	289,769,750	272	132,107,569	1,349
Schemes handled independently by Italian Agency					
TABLE C					
Roads	136	54,937,218	40	17,271,543	270
Bridges & Retaining Walls	59	14,362,612	37	16,978,095	208
Public Buildings, Schools, etc.	198	159,157,852	118	48,312,227	351
Debris Removal & Misc.	129	73,122,807	65	32,916,441	216
Water Works, Sewers & Flood Control	25	12,712,389	31	11,278,604	109
Hotels	119	79,116,238	35	6,194,411	177
TOTAL	676	393,654,116	326	132,953,323	1,371
G.A.'s TOTAL	1,196	961,011,964	703	388,654,033	3,049

Bridges Completed 28 Feb 1,004
Bridges completed during Mar 156
Total bridges completed to date 1,160

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PUBLIC WORKS PROJECTS IN ITALY (TABLE "A")

	COST (Lire)	Completed during Month	COST (Lire)	In progress during Month	COST (Lire)
Schemes of Military Priority					
	196,771,318	17	80,017,070	133	275,032,900
	80,811,372	58	42,275,771	196	324,710,312
	277,583,090	105	123,293,041	329	629,743,212
Other than of Military Priority (but for which approval of AC/AIG was required)					
	58,535,000	107	47,008,247	158	287,117,722
	29,795,392	61	32,498,574	393	106,956,540
	37,609,925	20	4,098,118	260	225,401,361
	41,153,616	49	18,455,790	259	179,137,388
			9,433,110	227	258,710,240
	68,112,625	23	13,635,500	122	259,035,238
	5,351,200	18	132,107,669	1,319	1,716,354,189
	289,769,758	272			
Schemes handled independently by Italian Agency					
	54,937,218	40	17,271,543	270	107,140,974
	14,582,612	37	16,978,025	208	77,632,484
	158,157,052	118	48,312,227	391	271,874,991
	73,122,807	65	32,918,441	215	184,190,318
			11,278,604	102	55,074,244
	12,712,369	31	6,194,113	177	79,939,111
	79,146,228	35	132,953,329	1,371	771,859,122
	393,659,116	326	300,654,033	3,049	3,117,956,523
	961,011,964	703			

Bridges completed 28 Feb 1,024
Bridges completed during Mar 156
Total bridges completed to date 1,180

SUMMARY REPORT OF PROGRESS OF HOUSING RIGHTS — TABLE "A"

Provinces of: Avellino - Avellino - Bari - Benevento - Brindisi - Cagliari - Caltanissetta - Campobasso - Catania - Catanzaro - Chieti - Cosenza - Enna - Foggia - Frosinone - L'Aquila - Lecce - Littoria - Matera - Messina - Napoli - Nuoro - Palermo - Pescara - Potenza - Ragusa - Reggio Calabria - Rieti - Roma - Salerno - Siracusa - Taranto - Teramo - Trapani - Viterbo - (1).

THIS REPORT CONTAINS DATA OF 28 FEBRUARY 1945

	1 Started before Feb.	2 Started during Feb.	3 Total Col. 1 & 2	4 Approx. cost (1,000 lire)	5 Completed by 28 Feb 1945	6 Balance under 4; 3 less 5
Projects done by the Germans :						
up to 50.000 Lire	2,216	1,012	3,228	114,364	2,185	1,770
from 50.000 to 150.000 Lire	1,311	246	1,560	160,114	723	937
from 150.000 to 300.000 Lire	435	170	605	131,614	143	462
from 300.000 to 1.000.000 Lire	192	73	265	117,960	44	221
over 1.000.000 L.	85	11	96	66,378	5	91
TOTAL	5,242	1,612	6,854	649,380	3,103	3,751
Projects done by Servizio Civile :						
up to 50.000 Lire	3,395	31	3.557	8.799	2,144	1.373
from 50,000 to 150,000 Lire	873	246	1.119	97.574	283	836
from 150,000 to 300,000 Lire	300	165	465	81,713	74	391
from 300,000 to 1,000,000 Lire	163	93	256	136,581	43	213
over 1,000,000 L.	23	8	31	51,112	-	31
TOTAL	4,954	794	5,748	476,109	2,564	2,764
GRAND TOTAL	9,766	2,406	12,172	1,075,429	5,987	6,285

COMMITTEES

	Preceding total	Total this month	New total
Working Committees	-	188	188
Advisory Committees	-	21	21
Communes as yet requiring Committees	-	218	218

(1) Intera and Lecce Report no appreciable change.- Messina Report not yet received. Imperia included in the Naples Report.

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from 30,000 to 150,000 lire	1,314	346	1,660	160,124	72	932
from 150,000 to 300,000 lire	435	170	605	131,816	143	462
from 300,000 to 1,000,000 lire	192	73	265	217,960	44	221
over 1,000,000 L.	45	21	66	66,316	5	71
TOTAL	5,248	1,612	6,860	610,320	3,105	3,421
Projects carried by Cassa Civile :						
up to 30,000 lire	3,485	344	3,829	78,799	2,144	1,383
from 30,000 to 150,000 lire	873	246	1,119	97,574	263	836
from 150,000 to 300,000 lire	300	165	465	81,715	114	291
from 300,000 to 1,000,000 lire	165	93	258	136,581	43	213
over 1,000,000 L.	29	6	35	51,442	-	51
TOTAL	4,854	794	5,648	446,109	2,564	2,764
GRAND TOTAL	9,868	2,406	12,172	2,073,429	5,937	6,185

COMMITTEES

	Preceding total	Total this month	New total
Working Committees	-	188	188
Advisory Committees	-	21	21
Communes as yet requiring Committees	-	216	216

(1) Latera and Lecce Report no appreciable damage.- Sassari Report not yet received.
Caserta included in the Naples Report.

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REGIONAL REPORTS

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The number, cost, and status of all projects in the several regions are included in the Summary tables in pages 11 and 12.

SOUTHERN REGION - (Regional Engineer: Maj. Gen. F. Chamberlin, F.A.)

1. General -

Preparations made to discontinue the Region and hand over the Military Highway Program to the Military District.

NAPLES, AVELLINO, BENEVENTO, SALERNO.

Retaining of electricity continues; situation better. Maintenance being carried out in Caserta, Avellino, Benevento and Salerno areas. Water situation normal. Gas extended to other zones, situation normal.

ANCONA

Inspection tours have been more extensive and visits were made to Teramo, Orsia, Manduria, Lecce, Gallatina, Brindisi and Potenza Via Route 7. Potenza office has been closed and employees discharged. Preparations have been made for the hand over of more offices to C. R. E.

LAZIO-UMBRIA - (Regional Eng. Lt. Col. G. de C. H. Findlay, V. C., M. C., A. E.)

1. General

" 5th Army. 15
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The number, cost, and status of all projects in the several regions are included in the Summary tables on pages 11 and 12.

CAMPANIA REGION - (Regional Engineer: Maj. Gen. F. Chamberlin, F.A.)

1. General -

Preparations made to discontinue the Regional and hand over the Military Highway Program to the Military District:

NAPLES, AVELLINO, BENEVENTO, SALERNO.

Retaining of electricity continues; situation better. Maintenance being carried out in Caserta, Avellino, Benevento and Salerno areas. Water situation normal. Gas extended to other zones, situation normal.

BARI

Inspection tours have been more extensive and visits were made to: Taranto, Oria, Manduria, Lecce, Galatina, Brindisi and Potenza Via Route 7. Potenza office has been closed and employees discharged. Preparations have been made for the hand over of Bari office to C. R. L.

LAZIO-UMBRIA - (Regional Eng. Lt. Col. G. de C. L. Findlay, V. C., M. C., A. E.)

1. General

In accordance with Directive 24 February 1945 initiation of work ceased on 16 March and Region deactivated on 31 March.

Regional activities passed to the following authorities:

(a) All projects - Umbria - Regional Eng. Marche-Abruzzi.

(b) Public Works - Lazio (Provinces) - Genio Civile.

(c) Min. Removal - Ministero Lavori Guerra & Genio Civile.

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(d) Civitavecchia Harbour - to HQ. AC P.W.& U. S/C

(e) Rom. City Military Roads & Water Supply-104 CMM

(f) Electrical Section - Italian Civilian Committees.

(g) Military Highways - C. E. 3 District & PBS.

Work delayed by shortage of transport and shortage or lack of supplies: mainly tires, cement bitumen, brick.

Numerous inspection trips made to various projects.

2. Public Works

Excellent progress on Harbour project at Civitavecchia.

3. Housing

New housing for 5000 people in progress and should be completed within 60 days.

Unfortunate delay to housing program caused by:

(a) Refusal of AMG Finance Section to finance works involving private homes.

(b) Insufficiency of original decree.

(c) Delay in securing Italian Governmental approval.

4. Bonifiche

Work on the original Bonifiche projects, Pontina and Littoria, largely completed with the result that the flooded areas have been reduced from a total of 13,300 hectares to 3000 hectares.

ABRUZZI-MARCHE (Regional Engineer: Lt. Col. C. A. Latimer, C.E.)

1. General

Report covers period 16 February to 15 March. Effective 16 March this region included Umbria. Arrangements made to transfer headquarters to Perugia.

2. Highways

Considerable work necessary on Highways damaged by heavy military traffic. Repairs largely dependent on securing materials.

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2. Public Works

Excellent progress on Harbor project at Civitavecchia.

3. Housing

New housing for 5000 people in progress and should be completed within 60 days.

Unfortunate delay to housing program caused by:

(a) Refusal of AMG Finance Section to finance works involving private homes.

(b) Insufficiency of original decree.

(c) Delay in securing Italian Governmental approval.

4. Bonifiche

Work on the original Bonifiche projects, Fenting and Littoria, largely completed with the result that the flooded areas have been reduced from a total of 13,300 hectares to 3000 hectares.

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1. General

Report covers period 16 February to 15 March. Effective 16 March this region included Umbria. Arrangements made to transfer headquarters to Perugia.

2. Highways

Considerable work necessary on Highways caused by heavy military traffic. Repairs largely dependent on securing materials.

3. Electrical

Situation greatly improved as result of allocation of 3500 KW from Terni. Repair of 30 KV transmission lines completed between Ancona, Fano and Pesaro.

Repairs to Ste. Caterine station completed and 400/500 KW (Direct Current) available for operation of Porto S. Giorgio-Amendola Railway.

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TOSCANA - (Regional Engineer - Lt. C.I. F. S. L. Lee, R.E.)

1. General

Value of projects initiated during month exceed 167 million lire. Shortage of materials, particularly cement and brick.

2. Public Works

Temporary water supply piped into Prato from Certesa spring, satisfactory progress on restoration of the Diretissima aqueduct in competition with MAS. Projects include other water systems, sewers hospitals and schools.

3. Roads & Bridges

Sixty bridge projects initiated and 27 completed.

4. Electricity

Voltage and Frequency fairly constant. Additional power available, and changes in rationing system have permitted the supply of service to many small industries in Florence.

5. Gas - (Florence)

Gas supply now averages 6500 cubic meters of natural and 5100 cubic meters of artificial gas which are mixed and supplied to 35,000 consumers.

Plans are under way to install pipe lines on the Carraia bridge to furnish service south of the Arno.

EIGHTH ARMY AMG) (Regional Engineer - Lt. Col. W. M. Spann)
EMILIA REGION)

1. General

Shortage of supplies and transport have handicapped and delayed scheduled progress of the various projects.

2. Roads & Bridges.

Plans, estimates and specifications being prepared in offices of Genio Civile. On projects where transport and materials not available for maintenance and repair, work is confined to clearing drainage ditches and filling surface holes.

3. Housing

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3. Roads & Bridges

Sixty bridge projects initiated and 27 completed.

4. Electricity

Voltage and Frequency fairly constant. Additional power available, and changes in rationing system have permitted the supply of service to many small industries in Florence.

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Plans are under way to install pipe lines on the Carraia bridge to furnish service south of the Arno.

EIGHTH ARMY AMG) (Regional Engineer - Lt. Col. W. M. Spann)
PUGLIA REGION)

1. General

Shortage of supplies and transport have handicapped and delayed scheduled progress of the various projects.

2. Roads & Bridges.

Plans, estimates and specifications being prepared in offices of Genio Civile. On projects where transport and materials not available for maintenance and repair, work is confined to clearing drainage ditches and filling surface holes.

3. Housing

Work under the housing decrees of the Italian Government is proceeding in Forli Province. Projects for repairs to public building on a major scale held up pending availability of materials.

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AMG - 5th ARMY - (Engineer Officer Maj. D. M. Geither, C. E.)

1. Pistois aqueduct completed and ample supply of water assured.

2. Total cement ev ilable during month amounted to only 90 tons received from Army which was immediately allocated to various projects.

3. Electric power from Lima generating station permitted resumption of industrial plant at Lucca. Numerous industries in Pistoia-Lucca area will commence operation when power becomes available in April.

Piemonte-Liguria	Regional Engineer -	Col. C. R. Birchett, C. E.
Lombardia	" "	Col. C. P. Bolick, F. A.
Venezia	" "	Maj. W. Knight, M. C.

Planning continued.

E. J. Kesteat.

E. J. KESTEDT,
Colonel, C. E.
A/Director

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Switzerland in April.

Piemonte-Liguria	Regional Engineer	-	Col. C. R. Birchett, C. E.
Lombardia	"	"	Col. C. F. Bolick, F. A.
Venezia	"	"	Maj. W. Knight, M. C.

Planning continued.

E. J. KUSTEDT,
Colonel, C. E.
A/Director

Declassified E.O. 12356 Section 3.3/NND No. 785019

Col Thompson

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

10 March 1945

MONTHLY REPORT - FEBRUARY

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S U M M A R Y

Electrical Division

1. Central Italy Grid - Electrical service was greatly improved as a result of the successful operation of the "Central Italy Grid". Florence, most distant large city from the main centres of generation, reports that voltage, during period of maximum demand, has been increased by approximately 20%.

2. Advisory Committees - Italian Advisory Committees on Electric Power are now functioning in Central and Southern Italy. During February, Committees were organized in Sicily and Sardinia. The next development will be formation of a National Committee composed of representatives of the various regional groups.

3. Canterno Generating Station - The Canterno Generating Station of 10,000 KW capacity, was completed and connected to the transmission network. Construction of this plant was commenced prior to the war, and suspended in 1943. During German occupation employees of the company buried parts of machinery at various places, and after liberation this equipment was salvaged, and construction resumed.

4. Utility Rates - From December 1943 to January 1945 the Sub-Commission had final authority in regard to Utility (Water, Gas and Electricity) Rates. The procedure has been changed, and we are relieved of the major responsibility.

5. Gas System - Florence - Operation of the Florence Gas System was resumed on 18th February. The gas now supplied is a mixture of natural gas, piped to Florence from Pietramala (near Futa Pass) and gas manufactured from imported coal, local lignite, and olive husks.

Public Works Division

6. Withdrawal of Officers - Arrangements were completed for withdrawal of AC Officers from the Southern Region, and transfer of their Military Highways responsibilities to representatives of the Military District. The Chief Engineer of the District estimated that the one AC Officer in each of the six Sub-Areas will be replaced by :

    1 - Roads Officer
    1 - Foreman of Works
    1 - Non-Commissioned Officer
    1 - or 2 Civilian Clerks

Financing and final approval of all Military Highway work remains the responsibility of the Sub-Commission.

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Financing and final approval of all Military Highway work remains the responsibility of the Sub-Commission.

7. Construction Equipment - Certain items of highway construction equipment have been received, and are being assembled. An adequate staff of Italian operators and maintenance personnel, to function under the Ministry of Public Works, is being organized to use this equipment. When sufficient items become available to equip complete construction units, an immediate up-trend in efficiency is anticipated.

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8. Lack of Transport - The effectiveness of the entire reconstruction programme is seriously hampered by shortage of transport, and there is a progressive decline in the number of vehicles available in operating condition.

9. Projects

The status of all Public Works projects in February is :

	Total Number	Cost Lire
Projects initiated during month	1474	1,202,818,275
" completed " "	513	416,717,552
" in progress " "	2484	2,635,877,483

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Projects initiated during month		1474	1,302,818,275
" completed	" "	513	416,717,552
" in progress	" "	2114	2,635,877,483

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PERSONNEL

Total officer strength is 78, distributed as follows:-

Headquarters	11
Public Works Division	46
Electrical Division	21

Included in the above are 9 officers assigned to Austria, 7 in the Public Works, and 2 in the Electrical Division.

Personnel changes during the month were as follows:-

2 - Officers transferred (including the Deputy Director (B) now in the United Kingdom)

3 - Officers assigned.

These changes are included in the preceding summary.

Other personnel include 5 EM/ORs and one civilian stenographer (A).

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Division.

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[illegible] DIVISION

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1. Master Control Centre - Central Italy

The "Central Italy Electric Grid ", with a master control centre located in Rome, has been described in detail in previous monthly reports. Successful operation of the plan has resulted in greatly improved frequency and voltage conditions throughout transmission and distribution networks.

2. Advisory Committees on Electric Power.

The Italian Advisory Committees on Electric Power for Central and Southern Italy are now functioning, and regular monthly meetings, at which recommendations are made and submitted to the Ministry, are being held. The Chief of the Electrical Division is temporary Chairman of each of these Committees, but it is anticipated that A.C. officers will withdraw entirely at a very early date, depending upon progress made by these Committees in rehabilitation planning.

During the month the Chief of the Electrical Division and a representative of the Italian Ministry of Public Works

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During the month the Chief of the Electrical Division and a representative of the Italian Ministry of Public Works visited Sardinia and Sicily. Committees were formed to advise on the electric power situation in each of these islands. Satisfactory meetings of the newly formed committees were held, and the minutes will be circulated.

It is now proposed to proceed to the further stage of forming a National Committee which will be constituted of members selected from each of the Regional Committees plus some additional experts who are now being chosen.

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It should be noted that the Advisory Committees on Electric Power are of a technical nature and will be used by the Ministry to advise on all matters connected with electricity supply.

One of the many functions which the Regional Committees will deal with is that of advising the Ministry, A.C. and the Military in case of strikes or unrest which may cause interruption to electricity supplies.

One important factor should be stressed in connection with the formation of these Committees and that is that the plan has been received by the Italians with considerable enthusiasm and the members on the Islands feel that by having a representative on the National Committee, they will, for the first time, have a voice in national planning affecting their islands.

3. Electrical Reconstruction Committee.

The monthly meeting of the Electrical Reconstruction Committee was held on 20 February when the Electrical Division Submitted its report on progress of electrical rehabilitation throughout Italy. The Committee expressed satisfaction at the improvement in frequency and voltage due to the interconnection of the Central Italy grid system, now operating under Master Control.

4. Northern Office - Florence

The advance office of the Electrical Section maintains close contact with the rehabilitation programme in the northern section of Liberated Italy.

Close liaison has been established with military units and with the Electrical Companies which supply service in this area. Particular attention is given to expediting the long range rehabilitation programmes of the Selt-Valdarno and Larderello Companies.

By agreement with the Industry Sub-Commission efforts are being made to assist in the rehabilitation of industrial establishments whose products are essential to the electrical

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5. Power Allocation

Representatives of the Electrical Division attended the monthly meeting of the Electric Power Committee of the Allied Forces Local Resources Board. The present demand for electricity from the Central Italy grid did not allow of any further allocations for the month of March. The Committee were informed that additional generating capacity would be available during April.

Some additional demands were allowed for Southern Italy, and as the effect of seasonal loads will make available additional capacity, it is anticipated that further high priority loads can be approved during April.

6. Generation

Available capacity in Southern Italy decreased by 11,650 KW due to decreases in stream flow.

Generating capacity available in Central Italy in February was increased by 17,307 KW over and above the preceeding month. This included a new station at Centerno that was only partially completed when this territory was liberated and is the first new station activated under Allied supervision. The plant has a total capacity of 10,000 KW. It is not designed for continuous operation, but will be used during "peak load" periods to supply power to the Central Italy Grid. The station was officially dedicated by the Minister of Public Works and the Director of this Sub-Commission on 25 February. Construction of the Centerno Station was started before the war, but work was suspended in 1943. The machinery was buried at scattered points by representatives of the Company during the German occupation and construction was resumed after liberation.

7. Transmission

Rehabilitation of the transmission system included completion of the following :-

43	Km.	150,000 Volt line
5	"	120,000 " "
130	"	60,000 " "
22	"	30,000 " "

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be approved during April.

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Rehabilitation of the transmission system included completion of the following :-

43	Km.	150,000 Volt line
5	"	120,000 " "
130	"	60,000 " "
22	"	30,000 " "
TOTAL 200	Km.	

Repairs were completed, and a 5,000 KVA synchronous condenser placed in service at the Tor di Quinto substation (North Rome). Operation of this machine results in improved Power Factor and voltage regulation on the Central Italy Grid.

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8. Financing of War Damage to Electric Systems.

Decree N°397 dated 15 November 1944 appropriated 500,000,000.= lire to be loaned to Electric Utility Companies for financing repairs to war damaged properties. Additional legislation was enacted on 3 January 1945 which established the following specific allocations :-

- Lazio

Azienda Comunale Elettricity ed Acque.....	L.	45,000,000.=
Società Romana di Elettricità	"	90,000,000.=
Società "Terni" per l'Industria e l'Elettricità	"	120,000,000.=

- Campania

Ente Autonomo Volturno	"	25,000,000.=
Società Meridionale di Elettricità	"	95,000,000.=
Società Elettrica della Campania	"	35,000,000.=

- Abruzzi

Società Unione Esercizi Elettrici	"	45,000,000.=
TOTAL	L.	455,000,000.=

The above allocations leave only 45,000,000.= lire of the original appropriation. The Government is now considering a new appropriation of one billion lire, and suggestions as to the specific allocation of this sum have already been made.

9. Utility Rates.

The existing procedure relative to rate adjustments was reviewed in the January report. This Sub-Commission no longer makes the final decision as to rates in AMG territory, or consults with the Ministry of Public Works relative to rates in Italian Government territory. Recommendations are now made to the Price Group of the Economic Section. The first specific recommendations of this Sub-Commission to the Price Group were rejected by a 4-3 vote pending the receipt of additional information which Utility Companies must furnish, but which is practically identical to that which this Sub-Commission has required since January 1944

Under present procedure this Sub-Commission cannot be

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Under present procedure this Sub-Commission cannot be held responsible if any company in AMG territory is forced to cease operations because of lack of revenue.

A new Decree on Utility Rate procedure has been under consideration for some time. It is hoped that, when passed, it will simplify the present clumsy and unsatisfactory procedure both on the Italian as well as A.C. side.

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10. Supplies

Demands for supplies and material in connection with electrical rehabilitation continue to be heavy and varied, but all requirements for February were met.

Several demands have had to be passed to Economic Section for import, owing to the fact that the material required no longer exists in Liberated Italy.

Bricks and tiles are becoming scarce but it is hoped to supply electricity to the brick kilns so that production can recommence.

The supply of coal to the Rome Power Stations was maintained during February and a reserve is being accumulated.

Approximate amounts of materials supplied during the month were :-

Cement	1,500	Tons
Bricks and tiles	200	"
Steel work	250	"
Transformer oil	150	"
Conductor	20	"
Piping	6	"

Numerous small incidental Items

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recommence.

The supply of coal to the Rome Power Stations was maintained during February and a reserve is being accumulated.

Approximate amounts of materials supplied during the month were :-

Cement	1,500	Tons
Bricks and tiles	200	"
Steel work	250	"
Transformer oil	150	"
Conductor	20	"
Piping	6	"

Numerous small incidental Items

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PUBLIC WORKS DIVISION

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1. Withdrawal of A.C. Officers from Southern Region.

Two meetings were held with the Chief Engineer of No. 3 District. The first one was attended by the Director of the Sub-Commission and the Chief of the P.W. Division, and the latter by the Chief of the P.W. Division.

As a result of these discussions arrangements were made for the coming withdrawal of all A.C. Engineer Officers from Southern Region and the transfer of their Military Highway responsibilities to representatives of the Military District. The organization and supervision of the field work will be handled by the Sub-Areas of the District along similar lines to the present A.C. system with general supervision and control being exercised by the Office of the Chief Engineer. At the request of the Chief Engineer, one A.C. Officer will be attached to District H.Q. in an advisory capacity and as Liaison Officer with this Sub-Commission. Financing and final approval of all Military Highway work will remain the responsibility of this Sub-Commission. It was interesting to note that the Chief

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1. Withdrawal of A.C. Officers from Southern Region.

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As a result of these discussions arrangements were made for the coming withdrawal of all A.C. Engineer Officers from Southern Region and the transfer of their Military Highway responsibilities to representatives of the Military District. The organization and supervision of the field work will be handled by the Sub-Areas of the District along similar lines to the present A.C. system with general supervision and control being exercised by the Office of the Chief Engineer. At the request of the Chief Engineer, one A.C. Officer will be attached to District H.Q. in an advisory capacity and as Liaison Officer with this Sub-Commission. Financing and final approval of all Military Highway work will remain the responsibility of this Sub-Commission. It was interesting to note that the Chief Engineer, in preparing for the taking over of field duties from A.C., estimated that the following personnel would be required in each Sub-Area to replace the one A.C. Engineer Officer:-

1 Roads Officer
1 Foreman of Works
1 Non Commissioned Officer
1 or 2 civilian clerks.

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More than a year ago this Sub-Commission, at the request of AFHQ, assumed the direction of Military Highway reconstruction in Southern Areas in order to release Military Units for vital work in other Areas. These new plans now represent a complete reversal of that trend. Many of the Highways are still of military significance, therefore, due to the cessation of A.C. Activities in Southern Areas, the various military Units must again assume certain responsibilities which they had so willingly delegated to this Sub-Commission.

2. Inspections.

Special inspections were made by Engineer Officers of this H.Q. covering the following Routes :-

Route 1. Rome to Genzano
Route 2. Rome to Orvieto
Route 3. Rome to Foligno
Route 4. Rome to Rieti
Route 6. Rome to Caserta
Route 7. Rome to Caserta
Route 18. Naples to Battipaglia
Route 19. Battipaglia to Cosenza
Route 79. Terni to Orvieto
Route 77. Foligno to Macerata
Route 16. Ancona to Pescara
Route 17. Pescara to Aquila

Visits were also made to Regional Engineers' Offices in Abruzzi-Marche, Southern and Lazio-Umbria Regions.

3. Airfield Roads - Foggia.

Requests were received from the Air Force Command for assistance in repairs and maintenance of approximately 125 miles of roads in the Foggia Area which are necessary as access roads to various airfields. As the major part of this mileage is of

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3. Airfield Roads - Foggia.

Requests were received from the Air Force Command for assistance in repairs and maintenance of approximately 125 miles of roads in the Foggia Area which are necessary as access roads to various Airfields. As the major part of this mileage is of unpaved waterbound macadam type of surface, extreme difficulty has been encountered in maintenance under heavy traffic. An Officer of the H.Q. staff was dispatched to Foggia to investigate the situation and to organize available civilian facilities to ensure proper maintenance. Every effort will be made to place this situation under control before it becomes necessary to withdraw all A.C. Officers from the Area.

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4. Highway Construction Equipment.

Last month's report stated that certain items of the construction equipment had been made available. These items have now been taken over and are being assembled for use. Mr. F.O. Griffith, American Civilian, has been placed in charge of all equipment and under his direction an Italian organization is being set-up under the Ministry of Public Works. An adequate staff of operators and maintenance men will be trained and assigned on a permanent basis.

Advice has just been received that additional items are enroute and will be available in the near future, arriving at various ports, including graders, air compressors and bitumen sprayers. When sufficient items have been received to organize complete construction units, an immediate up-trend in efficiency and results may be expected.

5. Port Reconstruction.

No new work was undertaken during the month. The major rehabilitation program at Civitavecchia progressed in a satisfactory manner, with increased efficiency, as necessary equipment arrived. All required equipment and materials are now on job site and completion on schedule can be expected.

6. Transport.

The desperate situation with regards to transport which was outlined in last month's report remains unchanged except for a progressive decline in the number of vehicles available in operating condition. The 100 tires and tubes which were received during the month made it possible to place a few vehicles back on the road, but due to general depreciation of trucks and automobiles, no net gain resulted. The effectiveness of the entire reconstruction program is limited by the amount of available transport and the current inadequacy is reflected in exorbitant unit prices and production tie-ups. This critical situation applies not only to contractors and Genio Civile but also to Regional Engineers, Field Engineers and Headquarters Officers whose effectiveness have been considerably reduced by inadequate or inefficient transport.

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7. Forestry Roads - Calabria

An urgent request was received from H.Q. 3 District and from A.F.H.Q. for assistance in repairing roads in Calabria which were required by Military Units in timbering activities. A Public Works Officer of H.Q. was sent to the Area to make an investigation. It developed that the roads in question are unpaved mountain roads with very poor alignment and grades, and not designed for heavy traffic. Civilian contractors were placed to work immediately on roads and bridges. Our Officer is now in the Calabria Area inspecting these roads in company with the Chief Engineer of 3 Military District.

8. Clothing Allotment.

A substantial allotment of salvaged clothing has been received and turned over to the Ministry of Public Works for issue to workmen on highways and utilities. Cantonieri employed by Genio Civile and contractor's employees working on sewers, foundations, and bitumen surfacing will be given priority in the initial issues as their need is deemed most critical.

9. Housing.

During February, the Ministry issued to its officers and other officials (throughout liberated Italy) a number of circulars containing instructions detailing the operations of the Housing Decrees promulgated in January 1945. They also posted large Proclamations in all devastated Communes; these informed the public in simple language concerning the Housing Decrees.

Unofficial preliminary reports indicate that the public, and the officials, are enthusiastic about the prospects of some early relief.

The preliminary reports indicate that well over one hundred Communes have already organized Committees, and begun repair projects. Considering that this information comes from only a very few provinces, it is probable that a great many more Committees may have already been organized throughout liberated Italy. For example: of 13 Committees required to handle all the

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The officials of the Public Works Ministry express themselves as highly gratified with the results so far obtained, and their actions indicate that they are aggressively pushing this Housing Repair program.

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The Minister has also promulgated a number of other Decrees which should result in the quick repair of existing damaged "Case Popolari" (large non-profit apartment houses) and the planning and erection of many new such buildings.

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Definite arrangements were made by the P.W. Ministry to erect a new town at Cassino, the major devastated portion of which is to become a National Monument. Dedication of this new town has been set for March 15, 1945.

The Public Works Ministry is following a dual program whose purposes are to increase the output of their required building construction materials, and to promote proper allocation and distribution at controlled prices.

To this end they are working (through Committees formed for that purpose) with the Ministry of Industry, Commerce and Labor, and with all appropriate Sub-Commissions of the Allied Commission; to date however, very little improvement over previous conditions has been achieved.

Movements of finished construction materials from factory to building sites have improved only very slightly, and output of many factories is seriously hampered by lack of electric energy. Transport, although improved, still presents a very serious problem.

10. Volume and Value of Public Works.

The following tables have been prepared to show, under three main classifications, the present aggregate volume of Public Works throughout liberated Italy (excluding the Island of Sardinia).

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Summary of Public Works Projects in February *

TYPE	Initiated during Month	COST (Lire)	Completed during Month	COST (Lire)	In progress during
TABLE A — SCHEDULE OF MILITARY PRIORITY					
Roads	100	12,335,720	38	65,630,245	
Bridges	60	115,469,782	74	67,117,880	
TOTAL	160	297,805,573	112	132,718,125	
TABLE B — SCHEDULE OTHER THAN OF MILITARY PRIORITY (NOT FOR MINOR APPROVALS OF AC/AG BAR FOR					
Roads	143	61,226,227	13	7,842,000	
Bridges	134	136,299,689	56	37,353,923	
Public Buildings, Schools, etc.	40	60,608,368	18	33,089,950	
Debris Removal	68	47,562,290	31	19,945,600	
Water Works, Sewers, & Flood Control	68	56,061,858	20	11,944,948	
Housing	21	11,631,500	2	515,000	
TOTAL	577	406,890,082	140	109,734,421	1,1
TABLE C — SCHEDULE HANDLED THEREUNDER BY ITALIAN AGENCY					
Roads	104	19,906,728	56	17,631,771	
Bridges	93	15,259,246	108	29,957,115	
Public Buildings Schools, etc.	331	136,289,466	91	85,070,621	1
Debris Removal & Misc.	68	20,193,361	77	31,460,053	1
Water Works, Sewers, & Flood Control	81	21,983,273	17	7,541,680	
Housing	60	24,489,847	12	2,570,166	1
TOTAL	737	298,122,621	361	174,235,006	8
GRAND TOTAL	1,474	1,002,818,275	613	416,717,552	2,4

Bridges Completed 31 Jan - 786
Bridges Completed during Feb. - 238
Total bridges completed to date - 1,024

* Regions include
-Marche, Lazio

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Summary of Public Works Projects in February *

Initiated during Month	C O S T (Lire)	Completed during Month	C O S T (Lire)	In Progress during month	C O S T (Lire)
		SQUADS OF MILITARY FIDELITY			
100	12,335,720	38	65,230,245	160	221,344,673
60	115,468,782	74	67,217,880	196	272,716,683
160	297,805,572	112	132,718,125	356	570,091,356
		CLASSES OTHER THAN OF MILITARY FIDELITY (BUT FOR WHICH APPROVALS OF AC/AUG WAS REQUIRED)			
113	61,226,297	13	7,943,000	161	275,232,771
134	196,799,689	56	36,353,923	264	282,307,891
140	60,608,348	18	33,099,950	246	209,589,521
68	47,262,290	31	19,945,600	210	156,510,137
68	56,061,858	20	11,944,948	204	213,733,716
24	44,631,500	2	515,000	92	207,534,738
577	406,890,082	140	109,734,421	1,180	1,385,138,804
		SQUADS MODIFIED INELIGIBLE BY ITALIAN AGENCY			
104	19,206,728	56	17,631,771	91	84,688,320
93	15,239,946	108	22,957,415	82	47,967,198
331	136,289,466	91	85,070,621	239	385,995,418
68	20,193,361	77	21,460,053	181	69,621,520
81	21,983,273	17	7,544,680	40	32,981,414
60	24,489,817	12	2,570,466	155	59,320,423
737	298,122,621	361	174,235,006	888	680,617,323
1,474	1,002,818,275	613	416,717,552	2,424	2,635,877,483

Bridges Completed 31 Jan - 786
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Total bridges completed to date - 1.024

* Regions included: Emilia, Toscana, Abruzzi-Marche, Lazio-Umbria, Southern & Sicily.

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A.M.G. 8th Army & Emilia	"	21
A.M.G. 5th Army	"	23
Piemonte, Liguria, Lombardia & Venezia	"	24

The number, cost and status of all projects in the several Regions are included in the "Summary-Public Works Projects in February " on page 15.

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SICILIA REGION - (Regional Engineer: Major D.A. BOYD, R.E.)

1. General

All the larger cities were visited and the officials informed of the new decrees relative to housing. Local committees are being formed to handle these projects.

Lack of transport continues critical.

2. Electricity - Water - Gas.

Production and distribution of electricity are satisfactory.

Water service is normal.

There is no gas service, due entirely to the fact that no coal has been allocated for this service.

SOUTHERN REGION - (Regional Engineer: Major W.P. CHAMBERLIN)

1. General

Progress on Military Highways has been complicated due to closing of field offices at Catanzaro, Caserta, and Salerno.

2. Electrical

Repairs to the 18000 KW. unit at Crecchiella are progressing satisfactorily, and this unit should be in operation before the first of April.

Electricity continues to be rationed for civilian uses.

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LAZIO-UMBRIA REGION - (Regional Engineer:
Lt.Col. G. de C.B. FINDLAY, V.C.,M.C.,R.E.)

1. General

Work delayed by shortage of transport, and shortage, or lack of, supplies; mainly tires, cement, bitumen.

Numerous inspection trips were made, including projects involving roads, harbour improvement, sewers, drainage, and miscellaneous construction.

2. Public Works

Harbour improvements are proceeding at Fiumicino and Civitavecchia. Thirty seven small craft have been raised at Fiumicino.

3. Housing

Progress at Formia, Castelforte, Terracina and Cisterna is satisfactory.

4. Bonifiche

Eighteen million lire project at Pontina completed. Work progressing on three pumping plants; eight have been completed. Twenty three million lire project at Litteria well advanced, thirty three temporary wooden bridges 75 % completed, and rehabilitation of pumping station commenced.

5. Electrical and Mechanical Section

Provincial civilian committees to handle rationing of electricity have been organized in all provinces.

6. Gas

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5. Electrical and Mechanical Section

Provincial civilian committees to handle rationing of electricity have been organized in all provinces.

6. Gas

The coal allotment to the Rome gas works has been increased from 150 to 300 tons per day. This will permit continuous operation, with consumption rationed to consumers. The present coal allocation enables the Gas company to produce approximately fifty per cent of the products manufactured prior to the war.

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7. Mine Clearance

561 Company collected 368 mines during the month, increasing the total number to 2038.

Under civil contracts 1124 mines were removed increasing the total to 5944.

ABRUZZI-MARCHE REGION - (Regional Engineer: Lt.Col.C.A.LATIMER, C.E.)

1. General

The road to Avezzano-Aquila was opened on 7 Feb, and closed the following day by snow drifts. It was reopened on the 9th and has remained open since that date.

The Pescara-Aquila-Antrodoco has been cleared of snow and is open to traffic. One thousand men were employed on this project for the greater part of a week.

Progress limited due to lack of transport.

2. Public Works - Housing.

Housing projects initiated in Ancona have made litte progress because of lack of materials. Some progress has been made in Abruzzi, and public building construction is underway throughout the region.

3. Electrical.

Reconstruction work continues at Pescara III, IV and Aventino.

Breakdowns occurred at Carassai and Tolentino.

Repairs on the 450 KVA generating unit at Macerata are completed and the 295 KVA set will soon be ready for service.

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Breakdowns occurred at Carassai and Tolentino.

Repairs on the 450 KVA generating unit at Macerata are completed and the 295 KVA set will soon be ready for service.

The 30000 Volt transmission line from Ancona to Fano has been extended and completed to Pesaro. The line from Terni to Ancona is completed.

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TOSCANA REGION - (Regional Engineer: Lt.Col. P.S.L. LEE, R.E.)

1. General

At the request of the City of Florence, A.M.G. organized a competition among local architects and engineers for the design of a bridge over the Arno River. This bridge is to replace the Ponte alla Vittoria, destroyed by enemy action. Forty three entries, including complete designs, were submitted to the Local Committee appointed to judge the competition. This excellent response is a concrete testimonial to the civic spirit of the people of Florence.

With the cooperation of 5th Army and 1 District factories producing cement, lime and bricks, have been reactivated.

2. Roads and Bridges

(a) The piers of the Ponte alla Carraia are completed. Designs have been received, and bids opened, for the Ponte S. Nicolò (Ponte di Ferro). Both of these bridges span the Arno at Florence.

(b) An extensive program of bridge reconstruction has been planned, and actual construction will start as soon as danger of seasonal flooding is past.

3. Public Works

Work in progress, or in the planning stage, includes:

(a) The Prato aqueduct.
(b) Flood Control Works of Val di Chiana.
(c) Rehabilitation of University Buildings at Pisa.
(d) Harbour repairs at Piombino, Porto S.Stefano and Porto Ercole.
(e) Miscellaneous school buildings.

4. Electricity

The Voltage and Frequency conditions were greatly improved as the result of operation of the Central Italy Grid System. Voltage during peak hours increased by as much as 20%.

A new electric rationing-plan has been adopted in Florence. As a result of 95 investigations, eight consumers with a total electrical load of 190 KW. have been disconnected for violations of rationing regulations.

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5. Gas

On 18 February 1945 Brigadier General Erskine Hume, G-5, 5th Army, officially turned on the gas supply for the City of Florence.

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The Gas plant and distribution system were severely damaged by war, and the resumption of service is the result of five months effort by the Gas Company, 5th Army, and A.M.G.

The gas presently supplied consists of a product manufactured from imported coal, local lignite, and olive husks. Mixed with this, is natural gas piped to Florence from the fields at Pietramala. The natural gas is also compressed into cylinders and used as fuel for vehicles.

EIGHTH ARMY A.M.G.
EMILIA REGION } - (Regional Engineer: Lt.Col. W.M. SPANN)

1. General

Specialist officers assigned to Emilia Region also operate in 8th Army territory. Important activities include:

(a) Bridge construction and Road maintenance on Route 71, San Marino Road West of Rimini, Cesena Rimini road, and miscellaneous important civilian roads.

(b) Repairs to water system at Tredozio (Forlì Province).

(c) Reconstruction and rehabilitation of dykes, pumping stations and drainage systems East and South of Ravenna.

It is estimated that approximately 700 bridges were destroyed by enemy action in Ravenna and Forlì Provinces, and one hundred of these will have to be repaired, or reconstructed, to provide supply routes to centers of populations.

2. Roads and Bridges

Progress on work under contract during the month was unsatisfactory due to bad weather, transport difficulties, and shortages of essential materials.

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2. Roads and Bridges

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3. Public Works - Utilities - Housing - Drainage.

Civilian Housing committees have been formed at Rimini and are functioning smoothly. Revisions are being made in plans to house 20,000 homeless people.

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Approximately 60% of the streets in Rimini have been cleared of debris.

Plans and estimates for repairs to water and sewer systems at Rimini submitted. Repairs to Water systems at S.Sofia, Tredozio and Forli completed.

Good progress has been made in drainage of flooded areas South and East of Ravenna. The following table summarizes data on 5 pumping stations:-

BONIFICA DATA 27 Feb. 45

Name of Area	Pumping Station	HECTARES				Pumps functioning	When Pumps started
		Size Area	Area under pump	Area flooded	Remaining flooded area		
Arla-Savio	Madonna del Pino Tagliato	27500	3000	4000	1000	yes	15 Dec.44
Fosso Chiaia	Fosso Chiaia	19000	6000	12000	2000	yes	30 Jan 45 1st 10 Feb 45 2nd 25 Feb 45 3rd
III Basin & Porto Fuori	III Basin Fagoli S.Vitale Rasponi	21000	100 250 800 1200	2350	1000	yes yes yes no	20 Dec 44 10 Feb 45 15 Feb 45 --------

The Madonna del Pino station will also be used to de-water the Cervia salt beds.

Major breaks in River banks have been repaired, and obstructions to stream flow caused by destroyed Railway and Highway bridges cleared by 8th Army Engineers.

All breaks in canal banks have been permanently or temporarily

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All breaks in canal banks have been permanently or temporarily repaired.

4. Electricity

The electric supply in Forlì and Ravenna is controlled by 8th Army Engineers who exercise technical supervision over plant

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operation, and ration the meager supply available.

Seven plants with a combined capacity of 1840 KW. are in operation, but of this total only 380 KW are connected to the transmission grid. The total supply available is approximately 25% of the installed pre-war capacity; however, this figure is not an accurate measure of the power shortage, because normally a majority of the electric supply in this area was furnished to the transmission net work from large plants north of Venice, and from the Terni group.

On 19th Feb. the 30,000 Volt line from Ancona to Rimini was energized. This line supplies a maximum of 200 KW.

Because of the extreme shortage of electricity, power is available only to Military priority projects.

A.M.G. - 5th ARMY - (Engineer Officer: Major D.M. GAITHER)

1. General

One hundred and seventy tons of cement released by the PBS was shipped to Lucca for use in bridge construction.

2. Electrical

In cooperation with PBS and 5th Army units, work is progressing on the generating plant at La Lima. 1500 KW. will soon be available, and 500 KW. will be allotted to AMG. This allocation will be used to activate textile and brick establishments in Lucca, and shoe factories in the vicinity of Monsummano.

An additional allocation of power made it possible to de-water flooded lands near Viareggio. The land is now ploughed and planting is in progress.

3. Public Works

The Piteccio Aqueduct supplementing the Pistoia Water

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3. Public Works

The Piteccio Aqueduct supplementing the Pistoia Water supply was completed on 21 February.

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PIEMONTE)
) - (Regional Engineer: Lt.Col.C.R.BIRCHETT, C.E.)
LIGURIA)

LOMBARDIA - (Regional Engineer: Lt.Col.C.P. BOLICK)

VENEZIA - (Regional Engineer: Major W. KNIGHT, M.C.)

Planning continues.

L.A. JENNY,
Colonel, C.E.,
Director.

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HEADQUARTERS ALLIED COMMISSION
AFO 394
Public Works and Utilities Sub-Commission

14 Feb. 1945

SUMMARY OF ACTIVITIES DURING JANUARY 1945

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HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

14 Feb. 1945

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1. Minister of Public Works.

Frequent meetings with the Minister (Signor Ruini) throughout the month of January resulted in establishing a degree of co-operation, between the Sub-Commission and the Ministry, that had probably not been reached during the whole of 1944, nor back to the late autumn of 1943. Signor Ruini proves to be a fortunate choice for the responsibilities of his high office, so far as this Sub-Commission can judge; and his qualities of drive, tact, and ability, coupled with a long experience in public administration, justify the hope that he will be permitted to remain in office for a long period. He is the fourth holder of the office in little more than twelve months, and under these circumstances it was manifestly impossible to get continuity of policy and practice, such as the situation so urgently demands.

Personal contacts with him have recently been more frequent, and more productive of results, than any with his predecessors. The practice of maintaining precise records of each interview, and following these up with letters containing detailed requests or instructions, is being progressively discontinued. Greater reliance is placed on the discussions themselves and the taking of short notes as to decisions reached, either by the Minister himself or the chief official who usually accompanies him. Matters discussed with him in January covered things like utility rates, housing decrees, financing of projects, prompt provision of funds in various localities, special devastation reports, the holding of duplicate appointments by Genio Civile, payment to them of fees at times by contractors (a vicious system), and expenditure of the large dollar-credits made available last autumn to the Italian Government by the Government of the U.S.A.

The following extract from a letter from us dated

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The following extract from a letter from us dated 29th Jan. 1945 to the Economic Section, arising out of specific queries by Mr. MacMillan, indicates the improved present state of affairs:-

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" The present Minister of Public Works is very much more active, and agressive, than the previous Minister, and I am hopeful that some of our outstanding difficulties will be cleared before long. "

The letter went on to say that the Minister had taken urgent steps for more adequate and prompt payment of monies due to contractors. Another example was that he was giving urgent attention to the whole problem of increased engineering materials supplies, by concentration on the reactivation of brick-works, tile-works, and cement-producing plants.

2. Genio Civile (Irregularities).

Apart from the holding of different appointments by Genio Civile officials and the payment to them of special fees, referred to in the preceding paragraph, there were other matters demanding attention, such as the extremely high cost of works carried out in a part of Naples Province (Southern Region). Officers of the Sub-Commission had drawn attention to the matter repeatedly over a period of months and eventually, on instructions, the Ministry of Public Works carried out a special investigation. This resulted in a report that there were "no irregularities". Later circumstances led to the conclusion that this was, in all probability, an under-statement of the case, and in the middle of January Signor Ruini (the Minister) was personally asked to have the matter taken up again. The request made specific reference to one of the Genio Civile's senior engineering officials. By the end of the month we were advised that the official concerned would be replaced by another one and a thorough investigation would be made.

3. Organisational Change.

The transfer of an officer attached to the Electrical and Utilities Division of the Sub-Commission in January resulted

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3. Organisational Change.

The transfer of an officer attached to the Electrical and Utilities Division of the Sub-Commission in January resulted in a minor change in the subjects handled, as between that Division and the Public Works Division. To the latter (under Lt.Col. Thompson) was transferred responsibility for water works, sewerage, and land-drainage problems. The Electrical Division, having personnel specially qualified in mechanical matters, responsibility for pumping stations and their equipment to remain with that Division. It will also continue to deal with Company management problems, their finance, and with rate-increases and adjustments.

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4. Utility Companies (Rate Increases).

This matter is referred to in Para. 12 below (Electrical Division), i.e. as to the principles on which these are now decided. It has gone through a long evolutionary period of more than a year, in part on a system of trial and error, and increasingly conditioned by the assumption of more and more responsibility by the Italian Ministry. Details of the present system will be found in the paragraph referred to.

In the meantime a full statement of the position was furnished to the Economic Section (reference letter 220/PWU. 15th January 45), in reply to their special request. A very brief summary of information given in that letter is as follows:-

(i) Between November 1943 and January 1945 there were 55 original applications from private companies, viz. 36 electric, 9 gas, and 10 water. As surcharges are allowed only for relatively short periods the settlement of these becomes a periodical problem.

(ii) In the case of Electric Companies the majority of the increases allowed (charges to consumers) varied between 75 % and 200 %, with a single special case of an increase up to 350 %.

(iii) Increases to Gas Companies ranged from 200 % to 500 %, and in the case of Water Companies from 150 % to 300 %.

(iv) In one case (Acqua Pia Antica Marcia, Rome) an increase of only 35 % was approved; and has since been the subject of a protest by the Company and a request for further consideration. There have been several similar requests in the past from other companies and some readjustments were made.

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5. Personnel.

With a staff of officers assigned to the Sub-Commission between 70 and 80 in number, scattered all over Italy from Palermo to Florence, the arranging and re-arranging of postings and duties takes up a considerable proportion of time at H.Q. Sub-Commission in a normal month. In January, however, by reason of advance planning for another Theater of War, and for

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other parts of Italy, the work took up a quite disproportionate amount of time. Carefully prepared lists have to be revised, and again re-revised. It is recognized that this has been inevitable under circumstances of changing policy and a changing situation, but the fact deserves notice. It would not be an over-statement to say that in January, for example, the time of the Director and his Senior Officers was taken up to the extent of probably 20 or 25 %, solely on questions of personnel and postings, present and proposed.

6. Finance (Provision of Funds).

Delays in payments to contractors have been frequently referred to in these reports, consequent on failure to provide funds on the part of the Italian Ministry at the required place at the right time. Very numerous representations have been made both by correspondence and in interviews, with the strong support of the Finance Sub-Commission (Allied Commission). It is satisfactory to note that in January there was substantial improvement, a particular instance of which will be found in the January Report from the Regional Engineer Lazio-Umbria, attached herewith. In that Region numerous projects had been seriously slowed down, and though it is close to the City of Rome, the position had there been worse, for some unaccountable reason, than elsewhere.

7. Situation Reports (Weekly).

A weekly "Sitrep" is furnished to Economic Section. Some of the information covered in four such reports furnished in January is noted elsewhere in this report, but the following may be specially referred to :-

(i) On 8th January a conference was held at the Sub-Commission's H.Q. offices attended by all Regional Engineers and the heads of the two Divisions. Numerous operational

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(i) On 8th January a conference was held at the Sub-Commission's H.Q. offices attended by all Regional Engineers and the heads of the two Divisions. Numerous operational problems and policies were discussed, including matters of transport, personnel, materials supply, availability of constructional plant and equipment, housing, relations with the Armies (Engineer Directorates and Units), supplies of petrol and lubricants, and so on.

More than three months had elapsed since the previous similar meeting, and it was agreed by all concerned that this January meeting was particularly helpful.

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(ii) On Sunday, 17 January, the Chief of the Public Works Division, in company with representatives of other Sub-Commissions and of the Italian Ministry of Public Works, made a detailed inspection of the Port of Civitavecchia with a view to its urgent reconstruction on the lines of a special directive issued by A.F.H.Q.

(iii) There were further conferences in Rome about the Civitavecchia project, and on 16th of January there was a similar inspection at the port of Piombino, with a view to reconstruction there. By 24th Jan. an officer of the Sub-Commission had been moved to Civitavecchia to take control; materials, and particularly timber, were being received, and the Sub-Commission put in hand estimates regarding dredging operations required at Fiumicino, in addition to those at Civitavecchia and Piombino.

(iv) As to transport, it was reported on 24th of January that the tyre situation had become "exceedingly critical." Two of the larger and more active bridge contractors had stated that their works must stop, unless tyres for both trucks and cars were made available.

Towards the end of January The Sub-Commission stated that at least 900 tyres and tubes were necessary for vehicles operating exclusively on works of Military priority (Highways and Bridges and for Utility Companies,) and it is some satisfaction to state, at least, that 200 were finally made available. Nevertheless, this is only 22¼% of a positively minimum requirement, but it is a beginning towards resolving a situation that had become well-nigh intolerable.

(v) The "Sitrep" of 31st January noted that advice had been received that stocks of certain items of heavy plant and equipment, which had been on requisition for nearly one year, were available. Arrangements were made with Peninsular Base Section for the handing over of them to the Sub-Commission's control. Until further items were released, however, full use could not be made of some of the equipment. The initial release included no transport vehicles; the heavy trailers available were of little use until prime movers could be released; per

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8. Plant and Machinery for Italy (from U.S.A. and from Switzerland).

On request, the Sub-Commission received a considerable volume of information from the Swiss Minister in Rome regarding electrical plant and industrial machinery previously exported to Italy, from Switzerland. The industrial data was passed to the Industry Sub-Commission as a part of the liaison established with them for the rehabilitation of Italian industry. It is to be noted, in this connection, that in numerous cases when plant and machinery has been supplied of a particular type and make to certain industries, perhaps over a period of years, it becomes almost imperative to continue dealings with the same firms when spare parts are needed, or when repairs have to be carried out of major, or even minor, importance.

In connection with the floating power-plant (25,000 KW. capacity) requisitioned from the United States for service in Italy, probably to operate at one of the ports, a request was made to A.F.H.Q. (G-5 Section) on 12th January for the furnishing of a trained crew for its initial operation, in view of the fact that such qualified personnel is not likely to be available in Italy.

9. Position at Cassino.

Following an inspection of this devastated town and district at the end of December by Senior Officers of the Sub-Commission, it was pointed out to the Italian Authorities on the 6th of January (through the Regional Commissioner Lazio-Umbria) that contractors clearing debris from the streets and demolishing dangerous buildings were operating with very little protection or precaution against land-mines and other hidden explosives. The work was being done simply by "pick and shovel" methods and workmen had already been killed or injured. Proper precautions were necessary, and a first-aid post should be established in the town, since the nearest one was about fifteen miles away. Further, the posting of armed guards was required, both in the town and at the ruined Abbey on the top of the hill. Serious looting was occurring, particularly at night. The ruins of the Abbey contain manuscripts, books, and other relics of the greatest historic and sentimental value.

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Towards the end of January it was reported by the Genio Civile that they were immediately setting up a special office at Cassino, and the mines and explosive clearance problem was to be properly organised. The filling of shell-holes and bomb-craters in farmlands round the town was to be expedited, so as to minimize risk of malaria, with subsidies to farmers for doing the work. Clearance of debris was to be speeded up, as well as the thirty new experimental houses.

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The Minister had decided, following a special inspection of the City, that the greater part of it against the hillside will probably be left as it is for future generations to see, after its inherent dangers have been removed. Some parts of the lower town will be repaired, and the streets altered to fit into a new plan. On areas outside new quarters will be built, to compensate for the parts that are to be left " as a monument" .

When these new plans are prepared (on paper) they will be submitted to the Sub-Commission for comment or suggestion.

A further and equally important matter arose out of the inspection made at the end of December. Contractors at work were frequently discovering the remains of Allied dead in the streets and ruins, and there appeared to be no proper, or indeed decent, method of identification, record, and removal. These facts were reported to the Army Sub-Commission on 19th of January (through Economic Section) with a view to the immediate taking of proper measures for protection, identification, and burial.

10. Defascism.

Procedure has been changed in accordance with directive of the Civil Affairs Section dated 19 January. Fortnightly reports on progress are now made directly to this Sub-Commission by the Ministry of Public Works, instead of through the Epuration Commission.

A total of 358 cases have been examined by the Minister, and of these 160 were referred to the Epuration Commission. The Commission has reviewed 107 cases and removed 20 from office.

11. Miscellaneous.

(i) In January reports reached the Sub-Commission that certain elements in the Genio Civile were still placing responsibility on the Allied Commission (and by inference on this Sub-Commission) for the holding-up of schemes. They had

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(i) In January reports reached the Sub-Commission that certain elements in the Genio Civile were still placing responsibility on the Allied Commission (and by inference on this Sub-Commission) for the holding-up of schemes. They had been doing this for so long that it had "almost become a habit with them". Since 16th of November, however, such allegations were untrue, control over civil projects within Italian Government territory having been handed over completely. Economic Section were asked by the Sub-Commission to have a statement issued to the Press, in suitable terms, pointing out the real facts of the situation. Such a statement was given to the Press a few days ago.

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(ii) At Lardarello (Pisa Province) there is an undertaking producing electricity and many chemical by-products, using natural steam for power purposes. The Sub-Commission encountered considerable operational and other difficulties in connection with repairs and rehabilitation, as there were numerous political, financial, and other questions involved. The Minister of Communications (Italian Government) requested authority to appoint a Commissario to direct the affairs of the Company at the end of January. The proposal was strongly opposed by the Sub-Commission, but the request was forwarded to the Regional Commissioner of Toscane Region for comments. The Regional Commissioner supported the views of this Sub-Commission.

(iii) In addition to works being carried out in Sicily, at the instance of Allied Navies in various ports, there was a request from the Naval Officer, Northern Area (Mediterranean) for the reconstruction of a bridge over the Fossoreale at Leghorn. He was told that contracts would be placed without delay.

(iv) In Para. 1 (above) it was noted that the Minister was giving urgent attention to the whole problem of increased supplies of structural and engineering materials. There was a specific proposal from him in a letter in December, and early in January there were personal talks between his representative, the Industry Sub-Commission and its Mining Branch, and this Sub-Commission. This interchange of information was to the advantage of all concerned; the Transportation Sub-Commission also, of necessity, came into the matter. It is hoped that this will be increasingly productive of good results.

12. ELECTRICAL DIVISION.

(i) Master Control Centre - Central Italy Scheme.

The operation of the "Master" Control Centre was inaugurated on 20 January 1945. His Excellency Sr. Meuccio RUINI, Minister of Public Works, Italian Government, officiated at the ceremony. The Centre is in the A.C. (H.Q.) building on the 8th Floor (Office of this Sub-Commission).

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request from the Naval Officer, Northern Area (Mediterranean) for the reconstruction of a bridge over the Fossoreale at Leghorn. He was told that contracts would be placed without delay.

(iv) In Para. 1 (above) it was noted that the Minister was giving urgent attention to the whole problem of increased supplies of structural and engineering materials. There was a specific proposal from him in a letter in December, and early in January there were personal talks between his representative, the Industry Sub-Commission and its Mining Branch, and this Sub-Commission. This interchange of information was to the advantage of all concerned; the Transportation Sub-Commission also, of necessity, came into the matter. It is hoped that this will be increasingly productive of good results.

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Now operating under a single-unit control are the generating and transmission facilities of the following companies :-

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Società Romana di Elettricità

Azienda Comunale Elettricità ed Acque

"Terni" Società per l'Industria e l'Elettricità

Società Elettrica Selt-Valdarno

The Centre is responsible for, and gives instructions involving the following :-

(a) Load carried by each generating station connected to the Central Italy Electricity Grid System.

(b) Number of units of electricity to be generated by each station.

(c) Hours of operation of each station.

(d) Amount of reserve capacity to be carried at each station, whether in operation or standing-by.

(e) Opening and closing of all switches associated with the generating plants and high voltage grid systems.

(f) Issuing instructions to meet emergency conditions.

(g) Collection and tabulation of all data of maximum loads, units generated, switching instructions, and abnormal occurrences.

Other electrical systems in Central Italy will be brought into this central plan, at an early date.

(ii) Advisory Committee on Electric Power.

Another step in the progress of the power industry was developed in January. A Board known as the "Advisory Committee on Electric Power " for Central Italy was created and held its first meeting (offices of Electrical Division) on 1 February 1945. The Committee is composed of an official from each of the five major Electric Companies in Central Italy namely :

Società Romana di Elettricità

Azienda Comunale Elettricità ed Acque

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Unione Esercizi Elettrici

Società Elettrica Selt-Valdarno

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The temporary Chairman is Lt.Col. W.M. LAPPER - (Chief, Electrical Division) and the Vice Chairman is Eng. A. ASTA, Liaison Engineer of the Ministry of Public Works (Italian Government). The Secretary is Dr. Eng. P. BARLUZZI, employed by this Sub-Commission.

The functions of the Committee will be to :-

(a) Advise on the operations of the Master Control Station, which dispatches power on the newly-formed Central Italy Grid.

(b) Maintain close contact with the general operation and rehabilitation programme.

(c) Make recommendations to, and advise the General Inspector for Electricity (Public Works Ministry) on all matters in connection with electricity in Central Italy.

It is planned later to establish similar Committees for Southern Italy, Sicily, and Sardinia.

/The Electrical Division acts in an advisory capacity, until such time as the functions can be entirely transferred./

(iii) Electrical Reconstruction Committee.

The third meeting of this Committee was held on 22 January 1945, presided over by Maj. Gen. McCoach, Chief Engineer A.F.H.Q., with representatives of A.C., P.B.S., M.R.S. and Nos. 1 and 3 Military Districts.

Lt.Col. W.M. LAPPER (representing A.C.) submitted reports on progress, giving details of power plants operating and under repair, and information on transmission and substation repairs.

Explanation of the proposed operation of the Central Italy Grid was furnished, and the programme was endorsed by the Committee, which also inspected the Control Room.

The following table showed the trend of the rehabilitation programme, and was presented by this Sub-Commission :-

June 1944 - 50,000 KW plant in operation

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The following table showed the trend of the rehabilitation programme, and was presented by this Sub-Commission :-

June	1944 -	50,000 KW	plant in operation
Jan.	1945 -	110,000 "	" " "
Mar.	1945 -	170,000 "	" " ")
June	1945 -	300,000 "	" " ") Estimated

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(iv) Establishment of Forward Office (Florence)

A forward office of the Electrical Division was established at Florence.

Five officers comprise the staff. This field-team will carry on electrical rehabilitation work in forward areas in collaboration with P.B.S., 5th Army and 8th Army (Engineering), and A.M.G. units. Time will be saved, and it is welcomed by the forward A.M.G. units who have been anxious for engineering assistance on the larger electrical rehabilitation of power plants and transmission lines. The team is one of two, the other working from Rome, and each will carry out rehabilitation work on most of the larger generating units and lines, leaving Regional Engineers responsible only for the smaller ones.

(v) Power Allocation.

The monthly meeting of the Electric Power Committee of the Allied Forces Local Resources (Italian) Board was held on 22 January 1945.

A new method of calculating the available power for Central Italy had been developed (by the Division) in order to assist the Committee in its deliberations. A study was made of all available generating capacity connected to the Central Italy Grid for each hour of a representative 24 hour day, and a safe hourly loading of each plant thereby determined. This loading took into account the possibility of failure of the largest unit on the system, namely the 35,000 KW Galleto unit which was recently repaired. Consideration was also given to a more economical and reliable use of the Rome Thermal Plants.

The recent interconnection of the Grid System operating under the Control allows flexibility of power-flow, to suit priority of demands. Furthermore, it is estimated that by maintaining a standard frequency and voltage on the system the production from industrial plants, already in operation, has increased by approximately 20 %.

Rome demand continued to expand, and the Regional Commissioner (Lazio-Umbria) was asked on 30 Jan. to consider the issue of an Order closing shops at 3 p.m. daily, to stop obvious and serious wastages of current, particularly in very numerous barbers' shops with their electric water-heaters, and

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(vi) Generation.

Available capacity in Southern Italy was increased by 5,000 KW. due to initial operation of the Calore Station, a part of the S.M.E. System.

Generating capacity available in Central Italy in January was increased by 35,600 KW., over and above the preceeding month.

There are three other generating units at the Galleto plant, and all are scheduled to be repaired and in operation in 1945. Because of the great importance of this Station the Division maintains close supervision of its reconstruction programme. Much assistance has been provided at various times by Army agencies and units.

Due to shortage of coal, and the linking of the hydro-electric plants in this area to the centrally controlled grid, it was decided to restrict generation at the Rome Thermal Stations.

(vii) Transmission.

Work on high-voltage transmission lines progressed satisfactorily, a total of 260 Km. being completed. Principal matters of interest were the placing in operation of two 20,000 KVA transformers at the Galleto Generating Station; one 4,000 KVA transformer at the Villa Valle Switching Station; and two 60 KV transmission lines between Terni and Rome. The inclusive result of these is to increase the reliability of the Central Italy transmission network. During the month the Canterno-Segni transmission line was also finished, in anticipation of operations at the Canterno Plant.

(viii) Financing of War Damage (Electric Plants)

Terms under which Electric Companies can secure funds from the Italian Government are described in Decrees 367 and 397.

A total of 500 million lire have been appropriated, and Companies desiring to participate file applications directly with the Ministry of Public Works.

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On approval certain banks are directed to make funds available. The Government guarantees the loan, and also pays a portion of the interest (up to a maximum of 3%) for a period of 4 years.

Funds provided under this legislation are loans, and not grants.

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(ix) Utility Rates.

The procedure under which Utility Companies (Water, Gas and Electric) may secure authority to apply temporary surcharges to bills for service has been altered in conformity with instructions of the A.F.C.O.S., Economic Section, of January 1945.

Original applications are now forwarded to the Interministerial Price Committee of the Italian Government. The Committee forwards its recommendations to this Sub-Commission which in turn studies the matter and refers it to the Price Office, Economic Section, with recommendations. A meeting is then held by the " price group " and the decision transmitted to the Interministerial Price Committee.

A decree to legalize the granting of a surcharge in Italian Government Territory has been under consideration for several months. Drafts have been reviewed by this Sub-Commission and certain changes recommended so as to permit the decree to be applied to A.M.G. Territory.

The Ministry of Public Works was not represented in the original membership of the Interministerial Price Committee.

Changes in procedure relative to Utility Rates may now be summarized as follows :-

1st period - January 1944 to May 1944

(a) Utility Company applied to P.W.& U. Sub-Commission.

(b) Sub-Commission analyzed application and transmitted decision to Company.

2nd period - June 1944 to December 1944

(a) Company applied to Ministry of Public Works, Italian Government.

(b) Ministry of Public Works analyzed application and submitted recommendation to P.W.& U. Sub-Commission.

(c) Sub-Commission reviewed data and submitted comments to Ministry of Public Works.

(d) Ministry of Public Works transmitted final decision to Company.

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(b) Ministry of Public Works analyzed application and submitted recommendation to P.W.& U. Sub-Commission.

(c) Sub-Commission reviewed data and submitted comments to Ministry of Public Works.

(d) Ministry of Public Works transmitted final decision to Company.

3rd period - January 1945 to date

(a) Utility Company applies to Interministerial Price Committee.

(b) Committee analyzes application, in conjunction with the Ministry of Public Works and forwards recommendations to P.W. & U. Sub-Commission.

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(c) Sub-Commission reviews data and submits comments to Price Group, Economic Section.

(d) Price Group studies application, and advises Interministerial Price Committee of decision.

(e) Interministerial Price Committee transmits final decision to Company.

(x) Supplies and Materials.

Materials required by Regions, and by Companies engaged on reconstruction programmes were met during January.

Difficulties were encountered in effecting releases for bricks, from stocks held by different Companies. Firms object to releasing material at current prices, and this situation exists in all cases when there is no restriction or control.

A shipment of chemicals from U.S. to Sardinia in September 1944 went astray; it was finally located, and delivery will be made in February .

Ball-bearings and other materials for Sardinia (Power Plants) began to arrive, having been ordered in June 1944, and also insulating materials and transformer bushings.

Requisitions were placed for insulating-materials to cover April, May and June 1945, for all Power Companies in liberated Italy.

An emergency request was received (and quickly complied with) from A.M.G. 5th Army, Florence Area, for water-piping, approximately 8000 feet. An emergency water-supply was needed, a typhoid epidemic having occurred. / This is one example of many, the Materials Supply branch of the Division now being well organized./

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13. PUBLIC WORKS & MILITARY WORKS DIVISION.

(i) During the month additional Officers were withdrawn from the Southern Region for assignment to Northern Areas, leaving only four officers to handle all activities. This reduction in supervision of the extensive Military Highway program was reflected almost immediately in a general "let down" on the part of Genio Civile engineers. As a result maintenance and reconstruction work began to lag in certain areas. The Chief Engineer No.3 District, realizing the situation, contacted the Sub-Commission Director and it was arranged to have a conference at H.Q., 3 District on 5 February 1945 for a general discussion of the problem. The entire situation, while regrettable, is the inevitable result of inadequate officer supervision. No practical solution can be offered at this time.

(ii) Inspections.

Special inspections were made by Engineer Officers of this H.Q. covering the following Routes :-

Route	1	Rome to Leghorn
Route	2	Rome to Siena
Route	3	Rome to Terni
Route	79	Terni to Orvieto
Route	6	Rome to Caserta
Route	7	Rome to Caserta
Route	18	Naples to Battipaglia
Route	19	Battipaglia to Catanzaro

Visits were also made to Regional Engineer's Offices in Lazio-Umbria, Southern and Toscana Regions.

(iii) Highway Construction Equipment.

Further advice was received from A.F.H.Q., relative to probable delivery dates on most of the items of construction equipment. The picture now is definitely encouraging, as many sorely-needed units are scheduled to be available in February and March. (They were asked for in March 1944).

Actual transfer documents were received on six heavy

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Actual transfer documents were received on six heavy trailers, two carry-all scrapers, one air compressor and one complete asphalt-mixing plant. These items are now being taken on our charge from Peninsular Base Section. (Unfortunately, power units for the trailers and scrapers are not yet available, which renders them entirely useless for the present). Information was also received that 33 trucks would be available in the near future, by transfer from British stocks. Indications are, however, that this will be "used equipment" and in doubtful condition.

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(iv) Transport.

The transport situation in all aspects was in January even more critical than outlined in last month's report. Contractor's vehicles are being forced from the road one by one due to lack of tires, and Genio Civile engineers are practically "office-bound" for the same reason. Of the original 170 military vehicles on loan to Genio Civile in Southern Region only 30 % are in running condition. This situation is due to lack of proper maintenance facilities, and general depreciation of old equipment.

A small allocation of 100 new tires was received in the latter part of the month which, while representing only a fractional part of requirements, will be helpful.

(v) During the month it was decided by the Director to transfer responsibility for sewers, water works and bonifiche from the Electrical Division to the Public Works Division. This change has now been effected, and the new functions are being assumed without increasing the Headquarters staff.

(vi) Headquarters, Peninsular Base Section requested that we assume responsibility for maintenance of several additional stretches of road. Contracts are now being awarded for this work and every effort will be made to operate the work independently of P.B.S. facilities. Due to the very extensive Highway program now being carried on in P.B.S. territory it was decided to attach an Engineer Officer of the Sub-Commission to P.B.S., Headquarters to do liaison and general supervision of work. This is resulting in a more effective program.

(vii) Ports.

The extensive reconstruction works at the port of Civitavecchia, which was given urgent A.F.H.Q. priority is now well under-way. Due to the need for maximum speed an experienced Officer was assigned to this specific job. Under his direction, and with good cooperation from other interested Sub-Commissions, the work is proceeding well.

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The Sub-Commission was requested by A.F.H.Q., to furnish estimates of quantities of material to be dredged at the ports of Piombino, Civitavecchia and Piumicino. These have been completed and the information forwarded.

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(viii) On 15 January 1945 the Chief Engineer No.1 District issued a new schedule of military road priorities involving many hundreds of Kilometers. The Sub-Commission had previously been requested by the Chief Engineer of the District to handle maintenance and reconstruction on many of the roads by civilian contracts, but this new schedule increases the work substantially. It is planned to assume as many of the roads, in the near future, as available plant and transport will permit.

(ix) Volume and value of Public Works.

The following tables have been prepared to show, under three main classifications, the present aggregate volume of Public Works throughout liberated Italy (excluding the Island of Sardinia).

Tables on page 18.

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Tables on page 18.

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PUBLIC WORKS PROJECTS IN ITALY

TYPE	Initiated during Month	COST (Lire)	Completed during Month	COST (Lire)	In progress during Month
TABLE A — SCHEDULED OR ESSENTIAL PROJECTS					
Roads, etc.	69	81,877,985	34	70,973,300	137
Bridges	78	132,448,326	25	19,663,000	189
TOTAL	147	214,326,307	59	89,736,300	317
TABLE B — SCHEDULED OTHER THAN OF MILITARY NECESSITY (BUT FOR WHICH ALLOCATIONS OF AC/AMG HAS BEEN REQUIRED)					
Roads	29	23,748,689	28	20,275,871	152
Bridges	106	66,158,371	16	6,208,534	208
Public Buildings, Schools, etc.	60	14,442,961	23	4,553,000	126
Debris Removal	63	32,666,317	22	8,479,860	130
Water works, Sewers & Flood control	55	36,346,868	12	5,552,600	141
Housing	35	27,245,900	8	17,253,000	48
TOTAL	338	200,362,058	109	72,323,865	805
TABLE C — SCHEDULED UNDERTAKINGS IN ITALIAN AGENCY					
Roads	69	84,230,511	51	98,535,702	104
Bridges	26	29,618,000	9	1,924,028	65
Public Buildings, General, etc.	145	151,426,434	102	65,187,204	205
Debris Removal & Misc.	99	21,008,045	68	34,868,698	147
Water works, Sewers & Flood control	6	2,826,973	37	12,117,435	65
Housing	124	67,126,857	18	10,211,433	132
TOTAL	381	354,236,824	315	226,965,000	718
GRAND TOTAL	866	750,927,233	483	389,025,165	1,840

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PUBLIC WORKS PROJECTS IN JANUARY

th	COST (Lire)	Completed during Month	COST (Lire)	In progress during Month	COST (Lire)
		SCHOOLS OF MILITARY INTEREST			
	83,877,983	34	70,073,300	137	373,103,960
	132,146,316	25	19,663,000	180	262,643,337
	211,326,329	59	87,736,300	317	635,747,297
		OTHER TYPES OF MILITARY INTEREST (DUE FOR WHICH APPROVALS OF AC/AMG WAS REQUIRED)			
	21,718,650	20	10,215,671	152	158,520,459
	66,358,573	16	6,209,532	208	270,993,825
	11,113,281	23	4,253,000	126	69,561,223
	31,616,317	22	8,179,860	190	73,225,820
	30,796,809	12	5,552,600	141	162,152,226
	27,245,200	8	12,253,000	48	47,996,000
	200,368,050	109	72,323,665	805	783,150,944
		SCHOOLS NATIONAL INTEREST IN ITALIAN AGENCY			
	84,230,511	51	98,535,702	104	27,932,169
	89,618,000	9	4,024,028	65	69,781,317
	151,126,124	142	65,187,704	205	495,524,366
	23,808,049	68	36,888,698	147	112,831,166
	2,826,273	47	12,117,115	65	96,169,112
	67,128,657	18	10,211,453	132	206,217,754
	336,238,824	315	226,965,000	718	1,218,859,214
	750,927,711	483	391,025,165	1.840	2,637,757,455

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14. Annual Report, 1944.

In January the Sub-Commission completed a review of its activities during the year 1944, and in fact covering also the last 3 - 4 months of 1943 (original formation at Tizi-Ouzou, N. Africa).

Copies have been furnished to all interested parties.

15. Personnel (Promotions, Assignments etc.)

The following transfers have been effected :-

NAME OF OFFICER		FROM	TO
Col.L.J. Hensley	(A)	Southern	Provincial Commissioner Livorno Province ASSIGNED
Major H.W. Westwood	(B)	H.Q.	Piemonte ASSIGNED
Major C.P.B. Goldson	(B)	Piemonte	Liguria ASSIGNED
Major H.J. Rosson	(A)	Toscana	H.Q. ASSIGNED
Major A.E. Freudy	(B)	104 Hr. Gen.Hosp.	H.Q. DISCHARGED
Major G.P. Buckley	(B)	P.W.& D. S/C.	Transportation S/C
Major H. Iarson	(A)	Lombardia	Returned to U.S.A.
Major A. Crowther	(B)	Lombardia	H.Q. ATTACHED
Capt. R.M.J. Hibberd	(B)	H.Q.	Southern RE-ASSIGNED
Capt. J.S.C. Wilson Heathcote	(B)	ADC 8th ARMY (Att)	Abruzzi Marche ATTACHED
	(A)	Legio-	Puglia ASSIGNED

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15. Personnel (Promotions, Assignments etc.)

The following transfers have been effected :-

NAME OF OFFICER		FROM	TO
Col.D.J. Hensley	(A)	Southern	Provincial Commissioner Livorno Province ASSIGNED
Major H.W. Westwood	(B)	H.Q.	Piemonte ASSIGNED
Major C.P.R. Goldson	(B)	Piemonte	Liguria ASSIGNED
Major H.J. Rossch	(A)	Toscana	H.Q. ASSIGNED
Major A.E. Preedy	(B)	104 Br. Gen.Hosp.	H.Q. DISCHARGED
Major G.F. Buckley	(B)	P.W.& D. S/C.	Transportation S/C
Major H. Larson	(A)	Lombardia	Returned to U.S.A.
Major A. Crowther	(B)	Lombardia	H.Q. ATTACHED
Capt. R.N.J. Hibbard	(B)	H.Q.	Southern RE-ASSIGNED
Capt. J.S.C. Wilson Heathcote	(B)	AMG 8th ARMY (Att)	Abruzzi Marche ATTACHED
2/Lt. D.F. Natale	(A)	Lazio-Umbria	Emilia ASSIGNED

The following Officers have joined the Sub-Commission:-

Major J.A. Sapp (A)

Capt. R.F. Lowdon (B)

W.O.J.C., M.D. Weever (A)

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The following Officers have been promoted :-

Major W.M. Spenn	(A)	to	Lt. Col.
Major P.S.L. Lee	(B)	to	Lt. Col.
Capt. L.M. Laughlin	(A)	to	Major
Capt. R.A. Ryan	(A)	to	Major
Capt. H.J. Rosson	(A)	to	Major
Capt. J.A. Robb Jr.	(A)	to	Major
Capt. E.E. Smith	(A)	to	Major
Lt. L.J. Hodges	(B)	to	Capt.
Lt. J.M. MacCallum	(B)	to	Capt.
Capt. R.E. Weaber	(A)	to	Major

The next paragraph comprises a list Officers and Allied Civilian technicians employed both at Headquarters and in the Regions. At Headquarters there are 22 and in the Regions 53, making a total of 75. One officer (A) left for America during the month, and three officers (1 British, 2 American) joined the Sub-Commission.

Nominal Roll of Officers, and Duty.

A) AT HEADQUARTERS :-

Col. Louis A. Jenny	0245627	C.E.	(A)	Director
Lt.Col. G.E. Rhodes	46671	R.E.	(B)	Deputy Director
Major A.E. Preedy	161074	R.A.	(B)	Admin.Officer
J/Comd. A.K. King	287036	A.T.S.	(B)	Asst.Admin.Officer

Public Works Division.

Lt.Col. V.S.Thompson		R.C.E.	(B)	Chief P.W.Division
Capt.Rufus W.Shepherd	0269899	S.R.	(A)	Asst.to Chief P.W.
Major Norbert W.Hyland	0525877	S.R.	(A)	P.W.O. South
Mr. D. Solomon	Civilian		(A)	Housing

Electrical Division.

Lt.Col.W.K. Lepper	294812	G.L.	(B)	Chief Elect.Div.

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Lt. L.J. Hodges	(B)	to	Capt.
Lt. J.M. MacCallum	(B)	to	Capt.
Capt. R.F. Weaber	(A)	to	Major

The next paragraph comprises a list Officers and Allied Civilian technicians employed both at Headquarters and in the Regions. At Headquarters there are 22 and in the Regions 53, making a total of 75. One officer (A) left for America during the month, and three officers (1 British, 2 American) joined the Sub-Commission.

Nominal Roll of Officers, and Duty.

A) AT HEADQUARTERS :-

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Lt.Col. G.E. Rhodes	46671	R.E.	(B)	Deputy Director
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J/Cmd. A.K. King	287036	A.T.S.	(B)	Asst.Admin.Officer

Public Works Division.

Lt.Col. V.S.Thompson		R.C.E.	(B)	Chief P.W.Division
Capt.Rufus W.Shepherd	0269899	S.R.	(A)	Asst.to Chief P.W.
Major Norbert W.Hyland	0525877	S.R.	(A)	P.W.O. South
Mr. D. Solomon	Civilian		(A)	Housing

Electrical Division.

Lt.Col.W.M. Napier	294812	S.L.	(B)	Chief Elect.Div.
Major Louis L.Laughlin	0521392	S.R.	(A)	Asst.to Chief Elect.D.
Major Edmund J. Berry	0925044	C.E.	(A)	Elect.Gener.Dept.
Major Vinal S. Renton	0299699	Inf.	(A)	Ops. & Tran.Dept.
Major Robert A. Bell	0328685	Sig.C.	(A)	Elect.Util.Officer In Florence

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Electrical Division. (Continued)

Major L.G. Price	142572	R.E.	(B)	Supply Officer Att/from AFHQ
Major Hertwell J.Rosson	0516746	S.R.	(A)	Elect.Util.Officer
Capt.W.E.Trommersheusen	0342407	F.A.	(A)	Elect.Util.Officer
Capt. Paul M. Vennoy	0280920	C.E.	(A)	Elect.Util.Officer Central Italy
Capt. H.G. Best	86872	R.A.	(B)	Elect.Util.Officer
Capt. Albert E. Duran	0228522	Sig.C.	(A)	Elect.Util.Officer In Florence
Capt. R.F. Lowdon	175191	Essex. Regt.	(B)	Elect.Util.Officer In Florence
1st Lt. P.A. Sbrolla	01551106	Ord.C.	(A)	Elect.Util.Officer
W.O.J.G.,N.B.Weaver	W2109702		(A)	Elect.Util.Officer

B) IN REGIONS :-

Sicilia Region

Major D.A. Boyt	103541	R.E.	(B)	Regional Engineer

Southern Region

Major W.P. Chamberlin	03073335	F.A.	(A)	Regional Engineer
Capt. D.L. Brown	0382133	C.A.C.	(A)	Highways
Major R.A. Ryan	0520275	S.R.	(A)	Elect.Util.Officer
Capt.F.M.H. Stephens	183578	R.E.	(B)	Highways
Capt. R.N.J. Hibbert	236667	R.E.	(B)	E.W. Officer
Mr. H.H. Townsend	Civilian		(A)	Reg.Eng.Staff

Lazio-Umbria Region

Lt.Col.G.C.C.E.Findlay, V.C.	12396	R.E.	(B)	Reg.Eng.Officer
Major A.G. Evans	181780	R.E.	(B)	P.W. Officer
Major A.E. Michel	0519275	S.R.	(A)	P.W. Officer
Capt. W.F. Laughton	0383013	Inf.	(A)	P.W. Officer
Capt. William R. Gentry	0224642	C.M.P.	(A)	Highways
Capt. Nathaniel M.Whitten	0376761	C.A.C.	(A)	P.W. Officer
Capt. T.F. Springs	0302832	F.A.	(A)	Highways
Capt. A.J. Green		F.L.D.G.	(B)	Highways
Capt. E.F. Wade-Brown	212800	R.A.	(B)	Elect.Util.Officer
Capt. J.W.L. Butcher	265880	S.Lancs	(B)	Elect.Util.Officer
Mr. Conrad H. Rapp	Civilian		(A)	Reg.Eng. Staff

[illegible] Marche Region

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1st Lt. T.A. Sbrolla	01551106	Ord.C.	(A) Elect.Util.Officer
W.O.J.G.,M.D.Weaver	W2109708		(A) Elect.Util.Officer

B) IN REGIONS :-

Sicilia Region

Major D.A. Boyle	133541	R.E.	(B) Regional Engineer

Southern Region

Major W.F. Chamberlin	03073335	F.A.	(A) Regional Engineer
Capt. D.H. Brown	0382133	C.A.C.	(A) Highways
Major R.A. Ryan	0520275	S.R.	(A) Elect.Util.Officer
Capt.F.M.R. Stephens	183575	R.E.	(B) Highways
Capt. R.H.J. Hibbard	236067	R.E.	(B) D.W. Officer
Mr. H.H. Townsend	Civilian		(A) Reg.Eng.Staff

Lazio-Umbria Region

Lt.Col.G.de C.E.Findlay, V.C.	12396	M.E.	(B) Reg.Eng.Officer
Major A.G. Evans	181780	R.E.	(B) D.W. Officer
Major A.E. Michel	0519275	S.R.	(A) D.W. Officer
Capt. W.T. Laughton	0383013	Inf.	(A) D.W. Officer
Capt. William R. Gentry	0224642	C.M.P.	(A) Highways
Capt. Nathaniel M.Whitten	0376761	C.A.C.	(A) D.W. Officer
Capt. T.F. Sprigge	0302832	F.A.	(A) Highways
Capt. A.J. Green		I.L.D.G.	(B) Highways
Capt. E.F. Wade-Brown	212800	R.A.	(B) Elect.Util.Officer
Capt. J.W.L. Butcher	265880	S.Lancs	(B) Elect.Util.Officer
Mr. Conrad H. Repp	Civilian		(A) Reg.Eng. Staff

Abruzzi-Marche Region

Lt.Col. C.A. Latimer	0211151	C.E.	(A) Reg. Eng.
Capt. J.H. Walsh	0522486	S.R.	(A) Highways
Major J.E. Polen	291969	G.L.	(B) Elect.Util.Officer
Major Edwin L. Shull	0335061	Inf.	(A) D.W. Officer
Mr. F.O. Griffith	Civilian		(A) Reg.Eng. Staff.

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Sardegna Region

Now under Italian Control.

Toscana Region

Lt. Col. P.S.L. Lee	181419	R.E.	(B)	Regional Engineer
Capt. L.J. Hodges	117600	R.A.	(B)	P.W. Officer
Capt. T.R. Brownlee	0152813	C.M.P.	(A)	Highways
Capt. P.R.C. Stephens	183578	R.C.A.	(B)	Elect.Util.Officer
Capt. J.W. Perkins	178091	R.E.	(B)	P.W. Officer
Major G. Boucher	74496	R.E.	(B)	Liaison Officer No. 1 District
Capt. A.G.A. Saul	301428	G.L.	(B)	Highways
Major E.H. Richardson	0264535	F.A.	(A)	P.W. Officer

Emilia Region

Lt.Col. W.M. Spann	0260170	S.R.	(A)	Reg.Eng.Officer
Major W.H. Gemble	263395	G.L.	(B)	P.W. Officer
Major R.P. Weeber	0338955	C.E.	(A)	Highways Att: AMG 5th Army.
Capt. E.H. Rogers	0413238	C.E.	(A)	Elect.Util.Officer
2/Lt. Peter F. Natale	01691527	C.E.	(A)	Public Works Off.

Piemonte & Liguria Region.

Lt.Col. C.R. Birchett	0902256	C.E.	(A)	Reg.Eng.Off.
Major H.W. Westwood	139095	R.E.	(B)	P.W.Off.(Liguria)
Major J.A. Robb Jr.	0901613	Sig.C/	(A)	P.W. Officer
Major E.E. Smith	0520148	S.R.	(A)	P.W. Officer Att: Toscana
Major G.C. Eberle	0339841	C.E.	(A)	Highways Att: Toscana
Major J.S. Bennett		S.R.	(A)	Elect.Util.Officer
Major C.I.B. Goldson		R.A.	(B)	P.W.O. (Liguria) Att: Lazio-Umbria

Lombardia Region

Col. Clarence P.Bolick	0174447	F.A.	(A)	Reg.Eng.Off. Att: Toscana
Major A. Crowther	161869	R.E.	(B)	Elect.Util.Officer Att: HQ. Florence

Venezia Region

Major W. Knight, M.C.	141159	Essex.Regt.	(B)	Reg.Eng.Officer
Capt. R.B. Feldman	0251776	S.R.	(A)	P.W. Officer

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Capt. A.G.A. Shaw	[illegible]	[illegible]	
Major E.H. Richardson	0264535	F.A.	(A) P.W. Officer

Emilia Region

Lt.Col. W.M. Spann	0260170	S.R.	(A) Reg.Eng.Officer
Major W.H. Gamble	263395	G.L.	(B) P.W. Officer
Major R.P. Weeber	0338955	C.E.	(A) Highways Att: AMG 5th Army.
Capt. E.H. Rogers	0413238	C.E.	(A) Elect.Util.Officer
2/Lt. Peter F. Natale	01691527	C.E.	(A) Public Works Off.

Piemonte & Liguria Region.

Lt.Col. C.R. Birchett	0902256	C.E.	(A) Reg.Eng.Off.
Major H.W. Westwood	139095	R.E.	(B) P.W.Off.(Liguria)
Major J.A. Robb jr.	0901613	Sig.C/	(A) P.W. Officer
Major E.E. Smith	0520148	S.R.	(A) P.W. Officer Att: Toscana
Major G.C. Eberle	0339841	C.E.	(A) Highways Att: Toscana
Major J.S. Bennett		S.R.	(A) Elect.Util.Officer
Major C.T.B. Goldson		R.A.	(B) P.W.O. (Liguria) Att: Lazio-Umbria

Lombardia Region

Col. Clarence T.Bolick	0174447	F.A.	(A) Reg.Eng.Off. Att: Toscana
Major A. Crowther	161869	R.E.	(B) Elect.Util.Officer Att: HQ. Florence

Venezia Region

Major W. Knight, M.C.	141159	Essex.Regt.	(B) Reg.Eng.Officer
Capt. E.B. Feldman	0251775	S.R.	(A) P.W. Officer Att: Toscana
Major A.G. Perley		R.C.O.C.	(B) Highways
Capt.J.S.Wilson-Heathcote	101636	Int.Corps	(B) Highways Att.Abruzzi-Marche

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Venezia Region. (Continued)

Major M.O. Wooster	C236441	Sig.C.	(A) Elect.Util.Officer Att: Toscana
Major James A. Sapp	0339542	C.M.P.	(A) Highways Officer Att: Abruzzi-Marche

A.M.G. 5th Army

Major D.M. Gaither	05C0954	C.M.P.	(A) Engineer Officer
Capt. J.M. MacCallum	244067	R.E.	(B) P.W. Officer

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REGIONAL REPORTS.

16. SICILY REGION - (Regional Engineer: Major D.A. BOYD, R.E.)

(a) Remarks.

Progress of works was retarded by exceptionally bad weather in December, and gales caused some damage at various ports.

Two points settled at the Regional Engineers' Conference held in Rome on 8th January were acted on :-

(i) Supplementary petrol for transport was issued, enabling a few bridges to be expedited that had been originally included in the Chief Engineer's program (No. 1 Military District) before that H.Q. left the Island.

(ii) Works required in ports and harbours, by the Allied Navies, were put on the same footing as Military highways and bridges had formerly been, i.e. enabling them to be started within about two weeks, in place of the several months they had taken when they had to be approved solely through Italian Government channels.

As previously reported Major Boyd has for some time been the only (Allied Commission) Engineer Officer left in Sicily, and he is likely to be withdrawn at a very early date. Final inspection tours from Palermo to Catania, Siracusa, and other places were made.

(b) Roads and Bridges

No change as compared with the December report, except that 12 supplementary estimates were approved for bridges on Route 113, total value 11½ M.L.

(c) Electricity.

Detail figures of power-production at the various thermo and hydro-electric stations furnished, these being

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Two points settled at the Regional Engineers' Conference held in Rome on 8th January were acted on :-

(i) Supplementary petrol for transport was issued, enabling a few bridges to be expedited that had been originally included in the Chief Engineer's program (No. 1 Military District) before that H.Q. left the Island.

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As previously reported Major Boyd has for some time been the only (Allied Commission) Engineer Officer left in Sicily, and he is likely to be withdrawn at a very early date. Final inspection tours from Palermo to Catania, Siracusa, and other places were made.

(b) Roads and Bridges

No change as compared with the December report, except that 12 supplementary estimates were approved for bridges on Route 113, total value 1½ M.L.

(c) Electricity.

Detail figures of power-production at the various thermo and hydro-electric stations furnished, these being included generally in the Electrical Division report (para.12 above).

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As the water available for the hydro-electric stations in Sicily falls off during the spring their output will fall to 10½ million units by April, with a corresponding increase at the few thermal stations from 5 to 7 million units (total required each month about 17½ million units). This means increased supplies of coal for the Island from Sardinia or elsewhere.

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(d) Utilities and General Public Works.

There was increased progress in repairs to private buildings that had suffered war damage.

Gas supplies at Palermo, Catania and Trapani were restricted, or non-existent, due to lack of imported coal.

The United States Navy de-requisitioned the large tramway and trolley-bus depot at Palermo, handing it back to the Company, thus enabling regular maintenance and repair works to be resumed.

Heavy rains in December and January restored most of the water supplies serving the principal cities to normal.

(e) Tabular Statement.

The statement on the next two pages shows the position of three categories of works, as at the end of January and covering that month:-

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... the principal cities to normal.

(e) Tabular Statement.

The statement on the next two pages shows the position of three categories of works, as at the end of January and covering that month:-

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Public Works Projects in Sicily Region

Type	Initiated during Month	Cost (Lire)	Completed during Month	Cost (Lire)	In p... dur...
Schemes of Military Priority					
Roads	-	-	-	-	
Bridges	-	-	-	-	
Miscellaneous	6	928,000	2	107,300	
TOTAL	6	928,000	2	107,300	
Schemes other than of Military Priority but for which the approval of AC/AG was required					
Roads	1	4,303,980	5	10,269,849	
Bridges	-	-	-	-	
Sewer Works	-	-	-	-	
Houses	-	-	4	27,005,000	
Miscellaneous	-	-	-	-	
TOTAL	1	4,303,980	9	37,274,849	

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Public Works Projects in Pacific Region

	Cost (Lire)	Completed during Month	Cost (Lire)	In progress during Month	Cost (Lire)
Schemes of Military Priority					
-	-	-	-	9	39,418,000
-	-	-	-	5	6,877,500
-	-	-	-	3	1,450,000
928,000	2	107,300		47	47,745,000
928,000	2	107,300			
Schemes of Military Priority out for which the Approval of AC/AS G was required					
-	4,393,980	-	14,280,849	19	75,935,730
-	-	-	-	16	95,712,407
-	-	-	-	5	20,460,000
-	-	-	-	14	1,635,020
-	-	4	17,995,960		3,950,590
-	-	-	-	5	
-	4,393,980	9	32,276,809	89	207,713,687

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Schemes handled independently by Italian authorities

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In p... during
Roads	4	26,382,830	3	1,965,000	
Bridges	2	330,000	-	-	
Houses	21	36,401,000	9	6,653,000	
Sheds, & water works	-	-	2	720,000	
Maritime	1	500,000	1	1,000,000	
TOTAL	28	63,613,830	15	10,338,000	

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Schemes handled independently by Field Authorities

Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
		3	1,905,000	14	5,454,000
4	26,382,838	-	-	5	2,816,000
2	320,000	9	6,662,000	20	7,125,000
21	36,401,000	2	710,000	12	4,657,500
-	-	1	1,900,000	2	5,200,000
1	500,000	15	19,277,000	75	29,265,500
28	302,813,538				

17. SOUTHERN REGION - (Regional Engineer: Col. L.J. HENSLEY, C.B.E.)

(a) Remarks.

At the end of January Col. Hensley was transferred to another appointment (Provincial Commissioner, Leghorn), and his place taken by Major Chamberlin, who had been Regional Engineer of Calabria and after this Region was abolished he served under Col. Hensley in the Region (at Bari).

In furtherance of the policy of transferring control to the Italian Government three "Field Offices" were closed in January viz. at Catanzaro, Caserta and Salerno. Operations from the two latter were transferred to the Regional Engineer's office at Naples, with continued liaison with both British and American Army Units and H.Q. in the area.

(b) Highways and Bridges (Military)

Under first priority roads (Military) 22 Kms of re-surfacing with bitumen were completed in January, and 34 Kms started. Outside that category the figures were 10 and 100 Kms. respectively.

Additionally, under first priorities there were 352 Kms of bitumen-surface road repairs in hand.

Total length of highways under general supervision, all categories, was about 7,500 Kms.

In the area Naples-Avellino-Benevento by the end of January 11 bridges remained in hand; with 4 completed and 2 started, during the month.

On Route 88 the Avellino bridge was 80% finished, one at Battipaglia 40 %, and on Route 19 two important bridges were 70 % completed.

In the Bari area No. 3 Military District prepared fresh priority lists, which the Regional Engineer considered to be almost beyond the present capacity of the Genio Civile road organisation. In the same area more bridges were open to traffic, and 6 bridges were in hand (also on Military priority roads) that had been severely damaged during the November floods. Generally, a serious lack of bitumen was resulting in rapid deterioration of many miles of road surfaces.

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(c) Public Works.

The January report gives extensive and detailed lists of the demolition of dangerous buildings (damaged by bombing), debris clearance, building repairs (mainly public buildings), drainage works, retaining walls and other miscellaneous matters, in hand or recently completed. These are included in the tabular statement attached, pages 30 and 31.

(d) Electricity.

The strict rationing scheme put in force (by this Sub-Commission) early in 1944 continued. The "peak-load" (i.e. period of maximum demand during the average 24 hours) was slightly reduced, but a further number of factories may have to alter their hours of working, so as to consume electricity during the night, or at other times. Further repairs to local generating units continued. A very heavy transformer was moved from Bari by road, about 200 miles, and was blocked by snow in the mountains, causing serious delays and the sending of special transport to haul it out.

Two transmission lines running northwards from hydro-electric plants at Sila (Calabria) were seriously interrupted, causing severe reductions in the energy available both at Bari and Naples. Lack of transport for workmen caused delays in repairs.

In one case, the whole district of Apulia was without power for 24 hours (instead of only 2 or 3 hours) solely due to lack of transport.

(e) Public Utilities.

The Naples water-system was fully restored, and also that of the Acquedotto Pugliese which serves a large tract of country, including Bari. Over 100 special tests of the water were made, chemical and bacteriological, to check its potability.

The large gas-holder of 80,000 cubic metres capacity serving Naples was restored to service on 15th January, after many months spent in repairing damage caused by bombs. Certain zones of the city still have no gas supply, but the position is well in hand and shows a steady improvement, provided coal supplies can be maintained.

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Commission) early in 1944 continued. The "peak-load" (i.e. period of maximum demand during the average 24 hours) was slightly reduced, but a further number of factories may have to alter their hours of working, so as to consume electricity during the night, or at other times. Further repairs to local generating units continued. A very heavy transformer was moved from Bari by road, about 200 miles, and was blocked by snow in the mountains; causing serious delays and the sending of special transport to haul it out.

Two transmission lines running northwards from hydro-electric plants at Sila (Calabria) were seriously interrupted, causing severe reductions in the energy available both at Bari and Naples. Lack of transport for workmen caused delays in repairs.

In one case, the whole District of Apulia was without power for 24 hours (instead of only 2 or 3 hours) solely due to lack of transport.

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(f) Transport.

Transport is reported to be "quite insufficient" generally whilst that available for the service of numerous electric and water Companies was so inadequate that it was causing "serious interruptions of the public services."

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Public Works Projects in Southern Region

Type	Initiated during Month	Cost (Lire)	Completed during Month	Cost (Lire)	Im dur
Schemes of Military Priority					
Roads	7	46,538,363	16	32,013,000	
Railways	4	3,489,750	3	4,596,000	
Miscellaneous	1	900,000	-	-	
TOTAL	57	50,928,113	19	51,741,000	
Schemes other than of Military Priority but for which the approval of AC/AS G-4 is required					
Roads	-	-	-	-	
Railways	-	-	-	-	
Public Buildings	-	-	-	-	
Gener. water & Drainage	-	-	-	-	
Bridges	-	-	-	-	
Miscellaneous	-	-	-	-	
TOTAL	-	-	-	-	

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Public Works Projects in Southern Region

Initiated during Month	Cost (Lire)	Completed during Month	Cost (Lire)	In progress during Month	Cost (Lire)
Schemes of Military Priority					
7	46,536,363	16	27,013,000	62	224,636,0[illegible]
4	3,109,955	3	4,656,000	45	94,370,937
1	900,000	-	-	6	2,176,500
11	50,546,318	19	31,711,000	113	321,183,437
Schemes of other type of Military Priority but for which the approval of AC/AS 6 is required.					
-	-	-	-	14	10,132,600
-	-	-	-	2	1,450,000
-	-	-	-	-	-
-	-	-	-	9	275,000
-	-	-	-	2	355,000
-	-	-	-	3	2,325,000
-	-	-	-	23	14,537,600

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Schemes heralded inaugurated by Italian Authorities

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during
Roads	46	47,200,681	45	96,337,260	
Bridges	12	7,118,000	9	3,166,522	
Public Buildings	79	63,869,505	84	46,774,156	10
Housing	68	11,170,057	6	884,453	1
Sewers, Water & Utilities	3	1,881,971	13	4,542,058	
Debris Removal	52	16,624,049	46	21,171,698	8
Miscellaneous	41	41,847,809	21	5,000,258	
TOTAL	321	192,572,116	218	177,856,445	3

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Power s handled in operations by Italian authorities

ed th	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
	47,900,683	45	96,317,260	72	107,389,329
	7,338,000	3	3,166,622	8	14,159,317
	63,869,565	84	16,771,156	101	270,841,986
	4,370,057	8	284,453	14	10,612,203
	1,813,927	13	4,582,088	95	47,274,912
	16,624,048	46	21,171,698	80	60,127,566
	41,017,809	23	5,390,298	54	85,319,161
	196,572,136	218	177,856,445	332	766,776,365

18. LAZIO-UMBRIA REGION - (Regional Engineer: Lt.Col. G. de C.E. FINDLAY, V.C.,M.C,R.E.)

(a) Rome City (Gas, Water, Sewerage and Electricity)

(i) A system of rationing the gas supply was introduced early in January, but its results will not be known until two or three months from now. Supplies of coal suitable for gas production were insufficient, with stocks falling towards the end of the month to only "5 days in hand".

(ii) Water-supply conditions remained practically back to normal, except that frequent interruptions of electric power disorganized pumping in numerous high buildings, which depend on such pumping for most of the floors above ground level. It is to be stressed, once again, that a fundamental defect in the whole of the water-supply system of Rome is lack of pressure. There is no local reservoir affording even a 48 hours reserve of water, nor at a sufficiently high level to give a proper pressure. Any pressure given is, further, dissipated night and day by hundreds of water outlets at street levels, which continuously pour hundreds of thousands of gallons an hour to waste, down the gutters and direct to the river Tiber. By modern standards Rome can never have an adequate water supply until this gross wastage stops, or until a small high-level reservoir is built at no great distance from the city. Such a reservoir would cost comparatively little, and it would eliminate the thousands of small pumping units in the basements of high buildings. Again the annual saving of electric power, in the aggregate, would be enormous.

The supply is sterilized by chlorine, supplies of which are almost exhausted.

(iii) Under electricity the rationing scheme for domestic consumers operated satisfactorily. Consumption by Military and civil (preferential loads) on the other hand showed a marked increase, and the "peak-load" allotted (under A.F.H.Q. control) will be less in the immediate future than it was in December and January.

(iv) Some repairs to the main sewerage system continued. Vehicles equipped with plant for cesspool-clearing were supplied with a few tyres, enabling the clearing to be resumed.

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(iv) Some repairs to the main sewerage system continued. Vehicles equipped with plant for cesspool-clearing were supplied with a few tyres, enabling the clearing to be resumed.

(b) Fiumicino Harbour.

The work of clearance and re-construction continued slowly. Further proposals submitted in September to the Ministry of Public Works remained unsanctioned.

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(c) Provinces.

(i) Public Works.

Umbria remains an A.M.G. Territory, and here the approval and financing of projects continued smoothly. Progress is good, and limited only by materials and transport. Repair to houses in Terni progressed well. Works in hand rose from a value of 97 M.L. to 173 M.L. during January. The value of completed projects was 15 M.L., as compared with 7 M.L. December.

For Italian Government Territory within the Region a credit of 367 M.L. was received on 19th January, sufficient to start all technically approved schemes, but not sufficient to complete them. The Regional Engineer remarks "at last the financial stranglehold has been broken". (Reference to recent monthly reports from this Region will show how seriously this failure to provide funds had militated against progress).

The Regional Engineer further refers to these delays on the part of the Italian Government as "bureaucratic callousness", and states that it has caused particular delays in the re-housing program.

At Terracina, to take one example, a contractor had by the end of January done 65% of the work but had received no payment; this was exceptional, in that he apparently accepted the financial risk. Throughout the Region except in Perugia there are practically no stocks of roofing tiles. Factories cannot operate through lack of fuel for burning.

Two Bonifica schemes in Littoria were completed to the extent of 90 % and 55 %, respectively. The worst malarial area in the Region is in the neighbourhood of Fondi, regarding which 5 projects of a total value of 23 M.L. still wait financial approval. Similar Bonifica schemes elsewhere in the Region, value 35 M.L., were approved in January, all having been submitted at least three to four months previously.

(ii) Electricity.

Rationing has been introduced in the provinces of Perugia, Terni and Rieti, so that the many industries demanding energy can get some power. Generation of power within the Region rose from 13.5 to 16.6 % of the pre-war output, but this slight increase will go towards improvement of voltage, rather

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Italian Government territory within the Region a credit of 360 M.L. was received on 19th January, sufficient to start all technically approved schemes, but not sufficient to complete them. The Regional Engineer remarks "at last the financial stranglehold has been broken". (Reference to recent monthly reports from this Region will show how seriously this failure to provide funds had militated against progress).

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(ii) Electricity.

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A further 147 Kms of transmission lines were repaired, bringing the total percentage up to 47.5 of pre-war.

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(iii) Mines clearance.

In January 178 mines were cleared, 82 of these being by a contractor viz. along 17 Kms of transmission lines, 11 Kms of canals, and at one bridge site. One of the civil squads (Italian Government) started work towards the end of January in the Ostia district. Similar squads which were supposed to start clearance in Littoria and Frosinone, in November or December, had not started work even by the end of January.

(iv) Port of Civitavecchia.

This important project was started under special and urgent A.F.H.Q. instructions, directed to rendering the port capable of handling up to 3,000 tons per day. Heavy plant and equipment provided by the Armies began to arrive.

(v) Roads and bridges.

Supplies of bitumen improved considerably, but in the winter season very few days are suitable for its application to road surfaces. The state of Route 7 south of Rome, a most important Military Route, between Albano and Velletri gives rise to anxiety and some wasteful expenditure, since bitumen applications cannot now be made till the spring.

On main Military roads 18 bridges were finished during the month, bringing the total since July 1944 to 75. These include a group of bridges over the Cassino marshes, eliminating danger of any future prolonged flooding.

(vi) Roads (non-military)

Bridges on these made slow progress, with a further 6 completed during the month making a total of 52 since last July.

(vii) Miscellaneous.

Additional lengths of Military roads were handed over to the Regional Engineer by Peninsular Base Section and by No. 1 District.

Supplies of cement, bricks and bitumen for Military roads were sufficient, but practically none available for other roads.

The Italian Government control scheme for local

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(vi) Roads (non-military)

Bridges on these made slow progress, with a further 8 completed during the month making a total of 52 since last July.

(vii) Miscellaneous.

Additional lengths of Military roads were handed over to the Regional Engineer by Peninsular Base Section and by No. 1 District.

Supplies of cement, bricks and bitumen for Military roads were sufficient, but practically none available for other roads.

The Italian Government control scheme for local materials (critical), due to start early in November, was not operating even by the end of January except in Rome City.

Note: Appended on pages 35, 36 and 37, is a tabular statement of Public Works projects for the month of January.

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Public Works Projects in Lazio-Umbria Region

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
Schemes of Military Priority						
Roads	7	5,796,000	10	35,500,000	19	81,028,000
Bridges	9	25,783,000	18	12,700,000	109	127,724,000
Retaining Walls & Parapets	1	200,000	1	300,000	6	4,320,000
TOTAL	17	31,779,000	29	48,500,000	134	213,072,000
Schemes other than of Military Priority but for which the approval of AC/AS has been received (A.G.Fin						
Roads	14	6,300,000	16	32,450,500	85	43,552,700
Bridges	68	51,281,000	6	2,332,800	98	112,196,617
Retaining Walls & Parapets	--	--	--	--	4	2,016,000
Public Buildings	8	3,695,000	22	4,456,000	69	37,585,200
Debris Removal, etc. Demolition, Waterworks & Sewerage	23	21,397,000	17	7,063,000	50	26,304,000
	9	5,484,000	7	3,470,000	30	77,950,832
Housing	21	22,370,000	3	55,000	23	32,790,000
TOTAL	143	110,729,000	71	29,863,300	462	332,295,529

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Public Works Projects in Lucio-Ubria Zealon

	Cost (Lire)	Completed during Month	Cost (Lire)	In progress during Month	Cost (Lire)	Note
Schemes of Military Priority						
	5,796,000	10	33,500,000	19	81,068,600	Work in hand only includes formally approved projects & excludes approx. L. 100 million of emergency work started.
	75,772,000	10	12,790,685	109	127,721,000	
	260,000	1	500,000	6	1,320,000	
	84,792,000	21	46,790,000	134	213,673,000	
Schemes of Military Priority but for which the approval of AC/AS has required (no finance)						
	6,309,020	16	12,488,500	86	43,552,600	All this group is financed.
	51,284,000	6	2,?2,000	98	112,196,617	
	--	--	--	4	2,016,000	
	3,655,000	22	4,196,000	60	37,585,532	
	21,327,000	17	7,084,000	70	26,294,000	
	5,484,000	7	3,670,000	30	77,850,832	
	22,370,000	3	35,000	23	32,790,000	
	110,729,000	71	30,813,300	362	332,295,549	

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SCHEMES OTHER THAN MILITARY REQUIRING AC/ACG APPROVAL IN PRINCIPLE (INITIATED BY U. GOVT.)

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during
Roads	1	750,000	--	--	2
Bridges	6	12,115,000	--	--	22
Retaining walls & Parapets.	--	--	--	--	2
Public buildings	7	10,676,000	8	7,321,000	31
Debris removal, etc.	6	4,383,000	16	13,852,000	65
Sanitation, Water works & Sewerage	--	--	3	3,925,000	16
Housing	--	--	--	--	32
TOTAL	20	27,925,000	29	25,168,000	177

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...THAN ATTACHED FIGURING A/C/G APPROVAL BY FINANCE (FINANCED BY IT. GOVT.)

...lated ...nth	Cost (Lire)	Completed during Month	Cost (Lire)	In progress during month	Cost (Lire)
		--	--	2	36,750,500
1	750,000	--	--	22	22,328,000
6	12,115,000	--	--	2	615,000
--	--	--	7,331,000	31	127,048,838
7	10,626,000	8	13,852,000	65	31,523,000
6	4,384,000	16	3,925,000	16	38,707,000
--	--	5	--	31	163,547,838
--	--	--	25,168,000	177	439,510,788
20	27,925,000	29			

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SCHEMES BUILT IN PENANTH BY ITALIANS (FINANCED BY ITAL. GOVT.)

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
Roads	1	13,000	1	200,000	--	--
Bridges	1	165,000	2	350,000	6	867,506
Retaining walls & Terraces	--	--	--	--	--	--
Public buildings	8	1,375,000	3	335,000	20	5,084,220
Public hospital	--	--	2	830,000	6	1,865,000
Sanitation, water works & Sewerage.	1	120,000	1	330,000	5	1,730,000
Private	1	620,000	--	--	3	2,665,000
TOTAL	12	2,423,000	9	1,845,000	40	12,271,506

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[illegible] DISTRIBUTION OF FUNDS (FURNISHED BY FT. GOVT.)

[illegible]	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)	Note
	13,000	1	200,000	--	--	This includes only work formally approved and financed.- In addition 150 million of work has been submitted to Ministry and awaiting his action. The delegation of powers to Capi was intended to avoid this.- But bureaucracy has prevailed and the financial stronghold has embraced this group.-
	160,000	2	150,000	6	867,500	
	--	--	--	--	--	
	1,575,000	3	350,000	20	5,092,200	
	--	2	830,000	6	1,065,000	
	120,000	1	130,000	5	1,720,000	
	620,000	--	--	3	2,465,000	
	2,423,000	9	1,665,000	40	12,271,600	

19. ABRUZZI-MARCHE REGION - (Regional Engineer: Lt.Col.C.A.LATHAM, C.B.)

(a) Observations.

There were no changes of Regional or political boundaries in January, and Army control-lines remained the same. There were changes in the H.Q. of the 1st and 3rd District, with whom the Regional Engineer maintains close liaison.

Great difficulty was experienced in keeping mountain roads clear of snow, these roads carrying heavy Army transport. Route 16 was closed seldom more than 24 hours at a time, but Routes 5 and 17 were blocked for periods of three days. Snow removal equipment was not heavy enough, nor in proper repair, belonging to the Italian Authorities. Generally, that equipment can keep a road open for no more than single-lane traffic.

(b) Personnel.

Three additional Allied Officers were made available one being posted to the Abruzzi, and two to Ancona.

As to Italian engineering staff, the Regional Engineer gives details of an unfortunate state of affairs. The Ispettore Generale del Genio Civile in Aquila is frequently away from duty owing to illness, and there is no Deputy to act for him. (This condition was reported to the Minister by the Sub-Commission).

Investigation of the organisation chart of the Genio Civile in Ancona showed that it existed only "on paper". There is complete lack of initiative, and even routine work is being neglected. In partial explanation of these conditions, however, the Regional Engineer points out that such staff as exists is immobilized owing to lack of tyres for their cars, their salary rates are so low that they must supplement them in other ways, and there are repeated office accommodation difficulties.

(c) Highways and Bridges.

There were a number of changes made in the various

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(c) Highways and Bridges.

There were a number of changes made in the various priority lists viz. as issued by Nos. 1 and 3 Districts, and by No. 205 Sub-Area. On the A.F.H.Q. (Chief Engineer's) lists there were no changes.

Weather conditions were a serious handicap, but in Marche there was fair progress. The Regional Engineer took over responsibility of Route 16 south of Ancona, and Routes 76 and 77, but active work will depend on the arrival of contractors' equipment by railway from Rome.

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The Army requires the early dismantling and removal of 7 Bailey-bridges in Marche, and plans for the construction of permanent new bridges at these sites are actively in hand.

It was reported that projects on highways other than those on Military priority lists are delayed because the Ministry of Public Works has not been able to finance them. At the same time, however, the Provincial Genio Civile are said to be "spending million of Lire on small projects which do not require such approvals."

(d) Electricity.

Detailed reports of conditions at numerous power stations, transmission lines, and so on were furnished, which need not to be re-stated here, since they are taken note of in the report of the Electrical Division.

Nevertheless, the following special points may be noted:-

(i) Two generator-sets were moved from Carassai to Pettorano, the output on one of them being diverted to Avezzano which urgently required a supplementary supply.

(ii) A partial repair was made to the dam at the Macerata Plant, and a new water channel built for the Francioline Plant near Ancona. Both these may be in service by early February.

(iii) Repair works started on the Fara-Petri Plant.

(iv) Transmission line Ancona-Fano completed, to be followed by re-building of the one from Ancona to Jesi. The important line Bari to Foggia restored some power to Pescara, but there was snow and gale damage, and snow-blocked roads seriously delayed repairs.

(v) The Avezzano position was improved by completing the transmission line to that place, from Vittorito.

(e) Industries (Rehabilitation).

This is active in Ancona province, but power production is low with Military demands high, and factory demands have been "most difficult to meet".

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(e) Industries (Rehabilitation).

This is active in Ancona province, but power production is low with Military demands high, and factory demands have been "most difficult to meet".

However, some power has been given to paper mills at Fabriano, and to a match-factory at Jesi. Other demands awaiting allocation of power are the following:-

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(i) Sulphur mines at Cabernardi

(ii) Porto San Giorgio - Amandola railway

(iii) Carbide factory at Ascoli

The Bomba Cement Works are getting some coal, which may presently result in a production of 600 tons of cement per month.

All brick production in the Ancona Compartimento is stopped, and no cement factories have been re-started there.

(f) Transport.

There is nothing further to add to previous reports, except to say that the position "daily grows worse". The Genio Civile were furnished with one tyre for their cars engaged on supervision work, and a few truck tyres were supplied that would not fit any vehicle in use by any contractor. An officer was specially detailed to co-ordinate "return loads" in trucks, returning from points in the Region, which might otherwise be travelling empty. These return-loads will consist of constructional materials, and a positive effort was made through the Regional and Provincial "truck-pool controls" to that end.

(g) Works and Buildings.

Numerous smaller schemes were delayed through lack of finance. Repairs to the water scheme in Ancona were in hand, and on reservoirs at Chieti and Francavilla. Many small repair works (each less than 200,000 Lire) were in progress, those not requiring special authority from the Ministry. In Ancona a Project for providing 107 apartments made progress, as did also a related scheme in the salvage of materials from damaged buildings.

(j) Labour Conditions.

The Regional Engineer considers that these present a potentially "dangerous situation", with particular reference to the great majority of the labour employed on his schemes

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(f) Transport.

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(j) Labour Conditions.

The Regional Engineer considers that these present a potentially "dangerous situation", with particular reference to the great majority of the labour employed on his schemes, viz. outside workers, exposed to the weather. The pay of skilled and non-skilled workmen as compared to actual living costs for clothing, food and other necessities appears to be deplorable. Boots and shoes are a particular problem, coupled

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with clothing. The Regional Engineer had had numerous requests from the Genio Civile and their contractors for boots. The Regional Supply officer had been informed that they are all diverted to the Italian Army. At the same time, in various parts of the Region, retail stocks were openly displayed in shops at prices ranging from 2000 to 3000 Lire a pair. This price is far beyond the capacity of any labourer.

Matters so mentioned are purely incidental, but it is to be realised that they have a direct bearing (even boots and clothing) on the program of repairs and re-construction with which Central Italy is faced.

Note: On pages 42 and 43, there is a tabular statement showing value of Public Works projects in January.

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Public Works Projects in Abruzzi-Lorche Region

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during
Schools of Military Priority					
Bridges	9	10,280,000	--	--	
Bridges	19	18,272,500	3	4,566,000	
TOTAL	28	28,459,500	3	4,566,000	
Schools other than of Military Priority but for which the start of work was					
Roads	4	6,515,000	6	3,38,000	
Bridges	9	5,653,000	2	2,249,000	
Public Buildings	--	--	1	97,000	
Sewers, Water works & Utilities	--	--	--	--	
Housing	--	--	--	--	
TOTAL	13	12,168,000	9	5,685,000	

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Public Works Projects in Abruzzi-Marche Region

ated g Month	Cost (Lire)	Completed during Month	Cost (Lire)	In Progress during Month	Cost (Lire)
Schemes of Military Priority					
	10,680,000	--	--	--	--
	18,270,500	3	4,566,000	5	6,105,500
	29,159,500	3	4,566,000	5	6,105,500
ther Ops of Military Priority but for which the approval of AC/AS has required.					
	6,533,000	6	3,329,000	26	27,136,000
	5,653,000	2	2,289,000	16	8,718,000
	--	1	97,000	3	6,558,000
	--	--	--	1	2,100,000
	--	--	--	2	714,000
	12,168,000	9	5,683,000	56	75,636,000

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Sewerage handled inadequately by Italian authorities

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	I pro during
Barracks	17	32,511,000	3	317,412	15
Bridges	5	2,490,000	-	-	-
Public Buildings	21	11,276,120	9	937,950	11
Sewers, water mains & Utilities	1	365,000	1	120,217	-
Houses	24	15,232,760	-	-	39
Total	68	73,361,880	13	1,101,749	68

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Sources handled independently by Italian Authorities

...ated ...e month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
37	32,911,[illegible]	3	319,112	15	8,138,510
5	2,[illegible]0,000	-	-	-	-
21	11,2[illegible]8,120	6	897,950	11	11,713,376
1	[illegible]65,[illegible]6	1	156,327	-	-
24	15,937,260	-	-	9	25,959,626
8	73,361,880	13	1,401,749	68	45,811,562

20. SARDEGNA REGION - (No Regional Engineer).

Responsibility in Sardinia was handed over to the Ministry of Public Works in September 1944. The "Provveditore alle Opere Publiche" is Sig. Buttini, who is responsible for the submission of monthly reports to the Sub-Commission. He was absent from his post at Cagliari for the greater part of two months, to the annoyance of the Regional Commissioner (and also of this Sub-Commission) but he returned to his duties in December.

His report covering activities in January is lengthy and detailed, but of minor interest except that the following points may be noted :-

(i) Debris clearance in the City of Cagliari was 88 % completed, with demolition of dangerous buildings in smaller proportion.

(ii) Repairs to public buildings made continued progress, shortage of glass for windows resulting in wood or cardboard being used as substitutes.

A first plan providing accomodation for 1500 people was nearly executed, with a second similar project under preparation. Together they involve about 200 buildings, and the cost will be 5 M.L.

(iii) Gas-supply to the City is being slowly extended, but damage to distribution mains has limited the supply to only 25 % of the former area.

A certain amount of street lighting (by electricity) is now provided.

(iv) Heavy rains in December filled the Cagliari reservoirs, and rationing of water-supplies was suspended.

(v) Practically no bridges were damaged in Sardinia. Routine road maintenance continues, to the modest extent of a financial provision of 23 M.L. for the financial year ending 30th of June 1945.

(vi) In the much-damaged port of Cagliari repairs to quays and piers continued, also to railway lines and cranes.

(vii) Approval is still awaited, by the Italian Ministry,

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points may be noted :-

(i) Debris clearance in the City of Cagliari was 80 % completed, with demolition of dangerous buildings in smaller proportion.

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A first plan providing accomodation for 1500 people was nearly executed, with a second similar project under preparation. Together they involve about 200 buildings, and the cost will be 5 M.L.

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(vi) In the much-damaged port of Cagliari repairs to quays and piers continued, also to railway lines and cranes.

(vii) Approval is still awaited, by the Italian Ministry, for a project of Benifiche and anti-malaria works in the Island estimated to cost 92 M.L.

(viii) Structural materials are in very short supply, and there are serious transport difficulties in the moving of them from place to place.

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(ix) Reports furnished of minor works in the Provinces of Sassari and Nuoro.

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21. TOSCANA REGION - (Regional Engineer: Lt.Col. P.S.L. LEE. R.E.)

(a) General Observations.

Though there was a relaxation of control i.e. over schemes estimated to cost less than 200,000 Lire, the number reaching the Regional Engineer in January exceeded 200.

Both No. 1 District (Military) and P.B.S. handed over additional road maintenance responsibility, together with a "long-term" bridge re-construction program required by the Armies.

Some important work had to be postponed because the Military Railway Service made exceptional demands for bricks and cement. An investigation is being made as to the "air-dried" method of brick making, so as to increase production without using more fuel.

Flooded areas mentioned in the November and December reports have been reduced and conditions much improved. Reconstruction of flood-defence works made good progress.

Surveys and supervision by the Regional Engineer and his officers were limited by lack of vehicles, and particularly tyres, to the extent that "very little supervision of works in progress was possible ".

(b) Personnel.

There were considerable personnel changes in both highways, public works, and electrical specialist officers. Work in this (Toscana Region) is probably now of a heavier and more urgent nature than in most of the other Regions, and the Regional Engineer reports a still existing shortage of officers.

His staff was fortunately strengthened by assistance from 5th Army A.M.G., who provided Engineer officers, one for Pistoia Province and another for Lucca.

(c) Highways and Bridges.

Weather conditions coupled with heavy concentration of

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(c) Highways and Bridges.

Weather conditions coupled with heavy concentration of Army traffic (both tracked and wheeled) resulted in serious deterioration of both main and secondary roads.

The Army was apparently short of both personnel and equipment, and the Regional Engineer was asked for special assistance in many directions. Additional civilian equipment was found, here and there, and put into service. In some parts of the Region there was an excess of labour where factories

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cannot be re-started through lack of electricity, whilst in other areas there were serious labour shortages for both road and bridges works.

(d) Public Works (including buildings)

In January a large volume of work was in hand, including numerous school buildings on lists of priorities prepared by the Regional Education Officer. Similarly, at the request of the Public Safety Sub-Commission, prison buildings were being repaired. First-aid repairs to houses and the conversion of buildings for emergency accomodation continued, particularly in the province of Grosseto, where the housing position is reported to be acute.

Demolitions and debris removal is a second large category of work. The worst areas have been started, but heavy monthly expenditure will be incurred for some time. A large number of small towns and villages are involved.

Several large flood-control projects were in hand, particularly in the Grossetana and Paludi di Fucecchio Bonifiças. These are being done in conjunction with the Agriculture Sub-Commission, which is specially concerned to ensure the productivity of inundated farm-lands at the earliest possible date. Damage is heavy, and there will be a large expenditure continuing for several months.

Generally, it is reported that the Genio Civile are now dealing with increasing numbers of building repairs, urgent works of water supply and sewerage having now been largely completed.

(e) Electricity

In January the Regional Engineer (under instructions from H.Q. of the Sub-Commission) was relieved of responsibility for rehabilitation of plants and transmission lines except the small ones, viz. of below 30 K.V. capacity. Power rationing for civilian requirements remains a Regional responsibility. At least one more Electrical Officer is specially asked for, because of the serious problem of providing power for essential industries,

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Changes in the "grid-system", with centralized control in Rome since the middle of January, and the effects of reduction in the "frequency figure", cannot be reported on fully for another month or two.

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(f) City of Florence.

For some months a senior officer of the Regional Engineer's staff has been acting, in effect, as City Engineer of Florence.

Preparation of plans for the re-building of the Ponte San Nicolo were completed and tenders invited for the work. For the re-construction of the Ponte della Vittoria competitive plans are being obtained. New piers for the bridge at Ponte alla Carraia were almost finished, these being designed to carry a semi-permanent bridge of the "Brambe" type (steel-sections, now made in Italy).

Within the City the electric supply situation was "still very bad ", with little available for the civil population after Military requirements had been met. The Allocation Board controlling the rationing was working hard, to get the best results possible.

On the other hand the gas position was extremely favourable, repairs to mains and other equipment having resulted in a greater supply of "Metano" (natural gas) than the actual demand. Within the City 8,400 cubic meters a day are now available. Arising out of this, numerous vehicles are being converted to run on the gas, and at the end of January 100 of them were in service.

At the ordinary Gas Works retorts had been repaired and were being re-heated, and distribution mains were being checked to repair leakages.

Note: Tabular statements on pages 48 and 49 show the value of Public Works projects in January.

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Public Works Projects in Tuscany Region

Type	Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during mo
Schemes of Military Priority					
Roads	8	9,254,680	2	2,585,000	5
Bridges	18	32,715,891	4	2,377,000	21
Building Yards	3	6,300,000	-	-	2
TOTAL	29	18,511,171	6	4,762,000	28
Schemes other than of Military Priority but for which approval of AC/AS was required					
Roads	10	4,330,700	1	257,322	9
Bridges	22	9,251,573	5	1,627,722	16
Sewers, Water Works & Utilities	16	2,134,700	2	300,000	33
Flood control & Ports	30	19,738,109	3	1,982,699	57
Removal of debris from Streets & Rivers	30	16,269,317	5	1,98,360	9
Hospitals, Schools & Prisons	17	2,696,633	-	-	24
Official & State Buildings	13	3,275,000	-	-	18
TOTAL Military for Area	147	65,253,608	19	5,276,716	267

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Continued

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Public works projects in Toyama Region

ated months	Cost (Yen)	Completed during month	Cost (Yen)	In progress during month	Cost (Yen)
		Defense of Military Priority			
	2,434,423	2	2,582,000	5	2,838,900
	32,726,871	4	2,177,000	21	3,471,100
	6,200,000	-	-	2	1,116,000
	48,511,171	6	4,762,000	28	44,421,200
		Other than of Military Priority, but for which the period of 1 or more was required.			
	4,530,700	1	167,322	7	1,539,500
	9,223,571	8	1,627,734	56	22,208,201
	1,174,700	2	120,000	31	11,681,710
	19,736,109	3	1,582,600	57	11,853,704
	38,249,319	5	1,998,860	9	17,821,820
	5,351,431	-	-	24	8,904,124
	3,273,009	-	-	35	6,016,408
	65,203,660	19	5,276,716	217	116,925,277

Continued on next item.-

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Contd from previous Page.

Type	Initiated during month	Cost (Lacs)	Completed during month	Cost (Lacs)
Total carried forward	147	65,905,608	19	3,37,716
Houses	12	5,975,900	1	123,000
Misc. Wks	22	1,772,370	-	-
Harbour Installn	-	-	-	-
TOTAL	181	73,061,978	20	5,598,716

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Initiated during month	Cost (Lire)	Completed during month	Cost (Lire)	In progress during month	Cost (Lire)
147	65,765,108	39	5,276,716	259	146,925,277
12	5,375,900	1	123,000	7	2,502,000
22	1,770,370	-	-	3	174,881
-	-	-	-	4	3,016,000
181	73,061,078	20	5,399,716	273	152,618,158

22. EMILIA REGION - (Regional Engineer: Lt.Col. W.M. SPANN)

(NOTE : - Outside A.M.G. 8th Army area).

Engineering personnel (Public Works) in this Region are mainly engaged on duties in the 8th Army area. Such officers became, in effect, staff officers of A.M.G. 8th Army as from the middle of December.

All occupied territory in the Emilia Region is either in the 5th or 8th Army zones. In the former, covered by parts of Modena, Bologna and Forli provinces, there is no normal Regional activity.

Officers are working with and for 8th Army A.M.G., thus giving them knowledge and experience for the future, when full responsibility will be shouldered.

The Regional Engineer reports that cars are available but there are no tyres. The small staff of Italian engineers try to get round their 2 districts on bicycle or on foot (whilst for the Allied officers there is one Jeep with a spare tyre, and one Italian car with neither spare tyres, tools, nor chains. For all practical purposes four officers have only one Jeep, for tours of inspection and supervision.)

23. A.M.G. 8th Army.

(a) The report from A.M.G. (H.Q. 8th Army) for January notes that Lt.Col. Spann was responsible as Senior Engineer Officer, with two others, Major Woeber and Capt. Rogers. Major Gamble was temporarily transferred to duty on engineering (materials) supplies, working with the Senior Supply Officer A.M.G., and specially concerned with industrial reconstruction. Another officer, Lieut. Natalo, was temporarily attached to Forli Province, at Rimini assisting the Civile Affairs Officer there with special housing problems.

(b) Activity covered within the 8th Army area the whole of Forli Province, and about three quarters of Ravenna Province. On Route 9 there were 8 bridges under construction, and 4 on

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23. A.M.G. 8th Army.

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(b) Activity covered within the 8th Army area the whole of Forli Province, and about three quarters of Ravenna Province. On Route 71 there were 8 bridges under construction, and 4 on Route 72. Surveys and plans for bridges on Provincial and Communal roads were also in hand, and regarding water supply restoration; other surveys concerned the drainage of flooded areas, repairs to river banks, and the housing progrem in Rimini.

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(c) Buildings.

The principal project is at Rimini, where out of 30,000 people about 15,000 are "merely existing in very badly-damaged houses, many of which are beyond repair ". A group of Italian architects, engineers, and contractors have been engaged on re-planning for the last four months, and a comprehensive and sound long-range plan has been developed. In the immediate future all work will be concentrated on repairable structures, using recovered materials, and the clearing of the streets of debris. The Sindaco has appointed a special committee to work with the architects and engineers.

(d) Power Supplies and Industries.

Transmission lines from the south and west are being rebuilt. Industrial needs for power have not yet been settled, but as already noted one of the Regional Engineer's officers (Major Gamble) was loaned specially to assist in getting essential factories re-started.

(e) Public Services.

Both water and sewerage repairs are being done at Rimini. Water supplies at Forli are very limited, but conditions will be better when electricity is available for pumping.

The water-main supplying Ravenna is being repaired by 8th Army R.E., broken sections being dealt with by the insertion of small pipes (the only ones available) which may enable 25 % of the normal flow to reach the town.

Genio Civile staff is preparing a 9 M.L. + project for land-reclamation, in five areas between Cesena and Ravenna.

On five small rivers dykes are to be repaired at a cost of 7 ML.

+ M.L. = millions of Lire.

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+ M.L. = millions of Lire.

(f) Transportation.

The 8th Army provided a fair number of transport vehicles.

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(g) Bridges.

In Forli Province alone there are 359 destroyed bridges. Of the more important ones 11 were in hand in January, with surveys and plans for 30 more in the immediate future.

The number destroyed in Ravenna Province is not known, the northern part being still in German hands.

The Commune of Cesena had 63 bridges destroyed, of which 30 were temporarily repaired to carry light traffic.

In the higher mountain areas the Regional Engineer's contractors had considerable difficulty in getting labour to the various sites due to snow, to which difficulty was added very poor boots and inadequate clothing for large numbers of the men.

24. PIEMONTE-LIGURIA REGION - (Regional Engineer: Lt.Col. C.R. BIRCHETT)

LOMBARDIA REGION - (Regional Engineer: Col. C.I. BOLICK, F.A.)

VENEZIA REGION - (Regional Engineer: Major W. KNIGHT, M.C.)

(a) In Lombardia Region there are only at the moment two officers assigned, including the Regional Engineer. The latter was on temporary duty with the Lazio-Umbria Region, and the other (Major Crowther) on similar duty with A.M.G. 5th Army.

(b) As for Piemonte-Liguria Regions there was nothing of active interest to report, beyond the fact that the nucleus of officers assigned did a great deal of preliminary planning work, of exceptional scope and thoroughness.

(c) Venezia Region not being (as yet) active, no report is rendered.

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25. A.M.G. FIFTH ARMY.

Major Geither is the A.M.G. Engineer Officer with 5th Army.

His report for January was brief, merely stating that conditions remained static. There was severe shortage of electric power which meant that small cement factories could not operate, shortage of the product itself slowing down a number of bridge and general repair projects.

Five mobile electric power generators were received in January for lighting service, thus releasing equivalent energy for industries.

Pump-operations for the drainage of flooded lands had to be reduced to only 8 hours out of the 24, which will greatly delay agricultural operations in the planting of parts of the areas.

Repairs to the water-aqueduct supplying Pistoia were expected to be finished by February.

L.A. JENNY,
Colonel, C.E.,
Director.

G.E. RHODES,
Lt-Colonel, R.E.,
Deputy Director.

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January for lighting service, thus releasing equivalent energy for industries.

Pump-operations for the drainage of flooded lands had to be reduced to only 8 hours out of the 24, which will greatly delay agricultural operations in the planting of parts of the areas.

Repairs to the water-aqueduct supplying Pistois were expected to be finished by February.

L.A. JENNY,
Colonel, C.E.,
Director.

G.E. RHODES,
Lt-Colonel, R.E.,
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