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37 (1 OF 2) WEEKLY REPORTS
JUN.-OCT. 1945

Torino 1 October 1945

TO : Capt. CONWAY
Allied Commission
Turin

Subject: Weekly reports

In the last week works have been going on just as shown by the reports, besides that the track between Carisio and Buronzo on the line Sabthià-Arona has been restored)and track between Ceva and Castellino on the line Savona- Carmagnoàà restored.
For what is concerning track lines:

a) - Even tracks from Km.35+800 to Km.36+300 of the line Torino Alessandria between Villanova and Villafranca d'Asti havebeen restored.

b) - Even tracks from Km.42+000 to Km.42+200 of the line Torino-Modane between Borgone and Bussoleno have been restored .

c) - Even tracks from Km.38+180 TO Km.38+930 of the line Torino Milano between Torrazza and Saluggia have been restored.

d) - On the same line even tracks between Castelrosso and Torrazza from Km.33+374 to Km.33+464 have been restored.

e) - At Alessandria Centrale the 5th line and the 3rd. line have been restored , and at Alessandria Smistamento the 4th Line (departure) has been restored.
In the same week Kg.225.298 of iron materials have been recovered along the lines of the section and sent to Torino Dora to be stored in the Magazzino Approvigionamenti of Torino Smistamento.

CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : FOSSANO = CEVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori
1)	Walled Viaduct 16 arches 25 m. span on river Ellero at Km.19+722	8 arches, 6 piers one shouledr collapsed	Removal of debris	RACCA COSTANZO	20.8.45

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O R I N O

SANO = CEVA

Rapporto settimanale al 1 October 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
arches, 6 piers ne shouledr ollapsed	Removal of debris	RACCA COSTANZO	20.8.45	75 %	20.10.45	800.000	Removal of debris proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : SAVONA CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 5 arches 30 m. span on river Acquabona at Km.8+127	3 arches 2 piers side San Giuseppe collapsed	Permanent repairs	DE MARTINI ALESSIO	19.9.45	3 %
2)	Walled Bridge 5 arches 18 m. span on Rio Isola at Km.9+408	Substaining cone first pier completely collapsed	" "	"	19.9.45	3 %
3)	Walled Bridge 6 arches on river Letimbro at Km.10+561	4 Central arches 4 piers collaspeed in the Letimbro	" "	"	19.9.45	3 %
4)	Walled Bridge on River Tanaro at Km.37+529 between Niella and Bastia	3 arches 2 piers collapsed	" "	FENAROLI	13.8.45	14 %

N.B. The works of the new Line San Giuseppe-Altare-Savona, have been suspended by order of the Transportation Minister

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O R I N O

Rapporto settimanale al 1 October 1945

NA CARMANGOLA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 arches 2 piers sidd San Giuseppe collapsed	Permanent repairs	DE MARTINI ALESSIO	19.9.45	3 %	11.12.45		
Substaining cone first pier completely collapsed	" "	"	19.9.45	3 %	11.12.45	28.550.000	Setting dock yard, and digging the foundations
4 Central arches 4 piers collaspsed in the Letimbro	" "	"	19.9.45	3 %	11.12.45		
3 arches 2 piers collapsed	" "	FENAROLI	13.8.45	14 %	13.11.45	3.200.000	Reconstruction 2nd pier nearly finished. The work has increase of 30% for an amount of L. 1.300.000 on account of the reconstruction of the 3rd. arch and of another pier that have collapsed during the works. That, is the reas why the percenta of the work done remains unalte

ks of the new Line San Giuseppe-Altare-Savona, have been
ed by order of the Transportation Minister

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : SAVONA = CARMAGNOLA (continued)

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
5)	Walled Bridge 3 arches 13.40 m. span on river Pesio at Km.63+939	One arch and One pier collapsed	Permanent works	DUTTO MORESCO CHIARIVA	10.9.45	7 %
6)	Walled Bridge 5 arches 20 m. span at Km.69+795 between Carrù and Farigliano	Front walls demolished and arch damaged	Part of the work restored. Retsoration of the arch in brick and cement and completion of the permanent works	RIZZO RONCO GIUSEPPE	22.8.45	100
7)	Walled Bridge on river Tanaro 5 arches at Km.81+072	Arches and piers collapsed	Temporary restoration with iron beams	RACCA		—

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O R I N O

A = CARMAGNOLA (continued)

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
One arch and One pier collapsed	Permanent works	DUTTO MORESCO CHIARIVA	10.9.45	7 %	9.11.45	1.620.000	Setting up centerings and dock yard
9 Front walls demolished and arch damaged	Part of the work restored. Retsoration of the arch in brick and cement and completion of the permanent works	RIZZO RONCO GIUSEPPE	22.8.45	100 %	30.9.45	300.000	Works complete
Arches and piers collapsed 972	Temporary restoration with iron beams	RACCA	-			3.000.000	The works have been given to the firm Racca Costanzo and will commence on the 1st October

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : CEVA = ORMEA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Bridge on River Tanaro Km.4+446 between Ceva and Nucetto	7 arches 15 m. span collapsed	Removal of debris	DECISI LUIGI		
2)	Bridge on river Tanaro at Km.6+365 between Ceva and Nucetto	5 arches collapsed	" " "	DECISI LUIGI	19.9.45	50 %
3)	Viaduct on river Cevetta at Km.0+782 between Ceva and Nucetto	6 arches and 5 piers collapsed	Removal of debris completed, strengthning of week pier.	DECISI LUIGI	15.9.45	25 %

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- T O R I N O

CEVA = ORMEA

Rapporto settimanale al 1 October 1945

3

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
r 6 nd	7 arches 15 m. span collapsed	Removal of debris	DECISI LUIGI				197.000	Contract made works will commence on 1st. October.
r +366 and	5 arches collapsed	" " "	DECISI LUIGI	19.9.45	50 %	14.10.45	400.000	Removal of deb proceeding
er O+782 nd	6 arches and 5 piers collapsed	Removal of debris completed, strengh tning of week pier.	DECISI LUIGI	15.9.45	25 %	20.10.45	100.000	Works proceeding for the strenghtnin of week pier

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : SAVIGLIANO = SALUZZO

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguit
1)	Walled Bridge 4 arches 15 m. span at Km.6+737	2nd arch partially collapsed side Saluzzo	Temporary restoaration	Soc. NUOVE COSTRUZIONI	11.9.45	3

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AVORI - T O R I N O

nea : SAVIGLIANO = SALUZZO

Rapporto settimanale al 1 October 1945

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zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge 4 45 m. span +737	2nd arch partially collapsed side Saluzzo	Temporary restoaration	Soc. NUOVE COSTRUZIONI	11.9.45	3 %	10.11.45	534.000	Demolition of the arch commenced.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunt
1)	Walled bridge 3 arches 10 m. span at Km.34+963 on river Mellea	First arch partially collapsed	Temporary restoration	MAFFIOTTO FELICE	12.9.45	6 %	11.1[illegible].4

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O R I N O

Rapporto settimanale al 1 October 1945

OFARELLO = CUNEO

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
First arch partially collapsed	Temporary restoration	MAFFIOTTO .FELICE	12.9.45	6 %	11.1£.45	856.350	Work has been suspended by order on the 24.9.45 on account of the deviation of the tracks by order of the Railway ADMINISTRATION

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : CUNEO = GESSO = VENTIMUGLIA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 3 arches 21 m. span on river Gesso at Km.12+850	3 arches collapsed Piers and shoulders damaged	Temporary restoration	DUTTO MORESCO CHIARIVA	22.8.45	95 %

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RI - T O R I N O

: CUNEO = GESSO = VENTIMUGLIA

Rapporto settimanale al 1 0 ctober 1945

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nc ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 3 t. span esso 60	3 arches collapsed Piers and shoulders damaged	Temporary restoration	DUTTO MORESCO CHIARIVA	22.8.45	95 %	21.10.45	660.000	Subustainers are getting ready where iron beams (Differdingen) will have to lie.

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : PINEROLO = TORRE PELLICE .

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	e gu
1)	Rail Road ridge 3 arches 17 m. span on river Chisone at Km.2+872	3 arches collapsed	Deviation of the tarcks	AFFIOTTO FELICE	23.10.45	

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ORI - T O R I N O

Rapporto settimanale al 1 October 1945

a : PINEROLO = TORRE PELLICE

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 7 m. span hisone 2	3 arches collapsed	Deviation of the tarcks	AFFIOTTO FELICE	23.10.45	40 %	23.10.45	1.257.750	Basis for pie and shoulders side Pinerolo finished. Wall rks going on

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : AIRASCA = CAVALLERMAGGIORE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Rail Road Bridge 5 arches 17 m. span on river Pellice at Km. 13+339	5 arches collapsed	Removal of debris	ATES	27.8.45	50

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RI - T O R I N O

Rapporto settimanale al 1 October 1945

: AIRASCA = CAVALLERMAGGIORE.

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge 7 m. ver Km.	5 arches collapsed	Removal of debris	ATES	27.8.45	50 %	25.10.45	948.000	Removal of debris proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : TORINO = GENOVA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 5 arches 12 m. span on river Stenavas at Km.37+733	3 arches 1 pier 1 shouledr collapsed	Temporary restored with Diferdingen beams	CASTAUDI & SERRA	20.6.45	22 %
2)	Walled Bridge 5 arches on river Traversa at Km. 46+150	One arch collapsed and rest partially damaged	Temporary restored with Differdingen beams.	DEBERNARDI FELICE	20.6.45	56 %
3)	Viduct 5 m. at Km.23+007 between Pessione and Villanova	Half arch collapsed basis damaged	Tempoarary restored	DEBERNARDI FELICE	20.6.45	56 %

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LAVORI - T O R I N O

nea : TORINO = GENOVA

Rapporto settimanale al 1 October 1945

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zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 5 2 m. span Stenavas +733	3 arches 1 pier 1 shouledr collapsed	Temporary restored with Diferdingen beams	CASTAUDI & SERRA	20.6.45	22 %	31.12.45	11.610.000	Demolition of dameged part proceed Restoration to shoulder side Genova
ridge 5 n river at Km.	Qne arch collapsed and rest partially damaged	Temporary restored with Differdingen beams.	DEBERNARDI FELICE	20.6.45	56 %	12.11.45	1.700.000	Demolition damaged part under the odd track.
m. at 7 between and a	Half arch collapsed basis damaged	Temporary restored	DEBERNARDI FELICE	20.6.45	56 %	15.11.45	800.000	Rebuilt part corresponding to even track. On the 25.9. even track between Pessione and the bridge has been restored Demolition of the other part of the track.

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SEZIONE LAVORI - T O R I N O

Linea : TORINO = GENOVA

Rapporto settima

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
4)	Walled Bridge 5 arches 9 m. span on river Borbore at Km.54+797	Arch and corresponding piers damaged	Temporary restored	DEBERANRDI	2.7.45	25 %	15.
5)	Overline at Km.21656	Arch partially demolished	Temporary restored	DEBERNARDI	2.7.45	75 %	15

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RI - T O R I N O

: TORINO = GENOVA

Rapporto settimanale al1 October 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 span rbore 7	Arch and corresponding piers damaged	Temporary restored	DEBERANRDI	2.7.45	25 %	15.11.45	1.300.000	Wall works proceeding
	Arch partially demolished	Temporary restored	DEBERNARDI	2.7.45	75 %	15.11.454	300.000	Main arch and front wall rebuilt Reconstruction of banister side Torino proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : GENOVA = OVADA= ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
1)	Iron Bridge 3 beams on river Tanaro at Km.101+710	One beam damaged One pier collapsed and corresponding shoulders damaged	Beam restored Pier restored repairs to damaged shoulder.	ANSALDO (Metal works) TESSITORE (Wall works)	23.8.45	18 %	15.12.45

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- T O R I N O

GENOVA = OVADA= ASTI

Rapporto settimanale al XXXXXXXXXXXXXXXXX45
1 October

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
beams ro	One beam damaged One pier collapsed and corresponding shoulders damaged	Beam restored Pier restored repairs to damaged shoulder.	ANSALDO (Metal works) TESSITORE (Wall works)	23.8.45	18 %	15.12.45	7.000.000	Works of restoration have been given to Ansaldo which is provvis ding for . on materials needed. Wall works have ot yet begun on accou of the beam lying on the debris of the damaged pier and has to be lift by Ansaldo. For this work it i needed 265 ton. of iron material

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : TORINO = MODANE

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguit
1)	Bridge on river Dora Riparia 3 arches 15.53 m. span atKm?33+387	2 arches complte=ly collapsed	Train running temporary on iron beams. Permanent restorations proceeding	GUERRINI	16.7.45	35
2)	Underway 5.77 m. at Km.82+310 Walled Bridge on river Bardonecchia at Km.82+328	Vault collapesd	Vaults are being permanently repaired	GILLIO	10.7.45	90
3)	Bridge 3 Arches on river Melezet at Km.83+622	Bridge totally collapsed	Permanent repairs	ANGIOLINI	10.7.45	40

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ONE LAVORI - T O R I N O

Linea : TORINO = MODANE

Rapporto settimanale al 1 October 1945

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Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiale non disponibile
ge on river Riparia 3 es 15.53 m. atKm?33+387	2 arches completely collapsed	Train running temporary on iron beams. Permanent restorations proceeding	GUERRINI	16.7.45	35 %	15.11.45	6.000.000	Restoration to pier side Susa Setting up centerings for the reconstruction of the 3d arch finish
rway 5.77 m. m.82+310 ed Bridge on r Bardonecchia m.82+328	Vault callapesd	Vaults are being permanently repaired	GILLIO	10.7.45	90 %	10.10.45	4.000.000	Works proceeding to the walls and shoulder side Bardonecchia
ge 3 Arches iver Melezet m.83+622	Bridge totally collapsed	Permanent repairs	ANGIOLINI	10.7.45	40 %	15.11.45	12.000.000	Shoulders and piers have been lifted to the height of the arche Construction of the centerings finished.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TORINO = MOADEN (continued)

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
4)	Tunnel Frejus at Km.85+400	Collapsed for a lenght of 200 m. South at the mouth of the tunnel	Permanent repair	BRUNETTI	31.7.45	15 %

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ONE LAVORI - T O R I N O

Linea : TORINO = MOADEN (continued)

Rapporto settimanale al 1 October 1945

Toicazione ell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazion e materiali non dispor
el Frejus m.85+400	Collapsed for a lenght of 200 m. South at the mouth of the tunnel	Permanent repair	BRUNETTI	31.7.45	15 %	15.3.46	12.000.000	Removal of debris p ceeding Erected reconstru= ction rs ring of 5 m.

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : AST = CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
1)	Walled Bridge 13 arches on river Po at Km.46+838	9th Arch collapsed First damaged	Permanent repairs to arche	PIGLIONE EDOARDO	2.7.45	80 %	20

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LAVORI - T O R I N O

Rapporto settimanale al 1 October 1945

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Linea : ASTI = CHIVASSO

azione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge 13 on river Km.46+838	9th Arch collapsed First damaged	Permanent repairs to arche	PIGLIONE EDOARDO	2.7.45	80 %	20.10.45	2.000.000	Set up center to the first arch

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : SANTHIA = ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron Bridge 5 arches on river Elvo at Km.6+398	First arch collapsed sencond cut.	Permanent repairs	SAVIGLIANO	1.8.45	98 %

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e : SANTHIA = ARONA

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one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 archès Elvo at	First arch collapsed sencond cut.	Permanent repairs	SAVIGLIANO	1.8.45	98 %	30.9.45	1.500.000	Works nearly finished

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea :NOVARA = DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist presu
1)	Iron Bridge of 7 beams 56.25 m. on river Toce at Km.66+217	5th pier collapsed and beam between 5th and 6th pier 6th and 7th beam collapsed in the river bed.	Permanent repairs to the beam	SAVIGLIANO	1.8.45	10 %	--
2)	Bridge 3 arches 4.90 m. span on Lanca di Ornavasso at Km.64+481	First pier and 2 arches side Novara collapsed. Second pier and shoulder side Domodossola seriously damaged.	Permanent repairs	CRISTINA	2.7.45	25%	30.11

6532

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AVORI - T O R I N O

nea :NOVARA = DOMODOSSOLA

Rapporto settimanale al 1 Ocotber 1945

14

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge of 7 .25 m. Moce at	5th pier collapsed and beam between 5th and 6th pier 6th and 7th beam collapsed in the river bed.	Permanent repairs to the beam	SAVIGLIANO	1.8.45	10 %	---	7.000.000	Officine Savigliano are still awaiting for the iron from the Ferrie Piemontesi to be able to begin the work.
arches pan on Ornavasso 481	First pier and 2 arches side Novara collapsed. Second pier and shoulder side Domodossola seriously damaged.	Permanent repairs	CRISTINA	2.7.45	25%	30.11.45	1.000.000	First part of the work for an amount of L.200000 finished by Cristina. Leases for new contractors for the completion of w ll works.

4b

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Linea : TORINO = MILANO

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	De... pr... pr...
1)	Bridge on river Ticino at Km.114+133	Arches and some piers seriously damaged	2 of the damaged arches have to be strenghtned	GIROLA UMBERTO	24.V.45	100 %	2

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1936

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORI - T O R I N O

Rapporto settimanale al 1 October 1945

a : TORINO = MILANO

15

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
river	Arches and some piers seriously damaged	2 of the damaged arches have to be strenghtned	GIROLA UMBERTO	24.7.45	100 %	2.500.000		Strenghtning of the first arch with centerings of wood finished. Works will soon start for the wall repairs to the Bridge which have been given to the Firm Guerrini.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : CUNEO = MONDOVI

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 3 arches 15 m. span on river Tesio at Km.13+401	Pier side Mondovi damaged	Tempoarary repairs	PIOVANO DOMIZIO	12.9.45	35 %

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- T O R I N O

CUNEO = MONDOVI

Rapporto settimanale al 1 October 1945

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	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni o materiali non dispon.
3 span o	Pier side Mondovi damaged	Tempoarary repairs	PIOVANO DOMIZIO	12.9.45	35 %	£.11.45	200.000	Strenghtning basis of 2nd pier.

rin 23 rd September 1945

To Capt. CONWAY
Allied Commission
TURIN

In the last week the works proceeded just as shown by the reports.
For what is conxerning the tracks:
a) - Even tracks have been restored from Km.35+00 to Km.35+800 on the line Torino Alessandria between Villanova and Villafranca d'Asti.

b) - Even tracks have been restored between Baldichieri and San Damiano for an amount of 800 m.

c) - Even tracks have been restored from Km.41+950 to Km.42+100 on the line Torino-Modane between Borgone and Bussoleno.

d) - At the Station of Alessandria Centrale 5th and 6th track of goods have been restored as well as the 3rd track.

e) - At the station of Alessandria Smistamento the 11th and 12th ~~line~~ track (arrival) 3rd 4th track (departure) have been restored.

f) - At the station of NovaraSmistamento 2 switches at the 4th track (departure) 12th track (arrival) have been set up.

In the same week Kg?313778 iron materials have been recovered from the lines of the Section and sent to Torino Dora to be stored in the Magazzino Approviggionamenti of Torino Smistamento.

CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : FOSSANO = CEVA

N° arco	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Viaduct 16 arches 25 m. span each. Km.19+722 on river Ellero.	8 arches 6 piers 1 shoulder collapsed	Removal of debris	RACCA	20.8.45	65 %
2)	Walled Viaduct 9 arches 25 m. span each on river Tanaro at Km.37+319	6 Arches 4 piers 1 shoulder collapsed	" " "	BELLINO MICHELE	21.8.45	100%

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AVORI - T O R I N O

Rapporto settimanale al 24 September 1945

nea : FOSSANO = CEVA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Viaduct s 25 m. h. 2 on river	8 arches 6 piers 1 shoulder collapsed	Removal of debris	RACCA	20.8.45	65 %	20.10.45	800.000	
iaduct 9 5 m. span river t Km.37+319	6 Arches 4 piers 1 shoulder collapsed	" " "	BELLINO MICHELE	21.8.45	100%	20.9.45	200.000	Work is finis

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : SAVONA= CARMAGNOLA

No d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguit
1)	Walled Bridge 5 arches 30 m. span each at Km.8+127 on river Acquabona	3 arches 2 piers side San Giuseppe collapsed	Permanent repairs	DE MARTINI ALESSIO	19.9.45	2 %
2)	Walled Bridge 5 arches 18 m. span at Km.9+408 on Rio Isola	Substaining cone and first pier side Savona collapsed	" "	DE MARTINI ALESSIO	19.9.45	2 %
3)	Walled Bridge 6 arches 14 m. 18 m span on river Letimbro at Km.10+561	4 arches 4 piers collapsed in the Letimbro	" "	DE MARTINI ALESSIO	19.9.45	2 %
4)	Viaduct Braia at Km.46+291	4 arches 3 piers collapsed	Lifting up piers for the setting of tracks	RACCA	10.9.45	100
5)	Walled Bridge on River Tanaro at Km.57+529 between Niella and Bastia	3 arches 2 piers collapsed	Permanent repairs	FENAROLI	13.8.45	14
6)	Walled Bridge 3 arches 13.40 m. on river Pesio at Km.62+959	1 arch 1 pier collapsed	Permanent repairs	DUTTO MORESCO CHIARIVA	10.9.45	5 %

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T O R I N O

Rapporto settimanale al 24 September 1945

VONA= CARMAGNOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Date ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
an 7 ona	3 arches 2 piers side San Giuseppe collapsed	Permanent repairs	DE MARTINI ALESSIO	19.9.45	2 %	11.12.45		
n	Substaining cone and first pier side Savona collapsed	" "	DE MARTINI ALESSIO	19.9.45	2 %	11.12.45	28.550.000	
m	4 arches 4 piers collapsed in the Letimbro	" "	DE MARTINI ALESSIO	19.9.45	2 %	11.12.45		
t	4 arches 3 piers collapsed	Lifting up piers for the setting of tracks	RACCA	10.9.45	100 %	20.9.45	200.000	Works ended
n en ia	3 arches 2 piers collapsed	Permanent repairs	FENAROLI	13.8.45	14 %	13.11.45	2.500.000	Rebuilding 2nd arch of the Bridge
at	1 arch 1 pier collapsed	Permanent repairs	DUTTO MORESCO CHIARIVA	10.9.45	5 %	9.11.45	2.000.000	Setting up centerings and dock yard PROceeding

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Linea : SAVONA = CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
7)	Walled Bridge 4 arches 20 m. span at Km.69+795	Demolition front walls and damaged arch	Permanent repairs	RUZZO PAOLO	22.8.45	60 %	22
8)	Bridge 6 arches 20 m. on river Stura at Km.88+901	4th arch Collapsed	Permanent repairs	ROSAZZA LANZA	2.7.45	100 %	2

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- T O R I N O

SAVONA = CARMAGNOXLA

Rapporto settimanale al 24 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
4 pan	Demolition front walls and damaged arch	Permanent repairs	RUZZO PAOLO	22.8.45	60 %	22.10.45	300.000	Demolition front and side walls
s +90	4th arch Collapsed	Permanent repairs	ROSAZZA LANZA	2.7.45	100 %	20.9.45	2.200.000	Works ended

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SEZIONE LAVORI - T O R I N O

Rapporto sett.

Linea : CEVA = ORMEA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Bridge on river Tanaro at Km.4+466	7 arches 15m. span collapsed	Removal of debris	-	-	-
2)	Bridge on river Tanaro at Km.6+366 between Ceva and Nucetto	5 arches collapsed	" "	DECISI LUIGI	19.9.45	10 %
3)	Viaduct on river Cevetta at Km.0+782	6 arches and 5 piers collapsed	Strenghtning of the weak pier	DECISI LUIGI	15.9.45	20 %

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- T O R I N O

CEVA = ORMEA

Rapporto settimanale al 24 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
r +466	7 arches 15m. span collapsed	Removal off debris	-	-	-	-----	600.000	Contract not yet made
r +366 nd	5 arches collapsed	" "	DECISI LUIGI	19.9.45	10 %	14.10.45	400.000	Removal of debris of the center the arch
er 0+782	6 arches and 5 piers collapsed	Strenghtning of the weak pier	DECISI LUIGI	15.9.45	20 %	20.10.45	100.000	Working for the strengthning of the pier.

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : SAVIGLIANO = SALUZZO

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1)	Walled Bridge 4 arches 15 m. span on river Varaita at Km.6+737	2nd arch side Saluzzo partially collapsed	Temporary repairs	Soc. NUOVE COSTRUZIONI	11.9.45	3 %	10.

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I - T O R I N O

Rapporto settimanale al 24 September 1945

: SAVIGLIANO = SALUZZO

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 4 . spar raita	2nd arch side Saluzzo partially collapsed	Temporary repairs	Soc. NUOVE COSTRUZIONI	11.9.45	3 %	10.11.45	534.000	Demolition of the arch commenced

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
£)	Walled Bridge 3 arches 10 m. span at Km.34+963 on river Mellea between Cavaller= maggiore and Savi= gliano	First arch side Trofarello partial= ly collapsed	Temporary repairs	MAFFIOTTO FELICE	12.9.45	3 %	11

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ORI - T O R I N O

Rapporto settimanale al 24 September 1945

a : TROFARELLO = CUNEO

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 3 n. span 53 on ea valler= nd Savi=	First arch side Trofarello partial= ly collapsed	Temporary repairs	MAFFIOTTO FELICE	12.9.45	3 %	11.11.45	856.960	Demolition of the arch comme. ed

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D... p...
1)	Walled Bridge 3 arches 21 m. span on river Gesso at Km.12+850	3 arches collapsed piers and shoulders damaged	Temporary repairs	DUTTO MORESCO CHIARIVA	22.8.45	80 %	

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RI - T O R I N O

Rapporto settimanale al 24 September 1945

: CUNEO GESSO = VENTIMIGLIA

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 3 m. span esso 50	3 arches collapsed piers and shoulders damaged	Temporary repairs	DUTTO MORESCO CHIARIVA	22.8.45	80 %	21.10.45	660.000	Setting up (Pulvini) for the lying of the differdingen beams for the temporary restoratio of the traffic

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : PINEROLO = TORRE PELLICE .

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	De pr pr
1)	Rail & Road Bridge 3 arches 17 m. span on river Chisone at Km.2+872	3 arches collapsed	Deviation of the tracks	MAFFIOTTO FELICE	23.10.45	30 %	2

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O R I N O

EROLO = TORRE PELLICE .

Rapporto settimanale al 24 September 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e 3 arches collapsed 72	Deviation of the tracks	MAFFIOTTO FELICE	23.10.45	30 %	23.10.45	1.257.750	Digging and preparing basis for the foundations Building of the walls side Pinerolo commenced

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SEZIONE LAVORI - T O R I N O

Rapporto sett.

Linea : AIRASCA = CAVALLERMAGIORE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Rail & Road Bridge 5 arches 17 m. span on river Pellice at Km. 13+339	5 arches collapsed	Removal of debris	ATES	27.8.45	30 %

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VORI - T O R I N O

Rapporto settimanale al 24 September 1945

ea : AIRASCA = CAVALLERMAGIORE

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazioni e materiali non dispon.
oad Bridge 17 m. river t Km.	5 arches collaps= sed	Removal of debris	ATES	27.8.45	30 %	25.10.45	948.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : TORINO = GENOVA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres pres
1)	Walled Bridge 5 Arches 12 m. span on river Stenavasso at Km.37+733	3 arches 1 pier & shoulder collapsed	Temporary repaired with Dofferdingen bemms	CASTAUDI & SERRA	20.6.45	20 %	31.1
2)	Walled Bridge 5 arches 8m. 3m. span on river Traversa at Km.46+150	1 arch collapsed rest partially damaged	Temporary restored with Differdingen beams.	DEBERNARDI FELICE	20.6.45	55 %	12.

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T O R I N O

ORINO = GENOVA

Rapporto settimanale al 24 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
an	3 arches 1 pier & shoulder asso collapsed	Temporary repaired with Dofferdingen beamms	CASTAUDI & SERRA	20.6.45	20 %	31.12.45	11600000	Setting of poles for the central arches and for the shoulders sied Tor d. Demolition of the damaged rt: under the poles so as to rebuild new shoulders an pier. Works going on for the reconstruction of the shoulder side Genova.
	1 arch collapsed rest partially damaged	Temporary restored with Differdingen beams.	DEBERNARDI FELICE	20.6.45	55 %	12.11.45	1.700.000	Half arch beneath th even track ended. Electrificat n of the line that will be completed on the 25.9.45 between Baldichie and S.Damiano

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : TORINO = GENOVA

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
3)	Viaduct 5 m. at Km.23+007 between Peesiome and Villanova	Half an arch and basis damaged	Temporary repairs	DEBERNARDI	20.6.45	55 %	
4)	Walled Bridge 5 arches 9 m. at Km.54+797 on river Borbore	Arch and corresponding piers damaged	Temporary reconstruction	DEBERNARDI	2.7.45	15 %	15
5)	Overline at Km.21+656 between Cambiano and Pessione	Part of the arch damaged	Temporary restored	DEBERNARDI FELICE	2.7.45	45 %	15

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Rapporto settimanale al 24 Septembre 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
alf an arch and asis damaged	Temporary repairs	DEBERNARDI	20.6.45	55 %	15.11.45	800.000	Electrification of the line Pesione and the Bridge proceedin
Arch and corres=onding piers amaged	Temporary recon=struction	DEBERNARDI	2.7.45	15 %	15.11.45	1.300.000	Wall recons=truction pro=ceeding, awaitin for puttrelloin from Ivrea for t the substaining of the tracks, a so as to allow the reconstructi of the damaged arch.
art of the arch amaged	Temporary reston=red	DEBERNARDI FELICE	2.7.45	45 %	15.11.45	300.000	Main arch rebuilt. Reconstruction of the front walls proceeding

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SEZIONE LAVORI - T O R I N O

Linea : GENOVA = OVADA =ASTI

No. d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist. presa
1)	Iron Bridge 3 beams on river Tanaro at Km.101+710	One beam damaged One pier collapsed and corresponding shoulders damaged	Bema restored Collapsed pier restored and damaged shouled repaired	ANSALDO Iron works) TESSITORE (Wall works)	23/8/45	17 %	15.1

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AVORI - T O R I N O

Rapporto settimanale al 24 September 1945

aea : GENOVA = OVADA =ASTI

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 3 beams Tanaro +710	One beam damaged One pier collapsed and corresponding shoulders damaged	Bema restored Collapsed pier restored and damaged shouled repaired	ANSALDO (Iron works) TESSITORE (Wall works)	23/8/45	17 %	15.12.45	7.000.000	Works of restoration have been given to the ANSALDO which is provviding to all the iron needed. Wall have not yet begun on account of the beam that is lying on the debris of the collapesd pier and that has to be lifted by Ansaldo. For the restoration works it is needed 265 Ton. of iron materials and 600 Qls. of cement.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : TORINO = MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist presu
1)	Bridge on river Dora Riparia, 3 arches 15,53 m. span at Km.33+387	2 arches completely collapsed	Temporary restoration with iron beams . Permanent works proceeding	GUERRINI	16.7.45	25 %	15.11
2)	Underway 5.77 m. at Km.82.310 Walled Bridge of 18,21 m. on river Bardoneechia at Km.82+328	Vault collapsed	Permanent restoration to the arches	GILLIO	10.7.45	85 %	10.10
3)	Bridge 3 arches on River Melezet at Km.83+622	Bridge Totally Collapsed	Permanent repairs	ANGIOLINI	10.7.45	35 %	15.11
4)	Tunnel Frejus at Km.85+400	Completely collapsed at one Km. from the mouth south of the tunnel for 200 m.	Permanent restoration	BRUNETTI	31.7.45	12 %	15.3

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T O R I N O

ORINO = MODANE

Rapporto settimanale al 24 September 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
2 arches completely collapsed	Temporary restoration with iron beams . Permanent works proceeding	GUERRINI	16.7.45	25 %	15.11.45	6.000.000	Works proceeding for the reconsytuction of the of the shoulder and pier side Bardonecchia, Setting up centerings for the arches.
Vault collapsed	Permanent restoration to the arches	GILLIO	10.7.45	85 %	10.10.45	4.000.000	Repairs to the arches finished Repairs to the wall and shoulde side Bardonecchi proceeding.
Bridge Totally Collapsed	Permanent repairs	ANGIOLINI	10.7.45	35 %	15.11.45	12.000.000	Shoulder si Bardonecchia is being repaire Setting up cente rings for the arches.
Completely collapsed at one Km. from the mouth south of the tunnel for 200 m.	Permanent restoration	BRUNETTI	31.7.45	12 %	15.3.45	12.000.000	Removal of debr A.C. has provvi ded timber for the works

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : ASTI = CHIVASSO

N° d'ord	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
19	Walled Bridge 13 arches on river Po at Km.46+838	9th arch collapsed First arch damaged	Permanent repairs to arches	PIGLIONE EDOARDO	2.7.45	76 %	2

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- T O R I N O

ASTI = CHIVASSO

Rapporto settimanale al 24 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
13 r 8	9th arch collapsed First arch damaged	Permanent repairs to arches	PIGLIONE EDOARDO	2.7.45	76 %	20.10.45	2.000.000	Setting up centerings for the reconstruction of the arch

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SEZIONE LAVORI - T O R I N O

Linea : SANTHIA = ARONA

Rapporto settim

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
1)	Iron ridge 5 arches on river Elvo at Km.6+398	First arch side Santhià collapsed second arch cut	Permanent repair	SAVIGLIANO	1.8.45	90 %	

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ORI - T O R I N O

e : SANTHIA = ARONA

Rapporto settimanale al 24 September 1945

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 river .6+398	First arch side Santhià collapsed second arch cut	Permanent repair	SAVIGLIANO	1.8.45	90 %	30.9.45	1.500.000	Naihing up iron materials of the Bridge proce ng.

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : NOVARA = DOMODOSSOLA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Iron Bridge 7 Bemms 56.25 m. on river Toce at Km.66+217	5th pier, and beam between 5th and 6th pier collapsed. 6th and 7th Beam collapsed in the river bed.	Permanent repair	SAVIGLIANO	1.8.45	10 %	

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- T O R I N O

Rapporto settimanale al 24 September 1945

NOVARA = DOMODOSSOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
7 n.	5th pier, and beam between 5th anfi 6th pier collapsed. 6th and 7th Beam collapsed in the river bed.	Permanent repair	SAVIGLIANO	1.8.45	10 %	---	7.000.000	It is not possi to establish the date of completion until [illegible] Firm has not obtaine the iron re ir

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SEZIONE LAVORI - T O R I N O

Rapporto s

Linea : TORINO = MILANO

N° d'Ord	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	es gui
1)	Bridge on river Tivino at Km.114+133	Arches and piers seriously damage	Arches have to be strenghtned with centerings	GIROLA UMBERTO	24.7.45	9

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VORI - T O R I N O

ea : TORINO = MILANO

Rapporto settimanale al 24 September 1945

ione opera	Descrizione sommaria del disposto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
river 33	Arches and piers seriously damage	Arches have to be strenghtned with centerings	GIROLA UMBERTO	24.7.45	95 %	30.9.45	2.500.000	Setting of centerings to the fir arch nearly finished

MINISTERO DEI TRASPORTI
FERROVIE DELLO STATO
COMPARTIMENTO DI TORINO
S E Z I O N E L A V O R I

Turin, 17 settembre 1945
N° 16[illegible]/ OS

-MILITARY RAILWAY SERVICE
/ M I L A N O /

-Capitano C O N E A Y
presso SEZIONE LAVORI - T O R I N O

e p.c. COMMISSARIO STRAORDINARIO FERROVIE
ITALIA NORD-OCCIDENTALE - MILANO
" CAPO COMPARTIMENTO - SEDE

Subject :

Weekly report on restoration works.

Encl : 16

Pending last week have been continued the restoration works according to the facts arising from the alleged prospectus :
In regard to tracks repairing :

a)- Has been restored down-trains track from Km.35+400 to Km. 35+600 of Turin-Alessandria line between Villanova and Villafranca d'Asti stations.

b)- Has been restored down-trains track from Km.41+650 to Km.41+990 of Turin-Modane line between Borgone and Bussoleno stations.

c)- Has been accomplished, with 290 m.s new track's building, the up-trains line's restoration between Villastellone and Carmagnola stations, after having rectified the preexisting double curve and having eliminated one switch.

d)- Has been demolished 900 m.s track of Fossano-Ceva line between Trinità and Magliano stations.

In the same week have been regained along the Section lines, and have been sent to Turin-Dora, in order to be stored in Turin- Sm. Warehouse, Kg. 136.276 of iron materials.

WORKS SECTION MAR.E

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Pending last week have been continued the restoration works according to the facts arising from the alleged prospectus :

In regard to tracks repairing :

a)- Has been restored down-trains track from Km.35+400 to Km. 35+600 of Turin-Alessandria line between Villanova and Villafranca d'Asti stations.

b)- Has been restored down-trains track from Km.41+650 to Km.41+ 950 of Turin-Modane line between Borgone and Bussoleno stations.

c)- Has been accomplished, with 200 m.s new track's building, the up-trains line's restoration between Villastellone and Carmagnola stations, after having rectified the preexisting double curve and having eliminated one switch.

d)- Has been demolished 900 m.s track of Fossano-Ceva line between Trinità and Magliano stations.

In the same week have been regained along the Section lines, and have been sent to Turin-Dora, in order to be stored in Turin- Sm. Warehouse, Kg. 136.276 of iron materials.

WORKS SECTION MAN.R

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : TURIN=MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Bridge on Dora Riparia 3 arches ml.15?53 each km.33+387 between S.Antonino and Borgone stations	Two arches completely collapsed	Trains temporary running on iron trusses. Permanent repair proceeding	GUERRINI	16/7/45	20
2	Underway m.5,77 km. 82+310 Walled bridge m. 18,21 on torrent Bardonecchia km. 82+328 between Beaulard and Bardonecchia stations	Vault collapsed	Permanent reconstruction of the vaults	GILLIO	10/7/45	80
3	Bridge 3 arches on torrent Melezet km. 83+022 between Beaulard and Bardonecchia stations	Completely collapsed	Permanent reconstruction	ANGIOLINI	10/7/45	30

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RI - T O R I N O

Rapporto settimanale al Sept.17th. 1945

TURIN=MODANE

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ora rches ch etween and tions	Two arches completely collapsed	-Trains temporary running on iron trusses. Permanent repair proceeding	GUERRINI	16/7/45	20	15/11/45	6.000.000	Digging works for the reconstruction of Bardonecchia sid. shoulder -camberi. - reconstructio of Bardonecchia side pier
5,77 km. ge m. rrent a km. een d Bar- tations	Vault collapsed	Permanent reconstruction of the vaults	GILLIO	10/7/45	80	10/10/45	4.000.000	Concrete arches completed. Reconstruction of front walls and back wall of Bardonecchi. ide shoulder.
ches elezet tween Bar- ations	Completely collapsed	Permanent reconstruction	ANGIOLINI	10/7/45	30	15/11/45	12.000.000	Walls of Turin side shoulder and pier completed. Actually: reconstructi of the others and cambering

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SEZIONE LAVORI - T O R I N O

Linea : TURIN=MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Frejus artificial tunnel km.85+400	Section of about 200 m. (1 km. from South mouth) completely collapsed	Permanent reconstruction	BRUNETTI	31/7/45	9

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VORI - T O R I N O

Rapporto settimanale al Sept. 17th. 1945

ea : TURIN=MODANE

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
rtificial 85+400	Section of about 200 m. (1 km. from South mouth) completely collapsed	Permanent reconstruction	BRUNETTI	31/7/45	9	15/3/46	12.000.000 Timber for temporary relining not yet supplied by A.C. as agreed The Firm cannot therefore carry on the works. The works are carried on till now by A.C. with German prisoners.	Clearing works slowly proceeding.

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SEZIONE LAVORI - T O R I N

Rapporto settim

Linea : ASTI=CHIVASSO

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1	Walled bridge 13 arches - one:m.10 span- 12: m.20 km.46+838 river Po	9th. arch collapsed ; first damaged	Permanent repair of the vaultm	IGLIONE EDOARDO	2/7/45	15	3

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RI - T O R I N

Rapporto settimanale al Sept. 17th. 1945

: ASTI=CHIVASSO

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 13 e:m.10 .20 ver	9th. arch collapsed ; first damaged	Permanent repair of the vault	PIGLIONE EDOARDO	2/7/45	15	30/9/45	2.000.000	9th. arch completed st. demolished Ca ring

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : SANTHIA'=ARONA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Iron bridge 5 arches - lateral m.19,65 and central m.25,20 span km. 6+398 torrent Elvo	First arch Santhia side collapsed- second cut.	Permanent restoration	OFF. SAVIGLIANO	1/8/45	80

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LAVORI - T O R I N

Rapporto settimanale al Sept. 17th. 1945

inea : SANTHIA'=ARONA

azione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 5 - lateral and centra span km. orrent Elvo	First arch Santhia side collapsed- second cut.	Permanent restoration	OFF. SAVIGLIANO	1/8/45	80	30/9/45	1.500.000	Setting of iron element

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : NOVARA=DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Iron bridge 7 arches; extreme m.56,25 internal m.68 span km.66+217 River Toce	5th.pier and beam between 5th. and 6th.pier collapsed. 6th. and 7th.arches sunk in the river bed	Permanent repair of the beam	OFF. SAVIGLIANO	1/8/45	10

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- T O R I N O

Rapporto settimanale al Sept;17th. 1945

NOVARA=DOMODOSSOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e al 6+	5th.pier and beam between 5th. and 6th.pier collapsed. 6th. and 7th.arches sunk in the river bed	Permanent repair of the beam	OFF. SAVIGLIANO	1/8/45	10		7.000.000	The date of completion cannot be fixed until the arm is not supplied with the iron This supply seems to be difficult

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : TURIN=MILAN

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Bridge over Ticino km.114+133	Arches and several piers seriously damaged	Two of the damaged arches have to be relined with camberings	GIROLA UMBERTO di MILANO	24/7/45	70

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ORI - T O R I N O

Rapporto settimanale al 17th. Sept. 1945

a : TURIN=MILAN

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
r Tici- 33	Arches and several piers seriously damaged	Two of the damaged arches have to be relined with camberings	GIROLA UMBERTO di MILANO	24/7/45	70	30/9/45	2.500.000	Cambering of 1st. arch.

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : PINEROLO=TORRE-PELLICE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Rail and road walled bridge 3 arches m.18 each km.2+872 torrent Chisone	3 arches collapsed	The line has been deviated	MAFFIOTTO	23/8/45	18

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- T O R I N O

Rapporto settimanale al Sept. 17th. 1945

PINEROLO=TORRE-PELLICE

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
1 3 ach ent	3 arches collapsed	The line has been deviated	MAFFIOTTO	23/8/45	18	23/10/45	1.257.750	Foundation digging works-drainage-construction of timber trusses

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : AIRASCA+CAVALLERMAGGIORE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge (rail and road) 5 arches M.17 each on torrent Pellice km.13+335	5 arches collapsed	Clearing of debris	ATES+Turin	27/8/45	25

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ORI - T O R I N O

Rapporto settimanale al Sept. 17th. 1945

a : AIRASCA+CAVALLERMAGGIORE

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge oad) 5 7 each Pellice	5 arches collapsed	Clearing of debris	ATES+Turin	27/8/45	25	25/10/45	948.000	

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SEZIONE LAVORI - T O R I N O

Linea : SAVIGLIANO-SALUZZO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 4 arches m.15 each km.6+737 torreny Varaita between Madonna delle Grazie and Lagnasco.	2d. arch Saluzzo side partially collapsed	Temporary restored	Soc. NUOVE COSTR. Torino	11/9/45	1

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AVORI - T O R I N O

nea : SAVIGLIANO-SALUZZO

Rapporto settimanale al Sept.17th. 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
bridge 4 .15 each torreny between lelle nd Lagna-	2d. arch Saluzzo side partially collapsed	Temporary restored	Soc. NUOVE COSTR. Torino	11/9/45	1	10/11/45	534.000	Supply of materials proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : FOSSANO=CEVA

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled viaduct bridge 16 spans m.25 each km.19+722 over torrent Ellero	8 arches 6 piers 1 shoulder collapsed	Clearing of debrid	RACCA COSTANZO	20/8/45	60
2	Walled viaduct bridge 9 arches m.25 each km.37+319 on river Tanaro	6 arches 4 piers 1 shoulder collapsed	"	BELLIHO MICHELE	21/8/45	95

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LAVORI - T O R I N O

Rapporto settimanale al Sept. 17th. 1945

Linea : FOSSANO=CEVA

cazione l'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
viaduct 16 spans ach km.19+ r torrent	8 arches 6 piers 1 shoulder collapsed	Clearing of debris	RACCA COSTANZO	20/8/45	60	20/10/45	800.000	
viaduct 9 arches ch 319 on river	6 arches 4 piers 1 shoulder collapsed	"	BELLIHO MICHELE	21/8/45	95	20/9/45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto set.

Linea : CEVA=ORMEA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Bridge over Tanaro km.4+466	7 of the 8 arches of m.15 collapsed	Clearing of debris			
2	Bridge over Tanaro km.6+366	All the arches (m·15) collapsed	"	DECISI		

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I - T O R I N O

: CEVA=ORMEA

Rapporto settimanale al Sept. 27th. 1945

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
466	7 of the 8 arches of m.15 collapsed	Clearing of debris					600.000	To be leased
866	All the arches (m·15) collapsed	"	DECISI				400.000	Clearing of the central part fixed for 180.000 lire

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : TROFARELLO=CUNEO

N° d'ord	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1	Walled bridge 3 arches m.10 each km. 34+963 torrent Mellea between Cavallermabgiore and Savigliano	1st.arch Trofarello side partially collapsed	Temporary restored	MAFFIOTTO	12/9/45	1	1

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- T O R I N O

Rapporto settimanale al SEPT.17 th. 1945

TROFARELLO=CUNEO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 ach ler- ba-	1st.arch Trofarello side partially collapsed	Temporary restored	MAFFIOTTO	12/9/45	1	11/11/45	856.350	Material supply proceedin

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : SAVONA = CARMAGNOLA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Walled Bridge 5 arches 30 m. span on river Acquabona at Km.8+127	3 arches 2 piers side San Giuseppe collapsed .	Removal of debri	COOPERATIVA SAVONESE	25.5.45	7 %	
2)	Walled bridge 5 arches 18 M. span on Rio Isola Km.9+408	Substaining cone of the first pier collapsed	" "	GAGGERO FALCO	25.5.45	7 %	
3)	Walled Bridge 6 arches on river Letimbro at Km.10+561	4 arches 4 piers collapsed in the Letimbro	" "	ASTENGO SAVIO	2.6.45	7 (xx)	
4)	Viaduct Bràda between Ceva and Castellino at Km.46+291	4 arches 3 piers collapsed	Reconstruction of piers, "lifting of piers for the tracks	RIZZO RACCA	8/8/45 10.9.45	100 % 30 %	20
5)	Walled Bridge on river Tanaro at Km.57+529	2 arches 1 pier collapsed	Permanent restoration	FENAROLI	13.8.45	12 %	13
6)	Walled 3 arches on river Pesio at Km.63+959	1 arch 1 pier collapsed	Permanent restora tion	=DUTTO MORESCO CHIRAIVA	10.9.45	---	9.
7)	Walled 4 arches at Km.69+795 between Carrù and Farigliano	Front walls demolished arch damaged	" "	RIZZO P.	22.8.45	20 %	2

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RI - T O R I N O

: SAVONA = CARMAGNOLA

Rapporto settimanale al 17 September 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 . span quabon	3 arches 2 piers side San Giuseppe acollapsed .	Removal of debris	COOPERATIVA SAVONESE	25.5.45	7 %	(+)	1.200.000	
ge 5 . span a	Substaining cone of the first pier collapsed	" "	GAGGERO FALCO	25.5.45	7 %	(+)	1.500.000	
ge 6 iver	4 arches 4 piers collapsed in the Letimbro	" "	ASTENGO SAVIO	2.6.45	7 (**)	(+)	8.000.000	
ia a and t	4 arches 3 piers collapsed	Reconstruction of piers,"lifting of piers for the tracks	FRIZZO RACCA	8/8/45 10.9.45	100 % 30 %	10.9.45 20.9.45	300.000 200.000	
ge on 9	2 arches 1 pier collapsed	Permanent restoration	FENAROLI	13.8.45	12 %	13.11.45	2.500.000	Working even at night
ches io 9	1 arch 1 pier collapsed	Permanent restoration	=DUTTO MORESCO CHIRAIVA	10.9.45	---	9.11.45	2.000.000	Awaiting supply of material
ches 5 rù and	Front walls demolished arch damaged	" "	RIZZO P.	22.8.45	20 %	22.10.45	300.000	

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. SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : SAVONA = CARMAGNOLA (continued)

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
8)	Bridge 6 arches 20 span on river Stura at Km.88+90 between Bra and Cherasco	m. 4th Arch collapsed	Permanent repair	ROSAZZA LANZA	2/7/45	95 %

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VONA = CARMAGNOLA (continued)

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditte esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non disponi.
20	m. 4th Arch collapsed	Permanent repairs	ROSAZZA LANZA	2/7/45	95 %	20.9.45	2.200.000	Side walls to be rebuilt

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : GENOVA = OVADA = ASTI

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prevista
1)	Iron Bridge 3 Bemas on river Tanaro at Km.101+710	1 Bemm damaged 1 pier collapsed corresponding shoulders damaged	Beam restored Pier restored reparations to damaged shoulders	ANSALDO (metal works) GESSITORE BRUNO (Wall works)	23.7?45	16 %	15.

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VORI - T O R I N O

Rapporto settimanale al 17 September 1945

ea : GENOVA = OVADA = ASTI

one pera	Descrizione sommario del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e 3 iver	1 Bemm damaged 1 pier collapsed corresponding shoulders damaged	Beam restored Pier restored reparations to damaged shoulder	ANSALDO (metal works) GESSITORE BRUNO (Wall works)	23.7?45	16 %	15.12.45	7.000.000	Works in workshop proceeding Works to the walls have not yet started Iron Beam lying on the Debris of the collapsed wall pier has to be lifted by Ansaldo.

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : TORINO = GENOVA

Nº d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da... pr...
1)	Walled Bridge 5 arches 12 m. span on Stenavasso at Km.37+733	3 Arches 1 pier 1 shoulder collapsed	Temporary restoration with Differdingen Beams	CASTAUDI & SERRA	20/6/45	17 %	31
2)	Walled Bridgen5 arches on river Traversa at Km.46+150	1 Arch collapsed rest partially damaged	Temporary restored with Differdinger Beams	DEBERNARDI FELICE	20.6.45	50 %	12
3)	Viaduct 5 m. at Km.23+007	Half Arch and foundations damaged and foundations damaged	Temporary restored	DEBERNARDI FELICE	20.6.45	50 %	1
4)	Walled Bridge 5 arches 9 m. span on river Borbore at Km.54+797	Arch and corresponding piers damaged.	Temporary restoration	DEBERNARDI FELICE	2.7.45	10 %	1

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RI - T O R I N O

: TORINO = GENOVA

Rapporto settimanale al 17 Settembre 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino preventivato	Importo presunto	Annotazioni e materiali non dispon.
ge 5 . span so at	3 Arches 1 pier 1 shoulder collapsed	Temporary restoration with Differdingen Beams	CASTAUDI & SERRA	20/6/45	17 %	31.12.45	11.610.000	Set up centerings for the central pi rs. Reconstruction of shoulders side Genova proceeding.
gen5 iver	1 Arch collapsed rest partially damaged	Temporary restored with Differdingen Beams	DEBERNARDI FELICE	20.6.45	50 %	12.11.45	1.700.000	
. at	Half Arch and foundations damaged and foundations damaged	Temporary restored	DEBERNARDI FELICE	20.6.45	50 %	15.11.45	800.000	Rebuilt side of the Bridge corresponding to even track Electrification between Pession and the Bridge proceeding.
ge 5 span rbore 7	Arch and corresponding piers damaged.	Temporary restoration	DEBERNARDI FELICE	2.7.45	10 %	15.11.45	1.300.000	Reconstruction wall side Torin Iron beams reuired for the substaining of the tracks.

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : TORINO = GENOVA (continued)

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
5)	Overline Km.21+656	Arch partially damaged	Temporary restored	DEBERANRDI FELICE	2.7.45	40 %	15

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TORINO = GENOVA (continued)

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
+650	Arch partially damaged	Temporary restored	DEBERANRDI FELICE	2.7.45	40 %	15.11.45	300.000	Main arch rebuilt front wall to be rebuilt

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1)	Walled Bridge 3 Arches 21 m. span on river Gesso at Km.12+850	3 Arches collapsed shoulders and piers damaged	Temporary restoration	DUTTO MORESCO CHIARIVA	22.8.45	65 %	2

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T O R I N O

Rapporto settimanale al 17 Settembre 1945

GNEO GESSO = VENTIMIGLIA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3	3 Arches collapsed spanshoulders and piers damaged	Temporary restoration	DUTTO MORESCO CHIARIVA	22.8.45	65 %	21.10.45	660.000	Building substainers for the Diffe. linger Beams

I.S.R.
WORKS SECTION
TURIN

Turin 9/9/45

SUBJECT: Weekly report on restoration works.

During the last week the restoration works have been proceeding as checked in the attached sheets.
And besides:

a)- Even track restored from km.35.000 to km.35.400- Turin-Alessandria line, between Villanova and Villafranca d'Asti stations.

b)- Even track restored between Villastellone and Carmagnola stations (the track had several scattered interruptions)- m.300 length.

c)- M.880 track between Magliano and Trinità stations have been dissembled.
This material has been sent to Altare station.

In the same week, km.460.437 of iron materials have been recovered from our lines and sent to Torino-Dora to be stored in the warehouse of Torino-Smistamento.

THE CHIEF OF THE WORKS SECTION.

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : TURIN=GENOA

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	g
1	Walled bridge 5 arcades m.12 span km.37+733 torrent Stenavasso)	3 arches 1 pier 1 shoulder collapsed	Temporary restored with poles and Differdingen beams	DASTAUDI & SERRA	20/6/45	
2	Walled bridge 5 arcades 3 m.8 and 2 m.3 span km.46+150 torrent Traversa	1 arch collapsed and the others partially destroyed	Temporary repaired with poles and Differdingen beams	DE BERNARDI	20/6/45	
3	Acqueduct m.5 km.23+007	Half arch collapsed and sustaining walls demaged	Temporary restored	"	20/6/45	

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- T O R I N O

TURIN=GENOA

Rapporto settimanale al SEPT. 10th. 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 spen rent	3 arches 1 pier 1 shoulder collapsed	Temporary restore with poles and Differdingen beams	GASTAUDI & SERRA	20/6/45	16	31/12/45	1.600.000	Raiks prepared to sustain the track under the double I trusses -the rails are operating under one of the arches.
5 3 and .46+ raverved	1 arch collapsed and the others partially destroyed	Temporary repaired with poles and Differdingen beams	DE BERNARDI	20/6/45	32	12/11/45	1.700.000	Relining proceeds
5	Half arch collapsed and sustaining walls damaged	Temporary restored	"	20/6/45	38	15/11/45	800.000	The reconstruction of Turin side wall follows

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : TURIN=GENOA (continued)

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	Data ultimazione lavori
4	Walled bridge 5 arches m.9 span km.54+797 river Borbore	Vault and corresponding piers damaged	Temporary restored	DE BERNARDI	2/7.45	
5	Overbridge km.21+656	Arch partially destroyed	"	"	2/7/45	

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a :TURIN=GENOA (continued)

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 span river	Vault and corresponding piers damaged	Temporary restored	DE BERNARDI	2/7.45	8	15/11/45	1.300.000	Restoratic of Turin side wall proceeding -iron trusses demanded, to sustain the part of the track corresponding to the damaged vault
e km.21+	Arch partially destreyed	"	"	2/7/45	14	15/11/45	300.000	Cambering: are being set for the reconstruction of the vault

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : FOSSANO=CEVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled viaduct 16 arches 25 M. span on river Ellero at Km.19+722	8 arches 6 piers 1 shouldering collapsed	Removal of debris	RACCA	20.8.45	50 %
2	Viaduct 9 arches 25 m. span on river Tanaro at Km.37+319	6 arches 4 piers 1shouldering collapsed	" "	BELLINO	21.8.45	80 %

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O R I N O

SANO=CEVA

Rapporto settimanale al SEPT. 10th. 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
8 arches 6 piers 1 shouldering collapsed	Removal of debris	RACCA	20.8.45	50 %	20.10.45	800.000	
6 arches 4 piers 1shouldering collapsed	" "	BELLINO	21.8.45	80 %	20/9/45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1	Walled Bridge 3 arches 21 m. span on river Gesso at Km.12+850	3 arches collapsed Temporary piers and shouldering damaged	restoration	DUTTO MORESCO CHIARIVA	22/8/45	25 %	21.

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I - T O R I N O

: CUNEO GESSO = VENTIMIGLIA

Rapporto settimanale al 10 September 1945

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e 3 span so at	3 arches collapsed piers and shoulder damaged	Temporary restoration	DUTTO MORESCO CHIARIVA	22/8/45	25 %	21.10.45	660.000	Preparing foundations for sets of poles

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : SAVONA = CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguite
1	Walled bridge 5 arches 30 m. span on river Acquabona	3 arches 2 piers side San Giuseppe collapsed	Removal of debri	COOPERATIVA SAVONESE	25.5.45	7 %
2	Walled bridge 5 arches 18 m.span on Rio Isola at Km.9+408	Substaining cone and 1st pierside Savona collapsed	" " "	GAGGERO & FALCO	25.5.45	7 %
3	Walled bridge 6 arches on river Letimbro at Km.10+561	4 arches 4 piers collapsed in the Letimbro	" "	ASTENGO & Savio	2.6.45	7 %
4	Viaduct Braia at Km.46+291between Ceva and Castellino	4 Arches 3 piers collapsed	Repairs to piers and iron bars	RIZZO	8.8.45	85
	(+) - Works will begin next week, Works to the new line have been su from the demolition of the tracks on line Fossano - Mondovì - for the restoration of the line Arquata.					
5	Walled Bridge on river Tanaro at Km.57+529 between Niella and Bastia	2 Arches 1 pier collapsed	Permanent restoration	FANARÒLI	13.8.45	10 %

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VORI - T O R I N O

ea : SAVONA = CARMAGNOLA

Rapporto settimanale al 10 September 1945

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
idge 5 m. span Acquabon	3 arches 2 piers side San Giuseppe collapsed	Removal of debris	COOPERATIVA SAVONESE	25.5.45	7 %	(+)	1.200.000	
idge 5 m.span ola at	Substaining cone and 1st pierside Savona collapsed	" " "	GAGGERO & FALCO	25.5.45	7 %	(+)	1.500.000	
idge 6 river at	4 arches 4 piers collapsed in the Letimbro	" "	ASTENGO & Savio	2.6.45	7 %	(+)	8.000.000	
raia at between Castelli=	4 Arches 3 piers collapsed	Repairs to piers and iron bars	RIZZO	8.8.45	85 %	30.9.45	300.000	
Works will begin next week, Works to the new line have been suspended. Materials recovered from the demolition of the tracks on line Fossano - Mondovì - Ceva will be sent to Genova for the restoration of the line Arquata.								
dge on ro at between Bastia	2 Arches 1 pier collapsed	Permanent resto=ration	FANARGLI	13.8.45	10 %	13.11.45	2.500.000	Working even in the night

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA = CARMAGNOLA (continued)

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
6	Walled Bridge 3 arches 13.40 m. span on river Pesio at Km.63+959 between Bastia and Carrù	1 Arch and 1 pier collapsed	Permanent repairs	DUTTO & CHIARIVA			
7	Walled bridge 4 arches m.21 span km.69+795 between Carrù and Farigliano	Front walls demolished and arch damaged	Permanent restorations.	RIZZO PAOLO di NIELLA	22/8/45	15	
8	Bridge 6 arches m.20 each on the Stura km.88+901 between Cherasco and Bra	4th. arch collapsed	Permanent restoration	ROSAZZA & LANZA TORINO	2/7/45	85	

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a : SAVONA = CARMAGNOLA (continued)

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Ldge 3 .40 m. iver Km.63+959 astia	1 Arch and 1 pier collapsed	Permanent repairs	DUTTO & CHIARIVA				2.000.000	The works have been take up on 3/9/45
dge 4 I span between Farigliano	Front walls demolished and arch damaged	Permanent restorations.	RIZZO PAOLO di NIELLA	22/8/45	15	22/10/45	300.000	
arches on the 36+901 erasco	4th. arch collapsed	Permanent restoration	ROSAZZA & LANZA TORINO	2/7/45	85	20/9/45	2.200.000	Working even by night time

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : TURIN=MODANE

Nº d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pre
1	Bridge on torrent Dora Riparia- 3 arches ml.10 each km.33+387 between S.Antonino and Borgone stations	Two arches completely collapsed	The trains are temporary running on iron trusses' permanent restoration proceeding	UERRINI	16.7.45	15	15.
2	Underway m.5,77 km. 82+310	Vault collapsed	Permanent repairs are carried on	GILLIO	10.7.45	70	10.
3	Bridge 3 arches on river Melezet at Km.83+622	Bridge totally collapsed	Working for a permanent reconstruction	ANGIOLINI	10/7/45	27 %	15.
4	Tunnel Frejus at Km.85+400	Section of 200 m. at 1 Km. from the mouth of the tunnel collapsed	Working for a permanent reconstruction	BRUNETTI	31/7/45	8 %	15/

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LAVORI - T O R I N O

inea : TURIN=MODANE

Rapporto settimanale al Sept. 10th. 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
on torrent aria- 3 1.10 each 7 between o and stations	Two arches completely collapsed	The trains are temporary running on iron trusses' permanent restoration proceeding	GUERRINI	16.7.45	15	15.11.45	6.000.000	Digging works for the the reconstruction of Bardonecchia side shoulder and cambering construction.
m.5,77 km.	Vault collapsed	Permanent repairs are carried on	GILLIO	10.7.45	70	10.10.45	4.000.000	Concrete construction for the vault being completed.
arches on ezet at	Bridge totally collapsed	Working for a permanent reconstruction	ANGIOLINI	10/7/45	27 %	15/11/45	12.000.000	Building of sustainers
ejus at	Section of 200 m. at 1 Km. from the mouth of the tunnel collapsed	Working for a permanent reconstruction	BRUNETTI	31/7/45	8 %	15/3/46	12.000.000	Removal of Debris proceeding, Firm can not proceed wit the works as A.C. has not yet provided timber as promised. Works are now done by German P.O.W. under A.C. control

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CEVA = ORMEA

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1	Bridge on River Tanaro Km.4+466	7 arches of 15.m. span collapsed	Removal of debris	DECISI	10.9.45	--	31
2	Bridge on river Tanaro at Km.6+366	5 arches of 15 m. span collapsed	" "	"	10.9.45	--	31

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VORI - T O R I N O

ea : CEVA = ORMEA

Rapporto settimanale al 10 September 1945

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
River .4+466	7 arches of 15.m. span collapsed	Removal of debris	DECISI	10.9.45	--	31.10.45	200.000	---
river	5 arches of 15 m. span collapsed	" "	"	10.9.45	--	31.10.45	180.000	

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : GENOVA OVADA = ASTI

Nº d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Iron Bridge 3 beams on river Tanaro at Km.101+710	1 beam damaged 1 pier collapsed Corresponding shoulders damaged	Beams restored, Pier restored repairs to damaged shoulders	ANSALDO (iron materials) TESSITORE (Wall repairs)	23.7.45	15 %

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I - T O R I N O

GENOVA OVADA = ASTI

Rapporto settimanale al 10 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 er .101+710	1 beam damaged 1 pier collapsed Corresponding shoulders damaged	Beams restored, Pier restored repairs to damaged shoulders	ANSALDO (iron materials) TESSITORE (Wall repairs)	23.7.45	15 %	15.12.45	7.000.000	Works in workshop suspended for lack of iron material.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TROFARELLO=CUNEO

Nº d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 3 arches m.10 each km.34.963 torrent Mellea between Cavallermaggiore and Savigliano	First arch Trofarello side collapsed (partially)	Temporary restored	RAFFIOTTO FELICE & Co.		

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VORI - T O R I N O

Rapporto settimanale al Sept. 10th. 1945

ea : TROFARELLO=CUNEO

ione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 3 10 each torrent tween Ca- giore and	First arch Trofarello side collapsed (partially)	Temporary restored	MAFFIOTTO FELICE & Co.				856.350	The works have been handed over to the Firm on 31/8/45. Materials supply proceeding.

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : SAVIGLIANO=SALUZZO

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1	Walled bridge 4 arches m.15 each km.6+737 torrent Varaita between Madonna delle Grazie and Lagnasco	2d. arch Saluzzo side partially collapsed	Temporary restored	NUOVE COSTRUZIONI TORINO			

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T O R I N O

Rapporto settimanale al SEPT. 10th. 1945

VIGLIANO=SALUZZO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ch it a na-	2d. arch Saluzzo side partially collapsed	Temporary restored	NUOVE COSTRUZIONI TORINO				534.000	The works have been handed over to the Firm on Sept. 3d. 45

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SEZIONE LAVORI - T O R I N O

Rapporto settimar

Linea : ASTI = CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Walled Bridge 13 arches, on river Po at Km.46+838	9th arch collapsed 1st one damaged	Arches are permanently rebuilt	PIGLIONE EDOARDO	2.7.45	70 %	30

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T O R I N O

STI = CHIVASSO

Rapporto settimanale al 10 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
	9th arch collapsed 1st one damaged	Arches are permanently rebuilt	BIGLIONE EDOARDO	2.7.45	70 %	30/9/45	2.000.000	Front walls of 9th arch rebuil First arch is being demolishe it seems to be irreparable

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : SANTHIA = ARONA

Nº d'Ord.	Uoicazione dell'opera *	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1	Iron Bridge 5 arches on river Elvo at Km.6+398	First arch side Santhià collapsed second arch cut	Permanent resteration	SAVIGLIANO	1/8/45	70 %	30.

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ORI - T O R I N O

a : SANTHIA = ARONA

Rapporto settimanale al 10 September 1945

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 river m.6+398	First arch side Santhià collapsed second arch cut	Permanent resteration	SAVIGLIANO	1/8/45	70 %	30.9.45	1.500.000	Works at the beams proceedin in the workshop and on the plac

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : TORINO = MILANO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1	Bridge on river Ticino at Km.114+133	Arches and some piers seriously damaged	Two damaged arches must be strengthened with centerings	GIROLA UMBERTO	24/7/45	60 %	30/

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TORINO = MILANO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
er 114+133	Arches and some piers seriously damaged	Two damaged arches must be strengthened with centerings	GIROLA UMBERTO	24/7/45	60 %	30/9/45	2.500.000	Setting of centerings finished. Setting up centerings to the first arch.

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : NOVARA = DOMODOSSOLA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D... p... p...
1	Underway 3 arches 4.90 m. span on Lanca di Ornavasso at Km.64+481	First pier and second arch sidd Novara collapsed	Permanent resto=ration	CRISTINA	2.7.45	25 %	30
2	Iron Bridge 7 beams on river Toce at Km.66+217	5th pier and beam between 5th 6th pier collapsed. 6th and 7th beam collapsed in the river bed.	Permanent resto=ration of the beams	SAVIGLIANO	1.8.45	10 %	

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- T O R I N O

Rapporto settimanale al 10 September 1945

NOVARA = DOMODOSSOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
hes n rass	First pier and second arch sidd Novara collapsed	Permanent restoration	CRISTINA	2.7.45	25 %	30.11.45	1.000.000	First lot of 200.000 Lire finished,
r 217	5th pier and beam between 5th 6th pier collapsed. 6th and 7th beam collapsed in the river bed.	Permanent restoration of the beams	SAVIGLIANO	1.8.45	10 %		7.000.000	Until the Firm cannot get iron materia required it is not possible to establish the date of completion.

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : PINEROLO = TORRE PELLICE

N° progr.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% ese guit
1	Rail & Road Bridge 3 arches 17 m. span at Km.2+872 on Chisone Stream	3 arches collapsed	Deviation of the rails	MAFFIOTTO	23.8.45	15

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- T O R I N O

PINEROLO = TORRE PELLICE

Rapporto settimanale al 10 Septembet 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge . 872 ream	3 arches collapsed	Deviation of the rails	MAFFIOTTO	23.8.45	15 %	23.10.45	1.257.750	

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : AIRASCA = CAVALLERMAGGIORE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist presu
1	Rail & Road Bridge 5 arches 17 m. span at Km.13+335 on river Pellice	5 arches collapsed	Removal of debris	ATES	27.8.45	15 %	25.10

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I - T O R I N O

Rapporto settimanale al 10 September 1945

: AIRASCA = CAVALLERMAGGIORE

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge m. 13+335 llice	5 arches collapsed	Removal of debris	ATES	27.8.45	15 %	25.10.45	948.000	

Turin 3 September 1945

Subject: Weekly Reports

To Captain Conway
Allied Commission
Works Section
T U R I N

In the last week the works have been going on as shown by the attached reports.
Besides that N° 34 iron beams , typedubble T, have been recovered from the bridge temporary rebuilt by the Germans at the junction Alessandria-Spinetta.
What is concerning the tracks:
a) Even tracks restored at Km.34+500 to Km.35+000 on the Line Torino - Alessandria between Villanova and Villafranca d'Asti.

Even tracks restored at Km.41+600 to Km.41+650 on the line Torino-Modane between Borgone and Bussoleno.

c) Even tracks restored between Villastellone and Carmagnola for 600 ml.

d) In the Station of Alessandria junctions with Borsalino works and Consorzio Agrario have been restored, and most of the 12th track has been repaired.

e) By order of A.C. 840 ml. track on the Line Fossano-Ceva between Magliano and Trinità have been demolished and sent to the Station of Altare.

In the seme week Kg.411.976 have been recovered along the line of the Section and sent to Torino Dora to be stored at the Magazzino Approvogionamenti of Torino Smistamento. (Iron materials)

CHIEF OF THE WORKS SECTION

2409

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : AIRASCA = CAVALLERMAGGIORE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Rail & Road Bridge 5 arches 17 m. each on River Pellice at Km.13+335	5 arches collapsed	Removal of debris	ATES Torino	27/8/45	4 %

SEPTEMBER 3rd 1945

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T O R I N O

Rapporto settimanale al 3 September 1945

RASCA = CAVALLERMAGGIORE .

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 arches collapsed each ce		Removal of debris	ATES Torino	27/8/45	4 %	25.10.45	948.000	

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'Ord	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori
1)	Walled Bridge 3 arches 21 m. span at Km.12+850 on river Gesso	3 Arches collapsed Piers and shoulders damaged	Removal of debris, Temporary repairs	MORESCO & CHIARIVA	21.8.45 22.8.45

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T O R I N O

Rapporto settimanale al 2 September 1945

CUNEO GESSO = VENTIMIGLIA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 span n river	3 Arches collapsed Piers and shoulders damaged	Removal of debris, Temporary repairs	MORESCO & CHIARIVA	21.8.45	100 %	31/8/45	350.000	
				22.8.45	10 %	21.10.45	660.000	

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : CEVA = ORMEA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Bridge Viaduct of Ceva 18 arches 15 m. span at Km.0+782	5 Arches 5 piers collapsed	Removal of debris	DECISI LUIGI & SON	21.8.45	100 %

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VORI - T O R I N O

nea : CEVA = ORMEA

Rapporto settimanale al 3 September 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
aduct 8 arches n at	5 Arches 5 piers collapsed	Removal of debris	DECISI LUIGI & SON	21.8.45	100 %	31.8.45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : GENOVA = OVADA = ASTI

N° d'ord	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1)	Iron Bridge 3 ~~Arches~~ beams on River Tanaro at Km.101+710	One beam damaged one pier collapsed and corresponding shoulders damaged	Beams restored. Pier rebuilt, repairs to damaged shoulders	ANSALDO	23.7.45	14 %	1

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ORI - T O R I N O

Rapporto settimanale al 13 September 1945

a : GENOVA = OVADA = ASTI .

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
re 3 ms on ro at)	One beam damaged one pier collapsed and corresponding shoulders damaged	Beams restored. Pier rebuilt, repairs to damaged shoulders	ANSALDO	23.7.45	14 %	15.12.45	7.000.000	Works in cement and bricks given to the Firm TESSITORE Bruno, Works in Works shop suspended for want of iron.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : FOSSANO = CEVA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Viaduct 16 arches 25 m. span at Km.19+722 on River Ellero	8 Arches, 6 piers and one shoulder collapsed	Removal of debris	RACCA Costanzo	20.8.45	25 %
2)	Bridge Viaduct 9 Arches 25 m. span at Km.37+319 on river Tanaro	6arches, 4 piers and 1shouldering pier collapsed	"	BELLINO Michele	21.8.45	65 %

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RI - T O R I N

: FOSSANO = CEVA

Rapporto settimanale al 23 September 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
duct 5 m. 19+722 lero	8 Arches, 6 piers and one shoulder collapsed	Removal of debris	RACCA Costanzo	20.8.45	25 %	800.000		
uct 9 . span 9 on o	6arches, 4 piers and 1shouldering pier collapsed	"	BELLINO Michele	21.8.45	65 %	20.9.45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	De pr pr
1)	Walled Bridge 3 arches of 9.40 m. each at Km.4+936 on River Banna	Front walls and arch damaged	Works for permanent restoration	RACCA COSTANZO	16/8/45	100 %	31

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VORI - T O R I N O

ea : TROFARELLO = CUNEO

Rapporto settimanale al 3 September 1945

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 3 9.40 m. .4+936 anna	Front walls and arch damaged	Works for perma= nent restoration	RACCA COSTANZO	16/8/45	100 %	31/8/45	160.000	Completed

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SEZIONE LAVORI - T O R I N O

Rapporto settimar

Linea : PINEROLO = TORRE PELLICE .

N° A'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Rail & Road Bridge 3 arches 17 m. span at Km.2+872 on River Chisone	3 Arches collapsed	Deviation of the tracks	MAFFIOTTO	23.8.45	4 %	23/

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LAVORI - T O R I N O

Rapporto settimanale al 3 September 1945

inea : PINEROLO = TORRE PELLICE

azione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Road Bridge s 17 m. Km.2+872 r Chisone	3 Arches collapsed	Deviation of the tracks	MAFFIOTTO	23.8.45	4 %	23/10/45	1.257.750	

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : SAVONA=CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled bridge 5 arches m.30 span km.8+127 torrent Acquabona.	3 arches and 2 piers S.Giuseppe side collapsed.	Removal of debris	COOP. SAVONESE	25/5/45	7
2)	Walled bridge 5 arches m.18 span km.9+408 (Rio Isola)	Sustaining cone and 1st. pier Savona side collapsed.	"	GAGGERO & FALCO	25/5.45	7
3)	Walled bridge 6 arches; extreme m.14 and intermediate m.18 span torrent Letimbro km.10+561.	4 internal arches and 4 piers sunk into the Letimbro.	"	ASTENGO SAVIO	&2/6/45	7
4)	Braia Viaduct km. 46+291 between Ceva and Castellino stations.	4 arches and 3 piers collapsed.	Construction of piers and bunch of tracks.	RIZZO	8/8/45	80

NOTE- The jobs n.1 2 3 have been taken up by the Firm Jeda- DE MARTINI Alessio amount: 28.550.000.

(+) The works have been suspended by order of A.C. who ordered the completion Altare-Savona.
On this purpose the tracks of the Fossano-Mondovì-Ceva are being demolis with the other materials.

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AVORI - T O R I N O

nea : SAVONA=CARMAGNOLA

Rapporto settimanale al 3 Sept. 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 5 .30 span torrent .	3 arches and 2 piers S.Giuseppe side collapsed.	Removal of debris	COOP. SAVONESE	25/5/45	7	)+)	1.200.000	
ridge 5 18 span (Rio Iso-	Sustaining cone and 1st. pier Savona side collapsed.	"	GAGGERO & FALCO	25/5.45	7	(+)	1.500.000	
ridge 6 xtreme interme- 8 span Letimbro .	4 internal arches and 4 piers sunk into the Letimbro.	"	ASTENGO SAVIO	&2/6/45	7	(+)	8.000.000	
aduct km. etween Castel- ti ons.	4 arches and 3 piers collapsed.	Construction of piers and bunch of tracks.	RIZZO	8/8/45	80	30/9/45	300.000	

bs n.1 2 3 have been taken up by the Firm Jeda- DE MARTINI Alessio of Milan-23/7/45 - Estimated 28.550.000.

ks have been suspended by order of A.C. who ordered the completion of the new line S.Giuseppe-Savona.

s purpose the tracks of the Fossano-Mondovì-Ceva are being demolished and sent to Altare station ather materials.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : SAVONA=CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
5	Walled bridge on river Tanaro km. 57+529 between Niella and Bastia stations.	Two arches and one pier collapsed	Removal of debris Permanent restor.	BELLINO FENAROLI	16/7/45 13/8/45	100 5
6	Walled bridge 4 arches m.20 each km.69+795 between Carrù and Farigliano.	Front walls destroyed and arch damaged.	Permanent restoration.	RIZZO	22/8/45	5
7	Bridge 6 arches m.20 each on Stura km.88+901 between Cherasco and Bra.	4th. arch collapsed	Permanent restoration.	ROSAZZA LANZA	22/7/45	70

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LAVORI - T O R I N O

Rapporto settimanale al 3Sett. 1945

Linea : SAVONA=CARMAGNOLA

cazione l'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
bridge on Tanaro km. between and Bastia ns.	Two arches and one pier collapsed	Removal of debris Permanent restor.	BELLINO FENAROLI	16/7/45 13/8/45	100 5	31/8/45 13/11/45	200.000 2.500.000	
bridge 4 m.20 each 95 between and Fariglia-	Front walls destroyed and arch damaged.	Permanent restoration.	RIZZO	22/8/45	5	22/10/45	300.000	
6 arches ach on Stura 901 between co and Bra.	4th. arch collapsed	Permanent restoration.	ROSAZZA & LANZA	2/7/45	70	20/9/45	2.200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : NOVARA = DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Underway 3 arches 4.90 m. span at Km.64+481 on Lanca di Ornavasso	1st pier and 2d. arch Novara side collapsed. 2d.pier and Domodossola side shoulder seriously damaged.	Permanent restoration.	CRISTINA	2/7/45	25	30/
2)	Iron bridge 7 arches; extreme m. 56,25 and intermediate m.68 span km.66+217 river Toce.	5th. pier and girder between 5th. and6th.pier collapsed 6th. and 7th. arch collapsed and sunk into the river bed.	Temporary restoration of the beam.	OFF. SAVIGLIANO	1/8/45	10	

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- T O R I N O

NOVARA = DOMODOSSOLA

Rapporto settimanale al 3 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ches .t Lanca	1st pier and 2d. arch Novara side collapsed. 2d.pier and Domodossola side shoulder seriously damaged.	Permanent restoration.	CRISTINA	2/7/45	25	30/11/45	1.000.000	Demolition of damaged shoulders piers and vault Clearing. Reconstruction of 2d. pier and a part of the 3d. vault.
ar- m.5 ermed n rer	5th. pier and girder between 5th. and6th.pier collapsed 6th. and 7th. arch collapsed and sunk into the river bed.	Temporary restoration of the beam.	OFF. SAVIGLIANO	1/8/45	10		7.000.000	The date of completion cannot be fixed until the Firm has not the iron required. The Firm meets with difficulties for the supply of this material/

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : TORINO = MILANO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pri pre
1)	Bridge on river Ticino at Km.114+133	Arches and some piers seriously damaged	Damaged arches have to be strengthnedwith centerings	GIROLA UMBERTO	24/7/45	50 %	30/ 1st arch stre Trai only slac

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AVORI - T O R I N O

Rapporto settimanale al 3 September 1945

nea : TORINO = MILANO

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
n river t 33	Arches and some piers seriously damaged	Damaged arches have to be strengthnedwith centerings	GIROLA UMBERTO	24/7/45	50 %	30/9/45 1st and 2nd arch have tobe strenghtned Train running only speed blackened	2.500000	Setting up centerings removal of debris and old walls in the river bed. Building and digging first arch

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SANTHIA = ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D P
1)	Iron ridge 5 arches on river Elvo at Km.6+398	1st Arch side San thià collapsed second arch cut.	=Permanent works	SAVIGLIANO	1/8/45	50 %	3

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AVORI - T O R I N O

nea : SANTHIA = ARONA

Rapporto settimanale al 3 September 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o=pera provvisoria	Ditta esecu-trice	Data inizio lavori	% ese-guito	Data ri-pristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 n river Elvo 398	1st Arch side San thià collapsed second arch cut.	=Permanent works	SAVIGLIANO	1/8/45	50 %	30/9/45	1.500.000	Works of the beams proceed=ing at the workshop.

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : ASTI = CHIVASSO

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D
1)	Walled Bridge 13 arches on river PO at Km.46+838	9th Arch collapsed 1st one damaged	Vaults are being permanently rebuilt	PIGLIONE EDOARDO	2/7/45	60 %	3

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LAVORI - T O R I N O

inea : ASTI = CHIVASSO

Rapporto settimanale al 3 September 1945

azione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge 13 on river n.46+838	9th Arch collapsed 1st one damaged	Vaults are being permanently rebuilt	PIGLIONE EDOARDO	2/7/45	60 %	30/9/45	2.000.000	9 th arch rebuilt, demolition to the 1st. arch proceeding.

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : TORINO = MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pre
1)	Bridge on Dora = Riparia 3 arches 10 m. span at Km.33+387	2 Arches completely collapsed	Trains running temporary on Iron beams. Working for permanent restoration.	GUERRINI	16/7/45	12 %	15/
2)	Underway 5.77 m. at Km.82+310 Bridge of 18,21m. on river Bardonecchia at Km.82+328	Vault collapsed	Vaults being rebuilt permanently	GILLIO	10/7/45	40 %	10/
3)	Bridge 3 Arches on River Melezet at Km.83+622	Bridge totally collapsed	Working for permanent restoration	ANGIOLINI	10/7/45	25 %	1

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- T O R I N O

TORINO = MODANE

Rapporto settimanale al 13 September 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
= es	2 Arches completely collapsed	Trains running temporary on Iron beams. Working for permanent restoration.	GUERRINI	16/7/45	12 %	15/11/45	6.000.000	Demolition of old walls proceeding, The Firm has been asked to carry on the work quicker.
m. 1m. necchia	Vault collapsed	Vaults being rebuilt permanently	GILLIO	10/7/45	40 %	10/10/45	4.000.000	Setting up centerings to the arch over the Dora Works on the va vault of the underway finish
s et	Bridge totally collapsed	Working for permanent restoration	ANGIOLINI	10/7/45	25 %	15/11/45	12.000.000	Conglomerate work corresponding to pier and shoulder side Torino proceeding. Dagging works proceeding at the foundations corresponding to shoulder side Torino

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Linea : TORINO = MODANE (continued)

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
4)	Tunnel Frejus at Km. 85+400	Completely collapsed for about 200 m/ at 6ne Km. from the mouth of the tunnel .	Working for permanent restoration.	BRUNETT	31/7/45	7 %	31

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LAVORI - T O R I N O

Rapporto settimanale al 3 September 1945

inea : TORINO = MODANE (continued)

azione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Frejus at 400	Completely collapsed for about 200 m/ at One Km. from the mouth of the tunnel .	Working for permanent restoration.	BRUNETTI	31/7/45	7 %	31/12/45	12.000.000	Removal of debris proceeding, the Fir has been aske to carry on the work quicker.

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SEZIONE LAVORI - T O R I N O

Linea : TORINO = GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist presu
1)	Walled Bridge 5 aches 12 m. span on river Stenevasso at Km.37+733	3 Arches 1 pier Ishoulder collap=so sed	Temporary restored with sets of poles and iron beams Differdingen	CASTAUDI & SERRA	20.6.45	15 %	31.1

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RI - T O R I N O

: TORINO = GENOVA

Rapporto settimanale al 3 September 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 span nevasso	3 Arches 1 pier Ishoulder collapsed	Temporary restored with sets of poles and iron beams Differdingen	CASTAUDI & SERRA	20.6.45	15 %	31.12.45	11.610.00	New sets of poles to allow the dismantling of the former sets still standing on the piers and shoulders to be reconstructed. Rails prepared for track under double I trusses. The T.E. poles will be removed in a few days, to set those rails.

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : TURIN=GENOA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
2	Walled bridge 5 arches - 3 m.8 and 2 m.3 span km.46+150 torrent Traversa	One arch collapsed and the others partially destroyed	Temporary restored with poles and Differdingen beams	DE BERNARDI	20/6/45	28	12/
3	Acqueduct m.5 km.23+007	Half arch collapsed and sustaining walls damaged.	Temporary restored	"	20/6/45	32	15/

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T O R I N O

TURIN=GENOA

Rapporto settimanale al 3 Sept. 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 and ent	One arch collapsed and the others partially destroyed	Temporary restored with poles and Differdingen beams	DE BERNARDI	20/6/45	28	12/11/45	1.700.000	Construction of the 3 vaults completed for the even track. Front wall completed. Construction of the side walls proceeding.
	Half arch collapsed and sustaining walls damaged.	Temporary restored	"	20/6/45	32	15/11/45	800.000	Concrete vault completed for even track. Valley side wall (Genoa shoulder) completed. Turin side wall will be taken up at once. Propping and top of the vault completed.

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : TURIN=GENOA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
4	Walled bridge 5 arches m.9 span km.54+797 river Borbore	Vault and lateral piers damaged.	Temporary restored.	DE BERNARDI	2/7/45	6
5	Overbridge km. 21+656	Arch partially destroyed	"	DE BERNARDI	2/7/45	12

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I - T O R I N O

Rapporto settimanale al 3 Sept. 1945

TURIN=GENOA

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 pan rer	Vault and lateral piers damaged.	Temporary restored.	DE BERNARDI	2/7/45	6	15/11/45	1.300.000	Turin side wall being built; iron beam asked to sustain the part of track corresponding to the part of the vault to be reconstructed
m.	Arch partially destroyed	"	DE BERNARDI	2/7/45	12	15/11/45	300.000	Demolishing damaged vault completed Camberding set proceeding for the reconstruction of the vault.

Turin 27 August 1945

TO Capt. C O N W A Y
Allied Commission
T U R I N

In the last week works have been going on as shown by the attached reports.
Besieds that 4 iron beams have been put in the night between the 21st and 22nd inst. at the Bridge on the Dora Riperia at Km.33+740 on the line Torino Modane of the lenght of 19.50 m., sq as to enable to open the span of 18.m. side North overgriunded by the Germens and rebuild the collapsed bridge.

For what is concerning the tracks:

a) Even tracks restored at Km.34 to Km. 34+500 on the line Torino Alessandria tween Villanova and Villefranca d'Asti.

b) Even tracks restored between Borgone and Bussoleno on the Line Torino Modane at Km.41+450 to Km.41+600

c) Even tracks restored between Villastellone and Carmagnola for a lenght of 600 m.

d) At the Station of Alessandria it has been restored :

1) The track near by the water supply for the locomotives.
2) The second track of the Locomotives Depot and the 19th track of fascio parigina.

e) At the Station of Altare it has been sent ml. 372 track needing at the line Trinita and Fossano.

In the same Week it has been collested along the lines of the section and sent to Torino Dora- Ufficio Magazzino Approvigionamenti of Torino Smto. Kg.227.891 of iron material.

CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : TORINO = MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pre pres
1)	Bridge on Dora Riparia 3 arches 10 m. span at Km.33+387	2 arches completely collapsed	Traffic going on temporary on iron beams, working for definitive reconstruction.	GUERRINI	16/7/45	10 %	8/1
2)	Underway m.5.77 at Km.82+310	Vault collapsed	Arches are being built definitively	GILLIO	10.7.45	35 %	10
	Walled Bridge of 18 m.21cm. on river Bardonecchia at Km.82+328						
3)	Bridge 3 arches on Melezet at Km. 83+622	Bridge totally collapsed	Works for difinitive reconstruction	ANGIOLINI	10.7.45	20 %	10/1
4)	Tunnel Frejus at Km.85+400	Totally collapsed for 200 m. at 1 Km. from the mouth of the Tunnel	Permanent repairs	BRUNETTI	31.7.45	6 %	31.

AUGUST 27th 194

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I N O

Rapporto settimanale al 27 August 1945

O = MODANE

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
rches completely llapsed	ly Traffic going on temporary on iron beams, working for definitive reconstruction.	GUERRINI	16/7/45	10 %	8/10/45	6.000.000	Beams have been set on extreme arch sied Susa.
ult collapsed	Arches are being built definitively	GILLIO	10.7.45	35 %	10.10.45	4.000.000	Setting up centering o the arch over the Dora Reconstruction of demolished walls
Bridge totally collapsed	Works for difinitive reconstruction	ANGIOLINI	10.7.45	20 %	10/10/45	12.000.000	Works of wall reconstruction begun.
otally collapsed or 200 m. at 1 m. from the mouth f the Tunnel	Permanent repairs	BRUNETTI	31.7.45	6 %	31.10.45	12.000.000	Removal of debris proceeding.

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : GENOVA = OVADA = ASTI

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Iron Bridge 3 Beams on river Tanaro at Km.101+710	1 beam damaged 1 pier and shoulders collapsed	Beam restored Pier and shoulders restored. Track at the mouth of the bridge restored.	ANSALDO	16/7/45	14 %	31
				ERCOLE PAROLDI	22/8/45	—	13/
					23/6/45	100 %	

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O R I N O

VA = OVADA = ASTI

Rapporto settimanale al 27 August 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
1 beam damaged 1 pier and shoulders collapsed	Beam restored Pier and shoulders restored. Track at the mouth of the bridge restored.	ANSALDO ERCOLE PAROLDI	16/7/45 22/8/45 23/6/45	14 % — 100 %	31 / 10/45 13/11/45	7.000.000	Works in the workshop suspended for want of iron. Ercole Firm has been asked to take the works but refused on account of the cost of the materials.

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SEZIONE LAVORI - T O R I N O

Rapporto s

Linea : TORINO = GENOVA (continued)

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	es gui
4)	Walled Bridge 5 arches of 9 m. span at Km.54+797 on river Borbore	Vault and corresponding piers damaged	Temporary reconstruction	DEBERNARDI Felice	2/7/45	5
5)	Overline at Km.21+656	Part of the arch demolished	"	DEBERNARDI	2/7/45	1

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Rapporto settimanale al 27 August 1945

TORINO = GENOVA (continuad)

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 .. +797 ore	Vault and corresponding piers damaged	Temporary reconstruction	DEBERNARDI Felice	2[illegible]/7/45	[illegible] % 5 %	[illegible] 30/9/45	[illegible] 1.300.000	Rebuilding of wall de Torino, Iron beams demanded for substaining tracks corresponding to the damaged arch to be rebuilt
	Part of the arch demolished	"	DEBERNARDI	2/7/45	10 %	12/9/45	300.000	Damaged walls completely demolished setting up centerings for the reconstruction of the arches.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TORINO = GENOVA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito
1)	Walled Bridge 5 arches of 12 m. span at Km.37+733 on River Stenavasso	3 Arches 1 pier 1 shoulder collapsed	Temporary restored with Differdingen Beams.	CASTAUDI & SERRA	20/6/45	13 %
2)	Walled Bridge 5 arches 8 m. 3m span on river Traversa at Km.46+150	1 arch collapsed rest partially damaged	"	DEBERANARDI FELICE	20/6/45	22 %
3)	Viaduct Km.23+007 of 5 m.	Half arch and foundations damaged.	Temporary restored	DEBERANRDI FELICE	20/6/45	24 %

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T O R I N O

TORINO = GENOVA

Rapporto settimanale al 27 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 . 33 assso	3 Arches 1 pier 1 shoulder collapsed	Temporary restored with Differdingen Beams.	CASTAUDI & SERRA	20/6/45	13 %	18/10/45	11610.000	Demolition of old walls proceeding Setting of po poles or cer ers nearly finished for the reconstru tion of the pier and shoulder.
5	1 arch collapsed rest partially damaged	"	DEBERANARDI FELICE	20/6/45	22 %	12/9/45	1.700.000	3 arches corresponding even tra s completed Reconstruction of front wa s begun.
007	Half arch and foundations damaged.	Temporary restored	DEBERANRDI FELICE	20/6/45	24 %	12/9/45	800.000	Arch correspondi to even track completed in concrete. Works begun on shoulde side Genova

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : CEVA = ORMEA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data pris pres
1)	Bridge Viaduct of Ceva in bricks 18 arches of 15 m. at Km.0+782	5 arches and 5 piers collapsed	Removal of debris	DECISI LUIGI	21/8/45	90 %	31/

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T O R I N O

Rapporto settimanale al 27 August 1945

EVA = ORMEA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 arches and 5 piers collapsed	Removal of debris	DECISI LUIGI	21/8/45	90 %	31/8/45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea :- SAVONA = CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
5)	Walled bridge on River Tenaro at Km.57+529 between Niella and Bastia	2 Arches and 1 pier collapsed	Removal of debris, permanent reconstruction	BELLINO Michele	16/7/45	70 %
				FENAROLI	13/8/45	2 %
6)	Walled bridge on river Pesio at Km.63+959 between Bastia and Carrù	1 arch and 1 pier collapsed	Removal of debris	BELLINO	18/7/45	100 %
7)	Walled Bridge 4 arches 20 m. span at Km.69+795 between Carrù and Farigliano	Demolition front walls and demaged arch	Permanent repair	RIZZO Paolo	22/8/45	2 %
8)	Bridge of 6 arches 20 m. span at Km.88+901 between Cherasco and Bra	4th arch collapsed	Permanent repair	ROSAZZA & LANZA Torino	9/7/45	50 %

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I - T O R I N O

SAVONA = CARMAGNOLA

Rapporto settimanale al 27 August 1945

ge ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge on o at etween Castia	2 Arches and 1 pier collapsed	Removal of debris, permanent reconstruction	BELLINO Michele	16/7/45	70 %	31/8/45	200.000	
			FENAROLI	13/8/45	2 %	13/11/45	2.500.000	
ge on at etween Carrù	1 arch and 1 pier collapsed	Removal of debris	BELLINO	18/7/45	100 %	25/8/45	2.000.000	COMPLETED
ge 4 span rù and	Demolition front walls and damaged arch	Permanent repairs	RIZZO Paolo	22/8/45	2 %	22/10/45	300/000	
arches at etween d Bra	4th arch collapsed	Permanent repairs	ROSAZZA & LANZA Torino	9/7/45	50 %	2/9/45	2.200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA =/CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	
1)	Walled Bridge 5 arches m.30 span at Km.8+127 on River Acquabona	3 Arches 2 piers side San Giuseppe collapsed	Removal of debris	COOPERATIVA SAVONESE	25/5/45	7 %	
2)	Walled Bridge 5 arches of m.18 span at Km.9+408 on Rio Isola	Substaining cone and fisrt pier side Savona collapsed	"	GAGGERO & FALCO	25/5/45	7 %	
3)	Walled Bridge 6 arches 14 m. 18 m. span on river Letimbro at Km.10+561	4 Arches and 4 piers collapesd in the Letimbro	"	ASTENGO SAVIO	2/6/45	7 %	
4)	Viaduct on the Braia at KM.46+291 between Ceva and Castellino	4 arches and 3 piers collapsed	Rebuilding piers and bunch of tracks	RIZZO	8/8/45	20 %	

N.B. The works at N° 1 2 3 have been given to the JEDA Firm of Milano

(+) These works have been suspended by order of the A.C. who have ordered line S.Giuseppe Altare Savona.
The tracks on the line Fossano Mondovi Ceva are being removed and sent

CC 5/2

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R I N O

=/CARMAGNOLA

Rapporto settimanale al 27 August 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Arches 2 piers de San Giuseppe ollapsed	Removal of debris	COOPERATIVA SAVONESE	25/5/45	7 %	(+)	1.200.000	
bstaining cone d fisrt pier ide Savona ollapsed	"	GAGGERO & FALCO	25/5/45	7 %	(+)	1.500.000	
Arches and 4 piers ollapesd in the etimbro	"	ASTENGO SAVIO	2/6/45	7 %	(+)	8.000.000	
arches and 3 iers collapsed	Rebuilding piers and bunch of tracks	RIZZO	8/8/45	20 %	30/9/45	300.000	

et Nº 1 2 3 have been given to the JEDA Firm of Milano

have been suspended by order of the A.C. who have ordered the completion of the new
ope Altare Savona.
n the line Fossano Mondovi Ceva are being removed and sent to the station of Altare.

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
1)	Walled Bridge 3 arches 21 m. span at Km.12+850 on river Gesso	3 Arches collapsed pier and shoulder damaged	Removal of Debris	MORRESCO CHIARVA	21/8/45	95 %	3
			Temporary reconstruction	"	22/8/45	2 %	2

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I N O

Rapporto settimanale al 27 August 1945

ESSO = VENTIMIGGIA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
rches collapsed r and shoulder ged	Removal of Debris	MORRESCO CHIARVA	21/8/45	95 %	31/8/45	350.000	
	Temporary reconstruction	"	22/8/45	2 %	21/10/45	660.000	

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SEZIONE LAVORI - T O R I N O

Linea : TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 3 arches 9.40 m. span at KM.4+936 on Banna Stream	Front walls and arch damaged	Pemanent reconstruction	RACCA	16/8/45	85 %

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LAVORI - T O R I N O

Rapporto settimanale al 27 August 1945

Linea : TROFARELLO = CUNEO

cazione l'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
l Bridge 3 s 9.40 m. t KM.4+936 na Stream	Front walls and arch damaged	Pemanent reconstruction	RACCA	16/8/45	85 %	31/8/45	160.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : FOSSANO = CEVA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data r pristi presun
1)	Bridge Viaduct in bricks of 16 arches of 25 m. span at Km.2+606 on River Stura	4 Arches and 3 piers collapsed	Removal of debris	BAUDINO	2I/8/45	100 %	27/8/
2)	Bridge Viaduct in bricks 16 arches 25 m. span at Km. 19+722 on river Ellero	8 arches 6 piers One pier shoulder collapsed	"	RACCA	20/8/45	20 %	20/9/4
3)	Bridge Viaductof 9 arches mof 25 m. span at Km.37+319 on river Tanaro	6 Arches 4 piers 1 pier shoulder collapsed	"	BELLINO Michele	21/8/45	60 %	20/9/4

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RI - T O R I N O

: FOSSANO = CEVA

Rapporto settimanale al 27 August 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
uct f 16 5 m. 2+606 ira	4 Arches and 3 piers collapsed	Removal of debris	BAUDINO	21/8/45	100 %	27/8/45	300.000	
uct 6 arches at on o	8 arches 6 piers one pier shoulder collapsed	"	RACCA	20/8/45	20 %	20/9/45	800.000	
uctof f at n o	6 Arches 4 piers 1 pier shoulder collapsed	"	BELLINO Michele	21/8/45	60 %	20/9/45	200.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : PINEROLO = TORREPELLICE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D
1)	Rail - Road Bridge in bricks and cement of 3 arches 17 m. span each at Km.2+872 on Chisone Stream.	3 Arches collapsed	Removal of the tracks (Deviation)	MAFFIOTTO FELICE	23/8/45	2 %	2

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I - T O R I N O

: PINEROLO = TORREPELLICE

Rapporto settimanale al 27 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge arches ch n m.	3 Arches collapsed	Removal of the tracks (Deviation)	MAFFIOTTO FELICE	23/8/45	2 %	23/10/45	1.257.750	

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SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : NOVARA = DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Underway of 3 arches 4.90 m. span at Km.64+481 on River Lanca di Ornavasso.	1st pier 2nd arch side Novara collapsed. 2nd Pier and shoulders side Domodossola seriously damaged	Permanent reconstruction	CRISTINA	2/7/45	22 %
2)	Iron Bridge of 7 Beams 56.25 m. 68 m. long at Km.66+217 on river Toce.	5th pier and beam between 5th and 6th beam collapsed. 6th 7th beam collapsed in River Bed	Permanent repairs of the beams	SAVIGLIANO	1/8/45	10 %

Ponte 1 binario via con passerella

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AVORI - T O R I N O

nea : NOVARA = DOMODOSSOLA

Rapporto settimanale al 27 August 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
of 3 arches pan 481 on ca di .	1st pier 2nd arch side Novara collapsed. 2nd Pier and shoulders side Domodossola seriously damaged	Permanent reconstruction	CRISTINA	2/7/45	22 %	2/11/45	1.000.000	Rebuilding 2nd pier.
ge of 7 25 m. g at on river	5th pier and beam between 5th and 6th beam collapsed. 6th 7th beam collapsed in River Bed	Permanent repairs of the beams	SAVIGLIANO	1/8/45	10 %	30/10/45	7.000.000	Contractor finding difficulty about purchasing iron materials.

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : TORINO = MILANO

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data pris pres
1)	Bridge on River Ticino at Km.114+133	Arches and some piers seriously damaged	Setting up cente= rings to two of the damaged arches .	GIROLA UMBERTO	24/7/45	45 %	30/9

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AVORI - T O R I N O

nea : TORINO = MILANO

Rapporto settimanale al 27 August 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
n River E 33	Arches and some piers seriously damaged	Setting up centerings to two of the damaged arches .	GIROLA UMBERTO	24/7/45	45 %	30/9/45	2.500.000 No repair but just strengthening2 on arches mostly damaged. Traffic not suspended but speed slackened.	Setting up centering Demolition old walls on river bed.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : SANTHIA = ARONA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunt
1)	Iron Bridge of 5 arches of m.19.65 25.20 m. span at Km.6+398 on river Elvo.	First arch side Santhià second cut.	Permanent repairs	SAVIGLIANO	1/8/45	20 %	30/9/45

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RI - T O R I N O

: SANTHIA = ARONA

Rapporto settimanale al 27 August 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazioni e materiali non dispon.
of 5 .19.65 an at river	First arch side Santhià second cut.	Permanent repairs	SAVIGLIANO	1/8/45	20 %	30/9/45	1.500.000	Works at the workshop preparing repairs on Bridge.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : ASTI = CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunta
1)	Walled Bridge of 13 arches of 10 m. 20 m. span on River PO at Km.46+383	9th Arch collapsed. 1st. arch damage	Arches are being permanently repaired	PIGLIONE EDOARDO	2/7/45	50 %	31/8/4

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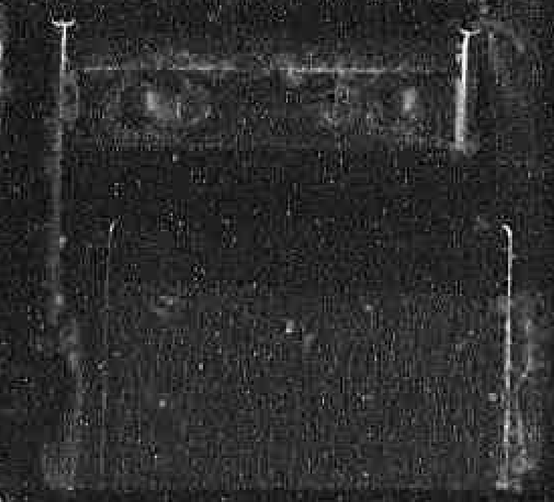
ORI - T O R I N O

: ASTI = CHIVASSO

Rapporto settimanale al 27 August 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge of f 10 m. on	9th Arch collapsed 1st. arch damaged	Arches are being permanently repaired	PIGLIONE EDOARDO	2/7/45	50 %	31/8/45	2.000.000	Setting up centerings for the repairs of the 9th arch. Demolition of the damaged walls of the first arch.



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JUN. - OCT. 1

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1737 (2 OF 2) WEEKLY REPORTS
JUN. - OCT. 1945

Turin 19th August 1945

Subject: Weekly Reports

To Captain C O N W A Y

ALLIED COMMISSION

T U R I N

In the last week works have been going on just as shown by attached reports.
With the complete restoration of the Bridge (Iron) on the River Dora Baltea by Ivrea the line Chivasso - Aosta is perfectly in order for the traffic.
Besides that , Four Iron Differdingen Beams have been set to the Bridge on the Biraga Canal at Km.91+531 on the Line Turin Milano in substi= tution of the damaged beams.
For what is concerning tracks, they have been:
a) - Even track has been restored at Km.33+000 to Km.34+000 on the line Torino - Alessandria, between Villanova and Villafranca d'Asti.
b) -
b) - Even track restored at Km.41+300 to Km.41+450 on the line Torino Modane between Borgone and Busseleno.

c) - Even track restored between Trofarello and Carmagnola for an extent of 600 m.

d) - At the Alessandria Central Station besides the first 7 lines 5 switches have been restored.

e) - At the Alessandria Smistamento Station N° 16 tracks and 6 swithces have been restored for the conjunctions of the restored tracks .

Along the lines of the Section 19 Railways Trucks of Iron materials of the weight of Kg.218591 were found and sent to the Approvigionamenti Sotres of Torino Smistamento.
Some the above mentioned cars contain scrap-steel , pig-iron and old corrugated Zinc, since selectioning the materials on leave the cars burden would not have been fully employed.

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CHIEF OF WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : SAVONA = CARMAGNOLA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Dat pri pre
1)	Walled Bridge 5 arches 30 m. span at Km.8+127 on river Acquabona	3 arches 2 piers sied San Giuseppe collapsed	Removal of debris	COOPERATIVA SAVONESE	25/5/45	7 %	
2)	Walled Bridge 5 arches of 18 m. span at Km.9+408 on Rio Isola	Substaining cone completely collapsed and fisrt pier side Savona	"	GAGGERO & FALCO	25/5/45	7 %	
3)	Walled Bridge 6 arches 14 m. 18 m. span each on river Letimbro	4 arches and 4 piers collapsed in Letimbro	"	ASTENGO SAVIO	2/6/45	7 %	
4)	Viaduct Braia Km.46+291	4 arches 3 piers collapsed	Piers construction and bunch of tracks	RIZZO	8/8/45	15 %	30/

N.B. Works here have been suspended by order of the Allied Command that has
of the S.Giuseppe = Altare = Savona Line .
The Tracks on the Line Fossano = Mondovi ¥ Ceva are being removed and t

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AUGUST 20th 194

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T O R I N O

Rapporto settimanale al 20 August 1945

SAVONA = CARMAGNOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
an	3 arches 2 piers sied San Giuseppe collapsed	Removal of debris	COOPERATIVA SAVONESE	25/5/45	7 %	(+)	1.200.000	
8	Substaining cone completely collapsed and fisrt pier side Savona	"	GAGGERO & FALCO	25/5/45	7 %	(+)	1.500000	
5 m. ver	4 arches and 4 piers collapsed in Letimbro	"	ASTENGO SAVIO	2/6/45	7 %	(+)	8.000.000	
	4 arches 3 piers collapsed	Piers construction and bunch of tracks	RIZZO	8/8/45	15 %	30/9/45	3.000.000	

re have been suspended by order of the Allied Command that has taken up the completion
.Giuseppe = Altare = Savona Line .
ks on the Line Fossano = Mondovi # Ceva are being removed and taken to Altare Station.

AUGUST
20th 194

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA = CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p p
5)	Walled Bridge on River Tanaro at Km. 57+529	2 Arches and one pier collapsed	Removal of debris	BEELINO MICHELE	16/7/45	60 %	3
				FENEAROLI	13/8/45	=	1
6)	Walled Bridge on River Pesio at Km.63+959	1 Arch and 1 Pier collapsed	Removal of Debris	BELLINO MICHELE	18/7/45	80 %	2
7)	Bridge 6 arches 20 m. span each on river Stura at Km.88+901	4th arch collapsed	Permanent restoration	ROSAZZA LANZA	9/7/45	45	2

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T O R I N O

Rapporto settimanale al 20 August 1945

AVONA = CARMAGNOLA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
2 Arches and one pier collapsed	Removal of debris	BELLINO MICHELE	16/7/45	60 %	31/8/45	200.000	
		FENEAROLI	13/8/45	=	13/11/45	2.500.000	
n 1 Arch and 1 Pier collapsed	Removal of Debris	BELLINO MICHELE	18/7/45	80 %	25/8/45	2.000.000	
4th arch collapsed	Permanent restoration	ROSAZZA LANZA	9/7/45	45	2/9/45	2.200.000	Supply of material and demolition old walls. Building of centering proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : ASTI = CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
1)	Walled bridge of 13 arches: 10 m. 20 m. span at Km.46+838 on River Po	9th arch collapsed damaged first one	Arches are definitively rebuilt	PIGLIONE	2/7/45	40 %	

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T O R I N O

TI = CHIVASSO

Rapporto settimanale al 20 August 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
9th arch collapsed damaged first one	Arches are definitively rebuilt	PIGLIONE	2/7/45	40 %	31/8/45	2.000.000	First arch is being partially demolished Starting work at the 9th arch

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TORINO = MODANE

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito
1)	Bridge on Dora Riparia at Km. 33+387 of 3 atches	2 arches completetly collapsed	Traffic is effected tem= porary on iron beams Works proceeding for a permanent restoration	GUERRINI	16/7/45	7 %
2)	Underway of 5.77m at Km.82+310 Walled bridge 18.21 m. on river Bardonecchia at Km. 82+328	Vault collapsed	Vaults are being definitively rebuilt	GILLIO	10/7/45	30 %
3)	Bridge of 3 arches on river Melezet at Km.83+622	Bridge totally collapsed	Works done permanently	ANGIOLINI	10/7/45	16 %
4)	Tunnel Frejus at Km.85+400	Totally collapsed for about 200 m. from one Km.from the mouth of the Tunnel southwards	Working for a permanent res= toration	BRUNETTI	31/7/45	4 %

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O R I N O

INO = MODANE

Rapporto settimanale al 20 August 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
2 arches completely collapsed	Traffic is effected temporary on iron beams Works proceeding for a permanent restoration	GUERRINI	16/7/45	7 %	8.10.45	6.000.000	Setting up centerings 3 arches repaired with Differdingen beams
Vault collapsed	Vaults are being definitively rebuilt	GILLIO	10/7/45	30 %	10/10/45	4.000.000	Vault completed and started setting up of centerings for the bridge
Bridge totally collapsed	Works done permanently	ANGIOLINI	10/7/45	16 %	10/10/45	12.000.000	
Totally collapsed for about 200 m. from one Km. from the mouth of the Tunnel southwards	Working for a permanent restoration	BRUNETTI	31/7/45	4 %	31/10/45	12.000.000	Removal of debris

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : GENOVA = OVADA = ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	es gui
1)	Iron ridge of 3 beams at Km.101+710 on river Tanaro	One beam damaged one pier sunk and corresponding shoulders damaged	Beams restored	ANSALDO	16/7/45	12
			Collapsed pier restored and repairs to the damaged shoulders Trackm at the moth of the bridge repaired.	ERCOLE SECONDO	22/8/45	
				PAROLDI	23/6/45	1

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E LAVORI - T O R I N

Rapporto settimanale al 20 August 1945

Linea : GENOVA = OVADA = ASTI

bicazione ll'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge of ms at 01+710 on riv ro	One beam damaged one pier ~~damaged~~ er collapsed and corresponding shoulders damaged	eams restored	ANSALDO	16/7/45	12 %	31/10/45		Contractor proceeding w s at the worksh
		Collapsed pier restored and repairs to the damaged shoulders Tracks at the mo th of the bridge repaired.	ERCOLE SECONDO	22/8/45	-	13/11/45		Ditta rcol has been invited to take up works on 22/8/45
			PAROLDI	23/6/45	100 %			

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SEZIONE LAVORI - T O R I N O

Rapporto

Linea : TORINO = GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori
1)	Walled bridge 5 arches of 12 m. span each at Km.37+733 on river Stenavasso	3 arches 1 pier and shoulders collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6/45
2)	Walled Bridge 5 arches 8 m. 3 m. psan each on river Traversa at Km.46+150	One arch collapsed rest partially damaged	"	DE BERNARDI	20/6/45
3)	Viaduct of 5 m. at Km.23+007	Half arch, collapsed foundations damaged	Temporary restored	DE BERNARDI	20/6/45
4)	Walled bridge 5 atches 9 m. span at Km. 64+797 on river Borbore	Vault and correspon ding piers (side) damaged.	"	"	2/7/45
5)	Underway at Km.21+656	Part of the arch demolished	"	DE BERNARDI	2/7/45

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ONE LAVORI - T O R I N O

Linea : TORINO = GENOVA

Rapporto settimanale al 20 August 1945

Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non disponibili
led bridge 5 hes of 12 m. n each at 37+733 on river navasso	3 arches 1 pier and shoulders collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6/45	12 %	18/10/45	11.610.000	Demolition of old wal setting up centering
led Bridge 5 hes 8 m. 3 m. n each on river versa at 46+150	One arch collapsed rest partially damaged	"	DE BERNARDI	20/6/45	20 %	12/9/45	1.700.000	Arches corresponding t even trach nearly finished
luct of 5 m. m. 23+007	Half arch, collapsed foundations damaged	Temporary restored	DE BERNARDI	20/6/45	22 %	12/9/45	800.000	Repairing arc in concrete
ed bridge 5 es 9 m. span m. 64+797 on r Borbore	Vault and correspon ding piers (side) damaged.	"	"	2/7/45	3 %	30/9/45	1.300.000	Works pro= ceeding at the walls Iron beams requested
erway at 21+656	Part of the arch demolished	"	DE BERNARDI	2/7/45	3 %	12/9/45	300.000	Tracks removed for the setting of centerin

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SEZIONE LAVORI - T O R I N O

Linea : NOVARA = DOMODOSSOLA

Rapporto set

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Bridge of 3 arches of 4.90 m. span each at Km.64+481 on the Lanca di Ornavasso	First pier and second arch side Novara collapsed. Second pier and shoulders side Domodossola seriously damaged	Working for a definitive restoration	CRISTINA	2/7/45	20 %
2)	Iron Bridge of 7 bemas of 56.25 m. 68 m. long at Km.66+217 on river Toce	5th pier and beam between 5th and 6th pier collapsed. 6th and 7th beam collpsed on river bed	Beam definitively restored	SAVIGLIANO	1/8/45	10 %

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ORI - T O R I N O

Rapporto settimanale al 20 August 1945

a : NOVARA = DOMODOSSOLA

ione era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 arches span .64+481 ca di	First pier and second arch side Novara collapsed. Second pier and shoulders side Domodossola seriously damaged	Working for a definitive restoration	CRISTINA	2/7/45	20 %	2/11/45	1.000.000	Demolishing damaged piers and arches Preparing for wall reconstruction
e of 7 5.25 m. at on river	5th pier and beam between 5th and 6th pier collapsed. Per 6th and 7th beam collpsed on river bed	Beam definitively restored	SAVIGLIANO	1/8/45	10 %	30/10/45	7.000.000	Works in the workshop. Contractor finding difficulty in purchasing iron material

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : TORINO = MILANO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Bridge on River Ticino at Km.114+133 -	Arches and piers seriously damaged	set up of centering to two of the damaged arches	GIROLA	24=7=45	30 %

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AVORI - T O R I N O

ea : TORINO = MILANO

Rapporto settimanale al 20 August 1945

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
River 3 -	Arches and piers seriously damaged	set up of centrings to two of the damaged arches	GIROLA	24=7=45	30 %	30/9/45 No restoration to be made only strenghtning of two greater arches Traffic not suspended speed only slackened	2.500.000	Setting up centerings demolition of old walls

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : SANTHIA = ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
2)	Iron Bridge of 5 arches of 19.65 m. 25.20 m. span at Km.6+398 on River Elvo	First arch side Santhià collapsed and second cut	permanently restored	SAVIGLIANO	1/8/45	10 %

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E LAVORI - T O R I N O

Linea : SANTHIA = ARONA

Rapporto settimanale al 20 August 1945

icazione l'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Bridge of 5 of 19.65 m. m. span at 398 on Elvo	First arch side Santhià and collapsed and second cut	permanently restored	SAVIGLIANO	1/8/45	10 %	30/9/45	1.500000	Cutting off of the damaged part. Works in the workshop

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : CHIVASSO = AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron Beam of 54 M. at Km.32+888 on River Dora Baltea	Beam broken at 8 m. from the support on Ivrea side - Total collapse	Lifting of the beam of 42 m. and adding of 12 m. new beam Work is done definitively	COGNE	2/7/45	100 %

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LAVORI - T O R I N

Linea : CHIVASSO = AOSTA

Rapporto settimanale al 20th August 1945

Località dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Beam of 54 M. 52+888 on Dora Baltea	Beam broken at 8 m. from the support on Ivrea side - Total collapse	Lifting of the beam of 42 m. and adding of 12 m. new beam Work is done definitively	COGNE	2/7/45	100 %	14.8.45	5.800.000	Complete

2473

I.S.R.

WORKS SECTION

Turin August 12th. 1945

To: Capt. CONWAY - WORKS SECTION
TURIN

SUBJECT: Weekly report on restoration works.

During the last week the restoration wofks have been continued as it appears on the attached sheets.

By the half-definitive restoration of the bridge on the Stura -km.73+302 of Trofarello-Cuneo line (sets of poles on concrete foundation and full iron trusses) the line section between S.Benigno and Cuneo Gesso has been open to the traffic on 9inst., and will be available also to electric trains from 12.00 12 inst.

And besides:

a)- Even track restored from km.46+905 to km.47+225 of Turin-Alessandria line between Baldichieri and S.Damiano stations.
b)- Even track restored from km.41+160 to km.41+300 of Turin-Modane line between Borgone and Bussoleno stations.
c)- Even track restored on Trofarello-Cuneo line for several sections of a total length of m.800.

Besides ten trucks of iron materials (weight: kg;91204) have been recovered along this Section lines and sent to Torino Dora sration.

THE CHIEF OF THE WORKS SECTION

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Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : TURIN-MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Bridge on Dora Riparia 4 arches m.10 each km.33+387 between S.Antonino and Borgone	Two arcades completely collapsed.	The trains are temporary running on iron trusses. Works proceeding for the definitive repair.	GUERRINI	16/7/45	6
2	Underway m.5,77 km.82+310 Walled bridge m. 18,21 on torrent Bardonecchia km. 82+328	Vault collapsed	Definitive reconstruction proceeding	GILLIO	10/7/45	20
3	Bridge 3 arcades on torrent Melezet km.83+622	Totally collapsed	Definitive reconstruction proceeding	ANGIOLINI	10/7/45	15
4	Frejus artificial tunnel km.85+400	Completely collapsed on about 200 m. 1km. from Southmouth.	Definitive reconstruction proceeding.	BRUNETTI	31/7/45	3

AUGUST
13th 15

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RI - T O R I N O

Rapporto settimanale al 13/8 1945

: TURIN-MODANE

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Dora arches km.33+ a S.An- Borgone	Two arcades completely collapsed.	The trains are temporary running on iron trusses. Works proceeding for the definitive repair.	GUERRINI	16/7/45	6	8/10/45	6.000.000	Yard being prepared-materials supply. The Firm have been recalled because the work does not proceed within the due time.
1.5,77 ge m. orrent ia km.	Vault collapsed	Definitive reconstruction proceeding	GILLIO	10/7/45	20	10/10/45	4.000.000	Construction and setting of cambering Cement relining of the underway vault being prepared.
arcades t Mele- 622 ificial 85+400	Totally collapsed	Definitive reconstruction proceeding	ANGIOLINI	10/7/45	15	10/10/45	12.000.000	Demolition of collapsed walls.
	Completely collapsed on about 200 m. 1km. from Southmouth.	Definitive reconstruction proceeding	BRUNETTI	31/7/45	3	31/10/45	12.000.000	Yard being prepared/

AUGUST 13th 19

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : CHIVASSO-AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Iron beam m.54 km.32+888 Dora Baltea.	The beam is broken at m.8 from Ivrea side Totally collapsed	Raising of m.42 full beam and connection with a m.12 new construction for definitive restoration.	COGNE	2/7/45	98

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AVORI - T O R I N O

Rapporto settimanale al 13/8/45 1945

nea : CHIVASSO-AOSTA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
am m.54 8 Dora	The beam is broken at m.8 from Ivrea side Totally collapsed	Raising of m.42 full beam and connection with a m.12 new construction for definitive restoration.	COGNE	2/7/45	98	15/8/45	4.000.000	Finishing works.

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SEZIONE LAVORI - T O R I N O

Rapporto set

Linea : ASTI-CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 3 arcades: One m.10 span and twelve m.20 km. 46+838 on the Po.	9th.arcade collapsed; first damaged.	The vaults are being definitively reconstructed.	PIGLIONE ED.	2/7/45	30

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LAVORI - T O R I N O

Rapporto settimanale al 13/8/45 1945

Linea : ASTI-CHIVASSO

azione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
bridge 3 ar- 0 span and m.20 km. on the Po.	9th.arcade collapsed; first damaged.	The vaults are being definitively reconstructed.	PIGLIONE ED.	2/7/45	30	31/8	2.000.000	Camberings for 9th. arcade being completed. The Firm has been recalled because the work does not proceed within the due time.

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : SANTHIA'-ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguit
1	Iron bridge 5 arcades; lateral m.19,65 and centra m.25;20-km.6+398 torrent Elvo.	First arcade Santhià side collapsed- second cut.	Definitive restoration.	OFF. SAVIGLIANO	1/8	8

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VORI - T O R I N O

Rapporto settimanale al 13/8 1945

ea : SANTHIA'-ARONA

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 arteral nd centra n.6+398 lvo.	First arcade Santhià side collapsed- second cut.	Definitive restoration.	OFF. SAVIGLIANO	1/8	8	30/9/45	1.500.000	Works proceeding in the workshops and on the yard.

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TURIN-MILAN

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Bridge on the Ticino km.114+133	Arcades and several pillars seriously damaged	Two of the damaged arcades have to be sustained by camberings.	GIROLA UMBERTO MILAN	The works have been started from 24/7/45	20

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LAVORI - T O R I N O

Rapporto settimanale al 13/8/45 1945

Linea : TURIN-MILAN

azione l'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
on the km.114+133	Arcades and several pillars seriously damaged	Two of the damaged arcades have to be sustained by camberings.	GIROLA UMBERTO MILAN	The works have been started from 24/7/45	20	30/9/45 It is not a restoration work but only consolidation of the two most damaged arcades. The traffic is not interrupted. Only speed limit.	2.500.000	Cambering construction

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SEZIONE LAVORI - T O R I N

Rapporto setti

Linea : NOVARA-DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Underway 3 arcades m.4,90 span km.64+481 on the Lanca di Ornavasso	First pillar and second arcade-Novara side collapsed-Second pillar and Domodossola side shoulder seriously damaged.	Definitive reconstruction.	CRISTINA	2/7	10
2	Iron bridge 7 arcades; extreme m. 56,25 internal m.68 span km.66+217 river Toce.	5th.pillar and beam between 5th and 6th.pillar collapsed. 6th. and 7th. arcades collapsed in the river bed.	Definitive reconstruction of the beam.	OFFICINE SAVIGLIANO	1/8	7

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VORI - T O R I N

Rapporto settimanale al 13/8 1945

nea : NOVARA-DOMODOSSOLA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 arcate 90 span 1 on the Ornavasso	First pillar and second arcade-Novara side collapsed-Second pillar and Domodossola side shoulder seriously damaged.	Definitive reconstruction.	CRISTINA	2/7	10	2/11/45	1.000.000	Débris cleared off ground prepared for walls construction. Still waiting for the cement.
dge 7 arxtreme m. nternal n km.66+ r Toce.	5th.pillar and beam between 5th and 6th.pillar collapsed. 6th. and 7th. arcades collapsed in the river bed.	Definitive reconstruction of the beam.	OFFICINE SAVIGLIANO	1/8	7	30/10	7.000.000	Orders given to the workshops.

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SEZIONE LAVORI - T O R I N O

Linea : TROFARELLO-CUNEO

Rapporto sett

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 11 arcades m.15 span km.73+302 torrent Stura.	9th. 10th. 11th. arcades and 2 pillars Cuneo side collapsed.	3 sets of poles; the principal trusses: iron	VOLI Cuneo	1/6	100

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ORI - T O R I N O

Rapporto settimanale al 13/8 1945

a : TROFARELLO-CUNEO

one opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
idge m.15 +302 ura.	9th. 10th. 11th. arcades and 2 pillars Cuneo side collapsed.	3 sets of poles; the principal trusses: iron	VOLI Cuneo	1/6	100	9/8/45	6.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA-CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 5 arcades m.30 span km.8+127 torrent Acquabona.	3 arcades and 2 pillars S.Giuseppe side collapsed.	Clearing of debris proceeding.	COOP. SAVONESE	25/5/45	7
2	Walled bridge 5 arcades m.18 span km.9+408 (Rio Isola)	Retaining cone and Savona side first pillar collapsed.	"	GAGGERO & FALCO	25/5.45	7
3	Walled bridge 6 arcades; extreme m.14 and internal m.18 span; torrent Letimbro km.10+561	4 internal arcades and 4 pillars sunk into the Letimbro.	"	ASTENGO & SAVIO	&2/6/45	7
4	Bridge on the Stura- 6 arches m.20 each km. 00+901 between Cherasco and Bra.	4th. arcade collapsed.	Definitive restoration.	ROSAZZA & LANZA Torino	9/7/45	35

N.B.- As to the reconstruction of the pillars, the works n.1-2-3 have be
the Firm JEDA Impresa Edili DE MARTINI Alessio-Milan - 23/7/45
Estimated amount: 28.550.000

(+)- The works have been suspended by order of Allied Commission, and p
to S.Giuseppe-Altare-Savona new line.
On this purpose, the tracks on Fossano-Mondovì-Ceva line are being
materials sent to Altare station.

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VORI - T O R I N O

ea : SAVONA-CARMAGNOLA

Rapporto settimanale al 13/8 1945

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
idge 5 .30 span torrent .	3 arcades and 2 pillars S.Giuseppe side collapsed.	Clearing of debris proceeding.	COOP. SAVONESE	25/5/45	7	(+)	1.200.000	
idge 5 .18 span (Rio Iso-	Retaining cone and Savona side first pillar collapsed.	"	GAGGERO & FALCO	25/5.45	7	(+)	1.500.000	
idge 6 extreme internal ; torrent km.10+561	4 internal arcades and 4 pillars sunk into the Letimbro.	"	ASTENGO & SAVIO	2/6/45	7	(+)	8.000.000	
the arches km.66+ en Che- Bra.	4th. arcade collapsed.	Definitive restoration.	ROSAZZA & LANZA Torino	9/7/45	35	2/9/45	2.200.000	Materials supply and old masonry demolishing Camberings construction.

to the reconstruction of the pillars, the works n.1-2-3 have been given to
e Firm JEDA Impresa Edili DE MARTINI Alessio-Milan - 23/7/45
timated amount: 28.550.000

e works have been suspended by order of Allied Commission, and priority given
S.Giuseppe-Altare-Savona new line.
this purpose, the tracks on Fossano-Mondovì-Ceva line are being dismantled and
erials sent to Altare station.

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TURIN-GENOA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1	Walled bridge 5 arcades m.12 span km.37+733 torrent Stenavasso.	3 arcades 1 pillar and 1 shoulder collapsed.	Temporary restorred with sets of poles and Differdingen beams.	CASTAUDI & SERRA	20/6	11
2	Walled bridge 5 arcades 3 m.8 and 2 m.3 span km.46+150 torrent Traversa.	1 arcade collapsed and others partially destroyed?	"	DE BERNARDI	20/6	18
3	Acqueduct m.5 km.23+007	Half arcade and sustaining walls damaged	Temporary restored	DE BERNARDI	20/6	19
4	Walled bridge 5 arcades m.9 span km.54+797 river Borbore.	Vault and corresponding lateral pillars damaged	"	"	2/7/45	1
5	Overbridge km.21+656	Arcade partially destroyed.	"	"	2/7	2

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RI - T O R I N O

Rapporto settimanale al 13/8 1945

: TURIN-GENOA

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 2 span orrent	3 arcades 1 pillar and 1 shoulder collapsed.	Temporary restorred with sets of poles and Differdingen beams.	CASTAUDI & SERRA	20/6	11	18/10/45	11.610.000	Foundation for the poles prepared Sustaining camberings being prepared.
dge 5 .8 and km.46+ Tra-	1 arcade collapsed and others partially destroyed?	"	DE BERNARDI	20/6	18	19/9/45	1.700.000	The construction of the vault has been started for the part over the even track.
m.5	Half arcade and sustaining walls damaged	Temporary restored	DE BERNARDI	20/6	19	12/9/45	800.000	Camberings for the vault constructed. Waiting for the cement.
dge 5 9 span river	Vault and corresponding lateral pillars damaged	"	"	2/7/45	1	30/9/45	1.300.000	Restoration of Turin side wall started.
km.21+	Arcade partially destroyed.	"	"	2/7	2	12/9/45	300.000	Waiting for works to the electric plant by I.E.S.office

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : GENOA-OVADA-ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
1	Iron bridge 3 arcades km.101+710 on river Tanaro.	1 arcade damaged 1 pillar collapsed and corresponding shoulders damaged.	Arcades restored	ANSALDO	16/7/45	10	3
			Collapsed pillar restored and damaged shoulder repaired.	ERCOLE SECONDO	9/7/45	3	3
			Access track to the bridge restored.	PAROLDI			

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AVORI - T O R I N O

Rapporto settimanale al 13/8 1945

nea : GENOA-OVADA-ASTI

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
idge 3 km.101+ iver	1 arcade damaged 1 pillar collapsed and corresponding shoulders damaged	Arcades restored	ANSALDO	16/7/45	10	31/10/45	7.000.000	Works proceeding in the workshop.
		Collapsed pillar restored and damaged shoulder repaired.	ERCOLE SECONDO	9/7/45	3	31/10/45		
		Access track to the bridge restored.	PAROLDI					

Turin 6/8/45

2772

I.S.R.

WORKS SECTION

To: Capt. CONWAY

TURIN

SUBJECT: Weekly report on restoration works.

During the last week the restoration works have been proceeding as it appears on the attached sheets.

We inform that Casale-Mortara line is available to transit as from to morrow 6 inst., after the half-definitive restoration of the bridge over the torrent Agogna.(timber construction set on concrete foundations and full iron beams.)

And besides:

a)- several sections of even track restored on Turin-Alessandria line between Villanova and Villafranca d'Asti stations; total length: m.300.

b)- even train track restored from km.39+580 to km.39+230 on Turin-Milan line between Livorno Ferraris and Saluggia stations.

c)- double track completely restored between Alessandria and Cantalupo stations, after the reconstruction of ml. 500 of running track.

THE CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TORINO = GENOA

N° d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled Bridge 8 arcades 12 m. span Km.37+733 on river Stenavasso	3 Arcades 1 pillar 1 shoulder collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6	10 %
2)	Walled bridge 4 arcades 8m. 3m. psan, Km.46+150 on Stream Traversa	One arcade collapsed others partly damaged	"	DEBERNARDI FELICE	20/6	16 %
3)	Viaduct 5 m. Km.23+007	Half arcade collapsed and retaining walls damaged	Temporary reconstructed	DEBERNARDI FELICE	20/6	17 %
4)	Walled bridge 5 arcades 9 m. span Km.54+797 on river Borbore	Vault and corresponding pilllars damaged	"	"		
5)	Overbridge Km.21+656	Part of the arcade demolished	"	DEBERNARDI FELICE	2/7	2 %

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I - T O R I N O

Rapporto settimanale al 6 August 1945

: TORINO = GENOA

...ge ...ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
...ge B ...n. ...733 ...navasso	3 Arcades 1 pillar 1 shoulder collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6	10 %	18/10/45	11.610.000	Supply of materials demolition old walls proceeding
...ge 4 ...3m. ...+150 ...aversa	One arcade collapsed others partly damaged	"	DEBERNARDI FELICE	20/6	16 %	19/9/45	2.700.000	Benzine and cement is needed
...	Half arcade collapsed and retaining walls damaged	Temporary reconstructed	DEBERNARDI FELICE	20/6	17 %	12/9/45	800.000	Demolition old walls proceeding
...ge 5 ...n. span ...m river	Vault and corresponding pilllars damaged	"	"				1.300.000	Work. have not yet begun
	Part of the arcade demolished	"	DEBERNARDI FELICE	2/7	2 %	12/9/45	300.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : GENOVA = OVADA = ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1)	Iron Bridge 3 beams on river Tanaro Km.101+710	One beam one pillar collapsed shoulders damaged	Reconstruction of the shoulders of the beam pillars etc.	ANSALDO	16/7/45	7 %	
				E. SECONDO	9/7/45	2 %	3
				PAROLDI	23/6/45	100 %	

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- T O R I N O

GENOVA = OVADA * ASTI

Rapporto settimanale al 6 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
r +710	One beam one pillar collapsed shoulders damaged	Reconstruction of the shoulders of the beam pillars etc.	ANSALDO	16/7/45	7 %	31/10/45	7.000.000	Working in th work p
			E. SECONDO PAROLDI	9/7/45 23/6/45	2 % 100 %	31/10/45		Supply of materials proceeding

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CASALE = MORTARA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D. p.
1)	Bridge 16 arcades 17 m. span on river Sesia Km.76+255	8th arcade collapsed	Reconstruction finished	COMONI MARIO	18/6/45	100%	
2)	Walled bridge 2 arcades 17 m. span on river Agogna Km.88+714	Collapsed. Sets of poles in substitution of the pillar	Two sets of Differdingen beams will be put	BRIDGE STAFF	18/6	100 %	

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- T O R I N O

CASALE = MORTARA

Rapporto settimanale al 6 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ades river 5	8th arcade collapsed	Reconstruction finished	COMONI MARIO	18/6/45	100%	21/7/45		COMPLETE
2 714	Collapsed. Sets of poles in substitution of the pillar	Two sets of Differdingen beams will be put	BRIDGE STAFF	18/6	100 %	3/8/45		COMPLETE

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : NOVARA = DOMOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
N1)	Underway 3 arcades 4.90 m span Km.64+481 on the Lanca di Ornavasso	First and second arcade side Novara Collapsed. Second pillar and shoulder side Domodossola seriously damaged	Definitve reconstruction	CRISTINA	2/7	10 %	
2)	Iron Bridge 7 arcades 56,25m. 68 m. span Km.66+217 on river Toce	5th pillar beam between 5th and 6th pillar collapsed 6th 7th beam collapsed on the river bed	Definitive reconstruction	SAVIGLIANO	1/8	5 %	

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TORINO

Rapporto settimanale al 6 August 1945

NOVARA = DOMOSSOLA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ades e asso	First and second arcade side Novara Collapsed. Second pillar and shoulder side Domodossola seriously damaged	Definitve reconstruction	CRISTINA	2/7	10 %		1.000.000	Debris removed preparing the foundations for wall reconstructi Awaiting for emer
66+217	5th pillar beam between 5th and 6th pillar collapsed 6th 7th beam collapsed in the river bed	Definitive reconstruction	SAVIGLIANO	1/8	5 %	30/10	7.000.000	Works taken up in the workshop

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SANTHIA = ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D R
1)	Iron Bridge 5 arcades 19,65 m. m. span Km.6+398 on River Elvo	First arcade side 25 Santhià collapsed second one cut	Definitive reconstruction	1/8	5 %	30/9	

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AVORI - T O R I N O

Rapporto settimanale al 6 August 1945

nea : SANTHIA = ARONA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 5 19,65 m. Km.6+398 Elvo	First arcade side 25 Santhià collapsed second one cut	Definitive reconstruction	1/8	5 %	30/9	1.500.000		Works are being done for the lifting of the collapsed beam

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : CHIVASSO = AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
4)	Iron beam 54 m. long Km.32+888	Beam broken at 8 m. from the stay side Ivrea ——— Totally collapsed	The greater part has been lifted that now leans on the shoulder side Aosta and on two iron pillars in the middle of the river. The new beam finished and is being joined to the old one	CONGNE	2/7/45	90 %	15/

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I - T O R I N O

CHIVASSO = AOSTA

Rapporto settimanale al 6 August 1945

e a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
m. 88	Beam broken at 6 m. from the stay side Ivrea ——— Totally collapsed	The greater part has been lifted that now leans on the shoulder side Aosta and on two iron pillars in the middle of the river. The new beam finished and is being joined to the old one	CONGNE	2/7/45	90 %	15/8/45	4.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : ASTI = CHIVASSO

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data pria pres
£)	Walled Bridge 13 arcades 10 20m. span on River PO Km.46+838	10th arcade collapsed first damaged	Vaults are being reconstructed	PIGLIONE EDUARDO	2/7/45	20 %	3

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VORI - T O R I N O

Rapporto settimanale al 6 August 1945

ea : ASTI = CHIVASSO

ione pera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
dge 13 10 20m. ver PO	10th arcade collapsed first damaged	Vaults are being reconstructed	PIGLIONE EDUARDO	2/7/45	20 %	31/8	2.000.000	Complete construction of camberings Cement obtained

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : SAVONA-CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1	Walled bridge 5 arcades m.30 span km.8+127 torrent Acquabona	3arcades and 2 pillars collapsed S.Giuseppe side	Clearing of debri proceeding	COOP. SAVONESE	25/5/45	7%	
2	Walled bridge 5 arcades m.18 span km.9+408(Rio Isola)	Retaining cone and first pillar Savona side completely collapsed	" "	GAGGERO & FALCO	25/5/45	7 %	
3)	Walled Bridge 6 arcades 14 m. 18m. span on Stream Letimbro Km.10+561	4 arcades and 4 pillars collapsed in the Letimbro	" "	ASTENGO & SAVIO	2.6.45	7 %	
4)	Bridge 6 arcades 20 m. span on river Stura Km.88+901	4th arcadem collapsed	Definitive reconstruction	ROSAZZA LANZA	9/7/45	15 %	

N.B. The works have been suspended by the Allied Commission, works are go
reconstruction of the S.Giuseppe-Altare-Savona Line.

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VORI - T O R I N O

Rapporto settimanale al 6 August 1945

ea : SAVONA-CARMAGNOLA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 5 n.30 span torrent	3arcades and 2 pillars collapsed S.Giuseppe side	Clearing of debri proceeding	COOP. SAVONESE	25/5/45	7%		1.200.000	Materials supply and old masonry demolishing. Cambarings being bu.t
ridge 5 m.18 span (Rio Iso-	Retaining cone and first pillar Savona side completely collapsed	"	GAGGERO & FALCO	25/5/45	7 %		1.500.000	
ridge 6 14 m. 18m. tremm Km.10+561	4 arcades and 4 pillars collapsed in the Letimbro	"	ASTENGO & SAVIO	2.6.45	7 %		8.000.000	
arcades an on ura 01	4th arcadem collapsed	Definitive reconstruction	ROSAZZA LANZA	9/7/45	15 %	2.9.45		

The works have been suspended by the Allied Commission, works are going on for the complete reconstruction of the S.Giuseppe=Altare=Savona Line.

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SEZIONE LAVORI - T O R I N O

Rapporto se

Linea : TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguit
1)	Walled bridge 11 arcades 15 m. span Km.73+302 on river Stura	9 10 11 and 2 pillars Cuneo side collapsed	3 sets of poles main beams of iron	VOLI	1/6	98

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LAVORI - T O R I N O

Rapporto settimanale al 6 August 1945

inea : TROFARELLO = CUNEO

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ridge 11 15 m. span 2 on river	9 10 11 and 2 pillars Cuneo side collapsed	3 sets of poles main beams of iron	VOLI	1/6	98 %	6/8/45	6.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : TORINO = MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data presunta
1)	Bridge 3 arcades 15,53 m. span on river Dora Riparia Km.44+910	2 Arcades completely collapsed	Traffic restablished with iron beams	GUERRINI	16/7/45	5 %	8
2)	Underway m.5,77 Km.82.310 Walled bridge 18,21 m. on river Bardonecchia Km.82+328	Vault collapsed	Vault being definitively reconstructed	GILLIO	10/7/45	10 %	
3)	Bridge 3 arcades on stream Melezet Km.83+622	Bridge totaly collapsed	Tracks being taken away	ANGIOLINI	10/7/45	10 %	
4)	Artificial Tunnel Frejus Km.85+400	Colapped for about 200 m. ~~from~~ at the mouth of the tunnel	———	BRUNETTI	31/7/45	2 %	

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I - T O R I N O

TORINO = MODANE

Rapporto settimanale al 6 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ades on paria	2 Arcades completely collapsed	Traffic restablished with iron beams	GUERRINI	16/7/45	5 %	8/10/45	6.000.000	preparing yard
,77								
18,21	Vault collapsed	Vault being definitively reconstructed	GILLIO	10/7/45	10 %	10/10/45	4.000.000	Reconstruction of the shoulder side Turin being finished. Demolition of old walls.
les on	Bridge totaly collapsed	Tracks being taken away	ANGIOLINI	10/7/45	10 %	10/10/45	12.000.000	Demolition of old walls
nel 00	Colapped for about 200 m. from the mouth of the tunnel	———	BRUNETTI	31/7/45	2 %	31/10/45	12.000.000	Yard being prepared

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : TORINO = MILANO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist. presu
1)	Bridge on river Ticino Km.114+133	Some arcades and pillars seriously damaged	Two of the pillars have to be relined with camberings	GIROLA UMBERTO	24/7/45	6 %	2 of arcade nave t reinfo traffi interr speed slacke

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Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

INO = MILANO

Rapporto settimanale al 6 August 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3	Some arcades and pillars seriously damaged	Two of the pillars have to be relined with camberings	GIROLA UMBERTO	24/7/45	6 %	2 of the arcades have to be reinforced traffic not interrupted speed only slackened	2.500.000	Preparing for the construction of the camberings

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : TURIN-GENOA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data presunta
1	Walled bridge 5 arcades m.12 span km.37+733 (torrent Stenavasso)	3arcades 1pillar and 1shoulder collapsed	Timporary restored by sets of poles and Differdingen beams	CASTAUDI & SERRA	20/6	10%	
2	Walled bridge 4 arcades-3 m.8span and2 m.3span. km. 46+150 torrent Traversa	1arcade collapsed and the others partially destroyed	"	DE BERNARDI	20/6	16%	
3	m.5 acqueduct km. 23+007	Half arcade collapsed and retaining walls damaged	Temporary restored	"	20/6	17%	
4	Walled bridge 5 arcades m.9 span km.54+797 River Borbore	Vault and corresponding lateral pillars damaged.	"	"			
5	Overbridge km. 21+656	Arcade partially destroyed	"	"	2/7	2%	

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RI - T O R I N O

: TURIN-GENOA

Rapporto settimanale al 6 August 1945

nc ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 2 span torrent	3arcades 1pillar and 1shoulder collapsed	Timporarg restored by sets of poles and Differdingen beams	CASTAUDI & SERRA	20/6	10%	18/10/45	11.610.000	Material supply and damag walls demolition proceeding
ge 4 .8span n. km. ent	1arcade collapsed and the others partially destroyed	"	DE BERNARDI	20/6	16%	19/9/45	1.700.000	POL and cement needed
ct km.	Half arcade collapsed and retaining walls damaged	-Temporary restored	"	20/6	17%	12/9/45	800.000	Damaged masonries demolishing proceeds
ge 5 span iver	Vault and corresponding lateral pillars damaged.	"	"				1.300.000	Works not yet co enced
km.	Arcade partially destroyed	"	"	2/7	2%	12/9/45	300.000	Waiting for construction of joining section by I.E.S.

12556

30-July 1945

I.S.R.

To: Capt.CONWAY

WORKS SECTION

SUBJECT: Weekly report on
restoration works.

During the last week, the restoration works have been proceeding, as it appears on the attached report.

And besides:

1) Railway service restored on the bridge over river Sesia (road and rail)-km.76+225-Casale-Mortara line between Terranova and Terrasa stations.

2) Service restored on Rio Maggiorino bridge-km.26+897 Asti-Casale line, between Asti and Portacomaro stations.

3) Even track restored from km.28+390 to km.28+230 between Villanova d'Asti and Pessione stations, and even track last switch in Baldichieri station-km.45+071-Turin-Genoa line.

4) Odd track restored from km.25+359 to km.28+945 between S.Ambrogio and Condove stations-Turin-Modane line.

5) Odd track restored between km.7+914 and km.14+520 between Villastellone and Carmagnola stations-Trofarello-Cuneo line.

THE CHIEF OF THE WORKS SECTION

Declassified E.O. 12356 Section 3.3/NND No. 785021

SUBJECT: Weekly report on
restoration works.

During the last week, the restoration works have been proceeding, as it appears on the attached report.

And besides:

1) Railway service restored on the bridge over river Sesia (road and rail)-km.76+225-Casale-Mortara line between Terranova and Terrasa stations.

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5) Odd track restored between km.7+914 and km.14+520 between Villastellone and Carmagnola stations-Trofarello-Cuneo line.

THE CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Linea : ASTI = CHIVASSO

Rapporto settimana

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres.
1)	Walled bridge 13 arcades 10 m. & 20 m. span on river Po Km.46+838	10th Arcade collapsed less damaged the first	Vaults are being rebuilt	PIGLIONE EDOARDO	2/7/45	10 %	31/

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JUL 31st

Declassified E.O. 12356 Section 3.3/NND No. 785021

R I N O

= CHIVASSO

Rapporto settimanale al 30 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
0th Arcade llapsed less maged the first	Vaults are being rebuilt	PIGLIONE EDOARDO	2/7/45	10 %	31/8/45	2.000.000	Construction of cambering proceedings Removal of debris Awaitng for cement

JULY 31 '45

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CHIVASSO = AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr
1)	Iron berm 54 m. Km.32+888	Beam broken at 8 m. from the support side Ivrea	Greater part lifted now leaning on shoulders side Aosta. Working for the reconstruction of the beam .	COGNE	2/7/45	70 %	

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T O R I N O

Rapporto settimanale al 23 July 1945

HIVASSO = AOSTA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Beam broken at 8 m. from the support side Ivrea	Greater part lifted now leaning on shoulders side Aosta. Working for the reconstruction of the beam .	COGNE	2/7/45	70 %	15/8/45	4.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto setti-

Linea : ASTI= CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito
1)	Iron beam on Rio Maggiorino 9090 m. Km.26+897	Uprooted and damaged on Casale side	Iron beams set on iron upholders	BRIDGES STAFF	2/7	100%

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Declassified E.O. 12356 Section 3.3/NND No. 785021

O R I N O

Rapporto settimanale al 23 July 1945

= CASALE

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Uprooted and damaged on Casale side	Iron beams set on iron upholders	BRIDGES STAFF	2/7	100%	30/7	35.000	

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SEZIONE LAVORI - T O R I N O

Rapporto s

Linea : CASALE = MORTARA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguita
1)	Bridge 16 arcades 17 m. span on river Sesia Km.76+255	8th arcade collapsed	Reconstruction effected	COMONI Mario	18/6	100
2)	Walled bridge 2 arcades 17 m. span on river Agogna Km.88+714	Collapsed,	A set of two Differdingen beams will be put	Bridge Staff	18/6	80

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T O R I N O

ASALE = MORTARA

Rapporto settimanale al 23 July 1945 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
es	8th arcade collapsed	Reconstruction effected	COMONI Mario	18/6	100 %	21/7/45		Completed
an	Collapsed,	A set of two Differdingen beams will be put	Bridge Staff	18/6	80 %	4/8/45		Bridge Staff will provide to finish the works as soon as the line Asti Casale will be open

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : TORINO = GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
1)	Walled bridge on river Stenavasso 5 arcades 12 m. span Km. 37+733	3 Arcades 1 pillar 1 shoulder collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6	9 %	18/
2)	Walled bridge 4 arcades 8 m. 3 m. span on river Traversa Km.46+150	1 arcade collapsed and the partially damaged	"	DE BERNARDI FELICE	20/6	15 %	1
3)	Viaduct 5 ml. Km.23+007	Half arcade damaged	Temporary restored	DE BERNARDI Felice	20/6	16 %	
4)	Walled Bridge 5 arcades Km.54+797 on river Borbore Km.54+797	Vault and corresponding pillars damaged	Temporary restored	"			
5)	Over bridge km.21+656	Arcade partially destroyed?	"	"	2/7	2%	

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RI - T O R I N O

Rapporto settimanale al 23 July 1945

: TORINO = GENOVA

ne era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge on vasso 12 m. +733	3 Arcades 1 pillar 1 shoulder collapsed	Temporary restored with Differdingen beams	CASTAUDI & SERRA	20/6	9 %	18/10	1.610.000	Supply of materials and demolition of old walls proceeding
ge 4 . 3 m. er Trav	1 arcade collapsed and the partially ersa damaged	"	DE BERNARDI FELICE	20/6	15 %	19/9	1.700.000	Need of benzine and cement
l. 7	Half arcade damaged	Temporary restored	DE BERNARDI Felice	20/6	16 %	12/9	800.000	Demolition of old walls proceedi
ge 5 4+797 rvole	Vault and corresponding pillars damaged	Temporary restored	"				1.300.000	Not yet taken up.
km.21+	Arcade partially destroyed?	"	"	2/7	2%	12/9	300.000	

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SEZIONE LAVORI - T O R I N O

Linea : SANTHIA = ARONA

Rapporto settiman

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Dat pri pre
1)	Iron bridge 5 arcades 19,65 m 25,20 m span Km.6+398 on river Elvo	Fiæst arcade side Santhià collapsde and second arcade out	Working for a difinitive reconstruction	Savigliano	1/8	—	

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T O R I N O

ANTHIA = ARONA

Rapporto settimanale al 23 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Fisst arcade side Santhià collapsde and second arcade out	Working for a difinitive reconstruction	Savigliano	1/8	___	30/9	1 .500.000	Works given in the workshops

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA = CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p
		ALL WORKS ON THIS HAVE BEEN SUSPENDED ONLY REMOVAL OF DEBRIS					

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- T O R I N O

SAVONA = CARMAGNOLA

Rapporto settimanale al 23 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
	ALL WORKS ON THIS HAVE BEEN SUSPENDED ONLY REMOVAL OF DEBRIS							

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea NOVARA = DOMODOSSOLA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pris pres
1)	Underway 3 arcades 4,90 m.span Km.64+481 on river Lanca di Ornavasso	First pillar and second arcade side Novara collapsed. Second pillar and shoulders side Domodossola seroius= ly damaged.	Working for a definitive reconstruction	CRISTINA	2/7	10 %	30/
2)	Iron bridge 7 beams extreme 56.25 and central ones 68m. span Km.66+217 on river Toce	Pillar and beam collapsed 6 7 beam collapsed in the river bed	working for a definitive recontruction	Savigliano	1/8	—	30

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T O R I N O

ARA = DOMODOSSOLA

Rapporto settimanale al 23 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
des ver ass	First pillar and second arcade side Novara collapsed. Second pillar and shoulders side Domodossola seroius= ly damaged.	Working for a definitive reconstruction	CRISTINA	2/7	10 %	30/10	1.000.000	Removed debris made basis for foundati s Awaiting cem t to begin the walls
eams nd 6 -21	Pillar and beam collapsed 7 beam collapsed 7 in the river bed	working for a definitive recontruction	Savigliano	1/8	—	30/10	7.000.000	Works orderd at the workshop

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SEZIONE LAVORI - T O R I N O

Linea : TROFARELLO = CUNEO

Rapporto set

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled bridge 11 arcades 15m. span on river Stura Km.73+302	9? 10, 11th arcade 2 pillars Cuneo side collapsed.	3 Sets of wooden poles, main beams of iron	VOLI of Cuneo	1/6	92 %

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II - T O R I N O

: TROFARELLO = CUNEO

Rapporto settimanale al 23 July 1945 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e 11 span ra	9ª 10, 11th arcade 2 pillars Cuneo side collapsed.	3 Sets of wooden poles, main beams of iron	VOLI of Cuneo	1/6	92 %	6/8	6.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : TORINO = MILANO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
1)	Bridge on River Ticino 11 arcades 24m. span, Km.114+133	Arcades and some pillars seriously damaged	Two of the damaged arcades have to be relined with camberings	GIROLA Umberto of Milano	Works have begun on the 24/7/45	5 %	No to b only arcad have reinf Traf not i ted b just sl

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O R I N O

NO = MILANO

Rapporto settimanale al 23 July 1945 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
cino Arcades and some pillars eriously damaged	Two of the damaged arcades have to be relined with camberings	GIROLA Umberto of Milano	Works have begun on the 24/7/45	5 %	No rep airs to be done only two arcades have to be reinforced Traffic not interrup ted but just slackened	2.500.000	Supply of timber for the con= struction of camberings

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : CUNEO GESSO = VENTIMILGIA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristi presun
1)	Tunnel Colle Tenda Km.33+230 AND 41+379	Collapsed for ml.600 at the mouth of the tunnel	Removal of debris	MARRO Giacomo of Limone & OLGIATI Carlo of Torino	23/6/45	10 %	????

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T O R I N O

EO GESSO = VENTIMILGIA

Rapporto settimanale al 23 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
la Collapsed for ml.600 at the mouth of the tunnel	Removal of debris	MARRO Giacomo of Limone & OLGIATI Carlo of Torino	23/6/45	10 %	????	5.000.000	Works have been undertaken by the Ufficio Genio Civile by order of the A.C.

I.S.R.
WORKS SECTION

July 23d. 1945

To: Capt. CONWAY
WORKS SECTION- Turin

SUBJECT: WEEKLY REPORT on
restoration works

During the last week, the restoration works have been continued as it appears in the attached report; and besides:

1°)- Railway service restored on bridge over river Dora Baltea-km. 12+386, between Borgo Revel and Crescentino - Chivasso-Casale line.

2°)- Even track restored from km.39+130 to km.39+230, between Saluggia and Livorno Ferraris stations-Turin-Milan line.

3°)- Complete double track restored between Castel d'Annone and Rochetta Tanaro stations- addition of connection switches between the two stations- Turin-Genoa line.

4°)- Track sections restored at intervals for interruption repairing on Afigliana-S.Ambrogio section-Turin-Modane line.

5°)- Double track restored between Trofarello and Villastellone stations and between Villastellone Carmagnola of Trofarello-Cuneo line, on ml.900.

THE CHIEF OF THE WORKS SECTION

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : SANTHIA = ARONA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
1)	Walled bridge 5 arcades extreme 19.65 m. central 25.20 m. span on river Elvo Km.6+398	First arcade on Santhià side collapsed, the second cut.	Working for a definitive reconstruction	Savigliano 1/8		—	30/9

JUL 2318

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T O R I N O

Rapporto settimanale al 23 July 1945

ANTHIA = ARONA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
	First arcade on Santhià side collapsed, the second cut.	Working for a definitive reconstruction	Savigliano	1/8	—	30/9	1.500.000	

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : CHIVASSO = AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron beam of 54m. Km. 32+888	Beam cut at 8 m. from the stay side Ivrea Totaly collapsed	The larger part has been raised and now leans on shoulders Aosta side and on two iron poles in the middle of the river. The smaller part will be rebuilt permanently.	Cogne	2/7	50 %

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O R I N O

Rapporto settimanale al 23 July 1945

VASSO = AOSTA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Beam cut at 8 m. from the stay side Ivrea Totaly collapsed "	The larger part has been raised and now leans on shoulders Aosta side and on two iron poles in the middle of the river. The smaller part will be rebuilt permanently.	Cogne	2/7	50 %	15/8/45	1.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : ASTI = CHIVASSO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Walled bridge 13 arcades, 10 m. 20 m. span on river Po Km.46+838	10th arcade collapsed; less damaged the first .	Vaults are being rebuilt	Piglione Edoardo	2/7	4 %	

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T O R I N O

Rapporto settimanale al 23 July 1945

STI = CHIVASSO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
13	10th arcade collapsed; less damaged the first .	Vaults are being rebuilt	Piglione Edoardo	2/7	4 %	31/8	2.000.000	Removal of debris cambering. supply proceeds

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : TORINO = GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Walled bridge 5 arcades 12 m.span Km.37+733 on river Stenavasso	3 arcades 1 pillar 1 shoulder collapsed	Temporary reconstruction with Differdingen trusses.	Gastaudi & Serra	20/6	8 %
2)	Walled bridge 5 arcades, 8 m. and 3 m. span on river Traversa Km.46+150	One arcade collapsed and the rest partially damaged	"	De Bernardi Felice	20/6	10 %
3)	Viaduct 5 m. Km.23+007	Half arcade collapsed, and stay wall damaged.	Temporary restoration effected.	De Bernardi Felice	20/6	15 %
4)	Walled bridge 5 arcades 9 m. span Km. 54+797 on river Borbore.	Vault and corresponding pillars damaged.	"	"		Noth

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- T O R I N O

Rapporto settimanale al 23 July 1945.

TORINO = GENOVA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
e 5 span river	3 arcades 1 pillar 1 shoulder collapsed	Temporary reconstruction with Differdingen trusses.	Gastaudi & Serra	20/6	8 %	18/10	1.610.000	Supply of materials demolition old walls.
5 and river 6+150	One arcade collapsed and the rest partially damaged	"	De Berhardi Delice	20/6	10 %	12 /9	1.700.000.	"
	Half arcade collapsed, and stay wall damaged.	Temporary restoration effected.	De Bernardi Felice	20/6	15 %	12/9	800.000	
5 span e.	Vault and corresponding pillars damaged.	"	"		Nothing done		1.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto settiman

Linea : CASALE = MORTARA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Dat pri pre
1)	Bridge 16 arcades 17 m. on river Sesia Km. 76+255	8th arcade collapsed	Performed repairations	Comàni Mario of Genova	18/6	100 %	21/ Comp
2)	Walled bridge 2 spans 17 m. each on river Agogna Km.88+714	Collapsed. Wood reconstruction made in sustitution of the pillar	of Differdingen trusses will be used.	Bridge Staff	18/6	80 %	3

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- T O R I N O

CASALE = MORTARA

Rapporto settimanale al 23 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ades r Sesia	8th arcade collapsed	Performed repairations	Comdni Mario of Genova	18/6	100 %	21/7/45 Complete		
+714	Collapsed. Wood reconstruction made in sustitution of the pillar	Two couples of Differdingen trusses will be used.	Bridge Staff	18/6	80 %	31/7		Bridge staff will provide after the reconstruction of the line Asti=Casale Loading test for the 25/7/45

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : ASTI = CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristi presum
1)	Iron beam 9.90 m. on Rio Maggiorino Km.26+897	Uprooted and damaged at the stay side Casale	Damaged part subsituted with cpncrete cement blocks. The track will be set on iron slippers.	Bridge Staff	2/7	90 %	31/7

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- TORINO

ASTI = CASALE

Rapporto settimanale al 23?July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
m. ino	Uprooted and damaged at the stay side Casale	Damaged part subsituted with cpncrete cement blocks. The traok will be set on iron slippers.	Bridge Staff	2/7	90 %	31/7	35.000	Bridge staff will provide at once ter the reconstructio of the Chivasso Casale line.

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SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : TROFARELLO = CUNEO

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D l p
1)	Walled bridge 11 arcades 15 m span Km. 73+302 on River Stura.	9TH 10th 11th arcade and two pillars on Cuneo side collapsed.	3 sets of poles ma in trusses of iron	Voli Cuneo	1/6	85 %	

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I - T O R I N O

Rapporto settimanale al 23 July 1945

: TROFARELLO = CUNEO

...e ...ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
...ge 11 ...a span ...on ...	9TH 10th 11th arcade and two pillars on Cuneo side collapsed.	3 sets of poles main trusses of iron	Voli Cuneo	1/6	85 %	31/7	6.000.000	

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SEZIONE LAVORI - T O R I N O

Linea : SAVONA = CARMAGNOLA

Rapporto

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	g
1)	Walled bridge 5 arcades 30m. span on river Acquabona Km. 8+127	3 arcades and 2 pillars side San Giuseppe.	Removal of debris	Cooperativa Savonese	25/5/45	5
2)	Walled bridge 5 arcades 18 m. span on Rio Isola Km. 9+408	Retaining cone completely collapsed and first pillar Savona side	"	Gaggero & Falco	25/5/45	
3)	Walled bridge 6 arcades, extreme ones 14 m. and central 18 m. span on river Letimbro Km. 10+561	4 central arcades and 4 pillars in the Letimbro.	"	Astengo	2/6/45	5
4)	Bridge 6 arcades 20 m. each on river Stura Km.88+901	4th arcade collapsed	"	Rosazza & Ronza of Torino	9/7	10

N.B. The works at number 1) 2) 3) for the reconstruction of the pillars ar
JEDA Firm, Impresa Edili DE MARTINI Alessio of Milan on 23 July 1945
of 28.550.000,00 .

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ORI - T O R I O

Rapporto settimanale al 23 July 1945

: SAVONA = CARMAGNOLA

one era	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non disponibili
dge 5 m. span cquabona	3 arcades and 2 pillars side San Giuseppe.	Removal of debris	Cooperativa Savonese	25/5/45	5 %	1.200.000		Leases for pillar reconstructions, since the local Firms were used to take engagements for the wall reconstructions. M.R.S. will provide with military trusses Roth Wagner Type after the reconstruction.
dge 5 m. span la	Retaining cone completely collapsed and first pillar Savona side	"	Gaggero & Falco	25/5/45	5 %	1.500.000		
dge 6 xtreme a. and m. span etimbro 51	4 central arcades and 4 pillars in the Letimbro.	"	Astengo	2/6/45	5 %	8.000.000		
arcades h on re.	4th arcade collapsed	"	Rosazza & Ronza of Torino	9/7	10 %	2/9/45	2.200.000	Supply of materials and demolition old walls.

ks at number 1) 2) 3) for the reconstruction of the pillars are given to the rm, Impresa Edili DE MARTINI Alessio of Milan on 23 July 1945 for the sum 50.000,00 .

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CUNEO GESSO = VENTIMIGLIA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p F
1)	Tunnel Colle di Tenda, between Km.33+230 and Km; 41+379	Collapsed at the mouth of the tunnel for about Ml. 600	Removal of debris	Marro Giacomo of Limone & Olgiati Carlo of Torino	23/6/45	10 %	

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AVORI - T O R I O

Rapporto settimanale al 23 July 1945

nea : CUNEO GESSO = VENTIMIGLIA

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazion: e material: non dispon
olle di etween 0 and 79	Collapsed at the mouth of the tunnel for about Ml. 600	Removal of debris	Marro Giacomo of Limone & Olgiati Carlo of Torino	23/6/45	10 %	30/9/45	5.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : NOVARA = DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Underway 3 arcades 4.90 m. span Km.64+481 on river Lanca di Ornavasso	First pillar and second arcade Novara side collapsed. Second Pillar and shoulders Domodossola side seriously damaged	Works for a permanent reconstruction	Cristina	2/7	8 %
2)	Iron bridge 7 arcades, extreme 56.25 and central 68 m. span.Km.66+217 on river Toce.	5th Pillar and arcades between 5th and 6th pillar collapsed. 6th and 7th arcade collapsed in the river bed.	Works for a permanent reconstruction.	Savigliano	1/8	Noth

8333

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORI - T O R I N O

Rapporto settimanale al 23 July 1945

a : NOVARA = DOMODOSSOLA

ione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
arcades an on river Ornavass o	First pillar and second arcade Novara side collapsed. Second Pillar and shoulders Domodossola side seriously damaged	Works for a permanent reconstruction	Cristina	2/7	8 %	It is not possible to establish the date of the end of the works until the cement has not arrived	1.000.000	Debris removed, basis are being prepared for the wall reconstruction Awaiting pement for the begining of the wall reconstruction.
ge 7 arca eme 56.25 al 68 m. 6+217 on e.	5th Pillar m and arcades between 5th and 6th pillar collapsed. 6th and 7th arcade collapsed in the river bed.	Works for a permanent reconstruction.	Savigliano	1/8	Nothing		7.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CHIVASSO = CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Walled bridge 7 arcades 18.20m. Km.12+386 on river Dora Baltea	First arcade collapsed	Wooden poles on concrete basis and Differdingen beams	De Carolis Riccardo	11/6	100 %	Co 20

2362

Declassified E.O. 12356 Section 3.3/NND No. 785021

I - T O R I N O

: CHIVASSO = CASALE

Rapporto settimanale al 23 July, 1945

a	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 7 m. river	First arcade collapsed	Wooden poles on concrete basis and Differdingen beams	De Caroli Riccardo	11/6	100 %	Complete 20/7	1.000.000	

ITALIAN STATES RAILWAY
WORKS SECTION
TORINO

Torino 16th. July 1945

Subject:

Weekly reports on
restoration works.

To Captt CONWAY
Allied Commission
T O R I N O

During the last week the restoration works have been proceeding. See attached reports.
Besides that:

1°) N°. 8 Differdingen trusse mm. 475x300 lenght m.12 each have been drawn from the torrent Dora

2°) All Differdingen trusses of m. 18 have been carried on the works ready to be settled for the restoration of the half definitive bridge on the Dora between Crescentino and Borgo Revel- Chivasso-Casale line.

3°) The striped plates for foot paths have been set on work on Malone Bridge near Brandizzo (Turin-Milan Line)

4°) The even track has been restored from Km. 38+930 to Km. 39+130 between Saluggia and Livorno Ferraris Stations.

5°) The even track has been restored from Km. 47+334/ 28+500 to Km. 28+400 between Villanova d'Asti and Pessione Stations.

6°) The even track restored from Km. 47+334 and Km. 47+234 between S. Damiano and Baldichieri Stations.

7°) The even track restored from Km. 65+500 to Km. 65+250 between Rocchetta Tanaro and Castel d'Annone Stations.

Chief of the Works Section.

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Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Linea : CASALE-MORTARA

Rapporto settimana

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
1)	Bridge on River Sesia, 16 spans of m.17.00 Km.76+256 between Terranova and Terrasa	8th. arcade collapsed	Reconstruction performed	State Agency	18/6	90%	31/
2)	Walled Bridge, 2spans m.17 each on River Agogna between Zeme and Castel d'Agogna Km. 88+714	Collapsed. Wood construction in substitution of the pier.	Two couples of Differdingen trusses will be set.	Bridge Staff	18/6	80 %	31/

2322.

Declassified E.O. 12356 Section 3.3/NND No. 785021

O R I N O

E-MORTARA

Rapporto settimanale al 16 th. JMay 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
8th. arcade collapsed	Reconstruction performed	State Agency	18/6	90%	31/7		
Collapsed. ood construction in bstitution of the pier.	Two couples of Differdingen trusses will be set.	Bridge Staff	18/6	80 %	31/7		The Bridge Staff will start working immediately after the restoration of the Asti-Casale.

June 16th 1945

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : NOVARA = DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Underway 3 arcades of m.4.90 each Km.64+481 on River Lanca di Ornavasso.	First pier and 1 second arcade Novara side collapsed. Second pier and Domodossola side shoulder seriously damaged.		Cristina	2/7	5 %	
2)	Iron Bridge 7 arcades extremeof m.56.25 and meddle m.68 span Km.66+217 on river TOCE.	5th. pier and beam between 5th an 6th pier collapsed. 6th 7th arcade sunk into the river bed.				10 %	

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O R I N O

VARA = DOMODOSSOLA

Rapporto settimanale al 16 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
First pier and second arcade Novara side collapsed. Second pier and Domodossola side shoulder seriously damaged.		Cristina	2/7	5 %	31/8	1.000.000	Supply for camberings wood proceed. Clearing off debris.
5th. pier and beam between 5th an 6th pier collapsed. 6th 7th arcade sunk into the river bed.				10 %	31/10	12.000.000	Dealings proceeding with several Firms especially qualified for the reconstruction of the new beams.

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : SAVONA - CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	I
1)	Walled Brdige 5 arcades of m.30 spans, on River Acquabona Km. 8+127	3 Arcades and 2 piers side San Giuseppe collapsed.	Clearing off debris	Cooperativa Savonese			
2)	Walled Bridge 5 Arcades of m.18 each Km.9+408 on River Rio Isola.	Retaining cone and first pier Savona side completely collapsed.	"	Gaggero & Falco			
3)	Walled Bridge 6 arcades extremes m.14 and middle m.18 spans.	4 Middle arcades and 4 piers on River Letimbro collapsed.	"	Astengo & Savio			
4)	Bridge 6 arcades 20m. span each on River Stura between Cherasco and Bra Km.88+961;	4th arcade collapsed	"	Rosazza & Ronza	9/7	5 %	

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R I N O

Rapporto settimanale al 16 July 1945

A = CARMAGNOLA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 Arcades and 2 ers side San useppe collapsed.	Clearing off debris	Cooperativa Savonese			10/10		Lease proceeding for pillar restiratic since the lock Firms refused to take engagements for the wall reconstructions.The military trusses Roth-Wagener type will be supplied with by Allied Command after the construction of the piers.
Retaining cone d first pier Savona de completely llapsed.	"	Caggero & Falco			10/IO		
4 Middle arcades 4 piers on River timbro collapsed.	"	Astengo & Savio			10/IO		
th arcade collapsed	"	Rosazza & Ronza	9/7	5 %		1.250.000	Supply of materials and demolition of old walls.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : TORINO - MODANE

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
1)	Walled Bridge of 3 arcades of m.15.53 spans on River Dora Riparia Km.44+910	3 Arcades completly collapsed.	Temporary restored with Differdingen trusses.	Guerrini	16/7	—	15/10
2)	Viaduct Bridge 5 arcades of m.12 spans on RiverGelasso Km.51+622;			Angiolini	2/7	6 %	30/9
3)	Viaduct Bridge of 4 arcades spans15 m. Km.65+309 on River Dora Riparia?	The shoulders good but rest collapsed.		Abbà	2/7	6 %	31/
4)	Iron Bridge m.30.83 on River Dora Riparia Km. 65+309	Cut in the middle		M.R.S.			
5)	Artificial Tunnel Pont Ventoux Km.70+373	Collapsed for about 12m.		Azienda Statale Strada			
6)	Iron Bridge m.46 Km.70+585 on River Dora Riparia.	Completly collapsed		M.R.S.			

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R I N O

O = MODANE

Rapporto settimanale al 16 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
rcades completly llapsed.	Temporary restored with Differdingen trusses.	Guerrini	16/7	—	15/10	5.000.000	
		Angiolini	2/7	6 %	30/9	32.000.000	Old walls demolition and supply of materials.
he shoulders good rest collapsed.		Abbà	2/7	6 %	31/10	17.750.000	Old walls demolition and supply of materials
Cut in the middle		M.R.S.				1.000.000	Allied Comm. will provide for the construction of the beams.
ollapsed for out 12m.		Azienda Statale Strada					
ompletly collapsed		M.R.S.				12.000.000	Allied Command will provide for the reconstruction of the beams.

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : TORINO - MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
7)	Underway m.3.77	Vault collapsed		Gillio	2/7	5 %	
8)	Walled Bridge 18.21 m. Km.82.328			Gillio	2/7	6 %	
9)	Walled Bridge central arcade of m.20 span and the extreme ones m.10. on river Melezet, Km.83+622			Angiolini		6 %	
10)	Frejus Tunnel	Vault collapsed for about 150m.		M.R.S.			

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R I N O

O - MCDANE

Rapporto settimanale al 16 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ult collapsed		Gillio	2/7	6 %	30/9	1.500.000	Removal of debris and supply of materials
		Gillio	2/7	6 %	30/9		
		Angiolini		6 %	30/9	8.000.000	
ult collapsed about 150m.		M.R.S.					Clearing of mines taken up by Allied Command

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SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : CHIVASSO = CASALE

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Walled Bridge of 7 Arcades , 18.20m spans. Km.12+386 on River Dora Baltea	First arcade collapsed	Wood#/constructions on concrete basis and Differdingen trusses.	De Carli Riccardo	11/6	90 %	
2)	Underway m.5 Strada Lamporo Km.12+987	Iron beam destryed	Restoration effected	Bridge Staff		100 %	

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- T O R I N O

CHIVASSO = CASALE

Rapporto settimanale al 16 JMMy 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
f Om ltea	First arcade collapsed	Wood//constructions on concrete basis and Differdingen trusses.	De Caroli Riccardo	11/6	90 %	14/7	1.800.000	
rada 987	Iron beam destriyed	Restoration effected	Bridge Staff		100 %	5/7		

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : GENOVA = OVADA = ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunt
1)	Iron Bridge, 3 arcades central m.58 span, and the extreme 47.10m. span. Km.101+710 on River Tanaro.	One beam damaged and one pier collapsed and corresponding shoulders damaged.	Track acceeding to the bridge restored	Paroldi Giuseppe	23/6		
				Ercole Secondo	9/7	5 %	31/10
				Società Ansaldo	16/7	5 %	31/10

N.B. Restoration of track acceding to the bridge performed by Paroldi. Firm Ansa... reconstruction of the collapsed beam and the repair of the two others. Erc... for the reconstruction of the collapsed pier and repair of the damaged shou...

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T O R I N O

GENOVA - CUNEO - ASTI

Rapporto settimanale al 16 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ades	One beam damaged and one pier collapsed and corresponding shoulders damaged.	Track acceeding to the bridge restored	Paroldi Giuseppe	23/6				
			Ercole Secondo	9/7	5 %	31/10	7.000.000	Supply of materials
			Società Ansaldo	16/7	5 %	31/10		

Restoration of track acceding to the bridge performed by Paroldi. Firm Ansaldo Company will work for the reconstruction of the collapsed beam and the repair of the two others. Ercole Seconfo Company will work for the reconstruction of the collapsed pier and repair of the damaged shoulders.

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : CHIVASSO = AOSTA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	I p
1)	Iron beam of m.54 at Km.32+838	Beam broken 8 m. from Ivrea side. ——— Totally collapsed	The longer part has been lifted and nows leans on Aosta side shoulder and two trellis iron poles in the middle of the river. The shorter part will be reconstructed for the definitive restoration.	Cogne	2/7	15 %	

8332

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

CHIVASSO = AOSTA

Rapporto settimanale al 16 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Beam broken 8 m. from Ivrea side. ——— Totally collapsed	The longer part has been lifted and nowe leans on Aosta side shoulder and two trellis iron poles in the middle of the river. The shorter part will be reconstructed for the definitive restoration.	Cogne	2/7	15 %	10/8	1.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : TROFARELLO - CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da pr pr
1)	Walled bridge of 3 arcades m.10 span Km. 34+963 on river Mellea	One arcade partially collapsed	Temporary restored with Differdingen trusses.	Savigliano Works			
2)	Walled bridge, 11 arcades of m15 span Km. 78+302 on river Stura.	9th 10th 11th arcade and 2 piers on Cuneo side collapsed.		Voli	1/6	70 %	

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

Rapporto settimanale al 16 July 1945

ROFARELLO = CUNEO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3	One arcade partially collapsed	Temporary restored with Differdingen trusses.	Savigliano Works					
	9th 10th 11th arcade and 2 piers on Cuneo side collapsed.		Voli	1/6	70 %	31/7	5.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rapporto settimanale al

SEZIONE LAVORI - T O R I N O

Linea : SANTHIA = ARONA

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
1)	Iron bridge 5 arcades extreme m.19.65 and three central ones m.25.20 span Km. 64398 on River Elvo.	First arcade collapsed side Santhià, and the sencond out.			16/7		10/9

3232.

Declassified E.O. 12356 Section 3.3/NND No. 785021

I N O

Rapporto settimanale al 16 July 1945

= ARONA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
irst arcade collap ide Santhià, the sencond			16/7		10/9	3.000.000	As the price asked by Savigliano seems to be excessive other Firms have been consulted.

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : ASTI = CHIVASSO

N° d'Ord.	Uoicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Da... pr... pr...
1)	Walled bridge 13 arcades ; one arcade of 10m. and others of 20m.Km. 46+838 on River Po.	10th Arcade collapsed less damaged the first.		Piglione Edoarde	2/7		

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Declassified E.O. 12356 Section 3.3/NND No. 785021

O R I N O

Rapporto settimanale al 16 July 1945

TI = CHIVASSO

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
10th Arcade collapsed less damaged the first.		Piglione Edoardo	2/7		31/8	2.000.000	Camberinga supply proceeding Clearing off debris.

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto sett

Linea : ASTI = CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron beam m.9.90 on Rio Maggiorino	Uprooted and' damaged on Casale side stay.	Substitution with concrete cement blocks . The track will be set on iron slippers.	Bridge staff	2/7	60 %

785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

RI - T O R I N O

Rapporto settimanale al 16 July 1945

: ASTI - CASALE

...ne ...ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
...90 ...rino	Uprooted and damaged on Casale side stay.	Substitution with concrete cement blocks . The track will be set on iron slippers.	Bridge staff	2/7	60 %	31/7		The bridge Staff will start working immediately after the restoration of the Chivasso-Casale

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : TORINO - GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prist presu
1)	Walled bridge 5 arcades m.12 span Km.37+733 ON RIVER Stenavasso	3 Arcades 1 pier 1 shoulder collapsed	Effected temporary restoration by means of wood constructions and Differdingen trusses.	Castaudi & Serra	20/6	7 %	30/
2)	Walled bridge 5 arcades 3 of m.8 span, and 2 of 3m. span Km.46+150 on river Trawersa.	One arcade collapsed , and the rest partially destroyed.	"	De Bernardi Felice	20/6	7 %	30/
3)	Viaduct m.5 Km.23+007	Half arcade collapsed and piers damaged.	Temporary restored	De Bernardi Felice	20/6	7 %	30/9
4)	Walled bridge 5 arcades m.9 span , on River Borbore Km. 29+797	Vault and lateral pillars in correspondence damaged.	"	"	20/6	7 %	30/9
5)	Underway m5 span Km. 70+095	"	"	"	20/6	7 %	30/

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

Rapporto settimanale al 16 July 1945

ORINO = GENOVA

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni o materiali non dispon.
roadez 733 ao	3 Arcades 1 pier 1 shoulder collapsed	Effected temporary restoration by means of wood constructions and Differdingen trusses.	Castaudi & Serra	20/6	7 %	30/9	9.000.000	Supply Materials and demolition of old walls.
arcades d 2 +150 .	One arcade collapsed , and the rest partially destroyed.	"	De Bernardi Felice	20/6	7 %	30/9	2.500.000	"
3+007	Half arcade collapsed and piers damaged.	Temporary restored	De Bernardi Felice	20/6	7 %	30/9		"
arca n	Vault and lateral pillars in correspondence damaged.	"	"	20/6	7 %	30/9		"
n	"	"	"	20/6	7 %	30/9		"

ITALIAN STATE RAILWAYS
WORKS SECTION

Turin 9th.July 1945

To: Capt. CONWAY
Works Section - TURIN

Subject:
Weekly report on restoration works.

The works on damaged bridges effected during the last week appear in the annexed report.

TURIN-MILAN LINE

Restoration of the even track from Km. 44+330 to Km. 44+530 between S. Antonino and Livorno Ferraris stations. ml.200
Restoration of the odd track from Km. 35+000 to Km. 34+700, between Torrazza and Saluggia Stations. ml.300

TURIN-BIVIO BORMIDA LINE

Restoration of the even track from Km. 28+500 to Km. 28+800, between Pessione and Villanova d'Asti Stations ml.300
Restoration of the even track from Km. 65+500 and Km. 66+000, between Castello d'Annone and Rocchetta Tanaro Stations. ml.500

ALESSANDRIA-ARONA LINE

Restoration of the odd track from Km. 67+888 to Km. 68+128 between Novara and Vignale Stations . ml.240

TOTAL ml.1540

The Chief of the Works Section

Declassified E.O. 12356 Section 3.3/NND No. 785021

Subject:

Weekly report on restoration works.

The works on damaged bridges effected during the last week appear in the annexed report.

TURIN=MILAN LINE

Restoration of the even track from Km. 44+330 to Km. 44+530 between S. Antonino and Livorno Ferraris stations. ml.200
Restoration of the odd track from Km. 35+000 to Km. 34+700, between Torrazza and Saluggia Stations. ml.300

TURIN=BIVIO BORMIDA LINE

Restoration of the even track from Km. 28+500 to Km. 28+800, between Pessione and Villanova d'Asti Stations ml.300
Restoration of ~~the~~ even track from Km. 65+500 and Km. 66+000, between Castello d'Annone and Rocchetta Tanaro Stations. ml.500

ALESSANDRIA=ARONA LINE

Restoration of the odd track from Km. 67+888 to Km. 68+128 between Novara and Vignale Stations . ml.240

TOTAL ml.1540

The Chief of the Works Section

- 2352

Declassified E.O. 12356 Section 3.3/NND No. 785021

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : CHIVASSO = CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunt
1)	Walled bridge 7 arcades 18.20m. span Km.12+386 on river Dora Baltea	First arcade collapsed	Wood constructions on concrete basis and Differdingen trusses	De Caroli	11/6	80 %	14/7
2)	Underway 5m. Km.12+987 Lampero Street	Iron beam destroyed	Reconstruction effected			100%	5/7

JUL 9 '57

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

Rapporto settimanale al 9 July 1945

CHIVASSO = CASALE

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
	First arcade collapsed	Wood constructions on concrete basis and Differdingen trusses	De Caroli	11/6	80 %	14/7	1.800.000	
	Iron beam destroyed	Reconstruction effected			100%	5/7	250.000	[illegible]

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto s

Linea : 52 TROFARELLO = CUNEO

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% esegui
1)	Walled bridge 9 arcades of m.10 span Km.34+963 on river Mellea	One arcade partially collapsed	Temporary restored with Differdingen trusses	Savigliano		
2)	Walled bridge 11 arcades of 15m. span Km.73+302 on river Stura	9th 10th 11th arcade and 2 pillars side Cuneo collapsed.		Voli	1/6	60

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RI - T O R I N O

: 52 TROFARELLO = CUNEO

Rapporto settimanale al 9 July 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
3 arca- an river	One arcade partially collapsed	Temporary restored with Differdingen trusses	Savigliano					
11 5m. 2 on	9th 10th 11th arcade and 2 pillars side Cuneo collapsed.		Voli	1/6	60 %	31/7	5.000.000	

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Linea : CHIVASSO - AOSTA

Rapporto settim

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D p u
1)	Iron beam m.54 Km.32+838	Beam broken at 8m. on Ivrea side ——— Totally collapsed	The longer part has been lifted and now leans on Aosta side shoulder and two trellis iron poles on the middle of the river. Theshorter part will be reconstructed for the definitive restoration.	Cogne	2/7	10%	

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O R I N O

TASSO = AOSTA

Rapporto settimanale al 9 July 1945

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
Beam broken at 8m. on Ivrea side ——— Totally collapsed	The longer part has been lifted and now leans on Aosta side shoulder and two trellis iron poles on the middle of the river. Theshorter part will be reconstructed for the definitive restoration.	Cogne	2/7	10%	10/8	1.000.000	

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SEZIONE LAVORI - T O R I N O

Rapporto setti

Linea : 129 GENOVA * OVADA = ASTI

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron bridge 3 arcades central 58m. extreme ones 47.10m. Span Km.101+710 on River Tanaro	Beam damaged , one pillar collapsed and corresponding shoulders damaged	Track acceding to the bridge restored	Parolda Giuseppe — Ercole Secondo	23/7 9/7	

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T O R I N O

Rapporto settimanale al 9 July 1945

9 GENOVA ✱ OVADA = ASTI

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
des me	Beam damaged, one pillar collapsed and corresponding shoulders damaged	Track acceding to the bridge restored	Paroldi Giuseppe	23/7			7.000.000	
			Ercole Secondo	9/7		31/10		Supply of materials

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : 50 GENOVA== TORINO = GENOVA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
1)	Walled bridge 5 arcades 12M. span Km.37+733 on Stenavasso	Three arcades one pier and one shoulder collapsed.	Temporary restored with Diferdingen trusses	Castaudi & Serra	20/6	5 %	30/9
2)	Walled bridge 5 arcade 3 of 8m. and 2 of 3m. span Km.46+150 on river Traversa	One arcade collapsed rest partially collapsed	"	De Bernardi Felice	20/6	5 %	30/9
3)	Viaduct m5 Km.23+007	Half arcade collapsed and piers damaged	Temporary restored	De Bernardi Felice	20/6	5 %	
4)	Walled bridge 5 arcades 9m. span Km.29+797 on river Borbore	Vault and side pillars damaged?.	Temporary restored	"	20/6	5 %	30/9
5)	Underway 5m. span Km.70+095	"	"	"	20/6	5 %	30/9

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R I N O

Rapporto settimanale al 9 July 1945

GVA== TORINO - GENOVA

Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ree arcades one pier one shoulder llapsed.	Temporary restored with Diferdingen trusses	Castaudi & Serra	20/6	5 %	30/9	9.000.000	Removal of debris
One arcade collapsed st partially llapsed	"	De Bernardi Felice	20/6	5 %	30/9	2.500000	Supply of materials
Half arcade collapsed and piers damaged	Temporary restored	De Bernardi Felice	20/6	5 %			
s Vault and ide pillars maged?.	Temporary restored	"	20/6	5 %	30/9		Supply of materials/
"	"	"	20/6	5 %	30/9		

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SEZIONE LAVORI - T O R I N O

Rapporto settimana

Linea : 110 SAVONA - CARMAGNOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
1)	Walled bridge 5 arcades m.30 span on river Acquabona Km.8+127	3 Arcades and 2 piers side San Giuseppe collapsed	Removal of debris	Cooperativa Savonese			10
2)	Walled bridge 5 arcades m.18 span Km.9+408 on Rio Isola.	Retaining cone and first pier Savona side completely collapsed.	"	Gaggero & Falco			10
3)	Walled bridge 6 arcades extreme of m.14 central of m.18 span	4 Central arcades and 4 piers collapsed in the Letimbro.	"	Astengo & Savio			1
4)	Bridge 6 arcades 20 m. each on river Stura Km.88+961 between Cherasco and Bra	4th arcade collapsed	"	Rosazza & Lonza	9/7	—	—

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II - T O R I N O

: 110 SAVONA = CARMAGNOLA

Rapporto settimanale al 9 July 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
5 arcades river +127	3 Arcades and 2 piers side San Giuseppe collapsed	Removal of debris	Cooperativa Savonese			10		Lease proceeding for pillar restoration; since the local Firms refused to take engagements for the wall reconstructions. The military trusses Roth Wagner type will be supplied with by Allied Commission afeer the construction of the piers.
5 arcades +408	Retaining cone and first pier Savona side completely collapsed.	"	Caggero & Falco			10		
6 arcades 1 5 span	4 Central arcades and 4 piers collapsed in the Letimbro.	"	Astengo & Savio			10		
des river 51 go	4th arcade collapsed	"	Rosazza & Lonza	9/7	—	—	1.250.000	Supply of materials.

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : SANTHIA = ARONA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prevista
1)	Iron bridge 5 arcades side ones of 19.65 m. and 3 central ones 25.20 m. span Km. 6+ 398 on River Elvo.	First arcade collapsed side Santhià and second cut.		Savigliano	16/7		

E.G.C.

Declassified E.O. 12356 Section 3.3/NND No. 785021

LAVORI - T O R I N O

Rapporto settimanale al 9 July 1945

inea : SANTHIA = ARONA

ezione 'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	Data ri- pristino presunto	Importo presunto	Annotazioni e materiali non dispon.
ge 5 arcades of 19.65 m. tral ones span 8 on o.	First arcade collapsed side Santhià and second cut.		Saviglianc	16/7		20/9	3.000.000	Supply of materials

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settima

Linea : ASTI = CHIVASSO

Nº d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'o= pera provvisoria	Ditta esecu- trice	Data inizio lavori	% ese- guito	De pr pr
1)	Walled bridge 13 arcades, One of 10 m. span rest of 20 m. span on river Po. KM.46+838	10th arcade collapsed first loss ~~~~~/ damaged		Piglione Edoardo	2/7	5 %	

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- T O R I N O

Rapporto settimanale al 9 July 1945

ASTI - CHIVASSO

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni o materiali non dispon.
3 of iver	10th arcade collapsed first loss ~~~~~/ damaged		Piglione Edoardo	2/7	5 %	31/8	2.000.000	Removal of debris Camberings supplyprodee ng

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Linea : ASTI = CASALE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito
1)	Iron beam 9.90 m; on Rio Maggiorano	Uprooted and damaged on Casale Side.	Substitution with concrete cement blocks. The tracks will be set on iron slippers.	Bridge Staff	2/7	60 %

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Declassified E.O. 12356 Section 3.3/NND No. 785021

VORI - T O R I N O

Rapporto settimanale al 9 July 1945

nea : ASTI = CASALE

zione opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
9.90 m; gistrino	Uprooted and damaged on Casale Side.	Substitution with concrete cement blocks. The tracks will be set on iron slippers.	Bridge Staff	2/7	60	31/7		Bridge-Staff will-start

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settim

Linea : CASALE - MORTARA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	D
1)	Bridge 16 arcades 17m span on river Sesia Km.76+256.	8th arcade collapsed	Restored			Comple	
2)	Walled bridge 2 arcades 17 m. each on river Agogna Km.88+714	Collapsed.Wood construction in substitution of the pier.	Two couples of Differdingen trusses will be set.	Bridge Staff		COMPL	

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I - T O R I N O

CASALE - MORTARA

Rapporto settimanale al 9 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
es ver 56.	8th arcade collapsed	Restored			Complete			
each	Collapsed. Wood construction in substitution of the pier.	Two couples of Differdingen trusses will be set.	Bridge Staff		COMPLETE			

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale

Linea : NOVARA - DOMODOSSOLA

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data prevista
1)	Underway 3 arcades 4.90m span on Lanca de Ornavasso Km.64+481	First Pier second arcade side Novara collapsed. Second pier and shouldering Domodossola seriously damaged.		Zappelloni	2/7		
2)	Iron bridge 7 arcades extreme 56.25m. and central 68m span on river Toce Km.66+217	5th Pillar and beams between 5th and 6th pillar collapsed. 6th and 7th [illegible] arcade collapsed in the river bed.		Savigliano			

Declassified E.O. 12356 Section 3.3/NND No. 785021

- T O R I N O

NOVARA - DOMODOSSOLA

Rapporto settimanale al 9 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
tes ca	First Pier second arcade side Novara collapsed. Second pier and shouldering Domodossola seriously damaged.		Zappelloni	2/7		31/8	1.000.000	Timber supply for camberi[illegible] proseeding Removal of debris
cades and	5th Pillar and beams between 5th and 6th pillar collapsed. 6th and 7th ~~5/6/5/6~~/ arcade collapsed in the river bed.		Savigliano			31/10	12.000.000	as above

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SEZIONE LAVORI - T O R I N O

Rapporto settimanal

Linea : TORINO - MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data pres
1)	Walled bridge , 3 arcades of m.15.53 Km. 44+910 on river Dora Riparia.	2 arcades completely collapsed	Temporary restored with Differdingen trusses.		———	———	Comp
2)	Viaduct walled bridge 5 arcades m.12 span Km. 51+622 on Rio Gelasso.			Angiolini	2/7	5 %	30
3)	Viaduct walled bridge 4 arcades m.15 span Km.62.850 on Aquila.	Shoulders good rest collapsed?		Abba	2/7	5 %	31
4)	Iron bridge m.30.83 span Km. 65.309 on Dora Riparia.	Cut in half		M.R.S.			
5)	Artificial tunnel at Pont Ventoux Km.70+373	Collapsed for about m.12		Azienda Statale Strada			
6)	Iron bridge m.48 span Km.70.585 on Dora Riparia.	Completly collapsed		M.R.S.			
7)	Underway m.5.77	Vault collapsed		Gillio	2/7		3
8)	Walled bridge m.18.21 Km.82+328			Gillio	2/7		30

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O R I N O

TORINO = MODANE

Rapporto settimanale al 9 July 1945 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
r	2 arcades completely collapsed	Temporary restored with Differdingen trusses.		———	———	Complete		
dge								
			Angiolini	2/7	5 %	30/9	12.000.000	
idge	Shoulders good rest collapsed2		Abba	2/7	5 %	31/10	17.750.000	Clearing off debris and supply of materials.
3	Cut in half		M.R2S.				3.000.000	Allied Command will provide for the substitution of the beams.
	Collapsed for about m.12		Azienda Statale Strada					
	Completly collapsed		M.R.S.				12.000.000	Allied Commission will provide for the substitution of the beamms.
	Vault collapsed		Gillio	2/7		30/9	1.500.000	Clearing off debris and supply of materials
21			Gillio	2/7		30/9		

Declassified E.O. 12356 Section 3.3/NND No. 785021

SEZIONE LAVORI - T O R I N O

Rapporto settimanale a

Linea : TORINO = MODANE

N° d'Ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto
9)	Walled bridge central of m.20 span , extreme ones of m.10 KM.83+622 on River Meliset			Angiolini			30/9
10)	Frejus Tunnel	Vault collapsed for about 150m.		M.R.S.			

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Declassified E.O. 12356 Section 3.3/NND No. 785021

- T O R I N O

TORINO - MODANE

Rapporto settimanale al 9 July 1945

	Descrizione sommaria del dissesto	Descrizione sommaria dell'opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguito	Data ripristino presunto	Importo presunto	Annotazioni e materiali non dispon.
atral trene 3+622			Angiolini			30/9	8.000.000	
	Vault collapsed for about 150m.		M.R.S.					Clearing off mines taken up by M.R.S.

MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO
COMPARTIMENTO DI TORINO
SEZIONE LAVORI

Turin, 1st Jul- 1945

N° 10[illegible]2 /CS

- MAJOR G R E E N W O O D
by CAPO COMPARTIMENTO
CAPTAIN C O N W A Y
by SEZIONE LAVORI
e p.c. CAPO COMPARTIMENTO

/ S E D E /

SUBJECT : " Weekly report of restoration works.

14 -

In the last week have been assigned new works, as in the attached prospectus, and have been restrained those of Savona-Carmagnola line according to the letter, 26th June dated, of Captain CONWAY.

In the same week have been assigned the restoration works of the locomotives-workshop- hovel and of the T.E. -shed of Turin Sm.

Have been, besides, accomplished the following restorations :

1)- TURIN - MILAN line :

Opposite track from Km. 35.200 to Km. 35+000 between Torrenze and Saluggia stations.

Forward track from 43+930 to Km. 44+330 between S.Antonino and Livorno Ferraris stations.

2)- TURIN - ALESSANDRIA line :

Forward track from Km.28+800 to Km. 29+250 between Villanova and Pessione stations.

Forward track from Km. 66.000 to Km. 66+600 between Castel d'Anno ne and Rocchetta stations.

IL CAPO DELLA SEZIONE LAVORI

Declassified E.O. 12356 Section 3.3/NND No. 785021

In the last week have been assigned new works, as in the attached prospectus, and have been restrained those of Savona-Carmagnola line according to the letter, 26th June dated, of Captain CONWAY.

In the same week have been assigned the restoration works of the locomotives-workshop- hovel and of the T.E. -shed of Turin Sm.

Have been, besides, accomplished the following restorations :

1)- TURIN - MILAN line :
Opposite track from Km. 35.200 to Km. 35+000 between Torranza and Saluggia stations.

Forward track from 43+930 to Km. 44+330 between S.Antonino and Livorno Ferraris stations.

2)- TURIN - ALESSANDRIA line :
Forward track from Km.28+800 to Km. 29+250 between Villanova and Pessione stations.
Forward track from Km. 66.000 to Km. 66+600 between Castel d'Annone and Rocchetta stations.

IL CAPO DELLA SEZIONE LAVORI

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Declassified E.O. 12356 Section 3.3/NND No. 785021

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"Report" and "SPECIAL WORK" Section TURIN

Weekly Report

Line TURIN - MODANE

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd te of plet
1)	Walled oblique bridge (3 arches of 15,[illegible] m) Km.14+910 Dora Riparia stream	Arches completely fallen in	Temporary restoration performed with iron beams and fillerdings"				
2)	Walled viaduct (5 arches 12 m.sized) Km.51+622 Gelasso brook			Angiolini Agency	2/7		30/9
3)	Walled bridge viaduct (4 arches 15 m.sized) Km.634+550 Aquila stream	Good shouldering pieces, but other parts fallen in		Abbe' agency	2/7		31/10
4)	Iron bridge 30,73 m.sized Km.55+309 Dora Riparia stream	Half out off.					
5)	Artificial tunnel of Pont Ventoux Km. 70+173	Fallen in for abt 12 m. of its length		Ponte's roads agency			
6)	Iron bridge 48 m. sized Km.70+309 (Dora Riparia stream).	Completely fallen in					

C33
C3
C5

Declassified E.O. 12356 Section 3.3/NND No. 785021

SPECIAL WORK " Section TURIN

Weekly Report at 2 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
[illegible]	Arch completely fallen in	Temporary restoration performed with iron beams Differdingen	Angiolini Agency	2/7		30/9	18.000.000	
[illegible]	Good shouldering pieces, but other parts fallen in		Abbe' Agency	2/7		31/10	17.750.000	Removal of debris and materials provision
[illegible]	Half cut off.						3.000.000	Allied H.Q. will provide for beams substitution
[illegible]	Fallen in for about 12 m. of the length		Prato's Forces Agency					
[illegible]	Completely fallen in						12.000.000	Allied H.Q. will provide for beams substitution

1st Jul

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"[illegible]" and "SPECIAL WORK" Section TURIN — Weekly Re

Line..... TURIN - MODANE .....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
7)	Bridge under the way of 5,77 m. Km. 82+310	Vault fallen in		Gillio agency	2/7	
8)	Walde bridge of 18,21 m. Km. 82+328			"	2/7	
9)	Walled bridge (central arch 20 m.sized, lateral ones 10 m.sized) Km. 83+622 (Meliaet)	Completely fallen in		Angiolini agency	2/7	
10)	Frejus tunnel Km. 85+406	The vault of the artificial tunnel fallen in for abt 150 m.				
11)	Walled oblique bridge (4 arches 10 m.sized) Km.33+387 (Dora Riparia stream).	Central arch fallen in	Temporary restoration performed with Differdingen iron beams.			

3.3

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2)

CIAL WORK - Section TURIN — Weekly Report at 2 July 1945

ODANE .....

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
Vault fallen in		Gillio agency	2/7		30/9	1.500.000	Removal of debris and materials provision
		"	2/7		30/9		
Completely fallen in		Angiolini agency	2/7		30/9	8.000.000	
The vault of the artificial tunnel fallen in for abt 150 m.							Land reclamation from mines and restoration of fallen tunnel as pertaining to Allied Command
ridge: Central arch fallen in	Temporary restoration performed with Differdingen iron beams.						

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" [illegible] " and " SPECIAL WORK " Section TURIN

Weekly R

Line.....

	Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
(+)	1)	Walled bridge (3 arches 30 m.aized) Km.8+127 (Sequbeno stream)	3 arches and 2 piers (towards S.Giuseppe) fallen in	Removal of de- bris in centre	Ufficio Speciale Genio Civile		
	2)	Walled bridge (3 arches 10 m.aized) Km.5+400 (Isola creek)	Little retaining wall and first pier (towards Chivasso) completely fallen in	"	"		
	3)	Walled bridge (6 arches: the extreme ones m.14 and the inward ones m.19 aized) Km. 10+561	4 inward arches and 4 piers on Lanzino stream fallen in	"	Ing. Antonio Davio		
	4)	Iron bridge (2 bays of 41,35 Km.74+359 (River Tanaro)			Iron bridges Gen. Corps		

(+) [illegible]

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" SOCIAL WORK " Section TURIN

Weekly Report at 2 July 1945

A - CATANZARO

r.	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of Completion	Amount	Remarks (*)
e (5 ar... ged) ...umbers	3 arches and 2 piers (towards S.Giuseppe) fallen in	Removal of de... bris in course	Cooperative ...		-			Low declines in the wiers' construction. Local authorities have decided ... ry encroachment for widening the carriageways. The allied H.Q will provide for ... ture (type Bailey bridge) ... after piers' building.
o (5 ...ged) ...ola	little retaining wall and first pier (towards Savona) completely fallen in	"	Cooperative ... Pulce					
n (6 ar... ...ress ...d the ...0 m.l.	4 inward arches and 3 piers on Letimbro stream fallen in	"	Soc. Cooperativa ... Carlo					
(3 bo... .74.399 ...)			...ops brid... ...ers' group					

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" [illegible] " and " [illegible] " Section TURIN — Weekly Re

Line NOVARA - DOMODOSSOLA

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	
1)	Oblique bridge under the way 4,95 m. aimed Km. 29 + 857	Vault fallen in	Temporary restoration performed				
2)	Viadoct (3 vaults 10 m. aimed) Km. 44+992 Pondola ravine	A timber damaged	"				
3)	Walled bridge (two arches 5,50 m. aimed)	Central arch fallen in	"				
4)	Iron bridge of 15 m. and bridge under the way of 2,50 m. Km. 56+530 Gabbio stream	Beam fallen in					
5)	Bridge under the way (3 arches 4,90 m. aimed) Km. 64.491 on Lanca di Crmavasso	1st pier fallen in with 2nd arch (towards Novara) 2nd pier and shouldering place (towards Domodossola) seriously damaged	-	Zepellini	2/7		31
6)	Iron bridge (7 beams the extreme ones 56,25 m. aimed, and the inward ones 68 m. aimed) Km. 66+217 River Toce	5th pier fallen in and the Beam between 5th and 6th pier broken; 6th and 7th beam fallen in the river bed		Girola			

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SPECIAL WORK " Section TURIN

CORCIC SCOLA

Weekly Report at 2 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of Completion	Amount	Remarks
er od	Vault fallen in	Temporary restauration performed					300.000	
	A timber damaged	"						
							2.000.000	
	Central arch fallen in	"						
							400.000	
	Beam fallen in							
							350.000	
	1st pier fallen in with 2nd arch (towards Rovira) and pier and shouldering piece (towards Monodoscola) seriously damaged							Wooden centerings' provision in course and removal of debris.
		—	Repelland	2/7		31/8	1.000.000	
	5th pier fallen in and the beam between 5th and 6th pier broken; 6th and 7th beam fallen in the river bed		Girola				12.000.000	Girola agency has called for excessive prices. There are in course dealings with other Agencies.

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Time..... NOVARA - DOMODOSSOLA .....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es te pl
7)	Bridge under the Way 5 m. sized	Walled vault fal len	Temporary resto ration performed				

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"ECKEL WORK" Section TURIN

Weekly Report at 2 July 1945

...ARA - DOMODOSSOLA.....

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
ne	walled vault fallen	Temporary restoration performed					400.000	We are waiting for a definitive answer of Savigliano workshops.

Declassified E.O. 12356 Section 3.3/NND No. 785021

" [illegible] " and " SPECIAL WORK " Section TURIN

Weekly Report

TURIN - GENOA
Line.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of completion
1)	Walled bridge (5 arches 12 m. sized) Km.37+733 Stronavas_ so stream	3 arches, 1 pier, and 1 shouldering piece fallen in	Temporary restoration performed with wooden piers and Differdinger beams.	Reg. re Cantagi Serra Agency	20/6	-	30/9
2)	Walled bridge (5 arches: 3 ones 8 m. sized and 2 ones 3 m. sized)	1 arch fallen in and the left ones partially destroyed	"	De Bernardi geom. Felice agency	20/6	Timber_ yard's instal-lation	30/9
3)	Walled bridge (15 arches 10,20 m. sized) Km.89+292 River Tanaro	6 arches, 5 piers fallen in; 2 arches seriously damaged	"				
4)	Walled bridge (7 arches 15 m. sized) Km.7+803 River Po	Completely fallen in	Traffic going on with a temporary wooden bridge				

Declassified E.O. 12356 Section 3.3/NND No. 785021

" SPECIAL ZONE " Section TURIN

R - GENOA

Weekly Report at 2 July 1945

a	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd te of Cop pletion	Amount	Remarks
re (5 ized pnavas	3 arches,1 pier,)and 1 shouldering piece fallen in	Temporary resto Reg. re ration performed Cantarad with wooden piers and and Differdinger Serra bewns.	20/6 Agency	-	30/9	9.000.000	Timber-yard is getting ready
ge (5 s 8 m. nnes	1 arch fallen in and the left one partially destroyed	"	De Bernardi geom. Police agency	20/6	Timber yard's instal-lation	30/9	2.500.000	
(15 m. ex Tu	6 arches, 5 piers fallen in; 2 arches seriously damaged	"						Qualified agencies asked for tender proposing.
(7 ex ed) r Po	Completely fallen in	Traffic going on with a temporary wooden bridge						Autorisation in order to propose a better foundations type has been required by the Upper Commissary

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TURIN - GENOA

Line.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est to pl
5)	Walled bridge (9 arches 15 m. sized) Km.93+528 River Bormida	9 arches fallen in ; pier damaged	Temporary restoration performed	Rodio l.s.c.			31.5
6)	Aqueduct of 5 m. Km. 23+007	Half arch fallen in and spring walls damaged	"	Bernardi Folico	20/6	Timber-yard's installation and materials provision	
7)	Walled bridge (5 arches 9 m.sized) Km.54+797 River Bormore	Vault and its two lateral piers damaged	"	"	20/6	"	
8)	Bridge under the way 5 m. sized Km. 70+095	Vault key-stones damaged	"	"			

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" MECIAL WORK " Section TURIN

URIN - GENOA

Weekly Report at 2 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd te of Completion	Amount	Remarks
(9 ized) er	9 arches fallen in ; pier damaged	Temporary restoration performed	Rodio I.a.c.			31.5.46	30.000.000	Rodio I.a.c. declines works' execution It will be allowed privately on a lease . works will be assigned after bail.
m.	Half arch fallen in and spring well is damaged	"	Bernardi Felice	20/6	Timber-yard's installation and materials provision			
(5 zed) r Bor	Vault and its two lateral piers damaged	"	"	20/6	"			
the Km.	Vault key-stones damaged	"	"					

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"ANAS" and "SPECIAL WORK" Section TURIN — Weekly Report

CHIVASSO - CASALE

Mine.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Estimate completion
1)	Walled bridge (7 arches 18,20 sized) in	First arch fallen	Wooden piers on De Carolis cement banks and Riccardo Differdinge beams		11/6	65	1
2)	Bridge under the way of 5 m. Km. 12 + 987 Impero street	Iron beam destroyed	Temporary restoration in course	Bridges' group			

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ECIAL WORK " Section TURIN

VASSO - CASALE

Weekly Report at 2 July 1945

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of Completion	Amount	Remarks
First arch fallen ed) in	Wooden piers on De Cavalli cement banks and Riccardo Differdinge beams		11/6	65	14/7	1.800.000	
Iron beam destroyed	Temporary restoration in course	Bridges' group				250.000	Owing to greater "bridges group's" engagements we shall provide with track bundles.

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" WORK " and " SPECIAL WORK " Section TURIN

Weekly R

Line..SANTHIA'..-..ARONA.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
1)	Iron bridge (5 arches: 19,65 m. sized the lateral ones; and 25,20 m. sized 3 central ones) Km.6+398 Elvo stream	First vault (=ϕ to wards Santhià) fallen in, and second one cut off.	-	Savigliano workshops		
2)	Iron and oblique bridge under the railway 4 m. sized Km.43+580 La Carrasa road	Beam damaged	Temporary restoration performed			
3)	Walled and oblique bridge under the railway 6 m. sized Km.47+872 S.Cristina road	Vault fallen in	"			

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SPECIAL WORK " Section TURIN

Weekly Report at 2 July 1945

...ARONA.....

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
...ar- ...ized ...; ...zed ...tre...	First vault (=ϕ to... wards Santhià) fallen in, and second one cut off.	-	Savigliano workshops				3.000.000	Materiels' provision in course
...e ...e ...ed ...rra...	Beam damaged	Temporary restoration performed					150.000	
...que ...e ...zed ...ati...	Vault fallen in	"					1.000.000	

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" WORK " and " SPECIAL WORK " Section TURIN — Weekly Repor

GENOVA - OVADA - ASTI

Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est te pl
1)	Oblique iron bridge 33,94 m.sized . Km.76+962 (Belbo stream)	Shouldering piece (=towards Nizza) and beam damaged					
2)	Iron bridge (3 oblique arches: 2 ones 22,01 m.sized and 3rd one 23,18 m.sized). Km.79+765 (Belbo stream)	A Beam and a shouldering piece damaged	Temporary restoration performed				
3)	Iron bridge (3 arches: the central one 58 m.sized, and the extreme ones 47,10 m.sized) Km.101+710 River Tanaro	A Beam damaged; a pier fallen in, and its shouldering pieces damaged	Restoration of the access-track to the bridge	Peroldi Giuseppe agency Savigliano workshops			

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ECIAL WORK " ction TURIN
- OVADA - ASTI

Weekly Report at 2 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd ate of Completion	Amount	Remarks
ridge	Shouldering piece (=towards Nizza) and beam damaged						2.000.000	
bli es d si	A Beam and a shouldering piece damaged	Temporary restoration performed						
							500.000	
r l nd	A Beam damaged; a pier fallen in and its shouldering pieces damaged	Restoration of the access-track to the bridge	Paroldi Giuseppe agency Bavigliano workshops				7.000.000	

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"WORK" and "SPECIAL WORK" Section TURIN — Weekly Report

CHIVASSO - AOSTA
Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of completion
1)	Iron beam 54 m. each Km. 32+838 between Ivrea and Montalto Dora	Beam broken m.6 from its support (=towards Ivrea) Completely fallen in	Greater part raised. Smaller part will be rebuilded in order to definitive restoration	Togne c.c.			10/8

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" SPECIAL WORK " Section TURIN

SO - AOSTA

Weekly Report at 2 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of Completion	Amount	Remarks
n.eight between Colto	Beam broken n.6 from its support (=towards Ivrea) Completely fallen in	Greater part raised. Smaller part will be rebuilded in order to definitive restoration	Cogne s.c.			10/8		

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" WORK " and " SPECIAL WORK " Section TURIN — Weekly Repor

Line ASTI - CASALE

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est te ple
1)	Iron beam 9,90 m. sized on Maggiorino brook	Its support (= toward Casale) damaged and uprooted from	Deranged buttresses substituted with cement floor The tracks will be leaned on iron girders	Bridges' group			19

D.C.3.3.

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and " ECIAL WORK " Section TURIN

ASTI - CASALE

Weekly Report at 2 July

cation	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'date of Completion	Amount	Remarks
km 9,90 m. n Maggiorino	Its support (=toward Casale) damaged and uprooted from	Deranged hutreges substituted with cement floor The tracks will be leaned on iron girders	Bridges' group			15/7		

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SEZIONE LAVORI - T O R I N O

Rapporto settimanale al

Linea : TROFARELLO - CUNEO

N. d'ord.	Ubicazione dell'opera	Descrizione sommaria del dissesto	Descrizione sommaria della opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguita	D ripr no t
1)	Walled bridge (3 arches 10 m. sized) Km. 34+963 Mellea stream	And arch partially fallen in	Temporary restoration with Differdingen beams performed	Savigliano workshops			
2)	Walled bridge (11 arches 15 m. sized) Km. 73+302 River Stura	9th, 10th, 11th arch and 2 piers (=towards Cuneo) fallen in		Voli agency	1/6	50 %	3

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- T O R I N O

OFARELLO - CUNEO

Rapporto settimanale al 2 July 1945

ne ra	Descrizione sommaria del dissesto	Descrizione sommaria della opera provvisoria	Ditta esecutrice	Data inizio lavori	% eseguita	Data ripristino presunto	Importo presunto	Annotazioni e materiali necessari non disponibili
m.ei 3 Mol	Arch partially fallen in	Temporary restauration with Differdingen beams performad	Savigliano workshops					
(11 ilized) ver	9th, 10th, 11th arch and 2 piers (=towards Cuneo) fallen in		Voli agency	1/6	50 %	31/7	5.000.000	Suspended for the delayed bolts furnishing by Savigliano workshops (solicited).

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"[illegible]" and "[illegible] Work" Section TURIN

Weekly Repo

Line.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es te pl
1)	Rolling bridge (1 arch 10 m. each, 10 m. clear, and 12 arch 20 m. clear)	[illegible] arch 10 m. clear fallen in; one arch damaged	--	Engineer Service	2/2	-	

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SPECIAL "Oak" Section TURIN

Weekly Report at 4 July 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
		-			-			Broken connections in course and removal of debris.

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" ORT " and " SPECIAL WORK " Section TURIN — Weekly Repor

CANALE - MORTARA

Line.....

Job N°	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es te pl
1)	Provisional bridge (16 arches 17 m. mixed) on river Te- sin Km. 75+255 between Nerrnova and Terrazza	4th arch fallen in	Urgent restora- tion				
2)	Stone bridge (2 sp... ches 17 m. mixed) on Agogna stream between Lomo and Castel d'Agogna Km. 814/14	Fallen in FINISHED the propping wooden frame's buildings substitution of the pier	Two couples of differdingen beams will be settled in	Bridges group			

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" SPECIAL WORK " SECTION TURIN

Weekly Report at 2 July 1945

AUS - PORTARA

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
ridge ... m. ver ...	... arch fallen in	Urgent restoration				1/7		
...ove...								
... (2 ar... used) ... room ... and ...ra	... fallen in FINISHED ... prepping wooden frame's building as substitution of the pier	two couples of timberdingen beams will be settled in	bridges group			15/7		

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Declassified E.O. 12356 Section 3.3/NND No. 785031

In the last week have been allowed con[illegible]
xs, as the enclosed prospectus show, in which is indicated what
progresses are reached - Have been handed effected the follo
wing tracks' rectifications :

a)- On TURIN- MILAN line :

forward track from Km. 78.300 to Km. 78.500 between Ver_
celli and Borgo Vercelli stations.

b)- On TURIN - ALESSANDRIA line :

forward track from Km. 47.500 to Km. 47.350 between Bal_
dichieri and S.Damiano stations - forward track from Km. 65.500
to Km. 67.000 between Castel d'Annone and Recchetta Tenaro sta_
tions.

Availing myself of this occasion, I beg you in order that your orders for cement's blockade raising will be addressed to the producer agency and not generically to " Casale ", taking into consideration in that town being several cement workshops.

I say over again the necessity of 4 automobiles' and one ex_
aminer's assignation to the iron-bridges' groups so that the resi_
dences works' management and collectation can be possible to
be sent to the dependent leaders of works departments groups .

E Cmd. [illegible]

MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO
COMPARTIMENTO DI TORINO
SEZIONE LAVORI

Turin, 25th June 1945
No 10273 / CS

MATTER :

Weekly report of restoration works.

Enclosures : 18

-Mayor G R E E N W O O D
by CAPO COMPARTIMENTO
-Captain C O N W A Y
by SEZIONE LAVORI
p.c. CAPO COMPARTIMENTO

/ SEDE /

In the last week have been alloted new works, as the enclosed prospectus show, in which is indicated what progresses are reached - Have been besides effected the following tracks' restorations :

a)- On TURIN- MILAN line :

forward track from Km. 78.300 to Km. 78.800 between Vercelli and Borgo Vercelli stations.

b)- On TURIN - ALESSANDRIA line :

forward track from Km. 47.500 to Km. 47.350 between Baldichieri and S.Damiano stations - forward track from Km.66.600 to Km. 67.000 between Castel d'Annone and Rocchetta Tanaro stations.

Availing myself of this occasion, I beg you in order that your orders for cement's blochade raising will be addressed to the producer agency and not generically to " Casale ", taking into consideration in that town being several cement workshops.

I say over again the necessity of 4 automobiles' and one camion's assignation to the iron-bridges' group; so that the restorations works' management and solicitation can be possible to me and to the dependent leaders of works departments groups .

IL CAPO DELLA SEZIONE LAVORI

Declassified E.O. 12356 Section 3.3/NND No. 785021

p.c. CAPO COMPARTIMENTO

SEDE

In the last week have been alloted new works, as the enclosed prospectus show, in which is indicated what progresses are reached - Have been besides effected the following tracks' restorations :

a)- On TURIN- MILAN line :

forward track from Km. 78.300 to Km. 78.800 between Vercelli and Borgo Vercelli stations.

b)- On TURIN - ALESSANDRIA line :

forward track from Km. 47.500 to Km. 47.350 between Baldichieri and S.Damiano stations - forward track from Km.66.600 to Km. 67.000 between Castel d'Annone and Rocchetta Tanaro stations.

Availing myself of this occasion, I beg you in order that your orders for cement's blochade raising will be addressed to the producer agency and not generically to " Casale ", taking into consideration in that town being several cement workshops.

I say over again the necessity of 4 automobiles' and one camion's assignation to the iron-bridges' group; so that the restorations works' management and solicitation can be possible to me and to the dependent leaders of works departments groups .

IL CAPO DELLA SEZIONE LAVORI

Bianchi

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pdz

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Declassified E.O. 12356 Section 3.3/NND No. 785021

Line.....NOVARA - DOMODOSSOLA.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of pletio
1)	Obliquo bridge under the way 4,95 m. sized Km. 29 + 857	Vault fallen in	Temprary restoration performed				
2)	Viadact (3 vaults 10 m.sized) Km.44+502 Vacalm ravine	A timber damaged	" "				
3)	Walled bridge (two arches 3,50 m.sized)	Central arch fallen in	" "				
4)	Iron bridge of 18 m. and bridge under the way of 2,50 m. Km.56+310 fabbiz stream	Been fallen in	" "				
5)	Bridge under the way (3 arches 4,90 m.sized) Km. 64.+72 ovilla Lanca di Cervasca	1st pier fallen in with 2nd arch (towards Novara) 2nd pier and abutdowing piece (towards Domodossola) seriously damaged.	-	Napellora			

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"SPECIAL WORK" Section TURIN

PROTOCOLLO

Weekly Report at 25 June 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
Num. 5 m.	Vault fallen in.	Temporary restoration performed					300.000	
to	A timber damaged							
1a		" "					2.000.000	
two	Central arch fallen in	" "					400.000	
18 Cor m.	Beam fallen in							
	1st pier fallen in with 2nd arch (towards Novara) 2nd pier and abutdering piece (towards Turin) seriously damaged.	" "	-	Impellom			950.000 1.000.000	Wooden centering provision in course.

JUNE 25th

Declassified E.O. 12356 Section 3.3/NND No. 785021

" WORK " and " SPECIAL WORK " Section TURIN

Line.....NOVARA - TORINO-CIA.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	E t p
6)	Iron bridge (7 beams the extreme ones 56,25 m. sized, and the inward ones 56 m. sized) Km. 66.217 River Co	2nd pier fallen in and the 6th beam between 5th and 6th pier broken; 6th and 7th beam fallen in the river bed		Girola			
7)	Bridge under the way 5 m. sized	Walled vault fallen in	Temporary restoration performed				

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CIAL WORK " ction TURIN Weekly Report at 25 Juin 1945

.20.2203.CIA.....

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'date of Completion	Amount	Remarks
ems 9th pier fallen in and the Bom between 5th and 6th pier broken; 6th and 7th beam fallen in the ri ver bed		Girola				12.000.000	Girola agency has called for Genera ve prices
Vaulted vault fal len in	Temporary restora tion performed					400.000	There are in course dealings with other Agencies'

Declassified E.O. 12356 Section 3.3/NND No. 785021

SAVONA - CARIAGNOLA
Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
1)	Walled bridge (5 arches 30 m. sized) Km. 8+127 (Acquabona stream)	3 arches and 2 piers (=towards S.Giuseppe) fallen in	Removal of debris in course	Coope_ rative s.c. of Savona		-
2)	Walled bridge (5 arches 18 m.sized) Km.9+408 (Isola brok)	Little retaining cone and first pier (= towards Savona) complete_ly fallen in	"	Daggero e Falco		
3)	Walled bridge (6 arches: the extreme ones m.14 and the inward ones m.18 sized) Km. 10+561	4 inward arches and 4 piers on Letimbro stream fallen in	"	Ing. Astengo e Savio		
4)	Walled bridge (3 arches of m.23 si_ set ,river Borrida	Central arch fal_ len in				

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CIAL WORK " ction TURIN Weekly Report at 25 JUNE 1945

AGNOLA

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd te of Completion	Amount	Remarks
r- 3 arches and 2 piers (=towards ma S.Giuseppe) fallen in	Removal of debris in course	Coopera- rative s.c. of Savona		-			Current dea- lings for the definiti- restoration of the fal- len bridges. -Agencies sa- tioned : -Saggero and Falco of Va vona . -Astengo and Savio of Sa- vona
) ittle reteing in cone and first pier (= towards Savona) completely fallen in	"	Saggero e Falco					
4 inward arches and 4 piers on Letimbro stream fallen in	"	Ing. Astengo e Savio					Cooperative S.C. of. vona
ar Central arch fal- n. len in a		Realini				7.000.000	Verifications and reports performed for fixing the amount of the definitive restoration

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" WORK " and " SPECIAL WORK " Section TURIN — Weekly Repo

Line..... SAVONA - CARMAGNOLA .....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es te pl
5)	Walled viaduct (5 arches 17 m. sized) Km. 41+995 Covetta stream	3 arches fallen in		Realini			
6)	Walled viaduct (9 arches 6 m. sized) Km. 46+291 Braia viaduct			Burini Domenico			
7)	Walled bridge (3 arches 20 m. sized) Km. 57+529- River Tanaro	2 arches and 1 pier fallen in		-			
8)	Walled bridge (3 arches 13,70 m. sized) Km. 63+959 Penio stream	One arch fallen in		Ing. Lodi Giani			
9)	Iron bridge (2 Beams of 44,35 m) Km. 74+359 River Tanaro			Iron brid Cos' group			
10)	Bridge under the way of 7,20 m. Km. 76+609			Ing. Lodi Giani			

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CIAL WORK " ection TURIN

CARMAGNOLA.....

Weekly Report at 25 Juin 1945

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'date of Completion	Amount	Remarks
3 arches fallen in		Realini				18.000.000	Agencies skilled and qualified for the restoration works' execution (as abgve).
		Berini Domenico				1.000.000	
2 arches and 1 pier fallen in		-			3/7	7.000.000	
One arch fallen in		Ing.Lodigiani				2.000.000	
		Iron bridgem' group					
		Ing. Lodigiani				300.000	

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" WORK " and " SPECIAL WORK " Section TURIN

Line..... SAVONA – CARMAGNOLA .....

Weekl

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
11)	Walled bridge (5 arches 20 m. eiaed) Km. 81+072 River Tanaro	4 arches fallen in	Promiscuous bridge Ing. (expenses but for the railroad part)	Lodigiani		
12)	Walled bridge (6 arches 20 m. eiaed) Km. 88+901 River Stura	4th arch fallen in	"	"		
13)	Iron bridge (2 vault to 14,65 m. eiaed) Km. 109+261 (Rilocier do Riv).	Beam damaged	Temporary restoration performed			

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d "SPECIAL WORK" Section TURIN

SAVONA - CARMAGNOLA

Weekly Report at 25 Juin 1945

on	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'da te of Co pletion	Amount	Remarks
dge (5 n. sized) River	4 arches fallen in	Promiscuous bridge (expenses but for the railroad part)	Ing. Lodigiani				5.500.000	
dge (6 n. sized) River	4th arch fallen in	"					2.500.000	
(2 vau_ sized) (Bleeding	Beam damaged	Temporary restoration performed					2.500.000	We are Waiting for tenders for the definitive works' execution within 24

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" WORK " and " SPECIAL WORK " Section TURIN

Weekly Report

Line..... ASTI - CHIVASSO .....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est' to c plet
1)	Walled bridge (1 arch 10 m. sized, and 12 ones 20 m. sized) Km. 46 + 838 River Po	10th arch fallen in ; 1st one less damaged	-	Fontana Luigi agency	-	-	31

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AL WORK " ection TURIN

CHIVASSO

Weekly Report at 25 Juin 1945

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
10th arch fallen in ; 1st one less damaged	-	Fontana Luigi agency	-	-	11 / 8	1.000.000	Wooden embankments' provision in course

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"WORK" and "SPECIAL WORK" Section TURIN — Weekly

TURIN - GENOA

Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
1)	Walled bridge (5 arches 12 m.sized) Km.37+733 Stura no stream	3 arches, 1 pier, and 1 shouldering piece fallen in	Temporary restoration performed with wooden piers and Differdingen beams.	Eng.-lit Oastaudi and Sarra agency	20/6	-
2)	Walled bridge (5 arches 3 ones 8 m. sized and 2 ones 3 m. sized)	1 arch fallen in and the left ones partially destroyed	" "	Bermerd. gen. Police agency	20/6	Turbar-yard's instal-lation
3)	Walled bridge (15 arches 10,20 m. sized) Km.89+892 River Tanaro	6 arches, 3 piers fallen in ; 2 arches seqously damaged	" "			
4)	Walled bridge (7 arches 15 m.sized) Km. 74+863 River Po	Completely fallen in	Traffic going on with a temporary wooden bridge			

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CIAL WORK " Section TURIN

GENOA

Weekly Report at 25 Juin 1945

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd te of Completion	Amount	Remarks
3 arches, 1 pier, and 1 abutment piece fallen in	Temporary restoration performed with wooden piers and Diffardingen bema.	Engineering Contractor and Serra agency	20/6	-	30/9	3.000.000	Timber-yard in getting ready.
1 arch fallen in and the left one partially destroyed	" "	De Bernardi gener. Police agency	20/6	Lumber-yard's installation	30/9	2.500.000	
6 arches, 2 piers fallen in ; 2 arches seriously damaged	" "						Qualified agencies asked for tender proposing.
Completely fallen in	Traffic going on with a temporary wooden bridge						Autorization in order to propose a better foundation type has been required by the Upper Commissary.

-/-

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TURIN - GENOA

Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
5)	Vaulted bridge (9 arches 15 m. sized) Km.33+648 River Dora Baltea	9 arches fallen in ; pier damaged	Temporary restoration performed	Rodio j.s.c.		
6)	Aqueduct of 5 m. Km. 23+097	Half arch fallen in and springe walls damaged	"	"	Barnard & Police	20/6 Timber yard's installation
7)	Vaulted bridge (5 arches 9 m. sized) Km.54+797 River Dora Baltea	Vault and its two lateral piers damaged	"	"	"	20/6 "
8)	Bridge under the railway 9 m. sized Km. 70+035	Vault key-stones damaged	"	"	"	"

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" SPECIAL WORK " Section TURIN

N - GENOA

Weekly Report at 25 Juin 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
(9 ised) r Nor.	9 arches fallen in ; pier damaged	Temporary restoration performed	Radio j.s.c.			31-3-46	15.000.000	Radio j.c.s. within a FEW days will attend for the timber-yard getting ready
n.	Half arch fallen in and springs walls damaged	" "	Bernardi Police	20/6	timber-yard's installation			
(5 ged) r Nor	Vault and its two lateral piers damaged	" "	"	20/6	"			
the d Fr.	Vault key-stones damaged	" "	"					

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" WORK " and " SPECIAL WORK " Section TURIN Weekly

GENOVA - OVADA - ASTI

Line.....

Job N°	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
30	Oblique iron bridge (1 arch 31,50 m. span Km. 75+[illegible] (Bolbo stream)	Left abutment and wing walls damaged.				
31	Iron bridge (1 arch 32,00 m. span and 2 side spans 12,00 m. each) Km. 79+765 (Bolbo stream).	Left abutment damaged	Temporary restoration performed			
32	Iron bridge (1 arch: the central one 50 m. span, and the outside ones 47,10 m. each) Km. 100+720 River Trebbia	A pier damaged and its shoulder piece demolished	Restoration of the screen-back diaphragm and the bridge	Genio Civile Agency	23/1	

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SPECIAL WORK "Section TURIN

OVA - OVADA - ASTI

Weekly Report at 25 June 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
a bridge straddling place ed . (a towards Rocca) Calbo and beam dragged.							2.000.000	
(3 oth.. a Tem and e.. Temporary restor.. s cars straddling pla.. ration performed ed rac.. on dragged s e.il.								
Calbo							500.000	
(3 ot.. a Beam dragged Restoration of Permdi 22/6 central n plan fallen in, the accom.-track damage ed, and and the abutt.. by the bridge agency s cars ring piece dam.. ed) and river							12.000.000	Between Asti and Savi.. lamp agencies in competition for 16t.. for the iron beam.

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" WORK " and " SPECIAL WORK " Section TURIN — Weekly Repor

Line.....

Job N°	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es to pl
1)	Walled bridge (2 arches 15,20 mtres)	First arch fallen in	Wooden piers on cement bases and differentiation beams	Agency	13/4	50	
2)	Bridge under the way of 5 m. Km. 12 + 907 Lanzoro street	Iron beam destroyed	Temporary route, bridging' ation in course prep				

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IAL WORK Section TURIN

Weekly Report at 13 Juin

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Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
...t arch fallen ...	...oden piers on ... ...ment banks and ...fferdigon beams	Agency	11/6	50	26/7	1.800.000	
...on base destr... ...d	Temporary route ... ...tion in course troop				30/6	250.000	

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" WORK " and " SPECIAL WORK " Section TURIN — Weekly Repor

Line.....

Job Nº	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Es to pl
1)	Walled bridge (3 arches 10 m. ea) Km.34+363 Ralian stream	an arch partially fallen in	a. [illegible] b. [illegible] c. [illegible] d. [illegible] e. [illegible] f. [illegible] g. [illegible] h. [illegible] i. [illegible] l. [illegible] m. [illegible] foundations reconstructed	[illegible] [illegible] nothings			
2)	Walled bridge (11 arches 15 m. ea) Km. 73+192 River Stura	9th, 10th, 11th arch and 2 piers (towards Cuneo) fallen in		Tell agency	1/6	30 %	
3)	Viaduct bridge (27 arches 29 m. ea. and one 6 m. ea, with cement floor for the Stato stress) Km.74+710 River Stura	12th, 13th, 14th arch and 2 piers (towards Cuneo) fallen in	Provisional bridge (Expenses not for the railroad part).				

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ECIAL WORK " Section TURIN Weekly Report at 25 Juin 1945

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
	[illegible] arch partially fallen in	Temporary restoration with [illegible] carriageway performed	Ferrovie motorways					
	9th, 10th, 11th arch and 2 piers (towards Susa) fallen in		Foti agency	1/6	30 %	15/7	5.000.000	Suspended for the deepened bottom starting by Savigliano workshops (selected).
	12th, 13th, 14th arch and 2 piers (towards Susa) fallen in	Provisional bridge (Express but for the railroad part).					10.000.000	

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" [illegible] " and " SPECIAL WORK " Section TURIN — Weekly Rep

TURIN - MODANE

Line.....

Job No	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	E t p
1)	Walled oblique bridge (3 arches of 15,53 m) Km.44+910 Dora Riparia stream	2 arches completely fallen in	Temporary restoration performed with iron beams Differdingen				
2)	Walled viaduct (5 arches 12 m.sized) Km.51+622 Gelasso brook			Villio Agency			3
3)	Walled bridge viaduct (4 arches 15 m.sized) Km.62+850 Aquila stream	Good shouldering pieces, but other parts fallen in		"			3
4)	Iron bridge 30,83 m.sized Km. 65+309 Dora Riparia stream	Half out off.		Savigliano workshop			
5)	Artificial tunnel at Pont Ventoux Km. 70+373	Fallen in for abt. 12 m. of its length					
6)	Iron bridge 18 m. sized Km.70+585 (Dora Riparia stream).	Completely fallen in		Savigliano workshop			

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ECIAL WORK " Section TURIN

Weekly Report at 25 JUNE 1945

WORDS

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'date of Completion	Amount	Remarks
2 arches completely fallen in	Temporary restoration performed with iron beams Differdingen	Milli Agency			31/10	12.000.000	
Good shouldering pieces, but other parts fallen in		"			31/10	17.750.000	Wooden centerings' provisions in course
Half out off.		Savigliano workshop				3.000.000	definitive restorations dealings in course
Fallen in for abt. 12 m. of its length							definitive restoration's dealings begun
Completely fallen in		Savigliano workshop				12.000.000	Idem c.s.

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TURIN - MODANE

Line.....

Job N°	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress
7)	Bridge under the way of 5,77 m. Km. 82+320	Vault fallen in		Agricolind		
8)	Valde bridge of 18,21 m. Km. 82 + 328			"		
9)	Walled bridge (central arch 20 m. sized, lateral ones 10 m. sized) Km. 83+622	Completely fallen in				
10)	Fréjus tunnel Km. 89+400	The vault of the artificial tunnel fallen in for abt 150 m.				
11)	Walled oblique bridge (4 arches 10 m. sized) Km. 33+387 (Dora Ripuria stream).	Central arch fallen in	Temporary restoration performed with Differdingen iron beams.			

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SPECIAL WORK " Section TURIN Weekly Report at 25 Juin 1945

- PODAME

	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
	Vault fallen in		Anglolini				1.900.000	The agency calls for cautions for carry to the place/ the materials
	Completely fallen in							
	The vault of the artificial tunnel fallen in for abt 150 m.							
	Central exch fallen in	Temporary restoration performed with Differdingen iron beams.						Land reclamation from mines is pertaining to Allied Command

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Weekly Repo

" WORK " and " SPECIAL WORK " Section TURIN

Line..... SANTHIA' – ARONA .....

Job N°	Location	Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Expected completion
1)	Iron bridge (5 arches: 19,65 m.sized the lateral ones; and 25,20 m.sized 3 central ones) Km.6+398 Elvo stream	First vault (=ste wards Santhià) fallen in, and second one cut off.				Savigliano workshop	
2)	Iron and oblique bridge under the railway 4 m.sized Km.43+580 La Ternata road	Beam damaged	Temporary restoration performed				
3)	Walled and oblique bridge under the railway 6 m. sized Km.47+672 S.Cristina road	Vault fallen in	"	"			

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AL WORK " ection TURIN

ONA .....

Weekly Report at 25 Juin 1945

Summary description of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of Completion	Amount	Remarks
First vault (next to wards Xanthia) fallen in, and second one cut off.		Savigliano workshops				3.000.000	Materials' provisions course
Beam damaged	Temporary restoration performed					150.000	
Vault fallen in	"	"				1.000.000	

AZIENDA DELLE FF. SS. DI STATO
COMPARTIMENTO DI TORINO
SEZIONE LAVORI

Turin, 18 jui 1945

N° / 9738 / C.S.

- MAYOR G R E E N W O O D
by CAPO COMPARTIMENTO
- CAPTAIN C O N W A Y
by SEZIONE LAVORI
- p.c. CAPO COMPARTIMENTO
/ S E D E /

" Weekly report
about restoration works "

- 10 -

In the last week :

1°) We have settled the building works alloting of Bormida stream-bridge near Alessandria.
On our estimated account (= L.39.000.000) LODIGIANI Agency has called for a 165 % rise - The work have alloted to GIOVANNI RODIO j. s. c., which has made a 0,70 % allowance to our pri_ces (= Difference between first and last tender : L. 64.623.000).

2°) According to the orders received in the Departments Manager's presence on 13th s.m. the works of the Turin-Modane line have been alloted to the agencies shown on the enclosed prospectus and we con certify that also other works referred to first re_storation schedule (of which the enclosed prospectus) will be alloted without competition to skilled and qualified agencies and also having the necessary materials.

3°) On Turin-Milan line :
a)- Has been restored the opposed track from Km.35,200 to Km.35.400 between St.Antonino and Livorno Ferraris stations.

b)- Has been restored the forward track from Km. 43+730 to Km.43+930 between St.Antonino and Livorno Ferraris stations.

4°) On Turin -Bormida cross-road :
a)- Have been restored the Ns. 21- 135- 137- 140 switches in Asti's station.

b)- Has been displaced the extreme switch (= towards Turin) of St.Damiano d'Asti and the directly line restored.

c)- Has been restored the forward track from Km. 47+550 to Km. 48.000 between Baldichieri and St. Damiano stations.

d)- Has been restored the forward track from Km. 67.000 to Km.67.600 between Castel d'Annone and Rocchetta T.

IL CAPO DELLA SEZIONE LAVORI

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2°) According to the orders received in the Departments Manager's presence on 13th s.m. the works of the Turin-Modane line have been alloted to the agencies shown on the enclosed prospectus and we can certify that also other works referred to first re_storation schedule (of which the enclosed prospectus) will be alloted without competition to skilled and qualified agencies and also having the necessary materials.

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IL CAPO DELLA SEZIONE LAVORI

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TURIN - MODANE

Sub No	Location	Nature of damage	Steps taken for repair	Agency	Date of completion	Cost	No. of days to complete	Length of Span
1)	Walled oblique bridge (3 arches of 15,53 m.) Km. 44+910 Dora Riparia stream	2 arches completely fallen in	Temporary restoration performed with iron beams Heffordingen					
2)	Walled viaduct (5 arches 12 m. sized) Km. 514+622 Gelasso brook			Gillio agency			31/10	12.00
3)	Walled bridge viaduct (4 arches 15 m. sized) Km. 624+650 Aquila stream	Good shouldering pieces, but other parts fallen in		"			31/10	17.70
4)	Iron bridge 30,83 m. sized Km. 654+309 Dora Riparia stream	Half cut off.		Savigliano workshop				3.00
5)	Artificial tunnel at Pont Ventoux Km. 704+373	Fallen in for abt. 12 m. of its length		2				

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CDANE

rches completely fallen in	Temporary restoration performed with iron beams Differdingen						
		Gillio agency		31/10			
					12.000.000		
od shouldering ers, but other rts fallen in							Wooden casheerings' provisions in course
		"		31/10	17.750.000		
lf cut off.		Savigliano workshop					Definitive restoration's dealings begun
					3.000.000		
llen in for abt. m.of its length		2					Definitive restoration's dealings begun

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TURIN - MODANE

6)	Iron bridge 46 m. sized Km.70+585 (Dora Riparia stream).	Completely fallen in	Savigliano workshop	
7)	Bridge under the way of 5,77 m. Km. 82+310	Vault fallen in	Angiolini agency	
8)	Walled bridge of 18,21 m. Km. 82+328			
9)	Walled bridge (central arch 20 m. sized, lateral ones 10 m. sized) Km. 83+622	Completely fallen in		
10)	Frejus tunnel Km. 85+400	The vault of the artificial tunnel fallen in for abt. 150 m.		
11)	Walled oblique bridge (4 arches 10 m. sized) Km.33+387 (Dora Riparia stream).	Central arch fallen in	Temporary restoration performed with Differdingen iron beams.	?

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MODANE

...e Completely fallen in ...re_		Saviglisno workshop		Definitive re_ storation's dealings be_ gun
... Vault fallen in		Angiolini Agency	12.000.000	The agency cal ls for cemions for carry to the place the materials.
...en Completely fal_ ...l len in ...3		"	1.500.000	
... The vault of the artificial tunnel fallen in for abt. 150 m.		"		
...id Central arch ... fallen in ...e		Temporary reste_ ration performed with Differdingen iron beams.	?	Works' accomplis_ ment is foresee within 5 months after land recla_ mation from mi_ nes

Declassified E.O. 12356 Section 3.3/NND No. 785021

SAVONA - CARMAGNOLA

No.	Location	Description (kind and dimensions of structure)	Summary description of damage by explosives	Agency	Initial date of works	Progress (%)	Est'd date of completion
1)	Walled bridge (5 arches 30 m.aimed) Km. 8+127 (Acqua bona stream)	3 arches and 2 piers (=towards S.Giuseppe) fallen in.	Removal of debris in course				
2)	Walled bridge (5 arches 18 m.aimed). Km.9+407 (Isola brook)	Little retaining cone and first pier (= towards Savona) completely fallen in.	"				
3)	Walled bridge (6 arches the extreme ones m.14 aimed, and the inward ones m.18 aimed) Km. 10+561	4 inwards arches and 4 pier on Lottambro stream fallen in	"				
4)	Walled bridge (3 arches: the extreme ones 15 m. aimed and the central one m.30+175 (river Bormida)	Central arch fallen in					

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...rches and 2 ...ers (=towards ...iuseppe) fal... ...ig.	Removal of de... bris in course	"					Current dea... lings for the definitive re... sto...tion of the fallen bridges Agencies summ... ned: -Caggero and Felce of Ve... rona. -Labengo and Savio of Sa... vore. - Realissi of S. Giuseppe C.
...ttle retains ...e and first ...er (= towards ...vona) complete ... fallen in.	"	"					
...inwards arches ...and 4 pier ...on Settimbro ...etrian fallen in	"	"					
...ntral arch fal... ...n in							Verifications and reports performed for fixing the amount of the definitive re... storations.
						7.000.000	

pds

Declassified E.O. 12356 Section 3.3/NND No. 785021

SAVONA - CARMAGNOLA
(Simple track)

	Location	Summary description of kind of damages	Summary description of temporary repairs	Agency	Initial date of works	Progress	Date of completion
5)	Walled viaduct (5 arches 17 m. sized) Km.44+995 Covetta stream	3 arches fallen in					
6)	Walled viaduct (9 arches 6 m. sized) Km. 46+291 Brain viaduct						
7)	Walled bridge (3 arches 20 m. sized) Km. 57+529 - River Tamaro	2 arches and 1 pier fallen in					
8)	Walled bridge (3 arches 13,70 m. sized) Km. 63+999 Rosio stream.	One arch fallen in.					
9)	Iron bridge (2 BEAMS of 44,35 m) Km. 74+359 River Tamaro						
10)	Bridge under the way of 5,50 m. Km. 76+609						

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GNOLA
k)

...ary designation of docks	Summary description of temporary repairs	Agency	Initial date of works	Progress	Est'd date of completion	Amount	Remarks
...rches fallen in						18.000.000	New Agencies skilled and qualified for the r...tora-tion works execution (as above).
						1.000.000	
...arches and l ...pier fallen in						7.000.000	
...he arch fallen ...o.						2.000.000	

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SAVONA - CARMAGNOLA
(Simple track)

Nr. No.	Location	Damage description and size of damage	Damage consideration and estimate of repairing costs	Lost and stolen material	Spare parts	Estimate of repairing costs
11)	Walled bridge (5 arches 20 m. sized) Km. 81+072 River Tanaro	4 arches fallen in	Promiscuous bridge (Expenses but for the railroad part)			
12)	Walled bridge (6 arches 20 m. sized) Km. 88+901 River Stura	4th arch fallen in				
13)	Iron bridge (2 vaults 14,65 m. sized) Km.109+261 (Ricciardo Riv).	Beam damaged	Temporary restoration performed			

2.59

2352

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CLA
)

arches fallen in	Promiscuous bridge (Expresse but for the railroad part)						
h arch fallen in							
n damaged	Temporary restore_ tion performed					2.500.000	We are waiting for tenders for the defi_ nitive works' execution within 24 th .6.

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NOVARA - DOMODOSSOLA

1)	Oblique bridge un_ der the way 4,25 m. sized. Km.29+857	Vault fallen in	Temporary restoration performed		
2)	Viaduct with 3 tim_ bers 10 m. sized Km.44+592 Pemcola ravine	A timber damaged	"	"	
3)	Walled bridge with two arches 5,50 m. sized	Central arch fallen in	"	"	
4)	Iron bridge of 18 m. and bridge under the way of 2,50 m. Km.56+530 Gabbio stream	Timber fallen in	"	"	
5)	Bridge under the way (3 arches 4,50 m. sized)	1st pier fallen in, with 2 nd arch (towards Novara) 2 nd pier and shouldering piece (towards Domodossola) seriously damaged.			

pdz

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SSOLA

fallen in	Temporary resto-ration performed				300.000		
mber damaged	"	"					
					2.000.000		
					400.000		
ral arch fal-n	"	"					
					250.000		
mber fallen	"	"					
pier fallen in, d arch (to- Novara) d pier and ildering piece werds Domodos- a) seriously aged.					1.000.000		

pdz

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6)	Iron bridge (7 timbers the distance one 56,29 m. sized, and the inward one 60 m. sized) Km. 56+217 River Toce	5th pier fallen in and the timber between 5th and 6th pier broken; 6th and 7th timber fallen in the river bed			12.6
7)	Bridge under the way 5 m.sized	Walled vault fallen in	Temporary restoration performed		

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th pier fallen e and the tim- ber between 5th and 6th ier broken; th and 7th tim- er fallen in he river bed					12,000,000	
lod vault fd. in	Temporary resto- ration performed				400,000	

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GENOVA - OVADA - ASTI

1)	Oblique iron bridge 33,94 m. sized. Km.76+962 (Belbo stream)	Shouldering piece (= towards Nizza) and beam damaged.		
2)	Iron bridge (3 oblique arches: 2 ones 22,01 m.sized and 3rd one 23,18 m.sized) Km. 79+765 (Belbo stream).	A Beam and a shouldering piece damaged	Temporary restoration performed	
3	Iron bridge (3 arches: the central one 50 m. sized, and the extreme ones 47,10 m.sized) Km. 101+710 River Tanaro	A Beam damaged; a pier fallen in, and its shoulde-ring pieces damaged		

2.

22.

2299

pds

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DA - ASTI

...ouldering piece towards Nizza) ...beam damaged.				
...Beam and a shoul...ering piece da...aged	Temporary restoration performed		2.000.000	
...Beam damaged; ...pier fallen in, ...its shoulde...-ring pieces damaged			500.000	Between Ansal...do and Savig...no agencies i... competition for 2... -6.
			22.000.000	

pdz

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SANTHIA' -- ARONA

No.	Description	Summary description of damage	Summary description of temporary repairs	Agency	Estimated date of repair	Progress	Date of completion	Amount
1)	Iron bridge (5 m. clear; 19,65 m. wide) the lateral ones; and 25,20 m. wide 3 central ones) Km. 6+396 Vco stra en	First vault (=to wards Santhia') fallen in, and second one cut off.		Savigliano workshops				2.0
2)	Iron and oblique bridge under the railway 4 m. wide Km. 43+580 In Ozzero road	Beam damaged	Temporary restoration performed					1
3)	Walled and oblique bridge under the railway 6 m. wide Km. 47+872 S.Ori stano road	Vault fallen in	" "					1.0

8622

2298

gds

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- ARGNA

Location (Indicate if temporary repairs)	Agency	Initial date of repair	Progress	Repair (Indicate if Completed)	Amount	Remarks
Vault vault (wood warm bench) fallen in, and second one cut off.						Materials provision in course
	Savigliano workshops				2.000.000	
Dam damaged	Temporary restoration performed					
					150.000	
Vault fallen in	" "					
					2.000.000	

pds

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VIGNALE - VARALLO

	Location	Summary description of damage	Summary description of temporary repairs	Agency	Initial date of works	Progress	Date of completion	
1)	Iron bridge (3 arches: 2 m.14,20 sized, and 1 m.17,40 sized) Km.6+468 Agogna stream	First vault dama ged	Temporary restoration performed					
2)	Little bridge 4 m. sized Km.27+857 Km.27+857	Beam fallen in	"	"				
3)	Walled bridge (15 arches 15 m.sized) Km.38+726 Quirico broock	First arch cracked	"	"				
4)	Bridge under the way of 7 m. Km. 39+460	Vault dismantled						

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VARALLO

Summary description of work	Agency	Initial date of works	Progress	Est'd date of completion	Amount	Remarks
First vault dem ged	Temporary restoration performed					
					220.000	The amounts are relati to the definitive RESTORation works.
Beam fallen in	" "				260.000	
First arch cracked	" "				300.000	
Vault dismantled					1.000.000	

pdz

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TURIN - GENOA

1)	Walled bridge (5 arches 12 m. sized) Km.37+733 Stanavaz so stream	3 arches, 1 pier, and 1 shouldering piece fallen in	Temporary restoration performed with wooden piers and Differdingen beams.	Eng. Pa Castandi and Serra agency			30/ 9 13.00
2)	Walled bridge (5 arches: 3 ones 8 m. sized and 2 ones 3 m.sized). Km. 46+150 Traversa stream	1 arch fallen in and the left ones a partially destroyed	" "				
3)	Walled bridge (15 arches 10,20 m. sized) Km. 89+292 River Tanaro	6 arches, 5 piers fallen in ; 2 arches seriously damaged	" "				
4)	Walled bridge (7 arches 15 m.sized) Km. 7+803 River Po	Completely fallen in	Traffic going on /with a temporary wooden bridge.				

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- GENOA

	3 arches, 1 pier, and 1 shouldering was piece fallen in	Temporary restoration performed with wooden piers and Differdingen beams.	Eng. Castaudi Serra agency		30/ 9	13.000.000	Timber-yard if getting ready
	1 arch fallen in and the left ones partially destroyed	" "					
5	6 arches, 5 piers fallen in ; 2 arches seriously damaged	" "					Qualified agencies asked for tenders proposing.
d) Po	Completely fallen in	Traffic going on with a temporary wooden bridge.					Authorization in order to propose a better foundations type has been required by the Upper Commissary.

mdz

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TURIN - GENOA

5)	Walled bridge (9 arches 15 m.sized) Km. 23+526 River Bormida	9 arches fallen in ; pier damaged	Temporary restoration performed	Rodio	32-5
6)	Aqueduct of 5 m. Km. 23+007	Half arch fallen in and springs walls damaged	"	"	In competition for 20th.6
7)	Walled bridge (5 arches 9 m.sized) Km. 54+797 River Borbore	Vault and its two lateral piers demolished	"	"	"
8)	Bridge under the Vault keyway 5 m. sized Km. 70+095	damaged	"	"	"

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GENOA

(9 ged) ver	9 arches fallen in ; pier damaged	Temporary repair performed	Radio j.s.c.	31-5-46	30.000.000 Radio j.s.c. within a few days will attend for the timber-yard getting ready
.	Half arch fallen in and springe wall is damaged	"	In competition for 20th.		
5 d) ex	Vault and its two internal piers damaged	"	"		
s	Vault key-stones dam. damaged	"	"		

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ASTI - CHIVASSO

1)	Walled bridge (1 arch 10 m.sized, and 12 ones 20 m. sized) Km. 46 + 838 River Po	10th	arch fallen in ; 1st one less damaged		Fontana Luigi agency	

7622

pdz

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- CHIVASSO

ge sized, 0 m.	10th 1st	arch fallen in ; one less dama_ ged	Fontana Luigi agency			1.000.000	Wooden cambe_ rings' provi_ sion in course

pds

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CHIVASSO - CASALE

1)	Walled bridge (7 arches 18,20 sized) Km. 12 + 386 Dora Baltea stream	First arch fallen in					1.8
2)	Bridge under the way of 5 m. Km. 12+987 Lampero street	Iron beam destroyed	Temporary restoration in course		30/6		2

2293

pdc

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CASALE

irst arch fallen n							
						1.800.000	
ron bern destro_ ed	Temporary resto_ ration in course				30/6	250.000	

pdz

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TROFARELLO - CUNEO

Job No	Location	Nature of damage	Necessary description of repairs	Agency	Estimated cost of works	Time	Date of clearing
1)	Walled bridge (3 arches 10 m. sized) Km. 34+963 Mellea stream	An arch partially fallen in	Temporary resto_ Savigliano ration with Dof_ workshops ferdinge beams performed				
2)	Walled bridge (11 arches 15 m. sized) Km. 73+302 River Stura	9th, 10th, 11 th arch and 2 piers (=towards Cuneo) fallen in		Voli agency	1/6	20	15/7
3)	Viaduct bridge (27 arches 25 m. sized and one 4 m. sized, with cement floor for the State street) Km. 74+790 River Stura	12th, 13th, 14th arch and 2 piers (=towards Cuneo) fallen in	Promiscuous bridge . (Expenses but for the railroad part).				

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pds

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NEO

n partially fallen in	Temporary resto_Saviglisno ration with Dof_ workshops ferdinge beams performed						
10th, 11 th and 2 piers rds Cuneo) in		Voli agency	1/6	20 %	15/7	5.000.000	
13th, 14th and 2 piers rds Cuneo) n in	Promiscuous bridge . (Expenses but for the railroad part).					60.000.000	

pdz

MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO
COMPARTIMENTO DI TORINO
S E Z I O N E L A V O R I

Torino, 10 Luglio 1945
N° 9395/ C.S.

MATTER:
Restoration of lines and constructive works.

Maggiore G R E E N W O O D
presso CAPO COMPARTIMENTO
Capitano C O N W A Y
presso SEZIONE LAVORI
p.c. CAPO COMPARTIMENTO - S E D E

With report to the note T R 60 on 29th-V- 1945 of yours we are communicating the notices the same note has called for and concerning the repairing of constructive works and the restoration of lines performed in the last week.

LINE ASTI-CHIVASSO : The propping and constructive works between Asti and S.Sebastiano Po -have been finished - It remains interrupted the transit between S.Sebastiano Po and Chivasso owing to the damages produced in the bridge over river Po, for which is being studied how to allow on a lease the resiling works.

LINE CHIVASSO-CASALE : The restoration of the temporary transit eitheron the bridge over river Dora Baltea at Km. 12+386 either on the bridge over railway at Km. 12+972 is in course of work. It may be foreseen the restoration for the month's end.

LINE VIGNALE-VARALLO : The transit on this line has been restored on 4th June 1945.

LINE TROFARELLO-CUNEO : The wood working for the strut frame, the destroyed walls removing and the draining for the foundation works relating to the walling road bridge over Stura stream at Km. 73+302, are going on.
The restoration is foreseen within 15th July u.c.

LINE SAVONA-CARMAGNOLA : Beginning of destroyed walls removing works for the refiting of the piers on the Braja-stream viaduct at Km. 46+291.

LINE CASTAGNOLE-ASTI-MORTARA : The filling up of the craters and the track restoration between Km. 13+200 and 15+000 between the stations of Molini d'Isola and S.Marzanotto.

Pending the same week have been restored the following track ways after those already in activity, by collection of building materials coming from the dismantlings owed to Germans :

LINE TORINO-MILANO

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cerning the repairing of constructive works and the restoration of lines performed in the last week.

LINE ASTI-CHIVASSO : The propping and constructive works between Asti and S.Sebastiano Po -have been finished - It remains interrupted the transit between S.Sebastiano Po and Chivasso owing to the damages produced in the bridge over river Po, for which is being studied how to allow on a lease the resiling works.

LINE CHIVASSO-CASALE : The resteration of the temporary transit eitheron the bridge over river Dora Baltea at Km. 12+386 either on the bridge over railway at Km. 12+972 is in course of work. It may be foreseen the restoration for the month's end.

LINE VIGNALE-VARALLO : The transit on this line has been restored on 4th June 1945.

LINE TROFARELLO-CUNEO : The wood working for the strut frame, the destroyed walls removing and the draining for the foundation works relating to the walling road bridge over Stura stream at Km.73+302, are going on.

The restoration is foreseen within 15th July u.c.

LINE SAVONA-CARMAGNOLA : Beginning of destroyed walls removing works for the refiting of the piers on the Braja-stream viaduct at Km. 46+291.

LINE CASTAGNOLE-ASTI-MORTARA : The filling up of the craters and the track restoration between Km.13+200 and 15+000 between the stations of Molini d'Isola and S.Marzanotto.

Pending the same week have been restored the following track ways after those already in activity, by collection of building materials coming from the dismantlings owed to Germans :

LINE TORINO-MILANO : Between the stations of Torrazza and Saluggia-(opposite track) - m. 220 .

Between the stations of S.Antonino ad Livorno (forward track)-m. 380 .

Between the stations of Vercelli and Borgo Vercelli (forward track) - m. 400 .

LINE TORINO-ALESSANDRIA : Between the stations of Castello d'Annone and Rocchetta Tanaro - m. 300 .

IL CAPO DELLA SEZIONE LAVORI

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pdz

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4-6-45

Turin-Modane Line.

Technical Report on the Frejus Tunnel Condition.

The Frejus tunnel length: m 13 '636 connects Italy with France through the valleys of the rivers Doria Riparia(Italian side) and Are(French side). This tunnel belongs to Italy for 6790 m and to France for 6846 m. - It is a straight tunnel except for two curves near the South mouth(Italy) and North mouth (France): the first Section of about 100 m at the South mouth is formed by an artificial tunnel while the North mouth has no artificial section.

From the South mouth (Italy) the level has an a short length where it rises m 0,030, then with further rises of m.0,010 and 0,0005 the level gets to m 1294,75 (top) above the sea level on the frontier point between Italy and France; then,with descendent declivities of m 0,023 and 0,027 the tunnel finishes at the North mouth (France) m 1130 above the sea level.

The tunnel is bored across stratified rocks and protected by a masonry lining.

On the declaration of war between Italy and France, the French army exploded a short tunnel section of about 30 m near the North mouth which has been repaired by the French themselves on the armisstice between the two Countries (Italy and France).-When the Germans invaded Italy, the Italian army exploded a section of about 80 m at 800 m from the mouth.
The invasion completed, the German army compelled Italy to provide for the restoration of this tunnel section.

When Modane was liberated by the Allied troups, the Germans made demolitions of a more serious nature to the tunnel section already repaired on the Italian side.

According to informations, the Germans before exploding the tunnel section, blocked the two tracks with two trains loaded with

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Turin-Modane Line.

Technical Report on the Frejus Tunnel Condition.

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From the South mouth (Italy) the level has an a short length where it rises m 0,030, then with further rises of m.0,010 and 0,0005 the level gets to m 1294,75 (top) above the sea level on the frontier point between Italy and France; then,with descendent declivities of m 0,023 and 0,027 the tunnel finishes at the North mouth (France) m 1130 above the sea level.

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The invasion completed, the German army compelled Italy to provide for the restoration of this tunnel section.

When Modane was liberated by the Allied troups, the Germans made demolitions of a more serious nature to the tunnel section already repaired on the Italian side.

According to informations, the Germans before exploding the tunnel section, blocked the two tracks with two traine loaded with munitions and explosive (tritol).

It is now probable that the tunnel has completely collapsed on the above section (about 150 m.

./.

2290

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Herewith the list of work needed for the restoration:

a) Removal, conveyance and unloading of abt. mc.16 000 of debris

b) Cement concrete for the vault and pilaster mc.3500

c) Filling with hand setteled dry stones mc.2000

c) covering stone plates for central gallery mq.400

and the following materials:

1°) - Normal cement (kg 500): qls. 10500

2°) - Timber for armature mc 200

3°) - Iron for armature (n.20) qls. 1600

with an expense of:

I°	- Excavation, conveyance and unloading of materials mc. 16000,00 X 150	L.2,400,000,00
II°	- Concrete kg 300 for a m.c. of sand mc. 3500 x 2400	" 8,400,000,00
III°	- Iron for armature qls. 1600x 1400	" 2,240,000,00
IV°	- Stone plates for gallery covering mq.400 x 200	" 80,000,00
V°	- Timber for armature mc.200 x 7500	" 1,500,000,00
VI°	- Filling with dry stones mc 2000 x 7000	" 1,400,000,00
	Total	L.16,020,000,000
	About 10% unforeseen	" 1,580,000,00
	For a total amount of	L.17,600,000,00

It is estimated that it will take approx. 5 months, working from both sides.

Addendum. The foregoing is just a rough estimate, should the international situation permit, I am going to take the Chief Engineer etc. up to the Area and if possible contact the French Chief Engineer and see if they can get together on this matter.
Have already applied to Col. Walker- Milan for 400 German

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and the following materials:

1°) - Normal cement (kg 500): qls. 10500

2°) - Timber for armature mc 200

3°) - Iron for armature (n.20) qls. 1600

with an expense of:

I°	- Excavation, conveyance and unloading of materials mc. 16000,00 X 150	L.2,400,000,00
II°	- Concrete kg 300 for a m.c. of sand mc. 3500 x 2400	" 8,400,000,00
III°	- Iron for armature qls. 1600x 1400	" 2,240,000,00
IV°	- Stone plates for gallery covering mq.400 x 200	" 80,000,00
V°	- Timber for armature mc.200 x 7500	" 1,500,000,00
VI°	- Filling with dry stones mc 2000 x 7000	" 1,400,000,00
	Total	L.16,020,000,000
	About 10% unforeseen	" 1,580,000,00
	For a total amount of	L.17,600,000,00

It is estimated that it will take approx. 5 months, working from both sides.

Addendum. The foregoing is just a rough estimate, should the international situation permit, I am going to take the Chief Engineer etc. up to the Area and if possible contact the French Chief Engineer and see if they can get together on this matter.
Have already applied to Col. Walker- Milan for 400 German P.O.W. to assist and the Regional Commissioner is approaching General Crittenburger about the same subject.

Unfortunately the situation in that area is " sticky" and orders are to go slow in any way which is likely to affect it. This policy has been laid down by the combained Chiefs of Staff and intermated to me by Col. Marshall.

Will report more fully after my " reccy."

Capt. R. Signals

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