

ACC 10000/148/34

10095 TCU

SECURITY OF VITAL UTILITY + RR INSTALLATIONS

OCT. 1943

Folio	DATE	Ref-	From / To.
1-9	Oct 1	10095-	HQ IRS office of Engineer
10-14	Oct -	10095-	From Mr. Bowman
15	" -	10095-	" " " "
16-18	Oct - 8	10095-	" " Rly Administration
19	" 10	10098-	" Capt - Howard
20	" 10	10098-	To " " "
21	" 10	10095-	" Public Safety Div
22	" 10	1175/PS	To CSO (Copy) from PS
23-26	Oct 7.	10095-	Copies of letter from Gen Clark.
27-29.	"	10095-	From Eng Zonta.
30	12 Oct.	1175/PS	From Gen Bolles.
31	14 Oct.	1175/PS	" " " "
32.	23 "	10095	To Chief Staff office

MAPS FILMED ON
35MM ROLL

27 Oct-

Re VPs.

On above date Memorandum
set long hand (no copies) recommendation
to PS Dir setting forth VPs on slides
system & suggestions with request
to guard by employees of GCL

LDDenman

AMLOE/10095/KU

Vulnerable points--Railway, Sicily

Chief Staff Officer

23 October 3

1. It is recommended that adequate guards be placed at the following vital points on the State owned Railway System of Sicily:

a. Palermo--Termini Section.

- (1) Viadotto mur., 3 luci, km. 10 + 463-53.
- (2) Ponte mur., 3 luci, km. 19+756.34.
- (3) Ponte ferro, 1 luce, km. 21+496.73.
- (4) Viadotto mur., 3 luci, km. 25+408.90.
- (5) Gallerie 1 e delle Torri m. 165.51, km. 23+648.98--
23+844.69.
- (6) Gallerie 4 e delle Torri m. 260.47, km. 24+924.54--
25+245.04.
- (7) Gallerie di Termini m. 348.63, km. 3+046.37--
35+334.97.
- (8) Ponte Ferro, 3 luci, km. 34+212.12.

b. Termini-Cefalu' Section.

- (9) Ponte ferro, 2 luci, km. 42+771.99.
- (10) Ponte ferro, 9 luci, km. 47+733.06.
- (11) Ponte ferro, 1 luce, km. 53+927.70.
- (12) Ponte ferro, 1 luce, km. 57+433.71.

c. Cefalu'--S. Stefano Section.

- (13) Gallerie di Cefalu' m. 764.70, km. 67+101.14--
67+865.64.
- (14) Gallerie Caprone m. 2,054.91, km. 68+516.39--
70+571.50.
- (15) Ponte mur., 1 luce, km. 70+029.14.
- (16) Gallerie di S. Ambrogio m. 186.89, km. 72+923.33--
73+112.22.
- (17) Gallerie Malpertugio m. 1628.22, km. 73+272.74--
74+901.66.
- (18) Ponte mur., 3 luci, km. 74+901.66.
- (19) Gallerie Maperosso m. 274.81, km. 76+061.19--
76+369.12.
- (20) Gallerie S. Maria m. 1426.22 km, 77+105.83--
78+233.10.
- (21) Gallerie Torre Oanea m. 639.34 km, 78+759.63--
79+531.37.
- (22) Ponte mur., 3 luci, km. 82.024.00.
- (23) Gallerie Polline m. 1744.07 km, 82+476.06--

1712

- (3) Ponte ferro, 1 luce, km. 21+496.73.
- (4) Viadotto mur., 3 luci, km. 25+408.90.
- (5) Gallerie 1 e. delle Torri m. 153.51, km. 23+643.98--
23+811.89.
- (6) Gallerie 4 e. delle Torri m. 260.47, km. 24+984.54--
25+213.01.
- (7) Gallerie di Femini m. 343.60, km. 30+046.37--
35+394.97.
- (8) Ponte Ferro, 3 luci, km. 34+212.12.

B. Femini-Gefalu' Section.

- (9) Ponte ferro, 2 luci, km. 42+771.93.
 - (10) Ponte ferro, 9 luci, km. 47+733.06.
 - (11) Ponte ferro, 1 luce, km. 55+927.79.
 - (12) Ponte ferro, 1 luce, km. 57+433.74.
- C. Gefalu'--S. Stefano Section.
- (13) Gallerie di Gefalu' m. 764.70, km. 67+101.14--
67+855.84.
 - (14) Gallerie Carlone m. 2,054.91, km. 68+546.39--
70+571.30.
 - (15) Ponte mur., 1 luce, km. 70+229.14.
 - (16) Gallerie di S. Ambrogio m. 186.83, km. 72+925.33--
73+112.22.
 - (17) Gallerie Maipertugio m. 1628.32, km. 73+272.74--
74+931.06.
 - (18) Ponte mur., 3 luci, km. 74+921.06.
 - (19) Gallerie Mayorosso m. 274.24, km. 76+061.19--
76+369.12.
 - (20) Gallerie S. Maria m. 1426.22, km. 77+105.88--
78+553.10.
 - (21) Gallerie Negro Conca m. 659.34, km. 71+759.63--
79+531.37.
 - (22) Ponte mur., 3 luci, km. 82+021.00.
 - (23) Gallerie Pollina m. 1744.07, km. 82+176.06--
83+920.13.
 - (24) Gallerie Selichente m. 940.44, km. 84+347.52--
84+897.96.
 - (25) Gallerie Nacchio m. 1646.52, km. 86+354.69--
88+101.21.
 - (26) Gallerie Tusa m. 306.12, km. 88+471.73--
88+767.77.
 - (27) Ponte mur., 9 luci, km. 90+83.97.
 - (28) Ponte ferro 1 luce, km. 92+347.53.
 - (29) Viadotto mur. 3 luci, km. 95+315.58.
 - (30) Ponte ferro, 2 luci, km. 96+847.23.

1712

D. Palermo--Porto.

- (31) Ponte mur., 6 luci, km. 0+767.04.
- (32) Viadotto mur. 3 luci, km. 2+153.05.

BEST COPY POSSIBLE

- (35) Cavalcavia mar. 1 luce, km., 5+55+47.
- (36) Cavalcavia mar. 1 luce, km., 6+018+41.

2. Palermo-Alcorno Juine.

- (35) Gallerie No. 1 n. 228.00, km., 11+892.00--12+120.00.
- (36) Viad. misto in P. n. 44+30, km., 4+116.15.
- (37) Ponte 4 ARDATE km., 50+077.65.
- (38) Gallerie No. 1 n. 386.46, km., 51+776.35--52+462.81.
- (39) Ponte misto 2 ARDATE km., 56+572.42.
- (40) Gallerie No. 2 n. 294.83 km., 63+412.85--63+752.68.
- (40a) Ponte mar. 3 luci, km., 63+526.79.
- (41) Ponte mar. 4 luci, km., 69+855.00.
- (42) Gallerie No. 3 n. 280.62 km., 69+922.96--70+203.58.

3. Alcornio Junction--Trapani.

- (43) Viadotto mar. 5 luci, km., 72+510.34.
- (44) Viadotto mar. 4 luci, km., 74+659.28.
- (45) Viadotto mar. 7 luci, km., 76+418.59.
- (46) Gallerie No. 1 n. 242.89, km., 78+536.58--79+600.40.
- (47) Gallerie No. 2 n. 269.63, km., 75+921.48--76+190.11.
- (48) Viadotto mar. 16 luci, km., 78+508.93.
- (49) Viadotto mar. 4 luci, km., 80+570.96.
- (50) Viadotto mar. 11 luci, km., 82+309.94.
- (51) Viadotto mar. 6 luci, km., 84+396.13.
- (52) Gallerie No. 1 n. 1627.59 km., 82+523.39--83+150.94.
- (53) Gallerie No. 6 n. 142.32 km., 85+422.15--85+624.45.
- (54) Gallerie No. 7 n. 158.82 km., 86+471.06--86+629.80.
- (55) Viadotto mar. 5 luci, km., 84+776.61.
- (56) Viadotto mar. 5 luci, km., 85+187.63.
- (57) Viadotto mar. 5 luci, km., 85+783.43.
- (58) Viadotto mar. 2 luci, km., 87+162.50.
- (59) Gallerie No. 3 n. 438.75 km., 91+556.11--91+836.86.
- (60) Gallerie No. 10 n. 316.08 km., 95+739.79--96+045.87.
- (61) Viadotto mar., 4 luci, km., 97+249.44.
- (62) Viadotto mar., 4 luci, km., 97+485.96.
- (63) Viadotto mar. 12 luci, km., 99+17.20.
- (64) Gallerie CARALOTTO n. 691.44, km., 103+579.94--104+274.38.
- (65) Viadotto mar. 3 luci, km., 113+660.16.

4. Alcornio Junction--Castelvetrano.

- (66) TRAVATA met. n. 46.65, 1 luce, km., 70+879.44
- (67) TRAVATA met. n. 20.00, 1 luce, km., 72+493.73
- (68) Ponte ferro 1 luce, km., 73+800.00.
- (69) Ponte ferro 1 luce, km., 83+550.28.
- (70) Ponte mar. 1 luce, km., 84+283.70.
- (71) Ponte ferro 1 luce, km., 85+587.00.
- (72) Gallerie No. 6 n. 463.00 km., 103+144.00--103+607.00.
- (73) Gallerie No. 7 n. 124.70 km., 103+734.40--103+725.10.
- (74) Gallerie No. 8 n. 167.58 km., 104+091.78--104+267.36.
- (75) Gallerie No. 9 n. 175.75 km., 106+303.10--106+478.85.

2. Alcorno Junction--Treponti

- (42) Gallerie No. 3 m. 280.62 km., 69+922.96--70+203.38.
- (43) Viadotto mur. 3 luci, km., 72+510.34.
- (44) Viadotto mur. 4 luci, km., 74+639.28.
- (45) Viadotto mur. 7 luci, km., 76+418.59.
- (46) Gallerie No. 1 m. 242.89 km., 73+356.58--75+600.40.
- (47) Gallerie No. 2 m. 263.63 km., 73+921.48--76+190.11.
- (48) Viadotto mur. 16 luci, km., 78+508.93.
- (49) Viadotto mur. 4 luci, km., 80+570.96.
- (50) Viadotto mur. 11 luci, km., 82+309.91.
- (51) Viadotto mur. 6 luci, km., 84+398.13.
- (52) Gallerie No. 1 m. 1627.55 km., 82+523.39--84+110.94.
- (53) Gallerie No. 6 m. 142.32 km., 85+452.13--87+021.45.
- (54) Gallerie No. 7 m. 152.82 km., 86+471.06--88+629.88.
- (55) Viadotto mur. 5 luci, km., 84+776.61.
- (56) Viadotto mur. 5 luci, km., 85+137.63.
- (57) Viadotto mur. 5 luci, km., 85+785.43.
- (58) Viadotto mur. 2 luci, km., 87+162.50.
- (59) Gallerie No. 5 m. 433.75 km., 91+356.11--91+836.86.
- (60) Gallerie No. 10 m. 346.08 km., 93+733.79--96+043.87.
- (61) Viadotto mur. 4 luci, km., 97+243.44.
- (62) Viadotto mur. 4 luci, km., 97+485.96.
- (63) Viadotto mur. 12 luci, km., 99+175.29.
- (64) Gallerie CARBAGNANO m. 694.44 km., 103+572.94--104+271.38.
- (65) Viadotto mur. 3 luci, km., 115+660.16.

3. Alcorno Junction--Castelvetro

- (66) TRAVATA met. m. 46.65, 1 luce, km., 70+873.43
- (67) TRAVATA met. m. 20.00, 1 luce, km., 724+33.71
- (68) Ponte ferro 1 luce, km., 73+800.00.
- (69) Ponte ferro 1 luce, km., 80+530.28.
- (70) Ponte mur. 1 luce, km., 84+233.70.
- (71) Ponte ferro 1 luce, km., 85+587.00.
- (72) Gallerie No. 6 m. 463.00 km., 103+144.00--103+607.00.
- (73) Gallerie No. 7 m. 124.70 km., 103+734.10--103+723.10.
- (74) Gallerie No. 8 m. 167.50 km., 104+073.78--104+267.36.
- (75) Gallerie No. 9 m. 175.75 km., 106+303.10--106+478.85.

4. Pianforte--Roccapiumbe

- (76) Ponte mur. 3 luce, km., 51+850.16.
- (77) Ponte mur. 3 luce, km., 53+268.46.
- (78) Ponte mur. 3 luce, km., 53+470.93.
- (79) Gallerie PIETRADICATA m. 367.25 km., 53+717.52--59+034.85.
- (80) Ponte mur. 2 luce, km., 60+023.00

(84) Ponte mur, 2 luce, m. 61 + 83.56

1. Accampalunga - Gallinaccio

- (82) Ponte mur, 2 luce, m. 69 + 366.54
- (83) Ponte mur, 2 luce, m. 70 + 736.68
- (84) Ponte mur, 2 luce, m. 72 + 217.23
- (85) Ponte ferro, 1 luce, m. 74 + 935.24
- (86) Ponte mur, 2 luce, m. 75 + 161.67
- (87) Ponte mur, 2 luce, m. 75 + 367.93
- (88) Ponte ferro, 1 luce, m. 77 + 53.59
- (89) Galleria Magasinaccio m. 233, m. 88 + 562.03 --
90 + 800.03
- (90) Ponte ferro, 1 luce, m. 99 + 560.37
- (91) Ponte ferro, 1 luce, m. 100 + 347.35
- (92) Ponte ferro, 1 luce, m. 104 + 250.77
- (93) Ponte ferro, 1 luce, m. 105 + 040.02
- (94) Galleria Marimopoli, m. 6, 477.41, m. 105 + 822.32 --
112 + 321.56
- (95) Ponte mur, 2 luce, m. 113 + 443.24
- (96) Ponte mur, 2 luce, m. 119 + 344.96
- (97) Ponte mur, 1 luce, m. 120 + 523.44
- (98) Galleria Poggio, m. 256, 64, m. 123 + 611.24 -- 123 + 377.83
- (99) Galleria Miral, m. 134.44, m. 125 + 203.75 -- 125 + 353.25

2. Gallinaccio - Bona - Biondo

- (100) Ponte mur, 5 luce, m. 133 + 166.13
- (101) Galleria Artificio, m. 335.65, m. 134 + 708.27 -- 134 + 813.92
- (102) Galleria Portella, m. 1, 137.09, m. 135 + 310.81 -- 135 + 447.84
- (103) Ponte mur, 1 luce, m. 144 + 336.41
- (104) Galleria Borgo, m. 157.24, m. 143 + 283.44 -- 143 + 445.62
- (105) Galleria Farnate, m. 163.81, m. 144 + 863.53 -- 144 + 027.34
- (106) Galleria Fusella, m. 742.54, m. 146 + 370.87 -- 147 + 113.44
- (107) Galleria Poveello, m. 216.11, m. 148 + 401.56 -- 148 + 699.67
- (108) Galleria Misericordia, m. 1, 124.24, m. 150 + 339.52 --
151 + 703.76
- (109) Galleria Venti, m. 203.02, m. 152 + 908.21 -- 153 + 116.23
- (110) Ponte mur, 5 luce, m. 162 + 735.00
- (111) Ponte ferro, 1 luce, m. 163 + 331.59
- (112) Ponte mur, 2 luce, m. 169 + 278.38
- (113) Ponte ferro, 1 luce, m. 175 + 358.12
- (114) Ponte ferro, 1 luce, m. 178 + 842.54
- (115) Ponte ferro, 3 luce, m. 186 + 904.45
- (116) Ponte ferro, 3 luce, m. 190 + 240.98
- (117) Ponte ferro, 1 luce, m. 223 + 925.27
- (118) Ponte ferro, 1 luce, m. 223 + 233.77
- (119) Ponte ferro, 1 luce, m. 231 + 477.80

3. Biondo - Catania - Ciarro Biondo

- (120) Galleria di Catania, m. 747.62, m. 230 + 272.75 --
230 + 020.44

- (92) Ponte ferro, 1 luce, km. 101+250.77
 (93) Ponte ferro, 1 luce, km. 105+040.02
 (94) Galleria Marimuroldi, m. 5, 477.44, km. 105+922.52 --
 112+32'.66
 (95) Ponte mur, 2 luci, km. 115+443.24
 (96) Ponte mur, 2 luci, km. 119+514.36
 (97) Ponte mur, 1 luci, km. 120+523.46
 (98) Galleria Poggio, m. 255.64, km. 123+511.24 -- 123+977.83
 (99) Galleria Miral, m. 151.48, km. 123+203.75 -- 123+555.23
1. Calampianetta Alfol -- Zona -- Biocosa
- (100) Ponte mur, 3 luci, km. 133+166.13
 (101) Galleria Artificiale, m. 235.65, km. 134+708.27 -- 134+813.92
 (102) Galleria Portello, m. 1, 137.00, km. 135+310.91 -- 135+447.84
 (103) Ponte mur, 1 luce, km. 144+336.44
 (104) Galleria Borgo, m. 157.21, km. 143+288.44 -- 143+445.62
 (105) Galleria Portofino, m. 163.81, km. 144+863.53 -- 145+027.34
 (106) Galleria Pasella, m. 742.54, km. 146+376.87 -- 147+113.44
 (107) Galleria Porcillo, m. 218.11, km. 148+481.56 -- 148+699.67
 (108) Galleria Bisciccorda, m. 1, 424.24, km. 150+359.52 --
 151+783.76
 (109) Galleria Vardi, m. 238.02, km. 152+903.24 -- 153+116.23
 (110) Ponte mur, 3 luci, km. 162+735.00
 (111) Ponte ferro, 1 luce, km. 163+334.59
 (112) Ponte mur, 2 luci, km. 169+278.38
 (113) Ponte ferro, 1 luce, km. 170+358.12
 (114) Ponte ferro, 1 luce, km. 172+342.54
 (115) Ponte ferro, 3 luci, km. 186+904.45
 (116) Ponte ferro, 3 luci, km. 190+240.98
 (117) Ponte ferro, 1 luce, km. 228+925.57
 (118) Ponte ferro, 1 luce, km. 223+233.77
 (119) Ponte ferro, 1 luce, km. 231+477.80
2. Biocosa -- Catania -- Mareo Riosto
- (120) Galleria di Caterla, m. 747.69, km. 233+272.75 --
 239+020.84
 (121) Viottotto mur, km. 239+273.55
 (122) Galleria mur, 1 luce, km. 240+601.47
 (123) Galleria 16a, m. 187.29, km. 248+744.77 -- 249+928.46
 (124) Galleria 15a, m. 188.32, km. 249+286.02 -- 249+334.34
 (125) Galleria 14a, m. 276.58, km. 249 +919.34 -- 250+195.92
 (126) Galleria 13a, m. 104.30, km. 256+778.43 -- 256+879.78
 (127) Galleria 12a, m. 247.31, km. 257+721.55 -- 257+873.34
 (128) Galleria 11a, m. 125.60, km. 257+937.31 -- 258+132.97
 (129) Galleria 10a, m. 440.73, km. 258+232.37 -- 258+613.42

1710

2. Maccoa -- Vallavola

- (130) Ponte ferro, 6 luci, km. 257+563.99
- (131) Ponte ferro, 1 luce, km. 262+175.57
- (132) Gallerie Vallavola, n. 1, 519.30, km. 265+501.33 --

3. Vallavola -- Galtavotus

- (133) Gallerie Grottabianca, n. 327.38, km. 277+231.85 --
- (134) Gallerie Galtavotus, n. 351.56, km. 277+301.90 --

4. Vallavola -- S. Maria

- (135) Ponte ferro, 1 luce, km. 283+038.56
- (136) Cavalcavia mur, 1 luce, km. 284+84.11
- (137) Ponte ferro, 1 luce, km. 285+035.80
- (138) Gallerie di Agnola, n. 121.22, km. 285+713.72 --
- (139) Viadotto mur, 6 ferro, 10 luci, km. 288+827.22
- (140) Gallerie La Guardia, n. 200.12, km. 270+221.16 --
- (141) Gallerie Augusta, n. 231.73, km. 283+973.73 --
- (142) Ponte ferro, 1 luce, km. 283+451.34
- (143) Ponte mur, 1 luce, km. 283+453.14

5. Roccapalumba -- Augusta Collare -- Agrigento -- Porto Empedocle

- (144) Ponte mur, 2 luci, km. 69+361.54
- (145) Gallerie Prosciocelli, n. 318.00, km. 75+142.00 --
- (146) Gallerie Leonora, n. 1, 090.00, km. 77+718.00 --
- (147) Ponte ferro, 1 luce, km. 81+025.83
- (148) Ponte ferro, 3 luci, km. 82+779.76
- (149) Ponte ferro, 1 luce, km. 86+830.23
- (150) Ponte ferro, 3 luci, km. 87+453.33
- (151) Ponte ferro, 3 luci, km. 97+053.61
- (152) Ponte ferro, 3 luci, km. 105+359.14
- (153) Gallerie del Ferro, n. 122.00, km. 110+313.00 --

- (133) Galleria Avotabimma, n. 277.38, km. 277+231.03 --
 277+609.23
 (134) Galleria Calvario, n. 354.56, km. 277+301.90 --
 278+156.46

Valassola -- Riva Ronca.

- (135) Ponte Ferro, 1 luce, km. 253+031.55
 (136) Cavallaccia mar, 1 luce, km. 254+514.11
 (137) Ponte Ferro, 1 luce, km. 255+255.80
 (138) Galleria di Aguzzo, n. 181.22, km. 259+715.72 --
 259+836.34
 (139) Viadotto mar, e Ferro, 10 luci, km. 268+227.22
 (140) Galleria La Gariboldi, n. 200.12, km. 270+225.16 --
 270+421.23
 (141) Galleria Augusta, n. 234.73, km. 283+979.73 --
 284+214.46
 (142) Ponte Ferro, 1 luce, km. 285+451.34
 (143) Ponte mar, 1 luce, km. 287+153.16

Rossopalmara -- Arona Colliure -- Aguzzo -- Porto Empedocle.

- (144) Ponte mar, 2 luci, km. 69+366.54
 (145) Galleria Fredricelli, n. 318.00, km. 72+142.00 --
 72+457.00
 (146) Galleria Locura, n. 1,090.00, km. 77+718.00 --
 78+808.00
 (147) Ponte Ferro, 1 luce, km. 81+025.83
 (148) Ponte Ferro, 3 luci, km. 85+779.76
 (149) Ponte Ferro, 1 luce, km. 86+080.28
 (150) Ponte Ferro, 3 luci, km. 87+453.33
 (151) Ponte Ferro, 3 luci, km. 97+053.84
 (152) Ponte Ferro, 3 luci, km. 103+353.14
 (153) Galleria del Ferro, n. 122.00, km. 110+313.00 --
 110+465.00
 (154) Ponte Ferro, 3 luci, km. 111+367.69
 (155) Ponte Ferro, 1 luce, km. 114+113.86
 (156) Ponte Ferro, 1 luce, km. 116+240.33
 (157) Galleria S. Giuseppe, n. 211.42, km. 133+314.70 --
 133+363.12
 (158) Galleria Spina Santa, n. 107.65, km. 134+245.40 --
 135+036.05
 (159) Galleria Ballina a Vento, n. 405.45, km. 136+860.95 --
 137+256.40
 (160) Viadotto di Ferro e mar, 5 luci, km. 138+432.93
 (161) Galleria Mota, n. 241.31, km. 139+065.05 --
 139+306.36
 (162) Viadotto in Ferro e mar, 7 luci, km. 140+186.82
 (163) Galleria Oca, n. 476.04, km. 142+002.38 --
 142+476.42

1709

2. Strada Gallaro - Rio Cantello - Lancia - Angera - Saronno.

(164)	Viadotto mur, 9 luci, km. 126+560.38
(165)	Galleria Roccolini, m. 135.23, km. 126+630.70 — 126+874.14
(166)	Viadotto mur, 9 luci, km. 126+316.92
(167)	Galleria Genta, m. 162.63, km. 127+320.33 — 127+432.90
(168)	Viadotto ferro, 1 luce, km. 130+339.96
(169)	Viadotto mur, 3 luci, km. 131+527.98
(170)	Galleria Mantova, m. 752.05, km. 132+740.00 — 133+452.02
(170a)	Galleria Piacenza, m. 215.36, km. 144+563.64 — 144+779.00
(171)	Galleria in Spandora, m. 152.62, km. 176+813.04 — 176+996.67
(172)	Galleria in Spandora, m. 156.74, km. 177+428.63 — 171+602.42
(173)	Galleria in Pavesotella, m. 99.52, km. 179+250.22 — 179+350.54
(174)	Galleria in Pavesotella, m. 350.87, km. 179+768.53 — 180+119.40
(175)	Galleria Pavesotella, m. 253.39, km. 180+743.35 — 181+003.74
(176)	Galleria in Pavesotella, m. 476.80, km. 182+032.53 — 182+359.33
(177)	Galleria in Pavesotella, m. 309.13, km. 182+567.06 — 183+576.67
(178)	Galleria in Pavesotella, m. 135.72, km. 183+044.77 — 184+177.49
(180)	Galleria in Pavesotella, m. 1022.07, km. 184+691.72 — 185+531.58
(181)	Galleria in Pavesotella, m. 465.34, km. 185+831.72 — 185+301.06
(182)	Galleria in Pavesotella, m. 137.16, km. 187+338.05 — 187+375.19
(183)	Viadotto mur, 7 luci, km. 187+450.33
(184)	Galleria Pavesotella, m. 231.00, km. 188+014.67 — 188+446.44
(185)	Ponte ferro, 3 luci, km. 230+296.33
(186)	Ponte ferro, 1 luce, km. 246+252.87
(187)	Ponte ferro, 1 travetto, km. 223+069.87
(188)	Ponte ferro, 1 travetto, km. 231+011.87
(189)	Ponte ferro, 1 travetto, km. 236+815.54
(190)	Ponte ferro, 1 travetto, km. 243+385.54
(191)	Viadotto mur, 3 luci, km. 268+905.89
(192)	Viadotto mur, 4 luci, km. 282+933.37
(193)	Galleria in Pavesotella, m. 143.62, km. 291+409.28 — 291+838.60
(194)	Galleria in Pavesotella, m. 705.51, km. 306+760.44 — 309+455.95
(195)	Viadotto mur, 5 luci, km. 309+753.76
(196)	Galleria Neugsa, m. 940.21, km. 309+875.72 — 310+813.93
(197)	Viadotto mur, 9 luci, km. 310+316.77
(198)	Galleria Pavesotella, m. 1017.15, km. 311+002.16 — 312+019.34
(199)	Viadotto mur, 3 luci, km. 312+753.32
(200)	Viadotto mur, 3 luci, km. 313+301.21
(201)	Ponte mur, 3 luci, km. 316+522.92
(202)	Galleria Pavesotella, m. 1158.04, km. 317+581.84 — 317+769.85
(203)	Galleria Pavesotella, m. 504.79, km. 318+808.79 — 319+313.34
(204)	Galleria Pavesotella, m. 630.93, km. 319+390.60 — 320+014.13
(205)	Viadotto mur, 5 luci, km. 330+748.90
(206)	Galleria Genta del Marelli, m. 431.31, km. 323+102.32 — 323+540.63
(207)	Galleria Mantova, m. 1700.30, km. 323+813.21 — 323+503.44
(208)	Galleria Mantova, m. 331.85, km. 323+703.72 — 323+121.55
(209)	Ponte mur, 3 luci, km. 330+774.88
(210)	Ponte ferro, 1 luce, km. 331+753.17

1708

- (220) Gallerie S. Michele, M. 221-25, km. 140+063.95-140+225.24
- (221) Gallerie Grotta D'Acqua, M. 106.34, km. 143+670.73 - 143+777.07
- (222) Piana dei Land Lais - 7 km. S.W. of Piana (Not shown on map).

2. Attached is blue print showing location of V.P.'s marked with corresponding numbers as indicated in paragraph 1 hereof.

3. In the event any of the territory is to be guarded by troops - V.P.'s can be eliminated as required.

4. V.P.'s with respect S.G.H.D.S. (G.H. Co.) will be guarded by employees of that Company under plan and instruction to be approved and issued by P.S. Division, this H. Directive to G.H. Co. to be drafted by this Division (T.C. & U) and submitted to P.S. Division.

5. It is requested that this recommendation be approved and passed to P.S. Division for necessary action.

100/AC.

1 Encl: Blue Print.

(Signature)
L.D. DEBENHUR
1st Col., S. G.
Director, Transportation,
Communications & Facilities.

P.S.D.

*Along recommendation: approved and passed to P.S.
Division for action.*

*15/ 7. July 1964
Lt. Col.
230 X. 43.*

ALLIED MILITARY GOVERNMENT

SUBJECT: Guarding of V.Ps.

FILE No. AMGOT/1175/PS

TO: Superintendent of Civil Police.

AMGOT HQ., SICILY

14 October 1943

The Guards on V.Ps. which have been under discussion will be expected to be in place and assume responsibility at 0100 hours November 1st, 1943. At that date and hour responsibility for this security will pass to AMGOT.

Where guards can be placed at an earlier date it can and should be done by arrangement with the Commanding Officer of the local Military Guard.

Please arrange accordingly.

LEONEL L. BULLOCK,
Colonel, Infantry,
Commissioner of Public Safety.

Copies to :

T.O. and U. Divisions.

S.C.A.P.Os. AGRIGENTO.

CAITANISSETTA.

PALEMO.

TRAPANI.

Island Base Section.

Through
S.C.A.Os.

1706

ALLIED MILITARY GOVERNMENT

SUBJECT: Guarding of V.Ps.

TO: Superintendent of Civil Police.

FILE No. AMGOT/1175/PS

AMGOT HQ. SICILY

14 October 1943

The Guards on V.Ps. which have been under discussion will be expected to be in place and assume responsibility at 0100 hours November 1st, 1943. At that date and hour responsibility for this security will pass to AMGOT.

Where guards can be placed at an earlier date it can and should be done by arrangement with the Commanding Officer of the local Military Guard.

Please arrange accordingly.

LEWEL L. BOLLES,
Colonel, Infantry,
Commissioner of Public Safety.

Copies to :

T.O. and U. Divisions.

S.C.A.P.Os. AGRIGENTO.

CALTANISSETTA.

PALERMO.

TRAPANI.

Island Base Section.

Through
S.C.A.Os.

1706

Guards - V.P.'s

10095
MOE/1175/13

Superintendent, Civil Police.

12 October, 30

1. Further on above subject, estimation of guards needed, as prepared by D.F.C. & U. are attached.
2. At an early date arrangements should be made to reduce the number of posts and guards to the minimum consistent with security.
3. In connection with points raised by D.F.C. & U. in para. 4, you are advised :-
 - (a) For at least one month, probably longer and on a temporary basis.
 - (b) At the discretion of Superintendent, Civil Police.
 - (c) Superintendent of Civil Police will be responsible for providing such arms as may be authorized by him.
 - (d) Will be the subject of separate report from C.F.C. thru this office.

*Go to
Col. D. J. Moore*

LEWEL L. BOLLES
Colonel, Infantry,
Commissioner of
Public Safety.

Copy to:- D.F.C. & U.

c) Orbiter 1st N. Frank

40 1- 10	Cotinus Archa' in Cuman d. V. Ziff Archa' - pro d. Meyner
40 2- 10	Cuman in Cuman d. Meyner
40 3- 10	Poculumen - in Cuman d. Poculumen - pro Meyner
40 4- 10	Meyneria - in Cuman d. Meyneria - pro Meyner
40 5- 10	Wegando - in Cuman d. Wegando - pro d. Cuman
70 6- 40	Reisa - in Cuman d. Cuman
40 7- 10	Simulob. - in Cuman d. Simulob. - pro. 1700
40 8- 10	Haecula
40 9- 10	Ragula
40 10- 10	Wigizier' - Cuman d. Wigizier' - Cuman - 1700
70 11- 40	Reinbren - Cuman d. Reinbren
70 12- 40	Salgum' - Cuman d. Salgum' - pro d. Prosaia
70 13- 40	Caltaunick. - Cuman d. Caltaunick -
70 14- 40	Reisealta - pro. d. Cuman

27

a) Centrali Idroelettriche

- 51^{1/2} ✓ Aleantara 1^o salto -
in territorio del Comune N. Castiglione (prov. di Catania)
- 62^{1/2} ✓ Aleantara 2^o salto
in territorio del Comune N. Castiglione (prov. di Catania)
- 73^{1/2} ✓ Cassibile
in territorio del Comune N. Arvola (prov. di Siracusa)
- 84^{1/2} ✓ Casuzze in territorio Comune N. Palermo
- 95⁰ ? Salsi 1^o salto in territorio Comune N. Burgio
(Prov. di Agrigento)
- 106¹ ? Salsi 3^o salto in territorio Comune N. Rictica
(Prov. di Agrigento)
- 117⁰ ✓ Diga N. Piana dei Fiesi - terr. Com. N. Piana dei Fiesi
(prov. di Palermo)
- 128^{1/2} ✓ Operidipiera - Canali - V. M. M. M. - 1^o salto
di Comune N. Piana - S. Cristina - Belmonte
(Prov. di Palermo)
- 139^{1/2} ✓ Diga N. Prizzi - in territorio Comune N. Prizzi
(prov. di Palermo)
- 1410^{1/2} ✓ Diga N. Piana M. M. - in terr. del Comune N. Piana
Piana M. M. - prov. di Palermo

COPY.

SUBJECT : Railway Guards.

A.M.G.O.T. HQ (Through 7 Army).

10095
26 Raw
1520/G.

7 Oct 43.

Attached is a list of vulnerable points on the East Sicilian railways which might be damaged by acts of sabotage.

I do not consider that the threat of sabotage is sufficiently serious to justify the employment of British troops on these duties, nor have I sufficient troops at my disposal to provide the guards.

I request that you will consider the employment of Carabinieri or other civil police as railway guards.

Signed. J. Clark,
Major General,
Commanding,
No. 1 District.

In the Field.

Copy to :- Mov

*Followed
Col. [unclear]*

170

COPY

VULNERABLE POINTS ON EAST SICILIAN RAILWAYS.

Railway Kilo-metre.

(A) Line MOTTA - BICOCCA.

45 metre steel span over TORRENTE RANNOLO
immediately East of MOTTA station

223.25 119-119 ✓

(B) Line BICOCCA - IONIA (RIPOSTO)

Catania Tunnel

Catania Viaduct

Three tunnels between ACI CASTELLO

and ACI TREZZO stations

Tunnel $\frac{1}{2}$ kilometres N. of ACI REALZ station
Three Tunnels

238.3 120
239.2 121

248.75/250.2 { 123
256.8 124
257.6/258.7 { 125
126
127
128
129
130

(C) Line BICOCCA - SYRACUSE

150 metre steel bridge over R. SIBETO

47 metre steel span over R. GORNALINGA

Valsavoia Tunnel

46 metre steel span over R. LEONARDO

AGNONE Tunnel

CASTELLICGIO Viaduct

La GUARDIA Tunnel

BRUCOLI Tunnel

AUGUSTA Tunnel

31 metre steel span over R. MOLINELLO

35 metre steel span over R. MARCELLINO

237.5 130
242.2 131
246.5 132
253 — 133
259.7 — 138
268 — 139
270.2 — 140
273.3
284 — 141
286.2
288.4 — 142

(D) Line SYRACUSE - NOTO

20 metre steel span over R. ANAPO

45 metre three arch masonry bridge
over R. GASSIBILE

315.15
330.6

(E) Line NOTO - PACHINO

80 metres four arch viaduct over R. ASIARO

K.1

237.5 130
242.2 131
245.5 132
253 — 133
259.7 — 138
268 — 139
270.2 — 140
273.3
284 — 141
286.2
288.4 — 142

150 metre steel bridge over R. SINETO
47 metre steel span over R. SCALINGA
Valaavoia Tunnel
146 metre steel span over R. LECHARDO
AUCHE Tunnel
CASTELLONCIO Viaduct
La GUARDIA Tunnel
BRUCOLI Tunnel
AUGUSTA Tunnel
34 metre steel span over R. MOLINELLO
35 metre steel span over R. MARCELLINO

(D) Line STRACUSE - NOTO

20 metre steel span over R. ANAPO
45 metre three arch masonry bridge
over R. CASALBILE

(E) Line NOTO - PACCHINO

80 metres four arch viaduct over R. ASTILARO

315.15

330.6

K.1

1702

Karl

ASAC/10025/AGU

Guards for essential civilian installations

Public Safety Division.

10 October 3

1. The following estimate is submitted of number of civilian guards required for listed agencies:

- a. Railways.
 - (1) Tunnels - 564 guards - 188 posts - 3 shifts.
 - (11) Bridges - 594 guards - 198 posts - 3 shifts.
- b. Electric Utilities. 54 guards - 18 posts - 3 shifts.
- c. Gas Utilities. 12 guards - 4 posts - 3 shifts.
- d. Highway Bridges (American Area Only) 36 guards - 12 posts - 3 shifts.

Wester on

2. No suggestion for guards for water installations is made. They have not been previously guarded. It is reported that Capt. Fryde, Water Officer, Seventh Army agrees with this position.

3. These estimates are based upon the opinion of the civilian heads of the various agencies. This Division does not have personnel sufficient to permit an independent investigation. If any guards are placed an adequate number should be provided. An insufficient guard is a waste of effort.

4. If guards are to be provided by the civilian services (Ry., Utilities, etc.) the following information will be required.

- a. Approximately how long their services will be needed.
- b. Will they be empowered to carry arms.
- c. If so, who is responsible for providing arms.
- d. Rates of authorized pay and at whose expense.

CSB/RSB
CRM.

DR

Lt. Col. S. C.
Director, Transportation & Utilities.

Wester
on

1. Electric Utilities. 54 guards - 18 posts - 3 shifts.
2. Gas Utilities. 12 guards - 4 posts - 3 shifts.
3. Highway Bridges (American Area Only) 36 guards - 12 posts - 3 shifts.

2. No suggestion for guards for water installations is made. They have not been previously guarded. It is reported that Capt. Tryon, Water Officer, Seventh Army agrees with this position.

3. These estimates are based upon the opinion of the civilian heads of the various agencies. This Division does not have personnel sufficient to permit an independent investigation. If any guards are placed an adequate number should be provided. An insufficient guard is a waste of effort.

4. If guards are to be provided by the civilian services (Ry., Utilities, etc.) the following information will be required.

- a. Approximately how long their services will be needed.
- b. Will they be empowered to carry arms.
- c. If so, who is responsible for providing arms.
- d. Rates of authorized pay and at whose expense.

CRN/EX

CRN.

L. D. DUBOIS
Lt. Col., U. S. A.
Director, Transportation
& Communications Division.

10 Oct 43.

19

Subject: Railway Guards.

Memorandum To: Dir. TCU Div.

1. In accordance with your instruction I asked the civilian railway administration to furnish their estimate of guards necessary to protect bridges, tunnels, and other vital installations.
2. They estimate that 564 guards will be necessary to protect tunnels ~~on~~ lines now in operation or that will shortly be put back in to operation. This is based upon three shifts daily of 188 men.
3. They estimate that 594 guards will be necessary to protect bridges. This is based upon three shifts of 198 men. Accompanying the estimate is a schedule showing the exact location of each bridge.
4. Altho the civilian railway administration was asked to provide information as to the number of persons necessary to guard other vital installations such as stations, warehouses, shops etc. they failed to make such an estimate. Presumably this is because they believe that the ordinary personnel on duty constantly makes no other guards necessary. In my opinion that would be true. I will ask them again to give me a specific answer to this question.

C.R.M.

$$\begin{array}{r} 564 \\ 594 \\ \hline 1158 \end{array}$$

(COMPARTIMENTO FERROVIARIO)

DI PALERMO

SEZIONE LAVORI

N°14 GALLERIE FORNITE DI POZZI O APERTURE (FINESTRE)

- 29 APERTURE -

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi $N.14 \times 2 = 28$ Aperture N. 29TOTALE N. 57 UOMINI PER OGNI TURNO

x 3

N°9 GALLERIE FORNITE DI POZZI O APERTURE (FINESTRE)

- 24 APERTURE -

RICADENTI NELLE LINEE IN ESERCIZIO

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi $N.9 \times 2 = 18$ Aperture N. 24TOTALE N. 42 UOMINI PER OGNI TURNON°15 GALLERIE PROSSIME AI CENTRI ABITATI

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi $N.15 \times 2 =$ N.30 UOMINI PER OGNI TURNO

TOTALE N. 57 UOMINI PER OGNI TURNO

x 3

N°9 GALLERIE FORNITE DI POZZI O APERTURE (FINESTRE)
- 24 APERTURE -
RICADENTI NELLE LINEE IN ESERCIZIO

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi N. $9 \times 2 = 18$

Aperture N. 24

TOTALE N. 42 UOMINI PER OGNI TURNO

N°15 GALLERIE PROSSIME AI CENTRI ABITATI

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi N. $15 \times 2 =$ N. 30 UOMINI PER OGNI TURNO

169)

N°112 GALLERIE DI LUNGHEZZA SUPERIORE A M. 100

UOMINI OCCORRENTI PER LA VIGILANZA:

Imbocchi N. $112 \times 2 =$ N. 224 UOMINI PER OGNI TURNO

N°58 GALLERIE DI LUNGHEZZA SUPERIORE A M. 100 RICADENTI NELLE LINEE IN ESERCIZIO
Imbocchi
UOMINI OCCORRENTI PER LA VIGILANZA: N. $58 \times 2 =$ N°116 UOMINI PER OGNI TURNO

Totale gallerie in esercizio $9 + 15 + 58 = 82$ - 169)

17
COMPARTIMENTO FERROVIARIO
DI PALERMO
SEZIONE LAVORI

PONTI

DI LUCE SUPERIORE
A M.12

N° 176 RICADENTI IN TUTTE LE LINEE
N° 99 RICADENTI NELLE LINEE IN ESERCIZIO

- uomini occorrenti per la vigilanza N° 98 per turno -

1693

CHARTS FILMED ON

35 MM

1005

14

Subject: Guarding Electric Utilities
To:

Maps: a. City of Palermo, GSGS #4379, 1/100,000
b. Italian Road Map, 1/200,000.

1. It is recommended that guards be maintained at the following installations of the S.G.E.S., three men at each place to provide one post each for 24 hours.

a. Resuttana Primary Substation - No. Palermo
Map a: 415-502

① ✓ b. Palermo Steam-Electric Plant
OK Via Alessandro Volta. TWO POSTS
Map a: 444-473

✓ c. Castanze Hydroelectric Plant.
OK Map b: 44-42

1695

13

d. Vasco di Carica Reservoir
 ? out Map b: 44-40

e. Canal patrol; Vasco di Carica to "Lago di Piana
 dei Greci" - Map b: 44-40 to 40-31
 (through S. Cristina)

f. Gate-house, Reservoir (near Piana dei Greci)
out Map b: 39-31

g. Pump house (Malanosc) Lago Piana dei Greci
~~out~~ Map b: 395-305

h. Dam - near Piana dei Greci
 11 or Map b: 38-30

i. Switching Substation - Palermo (SE) ^{169'}
~~out~~ Map a: 446-4515
 On Via Molini

12

j. High Voltage Substation - Salemi
OK Map b: 95-14

9. ✓ K. San Carlo Hydroelectric Plant.
OK Map b: 35-92

✓ L. Poggiolina Hydroelectric Plant.
OK Map b: 32-76
(S.W. Tiber 5 Km approx.)

13. m. Dam, Prizzi Reservoir, (Socio River)
OK Map b: 51-02
(S. and W. of Prizzi 1 Km approx.)

14. ✓ n. Dam, Gammata Reservoir
OK Map b: 43-98
(W. of Palazzo Adriano - 6 Km approx.)

2. o. ✓ Porto Empedocle Steam-elect. Plant.
OK Map b: 59-54 169?

✓ Primary Substation, Caltanissetta
~~OK~~ Map b: 07-78
 (In town)

✓ Thermal-electric (Diesel) Plant, Trapani
 Map b: 70-38
 OK (NE of center of town)

2. Guards are at present stationed at posts 9 to 11 inclusive.

~~3. In addition to the 17 posts of 8 men each, KCO assignments should be made on the basis of geographical groupings.~~

3. ~~1~~ Guards are at present maintained at properties of the Gas Co. as listed below. It is recommended that guarding of this property be continued. The present number of posts is believed to be adequate.

10

a. Gas Manufacturing Plant - Palermo
Map a - 452 - 460

b. Gas Holder - Palermo
Map a - 435 - 486.

4. ~~X~~ Guard posts are at present maintained at two points, which is considered adequate.

a. San Ciro Reservoir
Map b. 46 - 43

b. San Gabriele Springs (near Montecale)
Map b 39 - 45

5. These recommendations give a total of 22 posts with 3 men each; plus N.S.G.'s as needed by geographical distribution; total about 75 men.

For the Director U.C. & T. Div ¹⁶⁹¹ H&D AMGOT
Clair F. Bauman
Maj. C.E. - Utilities Off

Wrote to Capt. Minard

Re. Guards for R.R. Installation
(Hudon, Vermont etc)

D. K. Van Dusen with some
the above subject

Memorandum
2 Oct 43.

2 Oct Letter to Capt. Minard
f. 150

Electric
4 Oct

Capt. Reuther contacted
by 150 to get copy from
19 E
450

169

Memo to Capt Butler

Re: Guards for metal

storage power installations.

① Will you please discuss
with me the above matter?

Memorandum
208

1 Oct 43

2

Directorate from Chairman JRB.

① Contact PS re ability of
Carb. to furnish guards for Ulaten

② ~~Is it possible to furnish guards?~~

③

1689

92 Jan
61 Boston
□ Granding Vital Statistics

III

See P/S page 4 - Re Am.

HEADQUARTERS ISLAND BASE SECTION
OFFICE OF THE ENGINEER
A.P.O. #550

1 October 1943.

MEMORANDUM:

TO : Island Resources Board. Palermo.

1. The following is a list of points of military value that require guarding:

A. Highway Bridges.

- (1) Salso River Bridge at Licata on Road #115 (G 950340)
- (2) Gela River Bridge at Gela on Road #115 (H 235297)
- (3) F. Platani River Bridge 20 km. north of Raffadali on road #118 (G 536771)
- (4) E. Platani River Bridge on 2nd Class road north from Agrigento thru Casteltermini. 10 km. south of Casteltermini (G705760)
- (5) F. Eleutero River Bridge 4 km. north of Bologneta on road #121 (B 510330)
- (6) T. Belici River Bridge near Villalba R.R. Station, Road #121 (G 900965)

B. Electric Power Installations.

- ✓(1) Palermo Steam Generating Plant - Via Volta (B 444473)
- o(2) Mesultana High Voltage switching & sub station (B 415502)
- ✓(3) Casuzze Hydro Electric Generating plant in Alto Belice S.W. of Palermo Suburb of Chiavelli (B 446444)
- ✓(4) Piana dei Greci Lake Dam 6 km. S.E. Piana dei Greci. (B 390310)
- ✓(5) San Carlo Hydro Electric Generating Plant near town of San Carlo. (G 351933)
- ✓(6) Gammata Lake on Sosio River 3 km. W. of Palazzo Adriano. (G 424986)
- ✓(7) Piana dei Leoni Lake 7 km. S.E. Prizzi. (G 532978)
- ✓(8) Porto Empedocle Steam Generating Plant in town of Porto Empedocle. (G 593548)
- o(9) Favaro Hydro Electric Plant on San Carlo River, 5 km. S. of San Carlo. (G 345885) ~~not~~
- ✓(10) Poggio Diana Hydro Electric Plant approx. 8 km N. of Rivera on San Carlo River. (G 355840) (335790) ~~not~~

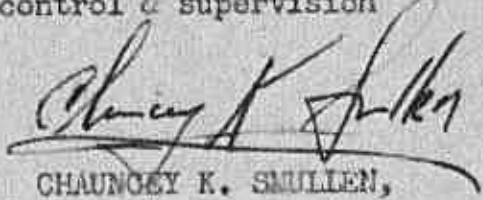
C. Palermo Water Supply System.

- (1) There are 37 points on the Palermo Aqueduct system which require constant guarding.
 - a. 10 siphons constructed across large valleys.
 - b. 5 Hydro Electric plants, 4 of which supply power to Termini & Palermo and one to Cerda.
 - c. 22 bridges all vitally important. Two of which are located at Ponte Camisini near Scillato Springs and Ponte Tre Pietre, N.E. of Termini are the most important. Destruction of these two bridges would cut off the water supply of the City of Palermo for, from 2 to 3 months in order to make necessary repairs.

out
not
covered
by
7 km

(2) Reference for above information in paragraph C., may be found in C.I.G. Report dtd. 14 September 1943. 2

D. It is recommended that the above points noted in paragraphs A., B., & C., be adequately guarded and it is requested that their guarding be placed under the control & supervision of AMGOT.


CHAUNCEY K. SMULLEN,
Lt. Colonel, C. E.,
Engineer.

1687

HEADQUARTERS
ISLAND BASE SECTION
OFFICE OF CHIEF OF TRANSPORTATION
RAIL DIVISION
APO 550

Grade required

DESCRIPTIVE LIST OF TUNNELS FROM PALERMO TO SAN STEFANO

GRADE AND
DIRECTIONS
OF INCLINE

TUNNEL LENGTH
IN MILES

KM FROM
PALERMO

PALERMO

Tunnel #1
" #2
" #3
" #4
" #5

0
23.6
23.9
24.1
25.0
35.0

.103
.024
.044
.162
.216

.0000
.0000
.0000
.005 E
.001 E

TERMINI
CEFAU

Tunnel #6
" #7
" #8
" #9
" #10
" #11
" #12
" #13
" #14
" #15
" #16
" #17
" #18

67.1
68.5
72.9
73.2
76.0
77.1
78.8
82.1
84.0
84.3
86.9
88.4
93.4

.419
1.278
.116
1.012
.171
.887
.410
1.085
.034
.336
.775
.190
.046

.008 E
.008 W
.005 E
.007 W
.007 E
.004 E
.005 W
.002 W
.002 W
.002 E
.006 W
.006 W
.0000

Stefano

98.0

List of tunnels from FIUMETORTO to LICATA:

FIUMETORTO
Tunnel #1
" #2
" #3
" #4

47.
53.3
58.8
63.4
66.3

.023
.226
.054
.032

.009 S
.002 S
.025 S
.024 S

ROCCAPALUMBA
Tunnel #5
" #6
" #7
" #8

69.0
88.6
105.8
123.6
125.2

1.329
4.020
.166
.094

.020 N
.005 N
.025 S
.019 S

CATERNIA - XIRBI
Tunnel #9

125.6
126.2

.032

.024 S
.005 S

<u>6-3-ALU</u>			
Tunnel #6	67.0	.419	.008 E
" #7	67.1	1.278	.008 W
" #8	68.5	.116	.005 E
" #9	72.9	1.012	.007 W
" #10	73.2	.171	.007 E
" #11	76.0	.887	.004 E
" #12	77.1	.410	.005 W
" #13	78.8	1.085	.002 W
" #14	82.1	.034	.002 W
" #15	84.0	.336	.002 E
" #16	84.3	.775	.006 W
" #17	86.9	.190	.006 W
" #18	88.4	.046	.0000
Stefano	93.4		
	98.0		

List of tunnels from FIUMETORTO to LICATA:

<u>FIUMETORTO</u>			
Tunnel #1	47.	.023	.009 S
" #2	53.3	.226	.002 S
" #3	58.8	.054	.025 S
" #4	63.4	.032	.024 S
	66.3		
<u>ROCCAPALUMBA</u>			
Tunnel #5	69.0		.020 N
" #6	88.6		.005 N
" #7	105.8	1.329	.025 S
" #8	123.6	.166	.019 S
	125.2	.094	
<u>CATERNIA - XIRBI</u>			
Tunnel #9	125.6	.032	.024 S
" #10	126.2	.154	.025 S
" #11	128.5	.076	.025 S
" #12	129.8	1.086	.020 S
" #13	130.0	.131	.016 N
" #14	140.1	.066	.000
	143.6		
<u>CANICATTI</u>			
Tunnel #15	154.0	.046	.007 N
" #16	173.6	.096	.019 N
" #17	176.8	.122	.001 N
" #18	177.4	.062	.020 N
" #19	179.2	.218	.025 N
" #20	179.7	.160	.019 N
" #21	180.7	.296	.019 N
	182.1		

1686

GRADE AND
DIRECTIONS
OF INCLINE

TUNNEL LENGTH
IN FLS

KM FROM
PALERMO

Tunnel #22
" #23
" #24
" #25
" #26
" #27

LICATA

List of tunnels from CANICATTI TO PORTO EMPEDOCLE

CANICATTI
Tunnel #1
" #2
" #3
" #4

ARAGONA CALDARE
Tunnel #5
" #6
" #7
" #8
" #9

PORTO EMPEDOCLE

List of tunnels from XIRBI TO BICOCCA

XIRBI
Tunnel #1
" #2
" #3
" #4
" #5
" #6
" #7
" #8
" #9
" #10
" #11
" #12
" #13
" #14

PIRATO

GERBINI

BICOCCA

List of tunnels from PALERMO TO TRAPANI & CASTELVETRANO

PALERMO

.566
.084
.646
.289
.085
.144

200.0

154.
141.5
132.7
127.3
126.6

124.5
133.3
134.9
136.8
139.0
142.0

144.0

.134
.474
.101
.114

.318
.067
.252
.140
.296

.066
.707
.098
.039
.102
.045
.462
.025
.055
.135
.885
.129
.044
.050

.020 E
.015 E
.026 E
.026 E
.026 E
.021 E
.025 E
.025 E
.025 E
.025 W
.026 W
.025 W

163.0

213.5

233.0

ARAGONA CALDARE

Tunnel #5	124.5	.318	.027 W
" #6	133.3	.067	.018 N
" #7	134.9	.252	.030 N
" #8	136.8	.140	.030 N
" #9	139.0	.296	.029 N

PORTO EMPEDOCLE

144.0

List of tunnels from XIRBI TO BICOCCA

XIRBI

Tunnel #1	134.7	.066	.020 E
" #2	135.3	.707	.015 E
" #3	143.2	.098	.026 E
" #4	143.9	.039	.026 E
" #5	144.8	.102	.026 E
" #6	145.4	.045	.026 E
" #7	146.3	.462	.021 E
" #8	147.6	.025	.025 E
" #9	147.9	.055	.025 E
" #10	148.4	.135	.025 E
" #11	150.3	.885	.025 E
" #12	152.9	.129	.025 W
" #13	134.6	.044	.026 W
" #14	160.4	.050	.025 W

PIRATO

163.0

GERBINI

213.5

BICOCCA

233.0

List of tunnels from PALERMO TO TRAPANI & CASTELVETRANO

1685

PALERMO

Tunnel #1	.0	.141	.007 E
" #2	11.9	.240	.015 E
" #3	52.7	.155	.006 W
" #4	68.4	.040	.005 W
" #5	69.1	.174	.004 W
" #5	69.9		

ALCOMO

Tunnel #6	73.0	.149	.015 W
" #7	75.6	.127	.015 W
" #8	76.0	.032	.015 W
" #9	80.4	1.005	.015 W
" #10	82.5	.066	.015 W
" #11	85.0	.088	.015 W
" #12	85.4	.86.4	.105 W
" #13	86.4	.047	.014 W
" #14	86.9	.290	.013 E
" #15	91.3	.190	.013 E
" #16	95.7	.433	.010 E
" #16	103.5		

TRAPANI

4

108

KM FROM
PALERMO

52.6
68.6
69.1
70.1
103.3
103.9
104.2
106.4

AICOMO
Tunnel

#6
#7
#8
#9
#10
#11
#12
#13

CASTELVETTERANO

108

- 3 -

104.2
106.4

" #12
" #13

CASTELNETRANO

HEADQUARTERS
ISLAND BASE SECTION
OFFICE OF CHIEF OF TRANSPORTATION
RAIL DIVISION
APO 550

BRIDGES - PALERMO TO TRAPANI

	KM FROM PALERMO	LENGTH IN METERS	GRADE & DIRECTION
<u>PALERMO</u>	.0		
<u>PARTINICO</u>	46.6		
Bridge #1	50.0	50	.014 E
" #2	69.3	40	.002 W
" #3	70.3	60	.000
" #4	72.4	30	.009 W
<u>ALCOMO</u>	78		
Bridge #5	84.2	120	.015 W
" #6	84.7	80	.015 W
" #7	85.1	100	.015 W
" #8	85.8	90	.015 W
" #9	97.2	90	.015 E
" #10	97.4	90	.015 E
" #11	99.0	210	.017 E
<u>TRAPANI</u>	120.0		

BRIDGES - ALCOMO - CASTELVETRANO - TRAPANI

<u>ALCOMO</u>	78		
Bridge #1	78.8	40	.008 W
" #2	80.5	30	.010 W
" #3	84.2	40	.009 W
" #4	85.5	20	.006 W
" #5	89.1	15	.014 W
<u>CASTELVETRANO</u>	115.0		

BRIDGES - PALERMO TO SAN STEFANO

<u>PALERMO</u>	.0		
Bridge #1	.7	40	.001 W
" #2	10.4	70	.000
" #3	19.7	60	.002 W
" #4	21.4	30	.003 E
" #5	34.2	90	.000
<u>TERMINI</u>	36.4		
Bridge #6	47.7		.000
" #7	47.7	130	.000
			1683.000

72.4 30 .009 W
78 120 .015 W
84.2 80 .015 W
84.7 100 .015 W
85.1 90 .015 W
85.8 90 .015 E
97.2 90 .015 E
97.4 90 .015 E
99.0 210 .017 E

BRIDGES - ALGOMO - CASTELVETRANO - TRAPANI

120.0

78 40 .008 W
78.8 30 .010 W
80.5 40 .009 W
84.2 20 .006 W
85.5 15 .014 W
89.1

CASTELVETRANO

BRIDGES - PALERMO TO SAN STEFANO

115.0

.0 40 .001 W
.7 70 .000
10.4 60 .002 W
19.7 30 .003 E
21.4 90 .000
34.2

36.4
47.7
47.7
53.9
57.4
168 1.000
130
30
30
100
160
40
70
90

TERMINI
Bridge #6
" #7
" #8
" #9

CEFFALU
Bridge #10
" #11
" #12
" #13
" #14

67
82.0
90.4
95.3
96.8
105.1

HEADQUARTERS
ISLAND BASE SECTION
OFFICE OF CHIEF OF TRANSPORTATION
RAIL DIVISION
APO 550

BRIDGES - LICATA TO RAGUSA

	<u>KM FROM PALERMO</u>	<u>LENGTH IN METERS</u>	<u>GRADE & DIRECTION</u>
<u>LICATA</u>			
Bridge #1	200.0	110	.000
" #2	200.3	40	.000
	216.2		
<u>LEIA</u>	235.6		
Bridge #3	236.8	30	.000
" #4	243.8	20	.014 W
" #5	244.3	20	.014 W
" #6	249.3	40	.000

RAGUSA

1682

0 6 6 3