

COMMITTENTE:



PROGETTAZIONE:



**DIRETTRICE FERROVIARIA MESSINA – CATANIA – PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA**

U.O. INFRASTRUTTURE SUD

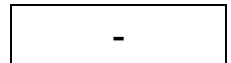
PROGETTO DEFINITIVO

TRATTA DITTAINO- CATENANUOVA

STAZIONE DI CATENANUOVA

Relazione di calcolo pensiline di banchina

SCALA:



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Gruppo Ferrovie dello Stato Italiane
Direzione Generale
UO Infrastrutture Sud
Dott. Ing. Daniele Tiberti
Ordine degli Ingegneri Prov. di Napoli n. 10378



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Stazione di Catenanuova
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1 DESCRIZIONE DELL'OPERA

Il presente documento viene emesso nell'ambito della redazione degli elaborati tecnici di progetto definitivo relativo alla tratta a semplice binario Dittaino – Catenanuova del Nuovo Collegamento Palermo – Catania. L'intera tratta Dittaino – Catenanuova ha uno sviluppo complessivo di circa 22,8 km.

In particolare la presente relazione di calcolo fa riferimento al dimensionamento e verifiche delle pensiline di banchina della Nuova Stazione di Catenanuova ubicata tra le pk. 21+095 – 21+350 circa. Nelle figure di seguito sono riportate pianta e sezione strutturale delle pensiline, estrapolate dagli elaborati di progetto.

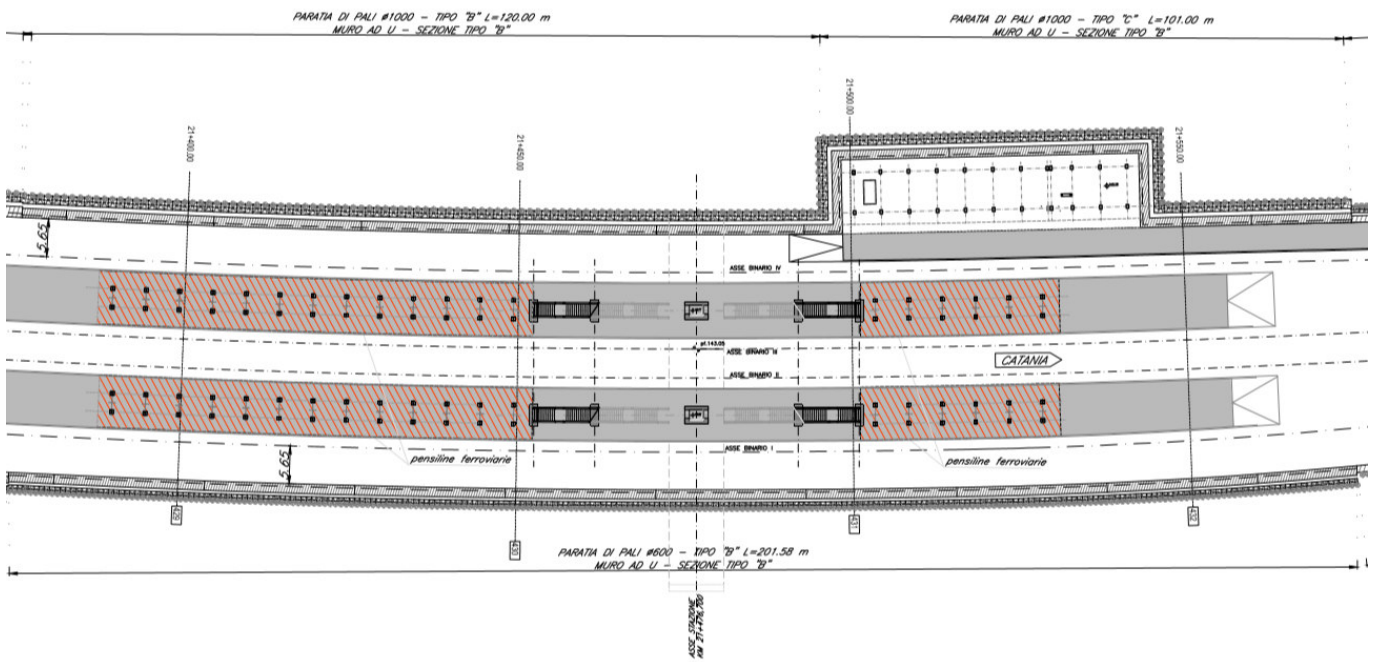


Figura 1: Pianta delle fondazioni

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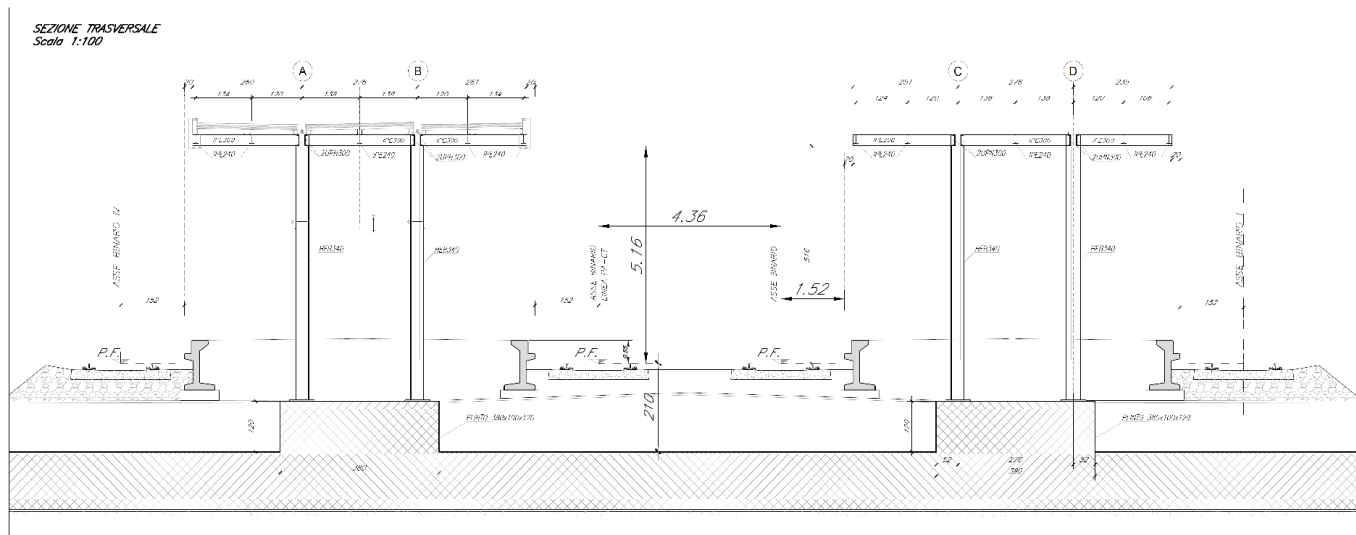


Figura 2: Sezione trasversale

Il progetto prevede la realizzazione di 4 pensiline, due per ciascun marciapiede. Su ciascun marciapiede è presente una pensilina di lunghezza pari a 65 m e una di lunghezza pari a 30 m. L'interasse longitudinale tra le colonne è pari a 5 m, mentre la larghezza trasversale massima è di 8 m. L'altezza complessiva, a partire dal piano ferro, è pari a 5.85 m.

La struttura è formata da un allineamento di portali intelaiati a travi portanti longitudinali. Dalle travi portanti longitudinali escono a sbalzo le travi a mensola trasversali sopra le quali corrono gli arcarecci longitudinali.

L'allineamento di portali è costituito da colonne in profili HEB 340 e travi trasversali realizzate con profili IPE 300. Le travi principali longitudinali sono realizzate con due UPN 300, mentre gli arcarecci longitudinali con IPE 240. Infine le mensole sono realizzate con profili IPE 300.



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2 DOCUMENTI DI RIFERIMENTO

Di seguito è riportato l'elenco delle Normative e dei Documenti assunti come riferimento per il progetto delle opere trattate nell'ambito del presente documento:

Normative e Documenti tecnici generali

- Rif. [1] Ministero delle Infrastrutture dei Trasporti, DM 14 gennaio 2008 – «Nuove Norme Tecniche per le Costruzioni»
- Rif. [2] Circolare Applicativa n 617 del 2 Febbraio 2009 - «Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. 14 gennaio 2008»
- Rif. [3] UNI 11104: Calcestruzzo: Specificazione, prestazione, produzione e conformità - Istruzioni complementari per l'applicazione della EN 206-1

Documenti Tecnici RFI e/o di ambito ferroviario

- Rif. [4] Manuale di Progettazione delle Opere Civili: PARTE I / Aspetti Generali (RFI DTC SI MA IFS 001 B – rev 22/12/2017)
- Rif. [5] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 2 / Ponti e Strutture (RFI DTC SI PS MA IFS 001 B – rev 22/12/2017)
- Rif. [6] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 3 / Corpo Stradale (RFI DTC SI CS MA IFS 001 B – rev 22/12/2017)
- Rif. [7] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 4 / Gallerie (RFI DTC SI GA MA IFS 001 B – rev 22/12/2017)
- Rif. [8] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 5 / Prescrizioni per i Marciapiedi e le Pensiline delle Stazioni Ferroviarie a servizio dei Viaggiatori (RFI DTC SI CS MA IFS 002 A – rev 30/12/2016)
- Rif. [9] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 6 / Sagome e Profilo minimo degli ostacoli (RFI DTC SI CS MA IFS 003 B – rev 22/12/2017)
- Rif. [10] Manuale di Progettazione delle Opere Civili: PARTE II – Sezione 7 / Geologia (RFI DTC SI CS GE IFS 001 A – rev 22/12/2017)
- Rif. [11] Regolamento (UE) N. 1299/2014 della Commissione del 18 novembre 2014 relativo alle specifiche tecniche di interoperabilità per il sottosistema "infrastruttura" del sistema ferroviario dell'Unione europea, modificato dal Regolamento di esecuzione (UE) N° 2019/776 della Commissione del 16 maggio 2019;
- Rif. [12] Capitolato Generale Tecnico di Appalto delle Opere Civili (RFIDTCSICSSPIFS005 B - rev 22/12/2017)

2.1 ELABORATI DI RIFERIMENTO

Costituiscono parte integrante di quanto esposto nel presente documento, l'insieme degli elaborati di progetto specifici relativi all'opera in esame e riportati in elenco elaborati.

3 CARATTERISTICHE DEI MATERIALI

Gli elementi strutturali della pensilina sono realizzati in acciaio da carpenteria S275.



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3.1 ACCIAIO DA CARPENTERIA S275

Per la valutazione delle resistenze di progetto agli SLU si adottano i coefficienti di sicurezza riportati in Tab. 4.2.VII delle NTC08:

Tab. 4.2.VII - *Coefficienti di sicurezza per la resistenza delle membrature e la stabilità*

Resistenza delle Sezioni di Classe 1-2-3-4	$\gamma_{M0} = 1,05$
Resistenza all'instabilità delle membrature	$\gamma_{M1} = 1,05$
Resistenza all'instabilità delle membrature di ponti stradali e ferroviari	$\gamma_{M1} = 1,10$
Resistenza, nei riguardi della frattura, delle sezioni tese (indebolite dai fori)	$\gamma_{M2} = 1,25$

3.1.1 Acciaio per travi, elementi saldati, piatti, profili e lamiera S275

- $E_s = 210000$ MPa modulo elastico

Per spessori $t \leq 40$ mm

- $f_{yk} = 275$ MPa resistenza caratteristica di snervamento
- $f_{tk} = 430$ MPa resistenza caratteristica a rottura

3.1.2 Bulloni

Si riporta di seguito la classe di appartenenza dei bulloni previsti e la resistenza di snervamento e di rottura delle corrispondenti viti:

Classe	f_{ib} [MPa]	f_{yb} [MPa]
8.8	800	649

3.1.3 Saldature

La saldatura degli acciai dovrà avvenire con uno dei procedimenti all'arco elettrico codificati secondo la norma UNI EN ISO 4063:2010 e dovrà rispettare il livello C dei requisiti di qualità secondo la norma UNI EN ISO 3834:2006.



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4 INQUADRAMENTO GEOTECNICO

Per l'inquadrimento Geotecnico dell'area interessata dalla realizzazione delle opere della Stazione di Catenanuova ci si è riferiti a quanto indicato nella documentazione Geotecnica Generale di Progetto.

GEOTECNICA																					
Profilo longitudinale geotecnico - Tav.14 di 15	R	S	3	E	5	0	D	7	8	F	6	G	E	0	0	0	5	0	0	8	A
Profilo longitudinale geotecnico - Tav.15 di 15	R	S	3	E	5	0	D	7	8	F	6	G	E	0	0	0	5	0	0	9	A

In corrispondenza dell'opera sono state eseguite le seguenti indagini.

INDAGINI IN SITO								
Sondaggio	Profondità [m]	Quota boccaforo [m] s.l.m.	N. prove SPT	N. campioni indisturbati	N. campioni rimaneggiati	N. campioni litoidi	Piezometro TA/prova DH	Prova Lefranc, profondità [m]
S1	30.0	148.5	8	2	5	-	TA [1-9]	5
D31	30.0	139.7	6	2	8	-	DH [30]	11.5; 14.5
D32	30.0	152.0	5	3	7	-	TA [3-30]	7.5
D33	30.0	148.0	6	4	9	-	DH [30]	-
TA [m]: profondità tratto filtrante								

Inoltre è disponibile l'indagine sismica MASWV110 e le prove Down-Hole D31 e D33.

PARAMETRI GEOTECNICI

	γ [kN/m ³]	c_u [kPa]	c' [kPa]	ϕ' [°]	V_s [m/s]	G_o [MPa]	E_o [MPa]	$E'_{op,1}$ [MPa]
bnc	19.5	75÷100	0÷5	24	170	-	150	$E_o / (3\div 5)$
bni	19.5	-	0	37	220	-	230	$E_o / (3\div 5)$
AAC	20.5	200	10	24	480-800 (**)	-	450-800	$E_o / (3\div 5)$

Dove:

γ = peso di volume naturale

c_u = resistenza al taglio in condizioni non drenate

c' = coesione drenata

ϕ' = angolo di resistenza al taglio

V_s = velocità delle onde di taglio



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G_0 = modulo di deformazione a taglio iniziale, ovvero a piccole deformazioni

E_0 = modulo di deformazione elastico iniziale, ovvero a piccole deformazioni

$E'_{op,1}$ = modulo di deformazione operativo per il calcolo dei cedimenti delle opere di sostegno e delle fondazioni dirette

$E'_{op,2}$ = modulo di deformazione operativo per il calcolo dei cedimenti dei rilevati.

(**) da prove sismiche (MASW e DH)

Si rimanda alla relazione geotecnica per ulteriori dettagli.

4.1 MODELLO GEOTECNICO DI PROGETTO

Lungo il tracciato, nel tratto in cui ricade la stazione Catenanuova si intercetta da p.c. una alternanza di alluvionali terrazzate coesive limoso argillose e incoerenti grossolane con spessore da 7 a 15 m di profondità dal p.c., che sovrastano la formazione argillosa di base (AAC).

La stratigrafia di riferimento ed il livello di falda per le varie opere verrà valutata dal profilo stratigrafico longitudinale.

Nel caso in esame:

STRATIGRAFIA 2					
Pk in (m) :	21262.15	Pk fin (m) :	21460.00	L	197.85
TERRENO	Prof. m	γ kN/m ³	c' kPa	ϕ' °	E' MPa
BNC	0 ÷ -10	19.5	5	24	30
BNI	-10.0 ÷ -12.0	19.5	0	35	80
AAC	> -12.0	20.5	10	24	120
FALDA -10.0m da PC					

5 ANALISI DEI CARICHI

Di seguito si riportano i carichi utilizzati per il calcolo delle sollecitazioni e le verifiche delle sezioni della struttura in esame.



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5.1 Carichi statici

5.1.1 *Peso proprio della struttura*

Le sollecitazioni indotte dal peso della struttura sono valutate automaticamente dal programma a partire dal peso specifico dell'acciaio assunto pari a 78.50 kN/m³.

5.1.2 *Carichi permanenti non strutturali*

I pesi permanenti portati dal solaio di copertura della pensilina (copertura a sandwich della pensilina composta da lamiera grecata inferiore in acciaio zincato, materassino di lana minerale spess. 4cm; lamiera zincata esterna spess. 8/10mm) sono stati valutati assumendo cautelativamente: $p=1.5 \text{ KN/m}^2$

Pertanto le azioni sui singoli elementi della copertura sono pari a:

Si assume cautelativamente: $q = 1.5 \text{ kN/m}^2$

Il carico a metro lineare applicato sulle travi di copertura sarà quindi pari a :

$$G_2 = q \cdot i_t$$

i_t : Interasse travi secondarie di copertura

5.1.3 *Carico da neve*

Di seguito si riportano i valori dei coefficienti assunti per il calcolo del carico da neve sull'edificio ricadente in zona 3 e avente quota del suolo sul livello del mare pari a 170 m:

$$q_s = \mu_i \cdot q_{sk} \cdot C_E \cdot C_t$$

$$q_{sk} = 0.60 \text{ kN/m}^2$$

$$C_E = 1$$

$$C_t = 1$$

$$\mu = 0.8$$

$$q_s = 0.48 \text{ kN/m}^2$$



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5.1.4 Carico da vento

Di seguito si riportano i valori dei coefficienti assunti per il calcolo del carico da vento:

$$p = q_r \cdot c_e \cdot c_p \cdot c_d$$

La struttura ricade in zona 3, pertanto:

$$v_{b,0} = 28 \text{ m/s}$$

$$a_0 = 500 \text{ m}$$

$$a_s = 170 \text{ m}$$

$$c_a = 1$$

$$v_b = 28 \text{ m/s}$$

$$c_r = 1$$

$$v_r = 28 \text{ m/s}$$

$$\rho = 1.25 \text{ kg/m}^3$$

$$q_r = 0.5 \cdot \rho \cdot v_r^2 = 0.49 \text{ kN/m}^2$$

Il coefficiente di esposizione c_e è stato calcolato considerando che la *rugosità del terreno* è riconducibile alla *classe D* definita al paragrafo 3.3.7 delle NTC 2008 e che il sito sorge a una altitudine inferiore ai 500 m, dunque la *categoria di esposizione del sito* oggetto di intervento è la II cui corrispondono i seguenti parametri:

$$k_r = 0.19$$

$$z_0 = 0.05$$

$$z_{\min} = 4$$

Da cui si ricavano i seguenti coefficienti di esposizione:

$$c_e = 2.1$$

Il coefficiente dinamico c_d è assunto cautelativamente pari a 1.

Il coefficiente di pressione c_F delle falde delle pensiline, secondo quanto previsto al paragrafo C3.3.8.2.2 di **Errore. L'origine riferimento non è stata trovata.**, è pari a:

$$c_F = 0.5$$

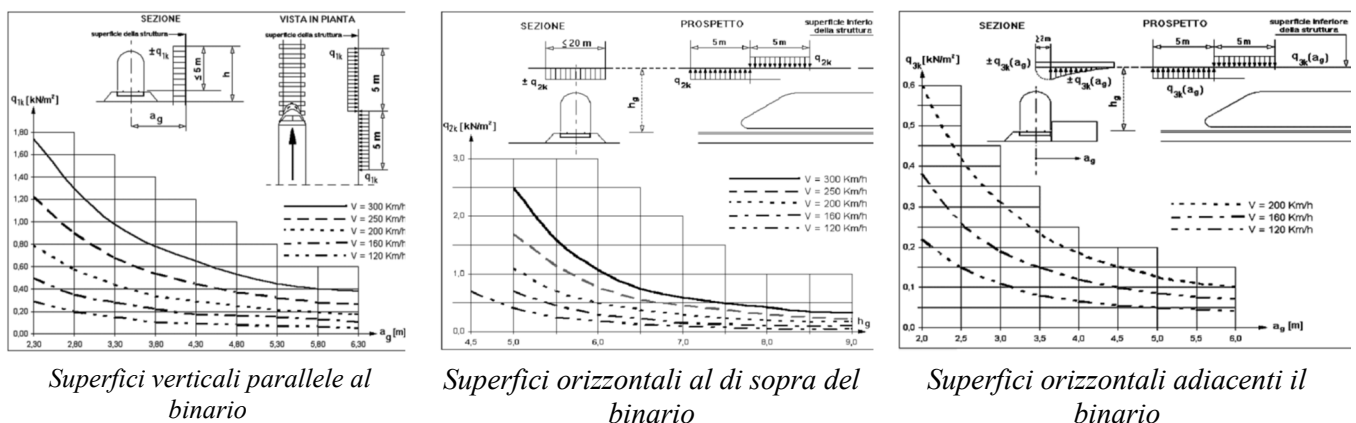
Da cui si ricavano i seguenti valori della forza del vento:

$$F = q_p(z) L^2 c_F = 10 \text{ kN}$$

dove L^2 rappresenta l'area di una falda.

5.1.5 Azione aerodinamica dovuta al passaggio del treno

Il passaggio dei convogli ferroviari induce sulle superfici situate in prossimità della linea ferroviaria onde di pressione e depressione secondo gli schemi riportati nel seguito:



Dai grafici riportati si deduce che le azioni q_{1k} , q_{2k} e q_{3k} dipendono principalmente dalla velocità del treno e dalla distanza della struttura dal binario. Nel caso della stazione di Catenanuova la velocità massima dei treni è pari a 160 Km/h. La stazione include due binari di corsa e due binari di servizio. È stato considerato il caso di passaggio del treno sul binario di corsa. Tale caso produce un'azione aerodinamica in direzione Z sulle falde della pensilina adiacenti al binario.

Tale azione è stata considerata cautelativamente costante e pari a:

$$p_{v \text{ treno } Z} = 0.38 \text{ kN/m}^2 \text{ sulla falda adiacente al passaggio del treno}$$

La norma **Errore. L'origine riferimento non è stata trovata.** prescrive che le azioni aerodinamiche siano cumulate con l'azione del vento. L'azione risultante deve essere maggiore di un valore minimo, funzione della velocità della linea e comunque di 1,5 kN/m² sia nella verifica agli SLE (combinazione caratteristica) sia nella verifica agli SLU con $\gamma_Q = 1,00$ e $\gamma_{Qi} = 1,00$.

Nel caso in esame la somma dell'azione del vento di zona e del vento dovuto al passaggio dei treni risulta inferiore ad 1.5. Dunque le due azioni sono state incrementate per raggiungere il valore prescritto. Conseguentemente i valori delle azioni adottati nelle analisi sono i seguenti:

$$p_{v \text{ di zona}} = 0.81 \text{ kN/m}^2$$

$$p_{v \text{ treno}} = 0.69 \text{ kN/m}^2$$



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5.2 AZIONE SISMICA

Il valore dell'accelerazione orizzontale massima in condizioni sismiche è stato definito in accordo con le norme vigenti. Secondo tali norme, l'entità dell'azione sismica è innanzitutto funzione della sismicità dell'area in cui viene costruita l'opera e del periodo di ritorno dell'azione sismica.

L'opera viene progettata in funzione di una vita nominale pari a 75 anni [NTC – 2.4.1] relativa a “opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale” e rientra nella classe d'uso III [NTC – 2.4.2] relativa a “costruzioni il cui uso preveda affollamenti significativi”. Moltiplicando la vita nominale per il coefficiente di classe d'uso [definito in NTC – Tabella 2.4.II] si valuta il periodo di riferimento per l'azione sismica:

$$V_R = V_N \cdot C_u = 75 \cdot 1.5 = 112.5 \text{ anni}$$

In funzione dello stato limite rispetto al quale viene verificata l'opera, si definisce una probabilità di superamento P_{VR} nel periodo di riferimento. Per il progetto dell'opera in esame si farà essenzialmente riferimento allo stato limite di salvaguardia della vita (SLV), a cui è associata una P_{VR} pari al 10% [NTC – Tabella 3.2.I]. Nota la probabilità di superamento nel periodo di riferimento è possibile valutare il periodo di ritorno T_R , come previsto nell'allegato A alle norme tecniche per le costruzioni, secondo la seguente espressione:

$$T_R = -\frac{V_R}{\ln(1 - P_{VR})} = -\frac{112.5}{\ln(1 - 0.10)} = 1068 \text{ anni}$$

In funzione del periodo di ritorno e delle coordinate del sito, la norma fornisce i seguenti parametri su sito di riferimento rigido orizzontale:

- a_g accelerazione orizzontale massima al sito;
- F_0 valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
- T_c^* periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale.

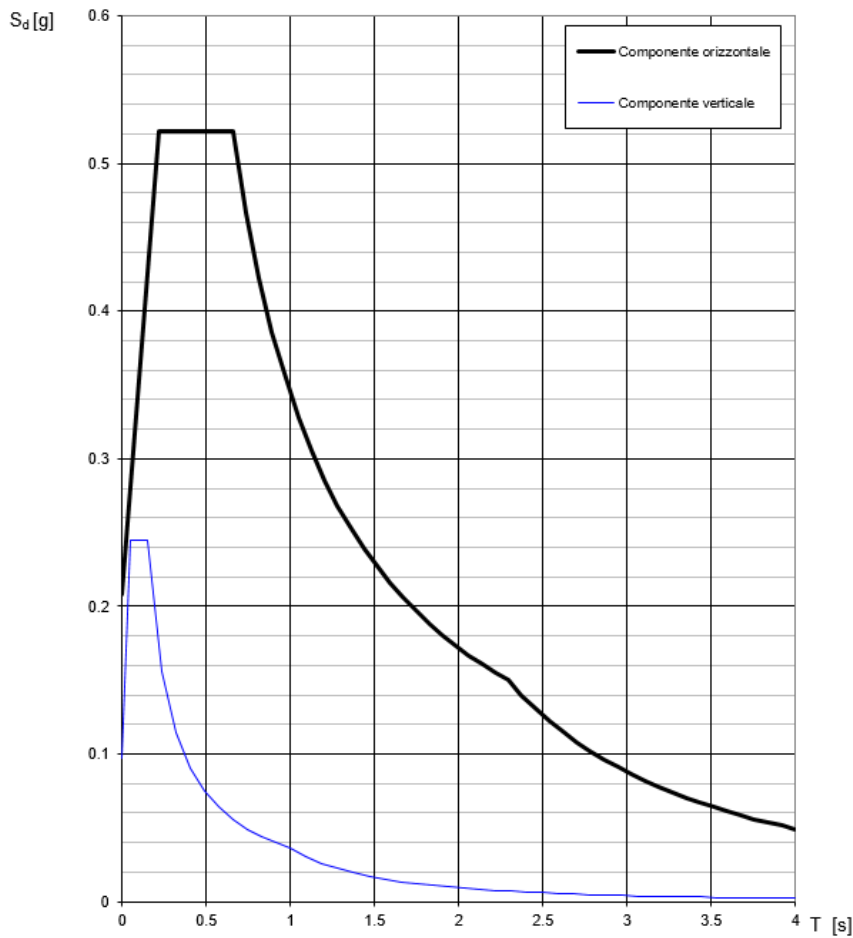
Ai fini della definizione dell'azione sismica di progetto, si rende necessario valutare l'effetto della risposta sismica locale mediante specifiche analisi. In assenza di tali analisi, per la definizione dell'azione sismica si può fare riferimento ad un approccio semplificato, che si basa sull'individuazione di categorie di sottosuolo e categorie topografiche di riferimento. Nel caso in esame, la categoria di suolo di fondazione è stata definita sulla base della conoscenza di $V_{s,30}$, ricavato dalle indagini sismiche eseguite nelle campagne geognostiche. In particolare, nel caso in esame, cautelativamente, si considera una categoria di suolo di tipo B. Per quanto riguarda le condizioni topografiche, si può far riferimento ad una superficie pianeggiante (categoria T1).

Di seguito si riportano i parametri e il grafico relativi allo spettro ottenuto.

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Spettri di risposta (componenti orizz. e vert.) per lo stato limite: SLV



Parametri indipendenti

STATO LIMITE	SLV
a_g	0.173 g
$F_{0.4}$	2.509
T_C	0.526 s
S_S	1.200
C_C	1.251
S_T	1.000
q	1.000

Parametri dipendenti

S	1.200
η	1.000
T_B	0.219 s
T_C	0.658 s
T_D	2.294 s

Figura 3: Spettro di risposta elastico e parametri sismici

5.3 COMBINAZIONE DELLE AZIONI

Ai fini della determinazione delle sollecitazioni di verifica, le azioni elementari descritte al precedente paragrafo, vanno combinate nei vari stati limite di verifica previsti (Esercizio, Stati limite Ultimo statico e Sismico) in accordo a quanto previsto al punto 2.5.3 delle NTC2008.

Di seguito si riportano per maggiore chiarezza le espressioni generali dei criteri di combinazione delle azioni:

- Combinazione fondamentale generalmente impiegata per gli stati limite ultimi (SLU):
 $\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \dots$
- Combinazione caratteristica (rara) generalmente impiegata per gli stati limite di esercizio (SLE) irreversibili:
 $G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \dots$
- Combinazione frequente generalmente impiegata per gli stati limite di esercizio (SLE) reversibili; utilizzata nella verifica a Fessurazione:
 $G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$
- Combinazione quasi permanente generalmente impiegata per gli stati limite di esercizio (SLE) a lungo termine;
 $G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$
- Combinazione sismica. impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E:
 $E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \dots$

dove:

$$E = \pm 1.00 \times EY \pm 0.30 \times EZ \text{ oppure } E = \pm 0.30 \times EY \pm 1.00 \times EZ$$

avendo indicato con EY e EZ rispettivamente le componenti orizzontale e verticale dell'azione sismica

I coefficienti γ e ψ , desunti dalla normativa per i carichi in esame, sono di seguito riepilogati.

Gruppo	Tipo	γ	Ψ_0	Ψ_1	Ψ_2
Perm-Strutt	Permanente	1.35			
Perm-NON-Strutt	Permanente	1.5			
Neve (<100mslm)	Accidentale	1.5	0	0	0
Vento	Accidentale/mobile	1.5	0.6	0.5	0
eff.Aerod	Accidentale/mobile	1.5	0.8	0.5	0
Sisma	Sismico	1			

Pertanto le combinazioni di carico considerate in fase di analisi sono quelle riportate nella tabella seguente.

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	COMBINAZIONI	Perm-Strutt	Perm-NON-Strutt	Neve	Vento	eff. Aerod	Sisma x	Sisma y
3	1_SLU	1.35	1.5	1.5	0.9	1.2	-	-
	2_SLU	1.35	1.5	0	1.5	1.2	-	-
	3_SLU	1.35	1.5	0	0.9	1.5	-	-
5	1_SLE (RARA)	1	1	1	0.6	0.8	-	-
7	2_SLE (RARA)	1	1	0	1	0.8	-	-
	3_SLE (RARA)	1	1	0	0.6	1	-	-
9	1_SLE (FREQ.)	1	1	0	0.5	0.5	-	-
12	1_SLE (Q.P.)	1	1	0	0	0	-	-
13	Sismica_X	1	1	0	0	0	1	0.3
14	Sismica_Y	1	1	0	0	0	0.3	1



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6 CRITERI DI VERIFICA

6.1 VERIFICHE DI RESISTENZA

Le verifiche di resistenza, condotte sulle membrature delle strutture in acciaio progettate, seguono le indicazioni per il calcolo agli stati limite illustrate nel capitolo 4.2.4 dell'NTC 2008.

La resistenza di calcolo delle membrature R_d si pone nella forma:

$$R_d = \frac{R_k}{\gamma_M}$$

R_k è il valore caratteristico della resistenza – trazione, compressione, flessione, taglio e torsione – della membratura, determinata dai valori caratteristici della resistenza dei materiali f_{yk} e dalle caratteristiche geometriche degli elementi strutturali, dipendenti dalla classe della sezione.

γ_M è il fattore parziale globale relativo al modello di resistenza adottato. Di seguito è riportata la tabella 4.2.VII in cui sono indicati i valori di γ_M prescritti dalle NTC 2008.

Resistenza delle Sezioni di Classe 1-2-3-4	$\gamma_{M0} = 1,05$
Resistenza all'instabilità delle membrature	$\gamma_{M1} = 1,05$
Resistenza all'instabilità delle membrature di ponti stradali e ferroviari	$\gamma_{M1} = 1,10$
Resistenza, nei riguardi della frattura, delle sezioni tese (indebolite dai fori)	$\gamma_{M2} = 1,25$

Nel seguito, per ciascun tipo di sollecitazione agente, sono forniti i modelli resistenti utilizzati per le verifiche delle membrature. Tali modelli derivano dalle prescrizioni delle normative citate e sono implementati nel software di calcolo utilizzato per modellare la struttura.

Trazione

La resistenza di calcolo a trazione è calcolata mediante la seguente espressione:

$$N_{pl,Rd} = \frac{Af_y}{\gamma_{M0}}$$

Compressione

La resistenza di calcolo a compressione è data da:

$$N_{c,Rd} = \frac{Af_y}{\gamma_{M0}} \text{ per le sezioni di classe 1, 2 e 3}$$

$$N_{c,Rd} = \frac{A_{eff} f_y}{\gamma_{M0}} \quad \text{per le sezioni di classe 4}$$

Flessione monoassiale

La resistenza di calcolo a flessione retta vale:

$$M_{c,Rd} = M_{pl,Rd} = \frac{W_{pl} f_y}{\gamma_{M0}} \quad \text{per le sezioni di classe 1 e 2}$$

$$M_{c,Rd} = M_{el,Rd} = \frac{W_{el,min} f_y}{\gamma_{M0}} \quad \text{per le sezioni di classe 3}$$

$$M_{c,Rd} = \frac{W_{eff,min} f_y}{\gamma_{M0}} \quad \text{per le sezioni di classe 4}$$

per le sezioni di classe 3, $W_{el,min}$ è il modulo resistente elastico minimo della sezione in acciaio; per le sezioni di classe 4, invece, il modulo $W_{eff,min}$ è calcolato eliminando le parti della sezione inattive a causa dei fenomeni di instabilità locali, secondo il procedimento esposto in UNI EN1993-1-5, e scegliendo il minore tra i moduli così ottenuti.

Taglio

La resistenza di calcolo a taglio, in assenza di torsione è pari a:

$$V_{pl,Rd} = \frac{A_v (f_y / \sqrt{3})}{\gamma_{M0}}$$

Dove A_v è l'area resistente a taglio che è calcolata in accordo a quanto indicato dalla 6.2.6 (3) della EN1993-1. Per profili a I e a H, caricati nel piano dell'anima, si può assumere $A_v = A - 2b t_f + t_w + 2r t_f$.

Torsione

Le verifiche a torsione sono eseguite calcolando le tensioni tangenziali nei punti significativi della sezione.

In particolare, per sezioni aperte (Saint Venant):

$$\tau_T = \frac{T \cdot s}{J_t}$$

per sezioni chiuse (Bredt):

$$\tau_T = \frac{T}{2 \cdot \Omega \cdot s}$$

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Nella ricerca della tensione tangenziale τ_{Ed} massima le tensioni derivanti dalla torsione sono sommate a quelle dovute agli sforzi taglianti.

$$\frac{\tau_{V1,Ed} + \tau_{V2,Ed} + \tau_{T,Ed}}{f_y / (\sqrt{3}\gamma_{M0})} \leq 1$$

Flessione e taglio

Se il taglio di calcolo V_{Ed} è inferiore a metà della resistenza di calcolo a taglio $V_{c,Rd}$ si può trascurare l'influenza del taglio sulla resistenza a flessione.

Se il taglio di calcolo V_{Ed} è superiore a metà della resistenza di calcolo a taglio $V_{c,Rd}$ bisogna tener conto dell'influenza del taglio sulla resistenza a flessione. Per le sezioni ad I o ad H di classe 1 e 2 doppiamente simmetriche, soggette a flessione e taglio nel piano dell'anima, la corrispondente resistenza convenzionale di calcolo a flessione retta è valutata come:

$$M_{y,V,Rd} = \frac{\left[W_{pl,y} - \frac{\rho \cdot A_v^2}{4t_w} \right] f_{yk}}{\gamma_{M0}} \leq M_{y,c,Rd}$$

Per gli altri casi invece è usata l'espressione:

$$M_{V,Rd} = (1 - \rho) M_{c,Rd}$$

dove:

$$\rho = \left(\frac{2V_{ED}}{V_{pl,Rd}} - 1 \right)^2$$

Presso o tenso flessione retta

Per le sezioni ad I o ad H di classe 1 e 2 doppiamente simmetriche, soggette a presso o tenso flessione nel piano dell'anima, la corrispondente resistenza convenzionale di calcolo a flessione retta è valutata come:

$$M_{N,y,Rd} = M_{pl,y,Rd} (1-n) / (1-0,5 a) \leq M_{pl,y,Rd}$$

Per le sezioni ad I o ad H di classe 1 e 2 doppiamente simmetriche, soggette a presso o tenso flessione nel piano delle ali, la corrispondente resistenza convenzionale di calcolo a flessione retta è valutata come:

$$M_{N,z,Rd} = M_{pl,z,Rd} \text{ per } n \leq a,$$

$$\text{o } M_{N,z,Rd} = M_{pl,z,Rd} \left[1 - \left(\frac{n-a}{1-a} \right)^2 \right] \text{ per } n > a$$

essendo $M_{pl,y,Rd}$ il momento resistente plastico a flessione semplice nel piano dell'anima, $M_{pl,z,Rd}$ il momento resistente plastico a flessione semplice nel piano delle ali e posto:



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$$n = N_{Ed} / N_{plRd}$$

$$a = (A - 2 b t_f) / A \leq 0,5$$

dove:

A è l'area lorda della sezione,

b è la larghezza delle ali,

t_f è lo spessore delle ali.

Per sezioni generiche di classe 1 e 2 la verifica si conduce controllando che il momento di progetto sia minore del momento plastico di progetto, ridotto per effetto dello sforzo normale di progetto, $M_{N,y,Rd}$.

Presso o tenso flessione biassiale

Per le sezioni ad I o ad H di classe 1 e 2 doppiamente simmetriche, la condizione di resistenza può essere valutata come:

$$\left[\frac{M_{y,Ed}}{M_{N,y,Rd}} \right]^\alpha + \left[\frac{M_{z,Ed}}{M_{N,z,Rd}} \right]^\beta \leq 1$$

Con $\alpha=2$ e $\beta=5n \geq 1$

Nel caso in cui sia $b < 1$ e per sezioni generiche di classi 1, 2, 3 e 4 si utilizza l'espressione:

$$\frac{N_{Ed}}{N_{Rd}} + \frac{M_{y,Ed}}{M_{y,Rd}} + \frac{M_{z,Ed}}{M_{z,Rd}} \leq 1$$

Flessione, taglio e sforzo assiale

Nel caso in cui il taglio di calcolo, V_{Ed} , sia inferiore al 50% della resistenza di calcolo a taglio $V_{c,Rd}$, la resistenza a flessione della sezione può essere calcolata con le formule per la tenso/presso flessione. Se la sollecitazione di taglio supera il 50% della resistenza a taglio, nelle formule fornite per la presso, tenso flessione i momenti $M_{pl,y,Rd}$ and $M_{pl,z,Rd}$ sono sostituiti da $M_{y,v,Rd}$ e $M_{z,v,Rd}$.

6.2 VERIFICHE DI STABILITÀ

Le verifiche di stabilità di elementi metallici compressi sono condotte seguendo le prescrizioni del § 4.2.4.1.3 delle NTC 2008. La norma prevede di cautelarsi dagli effetti di sbandamento assiale nelle direzioni 1 e 2 e sbandamento flesso torsionale (LT = lateral torsional) tramite i coefficienti di riduzione.

L'asta compressa è verificata se vengono soddisfatte le seguenti disuguaglianze:

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$$\frac{N_{Ed}}{\chi_1 N_{b,Rd}} + k_{yy} \frac{M_{1,Ed}}{\chi_{LT} M_{1,b,Rd}} + k_{yz} \frac{M_{2,Ed}}{M_{2,b,Rd}} \leq 1$$

$$\frac{N_{Ed}}{\chi_2 N_{b,Rd}} + k_{zy} \frac{M_{1,Ed}}{\chi_{LT} M_{1,b,Rd}} + k_{zz} \frac{M_{2,Ed}}{M_{2,b,Rd}} \leq 1$$

dove:

N_{Ed} , $M_{1,Ed}$ ed $M_{2,Ed}$ sono le sollecitazioni massime sulla trave; $N_{b,Rd}$, $M_{b,1,Rd}$ ed $M_{b,2,Rd}$ sono le sollecitazioni resistenti calcolate; χ sono i coefficienti di riduzione per instabilità flessionale e torsionale; k_{yy} , k_{yz} , k_{zy} , k_{zz} sono i fattori di interazione calcolati secondo il metodo fornito nell'Annex A in EN 1993-1-1:2005.

$N_{b,Rd}$, $M_{b,Rd}$ sono calcolati mediante le seguenti formule:

$$N_{b,Rd} = \frac{\chi^A f_y}{\gamma_{M1}} \quad \text{per sezioni di classe 1, 2 e 3}$$

$$N_{b,Rd} = \frac{\chi^{A_{eff}} f_y}{\gamma_{M1}} \quad \text{per sezioni di classe 4}$$

$$M_{b,Rd} = \chi_{LT} W_y \frac{f_y}{\gamma_{M1}}$$

Con: $W_y = W_{pl,y}$ per sezioni di classe 1 o 2; $W_y = W_{el,y}$ per sezioni di classe 3; $W_y = W_{eff,y}$ per sezioni di classe 4.

Per definire i singoli coefficienti χ è necessario calcolare la snellezza equivalente $\bar{\lambda}$ e il coefficiente Φ , funzioni del carico critico e dell'imperfezione del materiale.

$$\bar{\lambda} = \sqrt{\frac{A \cdot f_y}{N_{cr}}}$$

$$\Phi = 0.5 \cdot [1 + \alpha(\bar{\lambda} - 0.2) + \bar{\lambda}^2]$$

$$\chi = \frac{1}{\Phi + \sqrt{\Phi^2 - \bar{\lambda}^2}} \leq 1$$

In maniera del tutto equivalente è calcolato il valore di χ_{LT} :

$$\bar{\lambda}_{LT} = \sqrt{\frac{W \cdot f_y}{M_{cr}}}$$

$$\Phi_{LT} = 0.5 \cdot [1 + \alpha_{LT}(\bar{\lambda}_{LT} - 0.2) + \bar{\lambda}_{LT}^2]$$



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$$\chi_{LT} = \frac{1}{\Phi_{LT} + \sqrt{\Phi_{LT}^2 - \bar{\lambda}_{LT}^2}} \leq 1$$

I carichi critici sono calcolati mediante le relazioni:

$$N_{cr} = \frac{\pi^2 EI}{L_e^2}$$

$$M_{cr} = C_1 \frac{\pi^2 EI_z}{l_{cr,LT}^2} \sqrt{\frac{I_w}{I_z} + \frac{l_{cr,LT}^2 GI_t}{\pi^2 EI_z}}$$

dove:

$$G = \frac{E}{2(1+\nu)}$$

$$I_w = \frac{I_z(h-t_f)^2}{4}$$

C_1 è un coefficiente che dipende dalla distribuzione del momento lungo l'elemento ed è tabulato in EN 1993-1-1:1992.

Nel caso in cui λ sia minore di 0,2 oppure nel caso in cui la sollecitazione di calcolo N_{Ed} sia inferiore a $0,04N_{cr}$, gli effetti legati ai fenomeni di instabilità per le aste compresse possono essere trascurati.

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6.3 VERIFICHE DI DEFORMABILITÀ

Con riferimento al paragrafo 4.2.4.2.2 delle NTC. 2008 sono adottati i seguenti limiti superiori degli spostamenti verticali della struttura:

Copertura	$\delta_v/L = 1/250$
Colonne	$\delta_o/h = 1/300$

7 MODELLAZIONE STRUTTURALE

7.1 CODICE DI CALCOLO

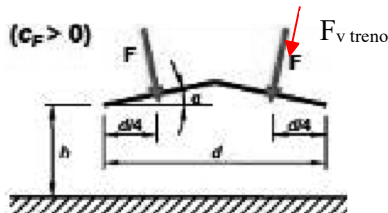
La struttura oggetto della presente relazione è stata modellata e analizzata mediante il software Midas Gen 2019 v1.2. Un attento esame preliminare della documentazione a corredo del software ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore del software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. Ad ogni modo i risultati delle elaborazioni sono stati sottoposti a controlli dallo scrivente. Il "check" ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

7.2 MODELLO DI CALCOLO

Il modello utilizzato nell'analisi strutturale è di tipo spaziale. Gli elementi strutturali travi e colonne sono modellati come elementi monodimensionali rettilinei che congiungono due nodi.

Il modello è stato considerato incastrato alla base.

I carichi permanenti non strutturali e quelli accidentali sono stati applicati direttamente come pesi a metro lineare sulle mensole. Il carico dovuto al vento è stato distribuito sulle falde della pensilina scegliendo la distribuzione più gravosa tra quelle previste dalla normativa, schematizzata nella seguente figura:



Di seguito è rappresentato il modello geometrico della struttura:

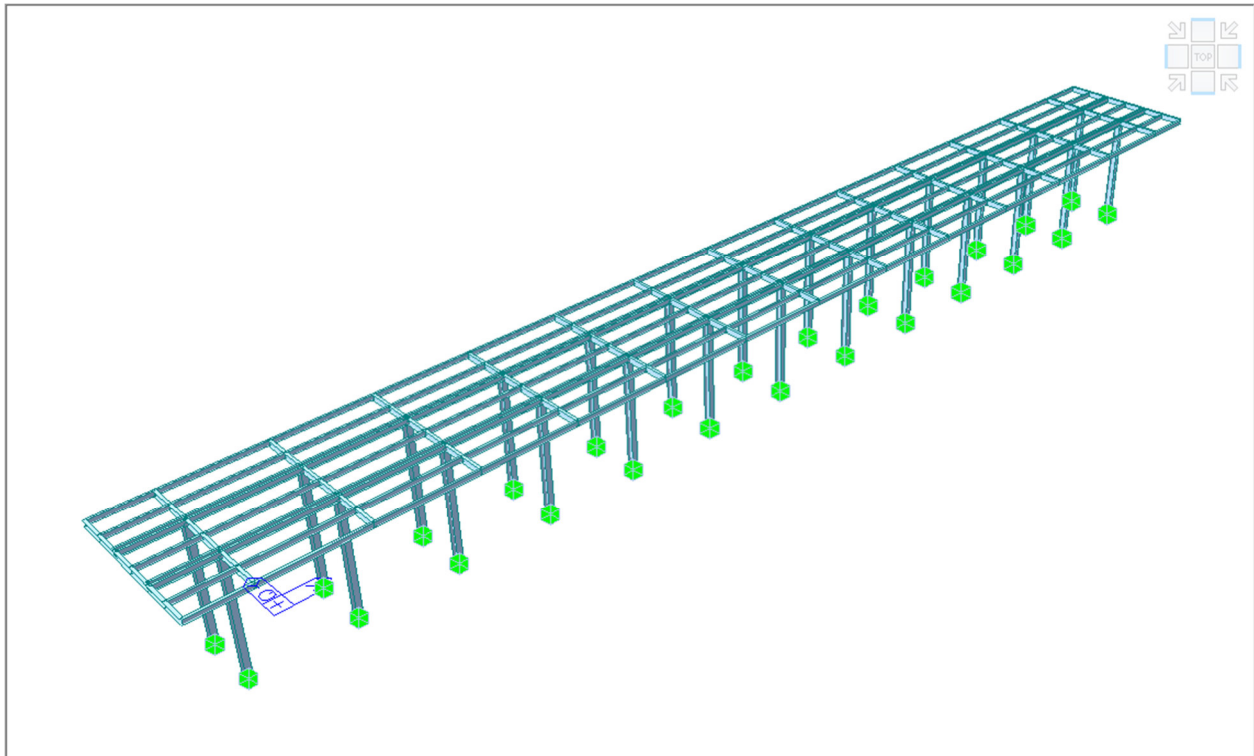


Figura 4: Modello strutturale – vista 3D

7.3 RISPOSTA MODALE

Si riportano i modi di vibrare principali della pensilina con i relativi periodi e masse partecipanti.

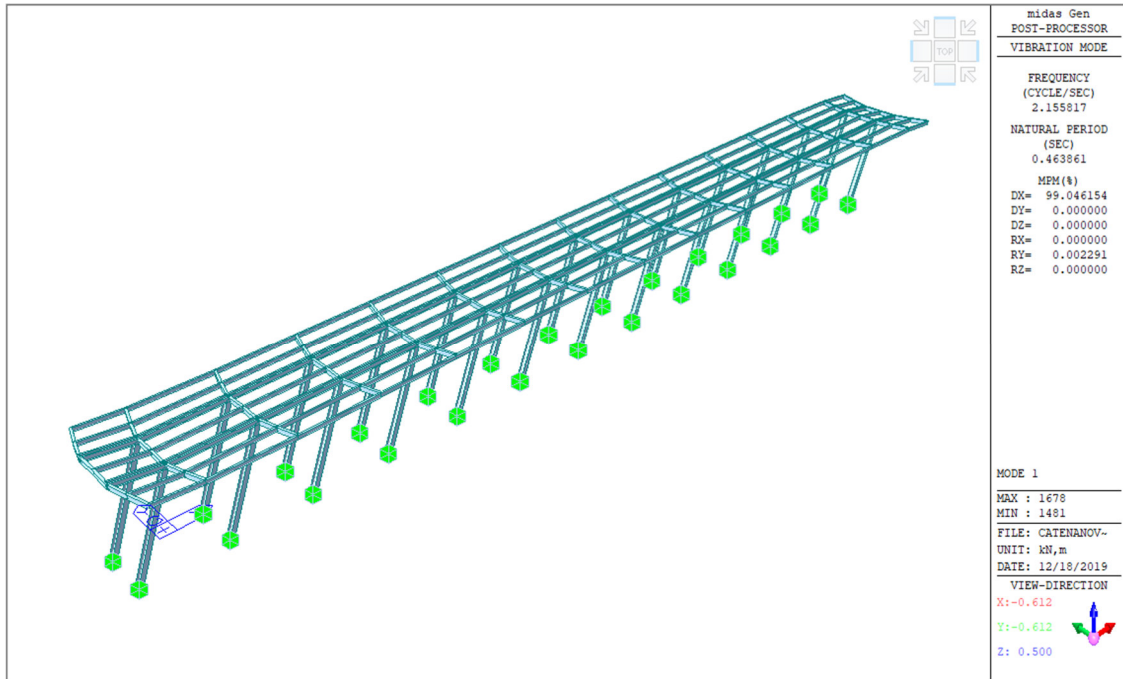


Figura 5: Modo 1

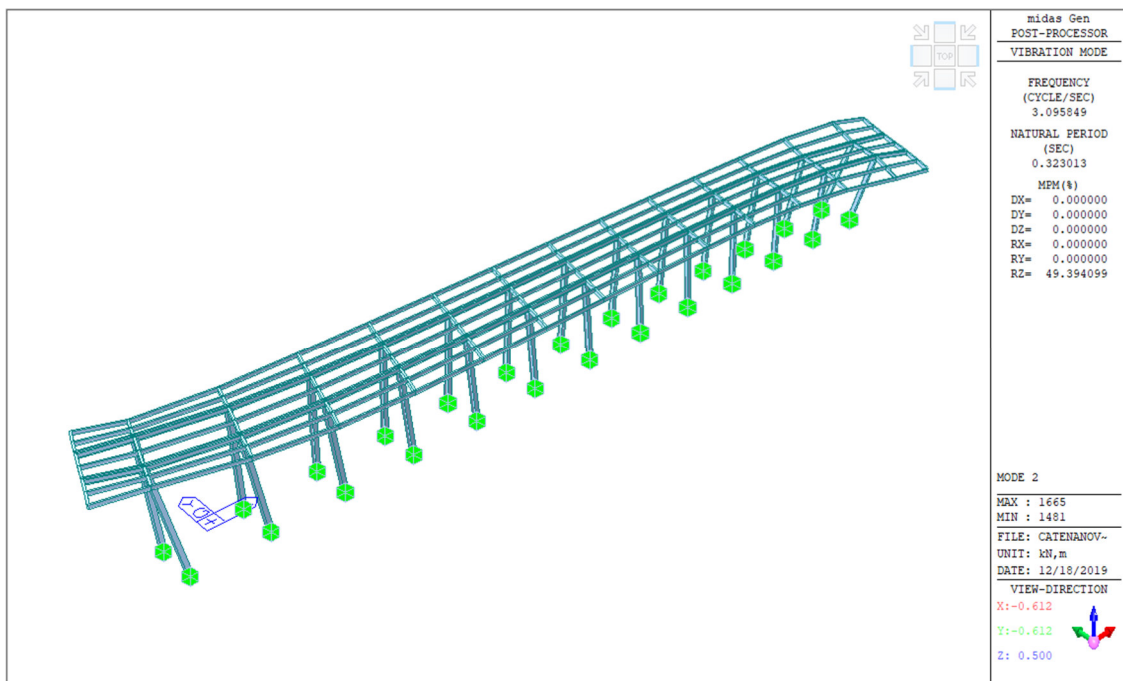


Figura 6: Modo 2



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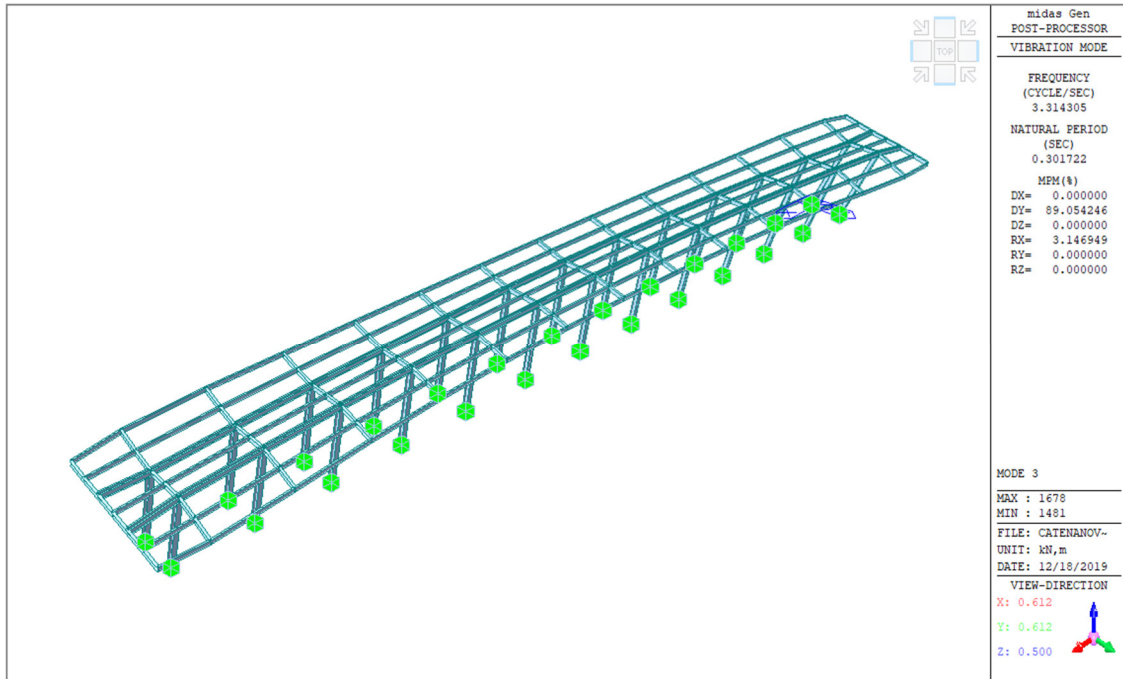


Figura 7: Modo 3

8 RISULTATI DELLE ANALISI

8.1 ANALISI STATICA LINEARE PER CARICHI VERTICALI

8.1.1 Diagrammi delle sollecitazioni allo stato limite ultimo

Di seguito si riportano i diagrammi delle sollecitazioni ottenuti per la combinazione fondamentale (SLU).

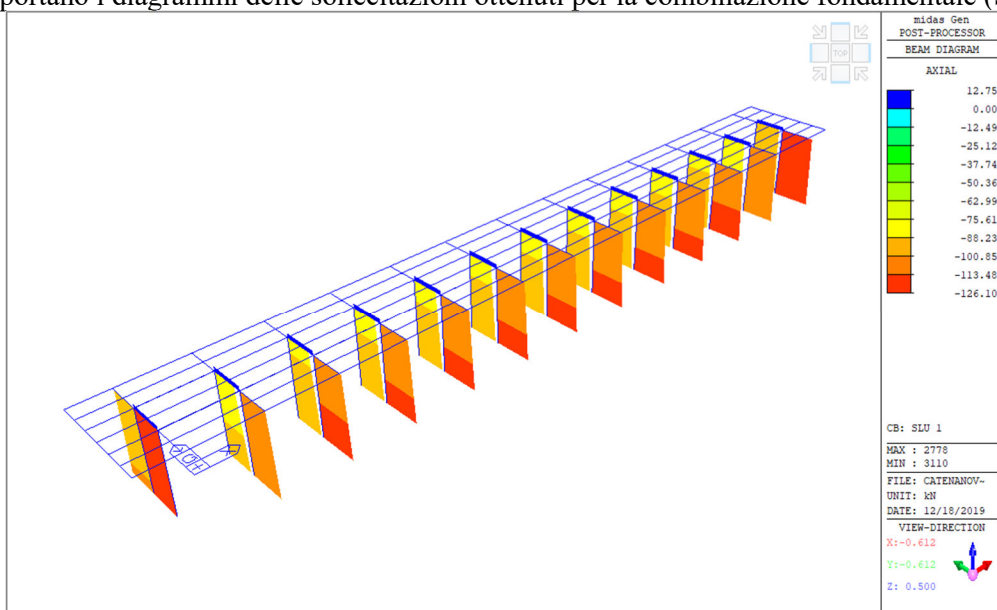


Figura 8: Sforzo assiale in combinazione SLU 1

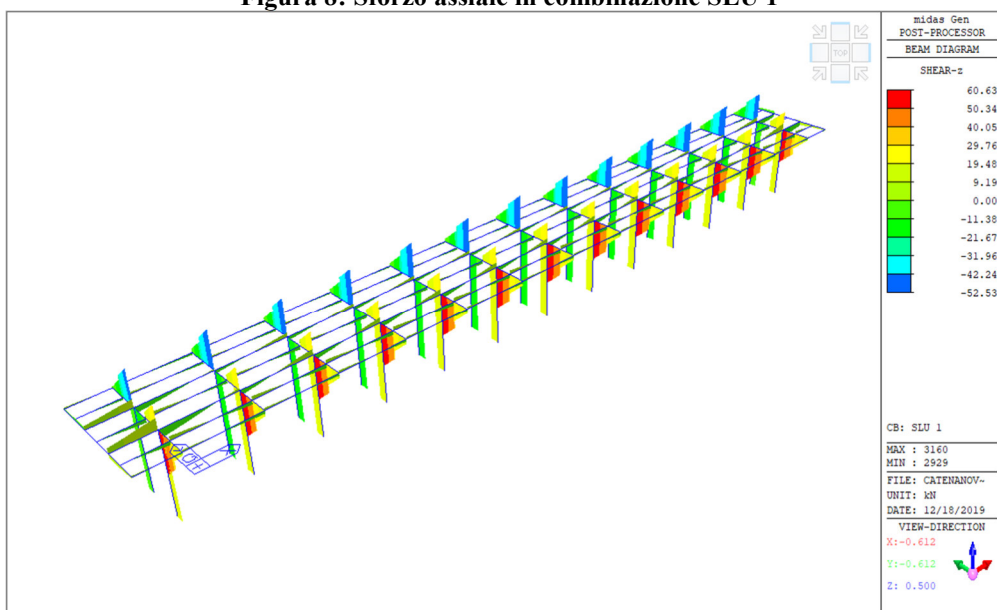


Figura 9: Taglio in combinazione SLU 1

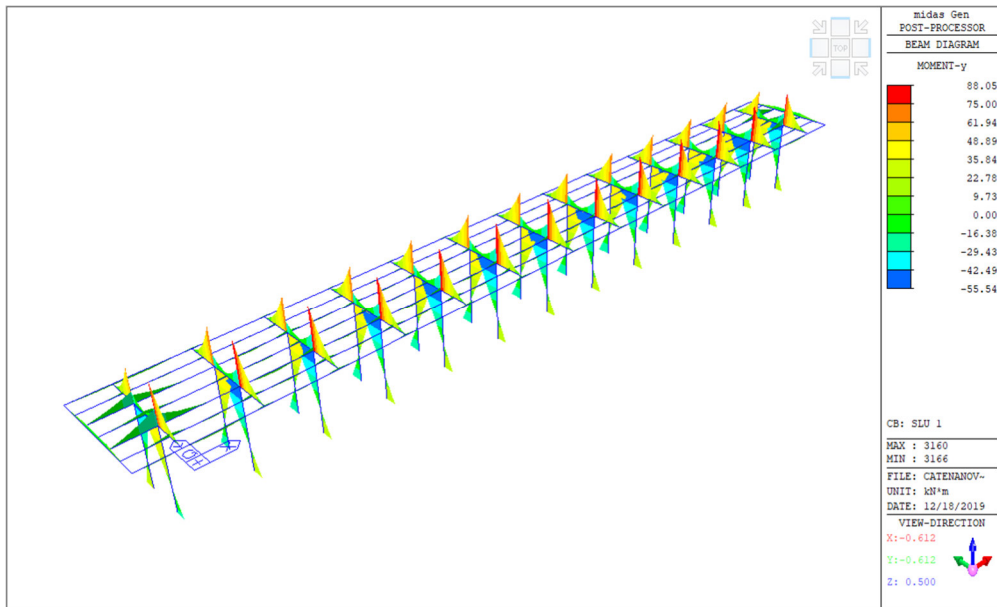


Figura 10: Momento flettente in combinazione SLU 1

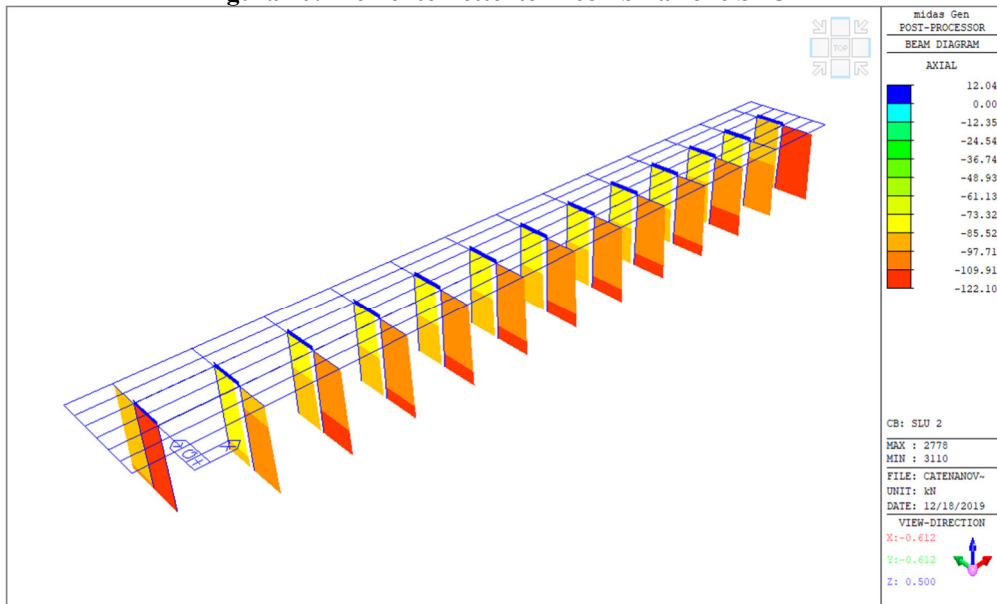


Figura 11: Sforzo assiale in combinazione SLU 2

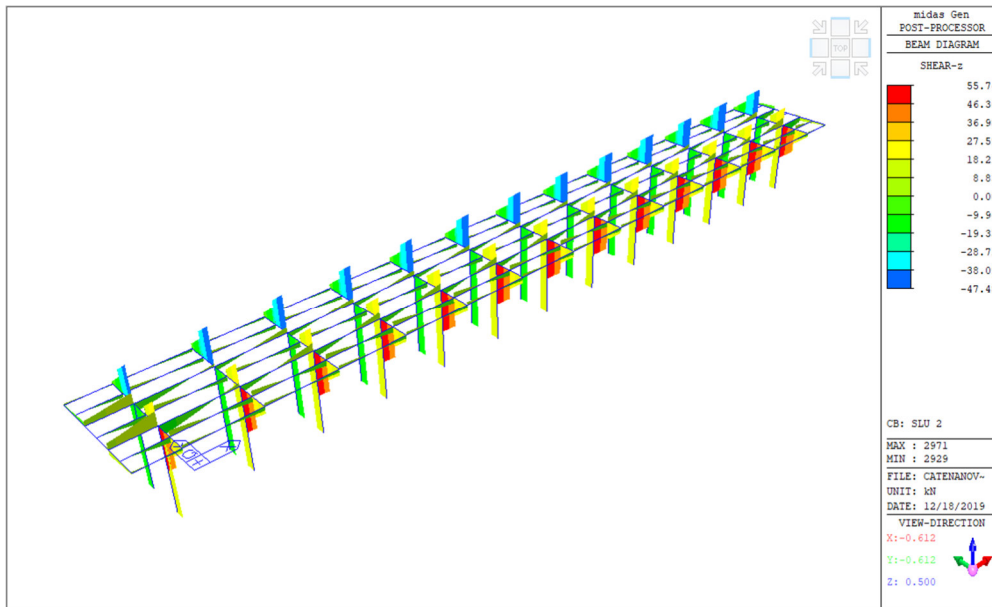


Figura 12: Taglio in combinazione SLU 2

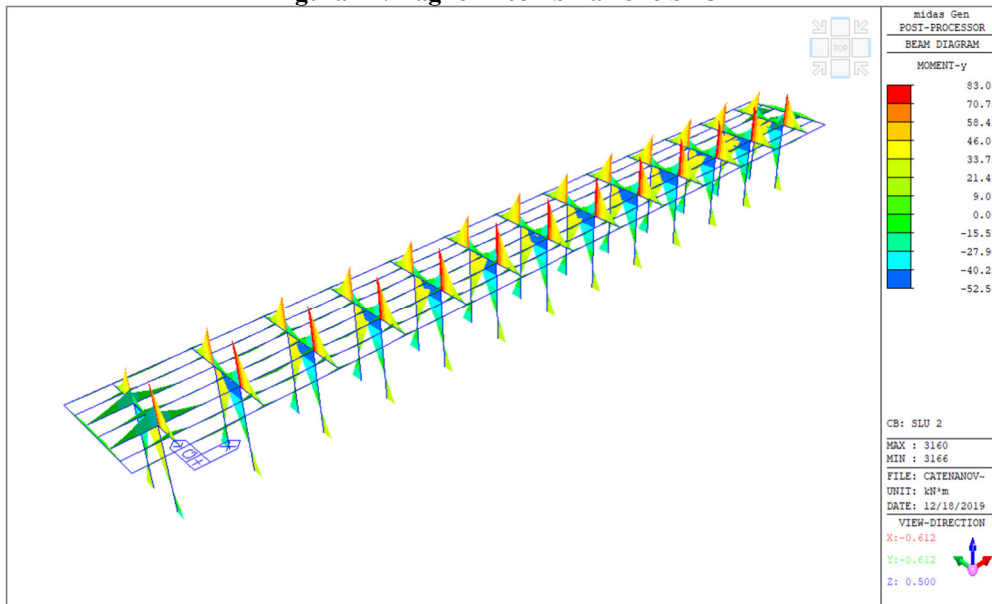


Figura 13: Momento flettente in combinazione SLU 2

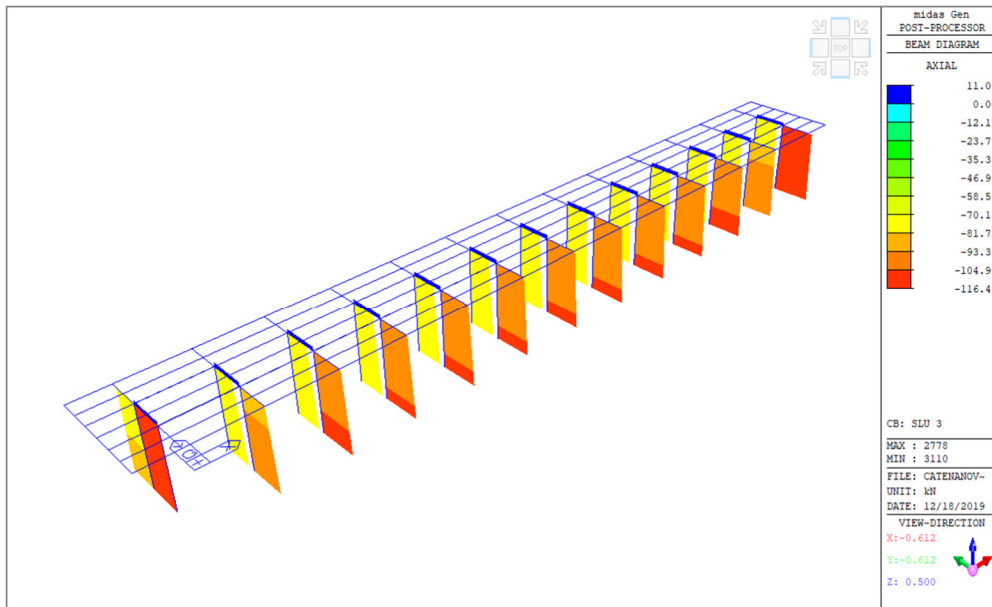


Figura 14: Sforzo assiale in combinazione SLU 3

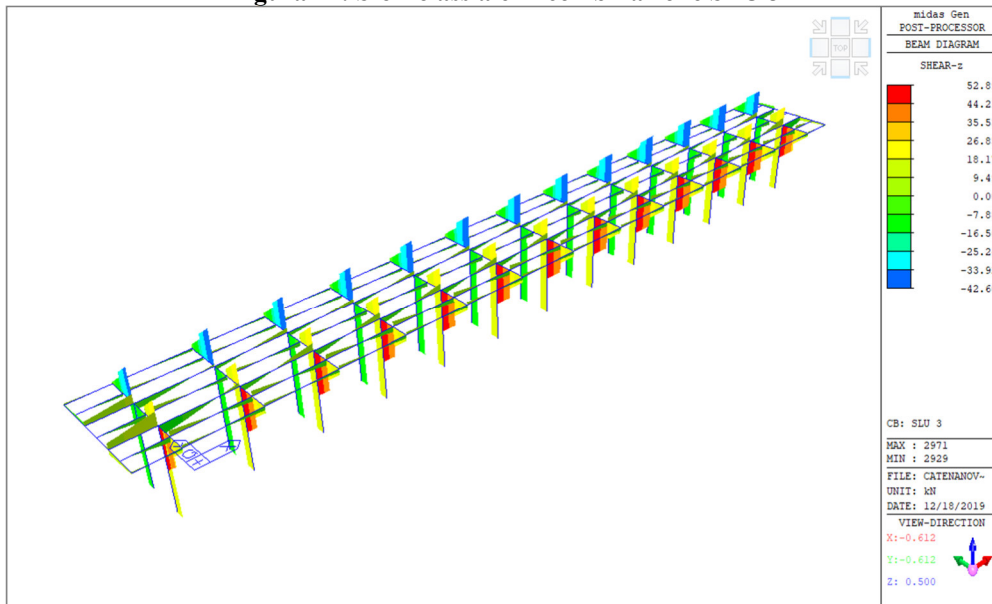


Figura 15: Taglio in combinazione SLU 3

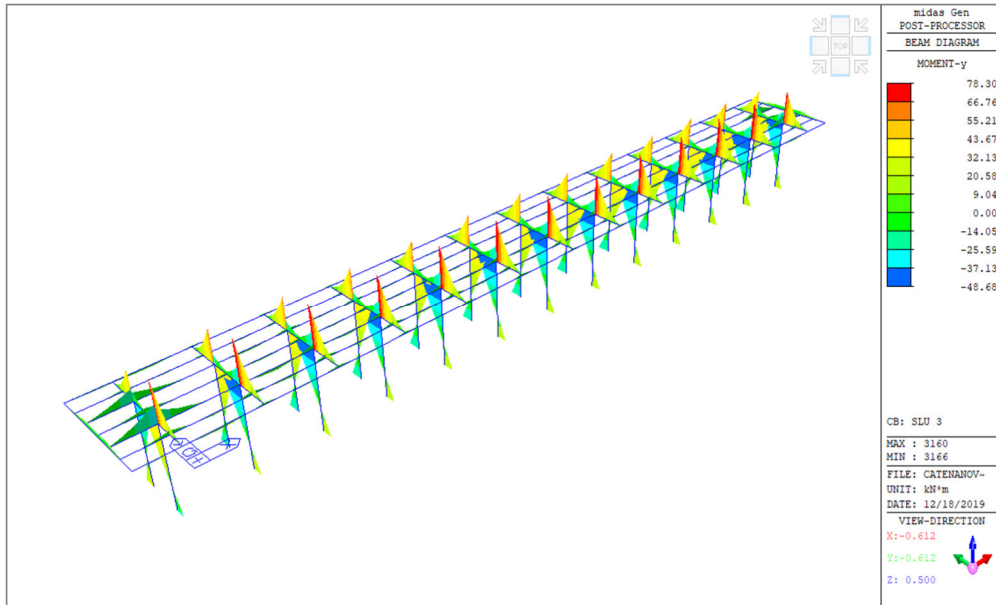


Figura 16: Momento flettente in combinazione SLU 3

8.1.2 Diagrammi degli spostamenti allo stato limite di esercizio

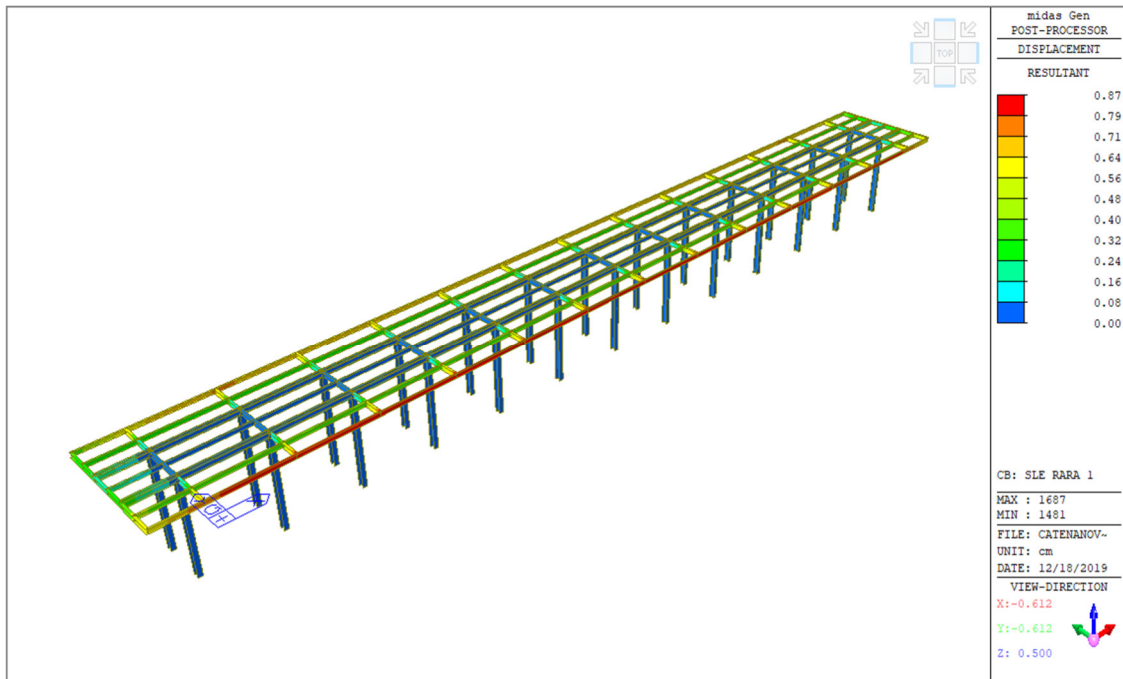


Figura 17: Spostamenti in combinazione SLE rara 1

Stazione di Catenanuova
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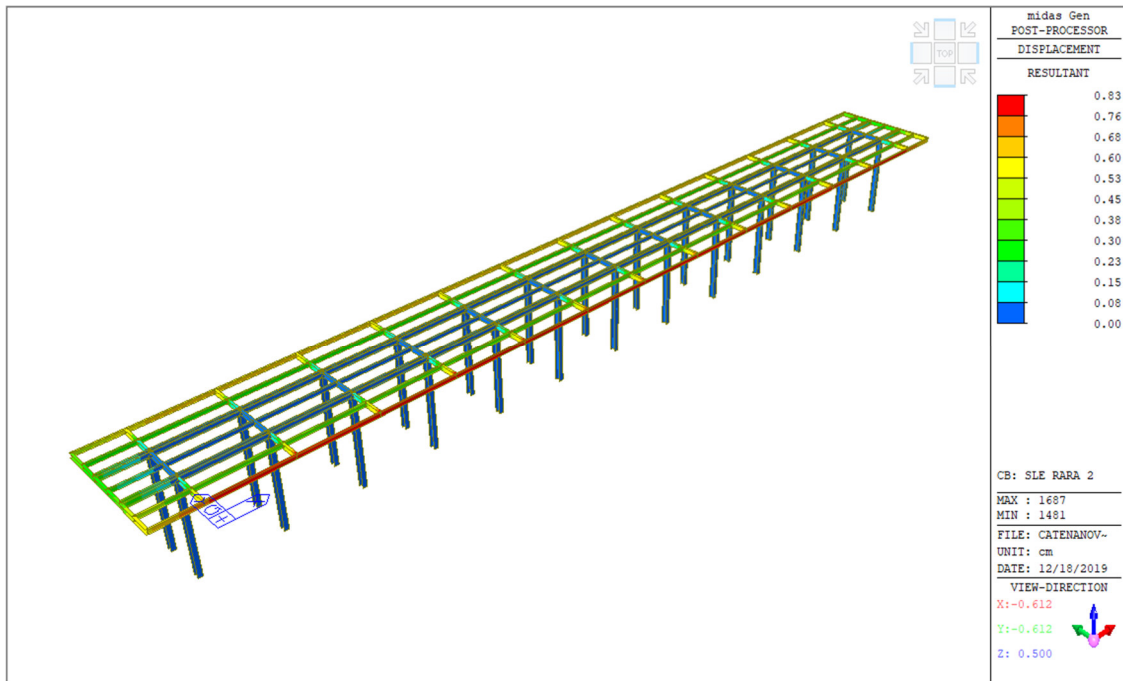


Figura 18: Spostamenti in combinazione SLE rara 2

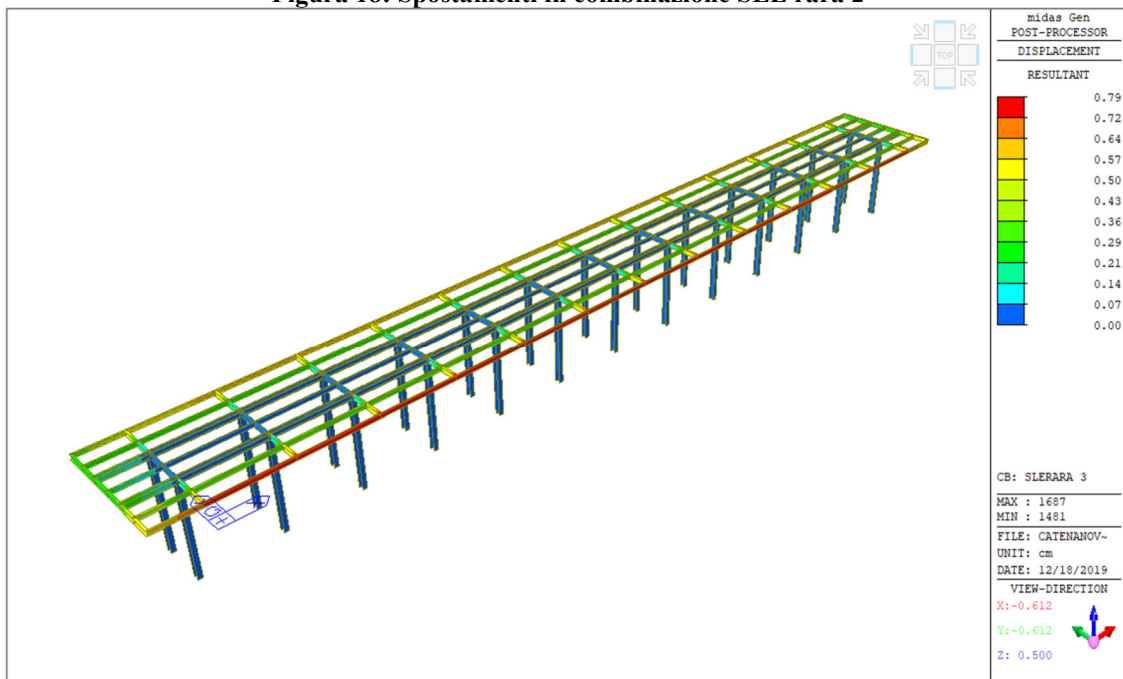


Figura 19: Spostamenti in combinazione SLE rara 3

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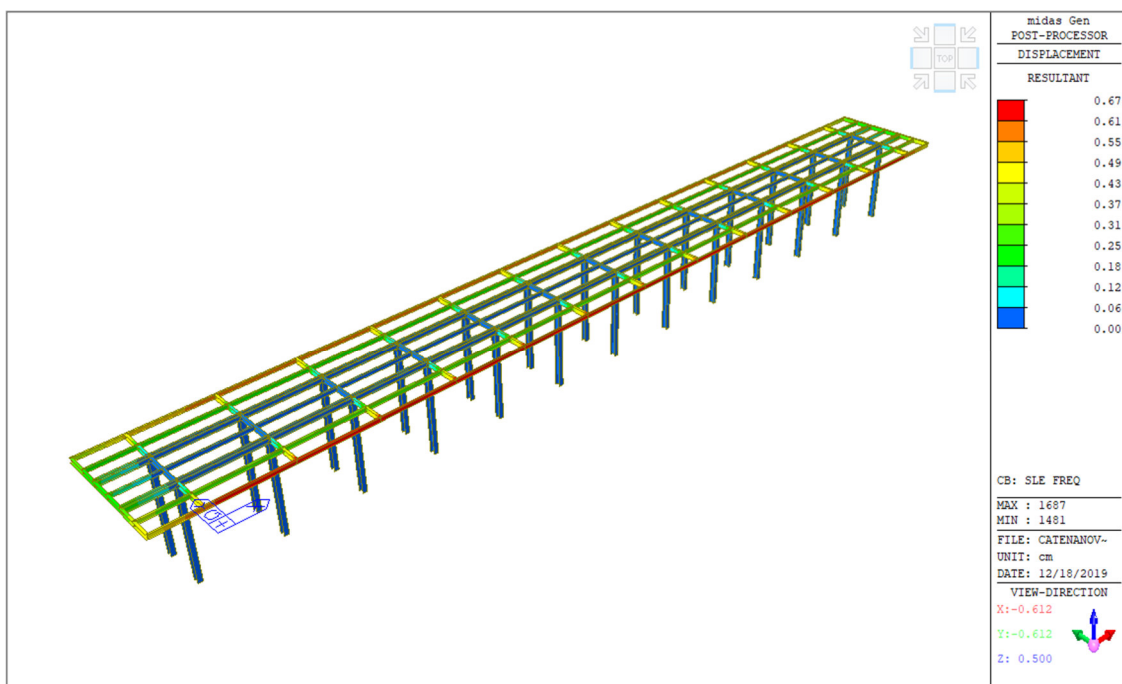


Figura 20: Spostamenti in combinazione SLE frequente

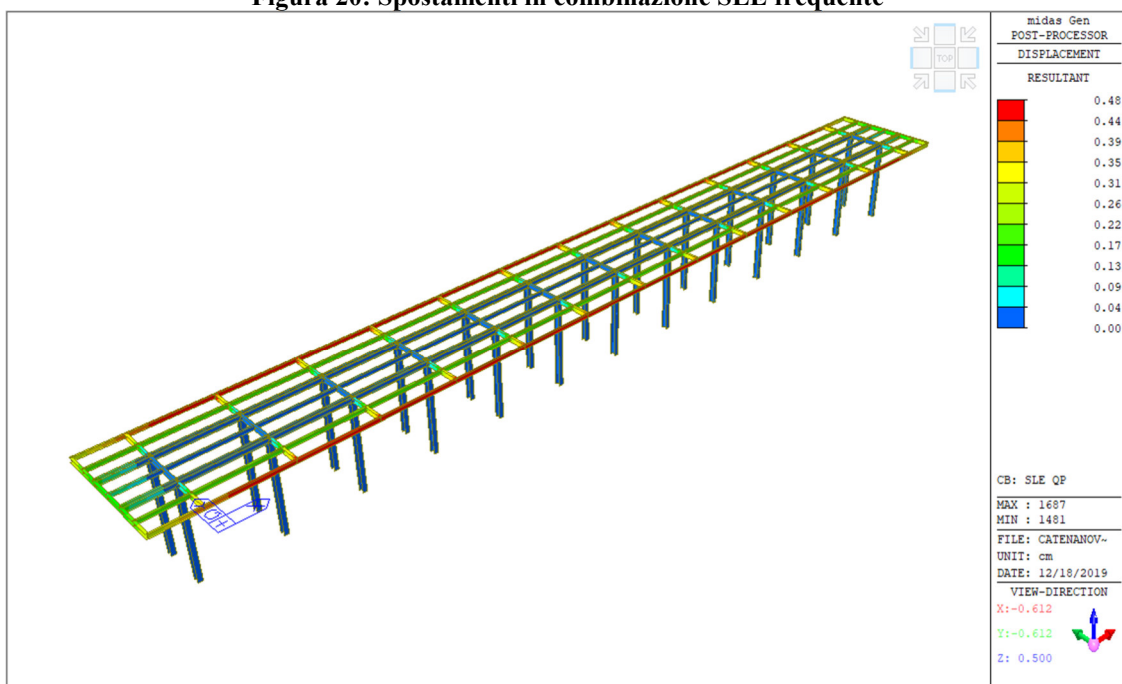


Figura 21: Spostamenti in combinazione SLE quasi permanente

8.2 ANALISI DINAMICA A SPETTRO DI RISPOSTA

L'analisi dinamica a spettro di risposta consiste:

- nella determinazione dei modi di vibrare della costruzione (analisi modale);
- nel calcolo degli effetti dell'azione sismica, rappresentata dallo spettro di risposta di progetto, per ciascuno dei modi di vibrare individuati;
- nella combinazione di questi effetti.

Per ciascuna componente di moto, applicata separatamente, devono essere considerati tutti i modi con massa partecipante superiore al 5% e comunque un numero di modi la cui massa partecipante totale sia superiore all' 85%. Nel caso in esame l'analisi è stata condotta adottando cautelativamente lo spettro di risposta elastico. La combinazione degli effetti è stata calcolata automaticamente dal programma di calcolo adottando il metodo CQC. Gli effetti ottenuti dall'analisi dinamica lineare eseguita sul modello vengono combinati secondo le prescrizioni di normativa per tener conto della variabilità spaziale del moto.

Gli effetti ottenuti dall'analisi dinamica lineare a spettro di risposta di progetto sono combinati secondo le seguenti espressioni:

$$SLV_x: G_k + \Psi 2i \cdot Q_{ki} + (1,00 \cdot E_x + 0,30 \cdot E_y)$$

$$SLV_y: G_k + \Psi 2i \cdot Q_{ki} + (0,30 \cdot E_x + 1,00 \cdot E_y)$$

Si riportano di seguito i diagrammi delle sollecitazioni, relative alle combinazioni in direzione longitudinale e trasversale.

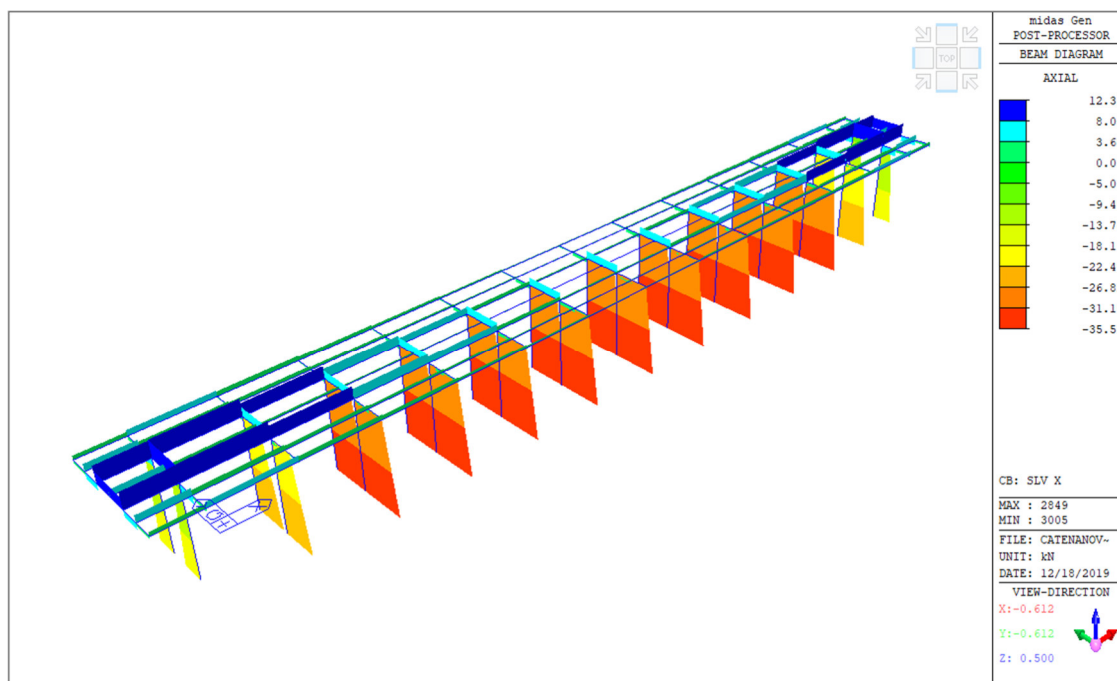


Figura 22: Sforzo assiale in combinazione SLV_x

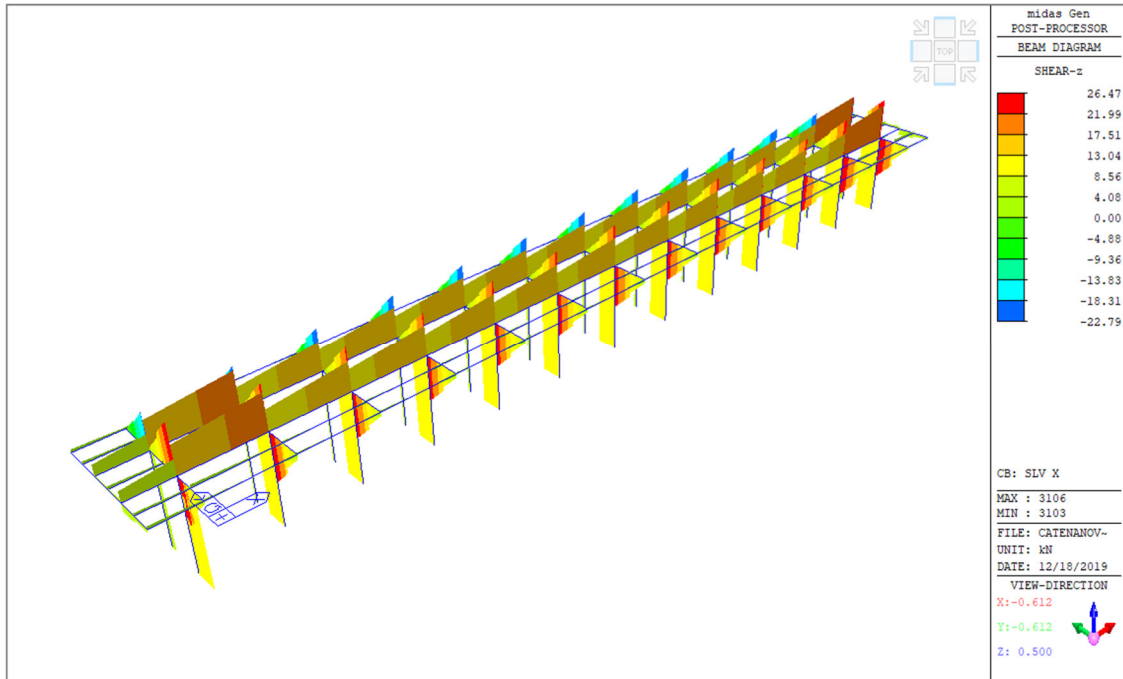


Figura 23: Taglio in combinazione SLVx

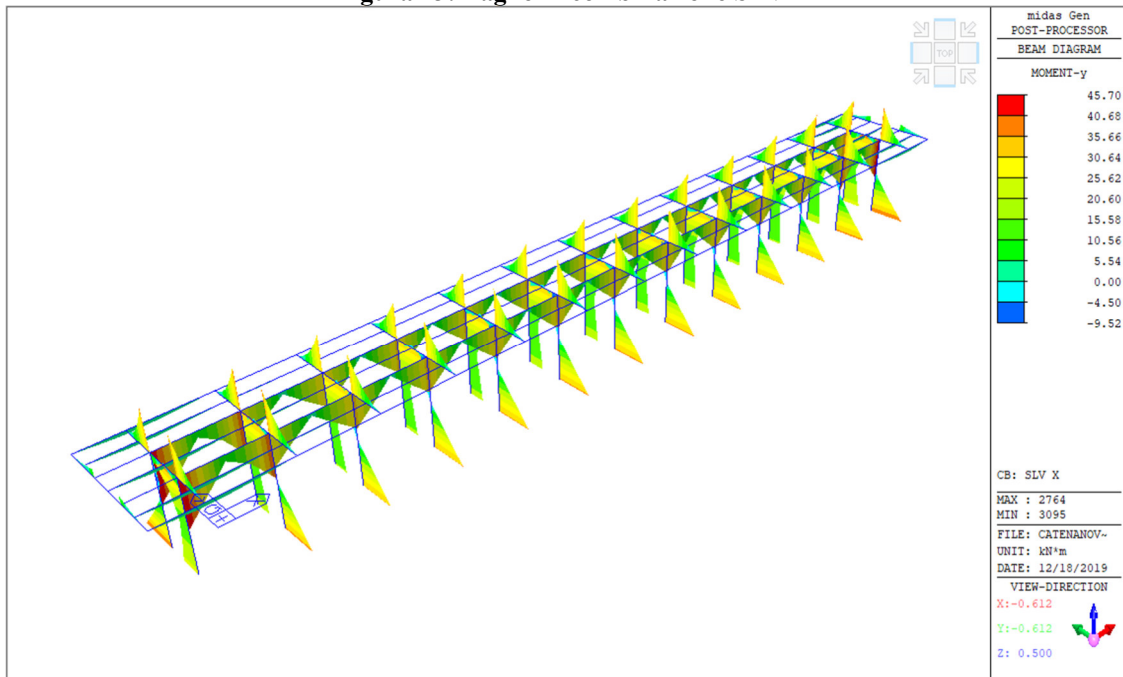


Figura 24: Momento flettente in combinazione SLVx

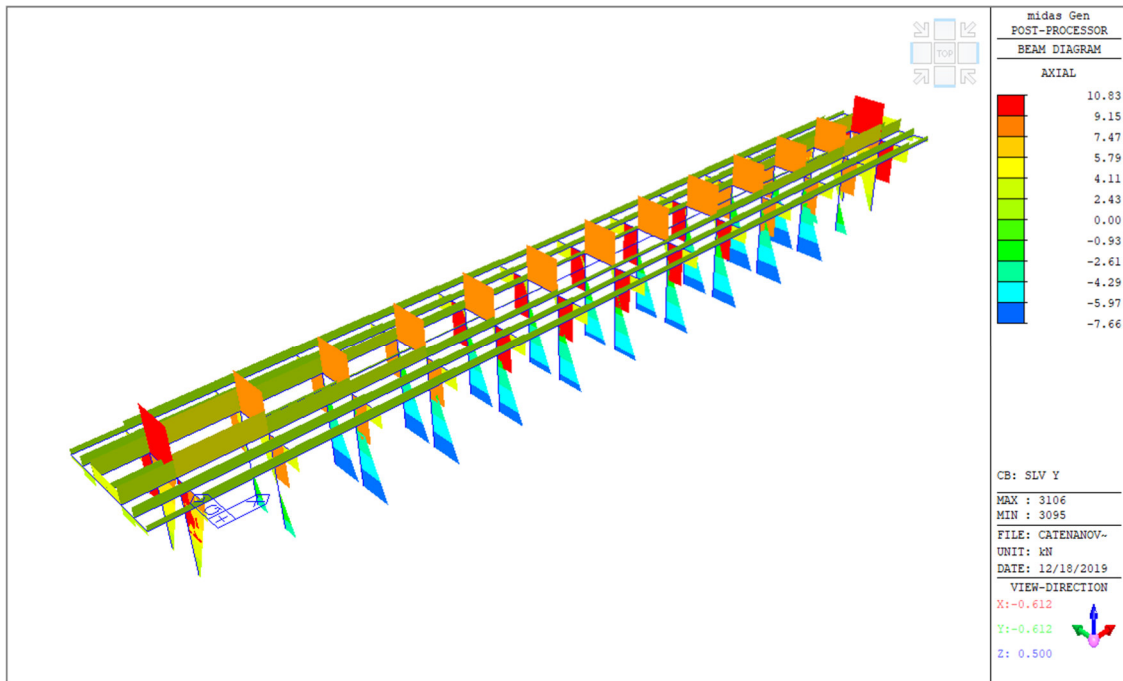


Figura 25: Sforzo assiale in combinazione SLV_y

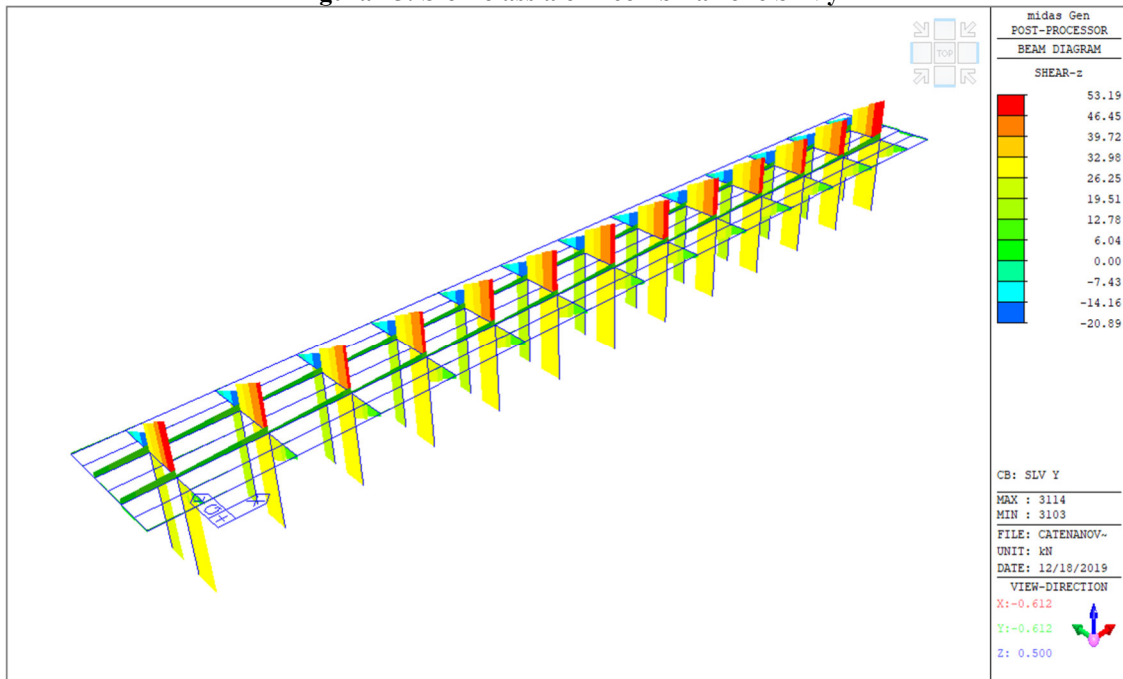


Figura 26: Taglio in combinazione SLV_y

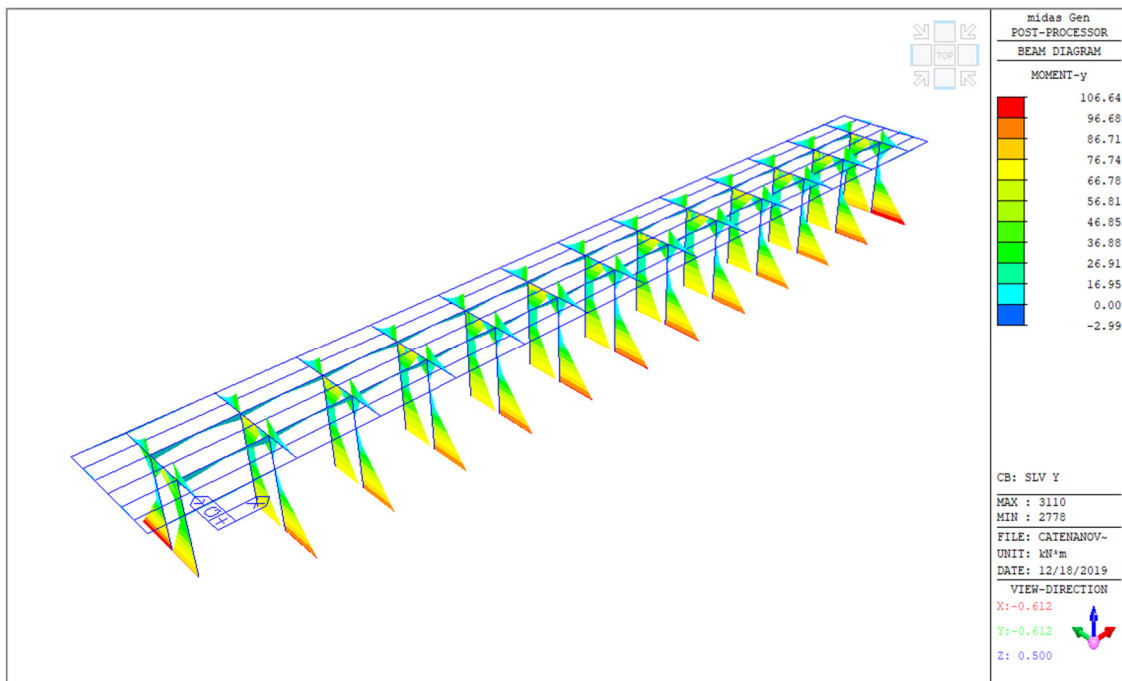


Figura 27: Momento flettente in combinazione SLV_y

9 VERIFICHE STRUTTURALI

Di seguito si riportano, per ciascuna tipologia di elemento i risultati delle verifiche a flessione, pressoflessione e taglio condotte secondo quanto prescritto dalle NTC 2008. Gli elementi considerati sono stati verificati sia allo stato limite ultimo che allo stato limite di esercizio.

Per l'incidenza dell'opera oggetto della presente relazione di calcolo si rimanda all'elaborato dal titolo: Tabella Incidenza Armature opere civili.

Vista l'entità delle sollecitazioni, la verifica delle fondazioni non risulta dimensionante. Si rimanda quindi al progetto esecutivo la definizione delle armature nei plinti.

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Relazione di calcolo pensiline di banchina

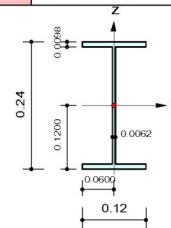
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midas Gen Steel Checking Result

Company	Project Title
MIDAS	
Author	File Name
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1. Design Information

Design Code : Eurocode3:05
 Unit System : kN, m
 Member No : 3143
 Material : S275 (No:1)
 (Fy = 275000, Es = 210000000)
 Section Name : TRAVE IPE 240 (No:8)
 (Rolled : IPE240).
 Member Length : 2.80000



2. Member Forces

Axial Force Fxx = 4.94476 (LCB: 4, POS:J)
 Bending Moments My = 2.76070, Mz = 3.88130
 End Moments Myi = 0.00697, Myj = 2.76070 (for Lb)
 Myi = 0.00697, Myj = 2.76070 (for Ly)
 Mzi = 3.94179, Mzj = 3.88130 (for Lz)
 Shear Forces Fyy = 2.78958 (LCB: 4, POS:1/2)
 Fzz = 3.87075 (LCB: 2, POS:J)

Depth	0.24000	Web Thick	0.00620
Top F Width	0.12000	Top F Thick	0.00980
Bot.F Width	0.12000	Bot.F Thick	0.00980
Area	0.00391	Asz	0.00149
Qyb	0.02790	Qzb	0.00180
Iyy	0.00004	Izz	0.00000
Ybar	0.05000	Zbar	0.12000
Wely	0.00032	Welz	0.00005
ry	0.09936	rz	0.02757

3. Design Parameters

Unbraced Lengths Ly = 2.80000, Lz = 2.80000, Lb = 2.80000
 Effective Length Factors Ky = 1.00, Kz = 1.00
 Equivalent Uniform Moment Factors Cmy = 1.00, Cmz = 1.00, CmLT = 1.00

4. Checking Results

Slenderness Ratio
 $KL/r = 181.3 < 200.0$ (Memb:2950, LCB: 2)..... O.K
 Axial Resistance
 $N_{Ed}/N_{t,Rd} = 4.94/1075.25 = 0.005 < 1.000$ O.K
 Bending Resistance
 $M_{Edy}/M_{Rdy} = 2.761/100.650 = 0.027 < 1.000$ O.K
 $M_{Edz}/M_{Rdz} = 3.8813/19.9865 = 0.194 < 1.000$ O.K
 Combined Resistance
 $R_{NRd} = \text{MAX}[M_{Edy}/M_{ny,Rd}, M_{Edz}/M_{nz,Rd}]$
 $R_{max1} = (M_{Edy}/M_{ny,Rd})^{\text{Alpha}} + (M_{Edz}/M_{nz,Rd})^{\text{Beta}}$
 $R_{com} = N_{Ed}/(A \cdot f_y / \text{Gamma}_{M0}), R_{bend} = M_{Edy}/M_{y,Rd} + M_{Edz}/M_{z,Rd}$
 $R_{max} = \text{MAX}[R_{NRd}, R_{max1}, (R_{com} + R_{bend})] = 0.226 < 1.000$ O.K
 Shear Resistance
 $V_{Edy}/V_{y,Rd} = 0.007 < 1.000$ O.K
 $V_{Edz}/V_{z,Rd} = 0.013 < 1.000$ O.K

5. Deflection Checking Results

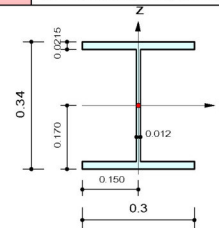
$L/250.0 = 0.0200 > 0.0007$ (Memb:3119, LCB: 6, POS: 2.2m, Dir-Z)..... O.K

midas Gen Steel Checking Result

Company	Project Title
MIDAS	
Author	File Name
	C:\...\Catenanuova_rev_0_d2.mgb

1. Design Information

Design Code : Eurocode3:05
 Unit System : kN, m
 Member No : 3166
 Material : S275 (No:1)
 (Fy = 275000, Es = 210000000)
 Section Name : COLONNE HEB 340 (No:2)
 (Rolled : HEB340).
 Member Length : 6.20000



2. Member Forces

Axial Force Fxx = -26.572 (LCB: 4, POS:I)
 Bending Moments My = 37.2214, Mz = 75.9701
 End Moments Myi = 37.2214, Myj = -6.8355 (for Lb)
 Myi = 37.2214, Myj = -6.8355 (for Ly)
 Mzi = 75.9701, Mzj = 70.1409 (for Lz)
 Shear Forces Fyy = 23.7629 (LCB: 4, POS:I)
 Fzz = 26.9546 (LCB: 5, POS:J)

Depth	0.34000	Web Thick	0.01200
Top F Width	0.30000	Top F Thick	0.02150
Bot.F Width	0.30000	Bot.F Thick	0.02150
Area	0.01710	Asz	0.00408
Qyb	0.09662	Qzb	0.01125
Iyy	0.00037	Izz	0.00010
Ybar	0.15000	Zbar	0.17000
Wely	0.00216	Welz	0.00065
ry	0.14600	rz	0.07530

3. Design Parameters

Unbraced Lengths Ly = 6.20000, Lz = 6.20000, Lb = 6.20000
 Effective Length Factors Ky = 1.00, Kz = 1.00
 Equivalent Uniform Moment Factors CmY = 0.85, CmZ = 0.85, CmLT = 1.00

4. Checking Results

Slenderness Ratio
 $KL/r = 82.3 < 200.0$ (Memb:3166, LCB: 4)..... O.K

Axial Resistance
 $N_{Ed}/MIN[Nc_{Rd}, Nb_{Rd}] = 26.57/4702.50 = 0.006 < 1.000$ O.K

Bending Resistance
 $M_{Edy}/M_{Rdy} = 37.221/662.200 = 0.056 < 1.000$ O.K
 $M_{Edz}/M_{Rdz} = 75.970/269.003 = 0.282 < 1.000$ O.K

Combined Resistance
 $RNRd = MAX[M_{Edy}/Mny_{Rd}, M_{Edz}/Mnz_{Rd}]$
 $Rmax1 = (M_{Edy}/Mny_{Rd})^{\alpha} + (M_{Edz}/Mnz_{Rd})^{\beta}$
 $Rcom = N_{Ed}/(A \cdot fy / \gamma_{M0}), Rbend = M_{Edy}/My_{Rd} + M_{Edz}/Mz_{Rd}$
 $Rc_{LT1} = N_{Ed}/(Xiy \cdot A \cdot fy / \gamma_{M1})$
 $Rb_{LT1} = (kyy \cdot M_{Edy}) / (Xi_{LT} \cdot Wply \cdot fy / \gamma_{M1}) + (kyz \cdot Msdz) / (Wplz \cdot fy / \gamma_{M1})$
 $Rc_{LT2} = N_{Ed}/(Xiz \cdot A \cdot fy / \gamma_{M1})$
 $Rb_{LT2} = (Kzy \cdot M_{Edy}) / (Xi_{LT} \cdot Wply \cdot fy / \gamma_{M1}) + (Kzz \cdot Msdz) / (Wplz \cdot fy / \gamma_{M1})$
 $Rmax = MAX[RNRd, Rmax1, (Rcom + Rbend), MAX(Rc_{LT1} + Rb_{LT1}, Rc_{LT2} + Rb_{LT2})] = 0.344 < 1.000$.. O.K

Shear Resistance
 $V_{Edy}/Vy_{Rd} = 0.011 < 1.000$ O.K
 $V_{Edz}/Vz_{Rd} = 0.030 < 1.000$ O.K

5. Deflection Checking Results

$L/300.0 = 0.0207 > 0.0004$ (Memb:3110, LCB: 8, Dir-Y)..... O.K

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

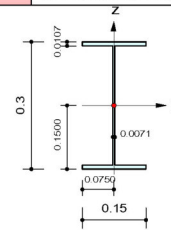
COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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midas Gen Steel Checking Result

Company	Project Title
MIDAS	
Author	File Name
	C:\...\Catenanuova_rev_0_d2.mgb

1. Design Information

Design Code : Eurocode3:05
 Unit System : kN, m
 Member No : 3160
 Material : S275 (No:1)
 (Fy = 275000, Es = 210000000)
 Section Name : TRAVI IPE 300 (No:20)
 (Rolled : IPE300).
 Member Length : 1.30000



2. Member Forces

Axial Force Fxx = 0.00164 (LCB: 1, POS:1)
 Bending Moments My = 88.0509, Mz = 0.02070
 End Moments Myi = 88.0509, Myj = 23.2410 (for Lb)
 Myi = 88.0509, Myj = 23.2410 (for Ly)
 Mzi = 0.02070, Mzj = -0.0122 (for Lz)
 Shear Forces Fyy = 9.16069 (LCB: 4, POS:1/2)
 Fzz = 60.6250 (LCB: 1, POS:1)

Depth	0.30000	Web Thick	0.00710
Top F Width	0.15000	Top F Thick	0.01070
Bot.F Width	0.15000	Bot.F Thick	0.01070
Area	0.00538	Asz	0.00213
Qyb	0.04240	Qzb	0.00281
Iyy	0.00008	Izz	0.00001
Ybar	0.07500	Zbar	0.15000
Wely	0.00056	Welz	0.00008
ry	0.12417	rz	0.03408

3. Design Parameters

Unbraced Lengths Ly = 1.30000, Lz = 1.30000, Lb = 1.30000
 Effective Length Factors Ky = 1.00, Kz = 1.00
 Equivalent Uniform Moment Factors Cmy = 1.00, Cmz = 1.00, CmLT = 1.00

4. Checking Results

Slenderness Ratio
 $KL/r = 38.1 < 200.0$ (Memb:2981, LCB: 2)..... O.K
 Axial Resistance
 $N_{Ed}/N_{t,Rd} = 0.00/1479.50 = 0.000 < 1.000$ O.K
 Bending Resistance
 $M_{Edy}/M_{Rdy} = 88.051/172.700 = 0.510 < 1.000$ O.K
 $M_{Edz}/M_{Rdz} = 0.0207/34.0687 = 0.001 < 1.000$ O.K
 Combined Resistance
 $RNRd = \text{MAX}[M_{Edy}/M_{ny,Rd}, M_{Edz}/M_{nz,Rd}]$
 $R_{max1} = (M_{Edy}/M_{ny,Rd})^{\text{Alpha}} + (M_{Edz}/M_{nz,Rd})^{\text{Beta}}$
 $R_{com} = N_{Ed}/(A \cdot f_y / \text{Gamma}_{M0}), R_{bend} = M_{Edy}/M_{y,Rd} + M_{Edz}/M_{z,Rd}$
 $R_{max} = \text{MAX}[RNRd, R_{max1}, (R_{com} + R_{bend})] = 0.510 < 1.000$ O.K
 Shear Resistance
 $V_{Edy}/V_{y,Rd} = 0.017 < 1.000$ O.K
 $V_{Edz}/V_{z,Rd} = 0.149 < 1.000$ O.K

5. Deflection Checking Results

$L/250.0 = 0.0052 > 0.0004$ (Memb:3160, LCB: 6, POS: 0.6m, Dir-Z)..... O.K

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

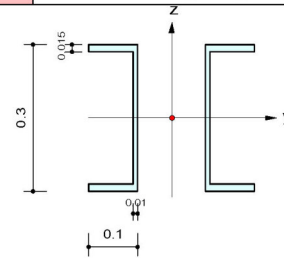
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MIDAS	
Author	File Name
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1. Design Information

Design Code : Eurocode3:05
Unit System : kN, m
Member No : 2764
Material : S275 (No:1)
(Fy = 275000, Es = 210000000)
Section Name : TRAVE UPN 300 (No:34)
(Rolled : TRAVE UPN 300).
Member Length : 5.00000



2. Member Forces

Axial Force Fxx = 12.1026 (LCB: 4, POS:1)
Bending Moments My = 45.7017, Mz = 3.05934
End Moments Myi = 45.7017, Myj = 39.8000 (for Lb)
Myi = 45.7017, Myj = 39.8000 (for Ly)
Mzi = 3.05934, Mzj = 3.62072 (for Lz)
Shear Forces Fyy = 1.28777 (LCB: 4, POS:1/2)
Fzz = 19.3754 (LCB: 4, POS:J)

Depth	0.30000	Web Thick	0.01000
Flg Width	0.10000	Flg Thick	0.01500
BTB Spacing	0.14000		
Area	0.01140	Asz	0.00600
Qyb	0.03049	Qzb	0.00500
Iyy	0.00015	Izz	0.00012
Ybar	0.17000	Zbar	0.15000
Wely	0.00103	Welz	0.00072
ry	0.11651	rz	0.10337

3. Design Parameters

Unbraced Lengths Ly = 5.00000, Lz = 5.00000, Lb = 5.00000
Effective Length Factors Ky = 1.00, Kz = 1.00
Equivalent Uniform Moment Factors Cmy = 1.00, Cmz = 1.00, CmLT = 1.00

4. Checking Results

Slenderness Ratio
L/r = 48.4 < 300.0 (Memb:2765, LCB: 5)..... O.K
Axial Resistance
N_Ed/Nt_Rd = 12.10/3135.00 = 0.004 < 1.000 O.K
Bending Resistance
M_Edy/M_Rdy = 45.702/335.362 = 0.136 < 1.000 O.K
M_Edz/M_Rdz = 3.059/309.375 = 0.010 < 1.000 O.K
Combined Resistance
RNRd = MAX[M_Edy/Mny_Rd, M_Edz/Mnz_Rd]
Rmax1 = (M_Edy/Mny_Rd)^Alpha + (M_Edz/Mnz_Rd)^Beta
Rcom = N_Ed/(A*fy/Gamma_M0), Rbend = M_Edy/My_Rd + M_Edz/Mz_Rd
Rmax = MAX[RNRd, Rmax1, (Rcom+Rbend)] = 0.150 < 1.000 O.K
Shear Resistance
V_Edy/Vy_Rd = 0.001 < 1.000 O.K
V_Edz/Vz_Rd = 0.020 < 1.000 O.K

5. Deflection Checking Results

L/250.0 = 0.0112 > 0.0003 (Memb:3134, LCB: 7, POS: 1.1m, Dir-Z)..... O.K



DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
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10 COLLEGAMENTI

I profilati in acciaio che costituiscono la struttura della pensilina sono collegati tra loro mediante giunti bullonati e saldature. Il progetto e la verifica dei collegamenti saranno eseguiti in fase di progettazione esecutiva. In questa fase si riporta unicamente la verifica dei tirafondi di collegamento tra le colonne della pensilina e i plinti di fondazione.

10.1 Tirafondi

I pilastri sono ancorati alle fondazioni mediante piastre di ancoraggio collegate tramite 8 tirafondi costituiti da M27 in acciaio S275. I tirafondi sono stati verificati adottando il criterio di gerarchia delle resistenze e considerando quindi applicato alla base del pilastro un momento pari a quello che ne provoca lo snervamento. È stata considerata la colonna in cui lo sforzo normale alla base risulta minore, in modo da verificare la condizione in cui la trazione nel tirafondo è massima. Sotto queste ipotesi lo sforzo di trazione in un tirafondo risulta pari a:

$$W_{pl} = 646 \text{ cm}^3$$

$$M_{pl} = 646 \text{ 000} \times 275 = 177650000 \text{ Nmm}$$

$$F_{t, Ed} = \sigma_f \times A_{res} = 188 \times 459 = 86292 \text{ N}$$

La resistenza del tirafondo, in accordo con la 4.2.68 è data da:

$$F_{t, Rd} = 0.9 f_{tb} \times A_{res} / \gamma_{m2} = 0.9 \times 430 \times 459 / 1.25 = 142100 \text{ N} > F_{t, Ed}$$

Dunque la verifica a trazione del tirafondo risulta soddisfatta.

Una volta verificata la resistenza a trazione del tirafondo sono state condotte le seguenti verifiche: verifica a taglio e allo sfilamento del tirafondo

Verifica a taglio:

$$F_{v, Ed} = 30000 \text{ N}$$

$$F_{v, Rd} = 0.6 f_{tb} \times A_{res} / \gamma_{m2} = 0.6 \times 430 \times 459 / 1.25 = 94700 \text{ N} > F_{v, Ed}$$

Verifica allo sfilamento:

I tirafondi hanno una lunghezza di ancoraggio pari a 800 mm.

Verifica tirafondi 800 mm

$$f_{bd} = 2.25 \cdot \eta \cdot f_{ctk} / (1.5 \cdot 1.5 \cdot \gamma_c) = 2.25 \cdot 1.0 \cdot 1.79 / (1.5 \cdot 1.5 \cdot 1.5) = 1.2 \text{ MPa}$$

$$N_{R, anc} = 800 \cdot 3.14 \cdot 27 \cdot 1.2 = 80700 \text{ N} > 62883 \text{ N}$$



DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
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11 TABULATI DI CALCOLO

** Gen 2019 Modeling, Integrated Design & Analysis Software **

** GENERAL STRUCTURE DESIGN SYSTEM **

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ANALYSIS RESULT OUTPUT



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
 NUOVO COLLEGAMENTO PALERMO-CATANIA
 PROGETTO DEFINITIVO
 TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
 Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	44 di 212

LOAD SET FOR DISPLACMENT OUTPUT - Load Set 2

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
SLE ra~1	SLE rara 1	Gen.Comb	
SLE ra~2	SLE rara 2	Gen.Comb	
SLErar~1	SLErara 3	Gen.Comb	

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Combinations]

L. COMB	TYPE	COMBINATION DETAIL				
SLE ra~1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x Q neve	+ 0.600 x VENTO --	+ 0.800 x TRENO -
SLE ra~2	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x VENTO --	+ 0.800 x TRENO -	
SLErar~1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.600 x VENTO --	+ 1.000 x TRENO -	
SLE freq	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.500 x VENTO --	+ 0.500 x TRENO -	
SLE qp	Gen.Comb	1.000 x PP	+ 1.000 x G2			
ENVELOPE	Gen.Envl	1.350 x PP	, 1.500 x G2	, 1.500 x Q neve	, 0.900 x VENTO ++,	1.200 x TRENO +



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	45 di 212

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
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No Abbreviation was defined in this Load Set. All names are less than 8 char.'s

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Combinations]

L. COMB	TYPE	COMBINATION DETAIL			
SLU 1	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 1.500 x Q neve	+ 0.900 x VENTO -- + 1.200 x TRENO -
SLU 2	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 1.500 x VENTO --	+ 1.200 x TRENO -
SLU 3	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 0.900 x VENTO --	+ 1.500 x TRENO -
SLV X	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x RX	+ 0.300 x RY
SLV Y	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.300 x RX	+ 1.000 x RY
SLE ra-1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x Q neve	+ 0.600 x VENTO -- + 0.800 x TRENO -
SLE ra-2	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x VENTO --	+ 0.800 x TRENO -
SLE rar-1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.600 x VENTO --	+ 1.000 x TRENO -
SLE freq	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.500 x VENTO --	+ 0.500 x TRENO -
SLE qp	Gen.Comb	1.000 x PP	+ 1.000 x G2		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	46 di 212

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
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No Abbreviation was defined in this Load Set. All names are less than 8 char.'s

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[Selected Load Combinations]

L. COMB	TYPE	COMBINATION DETAIL			
SLU 1	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 1.500 x Q neve	+ 0.900 x VENTO -- + 1.200 x TRENO -
SLU 2	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 1.500 x VENTO -- +	1.200 x TRENO -
SLU 3	Gen.Comb	1.350 x PP	+ 1.500 x G2	+ 0.900 x VENTO -- +	1.500 x TRENO -
SLV X	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x RX	+ 0.300 x RY
SLV Y	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.300 x RX	+ 1.000 x RY
SLE ra~1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x Q neve	+ 0.600 x VENTO -- + 0.800 x TRENO -
SLE ra~2	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 1.000 x VENTO -- +	0.800 x TRENO -
SLE rar~1	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.600 x VENTO -- +	1.000 x TRENO -
SLE freq	Gen.Comb	1.000 x G2	+ 1.000 x PP	+ 0.500 x VENTO -- +	0.500 x TRENO -
SLE qp	Gen.Comb	1.000 x PP	+ 1.000 x G2		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	47 di 212

NODE DISPLACEMENT AND ROTATIONS DEFAULT PRINTOUT

Unit System : kN , m

NODE	LC	UX	UY	UZ	RX	RY	RZ		Min	0.000	0.000	-0.006	-0.0	-0.0	-0.0
1471	SLE ra~1	-0.000	-0.000	-0.000	0.0	0.0	0.0	1481 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE ra~2	-0.000	-0.000	-0.000	0.0	0.0	0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLErar~1	-0.000	-0.000	-0.000	0.0	0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE freq	-0.000	-0.000	-0.000	0.0	0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE qp	-0.000	-0.000	-0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.000	0.000	0.000	0.0	0.0	0.0
	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0	0.0
1473	SLE ra~1	-0.000	-0.000	-0.000	-0.0	0.0	0.0	1482 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE ra~2	-0.000	-0.000	-0.000	-0.0	0.0	0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLErar~1	-0.000	-0.000	-0.000	-0.0	0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE freq	-0.000	-0.000	-0.000	-0.0	0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	SLE qp	-0.000	0.000	-0.000	-0.0	0.0	-0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	0.0
	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.000	0.0	0.0	0.0
	Min	-0.000	0.000	-0.000	-0.0	-0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0	0.0
1477	SLE ra~1	0.000	-0.000	-0.009	0.0	-0.0	0.0	1483 SLE ra~1	-0.000	-0.000	-0.006	-0.0	0.0	0.0	0.0
	SLE ra~2	0.000	-0.000	-0.008	0.0	-0.0	0.0	SLE ra~2	-0.000	-0.000	-0.006	-0.0	0.0	0.0	0.0
	SLErar~1	0.000	-0.000	-0.008	0.0	-0.0	0.0	SLErar~1	-0.000	-0.000	-0.005	-0.0	0.0	0.0	0.0
	SLE freq	0.000	-0.000	-0.007	0.0	-0.0	0.0	SLE freq	-0.000	-0.000	-0.005	-0.0	0.0	0.0	0.0
	SLE qp	-0.000	-0.000	-0.005	0.0	-0.0	0.0	SLE qp	-0.000	0.000	-0.004	-0.0	0.0	0.0	-0.0
	ENVELOPE Max	0.000	0.000	0.003	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	0.0
	Min	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	Min	-0.000	0.000	-0.005	-0.0	-0.0	-0.0	-0.0
1478	SLE ra~1	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0	1484 SLE ra~1	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	0.0
	SLE ra~2	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	0.0
	SLErar~1	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	0.0
	SLE freq	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	0.0
	SLE qp	-0.000	0.000	-0.005	-0.0	-0.0	-0.0	SLE qp	-0.000	0.000	-0.000	-0.0	-0.0	-0.0	0.0
	ENVELOPE Max	0.000	0.000	0.002	0.0	0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	0.0
	Min	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	Min	-0.000	0.000	-0.000	-0.0	-0.0	-0.0	-0.0
								1485 SLE ra~1	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	-0.0
								SLE ra~2	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	-0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 48 di 212
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SLErar~1	-0.000	-0.000	-0.000	0.0	-0.0	0.0	SLE ra~2	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE qp	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	0.000	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1486 SLE ra~1	0.000	-0.000	-0.008	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.008	0.0	0.0	0.0	1549 SLE ra~1	-0.000	-0.000	-0.004	0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.007	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.006	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.004	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.003	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.003	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	0.0	0.0	0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	0.0
1488 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1551 SLE ra~1	-0.000	-0.000	-0.003	0.0	-0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	-0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	-0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.003	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	0.0	0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1489 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1570 SLE ra~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	-0.0	0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.002	-0.0	0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.002	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	0.000	-0.002	-0.0	0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	0.0
1528 SLE ra~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0	Min	-0.000	0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	0.000	-0.0	0.0	-0.0	1572 SLE ra~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.002	-0.0	0.0	-0.0
SLE freq	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.002	-0.0	0.0	-0.0
SLE qp	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.002	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	0.000	-0.002	-0.0	0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1530 SLE ra~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0	Min	-0.000	0.000	-0.002	-0.0	-0.0	-0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	49 di 212

1575 SLE ra~1	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	Min	-0.000	0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	1580 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.000	0.0	-0.0	-0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.000	0.0	-0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1576 SLE ra~1	-0.000	-0.000	-0.004	0.0	-0.0	0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	-0.000	-0.000	-0.003	0.0	-0.0	0.0	1581 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.003	0.0	-0.0	0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.003	0.0	-0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.002	0.0	-0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1577 SLE ra~1	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0	1582 SLE ra~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLErar~1	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE qp	-0.000	0.000	-0.005	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.000	0.002	0.0	0.0	0.0	SLE qp	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
Min	-0.000	0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1578 SLE ra~1	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0	1583 SLE ra~1	0.000	-0.000	-0.009	0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	SLE ra~2	0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	SLErar~1	0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE qp	-0.000	0.000	-0.002	-0.0	-0.0	-0.0	SLE freq	0.000	-0.000	-0.007	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	-0.005	0.0	-0.0	0.0
Min	-0.000	0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1579 SLE ra~1	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	1584 SLE ra~1	-0.000	-0.000	-0.000	0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.000	0.0	0.0	-0.0
SLE freq	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	-0.000	0.0	0.0	-0.0
SLE qp	-0.000	0.000	-0.000	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	-0.000	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.000	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	50 di 212

ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1585 SLE ra~1	-0.000	-0.000	-0.004	0.0	0.0	0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	-0.000	-0.000	-0.003	0.0	0.0	0.0	1590 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.003	0.0	0.0	0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.003	0.0	0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.002	0.0	0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1586 SLE ra~1	-0.000	-0.000	-0.007	-0.0	0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	-0.000	-0.000	-0.007	-0.0	0.0	-0.0	1591 SLE ra~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.006	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLE freq	-0.000	-0.000	-0.006	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLE qp	-0.000	0.000	-0.005	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	0.000	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	-0.000	-0.000	0.000	-0.0	0.0	-0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1587 SLE ra~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	1592 SLE ra~1	-0.000	-0.000	-0.009	0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE qp	-0.000	0.000	-0.002	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.007	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	-0.005	0.0	0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1588 SLE ra~1	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	1593 SLE ra~1	-0.000	-0.000	-0.000	0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.000	0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.000	0.0	-0.0	0.0
SLE qp	-0.000	0.000	-0.000	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.000	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.000	0.0	-0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1589 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1594 SLE ra~1	-0.000	-0.000	-0.004	0.0	-0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	-0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	-0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 51 di 212
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SLE freq	-0.000	-0.000	-0.003	0.0	-0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.002	0.0	-0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1595 SLE ra~1	-0.000	-0.000	-0.007	-0.0	0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	-0.000	-0.000	-0.007	-0.0	0.0	-0.0	1600 SLE ra~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLErar~1	-0.000	-0.000	-0.006	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.006	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
SLE qp	0.000	0.000	-0.005	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	0.000	-0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1596 SLE ra~1	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0	1601 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	SLErar~1	0.000	-0.000	-0.008	0.0	0.0	0.0
SLE qp	-0.000	0.000	-0.002	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	-0.007	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	-0.005	0.0	0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1597 SLE ra~1	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	1602 SLE ra~1	-0.000	-0.000	-0.000	0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.000	-0.0	-0.0	0.0	SLE ra~2	-0.000	-0.000	-0.000	0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	-0.000	0.0	0.0	0.0
SLE qp	-0.000	0.000	-0.000	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	-0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1598 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1603 SLE ra~1	-0.000	-0.000	-0.004	0.0	0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.003	0.0	0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	0.0	0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1599 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1604 SLE ra~1	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 52 di 212
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SLE ra~2	-0.000	-0.000	-0.007	-0.0	-0.0	-0.0	1609 SLE ra~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLE freq	0.000	-0.000	-0.006	-0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0
SLE qp	0.000	0.000	-0.005	-0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	0.000	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	0.000	-0.0	0.0	-0.0
Min	0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1605 SLE ra~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	1610 SLE ra~1	-0.000	-0.000	-0.009	0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.008	0.0	-0.0	0.0
SLE qp	-0.000	0.000	-0.002	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.007	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	-0.005	0.0	-0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1606 SLE ra~1	-0.000	-0.000	-0.000	-0.0	0.0	0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	1611 SLE ra~1	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLErar~1	-0.000	-0.000	-0.000	-0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE qp	-0.000	0.000	-0.000	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.000	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1607 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1612 SLE ra~1	-0.000	-0.000	-0.004	0.0	0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.003	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	0.0	0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1608 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1613 SLE ra~1	0.000	-0.000	-0.007	-0.0	0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.006	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	53 di 212

Min	-0.000	-0.000	-0.005	-0.0	0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1614 SLE ra~1	0.000	-0.000	-0.003	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.003	-0.0	0.0	-0.0	1619 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	-0.0
SLErar~1	0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	-0.0
SLE freq	0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.008	0.0	0.0	-0.0
SLE qp	0.000	0.000	-0.002	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.007	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.005	0.0	0.0	-0.0
Min	-0.000	-0.000	-0.002	-0.0	0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1615 SLE ra~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	0.0	-0.0
SLE ra~2	0.000	-0.000	-0.000	-0.0	0.0	-0.0	1620 SLE ra~1	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLErar~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE freq	0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE qp	0.000	0.000	-0.000	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.000	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.000	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1616 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1621 SLE ra~1	0.000	-0.000	-0.004	0.0	-0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.003	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	-0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1617 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1622 SLE ra~1	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.006	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1618 SLE ra~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	0.000	-0.0	0.0	-0.0	1623 SLE ra~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.003	-0.0	-0.0	0.0
SLE freq	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.002	-0.0	-0.0	0.0
SLE qp	-0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.002	-0.0	-0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 54 di 212
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SLE qp	0.000	0.000	-0.002	-0.0	-0.0	0.0	SLE freq	-0.000	-0.000	-0.007	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.005	0.0	0.0	-0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1624 SLE ra~1	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	1629 SLE ra~1	0.000	-0.000	-0.000	0.0	0.0	-0.0
SLErar~1	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	0.0	0.0	-0.0
SLE freq	0.000	-0.000	-0.000	-0.0	-0.0	0.0	SLErar~1	0.000	-0.000	-0.000	0.0	0.0	-0.0
SLE qp	0.000	0.000	-0.000	-0.0	-0.0	0.0	SLE freq	0.000	-0.000	-0.000	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.000	0.0	0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1625 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1630 SLE ra~1	0.000	-0.000	-0.004	0.0	0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.003	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1626 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1631 SLE ra~1	0.000	-0.000	-0.007	-0.0	-0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	-0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	-0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.006	-0.0	-0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	-0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1627 SLE ra~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	0.000	-0.0	-0.0	0.0	1632 SLE ra~1	0.000	-0.000	-0.003	-0.0	0.0	0.0
SLErar~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	-0.0	0.0	0.0
SLE freq	0.000	-0.000	0.000	-0.0	-0.0	0.0	SLErar~1	0.000	-0.000	-0.002	-0.0	0.0	0.0
SLE qp	0.000	-0.000	0.000	-0.0	-0.0	-0.0	SLE freq	0.000	-0.000	-0.002	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	-0.0	SLE qp	0.000	0.000	-0.002	-0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1628 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	-0.0	1633 SLE ra~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.008	0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	-0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	55 di 212

SLErar~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	0.0	-0.0	0.0
SLE freq	0.000	-0.000	-0.000	-0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.000	0.0	-0.0	0.0
SLE qp	0.000	0.000	-0.000	-0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.000	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.000	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1634 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1639 SLE ra~1	0.000	-0.000	-0.004	0.0	-0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.003	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	-0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1635 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1640 SLE ra~1	0.000	-0.000	-0.007	-0.0	-0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	-0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	-0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.006	-0.0	-0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	-0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1636 SLE ra~1	0.000	-0.000	0.000	-0.0	0.0	0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	0.000	-0.0	0.0	0.0	1641 SLE ra~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0
SLErar~1	0.000	-0.000	0.000	-0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	-0.0	-0.0	0.0
SLE freq	0.000	-0.000	0.000	-0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.002	-0.0	-0.0	0.0
SLE qp	0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.002	-0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	-0.0	SLE qp	0.000	0.000	-0.002	-0.0	-0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1637 SLE ra~1	-0.000	-0.000	-0.009	0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	-0.0	-0.0	1642 SLE ra~1	0.000	-0.000	-0.000	-0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.008	0.0	-0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	-0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.007	0.0	-0.0	-0.0	SLErar~1	0.000	-0.000	-0.000	-0.0	-0.0	0.0
SLE qp	-0.000	-0.000	-0.005	0.0	-0.0	-0.0	SLE freq	0.000	-0.000	-0.000	-0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.000	-0.0	-0.0	0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1638 SLE ra~1	0.000	-0.000	-0.000	0.0	-0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	56 di 212

1643 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1648 SLE ra~1	0.000	-0.000	-0.004	0.0	0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.003	0.0	0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.003	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1644 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1649 SLE ra~1	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	0.0	0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.006	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.000	0.002	0.0	0.0	0.0
1645 SLE ra~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	0.000	-0.0	-0.0	0.0	1650 SLE ra~1	0.000	-0.000	-0.003	-0.0	0.0	0.0
SLErar~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	-0.0	0.0	0.0
SLE freq	0.000	-0.000	0.000	-0.0	-0.0	0.0	SLErar~1	0.000	-0.000	-0.002	-0.0	0.0	0.0
SLE qp	0.000	-0.000	0.000	-0.0	-0.0	-0.0	SLE freq	0.000	-0.000	-0.002	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	-0.0	SLE qp	0.000	0.000	-0.002	-0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	0.0
1646 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	-0.0	1651 SLE ra~1	0.000	-0.000	-0.000	-0.0	0.0	0.0
SLErar~1	-0.000	-0.000	-0.008	0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	-0.0	0.0	0.0
SLE freq	-0.000	-0.000	-0.007	0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.000	-0.0	0.0	0.0
SLE qp	-0.000	-0.000	-0.005	0.0	-0.0	-0.0	SLE freq	0.000	-0.000	-0.000	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.000	-0.0	0.0	0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1647 SLE ra~1	0.000	-0.000	-0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.000	0.0	0.0	0.0	1652 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.000	0.0	0.0	0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.000	0.0	0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	0.000	-0.000	-0.000	0.0	0.0	-0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	57 di 212

ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	-0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1653 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	1658 SLE ra~1	0.000	-0.000	-0.006	-0.0	-0.0	-0.0
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.006	-0.0	-0.0	-0.0
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.005	-0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.004	-0.0	-0.0	0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1654 SLE ra~1	0.000	-0.000	0.000	-0.0	0.0	0.0	Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	0.000	-0.0	0.0	0.0	1659 SLE ra~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0
SLErar~1	0.000	-0.000	0.000	-0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.002	-0.0	-0.0	0.0
SLE freq	0.000	-0.000	0.000	-0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.002	-0.0	-0.0	0.0
SLE qp	0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.002	-0.0	-0.0	0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	-0.0	SLE qp	0.000	0.000	-0.002	-0.0	-0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1655 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	-0.0	1660 SLE ra~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.008	0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.000	-0.0	0.0	-0.0
SLE freq	-0.000	-0.000	-0.007	0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.000	-0.0	0.0	-0.0
SLE qp	-0.000	-0.000	-0.005	0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.000	-0.0	0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.000	-0.0	0.0	-0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0
1656 SLE ra~1	0.000	-0.000	-0.000	0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.000	0.0	0.0	0.0	1661 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.000	0.0	0.0	-0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.000	0.0	0.0	0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0
SLE qp	0.000	-0.000	-0.000	0.0	0.0	0.0	SLE freq	0.000	0.000	0.000	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	0.0	SLE qp	0.000	0.000	0.000	0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1657 SLE ra~1	0.000	-0.000	-0.003	0.0	0.0	-0.0	Min	0.000	0.000	0.000	0.0	0.0	0.0
SLE ra~2	0.000	-0.000	-0.003	0.0	0.0	-0.0	1662 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.003	0.0	0.0	-0.0	SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.003	0.0	0.0	-0.0	SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 58 di 212
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SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	SLErar~1	-0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	SLE freq	-0.000	-0.000	-0.002	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.001	0.0	-0.0	-0.0
Min	0.000	0.000	0.000	0.0	0.0	0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0
1663 SLE ra~1	0.000	-0.000	0.000	-0.0	0.0	0.0	Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	0.000	-0.0	0.0	0.0	1668 SLE ra~1	0.000	-0.000	-0.006	0.0	0.0	0.0
SLErar~1	0.000	-0.000	0.000	-0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.006	0.0	0.0	0.0
SLE freq	0.000	-0.000	0.000	-0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.006	0.0	0.0	0.0
SLE qp	0.000	-0.000	0.000	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.004	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.000	0.0	0.0	-0.0	SLE qp	-0.000	-0.000	-0.003	0.0	0.0	0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1664 SLE ra~1	-0.000	-0.000	-0.008	0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	-0.0	-0.0	1669 SLE ra~1	-0.000	-0.000	-0.002	0.0	-0.0	-0.0
SLErar~1	-0.000	-0.000	-0.007	0.0	-0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.006	0.0	-0.0	-0.0	SLErar~1	-0.000	-0.000	-0.002	0.0	-0.0	-0.0
SLE qp	0.000	-0.000	-0.004	0.0	-0.0	-0.0	SLE freq	-0.000	-0.000	-0.002	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.001	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.005	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0
1665 SLE ra~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.004	-0.0	0.0	-0.0	1670 SLE ra~1	-0.000	-0.000	-0.004	0.0	-0.0	0.0
SLErar~1	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.004	0.0	-0.0	0.0
SLE freq	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.004	0.0	-0.0	0.0
SLE qp	-0.000	-0.000	-0.003	-0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.003	0.0	-0.0	0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	0.0	-0.0	0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1666 SLE ra~1	-0.000	-0.000	-0.002	-0.0	-0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	-0.0	-0.0	0.0	1671 SLE ra~1	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0
SLErar~1	-0.000	-0.000	-0.002	-0.0	-0.0	0.0	SLE ra~2	-0.000	-0.000	-0.003	-0.0	-0.0	-0.0
SLE freq	-0.000	-0.000	-0.002	-0.0	-0.0	0.0	SLErar~1	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE qp	-0.000	-0.000	-0.001	-0.0	-0.0	0.0	SLE freq	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0
1667 SLE ra~1	-0.000	-0.000	-0.003	0.0	-0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.003	0.0	-0.0	-0.0	1672 SLE ra~1	0.000	-0.000	-0.003	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 59 di 212
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SLE ra~2	0.000	-0.000	-0.003	0.0	0.0	0.0	1677 SLE ra~1	0.000	-0.000	-0.002	0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.003	0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.002	0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.002	0.0	0.0	0.0
SLE qp	0.000	-0.000	-0.001	0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.002	0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.001	0.0	0.0	-0.0
Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	-0.0
1673 SLE ra~1	0.000	-0.000	-0.004	0.0	0.0	-0.0	Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.004	0.0	0.0	-0.0	1678 SLE ra~1	-0.000	-0.000	-0.006	0.0	-0.0	-0.0
SLErar~1	0.000	-0.000	-0.004	0.0	0.0	-0.0	SLE ra~2	-0.000	-0.000	-0.006	0.0	-0.0	-0.0
SLE freq	0.000	-0.000	-0.003	0.0	0.0	-0.0	SLErar~1	-0.000	-0.000	-0.006	0.0	-0.0	-0.0
SLE qp	0.000	-0.000	-0.002	0.0	0.0	-0.0	SLE freq	-0.000	-0.000	-0.004	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.003	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.001	0.002	0.0	0.0	0.0
1674 SLE ra~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.004	-0.0	-0.0	0.0	1679 SLE ra~1	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLErar~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0	SLE ra~2	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE freq	0.000	-0.000	-0.003	-0.0	-0.0	0.0	SLErar~1	0.000	-0.000	-0.000	0.0	-0.0	-0.0
SLE qp	0.000	-0.000	-0.003	-0.0	-0.0	0.0	SLE freq	0.000	-0.000	-0.000	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.000	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0
1675 SLE ra~1	0.000	-0.000	-0.003	-0.0	0.0	0.0	Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.003	-0.0	0.0	0.0	1680 SLE ra~1	0.000	-0.000	-0.004	0.0	-0.0	-0.0
SLErar~1	0.000	-0.000	-0.002	-0.0	0.0	0.0	SLE ra~2	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE freq	0.000	-0.000	-0.002	-0.0	0.0	0.0	SLErar~1	0.000	-0.000	-0.003	0.0	-0.0	-0.0
SLE qp	0.000	-0.000	-0.002	-0.0	0.0	0.0	SLE freq	0.000	-0.000	-0.003	0.0	-0.0	-0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	-0.000	-0.002	0.0	-0.0	-0.0
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	0.0
1676 SLE ra~1	0.000	-0.000	-0.002	-0.0	0.0	-0.0	Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0
SLE ra~2	0.000	-0.000	-0.003	-0.0	0.0	-0.0	1681 SLE ra~1	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLErar~1	0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLE ra~2	0.000	-0.000	-0.007	-0.0	0.0	0.0
SLE freq	0.000	-0.000	-0.002	-0.0	0.0	-0.0	SLErar~1	0.000	-0.000	-0.006	-0.0	0.0	0.0
SLE qp	0.000	-0.000	-0.001	-0.0	0.0	-0.0	SLE freq	0.000	-0.000	-0.006	-0.0	0.0	0.0
ENVELOPE Max	0.000	0.001	0.001	0.0	0.0	0.0	SLE qp	0.000	0.000	-0.005	-0.0	0.0	0.0
Min	-0.000	-0.000	-0.001	-0.0	-0.0	-0.0	ENVELOPE Max	0.000	0.000	0.002	0.0	0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	60 di 212

Min	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0	
1682 SLE ra~1	0.000	-0.000	-0.003	-0.0	-0.0	0.0	
SLE ra~2	0.000	-0.000	-0.003	-0.0	-0.0	0.0	
SLErar~1	0.000	-0.000	-0.002	-0.0	-0.0	0.0	
SLE freq	0.000	-0.000	-0.002	-0.0	-0.0	0.0	
SLE qp	0.000	0.000	-0.002	-0.0	-0.0	0.0	
ENVELOPE Max	0.000	0.000	0.001	0.0	0.0	0.0	
Min	-0.000	-0.000	-0.002	-0.0	-0.0	-0.0	
1683 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	
Min	0.000	0.000	0.000	0.0	0.0	0.0	
1684 SLE ra~1	0.000	0.000	0.000	0.0	0.0	0.0	
SLE ra~2	0.000	0.000	0.000	0.0	0.0	0.0	
SLErar~1	0.000	0.000	0.000	0.0	0.0	0.0	
SLE freq	0.000	0.000	0.000	0.0	0.0	0.0	
SLE qp	0.000	0.000	0.000	0.0	0.0	0.0	
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	
Min	0.000	0.000	0.000	0.0	0.0	0.0	
1685 SLE ra~1	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	
SLE ra~2	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	
SLErar~1	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	
SLE freq	0.000	-0.000	-0.000	-0.0	-0.0	-0.0	
SLE qp	0.000	0.000	-0.000	-0.0	-0.0	0.0	
ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	0.0	
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0	
1686 SLE ra~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	
SLE ra~2	0.000	-0.000	0.000	-0.0	-0.0	0.0	
SLErar~1	0.000	-0.000	0.000	-0.0	-0.0	0.0	
SLE freq	0.000	-0.000	0.000	-0.0	-0.0	0.0	
SLE qp	0.000	-0.000	0.000	-0.0	-0.0	-0.0	

ENVELOPE Max	0.000	0.000	0.000	0.0	0.0	-0.0
Min	-0.000	-0.000	-0.000	-0.0	-0.0	-0.0
1687 SLE ra~1	-0.000	-0.000	-0.009	0.0	0.0	-0.0
SLE ra~2	-0.000	-0.000	-0.008	0.0	0.0	-0.0
SLErar~1	-0.000	-0.000	-0.008	0.0	0.0	-0.0
SLE freq	-0.000	-0.000	-0.007	0.0	0.0	-0.0
SLE qp	-0.000	-0.000	-0.005	0.0	0.0	-0.0
ENVELOPE Max	0.000	0.000	0.002	0.0	0.0	0.0
Min	-0.000	-0.000	-0.006	-0.0	-0.0	-0.0



DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
 PROGETTO DEFINITIVO
 TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
 Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	61 di 212

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT
 Unit System : kN , m

ELEM MAT SEC LC PT AXIAL SHEAR-y SHEAR-z TORSION
 MOMENT-y MOMENT-z

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	MOMENT-z	
2762	1	20	SLU	1	I	0.0	-0.0	60.6	0.0	88.0	-0.0
					J	0.0	-0.0	39.1	0.0	23.2	0.0
			SLU	2	I	0.0	-0.0	55.6	0.0	83.1	-0.0
					J	0.0	-0.0	38.5	0.0	21.9	0.0
			SLU	3	I	0.0	-0.0	52.7	0.0	78.3	-0.0
					J	0.0	-0.0	35.9	0.0	20.7	0.0
			SLV	X	I	2.8	9.1	26.0	0.0	37.2	8.9
					J	2.8	9.1	15.7	0.0	10.1	3.0
			SLV	Y	I	9.1	3.2	27.3	0.0	40.3	3.1
					J	9.1	3.2	17.0	0.0	11.5	1.1
			SLE	ra~1	I	0.0	-0.0	40.8	0.0	59.4	-0.0
					J	0.0	-0.0	26.4	0.0	15.7	0.0
			SLE	ra~2	I	0.0	-0.0	37.4	0.0	56.1	-0.0
					J	0.0	-0.0	26.0	0.0	14.9	0.0
			SLE	ra~1	I	0.0	-0.0	35.5	0.0	52.9	-0.0
					J	0.0	-0.0	24.2	0.0	14.0	0.0
			SLE	freq	I	0.0	-0.0	31.3	0.0	45.8	-0.0
					J	0.0	-0.0	20.4	0.0	12.2	0.0
			SLE	qp	I	-0.0	-0.0	23.8	0.0	33.3	-0.0
					J	-0.0	-0.0	13.5	0.0	9.1	0.0
2763	1	20	SLU	1	I	-0.0	0.0	-4.9	-0.0	-0.0	0.0
					J	-0.0	0.0	-25.7	-0.0	19.9	0.0
			SLU	2	I	-0.0	0.0	-6.1	-0.0	-0.0	0.0
					J	-0.0	0.0	-22.5	-0.0	18.6	0.0
			SLU	3	I	-0.0	0.0	-4.7	-0.0	-0.0	0.0
					J	-0.0	0.0	-20.7	-0.0	16.5	0.0

					SLV	X	I	1.0	3.5	-1.0	0.0	0.0	3.1
							J	1.0	3.5	-11.3	0.0	10.1	1.4
					SLV	Y	I	3.3	1.3	0.1	0.0	0.0	1.1
							J	3.3	1.3	-10.2	0.0	11.5	0.5
					SLE	ra~1	I	-0.0	0.0	-3.4	-0.0	-0.0	0.0
							J	-0.0	0.0	-17.3	-0.0	13.5	0.0
					SLE	ra~2	I	-0.0	0.0	-4.2	-0.0	-0.0	0.0
							J	-0.0	0.0	-15.2	-0.0	12.6	0.0
					SLE	ra~1	I	-0.0	0.0	-3.3	-0.0	-0.0	0.0
							J	-0.0	0.0	-14.0	-0.0	11.2	0.0
					SLE	freq	I	-0.0	0.0	-3.0	-0.0	-0.0	0.0
							J	-0.0	0.0	-13.7	-0.0	10.8	0.0
					SLE	qp	I	0.0	-0.0	-1.8	-0.0	-0.0	0.0
							J	0.0	-0.0	-12.1	-0.0	9.1	0.0
2764	1	34	SLU	1	I	1.9	0.0	-11.4	0.0	-21.6	0.1		
					J	1.9	0.0	3.6	0.0	-2.0	-0.1		
			SLU	2	I	2.1	0.0	-13.2	0.0	-24.5	0.1		
					J	2.1	0.0	4.6	0.0	-2.8	-0.1		
			SLU	3	I	1.9	0.0	-12.1	0.0	-22.4	0.1		
					J	1.9	0.0	4.1	0.0	-2.5	-0.1		
			SLV	X	I	12.1	1.3	15.0	0.0	45.7	3.1		
					J	12.1	1.3	19.4	0.0	39.8	3.6		
			SLV	Y	I	4.7	0.7	3.0	0.0	12.5	1.9		
					J	4.7	0.7	7.4	0.0	12.9	2.2		
			SLE	ra~1	I	1.3	0.0	-7.9	0.0	-15.0	0.1		
					J	1.3	0.0	2.5	0.0	-1.4	-0.0		
			SLE	ra~2	I	1.4	0.0	-9.1	0.0	-16.9	0.1		
					J	1.4	0.0	3.2	0.0	-1.9	-0.0		
			SLE	ra~1	I	1.3	0.0	-8.4	0.0	-15.5	0.1		
					J	1.3	0.0	2.8	0.0	-1.7	-0.0		
			SLE	freq	I	1.1	0.0	-6.6	0.0	-12.5	0.0		
					J	1.1	0.0	2.1	0.0	-1.2	-0.0		
			SLE	qp	I	0.7	0.0	-3.6	0.0	-7.0	0.0		
					J	0.7	0.0	0.8	0.0	-0.2	-0.0		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA**
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	62 di 212

2765	1	34	SLU 1	I	1.4	0.0	-8.0	-0.0	-15.7	-0.0	SLErar~1	I	-69.3	-0.3	7.4	0.0	13.1	-0.6			
			J	1.4	0.0	2.1	-0.0	-0.9	-0.0		J	-61.1	-0.3	7.4	0.0	-32.9	1.2				
			SLU 2	I	1.6	0.0	-9.8	-0.0	-18.6	-0.0	SLE freq	I	-60.7	-0.2	6.8	0.0	12.6	-0.5			
			J	1.6	0.0	3.1	-0.0	-1.7	-0.0		J	-52.5	-0.2	6.8	0.0	-29.3	1.0				
			SLU 3	I	1.3	0.0	-7.9	-0.0	-15.0	0.0	SLE qp	I	-46.1	-0.1	5.2	0.0	10.3	-0.3			
			J	1.3	0.0	2.3	-0.0	-1.1	-0.1		J	-38.0	-0.1	5.2	0.0	-21.9	0.6				
			SLV X	I	12.1	1.3	15.0	0.0	45.7	3.0	2767	1	2	SLU 1	I	-93.0	-0.3	-12.8	0.0	-27.3	-0.7
			J	12.1	1.3	19.4	0.0	39.8	3.6		J	-81.9	-0.3	-12.8	0.0	51.8	1.3				
			SLV Y	I	4.7	0.7	3.0	0.0	12.4	1.9		SLU 2	I	-86.9	-0.4	-12.1	0.0	-25.9	-0.8		
			J	4.7	0.7	7.4	0.0	12.9	2.2		J	-75.9	-0.4	-12.1	0.0	48.8	1.5				
			SLE ra~1	I	1.0	0.0	-5.7	-0.0	-11.0	-0.0	SLU 3	I	-77.5	-0.3	-11.0	0.0	-24.4	-0.6			
			J	1.0	0.0	1.5	-0.0	-0.7	-0.0		J	-66.5	-0.3	-11.0	0.0	44.0	1.2				
			SLE ra~2	I	1.1	0.0	-6.9	-0.0	-12.9	-0.0	SLV X	I	-26.6	23.5	1.6	0.0	16.5	75.3			
			J	1.1	0.0	2.2	-0.0	-1.2	-0.0		J	-18.4	23.5	1.6	0.0	37.0	71.4				
			SLErar~1	I	0.9	0.0	-5.6	-0.0	-10.6	0.0	SLV Y	I	-3.6	7.0	16.5	0.0	77.6	22.6			
			J	0.9	0.0	1.6	-0.0	-0.8	-0.0		J	4.6	7.0	16.5	0.0	68.8	22.3				
			SLE freq	I	0.9	0.0	-5.2	-0.0	-10.0	-0.0	SLE ra~1	I	-63.6	-0.2	-8.6	0.0	-18.5	-0.5			
			J	0.9	0.0	1.5	-0.0	-0.7	-0.0		J	-55.4	-0.2	-8.6	0.0	35.0	0.9				
			SLE qp	I	0.7	-0.0	-3.6	-0.0	-7.0	-0.0	SLE ra~2	I	-59.6	-0.3	-8.2	0.0	-17.5	-0.5			
			J	0.7	-0.0	0.8	-0.0	-0.2	0.0		J	-51.4	-0.3	-8.2	0.0	33.0	1.0				
2766	1	2	SLU 1	I	-112.1	-0.4	12.7	0.0	23.3	-0.9	SLErar~1	I	-53.3	-0.2	-7.5	0.0	-16.5	-0.4			
			J	-101.1	-0.4	12.7	0.0	-55.5	1.8		J	-45.2	-0.2	-7.5	0.0	29.8	0.9				
			SLU 2	I	-106.1	-0.5	12.0	0.0	21.9	-1.0	SLE freq	I	-52.7	-0.2	-6.8	0.0	-14.3	-0.4			
			J	-95.1	-0.5	12.0	0.0	-52.6	1.9		J	-44.5	-0.2	-6.8	0.0	27.7	0.8				
			SLU 3	I	-101.5	-0.4	11.0	0.0	19.3	-0.9	SLE qp	I	-46.1	-0.1	-5.2	-0.0	-10.3	-0.3			
			J	-90.5	-0.4	11.0	0.0	-48.7	1.8		J	-38.0	-0.1	-5.2	-0.0	21.9	0.6				
			SLV X	I	-26.6	23.5	12.0	0.0	37.2	75.3	2770	1	20	SLU 1	I	11.0	0.0	-23.7	0.0	-21.4	0.0
			J	-18.4	23.5	12.0	0.0	-6.8	71.4		J	11.0	0.0	-1.5	0.0	-4.0	-0.0				
			SLV Y	I	-3.6	7.0	27.0	0.0	98.3	22.6		SLU 2	I	10.5	0.0	-20.4	0.0	-19.6	0.0		
			J	4.6	7.0	27.0	0.0	24.9	22.3		J	10.5	0.0	-2.9	0.0	-3.6	-0.0				
			SLE ra~1	I	-76.4	-0.3	8.6	0.0	15.7	-0.6	SLU 3	I	9.6	0.0	-17.9	0.0	-16.3	0.0			
			J	-68.2	-0.3	8.6	0.0	-37.5	1.2		J	9.6	0.0	-0.9	0.0	-3.4	-0.0				
			SLE ra~2	I	-72.4	-0.3	8.1	0.0	14.8	-0.7	SLV X	I	12.4	2.4	1.7	0.0	7.9	1.8			
			J	-64.2	-0.3	8.1	0.0	-35.5	1.3		J	12.4	2.4	12.6	0.0	-1.8	1.5				

Stazione di Catenanuova
 Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	63 di 212

			SLV Y	I	9.9	1.6	29.1	0.0	45.7	1.5				SLU 2	I	-0.0	0.0	-3.2	0.0	-0.0	0.0		
				J	9.9	1.6	40.0	0.0	-1.9	0.8					J	-0.0	0.0	-19.6	0.0	14.8	0.0		
			SLE ra-1	I	7.4	0.0	-15.9	0.0	-14.5	0.0				SLU 3	I	-0.0	0.0	-2.0	0.0	-0.0	0.0		
				J	7.4	0.0	-1.1	0.0	-2.7	-0.0					J	-0.0	0.0	-17.9	0.0	12.9	0.0		
			SLE ra-2	I	7.1	0.0	-13.7	0.0	-13.3	0.0				SLV X	I	2.4	5.1	0.7	0.0	0.0	4.2		
				J	7.1	0.0	-2.0	0.0	-2.4	-0.0					J	2.4	5.1	-9.6	0.0	8.9	2.4		
			SLErar-1	I	6.5	0.0	-12.1	0.0	-11.1	0.0				SLV Y	I	3.9	2.0	0.3	0.0	-0.0	1.7		
				J	6.5	0.0	-0.7	0.0	-2.3	-0.0					J	3.9	2.0	-9.9	0.0	8.4	0.9		
			SLE freq	I	5.9	0.0	-12.7	0.0	-11.9	0.0				SLE ra-1	I	-0.0	0.0	-1.2	0.0	-0.0	0.0		
				J	5.9	0.0	-1.4	0.0	-2.2	-0.0					J	-0.0	0.0	-15.1	0.0	10.6	0.0		
			SLE qp	I	4.5	0.0	-12.1	0.0	-11.0	0.0				SLE ra-2	I	-0.0	0.0	-2.3	0.0	-0.0	0.0		
				J	4.5	0.0	-1.1	0.0	-1.9	-0.0					J	-0.0	0.0	-13.3	0.0	10.1	0.0		
2778	1	20	SLU 1	I	12.8	0.0	-22.8	-0.0	-22.8	0.0				SLErar-1	I	-0.0	0.0	-1.5	0.0	-0.0	0.0		
				J	12.8	0.0	-0.6	-0.0	-6.7	-0.0					J	-0.0	0.0	-12.2	0.0	8.9	0.0		
			SLU 2	I	12.0	0.0	-19.5	-0.0	-20.8	0.0				SLE freq	I	-0.0	0.0	-1.4	0.0	-0.0	0.0		
				J	12.0	0.0	-2.0	-0.0	-6.0	-0.0					J	-0.0	0.0	-12.0	0.0	8.7	0.0		
			SLU 3	I	11.0	0.0	-17.1	-0.0	-17.5	0.0				SLE qp	I	-0.0	0.0	-0.5	0.0	-0.0	0.0		
				J	11.0	0.0	-0.1	-0.0	-5.6	-0.0					J	-0.0	0.0	-10.8	0.0	7.3	0.0		
			SLV X	I	6.7	2.7	0.9	0.0	5.4	2.1			2787	1	2	SLU 1	I	-115.1	-2.1	11.0	-0.0	48.6	-8.6
				J	6.7	2.7	11.8	0.0	-2.8	1.7					J	-126.1	-2.1	11.0	-0.0	-19.9	4.2		
			SLV Y	I	8.4	1.3	27.2	0.0	41.9	1.1				SLU 2	I	-111.1	-2.3	10.6	-0.0	46.6	-9.5		
				J	8.4	1.3	38.1	0.0	-3.0	0.7					J	-122.1	-2.3	10.6	-0.0	-18.9	4.7		
			SLE ra-1	I	8.6	0.0	-15.3	-0.0	-15.4	0.0				SLU 3	I	-105.5	-2.1	9.6	0.0	43.2	-8.7		
				J	8.6	0.0	-0.5	-0.0	-4.5	-0.0					J	-116.5	-2.1	9.6	0.0	-16.6	4.3		
			SLE ra-2	I	8.1	0.0	-13.1	-0.0	-14.1	0.0				SLV X	I	-8.9	20.2	12.7	0.0	38.7	56.4		
				J	8.1	0.0	-1.4	-0.0	-4.1	-0.0					J	-17.0	20.2	12.7	0.0	21.8	71.5		
			SLErar-1	I	7.5	0.0	-11.5	-0.0	-11.9	0.0				SLV Y	I	8.8	6.1	29.1	0.0	73.5	17.0		
				J	7.5	0.0	-0.1	-0.0	-3.8	-0.0					J	0.6	6.1	29.1	0.0	88.6	23.5		
			SLE freq	I	6.8	0.0	-12.1	-0.0	-12.5	0.0				SLE ra-1	I	-78.0	-1.4	7.5	-0.0	32.9	-5.9		
				J	6.8	0.0	-0.8	-0.0	-3.6	-0.0					J	-86.2	-1.4	7.5	-0.0	-13.5	2.9		
			SLE qp	I	5.2	0.0	-11.5	-0.0	-11.3	0.0				SLE ra-2	I	-75.4	-1.6	7.2	-0.0	31.6	-6.5		
				J	5.2	0.0	-0.5	-0.0	-3.1	-0.0					J	-83.5	-1.6	7.2	-0.0	-12.9	3.2		
2784	1	20	SLU 1	I	-0.0	0.0	-1.5	0.0	-0.0	0.0				SLErar-1	I	-71.6	-1.5	6.6	0.0	29.3	-6.0		
				J	-0.0	0.0	-22.4	0.0	15.5	0.0					J	-79.8	-1.5	6.6	0.0	-11.3	3.0		



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Stazione di Catenanuova
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			SLE freq	I	-61.0	-1.2	5.9	-0.0	25.9	-4.9					SLE ra~1	I	-0.0	-0.0	38.8	-0.0	54.1	-0.0
				J	-69.2	-1.2	5.9	-0.0	-10.9	2.4						J	-0.0	-0.0	24.4	-0.0	13.0	0.0
			SLE qp	I	-43.1	-0.7	4.5	-0.0	19.1	-3.0					SLE ra~2	I	-0.0	-0.0	35.8	-0.0	51.7	-0.0
				J	-51.3	-0.7	4.5	-0.0	-9.0	1.5						J	-0.0	-0.0	24.4	-0.0	12.5	0.0
2788	1	2	SLU 1	I	-91.3	-1.6	-11.0	0.0	-44.3	-6.4					SLErar~1	I	-0.0	-0.0	34.1	-0.0	48.9	-0.0
				J	-102.3	-1.6	-11.0	0.0	23.9	3.2						J	-0.0	-0.0	22.8	-0.0	11.9	0.0
			SLU 2	I	-87.3	-1.8	-10.5	0.0	-42.3	-7.3					SLE freq	I	-0.0	-0.0	29.9	-0.0	42.0	-0.0
				J	-98.3	-1.8	-10.5	0.0	23.0	3.6						J	-0.0	-0.0	19.0	-0.0	10.2	0.0
			SLU 3	I	-75.8	-1.5	-9.6	0.0	-37.9	-6.1					SLE qp	I	-0.0	-0.0	22.7	-0.0	30.1	-0.0
				J	-86.8	-1.5	-9.6	0.0	21.6	3.0						J	-0.0	-0.0	12.4	-0.0	7.3	0.0
			SLV X	I	-8.9	20.2	3.6	0.0	0.4	56.4		2827	1	8	SLU 1	I	0.1	0.0	-3.6	-0.0	-3.3	0.0
				J	-17.0	20.2	3.6	0.0	39.8	71.5						J	0.1	0.0	5.2	-0.0	-7.2	-0.0
			SLV Y	I	8.8	6.1	20.0	0.0	35.2	16.9					SLU 2	I	0.1	0.0	-5.0	-0.0	-4.6	0.0
				J	0.6	6.1	20.0	0.0	106.6	23.5						J	0.1	0.0	6.7	-0.0	-8.8	-0.0
			SLE ra~1	I	-62.2	-1.1	-7.5	0.0	-30.1	-4.5					SLU 3	I	0.1	0.0	-4.0	-0.0	-3.6	0.0
				J	-70.4	-1.1	-7.5	0.0	16.2	2.2						J	0.1	0.0	5.5	-0.0	-7.4	-0.0
			SLE ra~2	I	-59.5	-1.2	-7.1	0.0	-28.7	-5.1					SLV X	I	2.7	0.0	0.9	0.0	1.0	0.1
				J	-67.7	-1.2	-7.1	0.0	15.6	2.5						J	2.7	0.0	2.4	0.0	3.0	0.1
			SLErar~1	I	-51.8	-1.0	-6.5	0.0	-25.8	-4.3					SLV Y	I	0.8	0.1	-0.0	0.0	0.1	0.2
				J	-60.0	-1.0	-6.5	0.0	14.7	2.1						J	0.8	0.1	1.5	0.0	-0.6	0.2
			SLE freq	I	-51.1	-1.0	-5.9	0.0	-24.1	-4.0					SLE ra~1	I	0.1	0.0	-2.5	-0.0	-2.2	0.0
				J	-59.3	-1.0	-5.9	0.0	12.6	2.0						J	0.1	0.0	3.6	-0.0	-5.0	-0.0
			SLE qp	I	-43.1	-0.7	-4.5	0.0	-19.1	-3.0					SLE ra~2	I	0.1	0.0	-3.4	-0.0	-3.1	0.0
				J	-51.3	-0.7	-4.5	0.0	9.0	1.5						J	0.1	0.0	4.6	-0.0	-6.0	-0.0
2812	1	20	SLU 1	I	-0.0	-0.0	57.6	-0.0	80.0	-0.0					SLErar~1	I	0.1	0.0	-2.7	-0.0	-2.4	0.0
				J	-0.0	-0.0	36.0	-0.0	19.2	0.0						J	0.1	0.0	3.8	-0.0	-5.1	-0.0
			SLU 2	I	-0.0	-0.1	53.1	-0.0	76.3	-0.0					SLE freq	I	0.1	0.0	-2.0	-0.0	-1.8	0.0
				J	-0.0	-0.1	36.0	-0.0	18.4	0.0						J	0.1	0.0	2.9	-0.0	-4.2	-0.0
			SLU 3	I	-0.0	-0.0	50.5	-0.0	72.2	-0.0					SLE qp	I	0.0	0.0	-0.4	-0.0	-0.3	0.0
				J	-0.0	-0.0	33.7	-0.0	17.5	0.0						J	0.0	0.0	1.1	-0.0	-2.1	-0.0
			SLV X	I	6.1	9.9	26.5	0.0	36.7	9.3		2847	1	20	SLU 1	I	12.7	-0.0	7.3	0.0	-6.7	-0.0
				J	6.1	9.9	16.2	0.0	8.9	3.6						J	12.7	-0.0	30.2	0.0	-32.5	0.0
			SLV Y	I	10.8	3.9	25.3	0.0	34.7	3.6					SLU 2	I	12.0	-0.0	8.7	0.0	-6.0	-0.0
				J	10.8	3.9	15.0	0.0	8.4	1.4						J	12.0	-0.0	26.9	0.0	-30.5	0.0



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SLU 3	I	11.0	-0.0	8.4	0.0	-5.6	-0.0			SLE qp	I	4.5	-0.0	1.1	-0.0	-1.9	-0.0		
	J	11.0	-0.0	26.4	0.0	-29.6	0.0				J	4.5	-0.0	12.1	-0.0	-11.0	0.0		
SLV X	I	6.7	2.7	12.8	0.0	-2.8	1.7	2868	1	8	SLU 1	I	0.1	-0.0	-5.1	0.0	-4.4	-0.0	
	J	6.7	2.7	23.8	0.0	5.4	2.1				J	0.1	-0.0	5.7	0.0	-5.8	0.0		
SLV Y	I	8.4	1.3	39.2	0.0	-3.0	0.7				SLU 2	I	0.1	-0.0	-6.4	0.0	-5.6	-0.0	
	J	8.4	1.3	50.1	0.0	41.9	1.1				J	0.1	-0.0	7.2	0.0	-7.5	0.0		
SLE ra~1	I	8.6	-0.0	4.9	0.0	-4.5	-0.0				SLU 3	I	0.1	-0.0	-5.7	0.0	-4.9	-0.0	
	J	8.6	-0.0	20.3	0.0	-21.9	0.0				J	0.1	-0.0	6.4	0.0	-6.7	0.0		
SLE ra~2	I	8.1	-0.0	5.8	0.0	-4.1	-0.0				SLV X	I	3.6	0.9	0.2	0.0	0.2	2.2	
	J	8.1	-0.0	18.1	0.0	-20.5	0.0				J	3.6	0.9	1.7	0.0	2.8	2.2		
SLErar~1	I	7.5	-0.0	5.7	0.0	-3.8	-0.0				SLV Y	I	2.2	0.3	-0.4	0.0	-0.2	0.8	
	J	7.5	-0.0	17.7	0.0	-19.9	0.0				J	2.2	0.3	1.1	0.0	0.4	0.8		
SLE freq	I	6.8	-0.0	3.6	0.0	-3.6	-0.0				SLE ra~1	I	0.1	-0.0	-3.5	0.0	-3.0	-0.0	
	J	6.8	-0.0	15.2	0.0	-16.5	0.0				J	0.1	-0.0	3.9	0.0	-4.0	0.0		
SLE qp	I	5.2	-0.0	0.5	0.0	-3.1	-0.0				SLE ra~2	I	0.1	-0.0	-4.3	0.0	-3.8	-0.0	
	J	5.2	-0.0	11.5	0.0	-11.3	0.0				J	0.1	-0.0	4.9	0.0	-5.1	0.0		
2849	1	20	SLU 1	I	11.0	-0.0	8.5	0.0	-4.0	-0.0		SLERar~1	I	0.1	-0.0	-3.8	0.0	-3.3	-0.0
	J	11.0	-0.0	31.4	0.0	-31.5	0.0				J	0.1	-0.0	4.3	0.0	-4.6	0.0		
SLU 2	I	10.5	-0.1	9.9	0.0	-3.6	-0.0				SLE freq	I	0.1	-0.0	-2.7	0.0	-2.3	-0.0	
	J	10.5	-0.1	28.1	0.0	-29.8	0.0				J	0.1	-0.0	3.1	0.0	-3.2	0.0		
SLU 3	I	9.6	-0.0	9.6	0.0	-3.4	-0.0				SLE qp	I	0.0	-0.0	-0.7	0.0	-0.4	-0.0	
	J	9.6	-0.0	27.6	0.0	-29.0	0.0				J	0.0	-0.0	0.8	0.0	-0.9	0.0		
SLV X	I	12.4	2.4	14.9	0.0	-1.8	1.5	2888	1	20	SLU 1	I	0.0	0.0	28.6	0.0	23.2	0.0	
	J	12.4	2.4	25.8	0.0	7.9	1.8				J	0.0	0.0	7.1	0.0	-0.0	0.0		
SLV Y	I	9.9	1.6	42.3	0.0	-1.9	0.8				SLU 2	I	0.0	0.0	25.4	0.0	21.9	0.0	
	J	9.9	1.6	53.2	0.0	45.7	1.5				J	0.0	0.0	8.3	0.0	-0.0	0.0		
SLE ra~1	I	7.4	-0.0	5.7	0.0	-2.7	-0.0				SLU 3	I	0.0	0.0	24.4	0.0	20.7	0.0	
	J	7.4	-0.0	21.1	0.0	-21.2	0.0				J	0.0	0.0	7.5	0.0	-0.0	0.0		
SLE ra~2	I	7.1	-0.0	6.7	0.0	-2.4	-0.0				SLV X	I	1.0	3.5	12.9	0.0	10.1	1.4	
	J	7.1	-0.0	18.9	0.0	-20.1	0.0				J	1.0	3.5	2.6	0.0	0.0	3.1		
SLErar~1	I	6.5	-0.0	6.5	0.0	-2.3	-0.0				SLV Y	I	3.3	1.3	14.0	0.0	11.5	0.5	
	J	6.5	-0.0	18.5	0.0	-19.6	0.0				J	3.3	1.3	3.7	0.0	0.0	1.1		
SLE freq	I	5.9	-0.0	4.3	0.0	-2.2	-0.0				SLE ra~1	I	0.0	0.0	19.3	0.0	15.7	0.0	
	J	5.9	-0.0	15.9	0.0	-16.1	0.0				J	0.0	0.0	4.9	0.0	-0.0	0.0		



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			SLE ra~2	I	0.0	0.0	17.1	0.0	14.9	0.0				SLV X	I	3.6	0.9	0.2	0.0	0.2	2.2		
				J	0.0	0.0	5.7	0.0	-0.0	0.0					J	3.6	0.9	1.7	0.0	2.8	2.2		
			SLE rar~1	I	0.0	0.0	16.4	0.0	14.0	0.0				SLV Y	I	2.2	0.3	-0.4	0.0	-0.2	0.8		
				J	0.0	0.0	5.2	0.0	-0.0	0.0					J	2.2	0.3	1.1	0.0	0.4	0.8		
			SLE freq	I	0.0	0.0	14.9	0.0	12.2	0.0				SLE ra~1	I	0.1	0.0	-2.1	-0.0	-1.6	0.0		
				J	0.0	0.0	4.0	0.0	-0.0	0.0					J	0.1	0.0	2.2	-0.0	-2.0	-0.0		
			SLE qp	I	0.0	0.0	12.1	0.0	9.1	0.0				SLE ra~2	I	0.1	0.0	-2.9	-0.0	-2.5	0.0		
				J	0.0	0.0	1.8	0.0	-0.0	0.0					J	0.1	0.0	3.2	-0.0	-3.1	-0.0		
2890	1	20	SLU 1	I	-0.0	0.0	25.5	-0.0	19.2	0.0				SLERar~1	I	0.1	0.0	-2.0	-0.0	-1.7	0.0		
				J	-0.0	0.0	4.0	-0.0	-0.0	0.0					J	0.1	0.0	2.2	-0.0	-2.1	-0.0		
			SLU 2	I	-0.0	0.0	22.7	-0.0	18.5	0.0				SLE freq	I	0.1	0.0	-1.8	-0.0	-1.4	0.0		
				J	-0.0	0.0	5.7	-0.0	-0.0	0.0					J	0.1	0.0	2.0	-0.0	-2.0	-0.0		
			SLU 3	I	-0.0	0.0	21.9	-0.0	17.5	0.0				SLE qp	I	0.0	0.0	-0.7	-0.0	-0.4	0.0		
				J	-0.0	0.0	5.1	-0.0	-0.0	0.0					J	0.0	0.0	0.8	-0.0	-0.9	-0.0		
			SLV X	I	2.4	5.1	12.0	-0.0	8.9	2.4			2929	1	20	SLU 1	I	-0.0	0.0	-31.7	-0.0	19.9	0.0
				J	2.4	5.1	1.7	-0.0	0.0	4.2					J	-0.0	0.0	-52.5	-0.0	74.6	-0.0		
			SLV Y	I	3.9	2.0	11.6	-0.0	8.4	0.9					SLU 2	I	-0.0	0.0	-31.1	-0.0	18.6	0.0	
				J	3.9	2.0	1.4	-0.0	-0.0	1.7					J	-0.0	0.0	-47.5	-0.0	69.6	-0.0		
			SLE ra~1	I	-0.0	0.0	17.2	-0.0	13.0	0.0					SLU 3	I	-0.0	0.0	-26.6	-0.0	16.5	0.0	
				J	-0.0	0.0	2.8	-0.0	-0.0	0.0					J	-0.0	0.0	-42.6	-0.0	61.5	-0.0		
			SLE ra~2	I	-0.0	0.0	15.4	-0.0	12.5	0.0					SLV X	I	2.8	9.2	-11.2	0.0	10.1	3.0	
				J	-0.0	0.0	3.9	-0.0	-0.0	0.0					J	2.8	9.2	-21.5	0.0	37.2	8.9		
			SLE rar~1	I	-0.0	0.0	14.8	-0.0	11.9	0.0					SLV Y	I	9.1	3.2	-9.9	0.0	11.5	1.1	
				J	-0.0	0.0	3.5	-0.0	-0.0	0.0					J	9.1	3.2	-20.2	0.0	40.3	3.1		
			SLE freq	I	-0.0	0.0	13.3	-0.0	10.2	0.0					SLE ra~1	I	-0.0	0.0	-21.5	-0.0	13.5	0.0	
				J	-0.0	0.0	2.4	-0.0	-0.0	0.0					J	-0.0	0.0	-35.4	-0.0	50.4	-0.0		
			SLE qp	I	-0.0	-0.0	10.8	-0.0	7.3	0.0					SLE ra~2	I	-0.0	0.0	-21.1	-0.0	12.6	0.0	
				J	-0.0	-0.0	0.5	-0.0	-0.0	0.0					J	-0.0	0.0	-32.0	-0.0	47.1	-0.0		
2909	1	8	SLU 1	I	0.1	0.0	-3.0	-0.0	-2.4	0.0				SLERar~1	I	-0.0	0.0	-18.1	-0.0	11.2	0.0		
				J	0.1	0.0	3.2	-0.0	-2.8	-0.0					J	-0.0	0.0	-28.8	-0.0	41.7	-0.0		
			SLU 2	I	0.1	0.0	-4.3	-0.0	-3.6	0.0					SLE freq	I	-0.0	0.0	-17.3	-0.0	10.8	0.0	
				J	0.1	0.0	4.6	-0.0	-4.5	-0.0					J	-0.0	0.0	-27.9	-0.0	40.2	-0.0		
			SLU 3	I	0.1	0.0	-3.0	-0.0	-2.4	0.0					SLE qp	I	-0.0	0.0	-13.5	-0.0	9.1	0.0	
				J	0.1	0.0	3.2	-0.0	-3.0	-0.0					J	-0.0	0.0	-23.8	-0.0	33.3	-0.0		



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	67 di 212

2931	I	20	SLU 1	I	-0.0	0.1	-28.1	0.0	15.5	0.0	SLErar~1	I	-0.0	0.0	-2.7	0.0	-2.2	0.0			
	J			J	-0.0	0.1	-49.0	0.0	65.7	-0.0		J	-0.0	0.0	2.1	0.0	-0.5	-0.0			
			SLU 2	I	-0.0	0.1	-28.1	0.0	14.8	0.0	SLE freq	I	-0.0	-0.0	-2.1	0.0	-1.6	-0.0			
	J			J	-0.0	0.1	-44.5	0.0	61.9	-0.1		J	-0.0	-0.0	1.5	0.0	0.0	-0.0			
			SLU 3	I	-0.0	0.1	-23.8	0.0	12.9	0.0	SLE qp	I	0.0	-0.0	-1.1	0.0	-0.7	-0.0			
	J			J	-0.0	0.1	-39.8	0.0	54.3	-0.0		J	0.0	-0.0	0.4	0.0	1.0	0.0			
			SLV X	I	6.1	10.0	-8.6	0.0	8.9	3.6	2970	I	8	SLU 1	I	0.0	0.0	-2.8	-0.0	-1.8	0.0
	J			J	6.1	10.0	-18.9	0.0	36.7	9.3		J			J	0.0	0.0	1.2	-0.0	2.2	-0.0
			SLV Y	I	10.8	3.9	-9.7	0.0	8.4	1.4		SLU 2	I		I	0.0	0.0	-3.4	-0.0	-2.4	0.0
	J			J	10.8	3.9	-20.0	0.0	34.7	3.6		J			J	0.0	0.0	2.1	-0.0	0.8	-0.0
			SLE ra~1	I	-0.0	0.0	-19.1	0.0	10.6	0.0		SLU 3	I		I	0.0	0.0	-2.7	-0.0	-1.8	0.0
	J			J	-0.0	0.0	-33.1	0.0	44.5	-0.0		J			J	0.0	0.0	1.4	-0.0	1.4	-0.0
			SLE ra~2	I	-0.0	0.0	-19.1	0.0	10.1	0.0		SLV X	I		I	4.0	0.6	-0.7	0.0	-0.4	1.6
	J			J	-0.0	0.0	-30.1	0.0	42.1	-0.0		J			J	4.0	0.6	0.8	0.0	3.2	1.5
			SLErar~1	I	-0.0	0.0	-16.3	0.0	8.9	0.0		SLV Y	I		I	2.0	0.2	-0.7	0.0	-0.5	0.6
	J			J	-0.0	0.0	-27.0	0.0	36.9	-0.0		J			J	2.0	0.2	0.8	0.0	3.0	0.6
			SLE freq	I	-0.0	0.0	-15.7	0.0	8.7	0.0		SLE ra~1	I		I	0.0	0.0	-2.0	-0.0	-1.3	0.0
	J			J	-0.0	0.0	-26.3	0.0	36.0	-0.0		J			J	0.0	0.0	0.9	-0.0	1.4	-0.0
			SLE qp	I	-0.0	0.0	-12.4	0.0	7.3	0.0		SLE ra~2	I		I	0.0	0.0	-2.3	-0.0	-1.7	0.0
	J			J	-0.0	0.0	-22.7	0.0	30.1	-0.0		J			J	0.0	0.0	1.5	-0.0	0.5	-0.0
2950	I	8	SLU 1	I	-0.0	0.0	-3.9	0.0	-2.9	0.0	SLErar~1	I		I	0.0	0.0	-1.9	-0.0	-1.3	0.0	
	J			J	-0.0	0.0	2.5	0.0	0.5	-0.0		J			J	0.0	0.0	1.0	-0.0	0.8	-0.0
			SLU 2	I	-0.0	0.0	-4.4	0.0	-3.5	0.0	SLE freq	I		I	0.0	0.0	-1.7	-0.0	-1.2	0.0	
	J			J	-0.0	0.0	3.4	0.0	-0.8	-0.0		J			J	0.0	0.0	0.9	-0.0	0.7	-0.0
			SLU 3	I	-0.0	0.0	-4.0	0.0	-3.2	0.0	SLE qp	I		I	0.0	0.0	-1.1	-0.0	-0.7	0.0	
	J			J	-0.0	0.0	3.0	0.0	-0.7	-0.0		J			J	0.0	0.0	0.4	-0.0	1.0	-0.0
			SLV X	I	4.0	0.6	-0.7	0.0	-0.4	1.6	2971	I	20	SLU 1	I	-0.0	-0.0	60.6	0.0	87.1	-0.0
	J			J	4.0	0.6	0.8	0.0	3.2	1.5		J			J	-0.0	-0.0	39.0	0.0	22.4	0.0
			SLV Y	I	2.0	0.2	-0.7	0.0	-0.5	0.6		SLU 2	I		I	-0.0	-0.0	55.7	0.0	82.6	-0.0
	J			J	2.0	0.2	0.8	0.0	3.0	0.6		J			J	-0.0	-0.0	38.7	0.0	21.3	0.0
			SLE ra~1	I	-0.0	0.0	-2.7	0.0	-2.0	0.0		SLU 3	I		I	-0.0	-0.0	52.9	0.0	77.9	-0.0
	J			J	-0.0	0.0	1.8	0.0	0.3	-0.0		J			J	-0.0	-0.0	36.0	0.0	20.1	0.0
			SLE ra~2	I	-0.0	0.0	-3.0	0.0	-2.4	0.0		SLV X	I		I	2.7	9.3	24.5	0.0	34.5	9.0
	J			J	-0.0	0.0	2.3	0.0	-0.6	-0.0		J			J	2.7	9.3	14.2	0.0	9.4	3.1

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SLV Y	I	9.0	3.1	26.4	0.0	38.3	3.0	SLU 2	I	1.5	-0.0	-8.0	-0.0	-4.8	-0.0
J		9.0	3.1	16.1	0.0	10.6	1.0	J		1.5	-0.0	9.7	-0.0	-9.0	0.0
SLE ra~1	I	-0.0	-0.0	40.8	0.0	58.8	-0.0	SLU 3	I	1.4	-0.0	-7.3	-0.0	-4.3	-0.1
J		-0.0	-0.0	26.4	0.0	15.2	0.0	J		1.4	-0.0	8.9	-0.0	-8.1	0.0
SLE ra~2	I	-0.0	-0.0	37.6	0.0	55.8	-0.0	SLV X	I	9.0	1.5	11.0	0.0	30.4	3.8
J		-0.0	-0.0	26.1	0.0	14.4	0.0	J		9.0	1.5	15.4	0.0	31.2	3.8
SLErar~1	I	-0.0	-0.0	35.7	0.0	52.7	-0.0	SLV Y	I	3.5	0.7	2.1	0.0	9.3	1.8
J		-0.0	-0.0	24.4	0.0	13.6	0.0	J		3.5	0.7	6.5	0.0	8.1	2.0
SLE freq	I	-0.0	-0.0	31.3	0.0	45.4	-0.0	SLE ra~1	I	1.0	-0.0	-4.7	-0.0	-2.6	-0.0
J		-0.0	-0.0	20.4	0.0	11.8	0.0	J		1.0	-0.0	5.7	-0.0	-5.2	0.0
SLE qp	I	-0.0	-0.0	23.7	0.0	32.7	-0.0	SLE ra~2	I	1.1	-0.0	-5.6	-0.0	-3.3	-0.0
J		-0.0	-0.0	13.4	0.0	8.7	0.0	J		1.1	-0.0	6.7	-0.0	-6.2	0.0
2972 I 20 SLU 1	I	0.0	-0.0	-4.1	-0.0	0.0	0.0	SLErar~1	I	1.0	-0.0	-5.1	-0.0	-2.9	-0.0
J		0.0	-0.0	-25.0	-0.0	18.9	0.0	J		1.0	-0.0	6.1	-0.0	-5.6	0.0
SLU 2	I	-0.0	-0.0	-5.5	0.0	0.0	0.0	SLE freq	I	0.8	-0.0	-3.9	-0.0	-2.2	-0.0
J		-0.0	-0.0	-21.9	0.0	17.8	0.0	J		0.8	-0.0	4.8	-0.0	-4.4	0.0
SLU 3	I	0.0	-0.0	-4.1	-0.0	0.0	0.0	SLE qp	I	0.5	-0.0	-1.9	-0.0	-0.8	-0.0
J		0.0	-0.0	-20.1	-0.0	15.7	0.0	J		0.5	-0.0	2.5	-0.0	-2.1	0.0
SLV X	I	1.0	3.5	-0.9	0.0	0.0	3.2	2974 I 34 SLU 1	I	1.0	-0.0	-4.5	0.0	-2.2	-0.0
J		1.0	3.5	-11.2	0.0	9.4	1.4	J		1.0	-0.0	5.7	0.0	-5.1	0.0
SLV Y	I	3.2	1.2	-0.0	0.0	0.0	1.1	SLU 2	I	1.2	-0.0	-5.8	0.0	-3.2	-0.0
J		3.2	1.2	-10.3	0.0	10.6	0.5	J		1.2	-0.0	7.1	0.0	-6.5	0.0
SLE ra~1	I	0.0	-0.0	-2.9	-0.0	0.0	0.0	SLU 3	I	1.0	-0.0	-4.5	0.0	-2.4	-0.0
J		0.0	-0.0	-16.9	-0.0	12.8	0.0	J		1.0	-0.0	5.6	0.0	-5.1	0.0
SLE ra~2	I	-0.0	-0.0	-3.8	0.0	0.0	0.0	SLV X	I	9.0	1.5	11.0	0.0	30.4	3.8
J		-0.0	-0.0	-14.8	0.0	12.1	0.0	J		9.0	1.5	15.4	0.0	31.2	3.8
SLErar~1	I	0.0	-0.0	-2.9	0.0	0.0	0.0	SLV Y	I	3.5	0.7	2.1	0.0	9.3	1.8
J		0.0	-0.0	-13.6	0.0	10.7	0.0	J		3.5	0.7	6.5	0.0	8.1	2.0
SLE freq	I	-0.0	-0.0	-2.7	0.0	0.0	0.0	SLE ra~1	I	0.7	-0.0	-3.2	0.0	-1.6	-0.0
J		-0.0	-0.0	-13.3	0.0	10.4	0.0	J		0.7	-0.0	4.0	0.0	-3.6	0.0
SLE qp	I	-0.0	-0.0	-1.5	0.0	0.0	0.0	SLE ra~2	I	0.8	-0.0	-4.1	0.0	-2.3	-0.0
J		-0.0	-0.0	-11.8	0.0	8.7	0.0	J		0.8	-0.0	5.0	0.0	-4.5	0.0
2973 I 34 SLU 1	I	1.4	-0.0	-6.7	-0.0	-3.7	-0.0	SLErar~1	I	0.7	-0.0	-3.2	0.0	-1.7	-0.0
J		1.4	-0.0	8.2	-0.0	-7.6	0.0	J		0.7	-0.0	4.0	0.0	-3.6	0.0



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RS3E	50	D 78 CL	FV0100 001	A	69 di 212

			SLE freq	I	0.7	-0.0	-3.0	0.0	-1.5	-0.0				SLE ra~1	I	-66.7	0.0	-8.4	-0.0	-18.0	0.1	
				J	0.7	-0.0	3.7	0.0	-3.3	0.0					J	-58.5	0.0	-8.4	-0.0	34.1	-0.2	
			SLE qp	I	0.5	0.0	-1.9	0.0	-0.8	0.0				SLE ra~2	I	-63.2	0.0	-8.0	-0.0	-17.2	0.1	
				J	0.5	0.0	2.5	0.0	-2.1	-0.0					J	-55.1	0.0	-8.0	-0.0	32.3	-0.2	
2975	1	2	SLU 1	I	-118.3	0.1	12.4	-0.0	22.7	0.1				SLErar~1	I	-56.3	0.0	-7.3	-0.0	-16.2	0.1	
				J	-107.3	0.1	12.4	-0.0	-54.4	-0.3					J	-48.1	0.0	-7.3	-0.0	29.1	-0.2	
			SLU 2	I	-113.2	0.1	11.8	-0.0	21.5	0.1				SLE freq	I	-55.6	0.0	-6.6	-0.0	-14.0	0.1	
				J	-102.2	0.1	11.8	-0.0	-51.8	-0.3					J	-47.4	0.0	-6.6	-0.0	27.1	-0.1	
			SLU 3	I	-108.1	0.1	10.8	-0.0	18.9	0.1				SLE qp	I	-48.3	0.0	-5.1	-0.0	-10.1	0.0	
				J	-97.0	0.1	10.8	-0.0	-48.0	-0.3					J	-40.1	0.0	-5.1	-0.0	21.4	-0.1	
			SLV X	I	-34.9	23.0	11.5	0.0	35.9	74.4		2977	1	20	SLU 1	I	12.4	0.0	-23.3	0.0	-22.7	0.0
				J	-26.8	23.0	11.5	0.0	-7.4	68.2					J	12.4	0.0	-1.1	0.0	-5.9	-0.0	
			SLV Y	I	-7.7	6.9	26.3	0.0	95.9	22.4				SLU 2	I	11.8	0.0	-20.0	0.0	-20.9	0.0	
				J	0.5	6.9	26.3	0.0	24.5	20.5					J	11.8	0.0	-2.6	0.0	-5.3	-0.0	
			SLE ra~1	I	-80.7	0.0	8.4	-0.0	15.4	0.1				SLU 3	I	10.8	0.0	-17.6	0.0	-17.5	0.0	
				J	-72.5	0.0	8.4	-0.0	-36.8	-0.2					J	10.8	0.0	-0.6	0.0	-5.0	-0.0	
			SLE ra~2	I	-77.3	0.1	8.0	-0.0	14.6	0.1				SLV X	I	6.0	2.8	-0.4	0.0	4.1	2.1	
				J	-69.1	0.1	8.0	-0.0	-35.1	-0.2					J	6.0	2.8	10.5	0.0	-2.5	1.8	
			SLErar~1	I	-73.9	0.0	7.3	-0.0	12.9	0.1				SLV Y	I	8.1	1.2	25.5	0.0	39.9	1.0	
				J	-65.7	0.0	7.3	-0.0	-32.5	-0.2					J	8.1	1.2	36.4	0.0	-2.7	0.6	
			SLE freq	I	-64.3	0.0	6.6	-0.0	12.3	0.1				SLE ra~1	I	8.4	0.0	-15.7	0.0	-15.4	0.0	
				J	-56.2	0.0	6.6	-0.0	-28.8	-0.2					J	8.4	0.0	-0.8	0.0	-4.0	-0.0	
			SLE qp	I	-48.3	0.0	5.1	-0.0	10.1	0.0				SLE ra~2	I	8.0	0.0	-13.5	0.0	-14.1	0.0	
				J	-40.1	0.0	5.1	-0.0	-21.4	-0.1					J	8.0	0.0	-1.8	0.0	-3.6	-0.0	
2976	1	2	SLU 1	I	-97.3	0.1	-12.4	-0.0	-26.7	0.1				SLErar~1	I	7.3	0.0	-11.9	0.0	-11.9	0.0	
				J	-86.2	0.1	-12.4	-0.0	50.4	-0.2					J	7.3	0.0	-0.5	0.0	-3.4	-0.0	
			SLU 2	I	-92.1	0.1	-11.8	-0.0	-25.5	0.1				SLE freq	I	6.6	0.0	-12.4	0.0	-12.5	0.0	
				J	-81.1	0.1	-11.8	-0.0	47.7	-0.3					J	6.6	0.0	-1.1	0.0	-3.2	-0.0	
			SLU 3	I	-81.7	0.0	-10.8	-0.0	-23.9	0.1				SLE qp	I	5.1	0.0	-11.7	0.0	-11.4	0.0	
				J	-70.7	0.0	-10.8	-0.0	42.9	-0.2					J	5.1	0.0	-0.8	0.0	-2.7	-0.0	
			SLV X	I	-34.9	23.0	1.3	0.0	15.8	74.4		2978	1	8	SLU 1	I	0.2	0.0	-4.6	0.0	-4.2	0.0
				J	-26.7	23.0	1.3	0.0	35.3	68.1					J	0.2	0.0	4.2	0.0	-3.3	-0.0	
			SLV Y	I	-7.7	6.9	16.2	0.0	75.7	22.4				SLU 2	I	0.2	0.0	-6.1	0.0	-5.5	0.0	
				J	0.5	6.9	16.2	0.0	67.2	20.5					J	0.2	0.0	5.7	0.0	-4.6	-0.0	



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SLU 3	I	0.2	0.0	-4.9	0.0	-4.5	0.0			SLE qp	I	5.1	-0.0	0.8	-0.0	-2.7	-0.0				
	J	0.2	0.0	4.5	0.0	-3.6	-0.0				J	5.1	-0.0	11.7	-0.0	-11.4	0.0				
SLV X	I	1.8	0.0	-0.5	0.0	-0.4	0.0	2980	1	8	SLU 1	I	0.1	-0.0	-5.6	-0.0	-5.1	-0.0			
	J	1.8	0.0	1.0	0.0	1.0	0.0				J	0.1	-0.0	5.3	-0.0	-4.4	0.0				
SLV Y	I	0.6	0.1	-0.7	0.0	-0.6	0.1				SLU 2	I	0.1	-0.0	-6.9	-0.0	-6.4	-0.0			
	J	0.6	0.1	0.8	0.0	0.1	0.1				J	0.1	-0.0	6.7	-0.0	-5.6	0.0				
SLE ra~1	I	0.1	0.0	-3.1	0.0	-2.9	0.0				SLU 3	I	0.1	-0.0	-6.1	-0.0	-5.6	-0.0			
	J	0.1	0.0	2.9	0.0	-2.2	-0.0				J	0.1	-0.0	5.9	-0.0	-4.9	0.0				
SLE ra~2	I	0.1	0.0	-4.1	0.0	-3.8	0.0				SLV X	I	2.8	0.9	-0.7	0.0	-0.6	2.2			
	J	0.1	0.0	3.8	0.0	-3.1	-0.0				J	2.8	0.9	0.8	0.0	0.2	2.2				
SLErar~1	I	0.1	0.0	-3.3	0.0	-3.0	0.0				SLV Y	I	2.1	0.3	-0.7	0.0	-0.6	0.8			
	J	0.1	0.0	3.1	0.0	-2.4	-0.0				J	2.1	0.3	0.8	0.0	-0.2	0.8				
SLE freq	I	0.1	0.0	-2.6	0.0	-2.3	0.0				SLE ra~1	I	0.1	-0.0	-3.8	-0.0	-3.5	-0.0			
	J	0.1	0.0	2.4	0.0	-1.8	-0.0				J	0.1	-0.0	3.6	-0.0	-3.0	0.0				
SLE qp	I	0.1	0.0	-0.8	-0.0	-0.7	0.0				SLE ra~2	I	0.1	-0.0	-4.7	-0.0	-4.3	-0.0			
	J	0.1	0.0	0.7	-0.0	-0.3	-0.0				J	0.1	-0.0	4.5	-0.0	-3.8	0.0				
2979	1	20	SLU 1	I	12.4	-0.0	7.9	-0.0	-5.9	-0.0	SLErar~1	I	0.1	-0.0	-4.2	-0.0	-3.8	-0.0			
				J	12.4	-0.0	30.9	-0.0	-32.7	0.0	J	0.1	-0.0	4.0	-0.0	-3.3	0.0				
			SLU 2	I	11.8	-0.0	9.4	-0.0	-5.3	-0.0	SLE freq	I	0.1	-0.0	-3.0	-0.0	-2.7	-0.0			
				J	11.8	-0.0	27.6	-0.0	-30.8	0.0	J	0.1	-0.0	2.8	-0.0	-2.3	0.0				
			SLU 3	I	10.8	-0.0	9.1	-0.0	-5.0	-0.0	SLE qp	I	0.1	-0.0	-0.8	-0.0	-0.7	-0.0			
				J	10.8	-0.0	27.1	-0.0	-29.9	0.0	J	0.1	-0.0	0.7	-0.0	-0.4	0.0				
			SLV X	I	6.0	2.8	12.2	0.0	-2.5	1.8	2981	1	20	SLU 1	I	-0.0	-0.0	28.0	-0.0	22.4	0.0
				J	6.0	2.8	23.1	0.0	4.1	2.1	J	-0.0	-0.0	6.5	-0.0	0.0	0.0				
			SLV Y	I	8.1	1.1	38.0	0.0	-2.7	0.6	SLU 2	I	-0.0	-0.0	24.9	-0.0	21.3	0.0			
				J	8.1	1.1	48.9	0.0	39.9	1.0	J	-0.0	-0.0	7.8	-0.0	0.0	0.0				
			SLE ra~1	I	8.4	-0.0	5.4	-0.0	-4.0	-0.0	SLU 3	I	-0.0	-0.0	23.9	-0.0	20.1	0.0			
				J	8.4	-0.0	20.7	-0.0	-22.0	0.0	J	-0.0	-0.0	7.0	-0.0	0.0	0.0				
			SLE ra~2	I	8.0	-0.0	6.3	-0.0	-3.6	-0.0	SLV X	I	1.0	3.5	12.4	0.0	9.4	1.4			
				J	8.0	-0.0	18.6	-0.0	-20.8	0.0	J	1.0	3.5	2.1	0.0	0.0	3.2				
			SLErar~1	I	7.3	-0.0	6.1	-0.0	-3.4	-0.0	SLV Y	I	3.2	1.2	13.3	0.0	10.6	0.5			
				J	7.3	-0.0	18.2	-0.0	-20.2	0.0	J	3.2	1.2	3.0	0.0	0.0	1.1				
			SLE freq	I	6.6	-0.0	4.0	-0.0	-3.2	-0.0	SLE ra~1	I	-0.0	-0.0	18.9	-0.0	15.2	0.0			
				J	6.6	-0.0	15.6	-0.0	-16.7	0.0	J	-0.0	-0.0	4.5	-0.0	0.0	0.0				



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE ra~2	I	-0.0	-0.0	16.8	-0.0	14.4	0.0				SLV X	I	2.7	9.3	-12.5	0.0	9.4	3.1	
				J	-0.0	-0.0	5.4	-0.0	0.0	0.0					J	2.7	9.3	-22.8	0.0	34.5	9.0	
			SLE rar~1	I	-0.0	-0.0	16.1	-0.0	13.6	0.0				SLV Y	I	8.9	3.1	-10.6	0.0	10.6	1.0	
				J	-0.0	-0.0	4.8	-0.0	0.0	0.0					J	8.9	3.1	-20.9	0.0	38.2	3.0	
			SLE freq	I	-0.0	-0.0	14.6	-0.0	11.8	0.0				SLE ra~1	I	-0.0	0.0	-21.2	-0.0	12.8	0.0	
				J	-0.0	-0.0	3.6	-0.0	0.0	0.0					J	-0.0	0.0	-35.1	-0.0	49.5	-0.0	
			SLE qp	I	-0.0	0.0	11.8	-0.0	8.7	0.0				SLE ra~2	I	-0.0	0.0	-21.0	-0.0	12.1	0.0	
				J	-0.0	0.0	1.5	-0.0	0.0	0.0					J	-0.0	0.0	-31.9	-0.0	46.5	-0.0	
2982	1	8	SLU 1	I	0.1	0.0	-3.2	0.0	-2.9	0.0				SLE rar~1	I	-0.0	0.0	-17.9	-0.0	10.7	0.0	
				J	0.1	0.0	3.0	0.0	-2.4	-0.0					J	-0.0	0.0	-28.6	-0.0	41.0	-0.0	
			SLU 2	I	0.1	0.0	-4.6	0.0	-4.2	0.0				SLE freq	I	-0.0	0.0	-17.2	-0.0	10.4	0.0	
				J	0.1	0.0	4.3	0.0	-3.6	-0.0					J	-0.0	0.0	-27.8	-0.0	39.6	-0.0	
			SLU 3	I	0.1	0.0	-3.2	0.0	-2.9	0.0				SLE qp	I	-0.0	0.0	-13.4	-0.0	8.7	0.0	
				J	0.1	0.0	3.0	0.0	-2.4	-0.0					J	-0.0	0.0	-23.7	-0.0	32.7	-0.0	
			SLV X	I	2.8	0.9	-0.7	0.0	-0.6	2.2		2984	1	8	SLU 1	I	-0.0	-0.0	-3.2	-0.0	-3.0	-0.0
				J	2.8	0.9	0.8	0.0	0.2	2.2					J	-0.0	-0.0	3.2	-0.0	-2.9	0.0	
			SLV Y	I	2.1	0.3	-0.7	0.0	-0.6	0.8					SLU 2	I	-0.0	-0.0	-3.9	-0.0	-3.6	-0.0
				J	2.1	0.3	0.8	0.0	-0.2	0.8					J	-0.0	-0.0	3.9	-0.0	-3.5	0.0	
			SLE ra~1	I	0.1	0.0	-2.2	0.0	-2.0	0.0				SLU 3	I	-0.0	-0.0	-3.5	-0.0	-3.2	-0.0	
				J	0.1	0.0	2.1	0.0	-1.6	-0.0					J	-0.0	-0.0	3.5	-0.0	-3.2	0.0	
			SLE ra~2	I	0.1	0.0	-3.1	0.0	-2.8	0.0				SLV X	I	3.4	0.6	-0.7	0.0	-0.5	1.6	
				J	0.1	0.0	3.0	0.0	-2.5	-0.0					J	3.4	0.6	0.8	0.0	-0.4	1.6	
			SLE rar~1	I	0.1	0.0	-2.2	0.0	-2.0	0.0				SLV Y	I	2.0	0.2	-0.7	0.0	-0.5	0.6	
				J	0.1	0.0	2.1	0.0	-1.7	-0.0					J	2.0	0.2	0.8	0.0	-0.5	0.6	
			SLE freq	I	0.1	0.0	-2.0	0.0	-1.8	0.0				SLE ra~1	I	-0.0	-0.0	-2.2	-0.0	-2.0	-0.0	
				J	0.1	0.0	1.8	0.0	-1.4	-0.0					J	-0.0	-0.0	2.2	-0.0	-2.0	0.0	
			SLE qp	I	0.1	0.0	-0.8	0.0	-0.7	0.0				SLE ra~2	I	-0.0	-0.0	-2.7	-0.0	-2.4	-0.0	
				J	0.1	0.0	0.7	0.0	-0.4	-0.0					J	-0.0	-0.0	2.7	-0.0	-2.4	0.0	
2983	1	20	SLU 1	I	-0.0	0.0	-31.3	-0.0	18.9	0.0				SLE rar~1	I	-0.0	-0.0	-2.4	-0.0	-2.2	-0.0	
				J	-0.0	0.0	-52.1	-0.0	73.1	-0.0					J	-0.0	-0.0	2.4	-0.0	-2.2	0.0	
			SLU 2	I	-0.0	0.0	-30.9	-0.0	17.8	0.0				SLE freq	I	-0.0	-0.0	-1.8	-0.0	-1.6	-0.0	
				J	-0.0	0.0	-47.3	-0.0	68.6	-0.0					J	-0.0	-0.0	1.8	-0.0	-1.6	0.0	
			SLU 3	I	-0.0	0.0	-26.4	-0.0	15.7	0.0				SLE qp	I	0.0	-0.0	-0.8	-0.0	-0.7	-0.0	
				J	-0.0	0.0	-42.3	-0.0	60.4	-0.0					J	0.0	-0.0	0.8	-0.0	-0.7	0.0	



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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2985	1	8	SLU 1	I	0.0	0.0	-2.1	0.0	-1.9	0.0	SLErar~1	I	-0.0	-0.0	35.5	-0.0	52.5	-0.0			
			J	0.0	0.0	2.0	0.0	-1.8	-0.0		J	-0.0	-0.0	24.2	-0.0	13.6	0.0				
			SLU 2	I	0.0	0.0	-2.7	0.0	-2.5	0.0	SLE freq	I	-0.0	-0.0	31.2	-0.0	45.3	-0.0			
			J	0.0	0.0	2.7	0.0	-2.4	-0.0		J	-0.0	-0.0	20.3	-0.0	11.8	0.0				
			SLU 3	I	0.0	0.0	-2.1	0.0	-1.9	0.0	SLE qp	I	-0.0	-0.0	23.6	-0.0	32.6	-0.0			
			J	0.0	0.0	2.0	0.0	-1.8	-0.0		J	-0.0	-0.0	13.3	-0.0	8.6	0.0				
			SLV X	I	3.4	0.6	-0.7	0.0	-0.5	1.6	2987	1	20	SLU 1	I	0.0	0.0	-4.1	-0.0	0.0	0.0
			J	3.4	0.6	0.8	0.0	-0.4	1.6		J	0.0	0.0	-24.9	-0.0	18.8	0.0				
			SLV Y	I	2.0	0.2	-0.7	0.0	-0.5	0.6	SLU 2	I	0.0	0.0	-5.5	-0.0	0.0	0.0			
			J	2.0	0.2	0.8	0.0	-0.5	0.6	J	0.0	0.0	-21.8	-0.0	17.7	0.0					
			SLE ra~1	I	0.0	0.0	-1.5	0.0	-1.3	0.0	SLU 3	I	0.0	-0.0	-4.1	-0.0	0.0	0.0			
			J	0.0	0.0	1.4	0.0	-1.3	-0.0	J	0.0	-0.0	-20.0	-0.0	15.7	0.0					
			SLE ra~2	I	0.0	0.0	-1.9	0.0	-1.7	0.0	SLV X	I	1.0	3.4	-1.0	0.0	0.0	3.1			
			J	0.0	0.0	1.9	0.0	-1.7	-0.0	J	1.0	3.4	-11.3	0.0	9.3	1.3					
			SLErar~1	I	0.0	0.0	-1.4	0.0	-1.3	0.0	SLV Y	I	3.3	1.1	-0.0	0.0	0.0	1.0			
			J	0.0	0.0	1.4	0.0	-1.3	-0.0	J	3.3	1.1	-10.3	0.0	10.5	0.4					
			SLE freq	I	0.0	0.0	-1.3	0.0	-1.2	0.0	SLE ra~1	I	0.0	0.0	-2.9	-0.0	0.0	0.0			
			J	0.0	0.0	1.3	0.0	-1.2	-0.0	J	0.0	0.0	-16.8	-0.0	12.8	0.0					
			SLE qp	I	0.0	0.0	-0.8	0.0	-0.7	0.0	SLE ra~2	I	0.0	0.0	-3.8	-0.0	0.0	0.0			
			J	0.0	0.0	0.8	0.0	-0.7	-0.0	J	0.0	0.0	-14.8	-0.0	12.1	0.0					
2986	1	20	SLU 1	I	-0.0	-0.0	60.3	-0.0	86.8	-0.0	SLErar~1	I	0.0	-0.0	-2.9	-0.0	0.0	0.0			
			J	-0.0	-0.0	38.8	-0.0	22.4	0.0	J	0.0	-0.0	-13.6	-0.0	10.7	0.0					
			SLU 2	I	-0.0	-0.0	55.5	-0.0	82.3	-0.0	SLE freq	I	0.0	0.0	-2.6	-0.0	0.0	0.0			
			J	-0.0	-0.0	38.4	-0.0	21.3	0.0	J	0.0	0.0	-13.3	-0.0	10.3	0.0					
			SLU 3	I	-0.0	-0.0	52.7	-0.0	77.6	-0.0	SLE qp	I	-0.0	0.0	-1.5	-0.0	0.0	0.0			
			J	-0.0	-0.0	35.8	-0.0	20.1	0.0	J	-0.0	0.0	-11.8	-0.0	8.6	0.0					
			SLV X	I	2.7	9.3	24.4	0.0	34.3	9.0	2988	1	34	SLU 1	I	1.4	-0.0	-7.6	-0.0	-7.3	0.0
			J	2.7	9.3	14.1	0.0	9.3	3.1	J	1.4	-0.0	7.3	-0.0	-6.5	0.0					
			SLV Y	I	9.0	3.1	26.3	0.0	38.0	3.0	SLU 2	I	1.6	-0.0	-9.1	-0.0	-8.6	0.0			
			J	9.0	3.1	16.0	0.0	10.5	1.0	J	1.6	-0.0	8.7	-0.0	-7.8	0.0					
			SLE ra~1	I	-0.0	-0.0	40.6	-0.0	58.6	-0.0	SLU 3	I	1.4	-0.0	-8.2	-0.0	-7.8	0.0			
			J	-0.0	-0.0	26.2	-0.0	15.1	0.0	J	1.4	-0.0	7.9	-0.0	-7.0	0.0					
			SLE ra~2	I	-0.0	-0.0	37.4	-0.0	55.6	-0.0	SLV X	I	6.9	1.4	11.6	0.0	32.9	3.6			
			J	-0.0	-0.0	26.0	-0.0	14.4	0.0	J	6.9	1.4	16.0	0.0	32.7	3.6					

Stazione di Catenanuova
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			SLV Y	I	2.8	0.6	2.0	0.0	8.6	1.7				SLU 2	I	-111.6	-0.0	11.8	-0.0	21.4	-0.1		
			J		2.8	0.6	6.3	0.0	8.6	1.7				J		-100.6	-0.0	11.8	-0.0	-51.6	0.1		
			SLE ra~1	I	1.0	-0.0	-5.3	-0.0	-5.0	0.0				SLU 3	I	-106.6	-0.0	10.7	-0.0	18.8	-0.1		
			J		1.0	-0.0	5.1	-0.0	-4.5	0.0				J		-95.6	-0.0	10.7	-0.0	-47.8	0.1		
			SLE ra~2	I	1.1	-0.0	-6.3	-0.0	-5.9	0.0				SLV X	I	-35.4	23.1	11.5	0.0	36.0	74.5		
			J		1.1	-0.0	6.0	-0.0	-5.4	0.0				J		-27.3	23.1	11.5	0.0	-7.4	68.7		
			SLE rar~1	I	1.0	-0.0	-5.7	-0.0	-5.4	0.0				SLV Y	I	-7.5	6.9	26.4	0.0	96.5	22.4		
			J		1.0	-0.0	5.5	-0.0	-4.9	0.0				J		0.6	6.9	26.4	0.0	24.9	20.6		
			SLE freq	I	0.8	-0.0	-4.5	-0.0	-4.2	0.0				SLE ra~1	I	-79.7	-0.0	8.4	-0.0	15.3	-0.0		
			J		0.8	-0.0	4.3	-0.0	-3.7	0.0				J		-71.5	-0.0	8.4	-0.0	-36.7	0.1		
			SLE qp	I	0.5	-0.0	-2.2	-0.0	-2.0	-0.0				SLE ra~2	I	-76.2	-0.0	8.0	-0.0	14.5	-0.0		
			J		0.5	-0.0	2.1	-0.0	-1.8	0.0				J		-68.0	-0.0	8.0	-0.0	-34.9	0.1		
2989	1	34	SLU 1	I	1.1	0.0	-5.2	0.0	-4.9	0.0				SLE rar~1	I	-72.9	-0.0	7.3	-0.0	12.8	-0.0		
			J		1.1	0.0	5.0	0.0	-4.3	0.0				J		-64.7	-0.0	7.3	-0.0	-32.4	0.1		
			SLU 2	I	1.2	0.0	-6.6	0.0	-6.2	0.0				SLE freq	I	-63.5	-0.0	6.6	-0.0	12.3	-0.0		
			J		1.2	0.0	6.4	0.0	-5.6	0.0				J		-55.3	-0.0	6.6	-0.0	-28.7	0.0		
			SLU 3	I	1.0	-0.0	-5.2	0.0	-4.8	0.0				SLE qp	I	-47.7	-0.0	5.1	0.0	10.0	-0.0		
			J		1.0	-0.0	5.0	0.0	-4.3	0.0				J		-39.6	-0.0	5.1	0.0	-21.3	0.0		
			SLV X	I	6.9	1.4	11.6	0.0	32.9	3.6			2991	1	2	SLU 1	I	-96.1	-0.0	-12.4	-0.0	-26.6	-0.0
			J		6.9	1.4	16.0	0.0	32.7	3.6				J		-85.0	-0.0	-12.4	-0.0	50.2	0.1		
			SLV Y	I	2.8	0.6	2.0	0.0	8.6	1.7				SLU 2	I	-90.8	-0.0	-11.8	-0.0	-25.4	-0.0		
			J		2.8	0.6	6.3	0.0	8.6	1.7				J		-79.8	-0.0	-11.8	-0.0	47.6	0.1		
			SLE ra~1	I	0.7	0.0	-3.7	0.0	-3.4	0.0				SLU 3	I	-80.6	-0.0	-10.7	-0.0	-23.9	-0.0		
			J		0.7	0.0	3.5	0.0	-3.0	0.0				J		-69.6	-0.0	-10.7	-0.0	42.7	0.1		
			SLE ra~2	I	0.8	0.0	-4.6	0.0	-4.4	0.0				SLV X	I	-35.4	23.1	1.4	0.0	15.9	74.5		
			J		0.8	0.0	4.5	0.0	-3.9	0.0				J		-27.3	23.1	1.4	0.0	35.2	68.7		
			SLE rar~1	I	0.7	0.0	-3.7	0.0	-3.4	0.0				SLV Y	I	-7.5	6.9	16.3	0.0	76.4	22.4		
			J		0.7	0.0	3.5	0.0	-3.0	0.0				J		0.6	6.9	16.3	0.0	67.5	20.6		
			SLE freq	I	0.7	0.0	-3.4	0.0	-3.2	0.0				SLE ra~1	I	-65.8	-0.0	-8.4	-0.0	-18.0	-0.0		
			J		0.7	0.0	3.3	0.0	-2.8	0.0				J		-57.7	-0.0	-8.4	-0.0	34.0	0.0		
			SLE qp	I	0.5	0.0	-2.2	0.0	-2.0	0.0				SLE ra~2	I	-62.3	-0.0	-8.0	-0.0	-17.2	-0.0		
			J		0.5	0.0	2.1	0.0	-1.8	-0.0				J		-54.2	-0.0	-8.0	-0.0	32.2	0.1		
2990	1	2	SLU 1	I	-116.9	-0.0	12.4	-0.0	22.6	-0.1				SLE rar~1	I	-55.5	-0.0	-7.3	-0.0	-16.1	-0.0		
			J		-105.8	-0.0	12.4	-0.0	-54.2	0.1				J		-47.4	-0.0	-7.3	-0.0	29.0	0.0		



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

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			SLE freq	I	-54.8	-0.0	-6.6	-0.0	-14.0	-0.0				SLE ra~1	I	0.2	0.0	-3.0	-0.0	-2.7	0.0	
				J	-46.7	-0.0	-6.6	-0.0	27.0	0.0					J	0.2	0.0	3.0	-0.0	-2.9	-0.0	
			SLE qp	I	-47.7	-0.0	-5.1	-0.0	-10.0	-0.0				SLE ra~2	I	0.2	0.0	-3.9	-0.0	-3.6	0.0	
				J	-39.5	-0.0	-5.1	-0.0	21.3	0.0					J	0.2	0.0	4.0	-0.0	-3.8	-0.0	
2992	1	20	SLU 1	I	12.4	0.0	-23.1	-0.0	-22.6	0.0				SLErar~1	I	0.2	0.0	-3.2	-0.0	-2.9	0.0	
				J	12.4	0.0	-1.0	-0.0	-5.9	-0.0					J	0.2	0.0	3.3	-0.0	-3.0	-0.0	
			SLU 2	I	11.8	0.0	-19.9	-0.0	-20.7	0.0				SLE freq	I	0.1	0.0	-2.4	-0.0	-2.2	0.0	
				J	11.8	0.0	-2.4	-0.0	-5.3	-0.0					J	0.1	0.0	2.5	-0.0	-2.3	-0.0	
			SLU 3	I	10.7	0.0	-17.4	-0.0	-17.3	0.0				SLE qp	I	0.1	0.0	-0.7	0.0	-0.6	0.0	
				J	10.7	0.0	-0.4	-0.0	-5.0	-0.0					J	0.1	0.0	0.8	0.0	-0.7	-0.0	
			SLV X	I	6.0	2.9	-0.4	0.0	4.2	2.1		2994	1	20	SLU 1	I	12.4	-0.0	7.8	0.0	-5.9	-0.0
				J	6.0	2.9	10.5	0.0	-2.7	1.8					J	12.4	-0.0	30.8	0.0	-32.5	0.0	
			SLV Y	I	8.1	1.1	25.7	0.0	40.3	0.9				SLU 2	I	11.8	-0.0	9.2	0.0	-5.3	-0.0	
				J	8.1	1.1	36.7	0.0	-2.7	0.6					J	11.8	-0.0	27.5	0.0	-30.7	0.0	
			SLE ra~1	I	8.4	0.0	-15.6	-0.0	-15.3	0.0				SLU 3	I	10.7	-0.0	9.0	0.0	-5.0	-0.0	
				J	8.4	0.0	-0.7	-0.0	-4.0	-0.0					J	10.7	-0.0	26.9	0.0	-29.8	0.0	
			SLE ra~2	I	8.0	0.0	-13.4	-0.0	-14.0	0.0				SLV X	I	6.0	2.9	12.0	0.0	-2.7	1.8	
				J	8.0	0.0	-1.7	-0.0	-3.6	-0.0					J	6.0	2.9	22.9	0.0	4.2	2.1	
			SLErar~1	I	7.3	0.0	-11.7	-0.0	-11.8	0.0				SLV Y	I	8.1	1.1	38.1	0.0	-2.7	0.6	
				J	7.3	0.0	-0.4	-0.0	-3.4	-0.0					J	8.1	1.1	49.1	0.0	40.3	0.9	
			SLE freq	I	6.6	0.0	-12.3	-0.0	-12.4	0.0				SLE ra~1	I	8.4	-0.0	5.3	0.0	-4.0	-0.0	
				J	6.6	0.0	-1.0	-0.0	-3.2	-0.0					J	8.4	-0.0	20.6	0.0	-21.9	0.0	
			SLE qp	I	5.1	0.0	-11.7	-0.0	-11.3	0.0				SLE ra~2	I	8.0	-0.0	6.2	0.0	-3.6	-0.0	
				J	5.1	0.0	-0.7	-0.0	-2.7	-0.0					J	8.0	-0.0	18.5	0.0	-20.7	0.0	
2993	1	8	SLU 1	I	0.2	0.0	-4.4	-0.0	-4.0	0.0				SLErar~1	I	7.3	-0.0	6.1	0.0	-3.4	-0.0	
				J	0.2	0.0	4.5	-0.0	-4.2	-0.0					J	7.3	-0.0	18.1	0.0	-20.1	0.0	
			SLU 2	I	0.2	0.0	-5.8	-0.0	-5.3	0.0				SLE freq	I	6.6	-0.0	3.9	0.0	-3.2	-0.0	
				J	0.2	0.0	5.9	-0.0	-5.5	-0.0					J	6.6	-0.0	15.5	0.0	-16.6	0.0	
			SLU 3	I	0.2	0.0	-4.7	-0.0	-4.3	0.0				SLE qp	I	5.1	-0.0	0.7	0.0	-2.7	-0.0	
				J	0.2	0.0	4.8	-0.0	-4.5	-0.0					J	5.1	-0.0	11.7	0.0	-11.3	0.0	
			SLV X	I	1.1	0.0	-0.7	0.0	-0.5	0.0		2995	1	8	SLU 1	I	0.2	-0.0	-5.4	-0.0	-4.9	-0.0
				J	1.1	0.0	0.9	0.0	-0.4	0.0					J	0.2	-0.0	5.5	-0.0	-5.1	0.0	
			SLV Y	I	0.4	0.0	-0.7	0.0	-0.6	0.1				SLU 2	I	0.2	-0.0	-6.8	-0.0	-6.2	-0.0	
				J	0.4	0.0	0.8	0.0	-0.6	0.1					J	0.2	-0.0	6.8	-0.0	-6.4	0.0	



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SLU 3	I	0.2	-0.0	-6.0	-0.0	-5.4	-0.0			SLE qp	I	-0.0	-0.0	11.8	0.0	8.6	0.0				
	J	0.2	-0.0	6.0	-0.0	-5.6	0.0				J	-0.0	-0.0	1.5	0.0	0.0	0.0				
SLV X	I	2.1	0.9	-0.7	0.0	-0.6	2.2	2997	1	8	SLU 1	I	0.1	0.0	-3.0	0.0	-2.7	0.0			
	J	2.1	0.9	0.8	0.0	-0.6	2.2				J	0.1	0.0	3.1	0.0	-2.9	-0.0				
SLV Y	I	1.9	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	0.2	0.0	-4.4	0.0	-4.0	0.0			
	J	1.9	0.3	0.8	0.0	-0.6	0.7				J	0.2	0.0	4.5	0.0	-4.2	-0.0				
SLE ra-1	I	0.1	-0.0	-3.7	-0.0	-3.3	-0.0				SLU 3	I	0.1	0.0	-3.1	0.0	-2.7	0.0			
	J	0.1	-0.0	3.7	-0.0	-3.5	0.0				J	0.1	0.0	3.1	0.0	-2.9	-0.0				
SLE ra-2	I	0.1	-0.0	-4.6	-0.0	-4.2	-0.0				SLV X	I	2.2	0.9	-0.7	0.0	-0.6	2.2			
	J	0.1	-0.0	4.6	-0.0	-4.3	0.0				J	2.2	0.9	0.8	0.0	-0.6	2.2				
SLErar-1	I	0.1	-0.0	-4.1	-0.0	-3.7	-0.0				SLV Y	I	1.9	0.3	-0.7	0.0	-0.6	0.7			
	J	0.1	-0.0	4.1	-0.0	-3.8	0.0				J	1.9	0.3	0.8	0.0	-0.6	0.7				
SLE freq	I	0.1	-0.0	-2.9	-0.0	-2.6	-0.0				SLE ra-1	I	0.1	0.0	-2.1	0.0	-1.9	0.0			
	J	0.1	-0.0	2.9	-0.0	-2.7	0.0				J	0.1	0.0	2.1	0.0	-2.0	-0.0				
SLE qp	I	0.1	-0.0	-0.7	-0.0	-0.6	-0.0				SLE ra-2	I	0.1	0.0	-3.0	0.0	-2.7	0.0			
	J	0.1	-0.0	0.8	-0.0	-0.7	0.0				J	0.1	0.0	3.1	0.0	-2.8	-0.0				
2996	1	20	SLU 1	I	-0.0	-0.0	28.0	0.0	22.4	0.0	SLErar-1	I	0.1	0.0	-2.1	0.0	-1.9	0.0			
			J	-0.0	-0.0	6.4	0.0	0.0	0.0		J	0.1	0.0	2.1	0.0	-2.0	-0.0				
			SLU 2	I	-0.0	-0.0	24.9	0.0	21.3	0.0	SLE freq	I	0.1	0.0	-1.9	0.0	-1.7	0.0			
			J	-0.0	-0.0	7.8	0.0	0.0	0.0		J	0.1	0.0	1.9	0.0	-1.8	-0.0				
			SLU 3	I	-0.0	-0.0	23.9	0.0	20.1	0.0	SLE qp	I	0.1	0.0	-0.7	0.0	-0.6	0.0			
			J	-0.0	-0.0	7.0	0.0	0.0	0.0		J	0.1	0.0	0.8	0.0	-0.7	-0.0				
			SLV X	I	1.0	3.4	12.3	0.0	9.3	1.3	2998	1	20	SLU 1	I	0.0	0.0	-31.0	0.0	18.8	0.0
			J	1.0	3.4	2.0	0.0	0.0	3.1		J	0.0	0.0	-51.9	0.0	72.7	-0.0				
			SLV Y	I	3.3	1.1	13.3	0.0	10.5	0.4		SLU 2	I	-0.0	0.0	-30.7	0.0	17.7	0.0		
			J	3.3	1.1	3.0	0.0	0.0	1.0		J	-0.0	0.0	-47.1	0.0	68.3	-0.0				
			SLE ra-1	I	-0.0	-0.0	18.9	0.0	15.1	0.0	SLU 3	I	0.0	0.0	-26.2	0.0	15.7	0.0			
			J	-0.0	-0.0	4.4	0.0	0.0	0.0		J	0.0	0.0	-42.1	0.0	60.1	-0.0				
			SLE ra-2	I	-0.0	-0.0	16.8	0.0	14.4	0.0	SLV X	I	2.7	9.4	-12.5	0.0	9.3	3.1			
			J	-0.0	-0.0	5.4	0.0	0.0	0.0		J	2.7	9.4	-22.7	0.0	34.3	9.0				
			SLErar-1	I	-0.0	-0.0	16.1	0.0	13.6	0.0	SLV Y	I	9.0	3.1	-10.6	0.0	10.5	1.0			
			J	-0.0	-0.0	4.8	0.0	0.0	0.0		J	9.0	3.1	-20.9	0.0	38.0	3.0				
			SLE freq	I	-0.0	-0.0	14.5	0.0	11.8	0.0	SLE ra-1	I	0.0	0.0	-21.0	0.0	12.8	0.0			
			J	-0.0	-0.0	3.6	0.0	0.0	0.0		J	0.0	0.0	-35.0	0.0	49.2	-0.0				



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Stazione di Catenanuova
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			SLE ra~2	I	-0.0	0.0	-20.8	0.0	12.1	0.0								SLV X	I	2.8	0.6	-0.7	0.0	-0.6	1.6				
				J	-0.0	0.0	-31.8	0.0	46.3	-0.0									J	2.8	0.6	0.8	0.0	-0.5	1.6				
			SLErar~1	I	0.0	0.0	-17.8	0.0	10.7	0.0									SLV Y	I	1.9	0.2	-0.7	0.0	-0.6	0.5			
				J	0.0	0.0	-28.5	0.0	40.8	-0.0									J	1.9	0.2	0.8	0.0	-0.5	0.5				
			SLE freq	I	-0.0	0.0	-17.0	0.0	10.3	0.0									SLE ra~1	I	0.0	0.0	-1.4	0.0	-1.3	0.0			
				J	-0.0	0.0	-27.7	0.0	39.4	-0.0									J	0.0	0.0	1.5	0.0	-1.3	-0.0				
			SLE qp	I	-0.0	0.0	-13.3	0.0	8.6	0.0									SLE ra~2	I	0.0	0.0	-1.9	0.0	-1.7	0.0			
				J	-0.0	0.0	-23.6	0.0	32.6	-0.0									J	0.0	0.0	1.9	0.0	-1.7	-0.0				
2999	1	8	SLU 1	I	-0.0	-0.0	-3.2	-0.0	-2.9	-0.0									SLErar~1	I	0.0	0.0	-1.4	0.0	-1.3	0.0			
				J	-0.0	-0.0	3.2	-0.0	-3.0	0.0									J	0.0	0.0	1.4	0.0	-1.3	-0.0				
			SLU 2	I	-0.0	-0.0	-3.9	-0.0	-3.5	-0.0									SLE freq	I	0.0	0.0	-1.3	0.0	-1.2	0.0			
				J	-0.0	-0.0	3.9	-0.0	-3.6	0.0									J	0.0	0.0	1.3	0.0	-1.2	-0.0				
			SLU 3	I	-0.0	-0.0	-3.5	-0.0	-3.2	-0.0									SLE qp	I	0.0	0.0	-0.7	0.0	-0.6	0.0			
				J	-0.0	-0.0	3.5	-0.0	-3.2	0.0									J	0.0	0.0	0.8	0.0	-0.7	-0.0				
			SLV X	I	2.8	0.6	-0.7	0.0	-0.6	1.6									3001	1	20	SLU 1	I	-0.0	-0.0	60.4	-0.0	86.8	-0.0
				J	2.8	0.6	0.8	0.0	-0.5	1.6									J	-0.0	-0.0	38.8	-0.0	22.4	0.0				
			SLV Y	I	1.9	0.2	-0.7	0.0	-0.6	0.5									SLU 2	I	-0.0	-0.0	55.6	-0.0	82.4	-0.0			
				J	1.9	0.2	0.8	0.0	-0.5	0.5									J	-0.0	-0.0	38.5	-0.0	21.2	0.0				
			SLE ra~1	I	-0.0	-0.0	-2.2	-0.0	-2.0	-0.0									SLU 3	I	-0.0	-0.0	52.7	-0.0	77.7	-0.0			
				J	-0.0	-0.0	2.2	-0.0	-2.0	0.0									J	-0.0	-0.0	35.9	-0.0	20.1	0.0				
			SLE ra~2	I	-0.0	-0.0	-2.7	-0.0	-2.4	-0.0									SLV X	I	2.8	9.4	24.4	0.0	34.3	9.1			
				J	-0.0	-0.0	2.7	-0.0	-2.4	0.0									J	2.8	9.4	14.1	0.0	9.2	3.2				
			SLErar~1	I	-0.0	-0.0	-2.4	-0.0	-2.2	-0.0									SLV Y	I	9.2	3.1	26.4	0.0	38.2	3.0			
				J	-0.0	-0.0	2.4	-0.0	-2.2	0.0									J	9.2	3.1	16.1	0.0	10.6	1.1				
			SLE freq	I	-0.0	-0.0	-1.8	-0.0	-1.6	-0.0									SLE ra~1	I	-0.0	-0.0	40.6	-0.0	58.6	-0.0			
				J	-0.0	-0.0	1.8	-0.0	-1.6	0.0									J	-0.0	-0.0	26.2	-0.0	15.1	0.0				
			SLE qp	I	0.0	-0.0	-0.7	-0.0	-0.6	-0.0									SLE ra~2	I	-0.0	-0.0	37.4	-0.0	55.6	-0.0			
				J	0.0	-0.0	0.8	-0.0	-0.7	0.0									J	-0.0	-0.0	26.0	-0.0	14.4	0.0				
3000	1	8	SLU 1	I	0.0	0.0	-2.0	0.0	-1.8	0.0									SLErar~1	I	-0.0	-0.0	35.6	-0.0	52.5	-0.0			
				J	0.0	0.0	2.1	0.0	-1.9	-0.0									J	-0.0	-0.0	24.3	-0.0	13.6	0.0				
			SLU 2	I	0.0	0.0	-2.7	0.0	-2.4	0.0									SLE freq	I	-0.0	-0.0	31.2	-0.0	45.3	-0.0			
				J	0.0	0.0	2.7	0.0	-2.5	-0.0									J	-0.0	-0.0	20.3	-0.0	11.8	0.0				
			SLU 3	I	0.0	0.0	-2.0	0.0	-1.8	0.0									SLE qp	I	-0.0	-0.0	23.6	-0.0	32.6	-0.0			
				J	0.0	0.0	2.1	0.0	-1.9	-0.0									J	-0.0	-0.0	13.3	-0.0	8.6	0.0				



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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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3002	1	20	SLU 1	I	-0.0	0.0	-4.1	0.0	-0.0	0.0	SLErar~1	I	1.0	0.0	-5.6	0.0	-4.9	0.0			
			J	-0.0	0.0	-24.9	0.0	18.9	0.0		J	1.0	0.0	5.6	0.0	-5.0	0.0				
			SLU 2	I	-0.0	0.0	-5.5	0.0	-0.0	0.0	SLE freq	I	0.8	-0.0	-4.4	0.0	-3.8	0.0			
			J	-0.0	0.0	-21.8	0.0	17.7	0.0		J	0.8	-0.0	4.4	0.0	-3.9	0.0				
			SLU 3	I	-0.0	0.0	-4.1	0.0	-0.0	0.0	SLE qp	I	0.5	-0.0	-2.2	0.0	-1.8	-0.0			
			J	-0.0	0.0	-20.1	0.0	15.7	0.0		J	0.5	-0.0	2.2	0.0	-1.8	0.0				
			SLV X	I	1.0	3.4	-1.1	0.0	0.0	3.1	3004	1	34	SLU 1	I	1.0	0.0	-5.1	-0.0	-4.4	0.0
			J	1.0	3.4	-11.3	0.0	9.2	1.3		J	1.0	0.0	5.1	-0.0	-4.5	-0.0				
			SLV Y	I	3.3	1.1	-0.0	0.0	0.0	1.0	SLU 2	I	1.2	0.0	-6.5	-0.0	-5.7	0.0			
			J	3.3	1.1	-10.3	0.0	10.6	0.4		J	1.2	0.0	6.5	-0.0	-5.8	-0.0				
			SLE ra~1	I	-0.0	0.0	-2.9	0.0	-0.0	0.0	SLU 3	I	1.0	0.0	-5.1	-0.0	-4.4	0.0			
			J	-0.0	0.0	-16.8	0.0	12.8	0.0		J	1.0	0.0	5.1	-0.0	-4.5	-0.0				
			SLE ra~2	I	-0.0	0.0	-3.8	0.0	-0.0	0.0	SLV X	I	4.9	1.4	11.5	0.0	32.4	3.6			
			J	-0.0	0.0	-14.8	0.0	12.1	0.0		J	4.9	1.4	15.9	0.0	32.4	3.6				
			SLErar~1	I	-0.0	0.0	-2.9	0.0	-0.0	0.0	SLV Y	I	2.1	0.6	1.9	0.0	8.5	1.6			
			J	-0.0	0.0	-13.6	0.0	10.7	0.0		J	2.1	0.6	6.3	0.0	8.4	1.5				
			SLE freq	I	-0.0	0.0	-2.6	0.0	-0.0	0.0	SLE ra~1	I	0.7	0.0	-3.6	-0.0	-3.1	0.0			
			J	-0.0	0.0	-13.3	0.0	10.4	0.0		J	0.7	0.0	3.6	-0.0	-3.2	-0.0				
			SLE qp	I	-0.0	0.0	-1.5	0.0	-0.0	0.0	SLE ra~2	I	0.8	0.0	-4.5	-0.0	-4.0	0.0			
			J	-0.0	0.0	-11.8	0.0	8.6	0.0		J	0.8	0.0	4.6	-0.0	-4.0	-0.0				
3003	1	34	SLU 1	I	1.4	0.0	-7.5	0.0	-6.6	0.0	SLErar~1	I	0.7	0.0	-3.6	-0.0	-3.1	0.0			
			J	1.4	0.0	7.5	0.0	-6.7	0.0		J	0.7	0.0	3.6	-0.0	-3.2	-0.0				
			SLU 2	I	1.5	0.0	-8.9	0.0	-7.9	0.0	SLE freq	I	0.6	0.0	-3.4	-0.0	-2.9	0.0			
			J	1.5	0.0	8.9	0.0	-8.0	0.0		J	0.6	0.0	3.4	-0.0	-2.9	-0.0				
			SLU 3	I	1.4	0.0	-8.1	0.0	-7.1	0.0	SLE qp	I	0.5	0.0	-2.2	-0.0	-1.8	0.0			
			J	1.4	0.0	8.1	0.0	-7.3	0.0		J	0.5	0.0	2.2	-0.0	-1.8	-0.0				
			SLV X	I	4.9	1.4	11.5	0.0	32.4	3.6	3005	1	2	SLU 1	I	-117.2	-0.0	12.4	0.0	22.6	-0.0
			J	4.9	1.4	15.9	0.0	32.4	3.6		J	-106.1	-0.0	12.4	0.0	-54.2	0.0				
			SLV Y	I	2.1	0.6	1.9	0.0	8.5	1.6	SLU 2	I	-111.9	-0.0	11.8	0.0	21.4	-0.0			
			J	2.1	0.6	6.3	0.0	8.4	1.5		J	-100.9	-0.0	11.8	0.0	-51.6	0.0				
			SLE ra~1	I	0.9	0.0	-5.2	0.0	-4.6	0.0	SLU 3	I	-106.9	-0.0	10.8	0.0	18.8	-0.0			
			J	0.9	0.0	5.2	0.0	-4.6	0.0		J	-95.9	-0.0	10.8	0.0	-47.8	0.0				
			SLE ra~2	I	1.0	0.0	-6.1	0.0	-5.4	0.0	SLV X	I	-35.5	23.1	11.6	0.0	36.4	74.5			
			J	1.0	0.0	6.2	0.0	-5.5	0.0		J	-27.4	23.1	11.6	0.0	-7.3	68.5				



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLV Y	I	-7.0	6.9	26.8	0.0	97.7	22.3			SLU 2	I	11.8	0.0	-19.9	0.0	-20.7	0.0			
				J	1.1	6.9	26.8	0.0	25.5	20.6				J	11.8	0.0	-2.5	0.0	-5.3	-0.0			
			SLE ra~1	I	-79.9	-0.0	8.4	0.0	15.3	-0.0			SLU 3	I	10.8	0.0	-17.5	0.0	-17.4	0.0			
				J	-71.7	-0.0	8.4	0.0	-36.7	0.0				J	10.8	0.0	-0.5	0.0	-5.0	-0.0			
			SLE ra~2	I	-76.4	-0.0	8.0	0.0	14.5	-0.0			SLV X	I	6.0	2.9	-0.3	0.0	4.4	2.2			
				J	-68.2	-0.0	8.0	0.0	-34.9	0.0				J	6.0	2.9	10.6	0.0	-2.7	1.9			
			SLErar~1	I	-73.1	-0.0	7.3	0.0	12.8	-0.0			SLV Y	I	8.1	1.1	26.3	0.0	41.1	0.9			
				J	-64.9	-0.0	7.3	0.0	-32.4	0.0				J	8.1	1.1	37.2	0.0	-2.7	0.6			
			SLE freq	I	-63.7	-0.0	6.6	0.0	12.3	-0.0			SLE ra~1	I	8.4	0.0	-15.6	0.0	-15.3	0.0			
				J	-55.5	-0.0	6.6	0.0	-28.7	0.0				J	8.4	0.0	-0.7	0.0	-4.0	-0.0			
			SLE qp	I	-47.8	-0.0	5.1	0.0	10.0	-0.0			SLE ra~2	I	8.0	0.0	-13.4	0.0	-14.0	0.0			
				J	-39.7	-0.0	5.1	0.0	-21.3	0.0				J	8.0	0.0	-1.7	0.0	-3.6	-0.0			
3006	1	2	SLU 1	I	-96.3	-0.0	-12.4	-0.0	-26.6	-0.0			SLErar~1	I	7.3	0.0	-11.8	0.0	-11.8	0.0			
				J	-85.3	-0.0	-12.4	-0.0	50.2	0.0				J	7.3	0.0	-0.4	0.0	-3.4	-0.0			
			SLU 2	I	-91.0	-0.0	-11.8	-0.0	-25.4	-0.0			SLE freq	I	6.6	0.0	-12.4	0.0	-12.5	0.0			
				J	-80.0	-0.0	-11.8	-0.0	47.6	0.0				J	6.6	0.0	-1.1	0.0	-3.2	-0.0			
			SLU 3	I	-80.8	-0.0	-10.8	0.0	-23.9	-0.0			SLE qp	I	5.1	0.0	-11.7	0.0	-11.3	0.0			
				J	-69.8	-0.0	-10.8	0.0	42.8	0.0				J	5.1	0.0	-0.8	0.0	-2.7	-0.0			
			SLV X	I	-35.5	23.1	1.5	0.0	16.3	74.5			3008	1	8	SLU 1	I	0.2	0.0	-4.4	0.0	-4.0	0.0
				J	-27.4	23.1	1.5	0.0	35.4	68.5					J	0.2	0.0	4.4	0.0	-4.0	-0.0		
			SLV Y	I	-7.0	6.9	16.6	0.0	77.6	22.3			SLU 2	I	0.3	0.0	-5.9	0.0	-5.4	0.0			
				J	1.2	6.9	16.6	0.0	68.2	20.6				J	0.3	0.0	5.8	0.0	-5.3	-0.0			
			SLE ra~1	I	-66.0	-0.0	-8.4	-0.0	-18.0	-0.0			SLU 3	I	0.2	0.0	-4.7	0.0	-4.3	0.0			
				J	-57.8	-0.0	-8.4	-0.0	34.0	0.0				J	0.2	0.0	4.7	0.0	-4.3	-0.0			
			SLE ra~2	I	-62.5	-0.0	-8.0	-0.0	-17.2	-0.0			SLV X	I	0.7	0.0	-0.7	0.0	-0.6	0.0			
				J	-54.3	-0.0	-8.0	-0.0	32.3	0.0				J	0.7	0.0	0.8	0.0	-0.5	0.0			
			SLErar~1	I	-55.7	-0.0	-7.3	0.0	-16.2	-0.0			SLV Y	I	0.3	0.0	-0.8	0.0	-0.6	0.1			
				J	-47.5	-0.0	-7.3	0.0	29.0	0.0				J	0.3	0.0	0.8	0.0	-0.6	0.1			
			SLE freq	I	-55.0	-0.0	-6.6	-0.0	-14.0	-0.0			SLE ra~1	I	0.2	0.0	-3.0	0.0	-2.7	0.0			
				J	-46.8	-0.0	-6.6	-0.0	27.0	0.0				J	0.2	0.0	3.0	0.0	-2.7	-0.0			
			SLE qp	I	-47.8	-0.0	-5.1	-0.0	-10.0	-0.0			SLE ra~2	I	0.2	0.0	-4.0	0.0	-3.6	0.0			
				J	-39.7	-0.0	-5.1	-0.0	21.3	0.0				J	0.2	0.0	4.0	0.0	-3.6	-0.0			
3007	1	20	SLU 1	I	12.4	0.0	-23.2	0.0	-22.6	0.0			SLErar~1	I	0.2	0.0	-3.2	0.0	-2.9	0.0			
				J	12.4	0.0	-1.0	0.0	-5.9	-0.0				J	0.2	0.0	3.2	0.0	-2.9	-0.0			



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE freq	I	0.1	0.0	-2.5	0.0	-2.2	0.0				SLE ra~1	I	0.1	-0.0	-3.7	0.0	-3.4	-0.0	
				J	0.1	0.0	2.5	0.0	-2.2	-0.0					J	0.1	-0.0	3.7	0.0	-3.3	0.0	
			SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0				SLE ra~2	I	0.1	-0.0	-4.6	0.0	-4.2	-0.0	
				J	0.1	0.0	0.7	0.0	-0.6	-0.0					J	0.1	-0.0	4.6	0.0	-4.2	0.0	
3009	1	20	SLU 1	I	12.4	-0.0	7.8	-0.0	-5.9	-0.0				SLErar~1	I	0.1	-0.0	-4.1	0.0	-3.7	-0.0	
				J	12.4	-0.0	30.8	-0.0	-32.6	0.0					J	0.1	-0.0	4.1	0.0	-3.7	0.0	
			SLU 2	I	11.8	-0.0	9.3	-0.0	-5.3	-0.0				SLE freq	I	0.1	-0.0	-2.9	0.0	-2.6	-0.0	
				J	11.8	-0.0	27.5	-0.0	-30.7	0.0					J	0.1	-0.0	2.9	0.0	-2.6	0.0	
			SLU 3	I	10.8	-0.0	9.0	-0.0	-5.0	-0.0				SLE qp	I	0.1	-0.0	-0.8	0.0	-0.6	-0.0	
				J	10.8	-0.0	27.0	-0.0	-29.8	0.0					J	0.1	-0.0	0.7	0.0	-0.6	0.0	
			SLV X	I	6.0	2.9	12.2	0.0	-2.7	1.9		3011	1	20	SLU 1	I	-0.0	-0.0	28.0	-0.0	22.4	0.0
				J	6.0	2.9	23.1	0.0	4.4	2.2					J	-0.0	-0.0	6.4	-0.0	-0.0	0.0	
			SLV Y	I	8.1	1.1	38.7	0.0	-2.7	0.6				SLU 2	I	-0.0	-0.0	24.9	-0.0	21.2	0.0	
				J	8.1	1.1	49.6	0.0	41.1	0.9					J	-0.0	-0.0	7.8	-0.0	-0.0	0.0	
			SLE ra~1	I	8.4	-0.0	5.3	-0.0	-4.0	-0.0				SLU 3	I	-0.0	-0.0	23.9	-0.0	20.1	0.0	
				J	8.4	-0.0	20.7	-0.0	-21.9	0.0					J	-0.0	-0.0	7.0	-0.0	-0.0	0.0	
			SLE ra~2	I	8.0	-0.0	6.3	-0.0	-3.6	-0.0				SLV X	I	1.0	3.4	12.2	0.0	9.2	1.3	
				J	8.0	-0.0	18.5	-0.0	-20.7	0.0					J	1.0	3.4	2.0	0.0	0.0	3.1	
			SLErar~1	I	7.3	-0.0	6.1	-0.0	-3.4	-0.0				SLV Y	I	3.3	1.1	13.3	0.0	10.6	0.4	
				J	7.3	-0.0	18.1	-0.0	-20.1	0.0					J	3.3	1.1	3.0	0.0	0.0	1.0	
			SLE freq	I	6.6	-0.0	3.9	-0.0	-3.2	-0.0				SLE ra~1	I	-0.0	-0.0	18.9	-0.0	15.1	0.0	
				J	6.6	-0.0	15.5	-0.0	-16.6	0.0					J	-0.0	-0.0	4.4	-0.0	-0.0	0.0	
			SLE qp	I	5.1	-0.0	0.8	-0.0	-2.7	-0.0				SLE ra~2	I	-0.0	-0.0	16.8	-0.0	14.4	0.0	
				J	5.1	-0.0	11.7	-0.0	-11.3	0.0					J	-0.0	-0.0	5.4	-0.0	-0.0	0.0	
3010	1	8	SLU 1	I	0.2	-0.0	-5.4	0.0	-4.9	-0.0				SLErar~1	I	-0.0	-0.0	16.1	-0.0	13.6	0.0	
				J	0.2	-0.0	5.4	0.0	-4.9	0.0					J	-0.0	-0.0	4.8	-0.0	-0.0	0.0	
			SLU 2	I	0.2	-0.0	-6.8	0.0	-6.2	-0.0				SLE freq	I	-0.0	-0.0	14.5	-0.0	11.8	0.0	
				J	0.2	-0.0	6.8	0.0	-6.2	0.0					J	-0.0	-0.0	3.6	-0.0	-0.0	0.0	
			SLU 3	I	0.2	-0.0	-6.0	0.0	-5.5	-0.0				SLE qp	I	-0.0	-0.0	11.8	-0.0	8.6	0.0	
				J	0.2	-0.0	6.0	0.0	-5.4	0.0					J	-0.0	-0.0	1.5	-0.0	-0.0	0.0	
			SLV X	I	1.6	0.9	-0.7	0.0	-0.6	2.2		3012	1	8	SLU 1	I	0.1	0.0	-3.1	-0.0	-2.8	0.0
				J	1.6	0.9	0.8	0.0	-0.6	2.2					J	0.1	0.0	3.1	-0.0	-2.7	-0.0	
			SLV Y	I	1.7	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	0.2	0.0	-4.5	-0.0	-4.0	0.0	
				J	1.7	0.3	0.8	0.0	-0.6	0.7					J	0.2	0.0	4.4	-0.0	-4.0	-0.0	



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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SLU 3	I	0.1	0.0	-3.1	-0.0	-2.8	0.0			SLE qp	I	-0.0	0.0	-13.3	0.0	8.6	0.0				
	J	0.1	0.0	3.1	-0.0	-2.7	-0.0				J	-0.0	0.0	-23.6	0.0	32.6	-0.0				
SLV X	I	1.6	0.9	-0.7	0.0	-0.6	2.2	3014	1	8	SLU 1	I	-0.0	-0.0	-3.2	0.0	-2.9	-0.0			
	J	1.6	0.9	0.8	0.0	-0.6	2.2				J	-0.0	-0.0	3.2	0.0	-2.9	0.0				
SLV Y	I	1.7	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	-0.0	-0.0	-3.9	0.0	-3.5	-0.0			
	J	1.7	0.3	0.8	0.0	-0.6	0.7				J	-0.0	-0.0	3.9	0.0	-3.5	0.0				
SLE ra~1	I	0.1	0.0	-2.1	-0.0	-1.9	0.0				SLU 3	I	-0.0	-0.0	-3.5	0.0	-3.2	-0.0			
	J	0.1	0.0	2.1	-0.0	-1.9	-0.0				J	-0.0	-0.0	3.5	0.0	-3.2	0.0				
SLE ra~2	I	0.1	0.0	-3.0	-0.0	-2.8	0.0				SLV X	I	2.1	0.6	-0.7	0.0	-0.6	1.6			
	J	0.1	0.0	3.0	-0.0	-2.7	-0.0				J	2.1	0.6	0.8	0.0	-0.6	1.6				
SLErar~1	I	0.1	0.0	-2.1	-0.0	-1.9	0.0				SLV Y	I	1.8	0.2	-0.7	0.0	-0.6	0.5			
	J	0.1	0.0	2.1	-0.0	-1.9	-0.0				J	1.8	0.2	0.8	0.0	-0.6	0.5				
SLE freq	I	0.1	0.0	-1.9	-0.0	-1.7	0.0				SLE ra~1	I	-0.0	-0.0	-2.2	0.0	-2.0	-0.0			
	J	0.1	0.0	1.9	-0.0	-1.7	-0.0				J	-0.0	-0.0	2.2	0.0	-2.0	0.0				
SLE qp	I	0.1	0.0	-0.8	-0.0	-0.6	0.0				SLE ra~2	I	-0.0	-0.0	-2.7	0.0	-2.4	-0.0			
	J	0.1	0.0	0.7	-0.0	-0.6	-0.0				J	-0.0	-0.0	2.7	0.0	-2.4	0.0				
3013	1	20	SLU 1	I	-0.0	0.0	-31.1	0.0	18.9	0.0	SLErar~1	I	-0.0	-0.0	-2.4	0.0	-2.2	-0.0			
				J	-0.0	0.0	-51.9	0.0	72.8	-0.0	J	-0.0	-0.0	2.4	0.0	-2.2	0.0				
			SLU 2	I	-0.0	0.0	-30.7	0.0	17.7	0.0	SLE freq	I	-0.0	-0.0	-1.8	0.0	-1.6	-0.0			
				J	-0.0	0.0	-47.1	0.0	68.4	-0.0	J	-0.0	-0.0	1.8	0.0	-1.6	0.0				
			SLU 3	I	-0.0	0.0	-26.2	0.0	15.7	0.0	SLE qp	I	0.0	-0.0	-0.8	0.0	-0.6	-0.0			
				J	-0.0	0.0	-42.2	0.0	60.1	-0.0	J	0.0	-0.0	0.8	0.0	-0.6	0.0				
			SLV X	I	2.8	9.4	-12.5	0.0	9.2	3.2	3015	1	8	SLU 1	I	0.0	0.0	-2.0	-0.0	-1.8	0.0
				J	2.8	9.4	-22.7	0.0	34.3	9.1			J	0.0	0.0	2.0	-0.0	-1.8	-0.0		
			SLV Y	I	9.2	3.1	-10.5	0.0	10.6	1.1			SLU 2	I	0.0	0.0	-2.7	-0.0	-2.4	0.0	
				J	9.2	3.1	-20.8	0.0	38.2	3.0			J	0.0	0.0	2.7	-0.0	-2.4	-0.0		
			SLE ra~1	I	-0.0	0.0	-21.1	0.0	12.8	0.0			SLU 3	I	0.0	0.0	-2.0	-0.0	-1.8	0.0	
				J	-0.0	0.0	-35.0	0.0	49.3	-0.0			J	0.0	0.0	2.0	-0.0	-1.8	-0.0		
			SLE ra~2	I	-0.0	0.0	-20.9	0.0	12.1	0.0			SLV X	I	2.1	0.6	-0.7	0.0	-0.6	1.6	
				J	-0.0	0.0	-31.8	0.0	46.3	-0.0			J	2.1	0.6	0.8	0.0	-0.6	1.6		
			SLErar~1	I	-0.0	0.0	-17.8	0.0	10.7	0.0			SLV Y	I	1.8	0.2	-0.7	0.0	-0.6	0.5	
				J	-0.0	0.0	-28.5	0.0	40.8	-0.0			J	1.8	0.2	0.8	0.0	-0.6	0.5		
			SLE freq	I	-0.0	0.0	-17.1	0.0	10.4	0.0			SLE ra~1	I	0.0	0.0	-1.4	-0.0	-1.3	0.0	
				J	-0.0	0.0	-27.7	0.0	39.5	-0.0			J	0.0	0.0	1.4	-0.0	-1.3	-0.0		



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE ra-2	I	0.0	0.0	-1.9	-0.0	-1.7	0.0				SLV X	I	1.0	3.4	-1.1	0.0	0.0	3.1		
				J	0.0	0.0	1.9	-0.0	-1.7	-0.0					J	1.0	3.4	-11.3	0.0	9.2	1.3		
			SLE rar-1	I	0.0	0.0	-1.4	-0.0	-1.3	0.0				SLV Y	I	3.3	1.1	0.0	0.0	0.0	1.0		
				J	0.0	0.0	1.4	-0.0	-1.3	-0.0					J	3.3	1.1	-10.3	0.0	10.6	0.4		
			SLE freq	I	0.0	0.0	-1.3	-0.0	-1.2	0.0				SLE ra-1	I	-0.0	0.0	-2.9	-0.0	-0.0	0.0		
				J	0.0	0.0	1.3	-0.0	-1.2	-0.0					J	-0.0	0.0	-16.8	-0.0	12.8	0.0		
			SLE qp	I	0.0	0.0	-0.8	-0.0	-0.6	0.0				SLE ra-2	I	-0.0	0.0	-3.8	-0.0	-0.0	0.0		
				J	0.0	0.0	0.8	-0.0	-0.6	-0.0					J	-0.0	0.0	-14.8	-0.0	12.1	0.0		
3016	1	20	SLU 1	I	-0.0	-0.0	60.4	-0.0	86.8	-0.0				SLE rar-1	I	-0.0	0.0	-2.9	-0.0	-0.0	0.0		
				J	-0.0	-0.0	38.8	-0.0	22.4	0.0					J	-0.0	0.0	-13.6	-0.0	10.7	0.0		
			SLU 2	I	-0.0	-0.0	55.6	-0.0	82.4	-0.0				SLE freq	I	-0.0	0.0	-2.7	-0.0	-0.0	0.0		
				J	-0.0	-0.0	38.5	-0.0	21.3	0.0					J	-0.0	0.0	-13.3	-0.0	10.4	0.0		
			SLU 3	I	-0.0	-0.0	52.7	-0.0	77.7	-0.0				SLE qp	I	-0.0	0.0	-1.5	-0.0	-0.0	0.0		
				J	-0.0	-0.0	35.9	-0.0	20.1	0.0					J	-0.0	0.0	-11.8	-0.0	8.6	0.0		
			SLV X	I	2.8	9.4	24.4	0.0	34.3	9.1			3018	1	34	SLU 1	I	1.3	-0.0	-7.5	0.0	-6.7	-0.0
				J	2.8	9.4	14.1	0.0	9.2	3.2					J	1.3	-0.0	7.5	0.0	-6.7	0.0		
			SLV Y	I	9.3	3.0	26.4	0.0	38.2	2.9				SLU 2	I	1.5	-0.0	-8.9	0.0	-8.0	-0.0		
				J	9.3	3.0	16.1	0.0	10.6	1.0					J	1.5	-0.0	8.9	0.0	-8.0	0.0		
			SLE ra-1	I	-0.0	-0.0	40.6	-0.0	58.6	-0.0				SLU 3	I	1.4	-0.0	-8.1	0.0	-7.3	-0.0		
				J	-0.0	-0.0	26.2	-0.0	15.1	0.0					J	1.4	-0.0	8.1	0.0	-7.2	0.0		
			SLE ra-2	I	-0.0	-0.0	37.4	-0.0	55.6	-0.0				SLV X	I	3.1	1.4	11.5	0.0	32.4	3.6		
				J	-0.0	-0.0	26.0	-0.0	14.4	0.0					J	3.1	1.4	15.9	0.0	32.4	3.6		
			SLE rar-1	I	-0.0	-0.0	35.6	-0.0	52.5	-0.0				SLV Y	I	1.5	0.6	1.9	0.0	8.5	1.5		
				J	-0.0	-0.0	24.3	-0.0	13.6	0.0					J	1.5	0.6	6.3	0.0	8.5	1.5		
			SLE freq	I	-0.0	-0.0	31.2	-0.0	45.3	-0.0				SLE ra-1	I	0.9	-0.0	-5.2	0.0	-4.6	-0.0		
				J	-0.0	-0.0	20.3	-0.0	11.8	0.0					J	0.9	-0.0	5.2	0.0	-4.6	0.0		
			SLE qp	I	-0.0	-0.0	23.6	-0.0	32.6	-0.0				SLE ra-2	I	1.0	-0.0	-6.2	0.0	-5.5	-0.0		
				J	-0.0	-0.0	13.3	-0.0	8.6	0.0					J	1.0	-0.0	6.1	0.0	-5.5	0.0		
3017	1	20	SLU 1	I	-0.0	0.0	-4.1	-0.0	-0.0	0.0				SLE rar-1	I	0.9	-0.0	-5.6	0.0	-5.0	-0.0		
				J	-0.0	0.0	-24.9	-0.0	18.9	0.0					J	0.9	-0.0	5.6	0.0	-5.0	0.0		
			SLU 2	I	-0.0	0.0	-5.5	-0.0	-0.0	0.0				SLE freq	I	0.8	-0.0	-4.4	0.0	-3.9	-0.0		
				J	-0.0	0.0	-21.8	-0.0	17.8	0.0					J	0.8	-0.0	4.4	0.0	-3.8	0.0		
			SLU 3	I	-0.0	0.0	-4.1	-0.0	-0.0	0.0				SLE qp	I	0.5	-0.0	-2.2	0.0	-1.8	-0.0		
				J	-0.0	0.0	-20.1	-0.0	15.7	0.0					J	0.5	-0.0	2.2	0.0	-1.8	0.0		



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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3019	1	34	SLU 1	I	1.0	0.0	-5.1	-0.0	-4.5	0.0	SLErar~1	I	-73.0	-0.0	7.3	0.0	12.8	-0.0			
			J	1.0	0.0	5.1	-0.0	-4.4	-0.0		J	-64.9	-0.0	7.3	0.0	-32.4	0.0				
			SLU 2	I	1.1	0.0	-6.5	-0.0	-5.8	0.0	SLE freq	I	-63.6	-0.0	6.6	0.0	12.3	-0.0			
			J	1.1	0.0	6.5	-0.0	-5.7	-0.0		J	-55.5	-0.0	6.6	0.0	-28.7	0.0				
			SLU 3	I	0.9	0.0	-5.1	-0.0	-4.5	0.0	SLE qp	I	-47.8	-0.0	5.1	0.0	10.0	-0.0			
			J	0.9	0.0	5.1	-0.0	-4.4	-0.0		J	-39.6	-0.0	5.1	0.0	-21.3	0.0				
			SLV X	I	3.1	1.4	11.5	0.0	32.4	3.6	3021	1	2	SLU 1	I	-96.3	-0.0	-12.4	0.0	-26.6	-0.0
			J	3.1	1.4	15.9	0.0	32.4	3.6		J	-85.2	-0.0	-12.4	0.0	50.2	0.0				
			SLV Y	I	1.5	0.6	1.9	0.0	8.5	1.5	SLU 2	I	-91.0	-0.0	-11.8	0.0	-25.4	-0.0			
			J	1.5	0.6	6.3	0.0	8.5	1.5	J	-80.0	-0.0	-11.8	0.0	47.6	0.0					
			SLE ra~1	I	0.7	0.0	-3.6	-0.0	-3.2	0.0	SLU 3	I	-80.8	-0.0	-10.8	0.0	-23.9	-0.0			
			J	0.7	0.0	3.6	-0.0	-3.1	-0.0	J	-69.8	-0.0	-10.8	0.0	42.8	0.0					
			SLE ra~2	I	0.8	0.0	-4.5	-0.0	-4.0	0.0	SLV X	I	-35.4	23.1	1.5	0.0	16.5	74.5			
			J	0.8	0.0	4.5	-0.0	-4.0	-0.0	J	-27.3	23.1	1.5	0.0	35.5	68.5					
			SLErar~1	I	0.7	0.0	-3.6	-0.0	-3.2	0.0	SLV Y	I	-6.6	6.9	16.9	0.0	78.6	22.3			
			J	0.7	0.0	3.6	-0.0	-3.1	-0.0	J	1.6	6.9	16.9	0.0	68.7	20.6					
			SLE freq	I	0.6	0.0	-3.4	-0.0	-2.9	0.0	SLE ra~1	I	-66.0	-0.0	-8.4	0.0	-18.0	-0.0			
			J	0.6	0.0	3.4	-0.0	-2.9	-0.0	J	-57.8	-0.0	-8.4	0.0	34.0	0.0					
			SLE qp	I	0.5	0.0	-2.2	-0.0	-1.8	0.0	SLE ra~2	I	-62.5	-0.0	-8.0	-0.0	-17.2	-0.0			
			J	0.5	0.0	2.2	-0.0	-1.8	-0.0	J	-54.3	-0.0	-8.0	-0.0	32.3	0.0					
3020	1	2	SLU 1	I	-117.1	-0.0	12.4	0.0	22.6	-0.0	SLErar~1	I	-55.7	-0.0	-7.3	0.0	-16.2	-0.0			
			J	-106.1	-0.0	12.4	0.0	-54.3	0.0	J	-47.5	-0.0	-7.3	0.0	29.0	0.0					
			SLU 2	I	-111.9	-0.0	11.8	0.0	21.4	-0.0	SLE freq	I	-55.0	-0.0	-6.6	-0.0	-14.0	-0.0			
			J	-100.8	-0.0	11.8	0.0	-51.7	0.0	J	-46.8	-0.0	-6.6	-0.0	27.0	0.0					
			SLU 3	I	-106.8	-0.0	10.8	0.0	18.8	-0.0	SLE qp	I	-47.8	-0.0	-5.1	-0.0	-10.0	-0.0			
			J	-95.8	-0.0	10.8	0.0	-47.8	0.0	J	-39.6	-0.0	-5.1	-0.0	21.3	0.0					
			SLV X	I	-35.4	23.1	11.6	0.0	36.6	74.5	3022	1	20	SLU 1	I	12.4	0.0	-23.2	-0.0	-22.6	0.0
			J	-27.3	23.1	11.6	0.0	-7.1	68.5	J	12.4	0.0	-1.0	-0.0	-5.9	-0.0					
			SLV Y	I	-6.6	6.9	27.0	0.0	98.7	22.3	SLU 2	I	11.8	0.0	-19.9	-0.0	-20.7	0.0			
			J	1.6	6.9	27.0	0.0	26.0	20.6	J	11.8	0.0	-2.4	-0.0	-5.3	-0.0					
			SLE ra~1	I	-79.9	-0.0	8.4	0.0	15.3	-0.0	SLU 3	I	10.8	0.0	-17.4	-0.0	-17.4	0.0			
			J	-71.7	-0.0	8.4	0.0	-36.7	0.0	J	10.8	0.0	-0.5	-0.0	-5.0	-0.0					
			SLE ra~2	I	-76.4	-0.0	8.0	0.0	14.5	-0.0	SLV X	I	6.0	3.0	-0.2	0.0	4.6	2.2			
			J	-68.2	-0.0	8.0	0.0	-34.9	0.0	J	6.0	3.0	10.8	0.0	-2.7	1.9					



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Stazione di Catenanuova
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			SLV Y	I	8.2	1.0	26.7	0.0	41.6	0.8				SLU 2	I	11.8	-0.0	9.3	0.0	-5.3	-0.0		
				J	8.2	1.0	37.6	0.0	-2.7	0.6					J	11.8	-0.0	27.5	0.0	-30.7	0.0		
			SLE ra~1	I	8.4	0.0	-15.6	-0.0	-15.3	0.0				SLU 3	I	10.8	-0.0	9.0	0.0	-5.0	-0.0		
				J	8.4	0.0	-0.7	-0.0	-4.0	-0.0					J	10.8	-0.0	27.0	0.0	-29.8	0.0		
			SLE ra~2	I	8.0	0.0	-13.4	-0.0	-14.0	0.0				SLV X	I	6.0	3.0	12.3	0.0	-2.7	1.9		
				J	8.0	0.0	-1.7	-0.0	-3.6	-0.0					J	6.0	3.0	23.2	0.0	4.6	2.2		
			SLE rar~1	I	7.3	0.0	-11.8	-0.0	-11.8	0.0				SLV Y	I	8.2	1.0	39.1	0.0	-2.7	0.6		
				J	7.3	0.0	-0.4	-0.0	-3.4	-0.0					J	8.2	1.0	50.0	0.0	41.6	0.8		
			SLE freq	I	6.6	0.0	-12.4	-0.0	-12.5	0.0				SLERa~1	I	8.4	-0.0	5.3	0.0	-4.0	-0.0		
				J	6.6	0.0	-1.0	-0.0	-3.2	-0.0					J	8.4	-0.0	20.7	0.0	-21.9	0.0		
			SLE qp	I	5.1	0.0	-11.7	-0.0	-11.3	0.0				SLERa~2	I	8.0	-0.0	6.3	0.0	-3.6	-0.0		
				J	5.1	0.0	-0.8	-0.0	-2.7	-0.0					J	8.0	-0.0	18.5	0.0	-20.7	0.0		
3023	1	8	SLU 1	I	0.3	0.0	-4.4	-0.0	-4.0	0.0				SLERar~1	I	7.3	-0.0	6.1	0.0	-3.4	-0.0		
				J	0.3	0.0	4.4	-0.0	-4.0	-0.0					J	7.3	-0.0	18.1	0.0	-20.1	0.0		
			SLU 2	I	0.3	0.0	-5.9	-0.0	-5.4	0.0				SLE freq	I	6.6	-0.0	3.9	0.0	-3.2	-0.0		
				J	0.3	0.0	5.9	-0.0	-5.4	-0.0					J	6.6	-0.0	15.5	0.0	-16.6	0.0		
			SLU 3	I	0.3	0.0	-4.7	-0.0	-4.3	0.0				SLE qp	I	5.1	-0.0	0.8	0.0	-2.7	-0.0		
				J	0.3	0.0	4.7	-0.0	-4.3	-0.0					J	5.1	-0.0	11.7	0.0	-11.3	0.0		
			SLV X	I	0.4	0.0	-0.7	0.0	-0.6	0.0			3025	1	8	SLU 1	I	0.2	-0.0	-5.4	0.0	-4.9	-0.0
				J	0.4	0.0	0.8	0.0	-0.6	0.0					J	0.2	-0.0	5.4	0.0	-4.9	0.0		
			SLV Y	I	0.2	0.0	-0.7	0.0	-0.6	0.1				SLU 2	I	0.2	-0.0	-6.8	0.0	-6.2	-0.0		
				J	0.2	0.0	0.8	0.0	-0.6	0.1					J	0.2	-0.0	6.8	0.0	-6.2	0.0		
			SLE ra~1	I	0.2	0.0	-3.0	-0.0	-2.7	0.0				SLU 3	I	0.2	-0.0	-6.0	0.0	-5.5	-0.0		
				J	0.2	0.0	3.0	-0.0	-2.7	-0.0					J	0.2	-0.0	6.0	0.0	-5.5	0.0		
			SLE ra~2	I	0.2	0.0	-4.0	-0.0	-3.6	0.0				SLV X	I	1.1	0.9	-0.7	0.0	-0.6	2.2		
				J	0.2	0.0	4.0	-0.0	-3.6	-0.0					J	1.1	0.9	0.8	0.0	-0.6	2.2		
			SLE rar~1	I	0.2	0.0	-3.2	-0.0	-2.9	0.0				SLV Y	I	1.4	0.3	-0.7	0.0	-0.6	0.7		
				J	0.2	0.0	3.2	-0.0	-2.9	-0.0					J	1.4	0.3	0.8	0.0	-0.6	0.7		
			SLE freq	I	0.2	0.0	-2.5	-0.0	-2.2	0.0				SLERa~1	I	0.1	-0.0	-3.7	0.0	-3.3	-0.0		
				J	0.2	0.0	2.5	-0.0	-2.2	-0.0					J	0.1	-0.0	3.7	0.0	-3.4	0.0		
			SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0				SLERa~2	I	0.1	-0.0	-4.6	0.0	-4.2	-0.0		
				J	0.1	0.0	0.8	0.0	-0.6	-0.0					J	0.1	-0.0	4.6	0.0	-4.2	0.0		
3024	1	20	SLU 1	I	12.4	-0.0	7.8	0.0	-5.9	-0.0				SLERar~1	I	0.1	-0.0	-4.1	0.0	-3.7	-0.0		
				J	12.4	-0.0	30.8	0.0	-32.6	0.0					J	0.1	-0.0	4.1	0.0	-3.7	0.0		



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Stazione di Catenanuova
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			SLE freq	I	0.1	-0.0	-2.9	0.0	-2.6	-0.0				SLE ra~1	I	0.1	0.0	-2.1	-0.0	-1.9	0.0	
				J	0.1	-0.0	2.9	0.0	-2.6	0.0					J	0.1	0.0	2.1	-0.0	-1.9	-0.0	
			SLE qp	I	0.1	-0.0	-0.8	0.0	-0.6	-0.0				SLE ra~2	I	0.1	0.0	-3.0	-0.0	-2.8	0.0	
				J	0.1	-0.0	0.8	0.0	-0.6	0.0					J	0.1	0.0	3.0	-0.0	-2.8	-0.0	
3026	1	20	SLU 1	I	-0.0	-0.0	28.0	0.0	22.4	0.0				SLErar~1	I	0.1	0.0	-2.1	-0.0	-1.9	0.0	
				J	-0.0	-0.0	6.4	0.0	-0.0	0.0					J	0.1	0.0	2.1	-0.0	-1.9	-0.0	
			SLU 2	I	-0.0	-0.0	24.9	0.0	21.3	0.0				SLE freq	I	0.1	0.0	-1.9	-0.0	-1.7	0.0	
				J	-0.0	-0.0	7.8	0.0	-0.0	0.0					J	0.1	0.0	1.9	-0.0	-1.7	-0.0	
			SLU 3	I	-0.0	-0.0	23.9	0.0	20.1	0.0				SLE qp	I	0.1	0.0	-0.8	-0.0	-0.6	0.0	
				J	-0.0	-0.0	7.0	0.0	-0.0	0.0					J	0.1	0.0	0.8	-0.0	-0.6	-0.0	
			SLV X	I	1.0	3.4	12.2	0.0	9.2	1.3		3028	1	20	SLU 1	I	-0.0	0.0	-31.1	0.0	18.9	0.0
				J	1.0	3.4	2.0	0.0	0.0	3.1					J	-0.0	0.0	-51.9	0.0	72.8	-0.0	
			SLV Y	I	3.3	1.1	13.3	0.0	10.6	0.4				SLU 2	I	-0.0	0.0	-30.7	0.0	17.8	0.0	
				J	3.3	1.1	3.0	0.0	0.0	1.0					J	-0.0	0.0	-47.1	0.0	68.4	-0.0	
			SLE ra~1	I	-0.0	-0.0	18.9	0.0	15.1	0.0				SLU 3	I	-0.0	0.0	-26.2	0.0	15.7	0.0	
				J	-0.0	-0.0	4.4	0.0	-0.0	0.0					J	-0.0	0.0	-42.2	0.0	60.2	-0.0	
			SLE ra~2	I	-0.0	-0.0	16.8	0.0	14.4	0.0				SLV X	I	2.8	9.4	-12.5	0.0	9.2	3.2	
				J	-0.0	-0.0	5.4	0.0	-0.0	0.0					J	2.8	9.4	-22.7	0.0	34.3	9.1	
			SLErar~1	I	-0.0	-0.0	16.1	0.0	13.6	0.0				SLV Y	I	9.3	3.0	-10.5	0.0	10.6	1.0	
				J	-0.0	-0.0	4.8	0.0	-0.0	0.0					J	9.3	3.0	-20.8	0.0	38.2	2.9	
			SLE freq	I	-0.0	-0.0	14.5	0.0	11.8	0.0				SLE ra~1	I	-0.0	0.0	-21.1	0.0	12.8	0.0	
				J	-0.0	-0.0	3.6	0.0	-0.0	0.0					J	-0.0	0.0	-35.0	0.0	49.3	-0.0	
			SLE qp	I	-0.0	-0.0	11.8	0.0	8.6	0.0				SLE ra~2	I	-0.0	0.0	-20.9	0.0	12.1	0.0	
				J	-0.0	-0.0	1.5	0.0	-0.0	0.0					J	-0.0	0.0	-31.8	0.0	46.3	-0.0	
3027	1	8	SLU 1	I	0.2	0.0	-3.1	-0.0	-2.8	0.0				SLErar~1	I	-0.0	0.0	-17.8	0.0	10.7	0.0	
				J	0.2	0.0	3.1	-0.0	-2.8	-0.0					J	-0.0	0.0	-28.5	0.0	40.8	-0.0	
			SLU 2	I	0.2	0.0	-4.5	-0.0	-4.0	0.0				SLE freq	I	-0.0	0.0	-17.1	0.0	10.4	0.0	
				J	0.2	0.0	4.5	-0.0	-4.0	-0.0					J	-0.0	0.0	-27.7	0.0	39.5	-0.0	
			SLU 3	I	0.1	0.0	-3.1	-0.0	-2.8	0.0				SLE qp	I	-0.0	0.0	-13.3	0.0	8.6	0.0	
				J	0.1	0.0	3.1	-0.0	-2.8	-0.0					J	-0.0	0.0	-23.6	0.0	32.6	-0.0	
			SLV X	I	1.1	0.9	-0.7	0.0	-0.6	2.2		3029	1	8	SLU 1	I	-0.0	-0.0	-3.2	0.0	-2.9	-0.0
				J	1.1	0.9	0.8	0.0	-0.6	2.2					J	-0.0	-0.0	3.2	0.0	-2.9	0.0	
			SLV Y	I	1.4	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	-0.0	-0.0	-3.9	0.0	-3.5	-0.0	
				J	1.4	0.3	0.8	0.0	-0.6	0.7					J	-0.0	-0.0	3.9	0.0	-3.5	0.0	



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SLU 3	I	-0.0	-0.0	-3.5	0.0	-3.2	-0.0									SLE qp	I	0.0	0.0	-0.8	-0.0	-0.6	0.0		
	J	-0.0	-0.0	3.5	0.0	-3.2	0.0										J	0.0	0.0	0.8	-0.0	-0.6	-0.0		
SLV X	I	1.4	0.6	-0.7	0.0	-0.6	1.6		3031	1	20	SLU 1	I	-0.0	0.0	60.4	-0.0	86.8	0.0						
	J	1.4	0.6	0.8	0.0	-0.6	1.6						J	-0.0	0.0	38.8	-0.0	22.4	-0.0						
SLV Y	I	1.6	0.2	-0.7	0.0	-0.6	0.5					SLU 2	I	-0.0	0.0	55.6	-0.0	82.4	0.0						
	J	1.6	0.2	0.8	0.0	-0.6	0.5						J	-0.0	0.0	38.5	-0.0	21.3	-0.0						
SLE ra~1	I	-0.0	-0.0	-2.2	0.0	-2.0	-0.0					SLU 3	I	-0.0	0.0	52.7	-0.0	77.7	0.0						
	J	-0.0	-0.0	2.2	0.0	-2.0	0.0						J	-0.0	0.0	35.9	-0.0	20.1	-0.0						
SLE ra~2	I	-0.0	-0.0	-2.7	0.0	-2.4	-0.0					SLV X	I	2.8	9.4	24.4	0.0	34.3	9.0						
	J	-0.0	-0.0	2.7	0.0	-2.4	0.0						J	2.8	9.4	14.1	0.0	9.2	3.2						
SLErar~1	I	-0.0	-0.0	-2.4	0.0	-2.2	-0.0					SLV Y	I	9.3	2.8	26.4	0.0	38.3	2.7						
	J	-0.0	-0.0	2.4	0.0	-2.2	0.0						J	9.3	2.8	16.1	0.0	10.6	0.9						
SLE freq	I	-0.0	-0.0	-1.8	0.0	-1.6	-0.0					SLE ra~1	I	-0.0	0.0	40.6	-0.0	58.6	0.0						
	J	-0.0	-0.0	1.8	0.0	-1.6	0.0						J	-0.0	0.0	26.2	-0.0	15.1	-0.0						
SLE qp	I	0.0	-0.0	-0.8	0.0	-0.6	-0.0					SLE ra~2	I	-0.0	0.0	37.4	-0.0	55.6	0.0						
	J	0.0	-0.0	0.8	0.0	-0.6	0.0						J	-0.0	0.0	26.0	-0.0	14.4	-0.0						
3030	1	8	SLU 1	I	0.0	0.0	-2.0	-0.0	-1.8	0.0		SLErar~1	I	-0.0	0.0	35.6	-0.0	52.5	0.0						
				J	0.0	0.0	2.0	-0.0	-1.8	-0.0			J	-0.0	0.0	24.3	-0.0	13.6	-0.0						
			SLU 2	I	0.0	0.0	-2.7	-0.0	-2.4	0.0		SLE freq	I	-0.0	0.0	31.2	-0.0	45.3	0.0						
				J	0.0	0.0	2.7	-0.0	-2.4	-0.0			J	-0.0	0.0	20.3	-0.0	11.8	-0.0						
			SLU 3	I	0.0	0.0	-2.0	-0.0	-1.8	0.0		SLE qp	I	-0.0	0.0	23.6	-0.0	32.6	0.0						
				J	0.0	0.0	2.0	-0.0	-1.8	-0.0			J	-0.0	0.0	13.3	-0.0	8.6	-0.0						
			SLV X	I	1.4	0.6	-0.7	0.0	-0.6	1.6		3032	1	20	SLU 1	I	-0.0	0.0	-4.1	-0.0	0.0	0.0			
				J	1.4	0.6	0.8	0.0	-0.6	1.6					J	-0.0	0.0	-24.9	-0.0	18.9	-0.0				
			SLV Y	I	1.6	0.2	-0.7	0.0	-0.6	0.5				SLU 2	I	-0.0	0.0	-5.5	-0.0	0.0	0.0				
				J	1.6	0.2	0.8	0.0	-0.6	0.5				J	-0.0	0.0	-21.8	-0.0	17.7	-0.0					
			SLE ra~1	I	0.0	0.0	-1.4	-0.0	-1.3	0.0			SLU 3	I	-0.0	0.0	-4.1	-0.0	0.0	0.0					
				J	0.0	0.0	1.4	-0.0	-1.3	-0.0				J	-0.0	0.0	-20.1	-0.0	15.7	-0.0					
			SLE ra~2	I	0.0	0.0	-1.9	-0.0	-1.7	0.0			SLV X	I	1.0	3.4	-1.1	0.0	0.0	3.1					
				J	0.0	0.0	1.9	-0.0	-1.7	-0.0				J	1.0	3.4	-11.3	0.0	9.2	1.3					
			SLErar~1	I	0.0	0.0	-1.4	-0.0	-1.3	0.0			SLV Y	I	3.4	1.0	0.0	0.0	0.0	0.9					
				J	0.0	0.0	1.4	-0.0	-1.3	-0.0				J	3.4	1.0	-10.3	0.0	10.6	0.4					
			SLE freq	I	0.0	0.0	-1.3	-0.0	-1.2	0.0			SLE ra~1	I	-0.0	0.0	-2.9	-0.0	0.0	0.0					
				J	0.0	0.0	1.3	-0.0	-1.2	-0.0				J	-0.0	0.0	-16.8	-0.0	12.8	-0.0					



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		SLE ra~2	I	-0.0	0.0	-3.8	-0.0	0.0	0.0			SLV X	I	1.4	1.4	11.5	0.0	32.4	3.5		
			J	-0.0	0.0	-14.8	-0.0	12.1	-0.0				J	1.4	1.4	15.9	0.0	32.4	3.6		
		SLE rar~1	I	-0.0	0.0	-2.9	-0.0	0.0	0.0			SLV Y	I	0.9	0.5	1.9	0.0	8.4	1.2		
			J	-0.0	0.0	-13.6	-0.0	10.7	-0.0				J	0.9	0.5	6.3	0.0	8.5	1.6		
		SLE freq	I	-0.0	0.0	-2.6	-0.0	0.0	0.0			SLE ra~1	I	0.7	0.0	-3.6	0.0	-3.1	0.0		
			J	-0.0	0.0	-13.3	-0.0	10.4	-0.0				J	0.7	0.0	3.6	0.0	-3.1	-0.0		
		SLE qp	I	-0.0	0.0	-1.5	0.0	0.0	0.0			SLE ra~2	I	0.8	0.0	-4.5	0.0	-4.0	0.0		
			J	-0.0	0.0	-11.8	0.0	8.6	-0.0				J	0.8	0.0	4.5	0.0	-4.0	-0.0		
3033	1	34	SLU 1	I	1.3	-0.0	-7.5	-0.0	-6.7	-0.0		SLERar~1	I	0.7	0.0	-3.6	0.0	-3.1	0.0		
			J	1.3	-0.0	7.5	-0.0	-6.7	-0.0				J	0.7	0.0	3.6	0.0	-3.1	-0.0		
		SLU 2	I	1.5	-0.0	-8.9	-0.0	-8.0	-0.0			SLE freq	I	0.6	0.0	-3.4	0.0	-2.9	0.0		
			J	1.5	-0.0	8.9	-0.0	-8.0	0.0				J	0.6	0.0	3.4	0.0	-2.9	-0.0		
		SLU 3	I	1.3	-0.0	-8.1	-0.0	-7.2	-0.0			SLE qp	I	0.5	0.0	-2.2	0.0	-1.8	0.0		
			J	1.3	-0.0	8.1	-0.0	-7.2	-0.0				J	0.5	0.0	2.2	0.0	-1.8	-0.0		
		SLV X	I	1.4	1.4	11.5	0.0	32.4	3.5		3035	1	2	SLU 1	I	-117.1	-0.0	12.4	-0.0	22.6	-0.0
			J	1.4	1.4	15.9	0.0	32.4	3.6				J	-106.1	-0.0	12.4	-0.0	-54.3	0.0		
		SLV Y	I	0.9	0.5	1.9	0.0	8.4	1.2			SLU 2	I	-111.9	-0.0	11.8	-0.0	21.4	-0.0		
			J	0.9	0.5	6.3	0.0	8.5	1.6				J	-100.8	-0.0	11.8	-0.0	-51.7	0.0		
		SLE ra~1	I	0.9	-0.0	-5.2	-0.0	-4.6	-0.0			SLU 3	I	-106.9	-0.0	10.8	-0.0	18.8	-0.0		
			J	0.9	-0.0	5.2	-0.0	-4.6	0.0				J	-95.8	-0.0	10.8	-0.0	-47.8	0.0		
		SLE ra~2	I	1.0	-0.0	-6.1	-0.0	-5.5	-0.0			SLV X	I	-35.4	23.1	11.7	0.0	36.7	74.5		
			J	1.0	-0.0	6.1	-0.0	-5.5	0.0				J	-27.2	23.1	11.7	0.0	-7.0	68.5		
		SLE rar~1	I	0.9	-0.0	-5.6	-0.0	-5.0	-0.0			SLV Y	I	-6.4	6.9	27.1	0.0	99.0	22.3		
			J	0.9	-0.0	5.6	-0.0	-5.0	-0.0				J	1.8	6.9	27.1	0.0	26.2	20.6		
		SLE freq	I	0.8	-0.0	-4.4	-0.0	-3.9	-0.0			SLE ra~1	I	-79.9	-0.0	8.4	-0.0	15.3	-0.0		
			J	0.8	-0.0	4.4	-0.0	-3.9	0.0				J	-71.7	-0.0	8.4	-0.0	-36.7	0.0		
		SLE qp	I	0.5	-0.0	-2.2	-0.0	-1.8	-0.0			SLE ra~2	I	-76.4	-0.0	8.0	-0.0	14.5	-0.0		
			J	0.5	-0.0	2.2	-0.0	-1.8	0.0				J	-68.2	-0.0	8.0	-0.0	-34.9	0.0		
3034	1	34	SLU 1	I	1.0	0.0	-5.1	0.0	-4.4	0.0		SLERar~1	I	-73.0	-0.0	7.3	-0.0	12.8	-0.0		
			J	1.0	0.0	5.1	0.0	-4.4	-0.0				J	-64.9	-0.0	7.3	-0.0	-32.4	0.0		
		SLU 2	I	1.1	0.0	-6.5	0.0	-5.7	0.0			SLE freq	I	-63.6	-0.0	6.6	-0.0	12.3	-0.0		
			J	1.1	0.0	6.5	0.0	-5.7	-0.0				J	-55.5	-0.0	6.6	-0.0	-28.7	0.0		
		SLU 3	I	0.9	0.0	-5.1	0.0	-4.4	0.0			SLE qp	I	-47.8	-0.0	5.1	-0.0	10.0	-0.0		
			J	0.9	0.0	5.1	0.0	-4.4	-0.0				J	-39.7	-0.0	5.1	-0.0	-21.3	0.0		



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TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	87 di 212

3036	1	2	SLU 1	I	-96.3	0.0	-12.4	-0.0	-26.6	0.0	SLErar~1	I	7.3	-0.0	-11.8	0.0	-11.8	-0.0			
			J		-85.3	0.0	-12.4	-0.0	50.2	-0.0	J		7.3	-0.0	-0.4	0.0	-3.4	0.0			
			SLU 2	I	-91.0	0.0	-11.8	-0.0	-25.4	0.0	SLE freq	I	6.6	-0.0	-12.4	0.0	-12.5	-0.0			
			J		-80.0	0.0	-11.8	-0.0	47.6	-0.0	J		6.6	-0.0	-1.0	0.0	-3.2	0.0			
			SLU 3	I	-80.8	0.0	-10.8	-0.0	-23.9	0.0	SLE qp	I	5.1	-0.0	-11.7	0.0	-11.3	-0.0			
			J		-69.8	0.0	-10.8	-0.0	42.8	-0.0	J		5.1	-0.0	-0.8	0.0	-2.7	0.0			
			SLV X	I	-35.4	23.1	1.5	0.0	16.7	74.5	3038	1	8	SLU 1	I	0.3	0.0	-4.4	0.0	-4.0	0.0
			J		-27.2	23.1	1.5	0.0	35.6	68.5	J			0.3	0.0	4.4	0.0	-4.0	-0.0		
			SLV Y	I	-6.4	6.9	17.0	0.0	79.0	22.3	SLU 2	I		0.3	0.0	-5.9	0.0	-5.4	0.0		
			J		1.8	6.9	17.0	0.0	68.8	20.6	J			0.3	0.0	5.9	0.0	-5.4	-0.0		
			SLE ra~1	I	-66.0	0.0	-8.4	-0.0	-18.0	0.0	SLU 3	I		0.3	0.0	-4.7	0.0	-4.3	0.0		
			J		-57.8	0.0	-8.4	-0.0	34.0	-0.0	J			0.3	0.0	4.7	0.0	-4.3	-0.0		
			SLE ra~2	I	-62.5	0.0	-8.0	-0.0	-17.2	0.0	SLV X	I		0.2	0.0	-0.8	0.0	-0.6	0.0		
			J		-54.3	0.0	-8.0	-0.0	32.3	-0.0	J			0.2	0.0	0.8	0.0	-0.6	0.0		
			SLErar~1	I	-55.7	0.0	-7.3	-0.0	-16.2	0.0	SLV Y	I		0.1	0.0	-0.8	0.0	-0.6	0.0		
			J		-47.5	0.0	-7.3	-0.0	29.0	-0.0	J			0.1	0.0	0.8	0.0	-0.6	0.0		
			SLE freq	I	-55.0	0.0	-6.6	-0.0	-14.0	0.0	SLE ra~1	I		0.2	0.0	-3.0	0.0	-2.7	0.0		
			J		-46.8	0.0	-6.6	-0.0	27.0	-0.0	J			0.2	0.0	3.0	0.0	-2.7	-0.0		
			SLE qp	I	-47.8	0.0	-5.1	-0.0	-10.0	0.0	SLE ra~2	I		0.2	0.0	-4.0	0.0	-3.6	0.0		
			J		-39.6	0.0	-5.1	-0.0	21.3	-0.0	J			0.2	0.0	4.0	0.0	-3.6	-0.0		
3037	1	20	SLU 1	I	12.4	-0.0	-23.2	0.0	-22.6	-0.0	SLErar~1	I		0.2	0.0	-3.2	0.0	-2.9	0.0		
			J		12.4	-0.0	-1.0	0.0	-5.9	0.0	J			0.2	0.0	3.2	0.0	-2.9	-0.0		
			SLU 2	I	11.8	-0.0	-19.9	0.0	-20.7	-0.0	SLE freq	I		0.2	0.0	-2.5	0.0	-2.2	0.0		
			J		11.8	-0.0	-2.4	0.0	-5.3	0.0	J			0.2	0.0	2.5	0.0	-2.2	-0.0		
			SLU 3	I	10.8	-0.0	-17.4	0.0	-17.4	-0.0	SLE qp	I		0.1	0.0	-0.8	0.0	-0.6	0.0		
			J		10.8	-0.0	-0.5	0.0	-5.0	0.0	J			0.1	0.0	0.8	0.0	-0.6	-0.0		
			SLV X	I	6.0	2.9	-0.1	0.0	4.6	2.1	3039	1	20	SLU 1	I	12.4	-0.0	7.8	0.0	-5.9	-0.0
			J		6.0	2.9	10.8	0.0	-2.7	1.9	J				12.4	-0.0	30.8	0.0	-32.6	0.0	
			SLV Y	I	8.2	0.9	26.9	0.0	41.9	0.6	SLU 2	I			11.8	-0.0	9.3	0.0	-5.3	-0.0	
			J		8.2	0.9	37.8	0.0	-2.7	0.6	J				11.8	-0.0	27.5	0.0	-30.7	0.0	
			SLE ra~1	I	8.4	-0.0	-15.6	0.0	-15.3	-0.0	SLU 3	I			10.8	-0.0	9.0	0.0	-5.0	-0.0	
			J		8.4	-0.0	-0.7	0.0	-4.0	0.0	J				10.8	-0.0	27.0	0.0	-29.8	0.0	
			SLE ra~2	I	8.0	-0.0	-13.4	0.0	-14.0	-0.0	SLV X	I			6.0	2.9	12.3	0.0	-2.7	1.9	
			J		8.0	-0.0	-1.7	0.0	-3.6	0.0	J				6.0	2.9	23.2	0.0	4.6	2.1	

Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLV Y	I	8.2	0.9	39.3	0.0	-2.7	0.6							SLU 2	I	-0.0	0.0	24.9	-0.0	21.3	-0.0
			J		8.2	0.9	50.2	0.0	41.9	0.6							J		-0.0	0.0	7.8	-0.0	0.0	-0.0
			SLE ra~1	I	8.4	-0.0	5.3	0.0	-4.0	-0.0							SLU 3	I	-0.0	0.0	23.9	-0.0	20.1	-0.0
			J		8.4	-0.0	20.7	0.0	-21.9	0.0							J		-0.0	0.0	7.0	-0.0	0.0	-0.0
			SLE ra~2	I	8.0	-0.0	6.3	0.0	-3.6	-0.0							SLV X	I	1.0	3.4	12.2	0.0	9.2	1.3
			J		8.0	-0.0	18.5	0.0	-20.7	0.0							J		1.0	3.4	2.0	0.0	0.0	3.1
			SLErar~1	I	7.3	-0.0	6.1	0.0	-3.4	-0.0							SLV Y	I	3.4	1.0	13.3	0.0	10.6	0.4
			J		7.3	-0.0	18.1	0.0	-20.1	0.0							J		3.4	1.0	3.0	0.0	0.0	0.9
			SLE freq	I	6.6	-0.0	3.9	0.0	-3.2	-0.0							SLE ra~1	I	-0.0	0.0	18.9	-0.0	15.1	-0.0
			J		6.6	-0.0	15.5	0.0	-16.6	0.0							J		-0.0	0.0	4.4	-0.0	0.0	-0.0
			SLE qp	I	5.1	-0.0	0.8	0.0	-2.7	-0.0							SLE ra~2	I	-0.0	0.0	16.8	-0.0	14.4	-0.0
			J		5.1	-0.0	11.7	0.0	-11.3	0.0							J		-0.0	0.0	5.4	-0.0	0.0	-0.0
3040	1	8	SLU 1	I	0.2	-0.0	-5.4	-0.0	-4.9	-0.0							SLErar~1	I	-0.0	0.0	16.1	-0.0	13.6	-0.0
			J		0.2	-0.0	5.4	-0.0	-4.9	0.0							J		-0.0	0.0	4.8	-0.0	0.0	-0.0
			SLU 2	I	0.2	-0.0	-6.8	-0.0	-6.2	-0.0							SLE freq	I	-0.0	0.0	14.5	-0.0	11.8	-0.0
			J		0.2	-0.0	6.8	-0.0	-6.2	0.0							J		-0.0	0.0	3.6	-0.0	0.0	-0.0
			SLU 3	I	0.2	-0.0	-6.0	-0.0	-5.5	-0.0							SLE qp	I	-0.0	0.0	11.8	-0.0	8.6	-0.0
			J		0.2	-0.0	6.0	-0.0	-5.5	0.0							J		-0.0	0.0	1.5	-0.0	0.0	-0.0
			SLV X	I	0.6	0.9	-0.8	0.0	-0.6	2.2				3042	1	8	SLU 1	I	0.2	0.0	-3.1	0.0	-2.8	0.0
			J		0.6	0.9	0.8	0.0	-0.6	2.2							J		0.2	0.0	3.1	0.0	-2.8	-0.0
			SLV Y	I	1.3	0.3	-0.7	0.0	-0.6	0.7							SLU 2	I	0.2	0.0	-4.5	0.0	-4.0	0.0
			J		1.3	0.3	0.8	0.0	-0.6	0.7							J		0.2	0.0	4.5	0.0	-4.0	-0.0
			SLE ra~1	I	0.1	-0.0	-3.7	-0.0	-3.4	-0.0							SLU 3	I	0.1	0.0	-3.1	0.0	-2.8	0.0
			J		0.1	-0.0	3.7	-0.0	-3.3	0.0							J		0.1	0.0	3.1	0.0	-2.8	-0.0
			SLE ra~2	I	0.1	-0.0	-4.6	-0.0	-4.2	-0.0							SLV X	I	0.6	0.9	-0.8	0.0	-0.6	2.2
			J		0.1	-0.0	4.6	-0.0	-4.2	0.0							J		0.6	0.9	0.8	0.0	-0.6	2.2
			SLErar~1	I	0.1	-0.0	-4.1	-0.0	-3.7	-0.0							SLV Y	I	1.3	0.3	-0.7	0.0	-0.6	0.7
			J		0.1	-0.0	4.1	-0.0	-3.7	0.0							J		1.3	0.3	0.8	0.0	-0.6	0.7
			SLE freq	I	0.1	-0.0	-2.9	-0.0	-2.6	-0.0							SLE ra~1	I	0.1	0.0	-2.1	0.0	-1.9	0.0
			J		0.1	-0.0	2.9	-0.0	-2.6	0.0							J		0.1	0.0	2.1	0.0	-1.9	-0.0
			SLE qp	I	0.1	-0.0	-0.8	-0.0	-0.6	-0.0							SLE ra~2	I	0.1	0.0	-3.0	0.0	-2.8	0.0
			J		0.1	-0.0	0.8	-0.0	-0.6	0.0							J		0.1	0.0	3.0	0.0	-2.8	-0.0
3041	1	20	SLU 1	I	-0.0	0.0	28.0	-0.0	22.4	-0.0							SLErar~1	I	0.1	0.0	-2.1	0.0	-1.9	0.0
			J		-0.0	0.0	6.4	-0.0	0.0	-0.0							J		0.1	0.0	2.1	0.0	-1.9	-0.0



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	89 di 212

			SLE freq	I	0.1	0.0	-1.9	0.0	-1.7	0.0				SLE ra~1	I	-0.0	-0.0	-2.2	-0.0	-2.0	-0.0	
				J	0.1	0.0	1.9	0.0	-1.7	-0.0					J	-0.0	-0.0	2.2	-0.0	-2.0	0.0	
			SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0				SLE ra~2	I	-0.0	-0.0	-2.7	-0.0	-2.4	-0.0	
				J	0.1	0.0	0.8	0.0	-0.6	-0.0					J	-0.0	-0.0	2.7	-0.0	-2.4	0.0	
3043	1	20	SLU 1	I	-0.0	0.0	-31.1	-0.0	18.9	0.0				SLErar~1	I	-0.0	-0.0	-2.4	-0.0	-2.2	-0.0	
				J	-0.0	0.0	-51.9	-0.0	72.8	-0.0					J	-0.0	-0.0	2.4	-0.0	-2.2	0.0	
			SLU 2	I	-0.0	0.0	-30.7	-0.0	17.7	0.0				SLE freq	I	-0.0	-0.0	-1.8	-0.0	-1.6	-0.0	
				J	-0.0	0.0	-47.1	-0.0	68.4	-0.0					J	-0.0	-0.0	1.8	-0.0	-1.6	0.0	
			SLU 3	I	-0.0	0.0	-26.2	-0.0	15.7	0.0				SLE qp	I	0.0	-0.0	-0.8	-0.0	-0.6	-0.0	
				J	-0.0	0.0	-42.2	-0.0	60.2	-0.0					J	0.0	-0.0	0.8	-0.0	-0.6	0.0	
			SLV X	I	2.8	9.4	-12.5	0.0	9.2	3.2		3045	1	8	SLU 1	I	0.0	0.0	-2.0	0.0	-1.8	0.0
				J	2.8	9.4	-22.7	0.0	34.3	9.0					J	0.0	0.0	2.0	0.0	-1.8	-0.0	
			SLV Y	I	9.3	2.8	-10.5	0.0	10.6	0.9				SLU 2	I	0.0	0.0	-2.7	0.0	-2.4	0.0	
				J	9.3	2.8	-20.8	0.0	38.2	2.7					J	0.0	0.0	2.7	0.0	-2.4	-0.0	
			SLE ra~1	I	-0.0	0.0	-21.1	-0.0	12.8	0.0				SLU 3	I	0.0	0.0	-2.0	0.0	-1.8	0.0	
				J	-0.0	0.0	-35.0	-0.0	49.3	-0.0					J	0.0	0.0	2.0	0.0	-1.8	-0.0	
			SLE ra~2	I	-0.0	0.0	-20.9	-0.0	12.1	0.0				SLV X	I	0.7	0.6	-0.7	0.0	-0.6	1.6	
				J	-0.0	0.0	-31.8	-0.0	46.3	-0.0					J	0.7	0.6	0.8	0.0	-0.6	1.6	
			SLErar~1	I	-0.0	0.0	-17.8	-0.0	10.7	0.0				SLV Y	I	1.4	0.2	-0.7	0.0	-0.6	0.5	
				J	-0.0	0.0	-28.5	-0.0	40.8	-0.0					J	1.4	0.2	0.8	0.0	-0.6	0.5	
			SLE freq	I	-0.0	0.0	-17.1	-0.0	10.4	0.0				SLE ra~1	I	0.0	0.0	-1.4	0.0	-1.3	0.0	
				J	-0.0	0.0	-27.7	-0.0	39.5	-0.0					J	0.0	0.0	1.4	0.0	-1.3	-0.0	
			SLE qp	I	-0.0	0.0	-13.3	-0.0	8.6	0.0				SLE ra~2	I	0.0	0.0	-1.9	0.0	-1.7	0.0	
				J	-0.0	0.0	-23.6	-0.0	32.6	-0.0					J	0.0	0.0	1.9	0.0	-1.7	-0.0	
3044	1	8	SLU 1	I	-0.0	-0.0	-3.2	-0.0	-2.9	-0.0				SLErar~1	I	0.0	0.0	-1.4	0.0	-1.3	0.0	
				J	-0.0	-0.0	3.2	-0.0	-2.9	0.0					J	0.0	0.0	1.4	0.0	-1.3	-0.0	
			SLU 2	I	-0.0	-0.0	-3.9	-0.0	-3.5	-0.0				SLE freq	I	0.0	0.0	-1.3	0.0	-1.2	0.0	
				J	-0.0	-0.0	3.9	-0.0	-3.5	0.0					J	0.0	0.0	1.3	0.0	-1.2	-0.0	
			SLU 3	I	-0.0	-0.0	-3.5	-0.0	-3.2	-0.0				SLE qp	I	0.0	0.0	-0.8	0.0	-0.6	0.0	
				J	-0.0	-0.0	3.5	-0.0	-3.2	0.0					J	0.0	0.0	0.8	0.0	-0.6	-0.0	
			SLV X	I	0.7	0.6	-0.7	0.0	-0.6	1.6		3046	1	20	SLU 1	I	-0.0	0.0	60.4	0.0	86.8	0.0
				J	0.7	0.6	0.8	0.0	-0.6	1.6					J	-0.0	0.0	38.8	0.0	22.4	-0.0	
			SLV Y	I	1.4	0.2	-0.7	0.0	-0.6	0.5				SLU 2	I	-0.0	0.0	55.6	0.0	82.4	0.0	
				J	1.4	0.2	0.8	0.0	-0.6	0.5					J	-0.0	0.0	38.5	0.0	21.3	-0.0	



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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	90 di 212

SLU 3	I	-0.0	0.0	52.7	0.0	77.7	0.0	SLE qp	I	-0.0	-0.0	-1.5	0.0	-0.0	-0.0			
J	-0.0	0.0	35.9	0.0	20.1	-0.0	J	-0.0	-0.0	-11.8	0.0	8.6	-0.0					
SLV X	I	2.8	9.4	24.4	0.0	34.3	9.1	3048	1	34	SLU 1	I	1.3	0.0	-7.5	0.0	-6.7	0.0
J	2.8	9.4	14.1	0.0	9.2	3.2	J	1.3	0.0	7.5	0.0	-6.7	-0.0					
SLV Y	I	9.3	3.0	26.4	0.0	38.2	2.9	SLU 2	I	1.5	0.0	-8.9	0.0	-8.0	0.0			
J	9.3	3.0	16.1	0.0	10.6	1.0	J	1.5	0.0	8.9	0.0	-8.0	-0.0					
SLE ra-1	I	-0.0	0.0	40.6	0.0	58.6	0.0	SLU 3	I	1.3	0.0	-8.1	0.0	-7.2	0.0			
J	-0.0	0.0	26.2	0.0	15.1	-0.0	J	1.3	0.0	8.1	0.0	-7.2	-0.0					
SLE ra-2	I	-0.0	0.0	37.4	0.0	55.6	0.0	SLV X	I	1.4	1.4	11.5	0.0	32.4	3.6			
J	-0.0	0.0	26.0	0.0	14.4	-0.0	J	1.4	1.4	15.9	0.0	32.4	3.5					
SLE rar-1	I	-0.0	0.0	35.6	0.0	52.5	0.0	SLV Y	I	0.9	0.5	1.9	0.0	8.5	1.6			
J	-0.0	0.0	24.3	0.0	13.6	-0.0	J	0.9	0.5	6.3	0.0	8.4	1.2					
SLE freq	I	-0.0	0.0	31.2	0.0	45.3	0.0	SLE ra-1	I	0.9	0.0	-5.2	0.0	-4.6	0.0			
J	-0.0	0.0	20.3	0.0	11.8	-0.0	J	0.9	0.0	5.2	0.0	-4.6	-0.0					
SLE qp	I	-0.0	0.0	23.6	0.0	32.6	0.0	SLE ra-2	I	1.0	0.0	-6.1	0.0	-5.5	0.0			
J	-0.0	0.0	13.3	0.0	8.6	-0.0	J	1.0	0.0	6.1	0.0	-5.5	-0.0					
3047	1	20	SLU 1	I	-0.0	-0.0	-4.1	0.0	-0.0	-0.0	SLE rar-1	I	0.9	0.0	-5.6	0.0	-5.0	0.0
J	-0.0	-0.0	-24.9	0.0	18.9	-0.0	J	0.9	0.0	5.6	0.0	-5.0	-0.0					
SLU 2	I	-0.0	-0.0	-5.5	0.0	-0.0	-0.0	SLE freq	I	0.8	0.0	-4.4	0.0	-3.9	0.0			
J	-0.0	-0.0	-21.8	0.0	17.8	-0.0	J	0.8	0.0	4.4	0.0	-3.9	-0.0					
SLU 3	I	-0.0	-0.0	-4.1	0.0	-0.0	-0.0	SLE qp	I	0.5	0.0	-2.2	0.0	-1.8	0.0			
J	-0.0	-0.0	-20.1	0.0	15.7	-0.0	J	0.5	0.0	2.2	0.0	-1.8	-0.0					
SLV X	I	1.0	3.4	-1.1	0.0	0.0	3.1	3049	1	34	SLU 1	I	1.0	-0.0	-5.1	-0.0	-4.4	-0.0
J	1.0	3.4	-11.3	0.0	9.2	1.3	J	1.0	-0.0	5.1	-0.0	-4.4	0.0					
SLV Y	I	3.3	1.1	0.0	0.0	0.0	1.0	SLU 2	I	1.1	-0.0	-6.5	-0.0	-5.7	-0.0			
J	3.3	1.1	-10.3	0.0	10.6	0.4	J	1.1	-0.0	6.5	-0.0	-5.7	0.0					
SLE ra-1	I	-0.0	-0.0	-2.9	0.0	-0.0	-0.0	SLU 3	I	0.9	-0.0	-5.1	-0.0	-4.4	-0.0			
J	-0.0	-0.0	-16.8	0.0	12.8	-0.0	J	0.9	-0.0	5.1	-0.0	-4.4	0.0					
SLE ra-2	I	-0.0	-0.0	-3.8	0.0	-0.0	-0.0	SLV X	I	1.4	1.4	11.5	0.0	32.4	3.6			
J	-0.0	-0.0	-14.8	0.0	12.1	-0.0	J	1.4	1.4	15.9	0.0	32.4	3.5					
SLE rar-1	I	-0.0	-0.0	-2.9	0.0	-0.0	-0.0	SLV Y	I	0.9	0.5	1.9	0.0	8.5	1.6			
J	-0.0	-0.0	-13.6	0.0	10.7	-0.0	J	0.9	0.5	6.3	0.0	8.4	1.2					
SLE freq	I	-0.0	-0.0	-2.7	0.0	-0.0	-0.0	SLE ra-1	I	0.7	-0.0	-3.6	-0.0	-3.1	-0.0			
J	-0.0	-0.0	-13.3	0.0	10.4	-0.0	J	0.7	-0.0	3.6	-0.0	-3.1	0.0					



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PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

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SLE ra~2	I	0.8	-0.0	-4.5	-0.0	-4.0	-0.0	SLV X	I	-35.4	23.1	1.5	0.0	16.5	74.5						
	J	0.8	-0.0	4.5	-0.0	-4.0	0.0		J	-27.3	23.1	1.5	0.0	35.5	68.5						
SLE rar~1	I	0.7	-0.0	-3.6	-0.0	-3.1	-0.0	SLV Y	I	-6.6	6.9	16.9	0.0	78.6	22.4						
	J	0.7	-0.0	3.6	-0.0	-3.1	0.0		J	1.6	6.9	16.9	0.0	68.7	20.6						
SLE freq	I	0.6	-0.0	-3.4	-0.0	-2.9	-0.0	SLE ra~1	I	-66.0	0.0	-8.4	-0.0	-18.0	0.0						
	J	0.6	-0.0	3.4	-0.0	-2.9	0.0		J	-57.8	0.0	-8.4	-0.0	34.0	-0.0						
SLE qp	I	0.5	-0.0	-2.2	-0.0	-1.8	-0.0	SLE ra~2	I	-62.5	0.0	-8.0	-0.0	-17.2	0.0						
	J	0.5	-0.0	2.2	-0.0	-1.8	0.0		J	-54.3	0.0	-8.0	-0.0	32.3	-0.0						
3050	1	2	SLU 1	I	-117.1	0.0	12.4	-0.0	22.6	0.0	SLE rar~1	I	-55.7	0.0	-7.3	-0.0	-16.2	0.0			
				J	-106.1	0.0	12.4	-0.0	-54.3	-0.0		J	-47.5	0.0	-7.3	-0.0	29.0	-0.0			
			SLU 2	I	-111.9	0.0	11.8	-0.0	21.4	0.0	SLE freq	I	-55.0	0.0	-6.6	-0.0	-14.0	0.0			
				J	-100.8	0.0	11.8	-0.0	-51.7	-0.0		J	-46.8	0.0	-6.6	-0.0	27.0	-0.0			
			SLU 3	I	-106.8	0.0	10.8	-0.0	18.8	0.0	SLE qp	I	-47.8	0.0	-5.1	0.0	-10.0	0.0			
				J	-95.8	0.0	10.8	-0.0	-47.8	-0.0		J	-39.6	0.0	-5.1	0.0	21.3	-0.0			
			SLV X	I	-35.4	23.1	11.6	0.0	36.6	74.5	3052	1	20	SLU 1	I	12.4	-0.0	-23.2	0.0	-22.6	-0.0
				J	-27.3	23.1	11.6	0.0	-7.1	68.5				J	12.4	-0.0	-1.0	0.0	-5.9	0.0	
			SLV Y	I	-6.6	6.9	27.0	0.0	98.7	22.4			SLU 2	I	11.8	-0.0	-19.9	0.0	-20.7	-0.0	
				J	1.6	6.9	27.0	0.0	26.0	20.6				J	11.8	-0.0	-2.4	0.0	-5.3	0.0	
			SLE ra~1	I	-79.9	0.0	8.4	-0.0	15.3	0.0			SLU 3	I	10.8	-0.0	-17.4	0.0	-17.4	-0.0	
				J	-71.7	0.0	8.4	-0.0	-36.7	-0.0				J	10.8	-0.0	-0.5	0.0	-5.0	0.0	
			SLE ra~2	I	-76.4	0.0	8.0	-0.0	14.5	0.0			SLV X	I	6.0	3.0	-0.2	0.0	4.6	2.2	
				J	-68.2	0.0	8.0	-0.0	-34.9	-0.0				J	6.0	3.0	10.8	0.0	-2.7	1.9	
			SLE rar~1	I	-73.0	0.0	7.3	-0.0	12.8	0.0			SLV Y	I	8.2	1.0	26.7	0.0	41.6	0.8	
				J	-64.9	0.0	7.3	-0.0	-32.4	-0.0				J	8.2	1.0	37.6	0.0	-2.7	0.6	
			SLE freq	I	-63.6	0.0	6.6	-0.0	12.3	0.0			SLE ra~1	I	8.4	-0.0	-15.6	0.0	-15.3	-0.0	
				J	-55.5	0.0	6.6	-0.0	-28.7	-0.0				J	8.4	-0.0	-0.7	0.0	-4.0	0.0	
			SLE qp	I	-47.8	0.0	5.1	-0.0	10.0	0.0			SLE ra~2	I	8.0	-0.0	-13.4	0.0	-14.0	-0.0	
				J	-39.6	0.0	5.1	-0.0	-21.3	-0.0				J	8.0	-0.0	-1.7	0.0	-3.6	0.0	
3051	1	2	SLU 1	I	-96.3	0.0	-12.4	-0.0	-26.6	0.0			SLE rar~1	I	7.3	-0.0	-11.8	0.0	-11.8	-0.0	
				J	-85.2	0.0	-12.4	-0.0	50.2	-0.0				J	7.3	-0.0	-0.4	0.0	-3.4	0.0	
			SLU 2	I	-91.0	0.0	-11.8	-0.0	-25.4	0.0			SLE freq	I	6.6	-0.0	-12.4	0.0	-12.5	-0.0	
				J	-80.0	0.0	-11.8	-0.0	47.6	-0.0				J	6.6	-0.0	-1.0	0.0	-3.2	0.0	
			SLU 3	I	-80.8	0.0	-10.8	-0.0	-23.9	0.0			SLE qp	I	5.1	-0.0	-11.7	0.0	-11.3	-0.0	
				J	-69.8	0.0	-10.8	-0.0	42.8	-0.0				J	5.1	-0.0	-0.8	0.0	-2.7	0.0	



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3053	1	8	SLU 1	I	0.3	-0.0	-4.4	-0.0	-4.0	-0.0	SLErar~1	I	7.3	0.0	6.1	-0.0	-3.4	0.0			
			J	0.3	-0.0	4.4	-0.0	-4.0	0.0		J	7.3	0.0	18.1	-0.0	-20.1	-0.0				
			SLU 2	I	0.3	-0.0	-5.9	-0.0	-5.4	-0.0	SLE freq	I	6.6	0.0	3.9	-0.0	-3.2	0.0			
			J	0.3	-0.0	5.9	-0.0	-5.4	0.0		J	6.6	0.0	15.5	-0.0	-16.6	-0.0				
			SLU 3	I	0.3	-0.0	-4.7	-0.0	-4.3	-0.0	SLE qp	I	5.1	0.0	0.8	-0.0	-2.7	0.0			
			J	0.3	-0.0	4.7	-0.0	-4.3	0.0		J	5.1	0.0	11.7	-0.0	-11.3	-0.0				
			SLV X	I	0.2	0.0	-0.7	0.0	-0.6	0.0	3055	1	8	SLU 1	I	0.2	0.0	-5.4	0.0	-4.9	0.0
			J	0.2	0.0	0.8	0.0	-0.6	0.0		J	0.2	0.0	5.4	0.0	-4.9	-0.0				
			SLV Y	I	0.1	0.0	-0.8	0.0	-0.6	0.0	SLU 2	I	0.2	0.0	-6.8	0.0	-6.2	0.0			
			J	0.1	0.0	0.8	0.0	-0.6	0.0	J	0.2	0.0	6.8	0.0	-6.2	-0.0					
			SLE ra~1	I	0.2	-0.0	-3.0	-0.0	-2.7	-0.0	SLU 3	I	0.2	0.0	-6.0	0.0	-5.5	0.0			
			J	0.2	-0.0	3.0	-0.0	-2.7	0.0	J	0.2	0.0	6.0	0.0	-5.5	-0.0					
			SLE ra~2	I	0.2	-0.0	-4.0	-0.0	-3.6	-0.0	SLV X	I	0.6	0.9	-0.7	0.0	-0.6	2.2			
			J	0.2	-0.0	4.0	-0.0	-3.6	0.0	J	0.6	0.9	0.8	0.0	-0.6	2.2					
			SLErar~1	I	0.2	-0.0	-3.2	-0.0	-2.9	-0.0	SLV Y	I	1.3	0.3	-0.7	0.0	-0.6	0.7			
			J	0.2	-0.0	3.2	-0.0	-2.9	0.0	J	1.3	0.3	0.8	0.0	-0.6	0.7					
			SLE freq	I	0.2	-0.0	-2.5	-0.0	-2.2	-0.0	SLE ra~1	I	0.1	0.0	-3.7	0.0	-3.3	0.0			
			J	0.2	-0.0	2.5	-0.0	-2.2	0.0	J	0.1	0.0	3.7	0.0	-3.4	-0.0					
			SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0	SLE ra~2	I	0.1	0.0	-4.6	0.0	-4.2	0.0			
			J	0.1	0.0	0.8	0.0	-0.6	-0.0	J	0.1	0.0	4.6	0.0	-4.2	-0.0					
3054	1	20	SLU 1	I	12.4	0.0	7.8	-0.0	-5.9	0.0	SLErar~1	I	0.1	0.0	-4.1	0.0	-3.7	0.0			
			J	12.4	0.0	30.8	-0.0	-32.6	-0.0	J	0.1	0.0	4.1	0.0	-3.7	-0.0					
			SLU 2	I	11.8	0.0	9.3	-0.0	-5.3	0.0	SLE freq	I	0.1	0.0	-2.9	0.0	-2.6	0.0			
			J	11.8	0.0	27.5	-0.0	-30.7	-0.0	J	0.1	0.0	2.9	0.0	-2.6	-0.0					
			SLU 3	I	10.8	0.0	9.0	-0.0	-5.0	0.0	SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0			
			J	10.8	0.0	27.0	-0.0	-29.8	-0.0	J	0.1	0.0	0.8	0.0	-0.6	-0.0					
			SLV X	I	6.0	3.0	12.3	0.0	-2.7	1.9	3056	1	20	SLU 1	I	-0.0	0.0	28.0	-0.0	22.4	-0.0
			J	6.0	3.0	23.2	0.0	4.6	2.2	J	-0.0	0.0	6.4	-0.0	-0.0	-0.0					
			SLV Y	I	8.2	1.0	39.1	0.0	-2.7	0.6	SLU 2	I	-0.0	0.0	24.9	-0.0	21.3	-0.0			
			J	8.2	1.0	50.0	0.0	41.6	0.8	J	-0.0	0.0	7.8	-0.0	-0.0	-0.0					
			SLE ra~1	I	8.4	0.0	5.3	-0.0	-4.0	0.0	SLU 3	I	-0.0	0.0	23.9	-0.0	20.1	-0.0			
			J	8.4	0.0	20.7	-0.0	-21.9	-0.0	J	-0.0	0.0	7.0	-0.0	-0.0	-0.0					
			SLE ra~2	I	8.0	0.0	6.3	-0.0	-3.6	0.0	SLV X	I	1.0	3.4	12.2	0.0	9.2	1.3			
			J	8.0	0.0	18.5	-0.0	-20.7	-0.0	J	1.0	3.4	2.0	0.0	0.0	3.1					



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Stazione di Catenanuova
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			SLV Y	I	3.3	1.1	13.3	0.0	10.6	0.4				SLU 2	I	-0.0	-0.0	-30.7	-0.0	17.8	-0.0		
			J		3.3	1.1	3.0	0.0	0.0	1.0				J		-0.0	-0.0	-47.1	-0.0	68.4	0.0		
			SLE ra~1	I	-0.0	0.0	18.9	-0.0	15.1	-0.0				SLU 3	I	-0.0	-0.0	-26.2	-0.0	15.7	-0.0		
			J		-0.0	0.0	4.4	-0.0	-0.0	-0.0				J		-0.0	-0.0	-42.2	-0.0	60.2	0.0		
			SLE ra~2	I	-0.0	0.0	16.8	-0.0	14.4	-0.0				SLV X	I	2.8	9.4	-12.5	0.0	9.2	3.2		
			J		-0.0	0.0	5.4	-0.0	-0.0	-0.0				J		2.8	9.4	-22.7	0.0	34.3	9.1		
			SLErar~1	I	-0.0	0.0	16.1	-0.0	13.6	-0.0				SLV Y	I	9.3	3.0	-10.5	0.0	10.6	1.0		
			J		-0.0	0.0	4.8	-0.0	-0.0	-0.0				J		9.3	3.0	-20.8	0.0	38.2	2.9		
			SLE freq	I	-0.0	0.0	14.5	-0.0	11.8	-0.0				SLERa~1	I	-0.0	-0.0	-21.1	-0.0	12.8	-0.0		
			J		-0.0	0.0	3.6	-0.0	-0.0	-0.0				J		-0.0	-0.0	-35.0	-0.0	49.3	0.0		
			SLE qp	I	-0.0	0.0	11.8	-0.0	8.6	-0.0				SLERa~2	I	-0.0	-0.0	-20.9	-0.0	12.1	-0.0		
			J		-0.0	0.0	1.5	-0.0	-0.0	-0.0				J		-0.0	-0.0	-31.8	-0.0	46.3	0.0		
3057	1	8	SLU 1	I	0.2	-0.0	-3.1	-0.0	-2.8	-0.0				SLERar~1	I	-0.0	-0.0	-17.8	-0.0	10.7	-0.0		
			J		0.2	-0.0	3.1	-0.0	-2.8	0.0				J		-0.0	-0.0	-28.5	-0.0	40.8	0.0		
			SLU 2	I	0.2	-0.0	-4.5	-0.0	-4.0	-0.0				SLE freq	I	-0.0	-0.0	-17.1	-0.0	10.4	-0.0		
			J		0.2	-0.0	4.5	-0.0	-4.0	0.0				J		-0.0	-0.0	-27.7	-0.0	39.5	0.0		
			SLU 3	I	0.1	-0.0	-3.1	-0.0	-2.8	-0.0				SLE qp	I	-0.0	-0.0	-13.3	-0.0	8.6	-0.0		
			J		0.1	-0.0	3.1	-0.0	-2.8	0.0				J		-0.0	-0.0	-23.6	-0.0	32.6	0.0		
			SLV X	I	0.6	0.9	-0.7	0.0	-0.6	2.2			3059	1	8	SLU 1	I	-0.0	0.0	-3.2	0.0	-2.9	0.0
			J		0.6	0.9	0.8	0.0	-0.6	2.2				J		-0.0	0.0	3.2	0.0	-2.9	-0.0		
			SLV Y	I	1.3	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	-0.0	0.0	-3.9	0.0	-3.5	0.0		
			J		1.3	0.3	0.8	0.0	-0.6	0.7				J		-0.0	0.0	3.9	0.0	-3.5	-0.0		
			SLE ra~1	I	0.1	-0.0	-2.1	-0.0	-1.9	-0.0				SLU 3	I	-0.0	0.0	-3.5	0.0	-3.2	0.0		
			J		0.1	-0.0	2.1	-0.0	-1.9	0.0				J		-0.0	0.0	3.5	0.0	-3.2	-0.0		
			SLE ra~2	I	0.1	-0.0	-3.0	-0.0	-2.8	-0.0				SLV X	I	0.7	0.6	-0.8	0.0	-0.6	1.6		
			J		0.1	-0.0	3.0	-0.0	-2.8	0.0				J		0.7	0.6	0.8	0.0	-0.6	1.6		
			SLErar~1	I	0.1	-0.0	-2.1	-0.0	-1.9	-0.0				SLV Y	I	1.4	0.2	-0.7	0.0	-0.6	0.5		
			J		0.1	-0.0	2.1	-0.0	-1.9	0.0				J		1.4	0.2	0.8	0.0	-0.6	0.5		
			SLE freq	I	0.1	-0.0	-1.9	-0.0	-1.7	-0.0				SLERa~1	I	-0.0	0.0	-2.2	0.0	-2.0	0.0		
			J		0.1	-0.0	1.9	-0.0	-1.7	0.0				J		-0.0	0.0	2.2	0.0	-2.0	-0.0		
			SLE qp	I	0.1	-0.0	-0.8	-0.0	-0.6	-0.0				SLERa~2	I	-0.0	0.0	-2.7	0.0	-2.4	0.0		
			J		0.1	-0.0	0.8	-0.0	-0.6	0.0				J		-0.0	0.0	2.7	0.0	-2.4	-0.0		
3058	1	20	SLU 1	I	-0.0	-0.0	-31.1	-0.0	18.9	-0.0				SLERar~1	I	-0.0	0.0	-2.4	0.0	-2.2	0.0		
			J		-0.0	-0.0	-51.9	-0.0	72.8	0.0				J		-0.0	0.0	2.4	0.0	-2.2	-0.0		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE freq	I	-0.0	0.0	-1.8	0.0	-1.6	0.0				SLE ra~1	I	-0.0	0.0	40.6	0.0	58.6	0.0		
				J	-0.0	0.0	1.8	0.0	-1.6	-0.0					J	-0.0	0.0	26.2	0.0	15.1	-0.0		
			SLE qp	I	0.0	0.0	-0.8	0.0	-0.6	0.0				SLE ra~2	I	-0.0	0.0	37.4	0.0	55.6	0.0		
				J	0.0	0.0	0.8	0.0	-0.6	-0.0					J	-0.0	0.0	26.0	0.0	14.4	-0.0		
3060	1	8	SLU 1	I	0.0	-0.0	-2.0	-0.0	-1.8	-0.0				SLErar~1	I	-0.0	0.0	35.6	0.0	52.5	0.0		
				J	0.0	-0.0	2.0	-0.0	-1.8	0.0					J	-0.0	0.0	24.3	0.0	13.6	-0.0		
			SLU 2	I	0.0	-0.0	-2.7	-0.0	-2.4	-0.0				SLE freq	I	-0.0	0.0	31.2	0.0	45.3	0.0		
				J	0.0	-0.0	2.7	-0.0	-2.4	0.0					J	-0.0	0.0	20.3	0.0	11.8	-0.0		
			SLU 3	I	0.0	-0.0	-2.0	-0.0	-1.8	-0.0				SLE qp	I	-0.0	0.0	23.6	0.0	32.6	0.0		
				J	0.0	-0.0	2.0	-0.0	-1.8	0.0					J	-0.0	0.0	13.3	0.0	8.6	-0.0		
			SLV X	I	0.7	0.6	-0.8	0.0	-0.6	1.6			3062	1	20	SLU 1	I	-0.0	-0.0	-4.1	-0.0	-0.0	-0.0
				J	0.7	0.6	0.8	0.0	-0.6	1.6					J	-0.0	-0.0	-24.9	-0.0	18.9	-0.0		
			SLV Y	I	1.4	0.2	-0.7	0.0	-0.6	0.5					SLU 2	I	-0.0	-0.0	-5.5	-0.0	-0.0	-0.0	
				J	1.4	0.2	0.8	0.0	-0.6	0.5					J	-0.0	-0.0	-21.8	-0.0	17.7	-0.0		
			SLE ra~1	I	0.0	-0.0	-1.4	-0.0	-1.3	-0.0					SLU 3	I	-0.0	-0.0	-4.1	-0.0	-0.0	-0.0	
				J	0.0	-0.0	1.4	-0.0	-1.3	0.0					J	-0.0	-0.0	-20.1	-0.0	15.7	-0.0		
			SLE ra~2	I	0.0	-0.0	-1.9	-0.0	-1.7	-0.0					SLV X	I	1.0	3.4	-1.1	0.0	0.0	3.1	
				J	0.0	-0.0	1.9	-0.0	-1.7	0.0					J	1.0	3.4	-11.3	0.0	9.2	1.3		
			SLErar~1	I	0.0	-0.0	-1.4	-0.0	-1.3	-0.0					SLV Y	I	3.3	1.1	-0.0	0.0	0.0	1.0	
				J	0.0	-0.0	1.4	-0.0	-1.3	0.0					J	3.3	1.1	-10.3	0.0	10.6	0.4		
			SLE freq	I	0.0	-0.0	-1.3	-0.0	-1.2	-0.0					SLE ra~1	I	-0.0	-0.0	-2.9	-0.0	-0.0	-0.0	
				J	0.0	-0.0	1.3	-0.0	-1.2	0.0					J	-0.0	-0.0	-16.8	-0.0	12.8	-0.0		
			SLE qp	I	0.0	-0.0	-0.8	-0.0	-0.6	-0.0					SLE ra~2	I	-0.0	-0.0	-3.8	-0.0	-0.0	-0.0	
				J	0.0	-0.0	0.8	-0.0	-0.6	0.0					J	-0.0	-0.0	-14.8	-0.0	12.1	-0.0		
3061	1	20	SLU 1	I	-0.0	0.0	60.4	0.0	86.8	0.0				SLErar~1	I	-0.0	-0.0	-2.9	-0.0	-0.0	-0.0		
				J	-0.0	0.0	38.8	0.0	22.4	-0.0					J	-0.0	-0.0	-13.6	-0.0	10.7	-0.0		
			SLU 2	I	-0.0	0.0	55.6	0.0	82.4	0.0				SLE freq	I	-0.0	-0.0	-2.6	-0.0	-0.0	-0.0		
				J	-0.0	0.0	38.5	0.0	21.2	-0.0					J	-0.0	-0.0	-13.3	-0.0	10.4	-0.0		
			SLU 3	I	-0.0	0.0	52.7	0.0	77.7	0.0				SLE qp	I	-0.0	-0.0	-1.5	-0.0	-0.0	-0.0		
				J	-0.0	0.0	35.9	0.0	20.1	-0.0					J	-0.0	-0.0	-11.8	-0.0	8.6	-0.0		
			SLV X	I	2.8	9.4	24.4	0.0	34.3	9.1			3063	1	34	SLU 1	I	1.3	0.0	-7.5	-0.0	-6.7	0.0
				J	2.8	9.4	14.1	0.0	9.2	3.2					J	1.3	0.0	7.5	-0.0	-6.7	-0.0		
			SLV Y	I	9.2	3.1	26.4	0.0	38.2	3.0					SLU 2	I	1.5	0.0	-8.9	-0.0	-8.0	0.0	
				J	9.2	3.1	16.1	0.0	10.6	1.0					J	1.5	0.0	8.9	-0.0	-8.0	-0.0		



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NUOVO COLLEGAMENTO PALERMO-CATANIA
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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	95 di 212

SLU 3	I	1.4	0.0	-8.1	-0.0	-7.2	0.0			SLE qp	I	0.5	-0.0	-2.2	0.0	-1.8	-0.0	
J		1.4	0.0	8.1	-0.0	-7.3	-0.0			J		0.5	-0.0	2.2	0.0	-1.8	0.0	
SLV X	I	3.1	1.4	11.5	0.0	32.4	3.6	3065	1	2	SLU 1	I	-117.2	0.0	12.4	-0.0	22.6	0.0
J		3.1	1.4	15.9	0.0	32.4	3.6			J		-106.1	0.0	12.4	-0.0	-54.2	-0.0	
SLV Y	I	1.5	0.6	1.9	0.0	8.5	1.5			SLU 2	I	-111.9	0.0	11.8	-0.0	21.4	0.0	
J		1.5	0.6	6.3	0.0	8.5	1.5			J		-100.9	0.0	11.8	-0.0	-51.6	-0.0	
SLE ra~1	I	0.9	0.0	-5.2	-0.0	-4.6	0.0			SLU 3	I	-106.9	0.0	10.8	-0.0	18.8	0.0	
J		0.9	0.0	5.2	-0.0	-4.6	-0.0			J		-95.9	0.0	10.8	-0.0	-47.8	-0.0	
SLE ra~2	I	1.0	0.0	-6.1	-0.0	-5.5	0.0			SLV X	I	-35.5	23.1	11.6	0.0	36.4	74.5	
J		1.0	0.0	6.2	-0.0	-5.5	-0.0			J		-27.4	23.1	11.6	0.0	-7.3	68.5	
SLErar~1	I	0.9	0.0	-5.6	-0.0	-5.0	0.0			SLV Y	I	-7.0	6.9	26.8	0.0	97.7	22.4	
J		0.9	0.0	5.6	-0.0	-5.0	-0.0			J		1.1	6.9	26.8	0.0	25.5	20.6	
SLE freq	I	0.8	0.0	-4.4	-0.0	-3.8	0.0			SLE ra~1	I	-79.9	0.0	8.4	-0.0	15.3	0.0	
J		0.8	0.0	4.4	-0.0	-3.9	-0.0			J		-71.7	0.0	8.4	-0.0	-36.7	-0.0	
SLE qp	I	0.5	0.0	-2.2	-0.0	-1.8	0.0			SLE ra~2	I	-76.4	0.0	8.0	-0.0	14.5	0.0	
J		0.5	0.0	2.2	-0.0	-1.8	-0.0			J		-68.2	0.0	8.0	-0.0	-34.9	-0.0	
3064	1	34	SLU 1	I	1.0	-0.0	-5.1	0.0	-4.4	-0.0	SLErar~1	I	-73.1	0.0	7.3	-0.0	12.8	0.0
J			J		1.0	-0.0	5.1	0.0	-4.5	0.0	J		-64.9	0.0	7.3	-0.0	-32.4	-0.0
SLU 2	I	1.1	-0.0	-6.5	0.0	-5.7	-0.0			SLE freq	I	-63.7	0.0	6.6	-0.0	12.3	0.0	
J		1.1	-0.0	6.5	0.0	-5.8	0.0			J		-55.5	0.0	6.6	-0.0	-28.7	-0.0	
SLU 3	I	0.9	-0.0	-5.1	0.0	-4.4	-0.0			SLE qp	I	-47.8	0.0	5.1	-0.0	10.0	0.0	
J		0.9	-0.0	5.1	0.0	-4.5	0.0			J		-39.7	0.0	5.1	-0.0	-21.3	-0.0	
SLV X	I	3.1	1.4	11.5	0.0	32.4	3.6	3066	1	2	SLU 1	I	-96.3	0.0	-12.4	-0.0	-26.6	0.0
J		3.1	1.4	15.9	0.0	32.4	3.6			J		-85.3	0.0	-12.4	-0.0	50.2	-0.0	
SLV Y	I	1.5	0.6	1.9	0.0	8.5	1.5			SLU 2	I	-91.0	0.0	-11.8	0.0	-25.4	0.0	
J		1.5	0.6	6.3	0.0	8.5	1.5			J		-80.0	0.0	-11.8	0.0	47.6	-0.0	
SLE ra~1	I	0.7	-0.0	-3.6	0.0	-3.1	-0.0			SLU 3	I	-80.8	0.0	-10.8	-0.0	-23.9	0.0	
J		0.7	-0.0	3.6	0.0	-3.2	0.0			J		-69.8	0.0	-10.8	-0.0	42.8	-0.0	
SLE ra~2	I	0.8	-0.0	-4.5	0.0	-4.0	-0.0			SLV X	I	-35.5	23.1	1.5	0.0	16.3	74.5	
J		0.8	-0.0	4.5	0.0	-4.0	0.0			J		-27.4	23.1	1.5	0.0	35.4	68.5	
SLErar~1	I	0.7	-0.0	-3.6	0.0	-3.1	-0.0			SLV Y	I	-7.0	6.9	16.6	0.0	77.6	22.4	
J		0.7	-0.0	3.6	0.0	-3.2	0.0			J		1.2	6.9	16.6	0.0	68.2	20.6	
SLE freq	I	0.6	-0.0	-3.4	0.0	-2.9	-0.0			SLE ra~1	I	-66.0	0.0	-8.4	-0.0	-18.0	0.0	
J		0.6	-0.0	3.4	0.0	-2.9	0.0			J		-57.8	0.0	-8.4	-0.0	34.0	-0.0	

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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SLE ra~2	I	-62.5	0.0	-8.0	0.0	-17.2	0.0	SLV X	I	0.4	0.0	-0.7	0.0	-0.6	0.0
J	-54.3	0.0	-8.0	0.0	32.3	-0.0	J	0.4	0.0	0.8	0.0	-0.6	0.0		
SLE ra~1	I	-55.7	0.0	-7.3	-0.0	-16.2	0.0	SLV Y	I	0.2	0.0	-0.8	0.0	-0.6	0.1
J	-47.5	0.0	-7.3	-0.0	29.0	-0.0	J	0.2	0.0	0.8	0.0	-0.6	0.1		
SLE freq	I	-55.0	0.0	-6.6	0.0	-14.0	0.0	SLE ra~1	I	0.2	-0.0	-3.0	0.0	-2.7	-0.0
J	-46.8	0.0	-6.6	0.0	27.0	-0.0	J	0.2	-0.0	3.0	0.0	-2.7	0.0		
SLE qp	I	-47.8	0.0	-5.1	0.0	-10.0	0.0	SLE ra~2	I	0.2	-0.0	-4.0	0.0	-3.6	-0.0
J	-39.7	0.0	-5.1	0.0	21.3	-0.0	J	0.2	-0.0	4.0	0.0	-3.6	0.0		
3067 1 20 SLU 1	I	12.4	-0.0	-23.2	-0.0	-22.6	-0.0	SLE ra~1	I	0.2	-0.0	-3.2	0.0	-2.9	-0.0
J	12.4	-0.0	-1.0	-0.0	-5.9	0.0	J	0.2	-0.0	3.2	0.0	-2.9	0.0		
SLU 2	I	11.8	-0.0	-19.9	-0.0	-20.7	-0.0	SLE freq	I	0.2	-0.0	-2.5	0.0	-2.2	-0.0
J	11.8	-0.0	-2.5	-0.0	-5.3	0.0	J	0.2	-0.0	2.5	0.0	-2.2	0.0		
SLU 3	I	10.8	-0.0	-17.5	-0.0	-17.4	-0.0	SLE qp	I	0.1	0.0	-0.8	0.0	-0.6	0.0
J	10.8	-0.0	-0.5	-0.0	-5.0	0.0	J	0.1	0.0	0.8	0.0	-0.6	-0.0		
SLV X	I	6.0	2.9	-0.3	0.0	4.4	2.2	3069 1 20 SLU 1	I	12.4	0.0	7.8	0.0	-5.9	0.0
J	6.0	2.9	10.6	0.0	-2.7	1.9	J	12.4	0.0	30.8	0.0	-32.6	-0.0		
SLV Y	I	8.1	1.1	26.3	0.0	41.1	0.9	SLU 2	I	11.8	0.0	9.3	0.0	-5.3	0.0
J	8.1	1.1	37.2	0.0	-2.7	0.6	J	11.8	0.0	27.5	0.0	-30.7	-0.0		
SLE ra~1	I	8.4	-0.0	-15.6	-0.0	-15.3	-0.0	SLU 3	I	10.8	0.0	9.0	0.0	-5.0	0.0
J	8.4	-0.0	-0.7	-0.0	-4.0	0.0	J	10.8	0.0	27.0	0.0	-29.8	-0.0		
SLE ra~2	I	8.0	-0.0	-13.4	-0.0	-14.0	-0.0	SLV X	I	6.0	2.9	12.2	0.0	-2.7	1.9
J	8.0	-0.0	-1.7	-0.0	-3.6	0.0	J	6.0	2.9	23.1	0.0	4.4	2.2		
SLE ra~1	I	7.3	-0.0	-11.8	-0.0	-11.8	-0.0	SLV Y	I	8.1	1.1	38.7	0.0	-2.7	0.6
J	7.3	-0.0	-0.4	-0.0	-3.4	0.0	J	8.1	1.1	49.6	0.0	41.1	0.9		
SLE freq	I	6.6	-0.0	-12.4	-0.0	-12.5	-0.0	SLE ra~1	I	8.4	0.0	5.3	0.0	-4.0	0.0
J	6.6	-0.0	-1.1	-0.0	-3.2	0.0	J	8.4	0.0	20.7	0.0	-21.9	-0.0		
SLE qp	I	5.1	-0.0	-11.7	-0.0	-11.3	-0.0	SLE ra~2	I	8.0	0.0	6.3	0.0	-3.6	0.0
J	5.1	-0.0	-0.8	-0.0	-2.7	0.0	J	8.0	0.0	18.5	0.0	-20.7	-0.0		
3068 1 8 SLU 1	I	0.3	-0.0	-4.4	0.0	-4.0	-0.0	SLE ra~1	I	7.3	0.0	6.1	0.0	-3.4	0.0
J	0.3	-0.0	4.4	0.0	-4.0	0.0	J	7.3	0.0	18.1	0.0	-20.1	-0.0		
SLU 2	I	0.3	-0.0	-5.9	0.0	-5.4	-0.0	SLE freq	I	6.6	0.0	3.9	0.0	-3.2	0.0
J	0.3	-0.0	5.9	0.0	-5.4	0.0	J	6.6	0.0	15.5	0.0	-16.6	-0.0		
SLU 3	I	0.3	-0.0	-4.7	0.0	-4.3	-0.0	SLE qp	I	5.1	0.0	0.8	0.0	-2.7	0.0
J	0.3	-0.0	4.7	0.0	-4.3	0.0	J	5.1	0.0	11.7	0.0	-11.3	-0.0		

Stazione di Catenanuova
 Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	97 di 212

3070	1	8	SLU 1	I	0.2	0.0	-5.4	-0.0	-4.9	0.0		SLErar~1	I	-0.0	0.0	16.1	0.0	13.6	-0.0					
			J	0.2	0.0	5.4	-0.0	-4.9	-0.0			J	-0.0	0.0	4.8	0.0	-0.0	-0.0						
			SLU 2	I	0.2	0.0	-6.8	-0.0	-6.2	0.0		SLE freq	I	-0.0	0.0	14.5	0.0	11.8	-0.0					
			J	0.2	0.0	6.8	-0.0	-6.2	-0.0			J	-0.0	0.0	3.6	0.0	-0.0	-0.0						
			SLU 3	I	0.2	0.0	-6.0	-0.0	-5.5	0.0		SLE qp	I	-0.0	0.0	11.8	0.0	8.6	-0.0					
			J	0.2	0.0	6.0	-0.0	-5.5	-0.0			J	-0.0	0.0	1.5	0.0	-0.0	-0.0						
			SLV X	I	1.1	0.9	-0.7	0.0	-0.6	2.2		3072	1	8	SLU 1	I	0.2	-0.0	-3.1	0.0	-2.8	-0.0		
			J	1.1	0.9	0.8	0.0	-0.6	2.2					J	0.2	-0.0	3.1	0.0	-2.8	0.0				
			SLV Y	I	1.4	0.3	-0.7	0.0	-0.6	0.7				SLU 2	I	0.2	-0.0	-4.5	0.0	-4.0	-0.0			
			J	1.4	0.3	0.8	0.0	-0.6	0.7				J	0.2	-0.0	4.5	0.0	-4.0	0.0					
			SLE ra~1	I	0.1	0.0	-3.7	-0.0	-3.4	0.0				SLU 3	I	0.1	-0.0	-3.1	0.0	-2.8	-0.0			
			J	0.1	0.0	3.7	-0.0	-3.3	-0.0				J	0.1	-0.0	3.1	0.0	-2.8	0.0					
			SLE ra~2	I	0.1	0.0	-4.6	-0.0	-4.2	0.0				SLV X	I	1.1	0.9	-0.7	0.0	-0.6	2.2			
			J	0.1	0.0	4.6	-0.0	-4.2	-0.0				J	1.1	0.9	0.8	0.0	-0.6	2.2					
			SLErar~1	I	0.1	0.0	-4.1	-0.0	-3.7	0.0				SLV Y	I	1.4	0.3	-0.7	0.0	-0.6	0.7			
			J	0.1	0.0	4.1	-0.0	-3.7	-0.0				J	1.4	0.3	0.8	0.0	-0.6	0.7					
			SLE freq	I	0.1	0.0	-2.9	-0.0	-2.6	0.0				SLE ra~1	I	0.1	-0.0	-2.1	0.0	-1.9	-0.0			
			J	0.1	0.0	2.9	-0.0	-2.6	-0.0				J	0.1	-0.0	2.1	0.0	-1.9	0.0					
			SLE qp	I	0.1	0.0	-0.8	-0.0	-0.6	0.0				SLE ra~2	I	0.1	-0.0	-3.0	0.0	-2.8	-0.0			
			J	0.1	0.0	0.8	-0.0	-0.6	-0.0				J	0.1	-0.0	3.0	0.0	-2.8	0.0					
3071	1	20	SLU 1	I	-0.0	0.0	28.0	0.0	22.4	-0.0			SLErar~1	I	0.1	-0.0	-2.1	0.0	-1.9	-0.0				
			J	-0.0	0.0	6.4	0.0	-0.0	-0.0				J	0.1	-0.0	2.1	0.0	-1.9	0.0					
			SLU 2	I	-0.0	0.0	24.9	0.0	21.2	-0.0				SLE freq	I	0.1	-0.0	-1.9	0.0	-1.7	-0.0			
			J	-0.0	0.0	7.8	0.0	-0.0	-0.0				J	0.1	-0.0	1.9	0.0	-1.7	0.0					
			SLU 3	I	-0.0	0.0	23.9	0.0	20.1	-0.0				SLE qp	I	0.1	-0.0	-0.8	0.0	-0.6	-0.0			
			J	-0.0	0.0	7.0	0.0	-0.0	-0.0				J	0.1	-0.0	0.8	0.0	-0.6	0.0					
			SLV X	I	1.0	3.4	12.2	0.0	9.2	1.3				3073	1	20	SLU 1	I	-0.0	-0.0	-31.1	-0.0	18.9	-0.0
			J	1.0	3.4	2.0	0.0	0.0	3.1					J	-0.0	-0.0	-51.9	-0.0	72.8	0.0				
			SLV Y	I	3.3	1.1	13.3	0.0	10.6	0.4						SLU 2	I	-0.0	-0.0	-30.7	-0.0	17.7	-0.0	
			J	3.3	1.1	3.0	0.0	0.0	1.0					J	-0.0	-0.0	-47.1	-0.0	68.4	0.0				
			SLE ra~1	I	-0.0	0.0	18.9	0.0	15.1	-0.0						SLU 3	I	-0.0	-0.0	-26.2	-0.0	15.7	-0.0	
			J	-0.0	0.0	4.4	0.0	-0.0	-0.0					J	-0.0	-0.0	-42.2	-0.0	60.1	0.0				
			SLE ra~2	I	-0.0	0.0	16.8	0.0	14.4	-0.0						SLV X	I	2.8	9.4	-12.5	0.0	9.2	3.2	
			J	-0.0	0.0	5.4	0.0	-0.0	-0.0					J	2.8	9.4	-22.7	0.0	34.3	9.1				



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TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLV Y	I	9.2	3.1	-10.5	0.0	10.6	1.0				SLU 2	I	0.0	-0.0	-2.7	0.0	-2.4	-0.0		
			J		9.2	3.1	-20.8	0.0	38.2	3.0				J		0.0	-0.0	2.7	0.0	-2.4	0.0		
			SLE ra~1	I	-0.0	-0.0	-21.1	-0.0	12.8	-0.0				SLU 3	I	0.0	-0.0	-2.0	0.0	-1.8	-0.0		
			J		-0.0	-0.0	-35.0	-0.0	49.3	0.0				J		0.0	-0.0	2.0	0.0	-1.8	0.0		
			SLE ra~2	I	-0.0	-0.0	-20.9	-0.0	12.1	-0.0				SLV X	I	1.4	0.6	-0.7	0.0	-0.6	1.6		
			J		-0.0	-0.0	-31.8	-0.0	46.3	0.0				J		1.4	0.6	0.8	0.0	-0.6	1.6		
			SLErar~1	I	-0.0	-0.0	-17.8	-0.0	10.7	-0.0				SLV Y	I	1.6	0.2	-0.7	0.0	-0.6	0.5		
			J		-0.0	-0.0	-28.5	-0.0	40.8	0.0				J		1.6	0.2	0.8	0.0	-0.6	0.5		
			SLE freq	I	-0.0	-0.0	-17.1	-0.0	10.4	-0.0				SLE ra~1	I	0.0	-0.0	-1.4	0.0	-1.3	-0.0		
			J		-0.0	-0.0	-27.7	-0.0	39.5	0.0				J		0.0	-0.0	1.4	0.0	-1.3	0.0		
			SLE qp	I	-0.0	-0.0	-13.3	-0.0	8.6	-0.0				SLE ra~2	I	0.0	-0.0	-1.9	0.0	-1.7	-0.0		
			J		-0.0	-0.0	-23.6	-0.0	32.6	0.0				J		0.0	-0.0	1.9	0.0	-1.7	0.0		
3074	1	8	SLU 1	I	-0.0	0.0	-3.2	-0.0	-2.9	0.0				SLErar~1	I	0.0	-0.0	-1.4	0.0	-1.3	-0.0		
			J		-0.0	0.0	3.2	-0.0	-2.9	-0.0				J		0.0	-0.0	1.4	0.0	-1.3	0.0		
			SLU 2	I	-0.0	0.0	-3.9	-0.0	-3.5	0.0				SLE freq	I	0.0	-0.0	-1.3	0.0	-1.2	-0.0		
			J		-0.0	0.0	3.9	-0.0	-3.5	-0.0				J		0.0	-0.0	1.3	0.0	-1.2	0.0		
			SLU 3	I	-0.0	0.0	-3.5	-0.0	-3.2	0.0				SLE qp	I	0.0	-0.0	-0.8	0.0	-0.6	-0.0		
			J		-0.0	0.0	3.5	-0.0	-3.2	-0.0				J		0.0	-0.0	0.8	0.0	-0.6	0.0		
			SLV X	I	1.4	0.6	-0.7	0.0	-0.6	1.6			3076	1	20	SLU 1	I	-0.0	0.0	60.3	0.0	86.8	0.0
			J		1.4	0.6	0.8	0.0	-0.6	1.6				J		-0.0	0.0	38.8	0.0	22.4	-0.0		
			SLV Y	I	1.6	0.2	-0.7	0.0	-0.6	0.5				SLU 2	I	-0.0	0.0	55.5	0.0	82.3	0.0		
			J		1.6	0.2	0.8	0.0	-0.6	0.5				J		-0.0	0.0	38.4	0.0	21.3	-0.0		
			SLE ra~1	I	-0.0	0.0	-2.2	-0.0	-2.0	0.0				SLU 3	I	-0.0	0.0	52.7	0.0	77.6	0.0		
			J		-0.0	0.0	2.2	-0.0	-2.0	-0.0				J		-0.0	0.0	35.8	0.0	20.1	-0.0		
			SLE ra~2	I	-0.0	0.0	-2.7	-0.0	-2.4	0.0				SLV X	I	2.7	9.4	24.4	0.0	34.3	9.0		
			J		-0.0	0.0	2.7	-0.0	-2.4	-0.0				J		2.7	9.4	14.1	0.0	9.3	3.1		
			SLErar~1	I	-0.0	0.0	-2.4	-0.0	-2.2	0.0				SLV Y	I	9.0	3.1	26.3	0.0	38.0	3.0		
			J		-0.0	0.0	2.4	-0.0	-2.2	-0.0				J		9.0	3.1	16.0	0.0	10.5	1.0		
			SLE freq	I	-0.0	0.0	-1.8	-0.0	-1.6	0.0				SLE ra~1	I	-0.0	0.0	40.6	0.0	58.6	0.0		
			J		-0.0	0.0	1.8	-0.0	-1.6	-0.0				J		-0.0	0.0	26.2	0.0	15.1	-0.0		
			SLE qp	I	0.0	0.0	-0.8	-0.0	-0.6	0.0				SLE ra~2	I	-0.0	0.0	37.4	0.0	55.6	0.0		
			J		0.0	0.0	0.8	-0.0	-0.6	-0.0				J		-0.0	0.0	26.0	0.0	14.4	-0.0		
3075	1	8	SLU 1	I	0.0	-0.0	-2.0	0.0	-1.8	-0.0				SLErar~1	I	-0.0	0.0	35.5	0.0	52.5	0.0		
			J		0.0	-0.0	2.0	0.0	-1.8	0.0				J		-0.0	0.0	24.2	0.0	13.6	-0.0		



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE freq	I	-0.0	0.0	31.2	0.0	45.3	0.0				SLE ra~1	I	0.9	-0.0	-5.2	-0.0	-4.6	0.0	
				J	-0.0	0.0	20.3	0.0	11.8	-0.0					J	0.9	-0.0	5.2	-0.0	-4.6	0.0	
			SLE qp	I	-0.0	0.0	23.6	0.0	32.6	0.0				SLE ra~2	I	1.0	-0.0	-6.2	-0.0	-5.5	0.0	
				J	-0.0	0.0	13.3	0.0	8.6	-0.0					J	1.0	-0.0	6.1	-0.0	-5.4	0.0	
3077	1	20	SLU 1	I	0.0	0.0	-4.1	0.0	0.0	-0.0				SLErar~1	I	1.0	-0.0	-5.6	-0.0	-5.0	0.0	
				J	0.0	0.0	-24.9	0.0	18.8	-0.0					J	1.0	-0.0	5.6	-0.0	-4.9	0.0	
			SLU 2	I	0.0	-0.0	-5.5	0.0	0.0	-0.0				SLE freq	I	0.8	0.0	-4.4	-0.0	-3.9	0.0	
				J	0.0	-0.0	-21.8	0.0	17.7	-0.0					J	0.8	0.0	4.4	-0.0	-3.8	0.0	
			SLU 3	I	0.0	0.0	-4.1	0.0	0.0	-0.0				SLE qp	I	0.5	0.0	-2.2	-0.0	-1.8	0.0	
				J	0.0	0.0	-20.0	0.0	15.7	-0.0					J	0.5	0.0	2.2	-0.0	-1.8	-0.0	
			SLV X	I	1.0	3.4	-1.0	0.0	0.0	3.1		3079	1	34	SLU 1	I	1.0	-0.0	-5.1	0.0	-4.5	-0.0
				J	1.0	3.4	-11.3	0.0	9.3	1.3					J	1.0	-0.0	5.1	0.0	-4.4	0.0	
			SLV Y	I	3.3	1.1	-0.0	0.0	0.0	1.0					SLU 2	I	1.2	-0.0	-6.5	0.0	-5.8	-0.0
				J	3.3	1.1	-10.3	0.0	10.5	0.4					J	1.2	-0.0	6.5	0.0	-5.7	0.0	
			SLE ra~1	I	0.0	-0.0	-2.9	0.0	0.0	-0.0				SLU 3	I	1.0	-0.0	-5.1	0.0	-4.5	-0.0	
				J	0.0	-0.0	-16.8	0.0	12.8	-0.0					J	1.0	-0.0	5.1	0.0	-4.4	0.0	
			SLE ra~2	I	0.0	-0.0	-3.8	0.0	0.0	-0.0				SLV X	I	4.9	1.4	11.5	0.0	32.4	3.6	
				J	0.0	-0.0	-14.8	0.0	12.1	-0.0					J	4.9	1.4	15.9	0.0	32.4	3.6	
			SLErar~1	I	0.0	0.0	-2.9	0.0	0.0	-0.0				SLV Y	I	2.1	0.6	1.9	0.0	8.4	1.5	
				J	0.0	0.0	-13.6	0.0	10.7	-0.0					J	2.1	0.6	6.3	0.0	8.5	1.6	
			SLE freq	I	0.0	-0.0	-2.6	0.0	0.0	-0.0				SLE ra~1	I	0.7	-0.0	-3.6	0.0	-3.2	-0.0	
				J	0.0	-0.0	-13.3	0.0	10.3	-0.0					J	0.7	-0.0	3.6	0.0	-3.1	0.0	
			SLE qp	I	-0.0	-0.0	-1.5	0.0	0.0	-0.0				SLE ra~2	I	0.8	-0.0	-4.6	0.0	-4.0	-0.0	
				J	-0.0	-0.0	-11.8	0.0	8.6	-0.0					J	0.8	-0.0	4.5	0.0	-4.0	0.0	
3078	1	34	SLU 1	I	1.4	-0.0	-7.5	-0.0	-6.7	0.0				SLErar~1	I	0.7	-0.0	-3.6	0.0	-3.2	-0.0	
				J	1.4	-0.0	7.5	-0.0	-6.6	0.0					J	0.7	-0.0	3.6	0.0	-3.1	0.0	
			SLU 2	I	1.5	-0.0	-8.9	-0.0	-8.0	0.0				SLE freq	I	0.6	-0.0	-3.4	0.0	-2.9	-0.0	
				J	1.5	-0.0	8.9	-0.0	-7.9	0.0					J	0.6	-0.0	3.4	0.0	-2.9	0.0	
			SLU 3	I	1.4	-0.0	-8.1	-0.0	-7.3	0.0				SLE qp	I	0.5	-0.0	-2.2	0.0	-1.8	-0.0	
				J	1.4	-0.0	8.1	-0.0	-7.1	0.0					J	0.5	-0.0	2.2	0.0	-1.8	0.0	
			SLV X	I	4.9	1.4	11.5	0.0	32.4	3.6		3080	1	2	SLU 1	I	-116.9	0.0	12.4	0.0	22.6	0.1
				J	4.9	1.4	15.9	0.0	32.4	3.6					J	-105.8	0.0	12.4	0.0	-54.2	-0.1	
			SLV Y	I	2.1	0.6	1.9	0.0	8.4	1.5					SLU 2	I	-111.6	0.0	11.8	0.0	21.4	0.1
				J	2.1	0.6	6.3	0.0	8.5	1.6					J	-100.6	0.0	11.8	0.0	-51.6	-0.1	



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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SLU 3	I	-106.6	0.0	10.7	0.0	18.8	0.1			SLE qp	I	-47.7	0.0	-5.1	0.0	-10.0	0.0		
J	-95.6	0.0	10.7	0.0	-47.8	-0.1			J	-39.5	0.0	-5.1	0.0	21.3	-0.0				
SLV X	I	-35.4	23.1	11.5	0.0	36.0	74.6	3082	1	20	SLU 1	I	12.4	-0.0	-23.1	0.0	-22.6	-0.0	
J	-27.3	23.1	11.5	0.0	-7.4	68.6			J	12.4	-0.0	-1.0	0.0	-5.9	0.0				
SLV Y	I	-7.5	6.9	26.4	0.0	96.5	22.4			SLU 2	I	11.8	-0.0	-19.9	0.0	-20.7	-0.0		
J	0.6	6.9	26.4	0.0	24.9	20.6			J	11.8	-0.0	-2.4	0.0	-5.3	0.0				
SLE ra~1	I	-79.7	0.0	8.4	0.0	15.3	0.0			SLU 3	I	10.7	-0.0	-17.4	0.0	-17.3	-0.0		
J	-71.5	0.0	8.4	0.0	-36.7	-0.1			J	10.7	-0.0	-0.4	0.0	-5.0	0.0				
SLE ra~2	I	-76.2	0.0	8.0	0.0	14.5	0.0			SLV X	I	6.0	2.9	-0.4	0.0	4.2	2.1		
J	-68.0	0.0	8.0	0.0	-34.9	-0.1			J	6.0	2.9	10.5	0.0	-2.7	1.8				
SLE rar~1	I	-72.9	0.0	7.3	0.0	12.8	0.0			SLV Y	I	8.1	1.1	25.7	0.0	40.3	0.9		
J	-64.7	0.0	7.3	0.0	-32.4	-0.1			J	8.1	1.1	36.7	0.0	-2.7	0.6				
SLE freq	I	-63.5	0.0	6.6	0.0	12.3	0.0			SLE ra~1	I	8.4	-0.0	-15.6	0.0	-15.3	-0.0		
J	-55.3	0.0	6.6	0.0	-28.7	-0.0			J	8.4	-0.0	-0.7	0.0	-4.0	0.0				
SLE qp	I	-47.7	0.0	5.1	-0.0	10.0	0.0			SLE ra~2	I	8.0	-0.0	-13.4	0.0	-14.0	-0.0		
J	-39.6	0.0	5.1	-0.0	-21.3	-0.0			J	8.0	-0.0	-1.7	0.0	-3.6	0.0				
3081	1	2	SLU 1	I	-96.1	0.0	-12.4	0.0	-26.6	0.0	SLE rar~1	I	7.3	-0.0	-11.7	0.0	-11.8	-0.0	
J	-85.0	0.0	-12.4	0.0	50.2	-0.1			J	7.3	-0.0	-0.4	0.0	-3.4	0.0				
SLU 2	I	-90.8	0.0	-11.8	0.0	-25.4	0.0			SLE freq	I	6.6	-0.0	-12.3	0.0	-12.4	-0.0		
J	-79.8	0.0	-11.8	0.0	47.6	-0.1			J	6.6	-0.0	-1.0	0.0	-3.2	0.0				
SLU 3	I	-80.6	0.0	-10.7	0.0	-23.9	0.0			SLE qp	I	5.1	-0.0	-11.7	0.0	-11.3	-0.0		
J	-69.6	0.0	-10.7	0.0	42.7	-0.1			J	5.1	-0.0	-0.7	0.0	-2.7	0.0				
SLV X	I	-35.4	23.1	1.4	0.0	15.9	74.6	3083	1	8	SLU 1	I	0.2	-0.0	-4.4	-0.0	-4.0	-0.0	
J	-27.3	23.1	1.4	0.0	35.2	68.6			J	0.2	-0.0	4.4	-0.0	-4.0	0.0				
SLV Y	I	-7.5	6.9	16.3	0.0	76.4	22.4			SLU 2	I	0.3	-0.0	-5.8	-0.0	-5.3	-0.0		
J	0.6	6.9	16.3	0.0	67.5	20.6			J	0.3	-0.0	5.9	-0.0	-5.4	0.0				
SLE ra~1	I	-65.8	0.0	-8.4	0.0	-18.0	0.0			SLU 3	I	0.2	-0.0	-4.7	-0.0	-4.3	-0.0		
J	-57.7	0.0	-8.4	0.0	34.0	-0.0			J	0.2	-0.0	4.7	-0.0	-4.3	0.0				
SLE ra~2	I	-62.3	0.0	-8.0	0.0	-17.2	0.0			SLV X	I	0.7	0.0	-0.7	0.0	-0.5	0.0		
J	-54.2	0.0	-8.0	0.0	32.2	-0.1			J	0.7	0.0	0.8	0.0	-0.6	0.0				
SLE rar~1	I	-55.5	0.0	-7.3	0.0	-16.1	0.0			SLV Y	I	0.3	0.0	-0.7	0.0	-0.6	0.1		
J	-47.4	0.0	-7.3	0.0	29.0	-0.0			J	0.3	0.0	0.8	0.0	-0.6	0.1				
SLE freq	I	-54.8	0.0	-6.6	0.0	-14.0	0.0			SLE ra~1	I	0.2	-0.0	-3.0	-0.0	-2.7	-0.0		
J	-46.7	0.0	-6.6	0.0	27.0	-0.0			J	0.2	-0.0	3.0	-0.0	-2.7	0.0				

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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		SLE ra-2	I	0.2	-0.0	-4.0	-0.0	-3.6	-0.0			SLV X	I	1.6	0.9	-0.7	0.0	-0.6	2.2		
			J	0.2	-0.0	4.0	-0.0	-3.6	0.0				J	1.6	0.9	0.8	0.0	-0.6	2.2		
		SLE rar-1	I	0.2	-0.0	-3.2	-0.0	-2.9	-0.0			SLV Y	I	1.7	0.3	-0.7	0.0	-0.6	0.7		
			J	0.2	-0.0	3.2	-0.0	-2.9	0.0				J	1.7	0.3	0.8	0.0	-0.6	0.7		
		SLE freq	I	0.1	-0.0	-2.5	-0.0	-2.2	-0.0			SLE ra-1	I	0.1	0.0	-3.7	-0.0	-3.3	0.0		
			J	0.1	-0.0	2.5	-0.0	-2.2	0.0				J	0.1	0.0	3.7	-0.0	-3.4	-0.0		
		SLE qp	I	0.1	0.0	-0.7	0.0	-0.6	0.0			SLE ra-2	I	0.1	0.0	-4.6	-0.0	-4.2	0.0		
			J	0.1	0.0	0.8	0.0	-0.6	-0.0				J	0.1	0.0	4.6	-0.0	-4.2	-0.0		
3084	1	20	SLU 1	I	12.4	0.0	7.8	-0.0	-5.9	0.0		SLE rar-1	I	0.1	0.0	-4.1	-0.0	-3.7	0.0		
			J	12.4	0.0	30.8	-0.0	-32.5	-0.0				J	0.1	0.0	4.1	-0.0	-3.7	-0.0		
		SLU 2	I	11.8	0.0	9.2	-0.0	-5.3	0.0			SLE freq	I	0.1	0.0	-2.9	-0.0	-2.6	0.0		
			J	11.8	0.0	27.5	-0.0	-30.7	-0.0				J	0.1	0.0	2.9	-0.0	-2.6	-0.0		
		SLU 3	I	10.7	0.0	9.0	-0.0	-5.0	0.0			SLE qp	I	0.1	0.0	-0.7	-0.0	-0.6	0.0		
			J	10.7	0.0	26.9	-0.0	-29.8	-0.0				J	0.1	0.0	0.8	-0.0	-0.6	-0.0		
		SLV X	I	6.0	2.9	12.0	0.0	-2.7	1.8		3086	1	20	SLU 1	I	-0.0	0.0	28.0	-0.0	22.4	-0.0
			J	6.0	2.9	22.9	0.0	4.2	2.1				J	-0.0	0.0	6.4	-0.0	0.0	-0.0		
		SLV Y	I	8.1	1.1	38.1	0.0	-2.7	0.6			SLU 2	I	-0.0	0.0	24.9	-0.0	21.3	-0.0		
			J	8.1	1.1	49.1	0.0	40.3	0.9				J	-0.0	0.0	7.8	-0.0	0.0	-0.0		
		SLE ra-1	I	8.4	0.0	5.3	-0.0	-4.0	0.0			SLU 3	I	-0.0	0.0	23.9	-0.0	20.1	-0.0		
			J	8.4	0.0	20.6	-0.0	-21.9	-0.0				J	-0.0	0.0	7.0	-0.0	0.0	-0.0		
		SLE ra-2	I	8.0	0.0	6.2	-0.0	-3.6	0.0			SLV X	I	1.0	3.4	12.3	0.0	9.3	1.3		
			J	8.0	0.0	18.5	-0.0	-20.7	-0.0				J	1.0	3.4	2.0	0.0	0.0	3.1		
		SLE rar-1	I	7.3	0.0	6.1	-0.0	-3.4	0.0			SLV Y	I	3.3	1.1	13.3	0.0	10.5	0.4		
			J	7.3	0.0	18.1	-0.0	-20.1	-0.0				J	3.3	1.1	3.0	0.0	0.0	1.0		
		SLE freq	I	6.6	0.0	3.9	-0.0	-3.2	0.0			SLE ra-1	I	-0.0	0.0	18.9	-0.0	15.1	-0.0		
			J	6.6	0.0	15.5	-0.0	-16.6	-0.0				J	-0.0	0.0	4.4	-0.0	0.0	-0.0		
		SLE qp	I	5.1	0.0	0.7	-0.0	-2.7	0.0			SLE ra-2	I	-0.0	0.0	16.8	-0.0	14.4	-0.0		
			J	5.1	0.0	11.7	-0.0	-11.3	-0.0				J	-0.0	0.0	5.4	-0.0	0.0	-0.0		
3085	1	8	SLU 1	I	0.2	0.0	-5.4	-0.0	-4.9	0.0		SLE rar-1	I	-0.0	0.0	16.1	-0.0	13.6	-0.0		
			J	0.2	0.0	5.4	-0.0	-4.9	-0.0				J	-0.0	0.0	4.8	-0.0	0.0	-0.0		
		SLU 2	I	0.2	0.0	-6.8	-0.0	-6.2	0.0			SLE freq	I	-0.0	0.0	14.5	-0.0	11.8	-0.0		
			J	0.2	0.0	6.8	-0.0	-6.2	-0.0				J	-0.0	0.0	3.6	-0.0	0.0	-0.0		
		SLU 3	I	0.2	0.0	-6.0	-0.0	-5.4	0.0			SLE qp	I	-0.0	0.0	11.8	-0.0	8.6	-0.0		
			J	0.2	0.0	6.0	-0.0	-5.5	-0.0				J	-0.0	0.0	1.5	-0.0	0.0	-0.0		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	102 di 212

3087	1	8	SLU 1	I	0.1	-0.0	-3.1	0.0	-2.7	-0.0	SLErar~1	I	0.0	-0.0	-17.8	-0.0	10.7	-0.0			
			J	0.1	-0.0	3.1	0.0	-2.8	0.0		J	0.0	-0.0	-28.5	-0.0	40.8	0.0				
			SLU 2	I	0.2	-0.0	-4.4	0.0	-4.0	-0.0	SLE freq	I	-0.0	-0.0	-17.0	-0.0	10.3	-0.0			
			J	0.2	-0.0	4.5	0.0	-4.0	0.0		J	-0.0	-0.0	-27.7	-0.0	39.4	0.0				
			SLU 3	I	0.1	-0.0	-3.1	0.0	-2.7	-0.0	SLE qp	I	-0.0	-0.0	-13.3	-0.0	8.6	-0.0			
			J	0.1	-0.0	3.1	0.0	-2.8	0.0		J	-0.0	-0.0	-23.6	-0.0	32.6	0.0				
			SLV X	I	1.6	0.9	-0.7	0.0	-0.6	2.2	3089	1	8	SLU 1	I	-0.0	0.0	-3.2	-0.0	-2.9	0.0
			J	1.6	0.9	0.8	0.0	-0.6	2.2		J	-0.0	0.0	3.2	-0.0	-2.9	-0.0				
			SLV Y	I	1.7	0.3	-0.7	0.0	-0.6	0.7	SLU 2	I	-0.0	0.0	-3.9	-0.0	-3.5	0.0			
			J	1.7	0.3	0.8	0.0	-0.6	0.7	J	-0.0	0.0	3.9	-0.0	-3.5	-0.0					
			SLE ra~1	I	0.1	-0.0	-2.1	0.0	-1.9	-0.0	SLU 3	I	-0.0	0.0	-3.5	-0.0	-3.2	0.0			
			J	0.1	-0.0	2.1	0.0	-1.9	0.0	J	-0.0	0.0	3.5	-0.0	-3.2	-0.0					
			SLE ra~2	I	0.1	-0.0	-3.0	0.0	-2.7	-0.0	SLV X	I	2.1	0.6	-0.7	0.0	-0.6	1.6			
			J	0.1	-0.0	3.0	0.0	-2.8	0.0	J	2.1	0.6	0.8	0.0	-0.6	1.6					
			SLErar~1	I	0.1	-0.0	-2.1	0.0	-1.9	-0.0	SLV Y	I	1.8	0.2	-0.7	0.0	-0.6	0.5			
			J	0.1	-0.0	2.1	0.0	-1.9	0.0	J	1.8	0.2	0.8	0.0	-0.6	0.5					
			SLE freq	I	0.1	-0.0	-1.9	0.0	-1.7	-0.0	SLE ra~1	I	-0.0	0.0	-2.2	-0.0	-2.0	0.0			
			J	0.1	-0.0	1.9	0.0	-1.7	0.0	J	-0.0	0.0	2.2	-0.0	-2.0	-0.0					
			SLE qp	I	0.1	-0.0	-0.7	0.0	-0.6	-0.0	SLE ra~2	I	-0.0	0.0	-2.7	-0.0	-2.4	0.0			
			J	0.1	-0.0	0.8	0.0	-0.6	0.0	J	-0.0	0.0	2.7	-0.0	-2.4	-0.0					
3088	1	20	SLU 1	I	0.0	-0.0	-31.0	-0.0	18.8	-0.0	SLErar~1	I	-0.0	0.0	-2.4	-0.0	-2.2	0.0			
			J	0.0	-0.0	-51.9	-0.0	72.7	0.0	J	-0.0	0.0	2.4	-0.0	-2.2	-0.0					
			SLU 2	I	-0.0	-0.0	-30.7	-0.0	17.7	-0.0	SLE freq	I	-0.0	0.0	-1.8	-0.0	-1.6	0.0			
			J	-0.0	-0.0	-47.1	-0.0	68.3	0.0	J	-0.0	0.0	1.8	-0.0	-1.6	-0.0					
			SLU 3	I	0.0	-0.0	-26.2	-0.0	15.7	-0.0	SLE qp	I	0.0	0.0	-0.8	-0.0	-0.6	0.0			
			J	0.0	-0.0	-42.1	-0.0	60.1	0.0	J	0.0	0.0	0.8	-0.0	-0.6	-0.0					
			SLV X	I	2.7	9.3	-12.5	0.0	9.3	3.1	3090	1	8	SLU 1	I	0.0	-0.0	-2.0	0.0	-1.8	-0.0
			J	2.7	9.3	-22.7	0.0	34.3	9.0	J	0.0	-0.0	2.0	0.0	-1.8	0.0					
			SLV Y	I	9.0	3.1	-10.6	0.0	10.5	1.0	SLU 2	I	0.0	-0.0	-2.7	0.0	-2.4	-0.0			
			J	9.0	3.1	-20.9	0.0	38.0	3.0	J	0.0	-0.0	2.7	0.0	-2.4	0.0					
			SLE ra~1	I	0.0	-0.0	-21.0	-0.0	12.8	-0.0	SLU 3	I	0.0	-0.0	-2.0	0.0	-1.8	-0.0			
			J	0.0	-0.0	-35.0	-0.0	49.2	0.0	J	0.0	-0.0	2.0	0.0	-1.8	0.0					
			SLE ra~2	I	-0.0	-0.0	-20.8	-0.0	12.1	-0.0	SLV X	I	2.1	0.6	-0.7	0.0	-0.6	1.6			
			J	-0.0	-0.0	-31.8	-0.0	46.3	0.0	J	2.1	0.6	0.8	0.0	-0.6	1.6					



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	103 di 212

			SLV Y	I	1.8	0.2	-0.7	0.0	-0.6	0.5				SLU 2	I	-0.0	0.0	-5.5	-0.0	0.0	-0.0		
			J		1.8	0.2	0.8	0.0	-0.6	0.5				J		-0.0	0.0	-21.9	-0.0	17.8	-0.0		
			SLE ra~1	I	0.0	-0.0	-1.4	0.0	-1.3	-0.0				SLU 3	I	0.0	0.0	-4.1	0.0	0.0	-0.0		
			J		0.0	-0.0	1.4	0.0	-1.3	0.0				J		0.0	0.0	-20.1	0.0	15.7	-0.0		
			SLE ra~2	I	0.0	-0.0	-1.9	0.0	-1.7	-0.0				SLV X	I	1.0	3.5	-0.9	0.0	0.0	3.2		
			J		0.0	-0.0	1.9	0.0	-1.7	0.0				J		1.0	3.5	-11.2	0.0	9.4	1.4		
			SLErar~1	I	0.0	-0.0	-1.4	0.0	-1.3	-0.0				SLV Y	I	3.2	1.2	-0.0	0.0	0.0	1.1		
			J		0.0	-0.0	1.4	0.0	-1.3	0.0				J		3.2	1.2	-10.3	0.0	10.6	0.5		
			SLE freq	I	0.0	-0.0	-1.3	0.0	-1.2	-0.0				SLE ra~1	I	-0.0	0.0	-2.9	0.0	0.0	-0.0		
			J		0.0	-0.0	1.3	0.0	-1.2	0.0				J		-0.0	0.0	-16.9	0.0	12.8	-0.0		
			SLE qp	I	0.0	-0.0	-0.8	0.0	-0.6	-0.0				SLE ra~2	I	-0.0	0.0	-3.8	-0.0	0.0	-0.0		
			J		0.0	-0.0	0.8	0.0	-0.6	0.0				J		-0.0	0.0	-14.8	-0.0	12.1	-0.0		
3091	1	20	SLU 1	I	-0.0	0.0	60.6	-0.0	87.1	0.0				SLErar~1	I	0.0	0.0	-2.9	-0.0	0.0	-0.0		
			J		-0.0	0.0	39.0	-0.0	22.4	-0.0				J		0.0	0.0	-13.6	-0.0	10.7	-0.0		
			SLU 2	I	-0.0	0.0	55.7	-0.0	82.6	0.0				SLE freq	I	-0.0	0.0	-2.7	-0.0	0.0	-0.0		
			J		-0.0	0.0	38.7	-0.0	21.3	-0.0				J		-0.0	0.0	-13.3	-0.0	10.4	-0.0		
			SLU 3	I	-0.0	0.0	52.9	-0.0	77.9	0.0				SLE qp	I	-0.0	0.0	-1.5	-0.0	0.0	-0.0		
			J		-0.0	0.0	36.0	-0.0	20.1	-0.0				J		-0.0	0.0	-11.8	-0.0	8.7	-0.0		
			SLV X	I	2.7	9.3	24.5	0.0	34.5	9.0			3093	1	34	SLU 1	I	1.4	0.0	-7.3	0.0	-6.5	0.0
			J		2.7	9.3	14.2	0.0	9.4	3.1				J		1.4	0.0	7.6	0.0	-7.3	0.0		
			SLV Y	I	9.0	3.1	26.4	0.0	38.3	3.0				SLU 2	I	1.6	0.0	-8.7	0.0	-7.8	0.0		
			J		9.0	3.1	16.1	0.0	10.6	1.0				J		1.6	0.0	9.1	0.0	-8.6	0.0		
			SLE ra~1	I	-0.0	0.0	40.8	-0.0	58.8	0.0				SLU 3	I	1.4	0.0	-7.9	0.0	-7.0	0.0		
			J		-0.0	0.0	26.4	-0.0	15.2	-0.0				J		1.4	0.0	8.2	0.0	-7.8	0.0		
			SLE ra~2	I	-0.0	0.0	37.6	-0.0	55.8	0.0				SLV X	I	6.9	1.4	11.8	0.0	32.7	3.6		
			J		-0.0	0.0	26.1	-0.0	14.4	-0.0				J		6.9	1.4	16.1	0.0	32.9	3.6		
			SLErar~1	I	-0.0	0.0	35.7	-0.0	52.7	0.0				SLV Y	I	2.8	0.6	2.1	0.0	8.6	1.7		
			J		-0.0	0.0	24.4	-0.0	13.6	-0.0				J		2.8	0.6	6.5	0.0	8.6	1.7		
			SLE freq	I	-0.0	0.0	31.3	-0.0	45.4	0.0				SLE ra~1	I	1.0	0.0	-5.1	0.0	-4.5	0.0		
			J		-0.0	0.0	20.4	-0.0	11.8	-0.0				J		1.0	0.0	5.3	0.0	-5.0	0.0		
			SLE qp	I	-0.0	0.0	23.7	-0.0	32.7	0.0				SLE ra~2	I	1.1	0.0	-6.0	0.0	-5.4	0.0		
			J		-0.0	0.0	13.4	-0.0	8.7	-0.0				J		1.1	0.0	6.3	0.0	-5.9	0.0		
3092	1	20	SLU 1	I	0.0	0.0	-4.1	0.0	0.0	-0.0				SLErar~1	I	1.0	0.0	-5.5	0.0	-4.9	0.0		
			J		0.0	0.0	-25.0	0.0	18.9	-0.0				J		1.0	0.0	5.7	0.0	-5.4	0.0		



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE freq	I	0.8	0.0	-4.3	0.0	-3.7	0.0				SLE ra~1	I	-80.7	-0.0	8.4	0.0	15.4	-0.1	
				J	0.8	0.0	4.5	0.0	-4.2	0.0					J	-72.5	-0.0	8.4	0.0	-36.8	0.2	
			SLE qp	I	0.5	0.0	-2.1	0.0	-1.8	0.0				SLE ra~2	I	-77.3	-0.1	8.0	0.0	14.6	-0.1	
				J	0.5	0.0	2.2	0.0	-2.0	-0.0					J	-69.1	-0.1	8.0	0.0	-35.1	0.2	
3094	1	34	SLU 1	I	1.1	0.0	-5.0	-0.0	-4.3	0.0				SLErar~1	I	-73.9	-0.0	7.3	0.0	12.9	-0.1	
				J	1.1	0.0	5.2	-0.0	-4.9	0.0					J	-65.7	-0.0	7.3	0.0	-32.5	0.2	
			SLU 2	I	1.2	-0.0	-6.4	-0.0	-5.6	0.0				SLE freq	I	-64.3	-0.0	6.6	0.0	12.3	-0.1	
				J	1.2	-0.0	6.6	-0.0	-6.2	0.0					J	-56.2	-0.0	6.6	0.0	-28.8	0.2	
			SLU 3	I	1.0	0.0	-5.0	-0.0	-4.3	0.0				SLE qp	I	-48.3	-0.0	5.1	-0.0	10.1	-0.0	
				J	1.0	0.0	5.2	-0.0	-4.8	0.0					J	-40.1	-0.0	5.1	-0.0	-21.4	0.1	
			SLV X	I	6.9	1.4	11.8	0.0	32.7	3.6		3096	1	2	SLU 1	I	-97.3	-0.1	-12.4	0.0	-26.7	-0.1
				J	6.9	1.4	16.1	0.0	32.9	3.6					J	-86.2	-0.1	-12.4	0.0	50.4	0.2	
			SLV Y	I	2.8	0.6	2.1	0.0	8.6	1.7					SLU 2	I	-92.1	-0.1	-11.8	0.0	-25.5	-0.1
				J	2.8	0.6	6.5	0.0	8.6	1.7					J	-81.1	-0.1	-11.8	0.0	47.7	0.3	
			SLE ra~1	I	0.7	0.0	-3.5	-0.0	-3.0	0.0					SLU 3	I	-81.7	-0.0	-10.8	0.0	-23.9	-0.1
				J	0.7	0.0	3.7	-0.0	-3.4	0.0					J	-70.7	-0.0	-10.8	0.0	42.9	0.2	
			SLE ra~2	I	0.8	-0.0	-4.5	-0.0	-3.9	0.0					SLV X	I	-34.9	23.0	1.3	0.0	15.8	74.3
				J	0.8	-0.0	4.6	-0.0	-4.4	0.0					J	-26.7	23.0	1.3	0.0	35.3	68.4	
			SLErar~1	I	0.7	0.0	-3.5	-0.0	-3.0	0.0					SLV Y	I	-7.7	6.9	16.2	0.0	75.7	22.3
				J	0.7	0.0	3.7	-0.0	-3.4	0.0					J	0.5	6.9	16.2	0.0	67.2	20.7	
			SLE freq	I	0.7	-0.0	-3.3	-0.0	-2.8	0.0					SLE ra~1	I	-66.7	-0.0	-8.4	0.0	-18.0	-0.1
				J	0.7	-0.0	3.4	-0.0	-3.2	0.0					J	-58.5	-0.0	-8.4	0.0	34.1	0.2	
			SLE qp	I	0.5	-0.0	-2.1	-0.0	-1.8	-0.0					SLE ra~2	I	-63.2	-0.0	-8.0	0.0	-17.2	-0.1
				J	0.5	-0.0	2.2	-0.0	-2.0	0.0					J	-55.1	-0.0	-8.0	0.0	32.3	0.2	
3095	1	2	SLU 1	I	-118.3	-0.1	12.4	0.0	22.7	-0.1				SLErar~1	I	-56.3	-0.0	-7.3	0.0	-16.2	-0.1	
				J	-107.3	-0.1	12.4	0.0	-54.4	0.3					J	-48.1	-0.0	-7.3	0.0	29.1	0.2	
			SLU 2	I	-113.2	-0.1	11.8	0.0	21.5	-0.1					SLE freq	I	-55.6	-0.0	-6.6	0.0	-14.0	-0.1
				J	-102.2	-0.1	11.8	0.0	-51.8	0.3					J	-47.4	-0.0	-6.6	0.0	27.1	0.1	
			SLU 3	I	-108.1	-0.1	10.8	0.0	18.9	-0.1					SLE qp	I	-48.3	-0.0	-5.1	0.0	-10.1	-0.0
				J	-97.0	-0.1	10.8	0.0	-48.0	0.3					J	-40.1	-0.0	-5.1	0.0	21.4	0.1	
			SLV X	I	-34.9	23.0	11.5	0.0	35.9	74.3		3097	1	20	SLU 1	I	12.4	-0.0	-23.3	-0.0	-22.7	-0.0
				J	-26.8	23.0	11.5	0.0	-7.4	68.4					J	12.4	-0.0	-1.1	-0.0	-5.9	0.0	
			SLV Y	I	-7.7	6.9	26.3	0.0	95.9	22.3					SLU 2	I	11.8	-0.0	-20.0	-0.0	-20.9	-0.0
				J	0.5	6.9	26.3	0.0	24.5	20.7					J	11.8	-0.0	-2.6	-0.0	-5.3	0.0	



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TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	105 di 212

SLU 3	I	10.8	-0.0	-17.6	-0.0	-17.5	-0.0		SLE qp	I	0.1	0.0	-0.8	0.0	-0.7	0.0
J		10.8	-0.0	-0.6	-0.0	-5.0	0.0		J		0.1	0.0	0.7	0.0	-0.6	-0.0
SLV X	I	6.0	2.8	-0.4	0.0	4.1	2.1	3099 1 20	SLU 1	I	12.4	0.0	7.9	0.0	-5.9	0.0
J		6.0	2.8	10.5	0.0	-2.5	1.8		J		12.4	0.0	30.9	0.0	-32.7	-0.0
SLV Y	I	8.1	1.1	25.5	0.0	39.9	1.0		SLU 2	I	11.8	0.0	9.4	0.0	-5.3	0.0
J		8.1	1.1	36.4	0.0	-2.7	0.6		J		11.8	0.0	27.6	0.0	-30.8	-0.0
SLE ra~1	I	8.4	-0.0	-15.7	-0.0	-15.4	-0.0		SLU 3	I	10.8	0.0	9.1	0.0	-5.0	0.0
J		8.4	-0.0	-0.8	-0.0	-4.0	0.0		J		10.8	0.0	27.1	0.0	-29.9	-0.0
SLE ra~2	I	8.0	-0.0	-13.5	-0.0	-14.1	-0.0		SLV X	I	6.0	2.8	12.2	0.0	-2.5	1.8
J		8.0	-0.0	-1.8	-0.0	-3.6	0.0		J		6.0	2.8	23.1	0.0	4.1	2.1
SLErar~1	I	7.3	-0.0	-11.9	-0.0	-11.9	-0.0		SLV Y	I	8.1	1.2	38.0	0.0	-2.7	0.6
J		7.3	-0.0	-0.5	-0.0	-3.4	0.0		J		8.1	1.2	48.9	0.0	39.9	1.0
SLE freq	I	6.6	-0.0	-12.4	-0.0	-12.5	-0.0		SLE ra~1	I	8.4	0.0	5.4	0.0	-4.0	0.0
J		6.6	-0.0	-1.1	-0.0	-3.2	0.0		J		8.4	0.0	20.7	0.0	-22.0	-0.0
SLE qp	I	5.1	-0.0	-11.7	-0.0	-11.4	-0.0		SLE ra~2	I	8.0	0.0	6.3	0.0	-3.6	0.0
J		5.1	-0.0	-0.8	-0.0	-2.7	0.0		J		8.0	0.0	18.6	0.0	-20.8	-0.0
3098 1 8	SLU 1	I	0.2	-0.0	-4.5	0.0	-4.2	-0.0	SLErar~1	I	7.3	0.0	6.1	0.0	-3.4	0.0
J		0.2	-0.0	4.4	0.0	-4.0	0.0		J		7.3	0.0	18.2	0.0	-20.2	-0.0
SLU 2	I	0.2	-0.0	-5.9	0.0	-5.5	-0.0		SLE freq	I	6.6	0.0	4.0	0.0	-3.2	0.0
J		0.2	-0.0	5.8	0.0	-5.3	0.0		J		6.6	0.0	15.6	0.0	-16.7	-0.0
SLU 3	I	0.2	-0.0	-4.8	0.0	-4.5	-0.0		SLE qp	I	5.1	0.0	0.8	0.0	-2.7	0.0
J		0.2	-0.0	4.7	0.0	-4.3	0.0		J		5.1	0.0	11.7	0.0	-11.4	-0.0
SLV X	I	1.1	0.0	-0.7	0.0	-0.4	0.0	3100 1 8	SLU 1	I	0.2	0.0	-5.5	0.0	-5.1	0.0
J		1.1	0.0	0.8	0.0	-0.5	0.0		J		0.2	0.0	5.4	0.0	-4.9	-0.0
SLV Y	I	0.4	0.0	-0.7	0.0	-0.6	0.1		SLU 2	I	0.2	0.0	-6.8	0.0	-6.4	0.0
J		0.4	0.0	0.8	0.0	-0.6	0.1		J		0.2	0.0	6.8	0.0	-6.2	-0.0
SLE ra~1	I	0.2	-0.0	-3.0	0.0	-2.9	-0.0		SLU 3	I	0.2	0.0	-6.0	0.0	-5.6	0.0
J		0.2	-0.0	3.0	0.0	-2.7	0.0		J		0.2	0.0	6.0	0.0	-5.4	-0.0
SLE ra~2	I	0.2	-0.0	-4.0	0.0	-3.8	-0.0		SLV X	I	2.1	0.9	-0.7	0.0	-0.6	2.2
J		0.2	-0.0	3.9	0.0	-3.6	0.0		J		2.1	0.9	0.8	0.0	-0.6	2.2
SLErar~1	I	0.2	-0.0	-3.3	0.0	-3.0	-0.0		SLV Y	I	1.9	0.3	-0.7	0.0	-0.6	0.7
J		0.2	-0.0	3.2	0.0	-2.9	0.0		J		1.9	0.3	0.8	0.0	-0.6	0.7
SLE freq	I	0.1	-0.0	-2.5	0.0	-2.3	-0.0		SLE ra~1	I	0.1	0.0	-3.7	0.0	-3.5	0.0
J		0.1	-0.0	2.4	0.0	-2.2	0.0		J		0.1	0.0	3.7	0.0	-3.3	-0.0



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NUOVO COLLEGAMENTO PALERMO-CATANIA
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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	106 di 212

SLE ra-2	I	0.1	0.0	-4.6	0.0	-4.3	0.0	SLV X	I	2.1	0.9	-0.7	0.0	-0.6	2.2
	J	0.1	0.0	4.6	0.0	-4.2	-0.0		J	2.1	0.9	0.8	0.0	-0.6	2.2
SLE rar-1	I	0.1	0.0	-4.1	0.0	-3.8	0.0	SLV Y	I	1.9	0.3	-0.7	0.0	-0.6	0.7
	J	0.1	0.0	4.1	0.0	-3.7	-0.0		J	1.9	0.3	0.8	0.0	-0.6	0.7
SLE freq	I	0.1	0.0	-2.9	0.0	-2.7	0.0	SLE ra-1	I	0.1	-0.0	-2.1	-0.0	-2.0	-0.0
	J	0.1	0.0	2.9	0.0	-2.6	-0.0		J	0.1	-0.0	2.1	-0.0	-1.9	0.0
SLE qp	I	0.1	0.0	-0.8	0.0	-0.7	0.0	SLE ra-2	I	0.1	-0.0	-3.1	-0.0	-2.8	-0.0
	J	0.1	0.0	0.7	0.0	-0.6	-0.0		J	0.1	-0.0	3.0	-0.0	-2.7	0.0
3101 1 20 SLU 1	I	-0.0	0.0	28.0	0.0	22.4	-0.0	SLE rar-1	I	0.1	-0.0	-2.1	-0.0	-2.0	-0.0
	J	-0.0	0.0	6.5	0.0	0.0	-0.0		J	0.1	-0.0	2.1	-0.0	-1.9	0.0
SLU 2	I	-0.0	0.0	24.9	0.0	21.3	-0.0	SLE freq	I	0.1	-0.0	-1.9	-0.0	-1.8	-0.0
	J	-0.0	0.0	7.8	0.0	0.0	-0.0		J	0.1	-0.0	1.9	-0.0	-1.7	0.0
SLU 3	I	-0.0	0.0	23.9	0.0	20.1	-0.0	SLE qp	I	0.1	-0.0	-0.8	-0.0	-0.7	-0.0
	J	-0.0	0.0	7.0	0.0	0.0	-0.0		J	0.1	-0.0	0.7	-0.0	-0.6	0.0
SLV X	I	1.0	3.5	12.4	0.0	9.4	1.4	3103 1 20 SLU 1	I	-0.0	-0.0	-31.3	0.0	18.9	-0.0
	J	1.0	3.5	2.1	0.0	0.0	3.2		J	-0.0	-0.0	-52.1	0.0	73.1	0.0
SLV Y	I	3.2	1.2	13.3	0.0	10.6	0.5	SLU 2	I	-0.0	-0.0	-30.9	0.0	17.8	-0.0
	J	3.2	1.2	3.0	0.0	0.0	1.1		J	-0.0	-0.0	-47.3	0.0	68.6	0.0
SLE ra-1	I	-0.0	0.0	18.9	0.0	15.2	-0.0	SLU 3	I	-0.0	-0.0	-26.4	0.0	15.7	-0.0
	J	-0.0	0.0	4.5	0.0	0.0	-0.0		J	-0.0	-0.0	-42.3	0.0	60.4	0.0
SLE ra-2	I	-0.0	0.0	16.8	0.0	14.4	-0.0	SLV X	I	2.7	9.3	-12.5	0.0	9.4	3.1
	J	-0.0	0.0	5.4	0.0	0.0	-0.0		J	2.7	9.3	-22.8	0.0	34.5	9.0
SLE rar-1	I	-0.0	0.0	16.1	0.0	13.6	-0.0	SLV Y	I	8.9	3.1	-10.6	0.0	10.6	1.0
	J	-0.0	0.0	4.8	0.0	0.0	-0.0		J	8.9	3.1	-20.9	0.0	38.2	3.0
SLE freq	I	-0.0	0.0	14.6	0.0	11.8	-0.0	SLE ra-1	I	-0.0	-0.0	-21.2	0.0	12.8	-0.0
	J	-0.0	0.0	3.6	0.0	0.0	-0.0		J	-0.0	-0.0	-35.1	0.0	49.5	0.0
SLE qp	I	-0.0	-0.0	11.8	0.0	8.7	-0.0	SLE ra-2	I	-0.0	-0.0	-21.0	0.0	12.1	-0.0
	J	-0.0	-0.0	1.5	0.0	0.0	-0.0		J	-0.0	-0.0	-31.9	0.0	46.5	0.0
3102 1 8 SLU 1	I	0.1	-0.0	-3.1	-0.0	-2.9	-0.0	SLE rar-1	I	-0.0	-0.0	-17.9	0.0	10.7	-0.0
	J	0.1	-0.0	3.0	-0.0	-2.7	0.0		J	-0.0	-0.0	-28.6	0.0	41.0	0.0
SLU 2	I	0.2	-0.0	-4.5	-0.0	-4.2	-0.0	SLE freq	I	-0.0	-0.0	-17.2	0.0	10.4	-0.0
	J	0.2	-0.0	4.4	-0.0	-4.0	0.0		J	-0.0	-0.0	-27.8	0.0	39.6	0.0
SLU 3	I	0.1	-0.0	-3.1	-0.0	-2.9	-0.0	SLE qp	I	-0.0	-0.0	-13.4	0.0	8.7	-0.0
	J	0.1	-0.0	3.1	-0.0	-2.7	0.0		J	-0.0	-0.0	-23.7	0.0	32.7	0.0



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	107 di 212

3104	1	8	SLU 1	I	-0.0	0.0	-3.2	0.0	-3.0	0.0
			J	-0.0	0.0	3.2	0.0	-2.9	-0.0	
			SLU 2	I	-0.0	0.0	-3.9	0.0	-3.6	0.0
			J	-0.0	0.0	3.9	0.0	-3.5	-0.0	
			SLU 3	I	-0.0	0.0	-3.5	0.0	-3.2	0.0
			J	-0.0	0.0	3.5	0.0	-3.2	-0.0	
			SLV X	I	2.8	0.6	-0.7	0.0	-0.5	1.6
			J	2.8	0.6	0.8	0.0	-0.6	1.6	
			SLV Y	I	1.9	0.2	-0.7	0.0	-0.5	0.5
			J	1.9	0.2	0.8	0.0	-0.6	0.5	
			SLE ra~1	I	-0.0	0.0	-2.2	0.0	-2.0	0.0
			J	-0.0	0.0	2.2	0.0	-2.0	-0.0	
			SLE ra~2	I	-0.0	0.0	-2.7	0.0	-2.4	0.0
			J	-0.0	0.0	2.7	0.0	-2.4	-0.0	
			SLErar~1	I	-0.0	0.0	-2.4	0.0	-2.2	0.0
			J	-0.0	0.0	2.4	0.0	-2.2	-0.0	
			SLE freq	I	-0.0	0.0	-1.8	0.0	-1.6	0.0
			J	-0.0	0.0	1.8	0.0	-1.6	-0.0	
			SLE qp	I	0.0	0.0	-0.8	0.0	-0.7	0.0
			J	0.0	0.0	0.7	0.0	-0.6	-0.0	
3105	1	8	SLU 1	I	0.0	-0.0	-2.1	-0.0	-1.9	-0.0
			J	0.0	-0.0	2.0	-0.0	-1.8	0.0	
			SLU 2	I	0.0	-0.0	-2.7	-0.0	-2.5	-0.0
			J	0.0	-0.0	2.7	-0.0	-2.4	0.0	
			SLU 3	I	0.0	-0.0	-2.1	-0.0	-1.9	-0.0
			J	0.0	-0.0	2.0	-0.0	-1.8	0.0	
			SLV X	I	2.8	0.6	-0.7	0.0	-0.5	1.6
			J	2.8	0.6	0.8	0.0	-0.6	1.6	
			SLV Y	I	1.9	0.2	-0.7	0.0	-0.5	0.5
			J	1.9	0.2	0.8	0.0	-0.6	0.5	
			SLE ra~1	I	0.0	-0.0	-1.5	-0.0	-1.3	-0.0
			J	0.0	-0.0	1.4	-0.0	-1.3	0.0	
			SLE ra~2	I	0.0	-0.0	-1.9	-0.0	-1.7	-0.0
			J	0.0	-0.0	1.9	-0.0	-1.7	0.0	

SLErar~1	I	0.0	-0.0	-1.4	-0.0	-1.3	-0.0			
J	0.0	-0.0	1.4	-0.0	-1.3	0.0				
SLE freq	I	0.0	-0.0	-1.3	-0.0	-1.2	-0.0			
J	0.0	-0.0	1.3	-0.0	-1.2	0.0				
SLE qp	I	0.0	-0.0	-0.8	-0.0	-0.7	-0.0			
J	0.0	-0.0	0.7	-0.0	-0.6	0.0				
3106	1	20	SLU 1	I	-0.0	0.0	57.6	0.0	80.0	0.0
J	-0.0	0.0	36.0	0.0	19.2	-0.0				
SLU 2	I	-0.0	0.1	53.1	0.0	76.3	0.0			
J	-0.0	0.1	36.0	0.0	18.4	-0.0				
SLU 3	I	-0.0	0.0	50.5	0.0	72.2	0.0			
J	-0.0	0.0	33.7	0.0	17.5	-0.0				
SLV X	I	6.1	10.0	26.5	0.0	36.7	9.3			
J	6.1	10.0	16.2	0.0	8.9	3.6				
SLV Y	I	10.8	3.9	25.3	0.0	34.7	3.7			
J	10.8	3.9	15.0	0.0	8.4	1.4				
SLE ra~1	I	-0.0	0.0	38.8	0.0	54.1	0.0			
J	-0.0	0.0	24.4	0.0	13.0	-0.0				
SLE ra~2	I	-0.0	0.0	35.8	0.0	51.7	0.0			
J	-0.0	0.0	24.4	0.0	12.5	-0.0				
SLErar~1	I	-0.0	0.0	34.1	0.0	48.9	0.0			
J	-0.0	0.0	22.8	0.0	11.9	-0.0				
SLE freq	I	-0.0	0.0	29.9	0.0	42.0	0.0			
J	-0.0	0.0	19.0	0.0	10.2	-0.0				
SLE qp	I	-0.0	0.0	22.7	0.0	30.1	0.0			
J	-0.0	0.0	12.4	0.0	7.3	-0.0				
3107	1	20	SLU 1	I	-0.0	-0.0	-1.5	-0.0	-0.0	-0.0
J	-0.0	-0.0	-22.4	-0.0	15.5	-0.0				
SLU 2	I	-0.0	-0.0	-3.2	-0.0	-0.0	-0.0			
J	-0.0	-0.0	-19.6	-0.0	14.8	-0.0				
SLU 3	I	-0.0	-0.0	-2.0	-0.0	-0.0	-0.0			
J	-0.0	-0.0	-17.9	-0.0	12.9	-0.0				
SLV X	I	2.4	5.1	0.7	-0.0	0.0	4.2			
J	2.4	5.1	-9.6	-0.0	8.9	2.4				



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			SLV Y	I	3.9	2.0	0.3	-0.0	-0.0	1.6					SLU 2	I	1.2	0.0	-7.1	-0.0	-6.5	0.0		
			J		3.9	2.0	-9.9	-0.0	8.4	0.9					J		1.2	0.0	5.8	-0.0	-3.2	-0.0		
			SLE ra~1	I	-0.0	-0.0	-1.2	-0.0	-0.0	-0.0					SLU 3	I	1.0	0.0	-5.6	-0.0	-5.1	0.0		
			J		-0.0	-0.0	-15.1	-0.0	10.6	-0.0					J		1.0	0.0	4.5	-0.0	-2.4	-0.0		
			SLE ra~2	I	-0.0	-0.0	-2.3	-0.0	-0.0	-0.0					SLV X	I	9.0	1.5	10.5	0.0	31.2	3.8		
			J		-0.0	-0.0	-13.3	-0.0	10.1	-0.0					J		9.0	1.5	14.8	0.0	30.4	3.8		
			SLErar~1	I	-0.0	-0.0	-1.5	-0.0	-0.0	-0.0					SLV Y	I	3.5	0.7	1.6	0.0	8.1	2.0		
			J		-0.0	-0.0	-12.2	-0.0	8.9	-0.0					J		3.5	0.7	6.0	0.0	9.3	1.8		
			SLE freq	I	-0.0	-0.0	-1.4	-0.0	-0.0	-0.0					SLE ra~1	I	0.7	0.0	-4.0	-0.0	-3.6	0.0		
			J		-0.0	-0.0	-12.0	-0.0	8.7	-0.0					J		0.7	0.0	3.2	-0.0	-1.6	-0.0		
			SLE qp	I	-0.0	-0.0	-0.5	-0.0	-0.0	-0.0					SLE ra~2	I	0.8	0.0	-5.0	-0.0	-4.5	0.0		
			J		-0.0	-0.0	-10.8	-0.0	7.3	-0.0					J		0.8	0.0	4.1	-0.0	-2.3	-0.0		
3108	1	34	SLU 1	I	1.4	0.0	-8.2	0.0	-7.6	0.0					SLERar~1	I	0.7	0.0	-4.0	-0.0	-3.6	0.0		
			J		1.4	0.0	6.7	0.0	-3.7	-0.0					J		0.7	0.0	3.2	-0.0	-1.7	-0.0		
			SLU 2	I	1.5	0.0	-9.7	0.0	-9.0	0.0					SLE freq	I	0.7	0.0	-3.7	-0.0	-3.3	0.0		
			J		1.5	0.0	8.0	0.0	-4.8	-0.0					J		0.7	0.0	3.0	-0.0	-1.5	-0.0		
			SLU 3	I	1.4	0.0	-8.9	0.0	-8.1	0.0					SLE qp	I	0.5	-0.0	-2.5	-0.0	-2.1	-0.0		
			J		1.4	0.0	7.3	0.0	-4.3	-0.1					J		0.5	-0.0	1.9	-0.0	-0.8	0.0		
			SLV X	I	9.0	1.5	10.5	0.0	31.2	3.8				3110	1	2	SLU 1	I	-126.1	-2.1	11.0	0.0	19.9	-4.2
			J		9.0	1.5	14.8	0.0	30.4	3.8					J		-115.1	-2.1	11.0	0.0	-48.6	8.6		
			SLV Y	I	3.5	0.7	1.6	0.0	8.1	2.0					SLU 2	I	-122.1	-2.3	10.6	0.0	18.9	-4.7		
			J		3.5	0.7	6.0	0.0	9.3	1.8					J		-111.1	-2.3	10.6	0.0	-46.6	9.5		
			SLE ra~1	I	1.0	0.0	-5.7	0.0	-5.2	0.0					SLU 3	I	-116.5	-2.1	9.6	-0.0	16.6	-4.3		
			J		1.0	0.0	4.7	0.0	-2.6	-0.0					J		-105.5	-2.1	9.6	-0.0	-43.2	8.7		
			SLE ra~2	I	1.1	0.0	-6.7	0.0	-6.2	0.0					SLV X	I	-17.0	20.2	12.7	0.0	39.8	68.6		
			J		1.1	0.0	5.6	0.0	-3.3	-0.0					J		-8.9	20.2	12.7	0.0	0.5	62.4		
			SLErar~1	I	1.0	0.0	-6.1	0.0	-5.6	0.0					SLV Y	I	0.6	6.1	29.1	0.0	106.6	20.6		
			J		1.0	0.0	5.1	0.0	-2.9	-0.0					J		8.8	6.1	29.1	0.0	35.2	22.9		
			SLE freq	I	0.8	0.0	-4.8	0.0	-4.4	0.0					SLE ra~1	I	-86.2	-1.4	7.5	0.0	13.5	-2.9		
			J		0.8	0.0	3.9	0.0	-2.2	-0.0					J		-78.1	-1.4	7.5	0.0	-32.9	5.9		
			SLE qp	I	0.5	0.0	-2.5	0.0	-2.1	0.0					SLE ra~2	I	-83.5	-1.6	7.2	0.0	12.9	-3.2		
			J		0.5	0.0	1.9	0.0	-0.8	-0.0					J		-75.4	-1.6	7.2	0.0	-31.6	6.5		
3109	1	34	SLU 1	I	1.0	0.0	-5.7	-0.0	-5.1	0.0					SLERar~1	I	-79.8	-1.5	6.6	-0.0	11.3	-3.0		
			J		1.0	0.0	4.5	-0.0	-2.2	-0.0					J		-71.6	-1.5	6.6	-0.0	-29.3	6.0		



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			SLE freq	I	-69.2	-1.2	5.9	0.0	10.9	-2.4				SLE ra~1	I	7.4	-0.0	-15.9	-0.0	-14.5	-0.0	
				J	-61.0	-1.2	5.9	0.0	-25.9	4.9					J	7.4	-0.0	-1.1	-0.0	-2.7	0.0	
			SLE qp	I	-51.3	-0.7	4.5	0.0	9.0	-1.5				SLE ra~2	I	7.1	-0.0	-13.7	-0.0	-13.3	-0.0	
				J	-43.1	-0.7	4.5	0.0	-19.1	3.0					J	7.1	-0.0	-2.0	-0.0	-2.4	0.0	
3111	1	2	SLU 1	I	-102.3	-1.6	-11.0	-0.0	-23.9	-3.2				SLErar~1	I	6.5	-0.0	-12.1	-0.0	-11.1	-0.0	
				J	-91.3	-1.6	-11.0	-0.0	44.3	6.4					J	6.5	-0.0	-0.7	-0.0	-2.3	0.0	
			SLU 2	I	-98.3	-1.8	-10.5	-0.0	-23.0	-3.6				SLE freq	I	5.9	-0.0	-12.7	-0.0	-11.9	-0.0	
				J	-87.3	-1.8	-10.5	-0.0	42.3	7.3					J	5.9	-0.0	-1.4	-0.0	-2.2	0.0	
			SLU 3	I	-86.8	-1.5	-9.6	-0.0	-21.6	-3.0				SLE qp	I	4.5	-0.0	-12.1	-0.0	-11.0	-0.0	
				J	-75.8	-1.5	-9.6	-0.0	37.9	6.1					J	4.5	-0.0	-1.1	-0.0	-1.9	0.0	
			SLV X	I	-17.0	20.2	3.6	0.0	21.8	68.6		3113	1	8	SLU 1	I	0.1	-0.0	-5.2	0.0	-7.2	-0.0
				J	-8.9	20.2	3.6	0.0	38.7	62.4					J	0.1	-0.0	3.6	0.0	-3.3	0.0	
			SLV Y	I	0.6	6.1	20.0	0.0	88.6	20.6				SLU 2	I	0.1	-0.0	-6.7	0.0	-8.8	-0.0	
				J	8.8	6.1	20.0	0.0	73.5	22.9					J	0.1	-0.0	5.0	0.0	-4.6	0.0	
			SLE ra~1	I	-70.4	-1.1	-7.5	-0.0	-16.2	-2.2				SLU 3	I	0.1	-0.0	-5.5	0.0	-7.4	-0.0	
				J	-62.2	-1.1	-7.5	-0.0	30.1	4.5					J	0.1	-0.0	4.0	0.0	-3.6	0.0	
			SLE ra~2	I	-67.7	-1.2	-7.1	-0.0	-15.6	-2.5				SLV X	I	2.7	0.0	0.2	0.0	3.0	0.1	
				J	-59.5	-1.2	-7.1	-0.0	28.7	5.1					J	2.7	0.0	1.7	0.0	1.0	0.1	
			SLErar~1	I	-60.0	-1.0	-6.5	-0.0	-14.7	-2.1				SLV Y	I	0.8	0.1	-0.7	0.0	-0.6	0.2	
				J	-51.8	-1.0	-6.5	-0.0	25.8	4.3					J	0.8	0.1	0.8	0.0	0.1	0.2	
			SLE freq	I	-59.3	-1.0	-5.9	-0.0	-12.6	-2.0				SLE ra~1	I	0.1	-0.0	-3.6	0.0	-5.0	-0.0	
				J	-51.1	-1.0	-5.9	-0.0	24.1	4.0					J	0.1	-0.0	2.5	0.0	-2.2	0.0	
			SLE qp	I	-51.3	-0.7	-4.5	-0.0	-9.0	-1.5				SLE ra~2	I	0.1	-0.0	-4.6	0.0	-6.0	-0.0	
				J	-43.1	-0.7	-4.5	-0.0	19.1	3.0					J	0.1	-0.0	3.4	0.0	-3.1	0.0	
3112	1	20	SLU 1	I	11.0	-0.0	-23.7	-0.0	-21.3	-0.0				SLErar~1	I	0.1	-0.0	-3.8	0.0	-5.1	-0.0	
				J	11.0	-0.0	-1.5	-0.0	-4.0	0.0					J	0.1	-0.0	2.7	0.0	-2.4	0.0	
			SLU 2	I	10.5	-0.0	-20.4	-0.0	-19.6	-0.0				SLE freq	I	0.1	-0.0	-2.9	0.0	-4.2	-0.0	
				J	10.5	-0.0	-2.9	-0.0	-3.6	0.0					J	0.1	-0.0	2.0	0.0	-1.8	0.0	
			SLU 3	I	9.6	-0.0	-17.9	-0.0	-16.3	-0.0				SLE qp	I	0.0	0.0	-1.1	0.0	-2.1	0.0	
				J	9.6	-0.0	-0.9	-0.0	-3.4	0.0					J	0.0	0.0	0.4	0.0	-0.3	-0.0	
			SLV X	I	12.4	2.4	1.7	0.0	7.9	1.8		3114	1	20	SLU 1	I	11.0	0.0	8.5	-0.0	-4.0	0.0
				J	12.4	2.4	12.6	0.0	-1.8	1.5					J	11.0	0.0	31.4	-0.0	-31.5	-0.0	
			SLV Y	I	9.9	1.6	29.1	0.0	45.7	1.4				SLU 2	I	10.5	0.1	9.9	-0.0	-3.6	0.0	
				J	9.9	1.6	40.0	0.0	-1.9	0.8					J	10.5	0.1	28.1	-0.0	-29.8	-0.0	



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SLU 3	I	9.6	0.0	9.6	-0.0	-3.4	0.0			SLE qp	I	0.0	0.0	-0.8	-0.0	-0.9	0.0				
	J	9.6	0.0	27.6	-0.0	-29.0	-0.0				J	0.0	0.0	0.7	-0.0	-0.4	-0.0				
SLV X	I	12.4	2.4	14.9	0.0	-1.8	1.5	3116	1	20	SLU 1	I	-0.0	-0.0	25.5	0.0	19.2	-0.0			
	J	12.4	2.4	25.8	0.0	7.9	1.8				J	-0.0	-0.0	4.0	0.0	-0.0	-0.0				
SLV Y	I	9.9	1.6	42.3	0.0	-1.9	0.8				SLU 2	I	-0.0	-0.0	22.7	0.0	18.5	-0.0			
	J	9.9	1.6	53.2	0.0	45.7	1.4				J	-0.0	-0.0	5.7	0.0	-0.0	-0.0				
SLE ra~1	I	7.4	0.0	5.8	-0.0	-2.7	0.0				SLU 3	I	-0.0	-0.0	21.9	0.0	17.5	-0.0			
	J	7.4	0.0	21.1	-0.0	-21.2	-0.0				J	-0.0	-0.0	5.1	0.0	-0.0	-0.0				
SLE ra~2	I	7.1	0.0	6.7	-0.0	-2.4	0.0				SLV X	I	2.4	5.1	12.0	0.0	8.9	2.4			
	J	7.1	0.0	18.9	-0.0	-20.1	-0.0				J	2.4	5.1	1.7	0.0	0.0	4.2				
SLErar~1	I	6.5	0.0	6.5	-0.0	-2.3	0.0				SLV Y	I	3.9	2.0	11.6	0.0	8.4	0.9			
	J	6.5	0.0	18.5	-0.0	-19.6	-0.0				J	3.9	2.0	1.4	0.0	-0.0	1.6				
SLE freq	I	5.9	0.0	4.3	-0.0	-2.2	0.0				SLE ra~1	I	-0.0	-0.0	17.2	0.0	13.0	-0.0			
	J	5.9	0.0	15.9	-0.0	-16.1	-0.0				J	-0.0	-0.0	2.8	0.0	-0.0	-0.0				
SLE qp	I	4.5	0.0	1.1	0.0	-1.9	0.0				SLE ra~2	I	-0.0	-0.0	15.4	0.0	12.5	-0.0			
	J	4.5	0.0	12.1	0.0	-11.0	-0.0				J	-0.0	-0.0	3.9	0.0	-0.0	-0.0				
3115	1	8	SLU 1	I	0.1	0.0	-5.7	-0.0	-5.8	0.0	SLErar~1	I	-0.0	-0.0	14.8	0.0	11.9	-0.0			
				J	0.1	0.0	5.1	-0.0	-4.4	-0.0	J	-0.0	-0.0	3.5	0.0	-0.0	-0.0				
			SLU 2	I	0.1	0.0	-7.2	-0.0	-7.5	0.0	SLE freq	I	-0.0	-0.0	13.3	0.0	10.2	-0.0			
				J	0.1	0.0	6.4	-0.0	-5.6	-0.0	J	-0.0	-0.0	2.4	0.0	-0.0	-0.0				
			SLU 3	I	0.1	0.0	-6.4	-0.0	-6.7	0.0	SLE qp	I	-0.0	0.0	10.8	0.0	7.3	-0.0			
				J	0.1	0.0	5.7	-0.0	-4.9	-0.0	J	-0.0	0.0	0.5	0.0	-0.0	-0.0				
			SLV X	I	3.6	0.9	0.0	0.0	2.8	2.2	3117	1	8	SLU 1	I	0.1	-0.0	-3.2	0.0	-2.8	-0.0
				J	3.6	0.9	1.5	0.0	0.2	2.2	J	0.1	-0.0	3.0	0.0	-2.4	0.0				
			SLV Y	I	2.2	0.3	-0.6	0.0	0.4	0.8	SLU 2	I	0.1	-0.0	-4.6	0.0	-4.5	-0.0			
				J	2.2	0.3	0.9	0.0	-0.2	0.8	J	0.1	-0.0	4.3	0.0	-3.6	0.0				
			SLE ra~1	I	0.1	0.0	-3.9	-0.0	-4.0	0.0	SLU 3	I	0.1	-0.0	-3.2	0.0	-3.0	-0.0			
				J	0.1	0.0	3.5	-0.0	-3.0	-0.0	J	0.1	-0.0	3.0	0.0	-2.4	0.0				
			SLE ra~2	I	0.1	0.0	-4.9	-0.0	-5.1	0.0	SLV X	I	3.6	0.9	0.0	0.0	2.8	2.2			
				J	0.1	0.0	4.3	-0.0	-3.8	-0.0	J	3.6	0.9	1.5	0.0	0.2	2.2				
			SLErar~1	I	0.1	0.0	-4.3	-0.0	-4.6	0.0	SLV Y	I	2.2	0.3	-0.6	0.0	0.4	0.8			
				J	0.1	0.0	3.8	-0.0	-3.3	-0.0	J	2.2	0.3	0.9	0.0	-0.2	0.8				
			SLE freq	I	0.1	0.0	-3.1	-0.0	-3.2	0.0	SLE ra~1	I	0.1	-0.0	-2.2	0.0	-2.0	-0.0			
				J	0.1	0.0	2.7	-0.0	-2.3	-0.0	J	0.1	-0.0	2.1	0.0	-1.6	0.0				

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE ra-2	I	0.1	-0.0	-3.2	0.0	-3.1	-0.0							SLV X	I	4.0	0.6	-0.0	0.0	3.2	1.5	
				J	0.1	-0.0	2.9	0.0	-2.5	0.0								J	4.0	0.6	1.5	0.0	-0.4	1.6	
			SLE rar-1	I	0.1	-0.0	-2.2	0.0	-2.1	-0.0								SLV Y	I	2.0	0.2	-0.0	0.0	3.0	0.6
				J	0.1	-0.0	2.0	0.0	-1.7	0.0								J	2.0	0.2	1.5	0.0	-0.5	0.6	
			SLE freq	I	0.1	-0.0	-2.0	0.0	-2.0	-0.0								SLE ra-1	I	-0.0	-0.0	-1.8	-0.0	0.3	-0.0
				J	0.1	-0.0	1.8	0.0	-1.4	0.0								J	-0.0	-0.0	2.7	-0.0	-2.0	0.0	
			SLE qp	I	0.0	-0.0	-0.8	0.0	-0.9	-0.0								SLE ra-2	I	-0.0	-0.0	-2.3	-0.0	-0.6	-0.0
				J	0.0	-0.0	0.7	0.0	-0.4	0.0								J	-0.0	-0.0	3.0	-0.0	-2.4	0.0	
3118	1	20	SLU 1	I	-0.0	-0.1	-28.1	-0.0	15.5	-0.0							SLE rar-1	I	-0.0	-0.0	-2.1	-0.0	-0.5	-0.0	
				J	-0.0	-0.1	-49.0	-0.0	65.6	0.0								J	-0.0	-0.0	2.7	-0.0	-2.2	0.0	
			SLU 2	I	-0.0	-0.1	-28.1	-0.0	14.8	-0.0								SLE freq	I	-0.0	0.0	-1.5	-0.0	0.1	-0.0
				J	-0.0	-0.1	-44.5	-0.0	61.9	0.1								J	-0.0	0.0	2.1	-0.0	-1.6	-0.0	
			SLU 3	I	-0.0	-0.1	-23.8	-0.0	12.9	-0.0								SLE qp	I	0.0	0.0	-0.4	-0.0	1.0	0.0
				J	-0.0	-0.1	-39.8	-0.0	54.2	0.0								J	0.0	0.0	1.1	-0.0	-0.7	-0.0	
			SLV X	I	6.1	9.9	-8.6	0.0	8.9	3.6			3120	1	8	SLU 1	I	0.0	-0.0	-1.2	0.0	2.2	-0.0		
				J	6.1	9.9	-18.9	0.0	36.7	9.3								J	0.0	-0.0	2.8	0.0	-1.8	0.0	
			SLV Y	I	10.8	3.9	-9.7	0.0	8.4	1.4								SLU 2	I	0.0	-0.0	-2.1	0.0	0.8	-0.0
				J	10.8	3.9	-20.0	0.0	34.7	3.7								J	0.0	-0.0	3.4	0.0	-2.4	0.0	
			SLE rar-1	I	-0.0	-0.0	-19.1	-0.0	10.6	-0.0								SLU 3	I	0.0	-0.0	-1.4	0.0	1.4	-0.0
				J	-0.0	-0.0	-33.1	-0.0	44.5	0.0								J	0.0	-0.0	2.7	0.0	-1.8	0.0	
			SLE ra-2	I	-0.0	-0.0	-19.1	-0.0	10.1	-0.0								SLV X	I	4.0	0.6	-0.0	0.0	3.2	1.5
				J	-0.0	-0.0	-30.1	-0.0	42.1	0.0								J	4.0	0.6	1.5	0.0	-0.4	1.6	
			SLE rar-1	I	-0.0	-0.0	-16.3	-0.0	8.9	-0.0								SLV Y	I	2.0	0.2	-0.0	0.0	3.0	0.6
				J	-0.0	-0.0	-27.0	-0.0	36.9	0.0								J	2.0	0.2	1.5	0.0	-0.5	0.6	
			SLE freq	I	-0.0	-0.0	-15.7	-0.0	8.7	-0.0								SLE ra-1	I	0.0	-0.0	-0.9	0.0	1.4	-0.0
				J	-0.0	-0.0	-26.3	-0.0	36.0	0.0								J	0.0	-0.0	2.0	0.0	-1.3	0.0	
			SLE qp	I	-0.0	-0.0	-12.4	-0.0	7.3	-0.0								SLE ra-2	I	0.0	-0.0	-1.5	0.0	0.5	-0.0
				J	-0.0	-0.0	-22.7	-0.0	30.1	0.0								J	0.0	-0.0	2.3	0.0	-1.7	0.0	
3119	1	8	SLU 1	I	-0.0	-0.0	-2.5	-0.0	0.5	-0.0								SLE rar-1	I	0.0	-0.0	-1.0	0.0	0.8	-0.0
				J	-0.0	-0.0	3.9	-0.0	-2.9	0.0								J	0.0	-0.0	1.9	0.0	-1.3	0.0	
			SLU 2	I	-0.0	-0.0	-3.4	-0.0	-0.8	-0.0								SLE freq	I	0.0	-0.0	-0.9	0.0	0.7	-0.0
				J	-0.0	-0.0	4.4	-0.0	-3.5	0.0								J	0.0	-0.0	1.7	0.0	-1.2	0.0	
			SLU 3	I	-0.0	-0.0	-3.0	-0.0	-0.7	-0.0								SLE qp	I	0.0	-0.0	-0.4	0.0	1.0	-0.0
				J	-0.0	-0.0	4.0	-0.0	-3.2	0.0								J	0.0	-0.0	1.1	0.0	-0.7	0.0	



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA**
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	112 di 212

3122	1	34	SLU 1	I	-0.1	-0.0	6.9	0.0	0.0	-0.0	SLErar~1	I	-0.0	0.0	3.4	-0.0	0.0	0.0			
			J	-0.1	-0.0	14.7	0.0	-30.2	0.1		J	-0.0	0.0	7.2	-0.0	-14.9	-0.0				
			SLU 2	I	-0.1	-0.0	7.6	0.0	0.0	-0.0	SLE freq	I	-0.0	0.0	3.2	-0.0	0.0	0.0			
			J	-0.1	-0.0	16.7	0.0	-33.9	0.1		J	-0.0	0.0	6.8	-0.0	-14.0	-0.0				
			SLU 3	I	-0.1	-0.0	7.0	-0.0	0.0	-0.0	SLE qp	I	-0.0	0.0	2.3	-0.0	0.0	0.0			
			J	-0.1	-0.0	15.3	-0.0	-31.2	0.1		J	-0.0	0.0	4.8	-0.0	-10.0	-0.0				
			SLV X	I	11.5	4.5	5.6	0.0	0.0	7.0	3125	1	8	SLU 1	I	0.1	0.0	-4.8	-0.0	-7.2	0.0
			J	11.5	4.5	8.1	0.0	-0.9	5.5		J	0.1	0.0	-0.3	-0.0	-0.0	-0.0				
			SLV Y	I	3.5	2.7	5.4	0.0	0.0	3.9	SLU 2	I	0.1	0.0	-6.1	-0.0	-8.8	0.0			
			J	3.5	2.7	7.8	0.0	-1.5	3.9	J	0.1	0.0	-0.2	-0.0	-0.0	-0.0					
			SLE ra~1	I	-0.1	-0.0	4.8	0.0	0.0	-0.0	SLU 3	I	0.1	0.0	-5.0	-0.0	-7.4	0.0			
			J	-0.1	-0.0	10.2	0.0	-20.9	0.1	J	0.1	0.0	-0.2	-0.0	-0.0	-0.0					
			SLE ra~2	I	-0.1	-0.0	5.2	0.0	0.0	-0.0	SLV X	I	4.2	0.1	0.6	0.0	3.0	0.2			
			J	-0.1	-0.0	11.5	0.0	-23.4	0.1	J	4.2	0.1	1.5	0.0	0.0	0.2					
			SLErar~1	I	-0.1	-0.0	4.8	-0.0	0.0	-0.0	SLV Y	I	1.3	0.4	-0.6	0.0	-0.6	0.5			
			J	-0.1	-0.0	10.6	-0.0	-21.6	0.1	J	1.3	0.4	0.2	0.0	0.0	0.5					
			SLE freq	I	-0.1	-0.0	3.9	0.0	0.0	-0.0	SLE ra~1	I	0.0	0.0	-3.3	-0.0	-5.0	0.0			
			J	-0.1	-0.0	8.5	0.0	-17.4	0.0	J	0.0	0.0	-0.2	-0.0	-0.0	-0.0					
			SLE qp	I	-0.0	-0.0	2.3	0.0	0.0	-0.0	SLE ra~2	I	0.0	0.0	-4.1	-0.0	-6.0	0.0			
			J	-0.0	-0.0	4.8	0.0	-10.0	0.0	J	0.0	0.0	-0.1	-0.0	-0.0	-0.0					
3124	1	34	SLU 1	I	-0.1	0.0	5.2	-0.0	0.0	0.0	SLErar~1	I	0.0	0.0	-3.4	-0.0	-5.1	0.0			
			J	-0.1	0.0	10.6	-0.0	-22.1	-0.0		J	0.0	0.0	-0.2	-0.0	-0.0	-0.0				
			SLU 2	I	-0.1	0.0	5.9	-0.0	0.0	0.0	SLE freq	I	0.0	0.0	-2.8	-0.0	-4.2	0.0			
			J	-0.1	0.0	12.6	-0.0	-25.9	-0.0	J	0.0	0.0	-0.2	-0.0	-0.0	-0.0					
			SLU 3	I	-0.1	0.0	4.8	-0.0	0.0	0.0	SLE qp	I	0.0	0.0	-1.2	-0.0	-2.1	0.0			
			J	-0.1	0.0	10.2	-0.0	-21.1	-0.0	J	0.0	0.0	-0.3	-0.0	-0.0	-0.0					
			SLV X	I	11.5	4.5	5.6	0.0	0.0	7.1	3127	1	8	SLU 1	I	0.1	-0.0	-4.8	0.0	-5.8	-0.0
			J	11.5	4.5	8.1	0.0	-0.9	5.5		J	0.1	-0.0	0.7	0.0	0.0	0.0				
			SLV Y	I	3.5	2.8	5.4	0.0	0.0	3.9	SLU 2	I	0.1	-0.0	-6.1	0.0	-7.5	-0.0			
			J	3.5	2.8	7.8	0.0	-1.5	3.8	J	0.1	-0.0	0.8	0.0	0.0	0.0					
			SLE ra~1	I	-0.0	0.0	3.6	-0.0	0.0	0.0	SLU 3	I	0.1	-0.0	-5.4	0.0	-6.7	-0.0			
			J	-0.0	0.0	7.5	-0.0	-15.6	-0.0	J	0.1	-0.0	0.6	0.0	0.0	0.0					
			SLE ra~2	I	-0.1	0.0	4.1	-0.0	0.0	0.0	SLV X	I	4.9	2.8	0.6	0.0	2.8	3.9			
			J	-0.1	0.0	8.8	-0.0	-18.0	-0.0	J	4.9	2.8	1.4	0.0	0.0	4.0					



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	113 di 212

			SLV Y	I	2.1	1.1	-0.3	0.0	0.4	1.5				SLU 2	I	-0.0	-0.0	-2.3	0.0	-0.8	-0.0		
			J	2.1	1.1	0.6	0.0	0.0	1.6				J	-0.0	-0.0	1.7	0.0	-0.0	0.0				
			SLE ra~1	I	0.0	-0.0	-3.3	0.0	-4.0	-0.0			SLU 3	I	-0.0	-0.0	-2.0	0.0	-0.7	-0.0			
			J	0.0	-0.0	0.4	0.0	0.0	0.0			J	-0.0	-0.0	1.6	0.0	-0.0	0.0					
			SLE ra~2	I	0.0	-0.0	-4.2	0.0	-5.1	-0.0			SLV X	I	2.8	2.0	0.7	0.0	3.2	2.7			
			J	0.0	-0.0	0.5	0.0	0.0	0.0			J	2.8	2.0	1.6	0.0	-0.0	2.9					
			SLErar~1	I	0.0	-0.0	-3.7	0.0	-4.6	-0.0			SLV Y	I	1.1	0.8	0.7	0.0	3.0	1.1			
			J	0.0	-0.0	0.4	0.0	0.0	0.0			J	1.1	0.8	1.5	0.0	-0.0	1.1					
			SLE freq	I	0.0	-0.0	-2.6	0.0	-3.2	-0.0			SLERa~1	I	-0.0	-0.0	-1.0	0.0	0.3	-0.0			
			J	0.0	-0.0	0.3	0.0	0.0	0.0			J	-0.0	-0.0	1.2	0.0	-0.0	0.0					
			SLE qp	I	0.0	-0.0	-0.7	0.0	-0.9	-0.0			SLERa~2	I	-0.0	-0.0	-1.6	0.0	-0.6	-0.0			
			J	0.0	-0.0	0.1	0.0	0.0	0.0			J	-0.0	-0.0	1.1	0.0	-0.0	0.0					
3129	1	8	SLU 1	I	0.0	0.0	-2.6	-0.0	-2.8	0.0			SLERar~1	I	-0.0	-0.0	-1.4	0.0	-0.5	-0.0			
			J	0.0	0.0	0.6	-0.0	0.0	-0.0			J	-0.0	-0.0	1.1	0.0	-0.0	0.0					
			SLU 2	I	0.1	0.0	-3.9	-0.0	-4.5	0.0			SLE freq	I	-0.0	-0.0	-0.9	0.0	0.1	-0.0			
			J	0.1	0.0	0.7	-0.0	0.0	-0.0			J	-0.0	-0.0	1.0	0.0	-0.0	0.0					
			SLU 3	I	0.0	0.0	-2.7	-0.0	-3.0	0.0			SLE qp	I	0.0	-0.0	-0.1	0.0	1.0	-0.0			
			J	0.0	0.0	0.5	-0.0	0.0	-0.0			J	0.0	-0.0	0.8	0.0	-0.0	0.0					
			SLV X	I	4.9	2.8	0.6	-0.0	2.8	3.9			3133	1	8	SLU 1	I	0.0	0.0	-0.3	-0.0	2.2	0.0
			J	4.9	2.8	1.4	-0.0	0.0	3.9			J	0.0	0.0	1.9	-0.0	-0.0	-0.0					
			SLV Y	I	2.1	1.1	-0.3	-0.0	0.4	1.6			SLU 2	I	0.0	0.0	-1.1	-0.0	0.8	0.0			
			J	2.1	1.1	0.6	-0.0	0.0	1.6			J	0.0	0.0	1.7	-0.0	-0.0	-0.0					
			SLE ra~1	I	0.0	0.0	-1.8	-0.0	-2.0	0.0			SLU 3	I	0.0	0.0	-0.6	-0.0	1.4	0.0			
			J	0.0	0.0	0.4	-0.0	0.0	-0.0			J	0.0	0.0	1.6	-0.0	-0.0	-0.0					
			SLE ra~2	I	0.0	0.0	-2.7	-0.0	-3.1	0.0			SLV X	I	2.8	2.0	0.7	-0.0	3.3	2.7			
			J	0.0	0.0	0.4	-0.0	0.0	-0.0			J	2.8	2.0	1.6	-0.0	-0.0	2.9					
			SLErar~1	I	0.0	0.0	-1.9	-0.0	-2.1	0.0			SLV Y	I	1.1	0.8	0.7	-0.0	3.0	1.1			
			J	0.0	0.0	0.3	-0.0	0.0	-0.0			J	1.1	0.8	1.5	-0.0	-0.0	1.1					
			SLE freq	I	0.0	0.0	-1.7	-0.0	-2.0	0.0			SLERa~1	I	0.0	0.0	-0.3	-0.0	1.4	0.0			
			J	0.0	0.0	0.3	-0.0	0.0	-0.0			J	0.0	0.0	1.3	-0.0	-0.0	-0.0					
			SLE qp	I	0.0	0.0	-0.7	-0.0	-0.9	0.0			SLERa~2	I	0.0	0.0	-0.8	-0.0	0.5	0.0			
			J	0.0	0.0	0.1	-0.0	0.0	-0.0			J	0.0	0.0	1.2	-0.0	-0.0	-0.0					
3131	1	8	SLU 1	I	-0.0	-0.0	-1.5	0.0	0.5	-0.0			SLERar~1	I	0.0	0.0	-0.5	-0.0	0.9	0.0			
			J	-0.0	-0.0	1.8	0.0	-0.0	0.0			J	0.0	0.0	1.1	-0.0	-0.0	-0.0					



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	114 di 212

			SLE freq	I	0.0	0.0	-0.4	-0.0	0.7	0.0				SLE ra~1	I	-0.0	-0.0	-7.5	0.0	-15.6	-0.0	
				J	0.0	0.0	1.0	-0.0	-0.0	-0.0					J	-0.0	-0.0	-3.6	0.0	0.0	0.0	
			SLE qp	I	0.0	0.0	-0.1	-0.0	1.0	0.0				SLE ra~2	I	-0.1	-0.0	-8.8	0.0	-18.0	-0.0	
				J	0.0	0.0	0.8	-0.0	-0.0	-0.0					J	-0.1	-0.0	-4.1	0.0	0.0	0.0	
3134	1	34	SLU 1	I	-0.1	0.0	-14.7	-0.0	-30.2	0.1				SLErar~1	I	-0.0	-0.0	-7.2	0.0	-14.9	-0.0	
				J	-0.1	0.0	-6.9	-0.0	0.0	-0.0					J	-0.0	-0.0	-3.4	0.0	0.0	0.0	
			SLU 2	I	-0.1	0.0	-16.7	-0.0	-33.9	0.1				SLE freq	I	-0.0	-0.0	-6.8	0.0	-14.0	-0.0	
				J	-0.1	0.0	-7.6	-0.0	0.0	-0.0					J	-0.0	-0.0	-3.2	0.0	0.0	0.0	
			SLU 3	I	-0.1	0.0	-15.3	0.0	-31.2	0.1				SLE qp	I	-0.0	-0.0	-4.8	0.0	-10.0	-0.0	
				J	-0.1	0.0	-7.0	0.0	0.0	-0.0					J	-0.0	-0.0	-2.3	0.0	0.0	0.0	
			SLV X	I	11.5	4.5	-1.6	0.0	-0.9	5.5		3139	1	8	SLU 1	I	0.1	-0.0	0.3	0.0	-0.0	-0.0
				J	11.5	4.5	0.9	0.0	0.0	7.0					J	0.1	-0.0	4.8	0.0	-7.2	0.0	
			SLV Y	I	3.5	2.8	-1.8	0.0	-1.5	3.9				SLU 2	I	0.1	-0.0	0.2	0.0	-0.0	-0.0	
				J	3.5	2.8	0.7	0.0	0.0	3.9					J	0.1	-0.0	6.1	0.0	-8.8	0.0	
			SLE ra~1	I	-0.1	0.0	-10.2	-0.0	-20.9	0.1				SLU 3	I	0.1	-0.0	0.2	0.0	-0.0	-0.0	
				J	-0.1	0.0	-4.8	-0.0	0.0	-0.0					J	0.1	-0.0	5.0	0.0	-7.4	0.0	
			SLE ra~2	I	-0.1	0.0	-11.5	-0.0	-23.4	0.1				SLV X	I	4.2	0.1	2.1	0.0	0.0	0.2	
				J	-0.1	0.0	-5.2	-0.0	0.0	-0.0					J	4.2	0.1	3.0	0.0	3.0	0.2	
			SLErar~1	I	-0.1	0.0	-10.6	0.0	-21.6	0.1				SLV Y	I	1.3	0.4	0.9	0.0	0.0	0.5	
				J	-0.1	0.0	-4.8	0.0	0.0	-0.0					J	1.3	0.4	1.7	0.0	-0.6	0.5	
			SLE freq	I	-0.1	0.0	-8.5	-0.0	-17.4	0.0				SLE ra~1	I	0.0	-0.0	0.2	0.0	-0.0	-0.0	
				J	-0.1	0.0	-3.9	-0.0	0.0	-0.0					J	0.0	-0.0	3.3	0.0	-5.0	0.0	
			SLE qp	I	-0.0	0.0	-4.8	-0.0	-10.0	0.0				SLE ra~2	I	0.0	-0.0	0.1	0.0	-0.0	-0.0	
				J	-0.0	0.0	-2.3	-0.0	0.0	-0.0					J	0.0	-0.0	4.1	0.0	-6.0	0.0	
3136	1	34	SLU 1	I	-0.1	-0.0	-10.6	0.0	-22.1	-0.0				SLErar~1	I	0.0	-0.0	0.2	0.0	-0.0	-0.0	
				J	-0.1	-0.0	-5.2	0.0	0.0	0.0					J	0.0	-0.0	3.4	0.0	-5.1	0.0	
			SLU 2	I	-0.1	-0.0	-12.6	0.0	-25.9	-0.0				SLE freq	I	0.0	-0.0	0.2	0.0	-0.0	-0.0	
				J	-0.1	-0.0	-5.9	0.0	0.0	0.0					J	0.0	-0.0	2.8	0.0	-4.2	0.0	
			SLU 3	I	-0.1	-0.0	-10.2	0.0	-21.1	-0.0				SLE qp	I	0.0	0.0	0.3	0.0	-0.0	0.0	
				J	-0.1	-0.0	-4.8	0.0	0.0	0.0					J	0.0	0.0	1.2	0.0	-2.1	-0.0	
			SLV X	I	11.5	4.5	-1.6	0.0	-0.9	5.5		3141	1	8	SLU 1	I	0.1	0.0	-0.7	-0.0	0.0	0.0
				J	11.5	4.5	0.9	0.0	0.0	7.1					J	0.1	0.0	4.8	-0.0	-5.8	-0.0	
			SLV Y	I	3.5	2.7	-1.8	0.0	-1.5	3.8				SLU 2	I	0.1	0.0	-0.8	-0.0	0.0	0.0	
				J	3.5	2.7	0.7	0.0	0.0	3.9					J	0.1	0.0	6.1	-0.0	-7.5	-0.0	



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	115 di 212

SLU 3	I	0.1	0.0	-0.6	-0.0	0.0	0.0			SLE qp	I	0.0	-0.0	-0.1	0.0	0.0	-0.0	
J	0.1	0.0	5.4	-0.0	-6.7	-0.0				J	0.0	-0.0	0.7	0.0	-0.9	0.0		
SLV X	I	4.9	2.8	1.2	-0.0	0.0	4.0	3145	1	8	SLU 1	I	-0.0	0.0	-1.8	-0.0	-0.0	0.0
J	4.9	2.8	2.1	-0.0	2.8	3.9				J	-0.0	0.0	1.5	-0.0	0.5	-0.0		
SLV Y	I	2.1	1.1	0.4	-0.0	0.0	1.6			SLU 2	I	-0.0	0.0	-1.7	-0.0	-0.0	0.0	
J	2.1	1.1	1.2	-0.0	0.4	1.5			J	-0.0	0.0	2.3	-0.0	-0.8	-0.0			
SLE ra~1	I	0.0	0.0	-0.4	-0.0	0.0	0.0			SLU 3	I	-0.0	0.0	-1.6	-0.0	-0.0	0.0	
J	0.0	0.0	3.3	-0.0	-4.0	-0.0			J	-0.0	0.0	2.0	-0.0	-0.7	-0.0			
SLE ra~2	I	0.0	0.0	-0.5	-0.0	0.0	0.0			SLV X	I	2.8	2.0	0.1	-0.0	-0.0	2.9	
J	0.0	0.0	4.2	-0.0	-5.1	-0.0			J	2.8	2.0	0.9	-0.0	3.3	2.7			
SLErar~1	I	0.0	0.0	-0.4	-0.0	0.0	0.0			SLV Y	I	1.1	0.8	-0.0	-0.0	-0.0	1.1	
J	0.0	0.0	3.7	-0.0	-4.6	-0.0			J	1.1	0.8	0.8	-0.0	3.0	1.1			
SLE freq	I	0.0	0.0	-0.3	-0.0	0.0	0.0			SLE ra~1	I	-0.0	0.0	-1.2	-0.0	-0.0	0.0	
J	0.0	0.0	2.6	-0.0	-3.2	-0.0			J	-0.0	0.0	1.0	-0.0	0.3	-0.0			
SLE qp	I	0.0	0.0	-0.1	-0.0	0.0	0.0			SLE ra~2	I	-0.0	0.0	-1.1	-0.0	-0.0	0.0	
J	0.0	0.0	0.7	-0.0	-0.9	-0.0			J	-0.0	0.0	1.6	-0.0	-0.6	-0.0			
3143	1	8	SLU 1	I	0.0	-0.0	-0.6	0.0	0.0	-0.0	SLErar~1	I	-0.0	0.0	-1.1	-0.0	-0.0	0.0
J	0.0	-0.0	2.6	0.0	-2.8	0.0			J	-0.0	0.0	1.4	-0.0	-0.5	-0.0			
SLU 2	I	0.1	-0.0	-0.7	0.0	0.0	-0.0			SLE freq	I	-0.0	0.0	-1.0	-0.0	-0.0	0.0	
J	0.1	-0.0	3.9	0.0	-4.5	0.0			J	-0.0	0.0	0.9	-0.0	0.1	-0.0			
SLU 3	I	0.0	-0.0	-0.5	0.0	0.0	-0.0			SLE qp	I	0.0	0.0	-0.8	-0.0	-0.0	0.0	
J	0.0	-0.0	2.7	0.0	-3.0	0.0			J	0.0	0.0	0.1	-0.0	1.0	-0.0			
SLV X	I	4.9	2.8	1.2	0.0	0.0	3.9	3147	1	8	SLU 1	I	0.0	-0.0	-1.9	0.0	-0.0	-0.0
J	4.9	2.8	2.1	0.0	2.8	3.9			J	0.0	-0.0	0.3	0.0	2.2	0.0			
SLV Y	I	2.1	1.1	0.4	0.0	0.0	1.6			SLU 2	I	0.0	-0.0	-1.7	0.0	-0.0	-0.0	
J	2.1	1.1	1.2	0.0	0.4	1.6			J	0.0	-0.0	1.1	0.0	0.8	0.0			
SLE ra~1	I	0.0	-0.0	-0.4	0.0	0.0	-0.0			SLU 3	I	0.0	-0.0	-1.6	0.0	-0.0	-0.0	
J	0.0	-0.0	1.8	0.0	-2.0	0.0			J	0.0	-0.0	0.6	0.0	1.4	0.0			
SLE ra~2	I	0.0	-0.0	-0.4	0.0	0.0	-0.0			SLV X	I	2.8	2.0	0.1	0.0	-0.0	2.9	
J	0.0	-0.0	2.7	0.0	-3.1	0.0			J	2.8	2.0	0.9	0.0	3.2	2.7			
SLErar~1	I	0.0	-0.0	-0.3	0.0	0.0	-0.0			SLV Y	I	1.1	0.8	-0.0	0.0	-0.0	1.1	
J	0.0	-0.0	1.9	0.0	-2.1	0.0			J	1.1	0.8	0.8	0.0	3.0	1.1			
SLE freq	I	0.0	-0.0	-0.3	0.0	0.0	-0.0			SLE ra~1	I	0.0	-0.0	-1.3	0.0	-0.0	-0.0	
J	0.0	-0.0	1.7	0.0	-2.0	0.0			J	0.0	-0.0	0.3	0.0	1.4	0.0			



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	116 di 212

			SLE ra-2	I	0.0	-0.0	-1.2	0.0	-0.0	-0.0				SLV X	I	2.0	3.2	0.0	0.0	0.0	2.9	
				J	0.0	-0.0	0.8	0.0	0.5	0.0				J	2.0	3.2	-0.5	0.0	2.4	1.3		
			SLErar-1	I	0.0	-0.0	-1.1	0.0	-0.0	-0.0				SLV Y	I	0.8	1.3	0.1	0.0	0.0	1.1	
				J	0.0	-0.0	0.5	0.0	0.8	0.0				J	0.8	1.3	-0.5	0.0	2.4	0.5		
			SLE freq	I	0.0	-0.0	-1.0	0.0	-0.0	-0.0				SLE ra-1	I	0.0	0.0	-1.3	0.0	0.0	0.0	
				J	0.0	-0.0	0.4	0.0	0.7	0.0				J	0.0	0.0	-2.0	0.0	2.1	0.0		
			SLE qp	I	0.0	-0.0	-0.8	0.0	-0.0	-0.0				SLE ra-2	I	0.0	0.0	-1.2	0.0	0.0	0.0	
				J	0.0	-0.0	0.1	0.0	1.0	0.0				J	0.0	0.0	-2.0	0.0	2.1	0.0		
3148	1	20	SLU 1	I	0.0	0.0	-0.7	0.0	-8.3	0.0				SLErar-1	I	0.0	0.0	-1.1	0.0	0.0	0.0	
				J	0.0	0.0	0.4	0.0	-8.1	-0.0				J	0.0	0.0	-1.8	0.0	1.9	0.0		
			SLU 2	I	0.0	0.0	-1.0	0.0	-8.6	0.0				SLE freq	I	0.0	0.0	-1.0	0.0	0.0	0.0	
				J	0.0	0.0	0.4	0.0	-8.1	-0.0				J	0.0	0.0	-1.7	0.0	1.7	0.0		
			SLU 3	I	0.0	0.0	-0.7	0.0	-7.5	0.0				SLE qp	I	0.0	0.0	-0.8	0.0	0.0	0.0	
				J	0.0	0.0	0.4	0.0	-7.4	-0.0				J	0.0	0.0	-1.3	0.0	1.4	0.0		
			SLV X	I	8.7	2.6	0.9	0.0	0.2	2.1		3150	1	20	SLU 1	I	0.0	-0.1	5.3	-0.0	9.3	-0.0
				J	8.7	2.6	1.4	0.0	-1.4	1.5				J	0.0	-0.1	3.9	-0.0	3.3	0.0		
			SLV Y	I	2.7	1.6	1.2	0.0	-0.7	1.5				SLU 2	I	0.0	-0.1	5.6	-0.0	9.6	-0.1	
				J	2.7	1.6	1.8	0.0	-2.8	0.7				J	0.0	-0.1	4.1	-0.0	3.3	0.0		
			SLE ra-1	I	0.0	0.0	-0.5	0.0	-5.7	0.0				SLU 3	I	0.0	-0.1	5.1	-0.0	8.7	-0.0	
				J	0.0	0.0	0.3	0.0	-5.6	-0.0				J	0.0	-0.1	3.7	-0.0	3.0	0.0		
			SLE ra-2	I	0.0	0.0	-0.7	0.0	-5.9	0.0				SLV X	I	4.8	8.6	4.0	-0.0	7.3	8.5	
				J	0.0	0.0	0.2	0.0	-5.6	-0.0				J	4.8	8.6	3.5	-0.0	2.4	2.7		
			SLErar-1	I	0.0	0.0	-0.5	0.0	-5.2	0.0				SLV Y	I	1.8	3.4	3.3	0.0	6.4	3.4	
				J	0.0	0.0	0.3	0.0	-5.0	-0.0				J	1.8	3.4	2.8	0.0	2.4	1.1		
			SLE freq	I	0.0	0.0	-0.5	0.0	-4.7	0.0				SLE ra-1	I	0.0	-0.0	3.6	-0.0	6.4	-0.0	
				J	0.0	0.0	0.2	0.0	-4.5	-0.0				J	0.0	-0.0	2.7	-0.0	2.3	0.0		
			SLE qp	I	0.0	0.0	-0.4	-0.0	-3.5	0.0				SLE ra-2	I	0.0	-0.0	3.9	-0.0	6.5	-0.0	
				J	0.0	0.0	0.2	-0.0	-3.4	-0.0				J	0.0	-0.0	2.8	-0.0	2.2	0.0		
3149	1	20	SLU 1	I	0.0	0.0	-1.9	0.0	0.0	0.0				SLErar-1	I	0.0	-0.0	3.5	-0.0	6.0	-0.0	
				J	0.0	0.0	-2.9	0.0	3.1	0.0				J	0.0	-0.0	2.5	-0.0	2.1	0.0		
			SLU 2	I	0.0	0.0	-1.7	0.0	0.0	0.0				SLE freq	I	0.0	-0.0	3.0	-0.0	5.2	-0.0	
				J	0.0	0.0	-3.0	0.0	3.0	0.0				J	0.0	-0.0	2.1	-0.0	1.8	0.0		
			SLU 3	I	0.0	0.0	-1.6	0.0	0.0	0.0				SLE qp	I	0.0	-0.0	1.9	-0.0	3.5	-0.0	
				J	0.0	0.0	-2.6	0.0	2.7	0.0				J	0.0	-0.0	1.4	-0.0	1.4	0.0		



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	117 di 212

3151	I	20	SLU 1	I	0.1	-0.0	0.1	0.0	-8.1	-0.0	SLErar~1	I	0.0	0.0	2.1	-0.0	2.1	0.0			
	J			J	0.1	-0.0	1.6	0.0	-9.3	0.0	J	0.0	0.0	1.1	-0.0	0.0	0.0	0.0			
			SLU 2	I	0.1	-0.0	0.2	0.0	-8.1	-0.0	SLE freq	I	0.0	0.0	1.8	-0.0	1.8	0.0			
	J			J	0.1	-0.0	1.9	0.0	-9.6	0.0	J	0.0	0.0	1.0	-0.0	0.0	0.0	0.0			
			SLU 3	I	0.0	-0.0	0.2	0.0	-7.4	-0.0	SLE qp	I	0.0	-0.0	1.3	-0.0	1.3	0.0			
	J			J	0.0	-0.0	1.8	0.0	-8.7	0.0	J	0.0	-0.0	0.8	-0.0	0.0	0.0	0.0			
			SLV X	I	8.7	2.6	1.1	0.0	-1.4	1.5	3153	I	20	SLU 1	I	0.0	0.1	-3.5	0.0	3.1	0.0
	J			J	8.7	2.6	1.7	0.0	0.2	2.1	J			J	0.0	0.1	-4.5	0.0	8.3	-0.0	
			SLV Y	I	2.7	1.6	1.5	0.0	-2.8	0.7	SLU 2	I		I	0.0	0.1	-3.6	0.0	3.1	0.0	
	J			J	2.7	1.6	2.0	0.0	-0.7	1.5	J			J	0.0	0.1	-4.9	0.0	8.6	-0.0	
			SLE ra~1	I	0.0	-0.0	0.1	0.0	-5.6	-0.0	SLU 3	I		I	0.0	0.0	-3.1	0.0	2.7	0.0	
	J			J	0.0	-0.0	1.1	0.0	-6.4	0.0	J			J	0.0	0.0	-4.2	0.0	7.5	-0.0	
			SLE ra~2	I	0.0	-0.0	0.1	0.0	-5.6	-0.0	SLV X	I		I	4.8	8.6	0.7	0.0	2.4	2.7	
	J			J	0.0	-0.0	1.3	0.0	-6.5	0.0	J			J	4.8	8.6	0.1	0.0	7.3	8.5	
			SLErar~1	I	0.0	-0.0	0.1	0.0	-5.0	-0.0	SLV Y	I		I	1.8	3.5	-0.0	0.0	2.4	1.1	
	J			J	0.0	-0.0	1.3	0.0	-6.0	0.0	J			J	1.8	3.5	-0.6	0.0	6.4	3.4	
			SLE freq	I	0.0	-0.0	-0.0	0.0	-4.5	-0.0	SLE ra~1	I		I	0.0	0.0	-2.4	0.0	2.1	0.0	
	J			J	0.0	-0.0	0.9	0.0	-5.2	0.0	J			J	0.0	0.0	-3.1	0.0	5.7	-0.0	
			SLE qp	I	0.0	-0.0	-0.2	0.0	-3.4	-0.0	SLE ra~2	I		I	0.0	0.0	-2.5	0.0	2.1	0.0	
	J			J	0.0	-0.0	0.4	0.0	-3.5	0.0	J			J	0.0	0.0	-3.4	0.0	5.9	-0.0	
3152	I	20	SLU 1	I	0.0	0.0	3.2	-0.0	3.3	0.0	SLErar~1	I		I	0.0	0.0	-2.1	0.0	1.9	0.0	
	J			J	0.0	0.0	1.8	-0.0	0.0	0.0	J			J	0.0	0.0	-2.9	0.0	5.2	-0.0	
			SLU 2	I	0.0	0.0	3.3	-0.0	3.3	0.0	SLE freq	I		I	0.0	0.0	-2.0	0.0	1.7	0.0	
	J			J	0.0	0.0	1.7	-0.0	0.0	0.0	J			J	0.0	0.0	-2.7	0.0	4.7	-0.0	
			SLU 3	I	0.0	0.0	3.0	-0.0	3.0	0.0	SLE qp	I		I	0.0	0.0	-1.4	0.0	1.4	0.0	
	J			J	0.0	0.0	1.6	-0.0	0.0	0.0	J			J	0.0	0.0	-1.9	0.0	3.5	-0.0	
			SLV X	I	2.0	3.2	2.1	-0.0	2.4	1.3	3154	I	20	SLU 1	I	0.0	-0.0	-0.7	-0.0	-8.3	-0.0
	J			J	2.0	3.2	1.6	-0.0	0.0	2.9	J			J	0.0	-0.0	0.4	-0.0	-8.1	0.0	
			SLV Y	I	0.8	1.3	2.1	-0.0	2.4	0.5	SLU 2	I		I	0.0	-0.0	-1.0	-0.0	-8.6	-0.0	
	J			J	0.8	1.3	1.6	-0.0	0.0	1.1	J			J	0.0	-0.0	0.4	-0.0	-8.1	0.0	
			SLE ra~1	I	0.0	0.0	2.2	-0.0	2.3	0.0	SLU 3	I		I	0.0	-0.0	-0.7	-0.0	-7.5	-0.0	
	J			J	0.0	0.0	1.2	-0.0	0.0	0.0	J			J	0.0	-0.0	0.4	-0.0	-7.4	0.0	
			SLE ra~2	I	0.0	0.0	2.3	-0.0	2.2	0.0	SLV X	I		I	8.7	2.6	0.9	0.0	0.2	2.1	
	J			J	0.0	0.0	1.1	-0.0	0.0	0.0	J			J	8.7	2.6	1.4	0.0	-1.4	1.6	



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLV Y	I	2.7	1.6	1.2	0.0	-0.7	1.5						SLU 2	I	0.0	0.1	5.6	0.0	9.6	0.1			
			J		2.7	1.6	1.8	0.0	-2.8	0.7						J		0.0	0.1	4.1	0.0	3.3	-0.0			
			SLE ra~1	I	0.0	-0.0	-0.5	-0.0	-5.7	-0.0						SLU 3	I	0.0	0.1	5.2	0.0	8.7	0.0			
			J		0.0	-0.0	0.3	-0.0	-5.6	0.0						J		0.0	0.1	3.7	0.0	3.0	-0.0			
			SLE ra~2	I	0.0	-0.0	-0.7	-0.0	-5.9	-0.0						SLV X	I	4.8	8.6	4.0	0.0	7.3	8.5			
			J		0.0	-0.0	0.2	-0.0	-5.6	0.0						J		4.8	8.6	3.5	0.0	2.4	2.7			
			SLErar~1	I	0.0	-0.0	-0.5	-0.0	-5.2	-0.0						SLV Y	I	1.8	3.5	3.3	0.0	6.4	3.4			
			J		0.0	-0.0	0.3	-0.0	-5.0	0.0						J		1.8	3.5	2.8	0.0	2.4	1.1			
			SLE freq	I	0.0	-0.0	-0.5	-0.0	-4.7	-0.0						SLERa~1	I	0.0	0.0	3.6	0.0	6.4	0.0			
			J		0.0	-0.0	0.2	-0.0	-4.5	0.0						J		0.0	0.0	2.7	0.0	2.3	-0.0			
			SLE qp	I	0.0	-0.0	-0.4	0.0	-3.5	-0.0						SLERa~2	I	0.0	0.0	3.9	0.0	6.5	0.0			
			J		0.0	-0.0	0.2	0.0	-3.4	0.0						J		0.0	0.0	2.8	0.0	2.2	-0.0			
3155	1	20	SLU 1	I	0.0	-0.0	-1.9	-0.0	0.0	-0.0						SLERar~1	I	0.0	0.0	3.5	0.0	6.0	0.0			
			J		0.0	-0.0	-2.9	-0.0	3.1	-0.0						J		0.0	0.0	2.5	0.0	2.1	-0.0			
			SLU 2	I	0.0	-0.0	-1.7	-0.0	0.0	-0.0						SLERa~1	I	0.0	0.0	3.0	0.0	5.2	0.0			
			J		0.0	-0.0	-3.0	-0.0	3.0	-0.0						J		0.0	0.0	2.1	0.0	1.8	-0.0			
			SLU 3	I	0.0	-0.0	-1.6	-0.0	0.0	-0.0						SLERa~2	I	0.0	0.0	1.9	0.0	3.5	0.0			
			J		0.0	-0.0	-2.6	-0.0	2.7	-0.0						J		0.0	0.0	1.4	0.0	1.4	-0.0			
			SLV X	I	2.0	3.2	0.0	-0.0	0.0	2.9						3157	1	20	SLU 1	I	0.1	0.0	0.1	-0.0	-8.1	0.0
			J		2.0	3.2	-0.5	-0.0	2.4	1.3						J		0.1	0.0	1.6	-0.0	-9.3	-0.0			
			SLV Y	I	0.8	1.3	0.1	-0.0	0.0	1.1							SLU 2	I	0.1	0.0	0.2	-0.0	-8.1	0.0		
			J		0.8	1.3	-0.5	-0.0	2.4	0.5						J		0.1	0.0	1.9	-0.0	-9.6	-0.0			
			SLE ra~1	I	0.0	-0.0	-1.3	-0.0	0.0	-0.0							SLU 3	I	0.0	0.0	0.2	-0.0	-7.4	0.0		
			J		0.0	-0.0	-2.0	-0.0	2.1	-0.0						J		0.0	0.0	1.8	-0.0	-8.7	-0.0			
			SLE ra~2	I	0.0	-0.0	-1.2	-0.0	0.0	-0.0							SLV X	I	8.7	2.6	1.1	0.0	-1.4	1.6		
			J		0.0	-0.0	-2.0	-0.0	2.1	-0.0						J		8.7	2.6	1.7	0.0	0.2	2.1			
			SLErar~1	I	0.0	-0.0	-1.1	-0.0	0.0	-0.0							SLV Y	I	2.7	1.6	1.5	0.0	-2.8	0.7		
			J		0.0	-0.0	-1.8	-0.0	1.9	-0.0						J		2.7	1.6	2.0	0.0	-0.7	1.5			
			SLE freq	I	0.0	-0.0	-1.0	-0.0	0.0	-0.0							SLERa~1	I	0.0	0.0	0.1	-0.0	-5.6	0.0		
			J		0.0	-0.0	-1.7	-0.0	1.7	-0.0						J		0.0	0.0	1.1	-0.0	-6.4	-0.0			
			SLE qp	I	0.0	-0.0	-0.8	-0.0	0.0	-0.0							SLERa~2	I	0.0	0.0	0.1	-0.0	-5.6	0.0		
			J		0.0	-0.0	-1.3	-0.0	1.3	-0.0						J		0.0	0.0	1.3	-0.0	-6.5	-0.0			
3156	1	20	SLU 1	I	0.0	0.1	5.3	0.0	9.3	0.0						SLERar~1	I	0.0	0.0	0.1	-0.0	-5.0	0.0			
			J		0.0	0.1	3.9	0.0	3.3	-0.0						J		0.0	0.0	1.3	-0.0	-6.0	-0.0			



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE freq	I	0.0	0.0	-0.0	-0.0	-4.5	0.0				SLE ra~1	I	0.0	-0.0	-2.4	-0.0	2.1	-0.0	
			J	0.0	0.0	0.9	-0.0	-5.2	-0.0				J	0.0	-0.0	-3.1	-0.0	5.7	0.0			
			SLE qp	I	0.0	0.0	-0.2	-0.0	-3.4	0.0				SLE ra~2	I	0.0	-0.0	-2.5	-0.0	2.1	-0.0	
			J	0.0	0.0	0.4	-0.0	-3.5	-0.0				J	0.0	-0.0	-3.4	-0.0	5.9	0.0			
3158	1	20	SLU 1	I	0.0	-0.0	3.2	0.0	3.3	-0.0				SLErar~1	I	0.0	-0.0	-2.1	-0.0	1.9	-0.0	
			J	0.0	-0.0	1.8	0.0	0.0	-0.0				J	0.0	-0.0	-2.9	-0.0	5.2	0.0			
			SLU 2	I	0.0	-0.0	3.3	0.0	3.3	-0.0				SLE freq	I	0.0	-0.0	-2.0	-0.0	1.7	-0.0	
			J	0.0	-0.0	1.7	0.0	0.0	-0.0				J	0.0	-0.0	-2.7	-0.0	4.7	0.0			
			SLU 3	I	0.0	-0.0	3.0	0.0	3.0	-0.0				SLE qp	I	0.0	-0.0	-1.4	-0.0	1.4	-0.0	
			J	0.0	-0.0	1.6	0.0	0.0	-0.0				J	0.0	-0.0	-1.9	-0.0	3.5	0.0			
			SLV X	I	2.0	3.2	2.1	0.0	2.4	1.3		3160	1	20	SLU 1	I	0.0	0.0	60.6	-0.0	88.1	0.0
			J	2.0	3.2	1.6	0.0	0.0	2.9				J	0.0	0.0	39.1	-0.0	23.2	-0.0			
			SLV Y	I	0.8	1.3	2.1	0.0	2.4	0.5				SLU 2	I	0.0	0.0	55.6	-0.0	83.1	0.0	
			J	0.8	1.3	1.6	0.0	0.0	1.1				J	0.0	0.0	38.5	-0.0	21.9	-0.0			
			SLE ra~1	I	0.0	-0.0	2.2	0.0	2.3	-0.0				SLU 3	I	0.0	0.0	52.7	-0.0	78.3	0.0	
			J	0.0	-0.0	1.2	0.0	0.0	-0.0				J	0.0	0.0	35.9	-0.0	20.7	-0.0			
			SLE ra~2	I	0.0	-0.0	2.3	0.0	2.2	-0.0				SLV X	I	2.8	9.2	26.0	0.0	37.2	8.9	
			J	0.0	-0.0	1.1	0.0	0.0	-0.0				J	2.8	9.2	15.7	0.0	10.1	3.0			
			SLErar~1	I	0.0	-0.0	2.1	0.0	2.1	-0.0				SLV Y	I	9.1	3.2	27.3	0.0	40.3	3.1	
			J	0.0	-0.0	1.1	0.0	0.0	-0.0				J	9.1	3.2	17.0	0.0	11.5	1.1			
			SLE freq	I	0.0	-0.0	1.8	0.0	1.8	-0.0				SLE ra~1	I	0.0	0.0	40.8	-0.0	59.4	0.0	
			J	0.0	-0.0	1.0	0.0	0.0	-0.0				J	0.0	0.0	26.4	-0.0	15.7	-0.0			
			SLE qp	I	0.0	0.0	1.3	0.0	1.4	-0.0				SLE ra~2	I	0.0	0.0	37.4	-0.0	56.1	0.0	
			J	0.0	0.0	0.8	0.0	0.0	-0.0				J	0.0	0.0	26.0	-0.0	14.9	-0.0			
3159	1	20	SLU 1	I	0.0	-0.1	-3.5	-0.0	3.1	-0.0				SLErar~1	I	0.0	0.0	35.5	-0.0	52.9	0.0	
			J	0.0	-0.1	-4.5	-0.0	8.3	0.0				J	0.0	0.0	24.2	-0.0	14.0	-0.0			
			SLU 2	I	0.0	-0.1	-3.6	-0.0	3.1	-0.0				SLE freq	I	0.0	0.0	31.3	-0.0	45.8	0.0	
			J	0.0	-0.1	-4.9	-0.0	8.6	0.0				J	0.0	0.0	20.4	-0.0	12.2	-0.0			
			SLU 3	I	0.0	-0.0	-3.1	-0.0	2.7	-0.0				SLE qp	I	-0.0	0.0	23.8	-0.0	33.3	0.0	
			J	0.0	-0.0	-4.2	-0.0	7.5	0.0				J	-0.0	0.0	13.5	-0.0	9.1	-0.0			
			SLV X	I	4.8	8.6	0.7	-0.0	2.4	2.7		3161	1	34	SLU 1	I	1.9	-0.0	-3.6	-0.0	-2.0	-0.1
			J	4.8	8.6	0.1	-0.0	7.3	8.5				J	1.9	-0.0	11.4	-0.0	-21.6	0.1			
			SLV Y	I	1.8	3.5	-0.0	0.0	2.4	1.1				SLU 2	I	2.1	-0.0	-4.6	-0.0	-2.8	-0.1	
			J	1.8	3.5	-0.6	0.0	6.4	3.4				J	2.1	-0.0	13.2	-0.0	-24.5	0.1			



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Stazione di Catenanuova
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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SLU 3	I	1.9	-0.0	-4.1	-0.0	-2.5	-0.1					SLE qp	I	0.1	0.0	-0.7	0.0	-0.4	0.0		
	J	1.9	-0.0	12.1	-0.0	-22.4	0.1						J	0.1	0.0	0.8	0.0	-0.7	-0.0		
SLV X	I	12.1	1.3	17.7	0.0	39.8	3.6	3163	1	20	SLU 1	I	-0.0	-0.0	-4.9	0.0	-0.0	-0.0			
	J	12.1	1.3	22.1	0.0	45.7	3.1					J	-0.0	-0.0	-25.7	0.0	19.9	-0.0			
SLV Y	I	4.7	0.7	5.7	0.0	12.9	2.2				SLU 2	I	-0.0	-0.0	-6.1	0.0	-0.0	-0.0			
	J	4.7	0.7	10.1	0.0	12.4	1.9				J	-0.0	-0.0	-22.5	0.0	18.6	-0.0				
SLE ra~1	I	1.3	-0.0	-2.5	-0.0	-1.4	-0.0				SLU 3	I	-0.0	-0.0	-4.7	0.0	-0.0	-0.0			
	J	1.3	-0.0	7.9	-0.0	-15.0	0.1				J	-0.0	-0.0	-20.7	0.0	16.5	-0.0				
SLE ra~2	I	1.4	-0.0	-3.2	-0.0	-1.9	-0.0				SLV X	I	1.0	3.5	-1.0	0.0	0.0	3.1			
	J	1.4	-0.0	9.1	-0.0	-16.9	0.0				J	1.0	3.5	-11.3	0.0	10.1	1.4				
SLErar~1	I	1.3	-0.0	-2.8	-0.0	-1.7	-0.0				SLV Y	I	3.3	1.3	0.1	0.0	0.0	1.1			
	J	1.3	-0.0	8.4	-0.0	-15.5	0.1				J	3.3	1.3	-10.2	0.0	11.5	0.5				
SLE freq	I	1.1	-0.0	-2.1	-0.0	-1.2	-0.0				SLE ra~1	I	-0.0	-0.0	-3.4	0.0	-0.0	-0.0			
	J	1.1	-0.0	6.6	-0.0	-12.5	0.0				J	-0.0	-0.0	-17.3	0.0	13.5	-0.0				
SLE qp	I	0.7	-0.0	-0.8	-0.0	-0.2	-0.0				SLE ra~2	I	-0.0	-0.0	-4.2	0.0	-0.0	-0.0			
	J	0.7	-0.0	3.6	-0.0	-7.0	0.0				J	-0.0	-0.0	-15.2	0.0	12.6	-0.0				
3162	1	8	SLU 1	I	0.1	0.0	-5.3	0.0	-4.4	0.0	SLErar~1	I	-0.0	-0.0	-3.3	0.0	-0.0	-0.0			
			J	0.1	0.0	5.6	0.0	-5.1	-0.0		J	-0.0	-0.0	-14.0	0.0	11.2	-0.0				
			SLU 2	I	0.1	0.0	-6.7	0.0	-5.6	0.0	SLE freq	I	-0.0	-0.0	-3.0	0.0	-0.0	-0.0			
			J	0.1	0.0	6.9	0.0	-6.4	-0.0		J	-0.0	-0.0	-13.7	0.0	10.8	-0.0				
			SLU 3	I	0.1	0.0	-5.9	0.0	-4.9	0.0	SLE qp	I	0.0	0.0	-1.8	0.0	-0.0	-0.0			
			J	0.1	0.0	6.1	0.0	-5.6	-0.0		J	0.0	0.0	-12.1	0.0	9.1	-0.0				
			SLV X	I	2.8	0.9	-0.6	0.0	0.2	2.2	3164	1	8	SLU 1	I	0.0	-0.0	-2.0	-0.0	-1.8	-0.0
			J	2.8	0.9	1.0	0.0	-0.6	2.2		J	0.0	-0.0	2.1	-0.0	-1.9	0.0				
			SLV Y	I	2.1	0.3	-0.6	0.0	-0.2	0.8		SLU 2	I	0.0	-0.0	-2.7	-0.0	-2.4	-0.0		
			J	2.1	0.3	0.9	0.0	-0.6	0.8		J	0.0	-0.0	2.8	-0.0	-2.5	0.0				
			SLE ra~1	I	0.1	0.0	-3.6	0.0	-3.0	0.0		SLU 3	I	0.0	-0.0	-2.0	-0.0	-1.8	-0.0		
			J	0.1	0.0	3.8	0.0	-3.5	-0.0		J	0.0	-0.0	2.1	-0.0	-1.9	0.0				
			SLE ra~2	I	0.1	0.0	-4.5	0.0	-3.8	0.0		SLV X	I	3.4	0.6	-0.7	0.0	-0.4	1.6		
			J	0.1	0.0	4.7	0.0	-4.3	-0.0		J	3.4	0.6	0.8	0.0	-0.5	1.6				
			SLErar~1	I	0.1	0.0	-4.0	0.0	-3.3	0.0		SLV Y	I	2.0	0.2	-0.7	0.0	-0.5	0.6		
			J	0.1	0.0	4.2	0.0	-3.8	-0.0		J	2.0	0.2	0.8	0.0	-0.5	0.6				
			SLE freq	I	0.1	0.0	-2.8	0.0	-2.3	0.0		SLE ra~1	I	0.0	-0.0	-1.4	-0.0	-1.3	-0.0		
			J	0.1	0.0	3.0	0.0	-2.7	-0.0		J	0.0	-0.0	1.5	-0.0	-1.3	0.0				



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PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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			SLE ra~2	I	0.0	-0.0	-1.9	-0.0	-1.7	-0.0				SLV X	I	-26.6	23.8	12.0	0.0	37.2	76.0	
				J	0.0	-0.0	1.9	-0.0	-1.7	0.0				J	-18.4	23.8	12.0	0.0	-6.8	70.1		
			SLE rar~1	I	0.0	-0.0	-1.4	-0.0	-1.3	-0.0				SLV Y	I	-3.6	7.3	27.0	0.0	98.3	23.2	
				J	0.0	-0.0	1.4	-0.0	-1.3	0.0			J	4.6	7.3	27.0	0.0	24.9	21.0			
			SLE freq	I	0.0	-0.0	-1.3	-0.0	-1.2	-0.0				SLE ra~1	I	-76.4	0.3	8.6	-0.0	15.7	0.6	
				J	0.0	-0.0	1.3	-0.0	-1.2	0.0			J	-68.2	0.3	8.6	-0.0	-37.5	-1.2			
			SLE qp	I	0.0	-0.0	-0.8	-0.0	-0.7	-0.0				SLE ra~2	I	-72.4	0.3	8.1	-0.0	14.8	0.7	
				J	0.0	-0.0	0.8	-0.0	-0.7	0.0			J	-64.2	0.3	8.1	-0.0	-35.5	-1.3			
3165	1	8	SLU 1	I	0.1	-0.0	-3.0	-0.0	-2.4	-0.0				SLE rar~1	I	-69.3	0.3	7.4	-0.0	13.1	0.6	
				J	0.1	-0.0	3.2	-0.0	-2.9	0.0			J	-61.1	0.3	7.4	-0.0	-32.9	-1.2			
			SLU 2	I	0.1	-0.0	-4.3	-0.0	-3.6	-0.0				SLE freq	I	-60.7	0.2	6.8	-0.0	12.6	0.5	
				J	0.1	-0.0	4.6	-0.0	-4.2	0.0			J	-52.5	0.2	6.8	-0.0	-29.3	-1.0			
			SLU 3	I	0.1	-0.0	-3.0	-0.0	-2.4	-0.0				SLE qp	I	-46.1	0.1	5.2	-0.0	10.3	0.3	
				J	0.1	-0.0	3.2	-0.0	-2.9	0.0			J	-38.0	0.1	5.2	-0.0	-21.9	-0.6			
			SLV X	I	2.8	0.9	-0.6	0.0	0.2	2.2		3167	1	2	SLU 1	I	-93.0	0.3	-12.8	-0.0	-27.3	0.7
				J	2.8	0.9	1.0	0.0	-0.6	2.2			J	-81.9	0.3	-12.8	-0.0	51.8	-1.3			
			SLV Y	I	2.1	0.3	-0.6	0.0	-0.2	0.8				SLU 2	I	-86.9	0.4	-12.1	-0.0	-25.9	0.8	
				J	2.1	0.3	0.9	0.0	-0.6	0.8			J	-75.9	0.4	-12.1	-0.0	48.8	-1.5			
			SLE ra~1	I	0.1	-0.0	-2.1	-0.0	-1.6	-0.0				SLU 3	I	-77.5	0.3	-11.0	-0.0	-24.4	0.6	
				J	0.1	-0.0	2.2	-0.0	-2.0	0.0			J	-66.5	0.3	-11.0	-0.0	44.0	-1.2			
			SLE ra~2	I	0.1	-0.0	-3.0	-0.0	-2.5	-0.0				SLV X	I	-26.6	23.8	1.6	0.0	16.5	76.0	
				J	0.1	-0.0	3.1	-0.0	-2.8	0.0			J	-18.4	23.8	1.6	0.0	37.0	70.1			
			SLE rar~1	I	0.1	-0.0	-2.1	-0.0	-1.7	-0.0				SLV Y	I	-3.6	7.3	16.5	0.0	77.6	23.2	
				J	0.1	-0.0	2.2	-0.0	-2.0	0.0			J	4.6	7.3	16.5	0.0	68.8	21.0			
			SLE freq	I	0.1	-0.0	-1.8	-0.0	-1.4	-0.0				SLE ra~1	I	-63.6	0.2	-8.6	-0.0	-18.5	0.5	
				J	0.1	-0.0	2.0	-0.0	-1.8	0.0			J	-55.4	0.2	-8.6	-0.0	35.0	-0.9			
			SLE qp	I	0.1	-0.0	-0.7	-0.0	-0.4	-0.0				SLE ra~2	I	-59.6	0.3	-8.2	-0.0	-17.5	0.5	
				J	0.1	-0.0	0.8	-0.0	-0.7	0.0			J	-51.4	0.3	-8.2	-0.0	33.0	-1.0			
3166	1	2	SLU 1	I	-112.1	0.4	12.7	-0.0	23.3	0.9				SLE rar~1	I	-53.3	0.2	-7.5	-0.0	-16.5	0.4	
				J	-101.1	0.4	12.7	-0.0	-55.5	-1.8			J	-45.2	0.2	-7.5	-0.0	29.8	-0.9			
			SLU 2	I	-106.1	0.5	12.0	-0.0	21.9	1.0				SLE freq	I	-52.7	0.2	-6.8	-0.0	-14.3	0.4	
				J	-95.1	0.5	12.0	-0.0	-52.6	-1.9			J	-44.5	0.2	-6.8	-0.0	27.7	-0.8			
			SLU 3	I	-101.5	0.4	11.0	-0.0	19.3	0.9				SLE qp	I	-46.1	0.1	-5.2	0.0	-10.3	0.3	
				J	-90.5	0.4	11.0	-0.0	-48.7	-1.8			J	-38.0	0.1	-5.2	0.0	21.9	-0.6			



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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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3168	I	34	SLU 1	I	1.4	-0.0	-2.1	0.0	-0.9	-0.0	SLErar~1	I	7.5	-0.0	-11.5	0.0	-11.9	-0.0			
	J			J	1.4	-0.0	8.0	0.0	-15.7	-0.0		J	7.5	-0.0	-0.1	0.0	-3.8	0.0			
			SLU 2	I	1.6	-0.0	-3.1	0.0	-1.7	-0.0	SLE freq	I	6.8	-0.0	-12.1	0.0	-12.5	-0.0			
	J			J	1.6	-0.0	9.8	0.0	-18.6	-0.0		J	6.8	-0.0	-0.8	0.0	-3.6	0.0			
			SLU 3	I	1.3	-0.0	-2.3	0.0	-1.1	-0.1	SLE qp	I	5.2	-0.0	-11.5	0.0	-11.3	-0.0			
	J			J	1.3	-0.0	7.9	0.0	-15.0	0.0		J	5.2	-0.0	-0.5	0.0	-3.1	0.0			
			SLV X	I	12.1	1.3	17.7	0.0	39.8	3.6	3170	I	8	SLU 1	I	0.2	-0.0	-4.2	-0.0	-3.3	-0.0
	J			J	12.1	1.3	22.1	0.0	45.7	3.0		J	0.2	-0.0	4.6	-0.0	-4.2	0.0			
			SLV Y	I	4.7	0.7	5.7	0.0	12.9	2.2		SLU 2	I	0.2	-0.0	-5.7	-0.0	-4.6	-0.0		
	J			J	4.7	0.7	10.1	0.0	12.4	1.9		J	0.2	-0.0	6.1	-0.0	-5.5	0.0			
			SLE ra~1	I	1.0	-0.0	-1.5	0.0	-0.7	-0.0		SLU 3	I	0.2	-0.0	-4.5	-0.0	-3.6	-0.0		
	J			J	1.0	-0.0	5.7	0.0	-11.0	-0.0		J	0.2	-0.0	4.9	-0.0	-4.5	0.0			
			SLE ra~2	I	1.1	-0.0	-2.2	0.0	-1.2	-0.0		SLV X	I	1.8	0.0	-0.4	0.0	1.0	0.0		
	J			J	1.1	-0.0	6.9	0.0	-12.9	-0.0		J	1.8	0.0	1.2	0.0	-0.4	0.0			
			SLErar~1	I	0.9	-0.0	-1.6	0.0	-0.8	-0.0		SLV Y	I	0.6	0.1	-0.6	0.0	0.1	0.1		
	J			J	0.9	-0.0	5.6	0.0	-10.6	0.0		J	0.6	0.1	0.9	0.0	-0.6	0.1			
			SLE freq	I	0.9	-0.0	-1.5	0.0	-0.7	-0.0		SLE ra~1	I	0.1	-0.0	-2.9	-0.0	-2.2	-0.0		
	J			J	0.9	-0.0	5.2	0.0	-10.0	-0.0		J	0.1	-0.0	3.1	-0.0	-2.9	0.0			
			SLE qp	I	0.7	0.0	-0.8	0.0	-0.2	0.0		SLE ra~2	I	0.1	-0.0	-3.8	-0.0	-3.1	-0.0		
	J			J	0.7	0.0	3.6	0.0	-7.0	-0.0		J	0.1	-0.0	4.1	-0.0	-3.8	0.0			
3169	I	20	SLU 1	I	12.8	-0.0	-22.8	0.0	-22.8	-0.0	SLErar~1	I	0.1	-0.0	-3.1	-0.0	-2.4	-0.0			
	J			J	12.8	-0.0	-0.6	0.0	-6.7	0.0		J	0.1	-0.0	3.3	-0.0	-3.0	0.0			
			SLU 2	I	12.0	-0.0	-19.5	0.0	-20.8	-0.0	SLE freq	I	0.1	-0.0	-2.4	-0.0	-1.8	-0.0			
	J			J	12.0	-0.0	-2.0	0.0	-6.0	0.0		J	0.1	-0.0	2.6	-0.0	-2.3	0.0			
			SLU 3	I	11.0	-0.0	-17.1	0.0	-17.5	-0.0	SLE qp	I	0.1	0.0	-0.7	-0.0	-0.3	0.0			
	J			J	11.0	-0.0	-0.1	0.0	-5.6	0.0		J	0.1	0.0	0.8	-0.0	-0.7	-0.0			
			SLV X	I	6.7	2.7	0.9	0.0	5.4	2.0	3171	I	20	SLU 1	I	12.7	0.0	7.3	-0.0	-6.7	0.0
	J			J	6.7	2.7	11.8	0.0	-2.8	1.7		J	12.7	0.0	30.2	-0.0	-32.5	-0.0			
			SLV Y	I	8.4	1.3	27.2	0.0	41.9	1.1		SLU 2	I	12.0	0.0	8.7	-0.0	-6.0	0.0		
	J			J	8.4	1.3	38.1	0.0	-3.0	0.7		J	12.0	0.0	26.9	-0.0	-30.5	-0.0			
			SLE ra~1	I	8.6	-0.0	-15.3	0.0	-15.4	-0.0		SLU 3	I	11.0	0.0	8.4	-0.0	-5.6	0.0		
	J			J	8.6	-0.0	-0.5	0.0	-4.5	0.0		J	11.0	0.0	26.4	-0.0	-29.6	-0.0			
			SLE ra~2	I	8.1	-0.0	-13.1	0.0	-14.1	-0.0		SLV X	I	6.7	2.7	12.9	0.0	-2.8	1.7		
	J			J	8.1	-0.0	-1.4	0.0	-4.1	0.0		J	6.7	2.7	23.8	0.0	5.4	2.0			



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Stazione di Catenanuova
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				SLV Y	I	8.4	1.3	39.2	0.0	-3.0	0.7					SLU 2	I	-0.0	0.0	-3.9	0.0	-3.5	0.0	
					J	8.4	1.3	50.1	0.0	41.9	1.1						J	-0.0	0.0	3.9	0.0	-3.6	-0.0	
				SLE ra~1	I	8.6	0.0	4.9	-0.0	-4.5	0.0					SLU 3	I	-0.0	0.0	-3.5	0.0	-3.2	0.0	
					J	8.6	0.0	20.3	-0.0	-21.9	-0.0					J	-0.0	0.0	3.5	0.0	-3.2	-0.0		
				SLE ra~2	I	8.1	0.0	5.8	-0.0	-4.1	0.0					SLV X	I	3.4	0.6	-0.7	0.0	-0.4	1.6	
					J	8.1	0.0	18.1	-0.0	-20.5	-0.0					J	3.4	0.6	0.8	0.0	-0.5	1.6		
				SLErar~1	I	7.5	0.0	5.7	-0.0	-3.8	0.0					SLV Y	I	2.0	0.2	-0.7	0.0	-0.5	0.6	
					J	7.5	0.0	17.7	-0.0	-19.9	-0.0					J	2.0	0.2	0.8	0.0	-0.5	0.6		
				SLE freq	I	6.8	0.0	3.6	-0.0	-3.6	0.0					SLE ra~1	I	-0.0	0.0	-2.2	0.0	-2.0	0.0	
					J	6.8	0.0	15.2	-0.0	-16.5	-0.0					J	-0.0	0.0	2.2	0.0	-2.0	-0.0		
				SLE qp	I	5.2	0.0	0.5	-0.0	-3.1	0.0					SLE ra~2	I	-0.0	0.0	-2.7	0.0	-2.4	0.0	
					J	5.2	0.0	11.5	-0.0	-11.3	-0.0					J	-0.0	0.0	2.7	0.0	-2.4	-0.0		
3172	1	20	SLU 1	I	0.0	-0.0	28.7	-0.0	23.2	-0.0					SLERar~1	I	-0.0	0.0	-2.4	0.0	-2.2	0.0		
					J	0.0	-0.0	7.1	-0.0	-0.0	-0.0					J	-0.0	0.0	2.4	0.0	-2.2	-0.0		
				SLU 2	I	0.0	-0.0	25.4	-0.0	21.9	-0.0					SLE freq	I	-0.0	0.0	-1.8	0.0	-1.6	0.0	
					J	0.0	-0.0	8.3	-0.0	-0.0	-0.0					J	-0.0	0.0	1.8	0.0	-1.6	-0.0		
				SLU 3	I	0.0	-0.0	24.4	-0.0	20.7	-0.0					SLE qp	I	0.0	0.0	-0.8	0.0	-0.7	0.0	
					J	0.0	-0.0	7.5	-0.0	-0.0	-0.0					J	0.0	0.0	0.8	0.0	-0.7	-0.0		
				SLV X	I	1.0	3.5	12.9	0.0	10.1	1.4			3174	1	20	SLU 1	I	-0.0	-0.0	-31.7	0.0	19.9	-0.0
					J	1.0	3.5	2.6	0.0	0.0	3.1					J	-0.0	-0.0	-52.5	0.0	74.6	0.0		
				SLV Y	I	3.3	1.3	14.0	0.0	11.5	0.5					SLU 2	I	-0.0	-0.0	-31.1	0.0	18.6	-0.0	
					J	3.3	1.3	3.7	0.0	0.0	1.1					J	-0.0	-0.0	-47.5	0.0	69.6	0.0		
				SLE ra~1	I	0.0	-0.0	19.3	-0.0	15.7	-0.0					SLU 3	I	-0.0	-0.0	-26.6	0.0	16.5	-0.0	
					J	0.0	-0.0	4.9	-0.0	-0.0	-0.0					J	-0.0	-0.0	-42.6	0.0	61.5	0.0		
				SLE ra~2	I	0.0	-0.0	17.1	-0.0	14.9	-0.0					SLV X	I	2.8	9.1	-11.2	0.0	10.1	3.0	
					J	0.0	-0.0	5.7	-0.0	-0.0	-0.0					J	2.8	9.1	-21.5	0.0	37.2	8.9		
				SLErar~1	I	0.0	-0.0	16.4	-0.0	14.0	-0.0					SLV Y	I	9.1	3.2	-9.9	0.0	11.5	1.1	
					J	0.0	-0.0	5.2	-0.0	-0.0	-0.0					J	9.1	3.2	-20.2	0.0	40.3	3.1		
				SLE freq	I	0.0	-0.0	14.9	-0.0	12.2	-0.0					SLE ra~1	I	-0.0	-0.0	-21.5	0.0	13.5	-0.0	
					J	0.0	-0.0	4.0	-0.0	-0.0	-0.0					J	-0.0	-0.0	-35.4	0.0	50.4	0.0		
				SLE qp	I	0.0	-0.0	12.1	-0.0	9.1	-0.0					SLE ra~2	I	-0.0	-0.0	-21.1	0.0	12.6	-0.0	
					J	0.0	-0.0	1.8	-0.0	-0.0	-0.0					J	-0.0	-0.0	-32.0	0.0	47.1	0.0		
3173	1	8	SLU 1	I	-0.0	0.0	-3.2	0.0	-2.9	0.0					SLERar~1	I	-0.0	-0.0	-18.1	0.0	11.2	-0.0		
					J	-0.0	0.0	3.2	0.0	-3.0	-0.0					J	-0.0	-0.0	-28.8	0.0	41.7	0.0		



DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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SLE freq I -0.0 -0.0 -17.3 0.0 10.8 -0.0

J -0.0 -0.0 -27.9 0.0 40.2 0.0

SLE qp I -0.0 -0.0 -13.5 0.0 9.1 -0.0

J -0.0 -0.0 -23.8 0.0 33.3 0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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BEAM ELEMENT FORCES & MOMENTS MIN/MAX SUMMARY BY
PROPERTY PRINTOUT Unit System : kN , m

[SECTION NAME : TRAVE IPE 240 , SECTION ID : 8 , SECTION SHAPE : H]

[SECTION SIZE] H:0.24 B1:0.12 tw:0.0062 tf1:0.0098 B2:0 tf2:0

** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION
MOMENT-y	MOMENT-z	LENGTH					

3129	AXL	SLV X	1 J	4.9	2.8	1.4	-0.0	0.0	3.9	2.80
3141	SHY	SLV X	1 I	4.9	2.8	1.2	-0.0	0.0	4.0	2.80
2868	SHZ	SLU 2	1 J	0.1	-0.0	7.2	0.0	-7.5	0.0	5.00
3131	TOR	SLU 1	1 J	-0.0	-0.0	1.8	0.0	-0.0	0.0	2.80
3133	MTY	SLV X	1 I	2.8	2.0	0.7	-0.0	3.3	2.7	2.80
3127	MTZ	SLV X	1 J	4.9	2.8	1.4	0.0	0.0	4.0	2.80

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION
MOMENT-y	MOMENT-z	LENGTH					

3173	AXL	SLU 3	1 J	-0.0	0.0	3.5	0.0	-3.2	-0.0	5.00
3143	SHY	SLU 2	1 I	0.1	-0.0	-0.7	0.0	0.0	-0.0	2.80
3115	SHZ	SLU 2	1 I	0.1	0.0	-7.2	-0.0	-7.5	0.0	5.00
3145	TOR	SLU 1	1 I	-0.0	0.0	-1.8	-0.0	-0.0	0.0	2.80
2827	MTY	SLU 2	1 J	0.1	0.0	6.7	-0.0	-8.8	-0.0	5.00
3143	MTZ	SLU 2	1 I	0.1	-0.0	-0.7	0.0	0.0	-0.0	2.80

[SECTION NAME : TRAVI IPE 300 , SECTION ID : 20 , SECTION SHAPE : H]

[SECTION SIZE] H:0.3 B1:0.15 tw:0.0071 tf1:0.0107 B2:0 tf2:0

** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION
MOMENT-y	MOMENT-z	LENGTH					

2778	AXL	SLU 1	1 I	12.8	0.0	-22.8	-0.0	-22.8	0.0	1.38
3106	SHY	SLV X	1 I	6.1	10.0	26.5	0.0	36.7	9.3	1.30
3160	SHZ	SLU 1	1 I	0.0	0.0	60.6	-0.0	88.1	0.0	1.30
3158	TOR	SLU 1	1 I	0.0	-0.0	3.2	0.0	3.3	-0.0	1.30
3160	MTY	SLU 1	1 I	0.0	0.0	60.6	-0.0	88.1	0.0	1.30

* LENGTH : the length between two nodes

[SECTION NAME : COLONNE HEB 340 , SECTION ID : 2 , SECTION SHAPE : H]

[SECTION SIZE] H:0.34 B1:0.3 tw:0.012 tf1:0.0215 B2:0 tf2:0

** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION
MOMENT-y	MOMENT-z	LENGTH					

3111	AXL	SLV Y	1 J	8.8	6.1	20.0	0.0	73.5	22.9	6.20
3166	SHY	SLV X	1 I	-26.6	23.8	12.0	0.0	37.2	76.0	6.20
3110	SHZ	SLV Y	1 J	8.8	6.1	29.1	0.0	35.2	22.9	6.20
3110	TOR	SLV Y	1 J	8.8	6.1	29.1	0.0	35.2	22.9	6.20
3110	MTY	SLV Y	1 I	0.6	6.1	29.1	0.0	106.6	20.6	6.20
3166	MTZ	SLV X	1 I	-26.6	23.8	12.0	0.0	37.2	76.0	6.20

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION
MOMENT-y	MOMENT-z	LENGTH					

3110	AXL	SLU 1	1 I	-126.1	-2.1	11.0	0.0	19.9	-4.2	6.20
3110	SHY	SLU 2	1 J	-111.1	-2.3	10.6	0.0	-46.6	9.5	6.20
2767	SHZ	SLU 1	1 J	-81.9	-0.3	-12.8	0.0	51.8	1.3	6.20
3111	TOR	SLU 3	1 J	-75.8	-1.5	-9.6	-0.0	37.9	6.1	6.20
3166	MTY	SLU 1	1 J	-101.1	0.4	12.7	-0.0	-55.5	-1.8	6.20
2787	MTZ	SLU 2	1 I	-111.1	-2.3	10.6	-0.0	46.6	-9.5	6.20



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PROGETTO DEFINITIVO
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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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3106 MTZ SLV X 1 I 6.1 10.0 26.5 0.0 36.7 9.3 1.30

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-z TORSION
MOMENT-y MOMENT-z LENGTH

BEAM ELEMENT STRESSES DEFAULT PRINTOUT
System : kN , m Unit

3118 AXL SLU 2 1 J -0.0 -0.1 -44.5 -0.0 61.9 0.1 1.30
3118 SHY SLU 2 1 I -0.0 -0.1 -28.1 -0.0 14.8 -0.0 1.30
2929 SHZ SLU 1 1 J -0.0 0.0 -52.5 -0.0 74.6 -0.0 1.30
3152 TOR SLU 1 1 I 0.0 0.0 3.2 -0.0 3.3 0.0 1.30
2979 MTY SLU 1 1 J 12.4 -0.0 30.9 -0.0 -32.7 0.0 1.38
3150 MTZ SLU 2 1 I 0.0 -0.1 5.6 -0.0 9.6 -0.1 1.30

ELEM MAT SEC LC PT AXIAL SHEAR-y SHEAR-z (+y)-
BENDING(-y) (+z)-BENDING(-z)

[SECTION NAME : TRAVE UPN 300 , SECTION ID : 34 , SECTION SHAPE :
2C]

[SECTION SIZE] H:0.3 B:0.1 tw:0.01 tf:0.015 C:0.14

** MAX

ELEM COM LC PT AXIAL SHEAR-y SHEAR-z TORSION
MOMENT-y MOMENT-z LENGTH

2762 1 20 SLU 1 I 0.3 -11.8 30762.8 257.4 -257.4 -158058.3
158058.3
J 0.3 -11.8 19831.4 -151.7 151.7 -41719.1 41719.1
SLU 2 I 0.3 -13.4 28198.8 293.0 -293.0 -149131.7
149131.7
J 0.3 -13.4 19532.7 -170.9 170.9 -39375.1 39375.1
SLU 3 I 0.4 -11.7 26751.0 253.7 -253.7 -140551.9
140551.9
J 0.4 -11.7 18204.6 -152.0 152.0 -37178.3 37178.3
SLV X I 518.0 4256.4 13185.3 110294.0 110083.3 -52639.3
66799.9
J 518.0 4256.4 7964.6 37474.0 37589.9 -14382.4
18166.6
SLV Y I 1697.7 1498.9 13845.1 39025.3 38814.7 -47052.2
72387.1
J 1697.7 1498.9 8624.4 13150.2 13266.1 -11829.5
20719.5
SLE ra~1 I 0.2 -8.2 20703.1 179.9 -179.9 -106613.2
106613.2
J 0.2 -8.2 13388.2 -105.6 105.6 -28221.7 28221.7
SLE ra~2 I 0.2 -9.3 18993.8 203.6 -203.6 -100662.1
100662.1
J 0.2 -9.3 13189.1 -118.5 118.5 -26659.1 26659.1
SLE ra~1 I 0.3 -8.2 18028.6 177.4 -177.4 -94942.3
94942.3
J 0.3 -8.2 12303.7 -105.9 105.9 -25194.5 25194.5
SLE freq I 0.1 -7.1 15873.4 157.0 -157.0 -82240.3
82240.3
J 0.1 -7.1 10331.2 -90.4 90.4 -21984.0 21984.0

2765 AXL SLV X 1 I 12.1 1.3 15.0 0.0 45.7 3.0 5.00
3124 SHY SLV X 1 I 11.5 4.5 5.6 0.0 0.0 7.1 2.80
3161 SHZ SLV X 1 J 12.1 1.3 22.1 0.0 45.7 3.1 5.00
3136 TOR SLV Y 1 I 3.5 2.7 -1.8 0.0 -1.5 3.8 2.80
2764 MTY SLV X 1 I 12.1 1.3 15.0 0.0 45.7 3.1 5.00
3124 MTZ SLV X 1 I 11.5 4.5 5.6 0.0 0.0 7.1 2.80

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-z TORSION
MOMENT-y MOMENT-z LENGTH

3122 AXL SLU 2 1 J -0.1 -0.0 16.7 0.0 -33.9 0.1 2.80
3122 SHY SLU 1 1 I -0.1 -0.0 6.9 0.0 0.0 -0.0 2.80
3134 SHZ SLU 2 1 I -0.1 0.0 -16.7 -0.0 -33.9 0.1 2.80
3124 TOR SLU 1 1 J -0.1 0.0 10.6 -0.0 -22.1 -0.0 2.80
3134 MTY SLU 2 1 I -0.1 0.0 -16.7 -0.0 -33.9 0.1 2.80
2764 MTZ SLU 3 1 J 1.9 0.0 4.1 0.0 -2.5 -0.1 5.00



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 127 di 212
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59719.6	SLE qp	I	-0.0	-4.7	12057.2	105.3	-105.3	-59719.6	38577.1	J	1061.6	52.9	3817.1	5061.1	5052.7	38970.4	
	J		-0.0	-4.7	6836.5	-57.9	57.9	-16274.5	12069.9	SLV Y	I	411.1	27.3	584.4	2614.4	2662.5	25701.4
2763 2.7	I 20 SLU 1	I	-0.2	0.4	-2473.2	-46.2	46.2	2.7	12545.8	J	411.1	27.3	1448.8	3129.7	3121.3	12939.1	
	J		-0.2	0.4	-13048.5	-32.4	32.4	-35685.5	14528.8	SLE ra~1	I	114.3	0.7	-1561.2	-71.2	71.2	14528.8
	SLU 2	I	-0.2	0.3	-3096.1	-49.9	49.9	2.2		J	114.3	0.7	489.6	50.0	-50.0	1348.2	-1348.2
	J		-0.2	0.3	-11406.3	-39.8	39.8	-33342.3	16371.9	SLE ra~2	I	125.7	0.7	-1799.4	-69.9	69.9	16371.9
	SLU 3	I	-0.2	0.5	-2395.1	-48.4	48.4	2.2		J	125.7	0.7	621.7	50.0	-50.0	1886.4	-1886.4
0.9	J		-0.2	0.5	-10496.9	-29.7	29.7	-29639.7	15056.7	SLE ra~1	I	116.3	0.8	-1648.8	-74.7	74.7	15056.7
18164.4	SLV X	I	188.3	1633.4	-516.3	39068.3	39095.5	2.9		J	116.3	0.8	559.7	60.3	-60.3	1659.6	-1659.6
	J		188.3	1633.4	-5736.5	17532.6	17568.8	-14377.6	12076.0	SLE freq	I	95.0	0.5	-1305.9	-51.4	51.4	12076.0
0.3	SLV Y	I	613.0	591.1	38.4	14002.2	14029.4	2.3		J	95.0	0.5	415.8	32.6	-32.6	1127.9	-1127.9
20715.8	J		613.0	591.1	-5181.8	6492.9	6529.1	-11826.2	6815.7	SLE qp	I	57.3	0.2	-701.3	-24.0	24.0	6815.7
	SLE ra~1	I	-0.1	0.2	-1724.1	-31.8	31.8	1.8		J	57.3	0.2	163.1	4.2	-4.2	196.6	-196.6
	J		-0.1	0.2	-8801.6	-23.2	23.2	-24199.3	2765 15220.6	I 34 SLU 1	I	123.4	0.3	-1583.1	9.5	-9.5	15220.6
	SLE ra~2	I	-0.1	0.2	-2139.4	-34.3	34.3	1.5		J	123.4	0.3	417.3	55.6	-55.6	880.1	-880.1
	J		-0.1	0.2	-7706.8	-28.1	28.1	-22637.2	17985.4	SLU 2	I	140.5	0.3	-1940.4	7.4	-7.4	17985.4
	SLE ra~1	I	-0.1	0.3	-1672.0	-33.2	33.2	1.4		J	140.5	0.3	615.5	55.7	-55.7	1687.6	-1687.6
	J		-0.1	0.3	-7100.5	-21.4	21.4	-20168.8	14576.2	SLU 3	I	116.2	0.5	-1548.6	-9.5	9.5	14576.2
	SLE freq	I	-0.1	0.1	-1537.2	-25.3	25.3	1.3		J	116.2	0.5	451.8	72.7	-72.7	1084.0	-1084.0
	J		-0.1	0.1	-6931.0	-22.6	22.6	-19469.1	44290.9	SLV X	I	1061.7	52.5	2951.8	4262.3	4214.2	57921.6
2764 -20967.3	I 34 SLU 1	I	165.0	1.1	-2247.1	-105.7	105.7	20967.3	38572.4	J	1061.7	52.5	3816.3	5050.8	5059.1	38967.1	
	J		165.0	1.1	699.4	74.7	-74.7	1930.4	12056.1	SLV Y	I	411.1	27.0	583.5	2660.3	2612.2	25686.8
23731.9	SLU 2	I	182.1	1.0	-2604.4	-103.7	103.7	23731.9	12539.3	J	411.1	27.0	1448.0	3120.2	3128.5	12934.0	
	J		182.1	1.0	897.6	74.7	-74.7	2737.7	10697.7	SLE ra~1	I	86.5	0.2	-1118.5	7.1	-7.1	10697.7
21759.1	SLU 3	I	168.1	1.2	-2378.6	-110.8	110.8	21759.1		J	86.5	0.2	301.6	36.9	-36.9	648.1	-648.1
	J		168.1	1.2	804.5	90.1	-90.1	2397.5	12540.9	SLE ra~2	I	98.0	0.2	-1356.7	5.7	-5.7	12540.9
44297.5	SLV X	I	1061.6	52.9	2952.6	4221.2	4269.3	57929.0									



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
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PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	128 di 212

	J	98.0	0.2	433.7	36.9	-36.9	1186.4	-1186.4			J	-3071.2	-28.5	1779.9	-1561.5	1561.5	13578.9	-		
10268.1	SLErar~1	I	81.7	0.3	-1095.5	-5.6	5.6	10268.1	-	13578.9		SLE qp	I	-2698.0	-17.2	1372.2	481.5	-481.5	-4795.3	
	J	81.7	0.3	324.5	48.3	-48.3	784.0	-784.0		4795.3		J	-2220.7	-17.2	1372.2	-943.8	943.8	10172.7	-	
9681.5	SLE freq	I	77.6	0.1	-1029.2	11.3	-11.3	9681.5	-	10172.7										
	J	77.6	0.1	298.3	21.7	-21.7	690.6	-690.6		2767	1	2	SLU 1	I	-5435.9	-37.4	-3365.2	1043.2	-1043.2	12682.3
6815.4	SLE qp	I	57.2	-0.2	-701.3	24.0	-24.0	6815.4	-	-12682.3		J	-4791.6	-37.4	-3365.2	-2045.4	2045.4	-24026.9		
	J	57.2	-0.2	163.3	-4.2	4.2	197.4	-197.4		24026.9										
2766	1	2	SLU 1	I	-6556.8	-49.6	3350.0	1385.6	-1385.6	-10786.8										
10786.8										12030.6		SLU 2	I	-5083.9	-42.5	-3178.8	1185.6	-1185.6	12030.6	-
25755.9	J	-5912.4	-49.6	3350.0	-2715.9	2715.9	25755.9	-		22644.9		J	-4439.5	-42.5	-3178.8	-2324.5	2324.5	-22644.9		
10135.2	SLU 2	I	-6204.6	-54.7	3163.5	1528.0	-1528.0	-10135.2		11316.2		SLU 3	I	-4535.1	-35.2	-2908.5	981.4	-981.4	11316.2	-
24373.6	J	-5560.3	-54.7	3163.5	-2995.0	2995.0	24373.6	-		20411.2		J	-3890.7	-35.2	-2908.5	-1924.3	1924.3	-20411.2		
8947.4	SLU 3	I	-5936.0	-50.5	2889.5	1409.0	-1409.0	-8947.4		7667.9		SLV X	I	-1553.8	2724.3	412.3	117596.7	116634.6	17259.8	
22572.1	J	-5291.7	-50.5	2889.5	-2761.8	2761.8	22572.1	-		17174.4		J	-1076.5	2724.3	412.3	108573.1	110459.4	-3170.2		
17261.8	SLV X	I	-1554.0	2724.4	3157.1	117601.4	116638.3	7671.2		35998.2		SLV Y	I	-208.2	817.1	4359.9	35946.6	34984.4	45590.0	
-3168.7	J	-1076.7	2724.4	3157.1	108577.4	110464.9	17176.8			31906.0		J	269.1	817.1	4359.9	32561.5	34447.8	11561.4		
45590.1	SLV Y	I	-208.6	817.2	7104.4	35949.3	34986.3	35999.5		8562.4		SLE ra~1	I	-3719.4	-26.2	-2274.3	731.0	-731.0	8562.4	-
11561.4	J	268.6	817.2	7104.4	32564.8	34452.4	31906.9			16246.0		J	-3242.2	-26.2	-2274.3	-1433.3	1433.3	-16246.0		
7298.7	SLE ra~1	I	-4466.7	-34.3	2264.1	959.3	-959.3	-7298.7		8128.0		SLE ra~2	I	-3484.7	-29.6	-2150.0	825.9	-825.9	8128.0	-
17398.7	J	-3989.4	-34.3	2264.1	-1880.3	1880.3	17398.7	-		15324.7		J	-3007.5	-29.6	-2150.0	-1619.3	1619.3	-15324.7		
6864.4	SLE ra~2	I	-4231.9	-37.7	2139.8	1054.2	-1054.2	-6864.4		7651.7		SLErar~1	I	-3118.9	-24.7	-1969.8	689.8	-689.8	7651.7	-
16477.2	J	-3754.7	-37.7	2139.8	-2066.4	2066.4	16477.2	-		13835.6		J	-2641.6	-24.7	-1969.8	-1352.5	1352.5	-13835.6		
6072.5	SLErar~1	I	-4052.8	-34.9	1957.1	974.9	-974.9	-6072.5		6626.7		SLE freq	I	-3081.5	-23.4	-1786.3	653.9	-653.9	6626.7	-
15276.2	J	-3575.5	-34.9	1957.1	-1910.9	1910.9	15276.2	-		12858.5		J	-2604.2	-23.4	-1786.3	-1281.9	1281.9	-12858.5		
5836.7	SLE freq	I	-3548.5	-28.5	1779.9	796.7	-796.7	-5836.7		4795.9		SLE qp	I	-2697.8	-17.2	-1372.2	481.1	-481.1	4795.9	-
										10172.3		J	-2220.5	-17.2	-1372.2	-943.1	943.1	-10172.3		



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2770 I 20 SLU 1 I 2037.2 9.2 -12018.0 -79.0 79.0 38327.5 -38327.5						J 2046.5 9.4 -56.0 216.1 -216.1 10086.2 -10086.2
						SLV X I 1241.4 1272.8 438.6 25381.2 25596.0 50414.8
		J 2037.2 9.2 -770.4 259.0 -259.0 7111.5 -7111.5	9748.2			
35221.0		SLU 2 I 1950.0 11.5 -10332.5 -124.0 124.0 35221.0 -				J 1241.4 1272.8 5980.6 21244.3 21037.6 5920.8 -
			5056.0			
6396.8		J 1950.0 11.5 -1476.0 300.6 -300.6 6396.8 -				SLV Y I 1569.7 613.2 13791.1 14016.3 14231.0 115903.2
			75236.6			
29336.2		SLU 3 I 1779.8 7.8 -9081.0 -43.8 43.8 29336.2 -				J 1569.7 613.2 19333.1 8337.5 8130.8 5618.3 -
			5358.5			
		J 1779.8 7.8 -459.3 243.0 -243.0 6048.8 -6048.8				SLE ra~1 I 1601.8 7.6 -7766.9 -117.3 117.3 27647.3 -
14211.8			27647.3			
		SLV X I 2301.9 1139.0 858.9 22755.6 22950.5 53665.5				J 1601.8 7.6 -239.5 160.9 -160.9 8104.1 -8104.1
3255.5		J 2301.9 1139.0 6400.8 18966.1 18715.6 3508.8 -				SLE ra~2 I 1514.1 8.5 -6648.5 -134.0 134.0 25265.2 -
			25265.2			
82120.8		SLV Y I 1846.8 758.8 14751.5 17927.3 18122.2 121574.5				J 1514.1 8.5 -715.1 177.5 -177.5 7290.9 -7290.9
3341.9		J 1846.8 758.8 20293.4 9803.4 9552.9 3422.5 -				SLErar~1 I 1386.0 6.7 -5843.5 -94.5 94.5 21294.5 -
			21294.5			
25985.5		SLE ra~1 I 1381.4 6.6 -8093.5 -61.8 61.8 25985.5 -				J 1386.0 6.7 -66.7 151.1 -151.1 6867.7 -6867.7
		J 1381.4 6.6 -566.1 182.5 -182.5 4847.8 -4847.8				SLE freq I 1258.7 7.0 -6139.7 -115.1 115.1 22415.0 -
23914.5						22415.0
		SLE ra~2 I 1323.3 8.2 -6969.8 -91.8 91.8 23914.5 -				J 1258.7 7.0 -402.0 141.0 -141.0 6446.9 -6446.9
		J 1323.3 8.2 -1036.5 210.2 -210.2 4371.4 -4371.4				SLE qp I 968.5 5.7 -5811.8 -107.4 107.4 20333.3 -
19991.3						20333.3
		SLErar~1 I 1209.9 5.7 -6135.5 -38.3 38.3 19991.3 -				J 968.5 5.7 -269.8 103.4 -103.4 5488.4 -5488.4
		J 1209.9 5.7 -358.7 171.8 -171.8 4139.3 -4139.3				2784 I 20 SLU 1 I -0.8 3.1 -781.4 -132.1 132.1 13.8 -
21388.3						13.8
		SLE freq I 1097.0 6.8 -6449.4 -83.9 83.9 21388.3 -				J -0.8 3.1 -11357.8 -24.2 24.2 -27899.8 27899.8
		J 1097.0 6.8 -711.7 166.9 -166.9 3908.2 -3908.2				SLU 2 I -0.8 2.9 -1624.7 -134.8 134.8 13.2 -13.2
19726.9						
		SLE qp I 840.0 6.1 -6119.0 -97.4 97.4 19726.9 -				J -0.8 2.9 -9935.8 -35.5 35.5 -26569.7 26569.7
		J 840.0 6.1 -577.0 125.2 -125.2 3382.2 -3382.2				SLU 3 I -0.8 3.3 -1004.2 -132.7 132.7 11.8 -11.8
						J -0.8 3.3 -9106.8 -19.8 19.8 -23238.1 23238.1
2778 I 20 SLU 1 I 2370.0 10.8 -11562.7 -165.1 165.1 40934.0 -40934.0						SLV X I 445.0 2388.4 369.6 52666.0 52746.1 12.4
			0.3			
		J 2370.0 10.8 -315.1 230.8 -230.8 11940.8 -				J 445.0 2388.4 -4851.1 30054.2 30095.1 -10305.3
11940.8			16048.1			
		SLU 2 I 2238.5 12.1 -9885.1 -190.2 190.2 37360.7 -				SLV Y I 731.6 927.5 173.6 20478.5 20558.5 11.7 -
37360.7			0.4			
		J 2238.5 12.1 -1028.6 255.6 -255.6 10721.0 -				J 731.6 927.5 -5047.1 11598.0 11638.9 -11206.2
10721.0			15147.2			
		SLU 3 I 2046.5 9.4 -8677.7 -130.9 130.9 31404.7 -				SLE ra~1 I -0.6 2.1 -597.2 -90.0 90.0 9.4 -9.4
31404.7						
						J -0.6 2.1 -7675.4 -18.3 18.3 -19013.0 19013.0



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Stazione di Catenanuova
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2812 143673.5	1	20	SLU 1	I	-2.5	-22.9	29217.8	496.5	-496.5	-143673.5	3112.3	SLV X	I	684.7	15.9	632.5	1320.0	1320.3	4917.6		
				J	-2.5	-22.9	18286.3	-297.0	297.0	-34439.8		J	684.7	15.9	1711.5	1329.6	1329.2	22089.7	9268.2		
137009.8			SLU 2	I	-2.6	-25.0	26925.2	540.6	-540.6	-137009.8	302.2	SLV Y	I	213.8	52.8	-8.5	4386.4	4386.8	2107.5		
				J	-2.6	-25.0	18259.2	-324.8	324.8	-33110.2		J	213.8	52.8	1070.5	4418.7	4418.3	11116.3	-		
129660.2			SLU 3	I	-2.3	-21.6	25635.4	463.4	-463.4	-129660.2	1705.1	SLE ra~1	I	20.9	0.7	-1774.0	-54.6	54.6	6885.4	-	
				J	-2.3	-21.6	17088.9	-285.5	285.5	-31417.5		J	20.9	0.7	2554.6	56.1	-56.1	15278.7	-15278.7		
42380.6	65805.5		SLV X	I	1141.7	4619.8	13432.0	115801.0	115367.8	-	9512.7	SLE ra~2	I	24.3	0.7	-2435.5	-54.6	54.6	9512.7	-	
16037.5				J	1141.7	4619.8	8211.3	44783.9	45025.5	-10306.0		J	24.3	0.7	3274.9	56.2	-56.2	18538.3	-18538.3		
62235.6			SLV Y	I	2012.8	1800.1	12851.5	45356.3	44923.1	-45950.5	7491.0	SLErar~1	I	21.3	0.8	-1930.1	-68.2	68.2	7491.0	-	
15137.8				J	2012.8	1800.1	7630.8	17482.5	17724.1	-11205.6		J	21.3	0.8	2692.8	70.1	-70.1	15690.7	-15690.7		
97171.1			SLE ra~1	I	-1.7	-15.9	19704.3	344.7	-344.7	-97171.1	5481.2	SLE freq	I	18.4	0.4	-1427.8	-34.2	34.2	5481.2	-	
				J	-1.7	-15.9	12389.4	-206.0	206.0	-23372.9		J	18.4	0.4	2114.0	35.2	-35.2	12859.8	-12859.8		
92728.7			SLE ra~2	I	-1.8	-17.3	18176.0	374.1	-374.1	-92728.7		SLE qp	I	11.7	0.0	-283.4	-0.2	0.2	902.6	-902.6	
				J	-1.8	-17.3	12371.3	-224.5	224.5	-22486.4		J	11.7	0.0	795.7	0.2	-0.2	6410.7	-6410.7		
87829.0			SLErar~1	I	-1.6	-15.0	17316.1	322.7	-322.7	-87829.0	2847	1	20	SLU 1	I	2369.8	-17.9	3682.7	286.6	-286.6	11940.6
				J	-1.6	-15.0	11591.1	-198.4	198.4	-21358.0		J	2369.8	-17.9	15330.5	-372.3	372.3	58351.1	-		
75440.6			SLE freq	I	-1.4	-13.6	15189.7	297.6	-297.6	-75440.6	58351.1	SLU 2	I	2238.3	-19.3	4395.9	311.5	-311.5	10720.8	-	
				J	-1.4	-13.6	9647.4	-175.6	175.6	-18328.6		J	2238.3	-19.3	13652.5	-397.5	397.5	54776.1	-		
54093.1			SLE qp	I	-1.0	-9.7	11508.4	216.6	-216.6	-54093.1	10720.8	SLU 3	I	2046.1	-18.3	4264.5	285.7	-285.7	10086.0	-	
				J	-1.0	-9.7	6287.7	-120.8	120.8	-13171.7		J	2046.1	-18.3	13386.2	-389.5	389.5	53170.7	-		
2827	1	8	SLU 1	I	29.7	1.0	-2609.8	-81.9	81.9	10166.3	53170.7	SLV X	I	1241.3	1260.6	6520.4	21238.5	21031.3	5920.9		
10166.3				J	29.7	1.0	3721.3	84.2	-84.2	22117.8		J	1241.3	1260.6	12062.4	25360.0	25576.2	50416.0			
14107.3			SLU 2	I	34.9	1.0	-3602.0	-81.9	81.9	14107.3	-5055.9	SLV Y	I	1569.5	601.5	19873.4	8335.1	8127.9	5618.3		
				J	34.9	1.0	4801.7	84.2	-84.2	27007.2		J	1569.5	601.5	25415.4	14009.0	14225.2	115907.2			
11074.8			SLU 3	I	30.4	1.2	-2844.0	-102.2	102.2	11074.8	9738.9	SLE ra~1	I	1601.6	-12.3	2484.6	198.1	-198.1	8104.0	-	
				J	30.4	1.2	3928.5	105.1	-105.1	22735.8		J	1601.6	-12.3	2484.6	198.1	-198.1	8104.0	-		



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39258.7	J	1601.6	-12.3	10278.7	-255.5	255.5	39258.7	-	4137.9	SLErar~1	I	1209.5	-16.0	3296.9	267.4	-267.4	4137.9	-	
7290.7	SLE ra~2	I	1513.9	-13.2	2960.0	214.7	-214.7	7290.7	-	35148.0	J	1209.5	-16.0	9407.1	-322.4	322.4	35148.0	-	
36875.4	J	1513.9	-13.2	9160.1	-272.3	272.3	36875.4	-	3907.6	SLE freq	I	1096.8	-12.0	2180.7	214.9	-214.9	3907.6	-	
6867.5	SLEErar~1	I	1385.8	-12.6	2872.4	197.5	-197.5	6867.5	-	28965.8	J	1096.8	-12.0	8085.0	-226.6	226.6	28965.8	-	
35805.1	J	1385.8	-12.6	8982.6	-267.0	267.0	35805.1	-	3382.3	SLE qp	I	839.9	-6.1	576.8	125.6	-125.6	3382.3	-	
6446.8	SLE freq	I	1258.6	-10.0	1805.5	164.4	-164.4	6446.8	-	13600.0	J	839.9	-6.1	6118.8	-98.4	98.4	19725.8	-19725.8	
29673.2	J	1258.6	-10.0	7709.8	-201.8	201.8	29673.2	-	2868	1 8 SLU 1	I	27.7	-0.7	-3690.8	58.1	-58.1	13600.0	-	
5488.4	SLE qp	I	968.5	-5.8	270.9	103.6	-103.6	5488.4	-	17395.4	J	27.7	-0.7	4078.6	-66.7	66.7	17769.3	-17769.3	
2849	J	968.5	-5.8	5812.8	-108.1	108.1	20338.5	-20338.5	-	15235.5	J	30.1	-0.9	5129.8	-77.6	77.6	22982.8	-22982.8	
-7109.8	1 20 SLU 1	I	2036.8	-21.6	4296.3	373.9	-373.9	7109.8	-	15235.5	SLU 3	I	27.1	-0.6	-4053.0	46.4	-46.4	15235.5	-
56515.5	J	2036.8	-21.6	15944.0	-420.3	420.3	56515.5	-	631.3	J	27.1	-0.6	4555.7	-54.9	54.9	20639.6	-20639.6		
6395.2	SLU 2	I	1949.6	-23.9	5001.6	415.5	-415.5	6395.2	-	631.3	SLV X	I	913.6	554.0	145.3	46665.2	46589.3	3245.5	
53407.5	J	1949.6	-23.9	14258.1	-465.5	465.5	53407.5	-	8539.4	J	913.6	554.0	1224.3	45744.4	45826.4	14152.4	-		
6046.6	SLU 3	I	1779.3	-23.3	4866.7	386.3	-386.3	6046.6	-	-625.5	SLV Y	I	550.1	205.8	-262.3	17362.3	17286.4	1988.8	
52071.5	J	1779.3	-23.3	13988.5	-469.8	469.8	52071.5	-	1171.8	J	550.1	205.8	816.7	17010.3	17092.3	6784.8	-		
-3255.6	SLV X	I	2302.1	1126.6	7549.6	18963.4	18712.3	3509.0	-	9209.1	SLE ra~1	I	19.1	-0.5	-2500.8	41.4	-41.4	9209.1	-
14188.3	J	2302.1	1126.6	13091.6	22747.9	22944.8	53640.0	-	11739.4	J	19.1	-0.5	2786.7	-47.3	47.3	12283.4	-12283.4		
-3341.1	SLV Y	I	1847.0	746.5	21445.9	9800.9	9549.8	3423.4	-	11739.4	SLE ra~2	I	20.8	-0.6	-3113.7	48.2	-48.2	11739.4	-
82114.6	J	1847.0	746.5	26987.9	17922.6	18119.5	121566.3	-	10299.5	J	20.8	-0.6	3487.5	-54.6	54.6	15759.0	-15759.0		
4846.7	SLE ra~1	I	1381.2	-14.9	2916.6	259.1	-259.1	4846.7	-	10299.5	SLEErar~1	I	18.8	-0.4	-2742.3	33.6	-33.6	10299.5	-
38110.7	J	1381.2	-14.9	10710.8	-289.4	289.4	38110.7	-	7048.8	J	18.8	-0.4	3104.8	-39.5	39.5	14196.9	-14196.9		
4370.3	SLE ra~2	I	1323.0	-16.5	3386.8	286.8	-286.8	4370.3	-	7048.8	SLE freq	I	16.1	-0.5	-1923.7	41.0	-41.0	7048.8	-
36038.6	J	1323.0	-16.5	9586.9	-319.6	319.6	36038.6	-	1307.1	J	16.1	-0.5	2196.2	-45.9	45.9	9978.7	-9978.7		
										SLE qp	I	10.5	-0.5	-469.8	38.0	-38.0	1307.1	-	
										J	10.5	-0.5	609.2	-41.0	41.0	2806.5	-2806.5		



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2888 41720.7	1	20	SLU 1	I	0.2	1.0	14537.8	-59.5	59.5	-41720.7	J	445.0	2388.7	882.1	52688.4	52768.8	12.4	0.3	
											SLV Y	I	731.6	926.8	5906.9	11606.2	11647.0	-11205.5	
				J	0.2	1.0	3605.2	-23.2	23.2	2.3	-2.3							15149.1	
39376.4			SLU 2	I	0.2	1.2	12895.2	-66.9	66.9	-39376.4	J	731.6	926.8	686.2	20485.9	20566.4	11.7	-0.4	
				J	0.2	1.2	4228.2	-26.9	26.9	1.9	-1.9							23382.3	
37179.5			SLU 3	I	0.2	1.3	12357.7	-63.6	63.6	-37179.5	J	-0.5	0.3	1429.1	-46.0	46.0	10.4	-10.4	
				J	0.2	1.3	3810.3	-19.4	19.4	1.8	-1.8							22495.5	
18169.0			SLV X	I	188.2	1634.0	6561.6	17541.1	17577.3	-14381.5	J	-0.5	0.5	1991.3	-47.7	47.7	10.0	-10.0	
				J	188.2	1634.0	1340.4	39082.9	39110.5	2.9	0.9							21366.4	
20721.3			SLV Y	I	613.1	591.4	7116.3	6495.2	6531.4	-11829.3	J	-0.5	0.8	1785.5	-35.2	35.2	9.3	-9.3	
				J	613.1	591.4	1895.2	14006.7	14034.3	2.3	0.3							18336.0	
28222.8			SLE ra~1	I	0.1	0.7	9794.4	-41.2	41.2	-28222.8	J	-0.4	0.1	1217.7	-42.1	42.1	8.2	-8.2	
				J	0.1	0.7	2478.7	-16.4	16.4	1.5	-1.5							13177.3	
26659.9			SLE ra~2	I	0.1	0.8	8699.4	-46.2	46.2	-26659.9	J	-0.3	-0.6	256.3	-40.2	40.2	6.0	-6.0	
				J	0.1	0.8	2894.1	-18.9	18.9	1.3	-1.3							2909 7355.9	
25195.3			SLErar~1	I	0.2	0.9	8341.0	-44.0	44.0	-25195.3	J	25.0	1.6	2265.0	139.8	-139.8	8614.8	-8614.8	
				J	0.2	0.9	2615.5	-13.9	13.9	1.2	-1.2							11151.4	
21984.7			SLE freq	I	0.1	0.5	7551.6	-33.9	33.9	-21984.7	J	27.5	1.8	3316.3	150.9	-150.9	13828.6	-13828.6	
				J	0.1	0.5	2008.8	-15.8	15.8	1.1	-1.1							7429.0	
16275.3			SLE qp	I	0.0	0.1	6149.4	-18.1	18.1	-16275.3	J	23.9	1.7	2288.7	146.7	-146.7	9197.1	-9197.1	
				J	0.0	0.1	928.2	-13.8	13.8	1.0	-1.0							629.7	
2890 34453.7	1	20	SLU 1	I	-0.8	0.4	12960.7	-80.9	80.9	-34453.7	J	914.9	554.6	1224.2	45805.1	45723.6	14152.7		
				J	-0.8	0.4	2029.3	-66.1	66.1	15.3	-15.3							8541.7	
33123.4			SLU 2	I	-0.8	0.7	11538.7	-92.2	92.2	-33123.4	SLV Y	I	550.6	206.6	-262.2	17279.6	17355.0	1989.1	
				J	-0.8	0.7	2872.6	-68.7	68.7	14.7	-14.7							-628.2	
31429.8			SLU 3	I	-0.7	1.2	11110.4	-90.8	90.8	-31429.8	J	550.6	206.6	816.9	17084.7	17003.1	6788.4		
				J	-0.7	1.2	2563.9	-50.0	50.0	13.7	-13.7							1177.4	
16049.1			SLV X	I	445.0	2388.7	6102.8	30078.7	30119.6	-10305.5	SLE ra~1	I	17.4	1.1	-1472.2	-91.4	91.4	5046.4	-
				J	-0.7	1.2	2563.9	-50.0	50.0	13.7	-13.7							5046.4	
				J	17.4	1.1	1577.7	96.1	-96.1	6180.3	-6180.3								
				J	19.0	1.2	-2085.1	-98.2	98.2	7576.8	-								
				J	19.0	1.2	2278.5	103.5	-103.5	9656.2	-9656.2								



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Stazione di Catenanuova
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5095.2	SLErar~1	I	16.6	1.2	-1456.4	-96.2	96.2	5095.2	-	J	-0.0	4.7	-12056.6	104.6	-104.6	-59712.7	59712.7			
	J		16.6	1.2	1593.4	100.7	-100.7	6568.5	-6568.5											
										2931	1	20	SLU 1	I	-2.5	25.7	-14274.3	-307.1	307.1	-27887.2
										27887.2										
4447.7	SLE freq	I	15.0	0.9	-1280.9	-72.2	72.2	4447.7	-	J	-2.5	25.7	-24850.7	584.2	-584.2	-117853.4				
	J		15.0	0.9	1440.5	76.4	-76.4	6164.0	-6164.0											
										26557.8										
1308.6	SLE qp	I	10.5	0.5	-470.0	-37.7	37.7	1308.6	-	J	-2.6	27.8	-22558.3	628.7	-628.7	-111190.7				
	J		10.5	0.5	609.2	40.8	-40.8	2805.5	-2805.5											
										111190.7										
2929 35683.2	20 SLU 1	I	-0.5	12.0	-16078.8	-140.8	140.8	-35683.2												
										23227.3										
	J		-0.5	12.0	-26655.2	274.8	-274.8	-133948.4												
133948.4																				
	SLU 2	I	-0.5	13.6	-15780.6	-160.1	160.1	-33340.4												
33340.4										16037.0										
	J		-0.5	13.6	-24091.6	310.6	-310.6	-125024.7												
125024.7										65802.6										
	SLU 3	I	-0.6	12.0	-13514.6	-138.7	138.7	-29637.9												
29637.9										15136.0										
	J		-0.6	12.0	-21617.2	276.3	-276.3	-110422.0												
110422.0										62229.1										
	SLV X	I	518.0	4264.6	-5707.7	37462.5	37577.8	-14378.5												
18161.9										19004.5										
	J		518.0	4264.6	-10928.4	110260.9	110051.6	-52632.6												
66792.8										18118.2										
	SLV Y	I	1697.6	1507.9	-5047.9	13146.3	13261.6	-11826.4												
20714.0																				
	J		1697.6	1507.9	-10268.6	39014.0	38804.7	-47045.9												
72379.5										15897.9										
	SLE ra~1	I	-0.3	8.4	-10886.5	-98.4	98.4	-24197.8												
24197.8																				
	J		-0.3	8.4	-17964.7	191.5	-191.5	-90540.0												
										15598.3										
22635.9	SLE ra~2	I	-0.3	9.4	-10687.6	-111.2	111.2	-22635.9												
	J		-0.3	9.4	-16255.7	215.3	-215.3	-84590.9												
										13171.2										
20167.6	SLErar~1	I	-0.4	8.4	-9177.0	-97.0	97.0	-20167.6												
	J		-0.4	8.4	-14606.1	192.5	-192.5	-74855.7												
										2950	1	8	SLU 1	I	-0.9	0.1	-2795.9	-6.7	6.7	8947.0
										8947.0										
19468.0	SLE freq	I	-0.2	7.2	-8767.6	-85.8	85.8	-19468.0												
	J		-0.2	7.2	-14161.9	164.1	-164.1	-72193.4												
	SLU 2	I	-1.2	0.1	-3181.8	-4.1	4.1	10847.4												
	J		-1.2	0.1	2416.5	8.7	-8.7	2619.5												
16270.2	SLE qp	I	-0.0	4.7	-6835.9	-57.6	57.6	-16270.2												
	J		-0.9	0.1	1817.2	11.6	-11.6	-1574.2												
	SLU 3	I	-1.6	0.2	-2871.6	-17.3	17.3	9759.0												
										9759.0										



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	J	-1.6	0.2	2161.1	20.8	-20.8	2120.7	-2120.7		J	1.3	0.5	1052.2	41.7	-41.7	-1417.7	1417.7		
-1127.4	SLV X	I	1024.3	389.5	-477.3	33015.1	32990.9	2976.5	3936.1	SLErar~1	I	1.6	0.6	-1336.4	-51.6	51.6	3936.1	-	
10007.2	J	1024.3	389.5	601.6	31930.9	31949.4	4123.3			J	1.6	0.6	728.2	45.4	-45.4	-2603.9	2603.9		
-1477.9	SLV Y	I	504.9	145.4	-477.6	12417.8	12393.5	2626.0	3632.6	SLE freq	I	0.9	0.4	-1225.6	-33.5	33.5	3632.6	-	
9207.8	J	504.9	145.4	601.3	11852.9	11871.4	3323.8			J	0.9	0.4	674.7	28.6	-28.6	-2291.3	2291.3		
	SLE ra~1	I	-0.6	0.1	-1915.4	-3.7	3.7	6167.6	-6167.6	SLE qp	I	0.3	0.1	-772.0	-12.0	12.0	2054.3	-2054.3	
	J	-0.6	0.1	1267.9	7.0	-7.0	-794.5	794.5	2971	J	0.3	0.1	307.2	9.1	-9.1	-2943.5	2943.5		
	SLE ra~2	I	-0.9	0.0	-2172.8	-1.9	1.9	7434.5	-7434.5	156387.6	20	SLU 1	I	-0.1	-13.0	30726.5	304.4	-304.4	-156387.6
	J	-0.9	0.0	1667.4	5.2	-5.2	2001.4	-2001.4		J	-0.1	-13.0	19795.1	-147.1	147.1	-40215.3	40215.3		
6708.9	SLErar~1	I	-1.1	0.1	-1965.9	-10.8	10.8	6708.9	-	148352.3	SLU 2	I	-0.1	-14.2	28286.8	332.2	-332.2	-148352.3	
	J	-1.1	0.1	1497.1	13.2	-13.2	1668.8	-1668.8		J	-0.1	-14.2	19620.7	-161.7	161.7	-38191.2	38191.2		
	SLE freq	I	-0.4	-0.0	-1540.2	2.3	-2.3	5017.7	-5017.7	139843.4	SLU 3	I	-0.1	-13.9	26839.2	324.9	-324.9	-139843.4	
	J	-0.4	-0.0	1059.2	0.6	-0.6	-154.0	154.0		J	-0.1	-13.9	18292.8	-155.9	155.9	-36064.1	36064.1		
	SLE qp	I	0.3	-0.1	-771.7	12.1	-12.1	2051.9	-2051.9	61899.3	SLV X	I	499.5	4316.9	12449.3	111441.4	111270.4	-55602.0	
	J	0.3	-0.1	307.2	-9.2	9.2	-2942.0	2942.0		J	499.5	4316.9	7228.6	38388.3	38475.2	-14208.6			
2970	1	8	SLU 1	I	2.3	0.8	-2040.5	-68.0	68.0	5621.3	-	5621.3							
	J	2.3	0.8	894.4	58.6	-58.6	-6702.5	6702.5	68666.2	SLV Y	I	1663.6	1451.8	13411.4	37580.4	37409.4	-48835.2		
	SLU 2	I	2.0	0.8	-2426.5	-70.8	70.8	7521.2	-7521.2	19055.6	J	1663.6	1451.8	8190.7	12937.4	13024.4	-12012.7		
	J	2.0	0.8	1493.7	61.5	-61.5	-2509.0	2509.0		SLE ra~1	I	-0.1	-9.0	20693.2	209.5	-209.5	-105565.7		
	SLU 3	I	2.4	0.9	-1927.2	-76.3	76.3	5599.7	-5599.7	105565.7	J	-0.1	-9.0	13378.2	-101.5	101.5	-27220.0	27220.0	
	J	2.4	0.9	1007.7	67.1	-67.1	-4288.2	4288.2		SLE ra~2	I	-0.1	-9.8	19066.7	228.1	-228.1	-100208.9		
-1130.1	SLV X	I	1023.2	389.5	-477.5	32974.3	32998.3	2978.5	100208.9	J	-0.1	-9.8	13262.0	-111.2	111.2	-25870.5	25870.5		
10009.9	J	1023.2	389.5	601.6	31929.2	31911.0	4122.9			SLErar~1	I	-0.1	-9.5	18101.7	223.3	-223.3	-94536.2		
-1479.7	SLV Y	I	504.6	145.6	-477.7	12387.9	12411.8	2628.9	94536.2	J	-0.1	-9.5	12376.7	-107.4	107.4	-24452.5	24452.5		
9212.2	J	504.6	145.6	601.4	11864.2	11846.1	3325.2			SLE freq	I	-0.1	-7.2	15894.5	166.8	-166.8	-81578.0		
3950.5	SLE ra~1	I	1.5	0.5	-1411.9	-46.1	46.1	3950.5	-	81578.0	J	-0.1	-7.2	10352.2	-81.8	81.8	-21224.7	21224.7	
	J	1.5	0.5	652.7	39.7	-39.7	-4213.4	4213.4	58750.7	SLE qp	I	-0.0	-3.7	12007.5	85.5	-85.5	-58750.7		
5217.1	SLE ra~2	I	1.3	0.5	-1669.2	-48.0	48.0	5217.1	-	J	-0.0	-3.7	6786.8	-43.5	43.5	-15534.2	15534.2		



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2972 0.4	I	20	SLU 1	I	0.0	-0.2	-2097.0	-15.4	15.4	-0.4		J	304.5	27.7	1285.0	2745.1	2747.8	11990.9	7851.2				
				J	0.0	-0.2	-12672.3	-23.9	23.9	-33958.5	33958.5	2525.8	SLE ra~1	I	84.5	-0.3	-921.6	41.4	-41.4	2525.8	-		
			SLU 2	I	-0.0	-0.3	-2789.6	-19.1	19.1	-0.3	0.3		J	84.5	-0.3	1129.2	-13.1	13.1	5079.3	-5079.3			
				J	-0.0	-0.3	-11099.8	-28.5	28.5	-31935.3	31935.3	3180.5	SLE ra~2	I	92.9	-0.3	-1096.6	42.3	-42.3	3180.5	-		
			SLU 3	I	0.0	-0.3	-2092.1	-11.3	11.3	-0.3	0.3		J	92.9	-0.3	1324.5	-13.7	13.7	5984.2	-5984.2			
				J	0.0	-0.3	-10193.9	-21.6	21.6	-28248.7	28248.7		SLErar~1	I	86.0	-0.4	-998.9	50.2	-50.2	2856.3	-		
0.5			SLV X	I	180.3	1623.9	-478.8	39222.0	39245.9	0.2	2856.3		J	86.0	-0.4	1209.6	-16.0	16.0	5448.7	-5448.7			
16853.0				J	180.3	1623.9	-5699.0	17068.0	17094.3	-14203.9	2105.8		SLE freq	I	70.2	-0.2	-774.7	27.5	-27.5	2105.8	-		
0.6			SLV Y	I	600.2	553.0	-1.5	13263.4	13287.3	0.3		J	70.2	-0.2	947.0	-8.9	8.9	4225.1	-4225.1				
19047.8				J	600.2	553.0	-5221.7	5959.2	5985.5	-12009.2		SLE qp	I	42.3	-0.0	-380.1	3.9	-3.9	787.6	-787.6			
			SLE ra~1	I	0.0	-0.2	-1473.4	-11.1	11.1	-0.2	0.2		J	42.3	-0.0	484.3	-1.3	1.3	2069.8	-2069.8			
				J	0.0	-0.2	-8551.0	-17.0	17.0	-23048.7	23048.7	2974 2161.0	I	34	SLU 1	I	90.9	-0.3	-886.9	43.2	-43.2	2161.0	-
			SLE ra~2	I	-0.0	-0.2	-1935.2	-13.6	13.6	-0.2	0.2		J	90.9	-0.3	1113.3	-12.9	12.9	4946.5	-4946.5			
				J	-0.0	-0.2	-7502.6	-20.1	20.1	-21699.8	21699.8	3143.2	SLU 2	I	103.6	-0.3	-1149.3	42.1	-42.1	3143.2	-		
			SLErar~1	I	0.0	-0.2	-1470.1	-8.5	8.5	-0.2	0.2		J	103.6	-0.3	1406.3	-12.0	12.0	6303.8	-6303.8			
				J	0.0	-0.2	-6898.7	-15.5	15.5	-19242.1	19242.1		SLU 3	I	85.6	-0.4	-893.7	56.4	-56.4	2289.0	-		
			SLE freq	I	-0.0	-0.1	-1351.4	-11.9	11.9	-0.2	0.2	2289.0		J	85.6	-0.4	1106.5	-16.5	16.5	4907.1	-4907.1		
				J	-0.0	-0.1	-6745.2	-16.3	16.3	-18616.2	18616.2		SLE qp	I	-0.0	-0.0	-766.7	-12.0	12.0	-0.1	0.1		
				J	-0.0	-0.0	-5986.9	-13.2	13.2	-15528.5	15528.5	29459.3	SLV X	I	786.2	61.2	2163.8	5313.0	5320.6	31035.1			
2973 -3631.3	I	34	SLU 1	I	122.0	-0.5	-1323.3	61.7	-61.7	3631.3	30264.1		J	786.2	61.2	3028.2	5252.8	5250.4	34403.7				
				J	122.0	-0.5	1623.2	-19.4	19.4	7320.5	-7320.5	8984.4	SLV Y	I	304.5	27.7	420.4	2526.8	2534.5	10560.3			
4613.4			SLU 2	I	134.6	-0.5	-1585.7	62.9	-62.9	4613.4	-		J	304.5	27.7	1284.8	2746.7	2744.3	11989.5	7850.0			
				J	134.6	-0.5	1916.2	-20.4	20.4	8677.9	-8677.9	1545.6	SLE ra~1	I	63.8	-0.2	-630.6	28.5	-28.5	1545.6	-		
4127.2			SLU 3	I	124.3	-0.6	-1439.2	74.8	-74.8	4127.2	-		J	63.8	-0.2	789.2	-8.5	8.5	3496.6	-3496.6			
				J	124.3	-0.6	1743.9	-23.7	23.7	7874.7	-7874.7	2200.4	SLE ra~2	I	72.2	-0.2	-805.6	27.8	-27.8	2200.4	-		
29460.7			SLV X	I	786.2	61.2	2163.9	5324.8	5317.1	31035.8		J	72.2	-0.2	984.6	-7.8	7.8	4401.5	-4401.5				
30265.1				J	786.2	61.2	3028.3	5253.9	5256.6	34404.7	1630.9		SLErar~1	I	60.2	-0.3	-635.2	37.3	-37.3	1630.9	-		
8988.1			SLV Y	I	304.5	27.7	420.6	2535.9	2528.2	10563.2		J	60.2	-0.3	784.7	-10.9	10.9	3470.4	-3470.4				



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1493.3	SLE freq	I	57.2	-0.1	-592.8	16.2	-16.2	1493.3	-	2976	1	2	SLU 1	I	-5687.2	6.2	-3275.1	-155.8	155.8	12374.3	-12374.3			
	J	57.2	-0.1	734.5	-4.6	4.6	3235.9	-3235.9					J	-5042.9	6.2	-3275.1	355.0	-355.0	-23351.4	23351.4				
	SLE qp	I	42.2	0.0	-380.1	-3.8	3.8	787.9	-787.9				SLU 2	I	-5386.0	7.0	-3111.3	-176.2	176.2	11801.9	-11801.9			
	J	42.2	0.0	484.3	1.2	-1.2	2069.8	-2069.8					J	-4741.7	7.0	-3111.3	401.9	-401.9	-22137.5	22137.5				
2975	1	2	SLU 1	I	-6919.4	8.1	3280.1	-204.7	204.7	-10535.7			SLU 3	I	-4779.1	5.8	-2839.0	-146.2	146.2	11082.0	-11082.0			
10535.7													J	-6275.0	8.1	3280.1	467.9	-467.9	25245.3	-25245.3				
25245.3													J	-4134.7	5.8	-2839.0	333.3	-333.3	-19887.2	19887.2				
9963.5	SLU 2	I	-6618.1	9.0	3116.4	-225.2	225.2	-9963.5					SLV X	I	-2041.5	2673.9	353.6	115078.3	115221.2	16646.8	-7304.9			
24031.3	J	-5973.8	9.0	3116.4	514.8	-514.8	24031.3	-					J	-1564.2	2673.9	353.6	105820.4	105494.4	-3447.7	16366.1				
8784.5	SLU 3	I	-6318.9	8.3	2845.4	-207.5	207.5	-8784.5					SLV Y	I	-447.5	806.3	4260.4	34529.5	34672.4	44463.2	35121.3			
22253.7	J	-5674.6	8.3	2845.4	474.5	-474.5	22253.7	-					J	29.8	806.3	4260.4	31983.6	31657.7	11352.7	31166.5				
16647.0	SLV X	I	-2041.7	2674.0	3026.5	115082.0	115224.5	7306.4					SLE ra~1	I	-3898.3	4.3	-2215.2	-109.0	109.0	8360.8	-8360.8			
-3448.2	J	-1564.4	2674.0	3026.5	105823.5	105497.8	16367.3						J	-3421.0	4.3	-2215.2	248.5	-248.5	-15803.7	15803.7				
44462.5	SLV Y	I	-447.7	806.4	6933.1	34531.3	34673.8	35121.9					SLE ra~2	I	-3697.5	4.9	-2106.1	-122.6	122.6	7979.3	-7979.3			
11351.2	J	29.6	806.4	6933.1	31985.2	31659.5	31166.8						J	-3220.2	4.9	-2106.1	279.8	-279.8	-14994.4	14994.4				
7135.1	SLE ra~1	I	-4719.7	5.6	2218.6	-141.6	141.6	-7135.1					SLE rar~1	I	-3292.9	4.1	-1924.5	-102.6	102.6	7499.3	-7499.3			
17066.4	J	-4242.4	5.6	2218.6	323.8	-323.8	17066.4	-					J	-2815.6	4.1	-1924.5	234.1	-234.1	-13494.3	13494.3				
6753.6	SLE ra~2	I	-4518.9	6.2	2109.4	-155.3	155.3	-6753.6					SLE freq	I	-3249.1	3.9	-1745.5	-97.1	97.1	6487.3	-6487.3			
16257.0	J	-4041.6	6.2	2109.4	355.0	-355.0	16257.0	-					J	-2771.9	3.9	-1745.5	221.6	-221.6	-12553.5	12553.5				
5967.6	SLE rar~1	I	-4319.4	5.7	1928.8	-143.5	143.5	-5967.6					SLE qp	I	-2821.7	2.8	-1336.4	-71.4	71.4	4670.9	-4670.9			
15071.9	J	-3842.2	5.7	1928.8	328.2	-328.2	15071.9	-					J	-2344.4	2.8	-1336.4	163.0	-163.0	-9906.9	9906.9				
5721.1	SLE freq	I	-3762.6	4.7	1747.6	-117.5	117.5	-5721.1					2977	1	20	SLU 1	I	2311.1	9.8	-11817.3	-184.3	184.3	40830.7	-40830.7
13342.9	J	-3285.3	4.7	1747.6	268.6	-268.6	13342.9	-					J	2311.1	9.8	-569.6	177.2	-177.2	10594.9	-10594.9				
4670.3	SLE qp	I	-2822.0	2.8	1336.4	-71.2	71.2	-4670.3					SLU 2	I	2195.6	10.8	-10165.3	-202.1	202.1	37496.2	-37496.2			
	J	-2344.7	2.8	1336.4	162.8	-162.8	9907.8	-9907.8					J	2195.6	10.8	-1308.8	194.9	-194.9	9488.5	-9488.5				
													SLU 3	I	2004.1	9.6	-8916.4	-180.4	180.4	31417.6	-31417.6			
													J	2004.1	9.6	-294.7	171.4	-171.4	8933.7	-8933.7				



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8357.9	SLE ra~1	I	39.3	0.0	-2143.2	-1.5	1.5	8357.9	-	5770.4	SLE freq	I	1227.4	-4.2	1967.9	73.6	-73.6	5770.4	-
	J	39.3	0.0	2185.2	1.5	-1.5	8808.6	-8808.6			J	1227.4	-4.2	7872.2	-80.5	80.5	29789.8	-29789.8	
11119.5	SLE ra~2	I	44.4	0.0	-2831.8	-1.5	1.5	11119.5	-	4915.2	SLE qp	I	939.0	-2.7	376.4	48.7	-48.7	4915.2	-
	J	44.4	0.0	2878.2	1.4	-1.4	11617.6	-11617.6			J	939.0	-2.7	5918.4	-49.6	49.6	20280.7	-20280.7	
8948.5	SLErar~1	I	39.2	0.0	-2290.3	-1.7	1.7	8948.5	-	2995 15122.5	1 8 SLU 1	I	41.8	-1.0	-3859.2	75.6	-75.6	15122.5	-
	J	39.2	0.0	2332.3	1.6	-1.6	9399.5	-9399.5			J	41.8	-1.0	3910.3	-83.6	83.6	15671.5	-15671.5	
	SLE freq	I	34.0	0.0	-1752.0	-1.0	1.0	6790.3	-6790.3	19049.7	SLU 2	I	45.9	-1.0	-4844.9	82.4	-82.4	19049.7	-
	J	34.0	0.0	1789.6	1.0	-1.0	7194.4	-7194.4			J	45.9	-1.0	4895.2	-91.1	91.1	19590.4	-19590.4	
	SLE qp	I	22.3	0.0	-525.7	-0.3	0.3	1873.7	-1873.7	16796.7	SLU 3	I	41.8	-1.0	-4280.6	80.6	-80.6	16796.7	-
	J	22.3	0.0	553.3	0.3	-0.3	2171.0	-2171.0			J	41.8	-1.0	4328.2	-88.9	88.9	17308.7	-17308.7	
2994 -10658.4	1 20 SLU 1	I	2302.0	-7.3	3961.7	125.8	-125.8	10658.4	-	-1741.3	SLV X	I	549.4	566.2	-503.5	47259.9	47217.1	2056.1	-
58430.6	J	2302.0	-7.3	15609.4	-141.3	141.3	58430.6	-	1722.1	J	549.4	566.2	575.5	47152.9	47200.5	2550.7	-		
9585.7	SLU 2	I	2188.0	-7.9	4693.5	137.8	-137.8	9585.7	-	-1760.9	SLV Y	I	493.5	188.2	-512.3	15730.6	15687.9	2036.4	-
55094.1	J	2188.0	-7.9	13950.1	-153.5	153.5	55094.1	-	1809.4	J	493.5	188.2	566.6	15677.7	15725.3	2463.5	-		
9019.3	SLU 3	I	1997.1	-7.2	4550.7	123.2	-123.2	9019.3	-	10272.4	SLE ra~1	I	29.0	-0.7	-2626.2	52.1	-52.1	10272.4	-
53501.6	J	1997.1	-7.2	13672.5	-141.9	141.9	53501.6	-		J	29.0	-0.7	2661.4	-57.5	57.5	10650.7	-10650.7		
-4821.8	SLV X	I	1109.2	1332.8	6093.4	22945.2	22847.7	5008.6	-	12890.5	SLE ra~2	I	31.7	-0.7	-3283.3	56.6	-56.6	12890.5	-
7535.8	J	1109.2	1332.8	11635.3	26199.7	26299.0	48097.2	-		J	31.7	-0.7	3318.0	-62.5	62.5	13263.3	-13263.3		
-4886.8	SLV Y	I	1504.7	503.4	19358.0	7780.2	7682.8	4943.5	-	11388.5	SLErar~1	I	29.0	-0.7	-2907.1	55.3	-55.3	11388.5	-
72358.4	J	1504.7	503.4	24900.0	10844.9	10944.2	112919.8	-		J	29.0	-0.7	2940.0	-61.1	61.1	11742.2	-11742.2		
7238.6	SLE ra~1	I	1557.3	-5.0	2678.8	87.2	-87.2	7238.6	-	7951.3	SLE freq	I	24.2	-0.5	-2045.4	41.5	-41.5	7951.3	-
	J	1557.3	-5.0	10472.9	-97.6	97.6	39341.5	-39341.5			J	24.2	-0.5	2074.5	-45.9	45.9	8263.3	-8263.3	
6523.5	SLE ra~2	I	1481.3	-5.5	3166.7	95.2	-95.2	6523.5	-	1898.7	SLE qp	I	15.3	-0.3	-528.4	21.4	-21.4	1898.7	-
	J	1481.3	-5.5	9366.7	-105.7	105.7	37117.1	-		J	15.3	-0.3	550.6	-23.8	23.8	2136.4	-2136.4		
37117.1	SLErar~1	I	1353.9	-5.0	3071.5	85.4	-85.4	6145.9	-	2996 40139.2	1 20 SLU 1	I	-0.1	-0.4	14193.4	-20.2	20.2	40139.2	-
6145.9	J	1353.9	-5.0	9181.7	-98.0	98.0	36055.4	-36055.4			J	-0.1	-0.4	3260.8	-33.6	33.6	-0.1	0.1	



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38153.5	SLU 2	I	-0.1	-0.4	12628.9	-22.9	22.9	-38153.5	1809.4	J	493.7	188.7	566.6	15721.1	15673.5	2463.2	-	
	J		-0.1	-0.4	3961.9	-36.5	36.5	-0.1	0.1									
36038.3	SLU 3	I	-0.1	-0.4	12109.2	-20.8	20.8	-36038.3	5821.1	SLE ra~1	I	24.2	0.3	-1509.5	-23.1	23.1	5821.1	-
	J		-0.1	-0.4	3561.9	-35.4	35.4	-0.0	0.0									
16614.8	SLV X	I	181.8	1605.1	6223.0	16624.4	16638.7	-14399.7	8439.0	SLE ra~2	I	26.9	0.4	-2166.5	-27.6	27.6	8439.0	-
	J		181.8	1605.1	1001.8	39047.4	39067.0	0.1	0.2									
18921.7	SLV Y	I	606.0	524.4	6724.6	5527.9	5542.2	-12092.8	5824.4	SLEErar~1	I	23.0	0.2	-1511.3	-19.1	19.1	5824.4	-
	J		606.0	524.4	1503.4	12759.6	12779.3	0.2	0.3									
27175.3	SLE ra~1	I	-0.0	-0.3	9566.3	-14.1	14.1	-27175.3	5169.1	SLE freq	I	21.2	0.3	-1347.5	-23.4	23.4	5169.1	-
	J		-0.0	-0.3	2250.7	-23.1	23.1	-0.0	0.0									
25851.5	SLE ra~2	I	-0.0	-0.3	8523.3	-15.9	15.9	-25851.5	1898.7	SLE qp	I	15.2	0.3	-528.4	-21.4	21.4	1898.7	-
	J		-0.0	-0.3	2718.0	-25.1	25.1	-0.0	0.0									
24441.4	SLEErar~1	I	-0.0	-0.3	8176.9	-14.5	14.5	-24441.4	2998 33822.7	1 20 SLU 1	I	0.0	4.8	-15747.9	-55.3	55.3	-33822.7	
	J		-0.0	-0.3	2451.3	-24.3	24.3	-0.0	0.0									
21203.9	SLE freq	I	-0.0	-0.2	7381.6	-11.9	11.9	-21203.9	31837.7	J	0.0	4.8	-26324.3	111.0	-111.0	-130565.8	130565.8	
	J		-0.0	-0.2	1838.8	-18.5	18.5	-0.0	0.0									
	SLE qp	I	-0.0	-0.1	5982.2	-7.1	7.1	-15507.3	28147.9	SLU 2	I	-0.0	5.6	-15578.3	-65.0	65.0	-31837.7	
	J		-0.0	-0.1	761.0	-9.8	9.8	-0.0	0.0									
2997 8445.6	1 8 SLU 1	I	34.7	0.4	-2184.2	-32.2	32.2	8445.6	16608.9	J	-0.0	5.6	-23889.3	130.1	-130.1	-122591.8	122591.8	
	J		34.7	0.4	2228.0	36.3	-36.3	8916.1	61487.9	SLU 3	I	0.0	4.3	-13279.1	-49.9	49.9	-28147.9	
12372.4	SLU 2	I	38.8	0.5	-3169.8	-39.0	39.0	12372.4	18914.7	J	0.0	4.3	-21381.7	99.6	-99.6	-107849.0	107849.0	
	J		38.8	0.5	3212.7	43.7	-43.7	12834.6	68210.0	SLV X	I	504.6	4354.8	-6323.2	38932.9	38992.4	-14395.1	
8450.6	SLU 3	I	32.9	0.3	-2186.8	-26.3	26.3	8450.6	22964.2	J	504.6	4354.8	-11543.9	111977.1	111857.2	-55479.5		
	J		32.9	0.3	2225.3	29.8	-29.8	8864.8	-8864.8	SLV Y	I	1680.1	1439.3	-5362.9	12941.3	13000.7	-12089.3	
-1741.2	SLV X	I	550.1	566.6	-503.5	47202.9	47245.8	2056.1	21640.9	J	1680.1	1439.3	-10583.6	36911.2	36791.3	-48757.5		
	J		550.1	566.6	575.5	47186.3	47138.7	2550.6	-	SLE ra~1	I	0.0	3.4	-10678.5	-39.2	39.2	-22964.2	
1722.0	SLV Y	I	493.7	188.7	-512.4	15683.6	15726.5	2036.4	19181.0	J	0.0	3.4	-17756.8	78.6	-78.6	-88349.9	88349.9	
-1760.9										SLE ra~2	I	-0.0	4.0	-10565.4	-45.7	45.7	-21640.9	
										J	-0.0	4.0	-16133.4	91.3	-91.3	-83033.8	83033.8	
										SLEErar~1	I	0.0	3.1	-9032.6	-35.6	35.6	-19181.0	



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	J	0.0	3.1	-14461.7	71.0	-71.0	-73205.3	73205.3				SLU 2	I	2.0	0.2	-1949.5	-13.4	13.4	7551.2	-7551.2
18570.6	SLE freq	I	-0.0	3.2	-8650.4	-37.0	37.0	-18570.6				J	2.0	0.2	1969.9	16.2	-16.2	7770.6	-7770.6	
	J	-0.0	3.2	-14044.8	74.2	-74.2	-70757.2	70757.2				SLU 3	I	2.6	0.1	-1456.0	-7.4	7.4	5579.0	-5579.0
15502.0	SLE qp	I	-0.0	2.6	-6735.7	-29.7	29.7	-15502.0				J	2.6	0.1	1478.4	10.1	-10.1	5819.6	-5819.6	
	J	-0.0	2.6	-11956.4	60.0	-60.0	-58483.7	58483.7		-1843.7		SLV X	I	715.6	399.6	-504.7	33285.5	33303.8	2044.6	
2999 8943.0	1 8 SLU 1	I	-1.5	-0.4	-2297.9	35.1	-35.1	8943.0	-	1415.9		J	715.6	399.6	574.3	33291.0	33271.4	2674.2	-	
	J	-1.5	-0.4	2315.3	-36.0	36.0	9129.2	-9129.2		-1721.1		SLV Y	I	495.5	133.2	-511.9	11108.2	11126.5	2167.2	
10916.5	SLU 2	I	-1.8	-0.5	-2795.6	37.8	-37.8	10916.5	-	1502.1		J	495.5	133.2	567.1	11078.9	11059.3	2587.9	-	
	J	-1.8	-0.5	2803.0	-38.8	38.8	10995.9	-10995.9				SLE ra~1	I	1.6	0.1	-1022.4	-7.9	7.9	3913.4	-3913.4
9784.9	SLU 3	I	-2.3	-0.5	-2513.4	37.8	-37.8	9784.9	-			J	1.6	0.1	1041.7	9.6	-9.6	4120.5	-4120.5	
	J	-2.3	-0.5	2519.5	-38.4	38.4	9851.0	-9851.0				SLE ra~2	I	1.3	0.1	-1354.1	-9.6	9.6	5228.9	-5228.9
-1843.8	SLV X	I	716.5	399.5	-504.7	33313.3	33295.1	2044.7				J	1.3	0.1	1366.8	11.5	-11.5	5364.8	-5364.8	
1415.7	J	716.5	399.5	574.3	33280.8	33300.4	2674.1	-				SLE rar~1	I	1.7	0.1	-1025.1	-5.6	5.6	3914.1	-3914.1
	SLV Y	I	495.8	133.0	-511.9	11129.2	11111.0	2167.4				J	1.7	0.1	1039.0	7.4	-7.4	4064.2	-4064.2	
-1721.1	J	495.8	133.0	567.1	11062.1	11081.6	2587.7	-				SLE freq	I	0.9	0.1	-944.2	-8.6	8.6	3586.3	-3586.3
1502.1	SLE ra~1	I	-1.0	-0.3	-1586.4	24.1	-24.1	6156.7	-			J	0.9	0.1	955.7	10.0	-10.0	3710.2	-3710.2	
6156.7	J	-1.0	-0.3	1597.0	-24.7	24.7	6270.6	-6270.6				SLE qp	I	0.2	0.1	-534.8	-9.1	9.1	1944.2	-1944.2
7472.3	SLE ra~2	I	-1.3	-0.3	-1918.1	25.9	-25.9	7472.3	-		3001 1	20 SLU 1	I	-0.1	-4.9	30629.1	113.0	-113.0	-155870.6	155870.6
	J	-1.3	-0.3	1922.1	-26.6	26.6	7515.1	-7515.1				J	-0.1	-4.9	19697.7	-55.4	55.4	-40146.3	40146.3	
6718.0	SLE rar~1	I	-1.5	-0.3	-1730.0	25.9	-25.9	6718.0	-			SLU 2	I	-0.1	-5.4	28190.4	125.4	-125.4	-147861.4	147861.4
	J	-1.5	-0.3	1733.2	-26.3	26.3	6751.8	-6751.8				J	-0.1	-5.4	19524.3	-61.5	61.5	-38143.3	38143.3	
4988.5	SLE freq	I	-0.7	-0.2	-1296.7	18.8	-18.8	4988.5	-			SLU 3	I	-0.1	-5.0	26750.2	116.1	-116.1	-139397.5	139397.5
	J	-0.7	-0.2	1302.8	-19.4	19.4	5054.0	-5054.0				J	-0.1	-5.0	18203.7	-57.2	57.2	-36027.8	36027.8	
	SLE qp	I	0.2	-0.1	-534.8	9.1	-9.1	1944.3	-1944.3			SLV X	I	511.7	4380.2	12397.4	112580.0	112502.8	-55555.2	
	J	0.2	-0.1	544.2	-9.8	9.8	2044.9	-2044.9				J	511.7	4380.2	7176.7	39346.7	39383.9	-14470.3		
3000 5578.1	1 8 SLU 1	I	2.4	0.1	-1452.0	-10.8	10.8	5578.1	-			SLV Y	I	1704.5	1438.0	13378.6	36904.0	36826.9	-48611.2	
	J	2.4	0.1	1482.3	13.3	-13.3	5904.0	-5904.0				J	1704.5	1438.0	8157.9	13029.4	13066.7	-12044.2		



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 150 di 212
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5754.4	SLE freq	I	1228.1	-2.7	1977.9	46.7	-46.7	5754.4	-	38143.3	SLU 2	I	-0.0	-0.3	12626.7	-13.1	13.1	-38143.3	
	J	1228.1	-2.7	7882.3	-53.9	53.9	29822.8	-29822.8			J	-0.0	-0.3	3959.7	-22.0	22.0	0.0	-0.0	
4906.3	SLE qp	I	939.8	-1.7	384.1	30.1	-30.1	4906.3	-	36027.8	SLU 3	I	-0.0	-0.2	12106.9	-12.2	12.2	-36027.8	
	J	939.8	-1.7	5926.1	-30.7	30.7	20309.2	-20309.2			J	-0.0	-0.2	3559.6	-20.3	20.3	0.0	-0.0	
3010 I 8 15215.8	SLU 1	I	46.1	-0.6	-3889.1	44.4	-44.4	15215.8	-	16559.5	SLV X	I	184.4	1595.0	6211.0	16320.1	16327.8	-14470.3	
	J	46.1	-0.6	3880.4	-50.9	50.9	15122.7	-15122.7			J	184.4	1595.0	989.8	39002.9	39016.7	0.1	0.1	
19148.7	SLU 2	I	50.7	-0.6	-4874.6	49.1	-49.1	19148.7	-	18985.7	SLV Y	I	614.7	512.1	6738.5	5235.4	5243.1	-12044.2	
	J	50.7	-0.6	4865.4	-56.2	56.2	19049.9	-19049.9			J	614.7	512.1	1517.3	12612.0	12625.7	0.1	0.1	
16891.8	SLU 3	I	46.3	-0.6	-4308.8	45.9	-45.9	16891.8	-		SLE ra~1	I	-0.0	-0.2	9566.9	-8.1	8.1	-27178.1	27178.1
	J	46.3	-0.6	4300.0	-52.6	52.6	16796.9	-16796.9			J	-0.0	-0.2	2251.3	-13.8	13.8	0.0	-0.0	
-1897.3	SLV X	I	401.6	567.4	-534.8	47333.4	47303.9	1981.5	-		SLE ra~2	I	-0.0	-0.2	8521.4	-9.1	9.1	-25842.7	25842.7
	J	401.6	567.4	544.2	47255.5	47289.3	2028.6	-			J	-0.0	-0.2	2716.1	-15.1	15.1	0.0	-0.0	
1768.9	SLV Y	I	429.8	185.6	-536.3	15499.7	15470.2	2020.7	-	24432.4	SLE rar~1	I	-0.0	-0.2	8174.9	-8.5	8.5	-24432.4	
	J	429.8	185.6	542.7	15461.2	15495.1	2028.2	-			J	-0.0	-0.2	2449.4	-14.1	14.1	0.0	-0.0	
10338.0	SLE ra~1	I	31.9	-0.4	-2646.8	30.7	-30.7	10338.0	-		SLE freq	I	-0.0	-0.1	7381.2	-6.8	6.8	-21202.0	21202.0
	J	31.9	-0.4	2640.8	-35.2	35.2	10272.5	-10272.5			J	-0.0	-0.1	1838.4	-11.4	11.4	0.0	-0.0	
12959.9	SLE ra~2	I	35.0	-0.4	-3303.9	33.8	-33.8	12959.9	-	3012 I 8 8513.2	SLU 1	I	37.3	0.4	-2209.2	-30.1	30.1	8513.2	-
	J	35.0	-0.4	3297.4	-38.8	38.8	12890.6	-12890.6			J	37.3	0.4	2202.9	34.5	-34.5	8445.7	-8445.7	
11455.3	SLE rar~1	I	32.1	-0.4	-2926.7	31.7	-31.7	11455.3	-	12445.7	SLU 2	I	41.8	0.4	-3194.7	-34.7	34.7	12445.7	-
	J	32.1	-0.4	2920.5	-36.3	36.3	11388.6	-11388.6			J	41.8	0.4	3187.9	39.8	-39.8	12372.6	-12372.6	
8008.0	SLE freq	I	26.7	-0.3	-2062.6	25.3	-25.3	8008.0	-	8513.6	SLU 3	I	35.3	0.4	-2209.0	-27.8	27.8	8513.6	-
	J	26.7	-0.3	2057.3	-29.1	29.1	7951.4	-7951.4			J	35.3	0.4	2203.2	32.0	-32.0	8450.7	-8450.7	
1939.4	SLE qp	I	16.6	-0.2	-541.4	14.7	-14.7	1939.4	-	-1897.3	SLV X	I	402.0	567.6	-534.8	47290.1	47319.8	1981.5	
	J	16.6	-0.2	537.6	-16.9	16.9	1898.7	-1898.7		1768.9	J	402.0	567.6	544.2	47275.7	47241.7	2028.6	-	
3011 I 20 40146.3	SLU 1	I	-0.0	-0.2	14195.0	-11.6	11.6	-40146.3	-	-1858.1	SLV Y	I	430.0	185.9	-536.3	15466.0	15495.6	2020.7	
	J	-0.0	-0.2	3262.4	-19.9	19.9	0.0	-0.0		1769.2	J	430.0	185.9	542.7	15491.0	15457.0	2028.3	-	



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 151 di 212
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5869.6	SLE ra~1	I	26.1	0.3	-1526.9	-21.2	21.2	5869.6	-	18579.5	SLE freq	I	-0.0	2.2	-8664.9	-25.0	25.0	-18579.5
	J	26.1	0.3	1522.4	24.3	-24.3	5821.2	-5821.2		J	-0.0	2.2	-14059.2	52.2	-52.2	-70832.7	70832.7	
8491.2	SLE ra~2	I	29.1	0.3	-2183.9	-24.2	24.2	8491.2	-	15509.7	SLE qp	I	-0.0	1.7	-6748.2	-18.7	18.7	-15509.7
	J	29.1	0.3	2179.0	27.8	-27.8	8439.1	-8439.1		J	-0.0	1.7	-11968.9	38.8	-38.8	-58548.6	58548.6	
5869.8	SLErar~1	I	24.7	0.3	-1526.8	-19.7	19.7	5869.8	-	3014 8885.0	1 8 SLU 1	I	-1.2	-0.3	-2303.9	20.2	-20.2	8885.0
	J	24.7	0.3	1522.6	22.6	-22.6	5824.5	-5824.5		J	-1.2	-0.3	2309.3	-22.0	22.0	8942.8	-8942.8	
5215.2	SLE freq	I	23.0	0.2	-1362.6	-19.4	19.4	5215.2	-	10853.1	SLU 2	I	-1.6	-0.3	-2796.3	22.2	-22.2	10853.1
	J	23.0	0.2	1358.3	22.3	-22.3	5169.2	-5169.2		J	-1.6	-0.3	2802.2	-24.3	24.3	10916.3	-10916.3	
1939.4	SLE qp	I	16.6	0.2	-541.4	-14.8	14.8	1939.4	-	9726.1	SLU 3	I	-2.0	-0.3	-2513.7	20.7	-20.7	9726.1
	J	16.6	0.2	537.6	17.0	-17.0	1898.7	-1898.7		J	-2.0	-0.3	2519.2	-22.4	22.4	9784.7	-9784.7	
3013 33855.6	1 20 SLU 1	I	-0.1	3.5	-15775.4	-38.9	38.9	-33855.6	-	-1871.7	SLV X	I	546.3	398.5	-534.8	33225.3	33211.8	1976.8
	J	-0.1	3.5	-26351.8	82.0	-82.0	-130725.4	130725.4		J	546.3	398.5	544.2	33209.0	33224.2	2044.3	-	
31853.4	SLU 2	I	-0.1	4.0	-15602.3	-45.1	45.1	-31853.4	-	-1766.5	SLV Y	I	456.5	130.0	-530.3	10850.5	10837.0	2082.0
	J	-0.1	4.0	-23913.3	94.3	-94.3	-122717.8	122717.8		J	456.5	130.0	548.7	10826.8	10842.1	2167.0	-	
28169.6	SLU 3	I	-0.1	3.3	-13302.0	-36.5	36.5	-28169.6	-	1721.4	SLE ra~1	I	-0.9	-0.2	-1589.8	13.9	-13.9	6116.6
	J	-0.1	3.3	-21404.7	77.1	-77.1	-107976.1	107976.1		6116.6	J	-0.9	-0.2	1593.5	-15.3	15.3	6156.6	-6156.6
16553.8	SLV X	I	511.7	4382.6	-6320.7	39339.9	39377.3	-14465.6	-	7428.7	SLE ra~2	I	-1.1	-0.2	-1918.1	15.3	-15.3	7428.7
	J	511.7	4382.6	-11541.4	112553.1	112475.6	-55546.3		J	-1.1	-0.2	1922.1	-16.8	16.8	7472.2	-7472.2		
61551.0	SLV Y	I	1704.4	1441.0	-5339.7	13027.4	13064.9	-12040.7	-	6677.3	SLErar~1	I	-1.4	-0.2	-1729.7	14.3	-14.3	6677.3
18978.7	J	1704.4	1441.0	-10560.4	36896.2	36818.6	-48604.6		J	-1.4	-0.2	1733.5	-15.5	15.5	6717.8	-6717.8		
68492.7	SLE ra~1	I	-0.0	2.5	-10697.1	-27.4	27.4	-22984.2	-	4955.4	SLE freq	I	-0.6	-0.1	-1298.2	11.5	-11.5	4955.4
22984.2	J	-0.0	2.5	-17775.3	57.6	-57.6	-88455.3	88455.3		J	-0.6	-0.1	1301.3	-12.7	12.7	4988.4	-4988.4	
21649.4	SLE ra~2	I	-0.0	2.8	-10581.6	-31.5	31.5	-21649.4	-		SLE qp	I	0.3	-0.1	-538.6	6.8	-6.8	1924.3
	J	-0.0	2.8	-16149.7	65.9	-65.9	-83116.9	83116.9		J	0.3	-0.1	540.4	-7.6	7.6	1944.2	-1944.2	
19193.5	SLErar~1	I	-0.0	2.3	-9048.1	-25.8	25.8	-19193.5	-	3015 5536.0	1 8 SLU 1	I	2.4	0.2	-1465.2	-14.0	14.0	5536.0
	J	-0.0	2.3	-14477.2	54.4	-54.4	-73289.1	73289.1		J	2.4	0.2	1469.1	16.5	-16.5	5578.0	-5578.0	
										SLU 2	I	2.0	0.2	-1957.5	-16.0	16.0	7503.8	-7503.8



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Stazione di Catenanuova		COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
Relazione di calcolo pensiline di banchina		RS3E	50	D 78 CL	FV0100 001	A	152 di 212
	J 2.0 0.2 1961.9 18.8 -18.8 7551.1 -7551.1						
	SLU 3 I 2.5 0.2 -1465.4 -12.9 12.9 5540.0 -5540.0						
	J 2.5 0.2 1469.0 15.5 -15.5 5578.9 -5578.9						
-1871.7	SLV X I 545.5 398.6 -534.8 33202.1 33215.8 1976.8						
1844.0	J 545.5 398.6 544.2 33214.8 33199.5 2044.2 -						
-1766.5	SLV Y I 456.3 130.1 -530.3 10834.1 10847.7 2082.0						
1721.3	J 456.3 130.1 548.7 10839.3 10823.9 2166.9 -						
	SLE ra~1 I 1.6 0.1 -1030.7 -9.9 9.9 3884.0 -3884.0						
	J 1.6 0.1 1033.4 11.6 -11.6 3913.4 -3913.4						
5195.8	SLE ra~2 I 1.3 0.1 -1358.9 -11.2 11.2 5195.8 -						
	J 1.3 0.1 1362.0 13.1 -13.1 5228.8 -5228.8						
	SLErar~1 I 1.7 0.1 -1030.8 -9.1 9.1 3886.6 -3886.6						
	J 1.7 0.1 1033.3 10.9 -10.9 3914.0 -3914.0						
	SLE freq I 0.9 0.1 -948.7 -8.9 8.9 3559.9 -3559.9						
	J 0.9 0.1 951.2 10.4 -10.4 3586.3 -3586.3						
	SLE qp I 0.3 0.1 -538.6 -6.8 6.8 1924.3 -1924.3						
	J 0.3 0.1 540.4 7.7 -7.7 1944.1 -1944.1						
3016 I 20	SLU 1 I -0.1 -2.3 30628.0 54.4 -54.4 -155881.3						
155881.3	J -0.1 -2.3 19696.5 -26.2 26.2 -40162.2 40162.2						
147870.0	SLU 2 I -0.1 -2.6 28188.8 60.5 -60.5 -147870.0						
	J -0.1 -2.6 19522.8 -29.2 29.2 -38159.1 38159.1						
139404.9	SLU 3 I -0.1 -2.4 26748.6 55.9 -55.9 -139404.9						
	J -0.1 -2.4 18202.2 -27.0 27.0 -36042.5 36042.5						
61591.0	SLV X I 516.7 4388.5 12398.3 112687.4 112649.9 -55532.4						
16576.9	J 516.7 4388.5 7177.6 39484.7 39502.6 -14465.2						
68635.1	SLV Y I 1721.9 1411.6 13394.6 36208.5 36171.0 -48488.4						
19039.1	J 1721.9 1411.6 8173.9 12768.6 12786.4 -12003.1						
105225.7	SLE ra~1 I -0.1 -1.6 20626.0 37.7 -37.7 -105225.7						
	J -0.1 -1.6 13311.0 -18.2 18.2 -27188.9 27188.9						
	99884.8 SLE ra~2 I -0.1 -1.8 18999.9 41.8 -41.8 -99884.8						
	J -0.1 -1.8 13195.2 -20.1 20.1 -25853.5 25853.5						
	94241.4 SLErar~1 I -0.1 -1.7 18039.7 38.7 -38.7 -94241.4						
	J -0.1 -1.7 12314.8 -18.7 18.7 -24442.4 24442.4						
	81316.7 SLE freq I -0.1 -1.3 15840.7 31.4 -31.4 -81316.7						
	J -0.1 -1.3 10298.4 -15.1 15.1 -21210.7 21210.7						
	58561.7 SLE qp I -0.0 -0.8 11969.2 18.7 -18.7 -58561.7						
	J -0.0 -0.8 6748.5 -8.9 8.9 -15521.1 15521.1						
	3017 I 20	SLU 1 I -0.0 0.1 -2077.6 -8.0 8.0 0.0 -					
	J -0.0 0.1 -12653.0 -3.0 3.0 -33869.1 33869.1						
	0.0 SLU 2 I -0.0 0.2 -2774.7 -9.1 9.1 0.0 -0.0						
	J -0.0 0.2 -11084.9 -3.6 3.6 -31866.7 31866.7						
	0.0 SLU 3 I -0.0 0.1 -2077.5 -7.6 7.6 0.0 -0.0						
	J -0.0 0.1 -10179.3 -2.7 2.7 -28181.2 28181.2						
	0.0 SLV X I 186.3 1587.8 -534.5 38918.3 38925.4 0.0						
	J 186.3 1587.8 -5754.7 16129.6 16132.8 -14460.5						
	16571.1 SLV Y I 620.9 499.9 0.7 12352.7 12359.9 0.1 0.1						
	J 620.9 499.9 -5219.5 5019.9 5023.1 -11999.5						
	19032.1 SLE ra~1 I -0.0 0.1 -1461.4 -5.6 5.6 0.0 -0.0						
	J -0.0 0.1 -8539.0 -2.1 2.1 -22993.4 22993.4						
	139404.9 SLE ra~2 I -0.0 0.1 -1926.2 -6.3 6.3 0.0 -0.0						
	J -0.0 0.1 -7493.6 -2.6 2.6 -21658.5 21658.5						
	61591.0 SLErar~1 I -0.0 0.1 -1461.3 -5.3 5.3 0.0 -0.0						
	J -0.0 0.1 -6889.9 -2.0 2.0 -19201.5 19201.5						
	16576.9 SLE freq I -0.0 0.1 -1345.1 -5.0 5.0 0.0 -0.0						
	J -0.0 0.1 -6738.9 -2.0 2.0 -18587.2 18587.2						
	68635.1 SLE qp I -0.0 0.1 -764.0 -3.6 3.6 0.0 -0.0						
	J -0.0 0.1 -5984.2 -1.6 1.6 -15515.8 15515.8						
	19039.1 3018 I 34	SLU 1 I 116.9 -0.0 -1474.8 0.3 -0.3 6490.3 -					
	105225.7 6490.3						



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

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RS3E	50	D 78 CL	FV0100 001	A	153 di 212

	J	116.9	-0.0	1471.7	-0.2	0.2	6452.7	-6452.7		J	128.0	24.3	1242.5	2131.3	2130.6	11737.6	8201.0			
7763.9	SLU 2	I	129.1	-0.0	-1752.7	0.6	-0.6	7763.9	-	SLE ra~1	I	61.5	0.0	-710.7	-1.1	1.1	3056.7	-3056.7		
	J	129.1	-0.0	1749.3	-0.4	0.4	7722.5	-7722.5		J	61.5	0.0	709.1	1.0	-1.0	3037.2	-3037.2			
7032.0	SLU 3	I	119.0	-0.0	-1593.1	0.3	-0.3	7032.0	-	SLE ra~2	I	69.6	0.0	-896.0	-1.2	1.2	3905.8	-3905.8		
	J	119.0	-0.0	1590.0	-0.1	0.1	6993.8	-6993.8		J	69.6	0.0	894.2	1.1	-1.1	3883.7	-3883.7			
31452.6	SLV X	I	270.4	58.8	2268.4	5006.9	5006.2	35015.0		SLE ra~1	I	58.1	0.0	-710.7	-1.2	1.2	3056.0	-3056.0		
	J	270.4	58.8	3132.8	5017.8	5018.3	34982.8		J	58.1	0.0	709.2	1.1	-1.1	3037.5	-3037.5				
31446.3	SLV Y	I	128.1	24.3	378.1	2099.5	2098.9	11758.8		SLE freq	I	55.1	0.0	-664.4	-0.9	0.9	2843.5	-2843.5		
8196.4	J	128.1	24.3	1242.5	2131.5	2132.1	11737.8	8201.3		J	55.1	0.0	662.9	0.8	-0.8	2826.0	-2826.0			
	SLE ra~1	I	80.9	-0.0	-1026.4	0.3	-0.3	4504.7	-	SLE qp	I	40.6	0.0	-432.7	-0.4	0.4	1781.1	-1781.1		
4504.7	J	80.9	-0.0	1024.3	-0.1	0.1	4478.7	-4478.7		J	40.6	0.0	431.7	0.4	-0.4	1768.3	-1768.3			
	SLE ra~2	I	89.1	-0.0	-1211.7	0.4	-0.4	5353.8	-	3020	I	2	SLU 1	I	-6848.4	-0.4	3267.7	14.5	-14.5	-10484.4
5353.8	J	89.1	-0.0	1209.4	-0.3	0.3	5325.2	-5325.2		10484.4	J	-6204.1	-0.4	3267.7	-15.3	15.3	25160.6	-25160.6		
	SLE ra~1	I	82.4	-0.0	-1105.3	0.2	-0.2	4865.9	-	9915.8	SLU 2	I	-6541.1	-0.4	3105.0	16.0	-16.0	-9915.8		
4865.9	J	82.4	-0.0	1103.2	-0.1	0.1	4839.5	-4839.5		J	-5896.8	-0.4	3105.0	-16.8	16.8	23954.2	-23954.2			
	SLE freq	I	67.3	-0.0	-861.7	0.4	-0.4	3748.5	-3748.5	8735.6	SLU 3	I	-6248.3	-0.4	2834.1	14.7	-14.7	-8735.6		
	J	67.3	-0.0	859.9	-0.2	0.2	3726.9	-3726.9		J	-5604.0	-0.4	2834.1	-15.5	15.5	22180.1	-22180.1			
	SLE qp	I	40.7	-0.0	-432.7	0.3	-0.3	1781.2	-1781.2	16990.7	SLV X	I	-2071.4	2678.0	3067.4	115307.5	115297.4	7674.1		
	J	40.7	-0.0	431.7	-0.3	0.3	1768.2	-1768.2		J	-1594.2	2678.0	3067.4	106087.2	106097.9	16470.0				
3019	I	34	SLU 1	I	87.7	0.0	-1001.2	-1.5	1.5	4318.3	-	45764.5	SLV Y	I	-383.8	803.5	7114.1	34599.8	34589.7	36447.9
4318.3	J	87.7	0.0	998.9	1.5	-1.5	4290.4	-4290.4		J	93.5	803.5	7114.1	31829.6	31840.3	31838.4				
	SLU 2	I	99.9	0.0	-1279.1	-1.8	1.8	5591.9	-5591.9	12073.8	SLE ra~1	I	-4670.6	-0.2	2210.4	10.1	-10.1	-7101.2		
	J	99.9	0.0	1276.5	1.7	-1.7	5560.2	-5560.2		7101.2	J	-4193.3	-0.2	2210.4	-10.6	10.6	17010.4	-17010.4		
	SLU 3	I	82.6	0.0	-1001.1	-1.7	1.7	4317.1	-4317.1	6722.1	SLE ra~2	I	-4465.7	-0.3	2101.9	11.0	-11.0	-6722.1		
	J	82.6	0.0	999.0	1.6	-1.6	4290.9	-4290.9		J	-3988.5	-0.3	2101.9	-11.6	11.6	16206.2	-16206.2			
31451.6	SLV X	I	270.3	58.8	2268.3	5003.6	5004.4	35013.9		5935.3	SLE ra~1	I	-4270.5	-0.3	1921.4	10.2	-10.2	-5935.3		
	J	270.3	58.8	3132.7	5015.8	5015.1	34981.9			J	-3793.3	-0.3	1921.4	-10.7	10.7	15023.5	-15023.5			
31445.3	SLV Y	I	128.0	24.3	378.1	2098.0	2098.8	11758.5		5697.7	SLE freq	I	-3721.7	-0.2	1741.9	8.3	-8.3	-5697.7		
8196.2	J	128.0	24.3	1242.5	2131.5	2132.1	11737.8	8201.3		J	-3244.4	-0.2	1741.9	-8.8	8.8	13303.3	-13303.3			



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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	SLE qp	I	-2795.8	-0.1	1333.0	5.1	-5.1	-4658.3	4658.3		J	1998.6	1.4	-229.8	30.7	-30.7	9007.7	-9007.7	
	J		-2318.6	-0.1	1333.0	-5.3	5.3	9882.3	-9882.3	8224.3	SLV X	I	1114.4	1377.6	-79.6	26896.5	26924.3	48822.5	
3021 I 2	SLU 1	I	-5629.2	-0.3	-3267.8	10.5	-10.5	12356.4	-12356.4	4910.4	J	1114.4	1377.6	5462.4	23771.7	23743.5	4915.0	-	
	J		-4984.8	-0.3	-3267.8	-11.1	11.1	-23289.5	23289.5	74765.6	SLV Y	I	1520.0	486.1	13550.3	10154.9	10182.6	115363.8	
11787.7	SLU 2	I	-5321.9	-0.3	-3105.0	12.0	-12.0	11787.7	-	4911.7	J	1520.0	486.1	19092.3	7707.9	7679.7	4913.8	-	
	J		-4677.5	-0.3	-3105.0	-12.7	12.7	-22083.2	22083.2	27442.6	SLE ra~1	I	1558.8	1.1	-7903.0	-17.1	17.1	27442.6	-
11074.9	SLU 3	I	-4724.5	-0.2	-2834.2	9.9	-9.9	11074.9	-		J	1558.8	1.1	-375.6	22.6	-22.6	7234.7	-7234.7	
	J		-4080.2	-0.2	-2834.2	-10.5	10.5	-19842.0	19842.0	25215.6	SLE ra~2	I	1482.3	1.2	-6797.9	-19.5	19.5	25215.6	-
7673.5	SLV X	I	-2071.2	2678.0	401.5	115303.9	115294.2	16991.6	-		J	1482.3	1.2	-864.6	24.9	-24.9	6511.8	-6511.8	
16469.5	J		-1593.9	2678.0	401.5	106084.3	106094.6	-3293.6	-	21171.5	SLEErar~1	I	1354.9	1.0	-5968.1	-14.8	14.8	21171.5	-
36447.5	SLV Y	I	-383.6	803.4	4448.2	34598.8	34589.1	45765.5	-		J	1354.9	1.0	-191.3	21.4	-21.4	6136.4	-6136.4	
31838.3	J		93.7	803.4	4448.2	31829.0	31839.3	12075.2	-	22357.8	SLE freq	I	1228.4	1.0	-6268.0	-16.2	16.2	22357.8	-
8349.2	SLE ra~1	I	-3857.8	-0.2	-2210.4	7.4	-7.4	8349.2	-		J	1228.4	1.0	-530.4	19.7	-19.7	5763.1	-5763.1	
	J		-3380.5	-0.2	-2210.4	-7.8	7.8	-15763.0	15763.0	20299.1	SLE qp	I	940.0	0.8	-5922.7	-13.9	13.9	20299.1	-
7970.1	SLE ra~2	I	-3652.9	-0.2	-2102.0	8.4	-8.4	7970.1	-		J	940.0	0.8	-380.7	14.1	-14.1	4912.7	-4912.7	
	J		-3175.6	-0.2	-2102.0	-8.8	8.8	-14958.9	14958.9	3023 I 8	SLU 1	I	68.0	0.1	-3163.5	-7.6	7.6	12374.8	-
7494.9	SLEErar~1	I	-3254.7	-0.2	-1921.4	7.0	-7.0	7494.9	-	12374.8	J	68.0	0.1	3167.2	9.2	-9.2	12414.7	-12414.7	
	J		-2777.4	-0.2	-1921.4	-7.4	7.4	-13464.7	13464.7	16529.4	SLU 2	I	76.9	0.1	-4199.6	-7.5	7.5	16529.4	-
6477.9	SLE freq	I	-3213.6	-0.2	-1741.9	6.6	-6.6	6477.9	-		J	76.9	0.1	4203.6	9.2	-9.2	16572.7	-16572.7	
	J		-2736.3	-0.2	-1741.9	-7.0	7.0	-12523.5	12523.5	13259.8	SLU 3	I	67.6	0.1	-3384.2	-9.2	9.2	13259.8	-
4659.0	SLE qp	I	-2795.6	-0.1	-1333.0	4.9	-4.9	4659.0	-		J	67.6	0.1	3387.9	11.2	-11.2	13299.0	-13299.0	
	J		-2318.3	-0.1	-1333.0	-5.1	5.1	-9881.6	9881.6	1891.2	SLV X	I	107.6	5.2	-533.1	434.0	434.6	1968.1	-
3022 I 20	SLU 1	I	2304.4	1.5	-11753.8	-24.2	24.2	40581.4	-40581.4		J	107.6	5.2	545.9	439.6	439.0	2028.5	-1868.0	
	J		2304.4	1.5	-506.2	32.4	-32.4	10655.1	-10655.1	1918.1	SLV Y	I	51.2	17.3	-537.0	1430.0	1430.6	1941.2	-
37240.9	SLU 2	I	2189.6	1.7	-10096.1	-27.8	27.8	37240.9	-		J	51.2	17.3	542.0	1447.2	1446.6	1972.4	-1924.2	
	J		2189.6	1.7	-1239.6	35.9	-35.9	9570.8	-9570.8	8442.9	SLE ra~1	I	47.5	0.1	-2162.9	-5.0	5.0	8442.9	-
31174.7	SLU 3	I	1998.6	1.4	-8851.5	-20.7	20.7	31174.7	-		J	47.5	0.1	2165.5	6.1	-6.1	8471.0	-8471.0	



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 156 di 212
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	J	186.3	1588.0	993.6	38929.9	38937.0	0.0	0.0		J	25.9	0.2	1525.1	15.3	-15.3	5869.8	-5869.8		
19039.1	SLV Y	I	621.0	499.9	6750.1	5022.8	5026.0	-12003.0	5205.8	SLE freq	I	24.1	0.2	-1360.0	-11.5	11.5	5205.8	-	
	J	621.0	499.9	1528.9	12356.3	12363.3	0.1	0.1		J	24.1	0.2	1360.9	14.4	-14.4	5215.1	-5215.1		
	SLE ra~1	I	-0.0	-0.1	9569.3	-3.6	3.6	-27188.9		SLE qp	I	17.5	0.1	-539.1	-8.4	8.4	1931.3	-1931.3	
	J	-0.0	-0.1	2253.6	-6.8	6.8	0.0	-0.0		J	17.5	0.1	539.9	10.5	-10.5	1939.3	-1939.3		
	SLE ra~2	I	-0.0	-0.1	8523.8	-4.1	4.1	-25853.5	3028	1	20	SLU 1	I	-0.1	1.7	-15775.1	-19.1	19.1	-33869.1
	J	-0.0	-0.1	2718.5	-7.5	7.5	0.0	-0.0	33869.1										
24442.4	SLEErar~1	I	-0.0	-0.1	8177.1	-3.8	3.8	-24442.4		J	-0.1	1.7	-26351.5	40.6	-40.6	-130737.6	130737.6		
	J	-0.0	-0.1	2451.5	-6.9	6.9	0.0	-0.0	31866.7	SLU 2	I	-0.1	2.0	-15601.5	-22.1	22.1	-31866.7		
	SLE freq	I	-0.0	-0.1	7383.1	-3.0	3.0	-21210.7		J	-0.1	2.0	-23912.6	46.6	-46.6	-122727.8	122727.8		
	J	-0.0	-0.1	1840.3	-5.7	5.7	0.0	-0.0	28181.2	SLU 3	I	-0.1	1.6	-13301.5	-18.0	18.0	-28181.2		
	SLE qp	I	-0.0	-0.1	5985.2	-1.6	1.6	-15521.1		J	-0.1	1.6	-21404.1	38.3	-38.3	-107985.4	107985.4		
	J	-0.0	-0.1	764.0	-3.5	3.5	0.0	-0.0	16571.1	SLV X	I	516.7	4389.1	-6318.5	39478.6	39496.6	-14460.5		
3027	1	8	SLU 1	I	39.1	0.2	-2205.5	-18.4	18.4	8501.3	-	J	516.7	4389.1	-11539.2	112661.1	112623.2	-55523.6	
8501.3									61580.2										
	J	39.1	0.2	2206.6	22.9	-22.9	8513.2	-8513.2		SLV Y	I	1721.8	1413.0	-5322.4	12766.7	12784.7	-11999.6		
12430.8	SLU 2	I	43.9	0.3	-3190.6	-21.0	21.0	12430.8	-	J	1721.8	1413.0	-10543.1	36200.7	36162.9	-48481.8			
	J	43.9	0.3	3191.9	26.2	-26.2	12445.6	-12445.6	68622.0										
8501.5	SLU 3	I	37.0	0.2	-2205.5	-17.4	17.4	8501.5	-	SLE ra~1	I	-0.1	1.2	-10696.8	-13.4	13.4	-22993.4		
	J	37.0	0.2	2206.6	21.7	-21.7	8513.6	-8513.6	22993.4	J	-0.1	1.2	-17775.0	28.5	-28.5	-88463.1	88463.1		
-1894.5	SLV X	I	272.5	568.5	-534.7	47371.5	47388.3	1968.2	21658.5	SLE ra~2	I	-0.1	1.4	-10581.0	-15.4	15.4	-21658.5		
	J	272.5	568.5	544.3	47366.1	47345.0	2008.6	-	J	-0.1	1.4	-16149.1	32.5	-32.5	-83123.2	83123.2			
1870.1									19201.5	SLEErar~1	I	-0.0	1.1	-9047.7	-12.7	12.7	-19201.5		
-1869.2	SLV Y	I	367.4	185.1	-533.6	15404.6	15421.4	1993.5		J	-0.0	1.1	-14476.8	27.0	-27.0	-73295.0	73295.0		
1849.9	J	367.4	185.1	545.4	15427.8	15406.7	2028.8	-	18587.2	SLE freq	I	-0.0	1.1	-8664.3	-12.2	12.2	-18587.2		
5860.7	SLE ra~1	I	27.3	0.2	-1524.3	-12.9	12.9	5860.7	-	J	-0.0	1.1	-14058.6	25.7	-25.7	-70837.6	70837.6		
	J	27.3	0.2	1525.1	16.1	-16.1	5869.5	-5869.5		SLE qp	I	-0.0	0.8	-6747.5	-9.0	9.0	-15515.8	15515.8	
8480.3	SLE ra~2	I	30.5	0.2	-2180.9	-14.6	14.6	8480.3	-	J	-0.0	0.8	-11968.2	18.9	-18.9	-58551.9	58551.9		
	J	30.5	0.2	2182.0	18.3	-18.3	8491.2	-8491.2	3029	1	8	SLU 1	I	-1.1	-0.1	-2307.7	11.0	-11.0	8907.9
5860.8	SLEErar~1	I	25.9	0.2	-1524.3	-12.3	12.3	5860.8	-	8907.9									
	J	-1.1	-0.1	2305.5	-13.7	13.7	8885.0	-8885.0		J	-1.1	-0.1	2305.5	-13.7	13.7	8885.0	-8885.0		



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Stazione di Catenanuova
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10872.9	SLU 2	I	-1.5	-0.2	-2800.2	12.2	-12.2	10872.9	-	1766.6	J	405.8	129.3	548.4	10765.6	10755.6	2082.0	-	
	J	-1.5	-0.2	2798.3	-15.2	15.2	10853.2	-10853.2			SLE ra~1	I	1.6	0.1	-1032.8	-6.4	6.4	3899.3	-3899.3
9744.7	SLU 3	I	-1.9	-0.1	-2517.3	11.1	-11.1	9744.7	-		J	1.6	0.1	1031.3	7.9	-7.9	3884.0	-3884.0	
	J	-1.9	-0.1	2515.6	-13.9	13.9	9726.1	-9726.1			SLE ra~2	I	1.4	0.1	-1361.1	-7.2	7.2	5209.1	-5209.1
-1897.8	SLV X	I	369.0	398.3	-537.0	33205.7	33197.8	1970.8			J	1.4	0.1	1359.8	8.8	-8.8	5195.9	-5195.9	
	J	369.0	398.3	542.0	33189.3	33199.2	1976.9	-			SLE rar~1	I	1.7	0.1	-1032.6	-6.1	6.1	3899.1	-3899.1
1871.7		J	369.0	398.3	542.0	33189.3	33199.2	1976.9	-		J	1.7	0.1	1031.5	7.5	-7.5	3886.7	-3886.7	
-1818.2	SLV Y	I	406.0	129.2	-530.6	10789.9	10781.9	2050.4			SLE freq	I	1.0	0.1	-950.5	-5.6	5.6	3571.7	-3571.7
	J	406.0	129.2	548.4	10758.6	10768.4	2082.0	-			J	1.0	0.1	949.4	6.9	-6.9	3560.0	-3560.0	
1766.6		J	406.0	129.2	548.4	10758.6	10768.4	2082.0	-		SLE qp	I	0.3	0.1	-540.0	-4.0	4.0	1934.3	-1934.3
6132.0	SLE ra~1	I	-0.8	-0.1	-1592.4	7.6	-7.6	6132.0	-		J	0.3	0.1	539.0	5.0	-5.0	1924.3	-1924.3	
	J	-0.8	-0.1	1591.0	-9.5	9.5	6116.6	-6116.6		3031	SLU 1	I	-0.1	0.0	30628.5	-0.3	0.3	-155879.5	155879.5
7442.0	SLE ra~2	I	-1.0	-0.1	-1920.7	8.4	-8.4	7442.0	-		J	-0.1	0.0	19697.0	0.1	-0.1	-40158.1	40158.1	
	J	-1.0	-0.1	1919.5	-10.5	10.5	7428.8	-7428.8		147869.8	SLU 2	I	-0.1	0.0	28189.6	-0.3	0.3	-147869.8	
6689.8	SLE rar~1	I	-1.3	-0.1	-1732.2	7.7	-7.7	6689.8	-		J	-0.1	0.0	19523.5	0.1	-0.1	-38155.4	38155.4	
	J	-1.3	-0.1	1731.0	-9.6	9.6	6677.4	-6677.4		139404.6	SLU 3	I	-0.1	0.0	26749.3	-0.2	0.2	-139404.6	
	SLE freq	I	-0.5	-0.1	-1300.3	6.4	-6.4	4967.2	-4967.2		J	-0.1	0.0	18202.9	0.1	-0.1	-36039.0	36039.0	
	J	-0.5	-0.1	1299.2	-8.0	8.0	4955.4	-4955.4		61594.3	SLV X	I	518.6	4363.4	12398.6	112002.4	112002.6	-55527.1	
	SLE qp	I	0.3	-0.1	-540.0	4.0	-4.0	1934.3	-1934.3		J	518.6	4363.4	7177.9	39262.7	39262.6	-14459.7		
	J	0.3	-0.1	539.0	-4.9	4.9	1924.3	-1924.3		16578.7	SLV Y	I	1728.7	1309.1	13400.2	33602.4	33602.6	-48448.7	
3030 5558.9	SLU 1	I	2.5	0.1	-1468.2	-9.1	9.1	5558.9	-		J	1728.7	1309.1	8179.5	11779.5	11779.4	-11987.5		
	J	2.5	0.1	1466.1	11.2	-11.2	5536.1	-5536.1		19051.0	SLE ra~1	I	-0.1	0.0	20626.4	-0.2	0.2	-105224.7	
	SLU 2	I	2.1	0.1	-1960.7	-10.3	10.3	7523.6	-7523.6		J	-0.1	0.0	13311.4	0.1	-0.1	-27186.1	27186.1	
	J	2.1	0.1	1958.8	12.7	-12.7	7503.9	-7503.9		105224.7	SLE ra~2	I	-0.1	0.0	19000.5	-0.2	0.2	-99884.8	
	SLU 3	I	2.6	0.1	-1468.0	-8.7	8.7	5558.6	-5558.6		J	-0.1	0.0	13195.8	0.1	-0.1	-25851.0	25851.0	
	J	2.6	0.1	1466.3	10.7	-10.7	5540.1	-5540.1		99884.8	SLE rar~1	I	-0.1	0.0	18040.3	-0.2	0.2	-94241.4	
-1897.8	SLV X	I	368.3	398.3	-537.0	33187.9	33195.9	1970.8			J	-0.1	0.0	12315.3	0.1	-0.1	-24440.0	24440.0	
	J	368.3	398.3	542.0	33189.5	33179.6	1976.9	-		94241.4	SLE freq	I	-0.1	0.0	15841.1	-0.1	0.1	-81316.3	81316.3
1871.7		J	368.3	398.3	542.0	33189.5	33179.6	1976.9	-		J	-0.1	0.0	10298.8	0.1	-0.1	-21208.5	21208.5	
-1818.2	SLV Y	I	405.8	129.3	-530.6	10778.9	10787.0	2050.4			SLE freq	I	-0.1	0.0	15841.1	-0.1	0.1	-81316.3	81316.3
	J	405.8	129.3	548.4	10758.6	10768.4	2082.0	-			J	-0.1	0.0	10298.8	0.1	-0.1	-21208.5	21208.5	

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	SLE qp	I	-0.0	0.0	11969.4	-0.1	0.1	-58560.7	58560.7		SLV Y	I	80.5	21.0	377.8	1632.6	1632.4	11732.7			
	J	-0.0	0.0	6748.7	0.1	-0.1	-15519.2	15519.2	8189.5		J	80.5	21.0	1242.2	2184.1	2184.2	11737.2	8192.5			
3032	1	20	SLU 1	I	-0.0	0.0	-2076.8	-0.1	0.1	-0.0	0.0		SLE ra-1	I	80.1	-0.0	-1025.3	0.4	-0.4	4485.4	-
	J	-0.0	0.0	-12652.1	0.0	-0.0	-33865.2	33865.2	4485.4		J	80.1	-0.0	1025.4	-0.0	0.0	4486.9	-4486.9			
	SLU 2	I	-0.0	0.0	-2774.0	-0.1	0.1	-0.0	0.0		SLE ra-2	I	88.2	-0.0	-1210.5	0.4	-0.4	5332.5	-		
	J	-0.0	0.0	-11084.2	0.0	-0.0	-31863.3	31863.3	5332.5		J	88.2	-0.0	1210.6	-0.0	0.0	5334.2	-5334.2			
	SLU 3	I	-0.0	0.0	-2076.8	-0.1	0.1	-0.0	0.0		SLErar-1	I	81.6	-0.0	-1104.2	0.4	-0.4	4846.2	-		
	J	-0.0	0.0	-10178.6	0.0	-0.0	-28178.0	28178.0	4846.2		J	81.6	-0.0	1104.3	0.0	-0.0	4847.8	-4847.8			
0.1	SLV X	I	187.0	1578.8	-533.3	38698.9	38699.0	0.1		SLE freq	I	66.6	-0.0	-860.8	0.3	-0.3	3732.4	-3732.4			
16573.0	J	187.0	1578.8	-5753.5	16028.6	16028.6	-14455.0			J	66.6	-0.0	860.9	-0.0	0.0	3733.7	-3733.7				
	SLV Y	I	623.3	473.7	4.0	11610.3	11610.4	0.2	0.2		SLE qp	I	40.3	-0.0	-432.2	0.1	-0.1	1771.6	-1771.6		
19044.0	J	623.3	473.7	-5216.2	4808.9	4808.9	-11984.0			J	40.3	-0.0	432.2	-0.0	0.0	1772.3	-1772.3				
	SLE ra-1	I	-0.0	0.0	-1460.9	-0.1	0.1	-0.0	0.0	3034	1	34	SLU 1	I	86.9	0.0	-1000.0	-0.4	0.4	4297.4	-
	J	-0.0	0.0	-8538.4	0.0	-0.0	-22990.8	22990.8	4297.4		J	86.9	0.0	1000.2	0.4	-0.4	4299.3	-4299.3			
	SLE ra-2	I	-0.0	0.0	-1925.7	-0.1	0.1	-0.0	0.0		SLU 2	I	99.0	0.0	-1277.7	-0.5	0.5	5568.1	-5568.1		
	J	-0.0	0.0	-7493.1	0.0	-0.0	-21656.2	21656.2		J	99.0	0.0	1277.9	0.5	-0.5	5570.2	-5570.2				
	SLErar-1	I	-0.0	0.0	-1460.9	-0.0	0.0	-0.0	0.0		SLU 3	I	81.9	0.0	-1000.0	-0.3	0.3	4297.5	-4297.5		
	J	-0.0	0.0	-6889.4	0.0	-0.0	-19199.3	19199.3		J	81.9	0.0	1000.2	0.5	-0.5	4299.2	-4299.2				
	SLE freq	I	-0.0	0.0	-1344.7	-0.0	0.0	-0.0	0.0	31426.9	SLV X	I	119.4	57.8	2267.0	4866.9	4867.3	34969.9			
	J	-0.0	0.0	-6738.5	0.0	-0.0	-18585.1	18585.1		J	119.4	57.8	3131.4	5032.5	5032.2	34974.5					
	SLE qp	I	-0.0	0.0	-763.6	-0.0	0.0	-0.0	0.0	31429.8	SLV Y	I	80.4	21.0	377.7	1631.5	1631.9	11732.2			
	J	-0.0	0.0	-5983.8	0.0	-0.0	-15514.0	15514.0		J	80.4	21.0	1242.2	2183.5	2183.2	11736.9	8192.2				
3033	1	34	SLU 1	I	115.7	-0.0	-1473.1	0.5	-0.5	6462.3	-		SLE ra-1	I	60.9	0.0	-709.9	-0.3	0.3	3042.1	-3042.1
6462.3	J	115.7	-0.0	1473.3	0.0	-0.0	6464.5	-6464.5	8189.2		J	60.9	0.0	710.0	0.3	-0.3	3043.4	-3043.4			
7733.0	SLU 2	I	127.8	-0.0	-1750.9	0.6	-0.6	7733.0	-		SLE ra-2	I	69.0	0.0	-895.0	-0.3	0.3	3889.2	-3889.2		
	J	127.8	-0.0	1751.1	-0.0	0.0	7735.5	-7735.5		J	69.0	0.0	895.2	0.3	-0.3	3890.7	-3890.7				
7003.6	SLU 3	I	117.9	-0.0	-1591.4	0.6	-0.6	7003.6	-		SLErar-1	I	57.6	0.0	-709.9	-0.2	0.2	3042.1	-3042.1		
	J	117.9	-0.0	1591.6	0.0	-0.0	7005.9	-7005.9		J	57.6	0.0	710.0	0.3	-0.3	3043.4	-3043.4				
31427.9	SLV X	I	119.4	57.8	2267.1	4869.8	4869.5	34971.0		SLE freq	I	54.6	0.0	-663.6	-0.3	0.3	2830.4	-2830.4			
31430.8	J	119.4	57.8	3131.5	5034.9	5035.0	34975.4		J	54.6	0.0	663.7	0.2	-0.2	2831.5	-2831.5					



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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147870.0	SLU 2	I	-0.1	2.6	28188.8	-61.0	61.0	-147870.0	19032.1	J	620.9	499.8	-5219.5	5023.2	5020.0	-11999.5		
	J	-0.1	2.6	19522.8	29.4	-29.4	-38159.1	38159.1	SLE ra~1	I	-0.0	-0.1	-1461.4	5.5	-5.5	0.0	-0.0	
139404.9	SLU 3	I	-0.1	2.4	26748.6	-56.3	56.3	-139404.9		J	-0.0	-0.1	-8539.0	2.1	-2.1	-22993.4	22993.4	
	J	-0.1	2.4	18202.2	27.2	-27.2	-36042.5	36042.5	SLE ra~2	I	-0.0	-0.1	-1926.2	6.2	-6.2	0.0	-0.0	
61591.0	SLV X	I	516.7	4390.1	12398.3	112649.8	112687.7	-55532.4		J	-0.0	-0.1	-7493.6	2.6	-2.6	-21658.5	21658.5	
16576.9	J	516.7	4390.1	7177.6	39502.5	39484.4	-14465.2		SLEErar~1	I	-0.0	-0.1	-1461.3	5.2	-5.2	0.0	-0.0	
68635.1	SLV Y	I	1721.9	1413.3	13394.6	36171.8	36209.7	-48488.4		J	-0.0	-0.1	-6889.9	2.0	-2.0	-19201.5	19201.5	
19039.1	J	1721.9	1413.3	8173.9	12786.8	12768.8	-12003.1		SLE freq	I	-0.0	-0.1	-1345.1	4.9	-4.9	0.0	-0.0	
105225.7	SLE ra~1	I	-0.1	1.6	20626.0	-38.1	38.1	-105225.7		J	-0.0	-0.1	-6738.9	2.1	-2.1	-18587.2	18587.2	
99884.8	J	-0.1	1.6	13311.0	18.3	-18.3	-27188.9	27188.9	3048	I	115.7	0.0	-1473.3	-0.2	0.2	6464.7	-6464.7	
	SLE ra~2	I	-0.1	1.8	18999.9	-42.1	42.1	-99884.8	6464.7	J	115.7	0.0	1473.1	0.7	-0.7	6462.1	-6462.1	
94241.4	J	-0.1	1.8	13195.2	20.3	-20.3	-25853.5	25853.5	SLU 2	I	127.8	0.0	-1751.1	-0.2	0.2	7735.7	-7735.7	
81316.7	SLEErar~1	I	-0.1	1.7	18039.7	-39.0	39.0	-94241.4		J	127.8	0.0	1750.9	0.8	-0.8	7732.8	-7732.8	
58561.7	J	-0.1	1.7	12314.8	18.9	-18.9	-24442.4	24442.4	SLU 3	I	117.8	0.0	-1591.6	-0.1	0.1	7006.0	-7006.0	
3047	SLE freq	I	-0.1	1.4	15840.7	-31.7	31.7	-81316.7	31430.7	J	117.8	0.0	1591.4	0.8	-0.8	7003.4	-7003.4	
0.0	J	-0.1	1.4	10298.4	15.3	-15.3	-21210.7	21210.7	31427.9	SLV X	I	119.4	57.8	2267.0	5034.8	5035.1	34975.5	
	SLE qp	I	-0.0	0.8	11969.2	-19.0	19.0	-58561.7		J	119.4	57.8	3131.4	4869.8	4869.4	34970.9		
	J	-0.0	0.8	6748.5	9.0	-9.0	-15521.1	15521.1	8192.4	SLV Y	I	80.5	21.0	377.7	2184.1	2184.3	11737.2	
	SLU 1	I	-0.0	-0.1	-2077.6	7.8	-7.8	0.0	4487.0	J	80.5	21.0	1242.1	1632.5	1632.1	11732.6	8189.6	
	J	-0.0	-0.1	-12653.0	3.0	-3.0	-33869.1	33869.1		SLE ra~1	I	80.1	0.0	-1025.5	-0.1	0.1	4487.0	-
	SLU 2	I	-0.0	-0.2	-2774.7	8.9	-8.9	0.0	5334.4	J	80.1	0.0	1025.3	0.5	-0.5	4485.2	-4485.2	
	J	-0.0	-0.2	-11084.9	3.6	-3.6	-31866.7	31866.7		SLE ra~2	I	88.2	0.0	-1210.6	-0.1	0.1	5334.4	-
	SLU 3	I	-0.0	-0.1	-2077.5	7.5	-7.5	0.0	4847.9	J	88.2	0.0	1210.5	0.6	-0.6	5332.4	-5332.4	
	J	-0.0	-0.1	-10179.3	2.8	-2.8	-28181.2	28181.2		SLEErar~1	I	81.6	0.0	-1104.3	-0.1	0.1	4847.9	-
	SLV X	I	186.3	1587.7	-534.5	38925.2	38918.2	0.0		J	81.6	0.0	1104.2	0.5	-0.5	4846.1	-4846.1	
	J	186.3	1587.7	-5754.7	16132.4	16129.2	-14460.5		SLE freq	I	66.6	0.0	-860.9	-0.1	0.1	3733.8	-3733.8	
	SLV Y	I	620.9	499.8	0.7	12360.2	12353.2	0.1	0.1	J	66.6	0.0	860.7	0.4	-0.4	3732.3	-3732.3	
										SLE qp	I	40.3	0.0	-432.3	-0.1	0.1	1772.4	-1772.4



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 165 di 212
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7494.9	SLErar-1	I	-3254.7	0.2	-1921.4	-7.1	7.1	7494.9	-	3053	1	8	SLU 1	I	70.2	-0.0	-3164.8	2.7	-2.7	12374.8	-	12374.8
	J		-2777.4	0.2	-1921.4	7.5	-7.5	-13464.7	13464.7				J		70.2	-0.0	3165.9	-1.1	1.1	12386.3	-	12386.3
6477.9	SLE freq	I	-3213.6	0.2	-1741.9	-6.8	6.8	6477.9	-	16529.4			SLU 2	I	79.3	-0.0	-4201.0	2.7	-2.7	16529.4	-	16529.4
	J		-2736.3	0.2	-1741.9	7.1	-7.1	-12523.5	12523.5				J		79.3	-0.0	4202.2	-1.1	1.1	16542.0	-	16542.0
4659.0	SLE qp	I	-2795.6	0.1	-1333.0	-5.0	5.0	4659.0	-	13259.9			SLU 3	I	69.7	-0.0	-3385.5	3.6	-3.6	13259.9	-	13259.9
	J		-2318.3	0.1	-1333.0	5.2	-5.2	-9881.6	9881.6				J		69.7	-0.0	3386.6	-1.6	1.6	13271.2	-	13271.2
3052 I 20	SLU 1	I	2304.4	-1.6	-11753.8	26.9	-26.9	40581.4	-	1916.7			SLV X	I	52.5	2.5	-537.4	217.8	218.3	1942.6	-	1942.6
-40581.4	J		2304.4	-1.6	-506.2	-33.2	33.2	10655.1	-10655.1				J		52.5	2.5	541.5	195.9	195.4	1960.7	-	1960.7
37240.9	SLU 2	I	2189.6	-1.8	-10096.1	30.4	-30.4	37240.9	-	1925.8			SLV Y	I	35.3	8.1	-538.7	709.2	709.7	1933.6	-	1933.6
	J		2189.6	-1.8	-1239.6	-36.7	36.7	9570.8	-9570.8				J		35.3	8.1	540.3	635.1	634.5	1942.8	-	1942.8
31174.7	SLU 3	I	1998.6	-1.5	-8851.5	23.0	-23.0	31174.7	-	8442.9			SLE ra-1	I	48.9	-0.0	-2163.8	1.8	-1.8	8442.9	-	8442.9
	J		1998.6	-1.5	-229.8	-31.4	31.4	9007.7	-9007.7				J		48.9	-0.0	2164.6	-0.7	0.7	8451.0	-	8451.0
8224.3	SLV X	I	1114.4	1376.1	-79.6	26925.8	26895.9	48822.5	-	11212.6			SLE ra-2	I	55.0	-0.0	-2854.6	1.8	-1.8	11212.6	-	11212.6
	J		1114.4	1376.1	5462.4	23743.3	23772.2	4915.0	-				J		55.0	-0.0	2855.4	-0.7	0.7	11221.5	-	11221.5
4910.4	SLV Y	I	1520.0	484.6	13550.3	10185.2	10155.2	115363.8	-	9032.9			SLErar-1	I	48.6	-0.0	-2310.9	2.4	-2.4	9032.9	-	9032.9
74765.5	J		1520.0	484.6	19092.3	7679.9	7708.7	4913.8	-				J		48.6	-0.0	2311.7	-1.1	1.1	9041.0	-	9041.0
4911.7	SLE ra-1	I	1558.8	-1.1	-7903.0	18.9	-18.9	27442.6	-	6866.1			SLE freq	I	42.3	-0.0	-1770.5	1.0	-1.0	6866.1	-	6866.1
27442.6	J		1558.8	-1.1	-375.6	-23.1	23.1	7234.7	-7234.7				J		42.3	-0.0	1771.1	-0.4	0.4	6873.3	-	6873.3
25215.6	SLE ra-2	I	1482.3	-1.3	-6797.9	21.3	-21.3	25215.6	-				SLE qp	I	27.8	0.0	-539.2	-0.3	0.3	1929.7	-	1929.7
	J		1482.3	-1.3	-864.6	-25.4	25.4	6511.8	-6511.8				J		27.8	0.0	539.7	0.3	-0.3	1935.1	-	1935.1
21171.5	SLErar-1	I	1354.9	-1.0	-5968.1	16.4	-16.4	21171.5	-	3054	1	20	SLU 1	I	2304.4	2.3	3972.8	-38.4	38.4	10655.1	-	10655.1
	J		1354.9	-1.0	-191.3	-21.9	21.9	6136.4	-6136.4				J		2304.4	2.3	15620.5	45.5	-45.5	58481.8	-	58481.8
22357.8	SLE freq	I	1228.4	-1.0	-6268.0	17.6	-17.6	22357.8	-	9570.8			SLU 2	I	2189.6	2.5	4706.0	-42.0	42.0	9570.8	-	9570.8
	J		1228.4	-1.0	-530.4	-20.1	20.1	5763.1	-5763.1				J		2189.6	2.5	13962.6	49.2	-49.2	55140.2	-	55140.2
20299.1	SLE qp	I	940.0	-0.8	-5922.7	15.0	-15.0	20299.1	-	9007.7			SLU 3	I	1998.6	2.3	4561.6	-38.2	38.2	9007.7	-	9007.7
	J		940.0	-0.8	-380.7	-14.4	14.4	4912.7	-4912.7				J		1998.6	2.3	13683.4	47.3	-47.3	53543.0	-	53543.0
													SLV X	I	1114.3	1376.9	6225.3	23737.8	23766.1	4915.0	-	4915.0



DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 166 di 212
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8217.5	J	1114.3	1376.9	11767.2	26905.3	26877.5	48829.8		J	37.8	0.1	3300.9	4.6	-4.6	12949.7	-12949.7		
-4911.7	SLV Y	I	1519.7	486.0	19855.1	7678.3	7706.6	4913.8	11440.0	SLErar~1	I	34.7	0.1	-2923.3	-8.6	8.6	11440.0 -	
74759.2	J	1519.7	486.0	25397.1	10178.2	10150.4	115371.5		J	34.7	0.1	2923.8	4.3	-4.3	11445.5	-11445.5		
7234.7	SLE ra~1	I	1558.8	1.6	2686.7	-26.6	26.6	7234.7 -		SLE freq	I	28.8	0.1	-2059.7	-7.0	7.0	7995.6 -7995.6	
6511.8	J	1558.8	1.6	10480.9	31.3	-31.3	39376.2	-39376.2		J	28.8	0.1	2060.2	3.5	-3.5	8000.2	-8000.2	
6136.4	SLE ra~2	I	1482.2	1.7	3175.5	-28.9	28.9	6511.8 -		SLE qp	I	17.9	0.0	-539.3	-4.2	4.2	1931.3 -1931.3	
5763.1	J	1482.2	1.7	9375.6	33.7	-33.7	37148.5	-37148.5		J	17.9	0.0	539.6	2.1	-2.1	1934.6	-1934.6	
4912.7	SLErar~1	I	1354.9	1.6	3079.2	-26.4	26.4	6136.4 -	3056	SLU 1	I	-0.0	0.1	14198.4	5.2	-5.2	40162.2	
3055	J	1354.9	1.6	9189.4	32.5	-32.5	36083.7	-36083.7	40162.2	J	-0.0	0.1	3265.9	10.0	-10.0	0.0	-0.0	
15196.4	SLE freq	I	1228.4	1.3	1975.2	-22.2	22.2	5763.1 -		SLU 2	I	-0.0	0.1	12630.1	5.9	-5.9	-38159.1	38159.1
19126.2	J	1228.4	1.3	7879.5	25.1	-25.1	29818.1	-29818.1		J	-0.0	0.1	3963.1	11.0	-11.0	0.0	-0.0	
16870.3	SLE qp	I	940.0	0.8	382.2	-14.1	14.1	4912.7 -	16576.9	SLU 3	I	-0.0	0.1	12110.1	5.6	-5.6	-36042.5	36042.5
-1907.2	J	940.0	0.8	5924.1	13.9	-13.9	20306.2	-20306.2		J	-0.0	0.1	3562.8	10.1	-10.1	0.0	-0.0	
1891.3	SLU 1	I	49.9	0.1	-3884.4	-12.1	12.1	15196.4 -	19039.1	SLV X	I	186.3	1588.2	6214.8	16143.2	16139.9	-14465.2	
-1873.0	J	49.9	0.1	3885.1	6.0	-6.0	15204.2	-15204.2		J	186.3	1588.2	993.6	38937.3	38930.2	0.0	0.0	
1831.5	SLU 2	I	54.8	0.1	-4869.6	-13.4	13.4	19126.2 -		SLV Y	I	621.0	500.1	6750.1	5026.5	5023.3	-12003.0	
10324.1	J	54.8	0.1	4870.4	6.7	-6.7	19134.5	-19134.5		J	621.0	500.1	1528.9	12363.9	12356.7	0.1	0.1	
12944.0	SLU 3	I	50.2	0.1	-4304.1	-12.4	12.4	16870.3 -		SLE ra~1	I	-0.0	0.1	9569.3	3.6	-3.6	-27188.9	27188.9
	J	50.2	0.1	4304.8	6.1	-6.1	16878.1	-16878.1		J	-0.0	0.1	2253.6	6.9	-6.9	0.0	-0.0	
	SLV X	I	157.8	566.7	-537.5	47222.0	47230.4	1955.4		SLE ra~2	I	-0.0	0.1	8523.8	4.1	-4.1	-25853.5	25853.5
	J	157.8	566.7	541.4	47226.3	47222.0	1977.9	-		J	-0.0	0.1	2718.5	7.6	-7.6	0.0	-0.0	
	SLV Y	I	321.3	176.8	-536.3	14741.4	14749.8	1989.7		SLErar~1	I	-0.0	0.1	8177.1	3.8	-3.8	-24442.4	24442.4
	J	321.3	176.8	542.7	14712.3	14708.0	2037.6	-		J	-0.0	0.1	2451.5	7.0	-7.0	0.0	-0.0	
	SLE ra~1	I	34.5	0.1	-2643.6	-8.4	8.4	10324.1 -	3057	SLE freq	I	-0.0	0.1	7383.1	3.0	-3.0	-21210.7	21210.7
	J	34.5	0.1	2644.1	4.2	-4.2	10329.5	-10329.5	8501.3	J	-0.0	0.1	1840.3	5.8	-5.8	0.0	-0.0	
	SLE ra~2	I	37.8	0.1	-3300.4	-9.3	9.3	12944.0 -	12430.8	SLE qp	I	-0.0	0.1	5985.2	1.6	-1.6	-15521.1	15521.1
	J	37.8	0.1	3300.4	9.3	-9.3	12944.0	-		J	-0.0	0.1	764.0	3.6	-3.6	0.0	-0.0	
										SLU 1	I	40.0	-0.1	-2205.8	8.8	-8.8	8501.3 -	
										J	40.0	-0.1	2206.3	-4.4	4.4	8507.1	-8507.1	
										SLU 2	I	44.9	-0.1	-3191.0	10.2	-10.2	12430.8 -	
										J	44.9	-0.1	3191.5	-5.1	5.1	12437.1	-12437.1	

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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1907.2	SLU 3	I	37.8	-0.1	-2205.8	8.4	-8.4	8501.5	-8501.5	22993.4	SLE ra~1	I	-0.1	-1.2	-10696.8	13.3	-13.3	-22993.4	
	J	37.8	-0.1	2206.3	-4.2	4.2	8506.9	-8506.9	J		-0.1	-1.2	-17775.0	-28.1	28.1	-88463.1	88463.1		
1891.3	SLV X	I	157.7	566.5	-537.5	47216.6	47208.4	1955.4		21658.5	SLE ra~2	I	-0.1	-1.4	-10581.0	15.2	-15.2	-21658.5	
	J	157.7	566.5	541.4	47208.4	47212.5	1977.9	-	J		-0.1	-1.4	-16149.1	-32.2	32.2	-83123.2	83123.2		
1873.0	SLV Y	I	321.2	176.6	-536.3	14745.6	14737.4	1989.7		19201.5	SLErar~1	I	-0.0	-1.1	-9047.7	12.6	-12.6	-19201.5	
	J	321.2	176.6	542.7	14704.0	14708.1	2037.6	-	J		-0.0	-1.1	-14476.8	-26.7	26.7	-73295.0	73295.0		
5860.7	SLE ra~1	I	27.9	-0.1	-1524.5	6.2	-6.2	5860.7	-	18587.2	SLE freq	I	-0.0	-1.1	-8664.3	12.1	-12.1	-18587.2	
	J	27.9	-0.1	1524.9	-3.1	3.1	5864.8	-5864.8	J		-0.0	-1.1	-14058.6	-25.4	25.4	-70837.6	70837.6		
8480.3	SLE ra~2	I	31.2	-0.1	-2181.2	7.1	-7.1	8480.3	-	3059 8907.9	SLE qp	I	-0.0	-0.8	-6747.5	8.9	-8.9	-15515.8	15515.8
	J	31.2	-0.1	2181.7	-3.6	3.6	8484.8	-8484.8	J		-0.0	-0.8	-11968.2	-18.7	18.7	-58551.9	58551.9		
5860.8	SLErar~1	I	26.5	-0.1	-1524.5	5.9	-5.9	5860.8	-	3059 8907.9	SLU 1	I	-1.0	0.1	-2306.7	-5.8	5.8	8907.9	-
	J	26.5	-0.1	1524.8	-3.0	3.0	5864.7	-5864.7	J		-1.0	0.1	2306.5	2.9	-2.9	8906.4	-8906.4		
5205.9	SLE freq	I	24.7	-0.1	-1360.3	5.6	-5.6	5205.9	-	3059 8907.9	SLU 2	I	-1.4	0.1	-2799.3	-6.4	6.4	10872.9	-10872.9
	J	24.7	-0.1	1360.7	-2.8	2.8	5209.7	-5209.7	J		-1.4	0.1	2799.2	3.2	-3.2	10871.3	-10871.3		
	SLE qp	I	17.9	-0.0	-539.3	4.1	-4.1	1931.3	-1931.3	3059 8907.9	SLU 3	I	-1.8	0.1	-2516.5	-5.9	5.9	9744.7	-9744.7
	J	17.9	-0.0	539.6	-2.0	2.0	1934.6	-1934.6	J		-1.8	0.1	2516.4	2.9	-2.9	9743.1	-9743.1		
33869.1	SLU 1	I	-0.1	-1.7	-15775.1	18.8	-18.8	-33869.1		1872.4	SLV X	I	188.0	396.7	-537.7	33042.6	33046.7	1970.7	
	J	-0.1	-1.7	26351.5	-40.0	40.0	-130737.6	130737.6	J		188.0	396.7	541.3	33073.1	33071.0	1994.7	-		
31866.7	SLU 2	I	-0.1	-2.0	-15601.5	21.8	-21.8	-31866.7		1729.8	SLV Y	I	351.8	123.7	-533.8	10256.5	10260.6	2050.0	
	J	-0.1	-2.0	23912.6	-46.1	46.1	-122727.8	122727.8	J		351.8	123.7	545.2	10349.6	10347.5	2137.4	-		
28181.2	SLU 3	I	-0.1	-1.6	-13301.5	17.8	-17.8	-28181.2		6689.8	SLE ra~1	I	-0.7	0.0	-1591.7	-4.0	4.0	6132.0	-6132.0
	J	-0.1	-1.6	21404.1	-37.9	37.9	-107985.4	107985.4	J		-0.7	0.0	1591.6	2.0	-2.0	6130.9	-6130.9		
16571.1	SLV X	I	516.7	4387.6	-6318.5	39497.0	39479.1	-14460.5		6689.8	SLE ra~2	I	-1.0	0.0	-1920.2	-4.4	4.4	7442.0	-7442.0
	J	516.7	4387.6	-11539.2	112624.0	112661.5	-55523.6		J		-1.0	0.0	1920.1	2.2	-2.2	7440.9	-7440.9		
19032.1	SLV Y	I	1721.8	1411.4	-5322.4	12785.1	12767.3	-11999.6		6689.8	SLErar~1	I	-1.3	0.0	-1731.6	-4.1	4.1	6689.8	-
	J	1721.8	1411.4	10543.1	36164.3	36201.7	-48481.8		J		-1.3	0.0	1731.5	2.0	-2.0	6688.7	-6688.7		
68622.0										6689.8	SLE freq	I	-0.5	0.0	-1299.8	-3.4	3.4	4967.2	-4967.2
											J	-0.5	0.0	1299.7	1.7	-1.7	4966.2	-4966.2	
											SLE qp	I	0.4	0.0	-539.5	-2.1	2.1	1934.3	-1934.3



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Stazione di Catenanuova		COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO													
Relazione di calcolo pensiline di banchina		RS3E	50	D 78 CL	FV0100 001	A	170 di 212													
5933.7	SLErar~1	I	-4272.7	0.2	1921.0	-10.9	10.9	-5933.7	J	2303.9	-3.4	-510.0	-70.1	70.1	10640.4	-10640.4				
	J	-3795.4	0.2	1921.0	2.8	-2.8	15020.8	-15020.8	37246.1	SLU 2	I	2189.2	-3.8	-10100.3	64.0	-64.0	37246.1	-		
5696.4	SLE freq	I	-3723.5	0.1	1741.5	-8.9	8.9	-5696.4	J	2189.2	-3.8	-1243.8	-77.4	77.4	9555.4	-9555.4				
	J	-3246.2	0.1	1741.5	2.3	-2.3	13301.0	-13301.0	31178.9	SLU 3	I	1998.3	-3.1	-8855.2	49.2	-49.2	31178.9	-		
	SLE qp	I	-2796.9	0.1	1332.8	-5.3	5.3	-4657.5	4657.5	J	1998.3	-3.1	-233.5	-66.5	66.5	8993.8	-8993.8			
	J	-2319.7	0.1	1332.8	1.4	-1.4	9880.7	-9880.7	7921.8	SLV X	I	1112.1	1363.3	-140.7	26790.2	26728.9	48526.0			
3066	1	2	SLU 1	I	-5631.4	0.2	-3267.2	-11.9	11.9	12354.9	-12354.9	J	1112.1	1363.3	5401.3	23442.1	23502.2	4919.2	-	
	J	-4987.1	0.2	-3267.2	3.3	-3.3	-23285.3	23285.3	4893.5	SLV Y	I	1513.8	502.0	13337.5	10765.4	10704.1	114334.3			
11786.3	SLU 2	I	-5324.5	0.2	-3104.6	-13.5	13.5	11786.3	-	73730.0	J	1513.8	502.0	18879.5	7772.1	7832.3	4910.5	-		
	J	-4680.1	0.2	-3104.6	3.7	-3.7	-22079.3	22079.3	4902.2	SLE ra~1	I	1558.5	-2.4	-7905.7	39.8	-39.8	27445.6	-		
11073.9	SLU 3	I	-4726.7	0.2	-2833.8	-11.2	11.2	11073.9	-	27445.6	J	1558.5	-2.4	-378.3	-48.8	48.8	7224.5	-7224.5		
	J	-4082.4	0.2	-2833.8	3.1	-3.1	-19838.5	19838.5	25219.4	SLE ra~2	I	1482.0	-2.7	-6800.9	44.7	-44.7	25219.4	-		
7541.7	SLV X	I	-2077.6	2678.3	383.2	115304.7	115315.8	16858.2	25219.4	J	1482.0	-2.7	-867.5	-53.7	53.7	6501.2	-6501.2			
	J	-1600.3	2678.3	383.2	106087.4	106084.3	-3361.8	21174.6	21174.6	SLErar~1	I	1354.7	-2.2	-5970.8	34.9	-34.9	21174.6	-		
16398.1	SLV Y	I	-409.9	803.7	4386.4	34591.6	34602.6	45322.1	21174.6	J	1354.7	-2.2	-194.0	-46.4	46.4	6126.8	-6126.8			
36005.7	J	67.4	803.7	4386.4	31834.7	31831.6	11842.9	22361.2	22361.2	SLE freq	I	1228.1	-2.2	-6270.5	36.9	-36.9	22361.2	-		
31602.8	SLE ra~1	I	-3859.4	0.1	-2210.1	-8.4	8.4	8348.2	-	22361.2	J	1228.1	-2.2	-532.9	-42.3	42.3	5754.4	-5754.4		
8348.2	J	-3382.1	0.1	-2210.1	2.3	-2.3	-15760.2	15760.2	20302.1	SLE qp	I	939.8	-1.6	-5924.6	30.6	-30.6	20302.1	-		
7969.2	SLE ra~2	I	-3654.7	0.1	-2101.6	-9.4	9.4	7969.2	-	20302.1	J	939.8	-1.6	-382.6	-30.1	30.1	4906.3	-4906.3		
	J	-3177.5	0.1	-2101.6	2.6	-2.6	-14956.3	14956.3	3068	1	8	SLU 1	I	68.0	-0.1	-3167.2	7.9	-7.9	12414.7	-
7494.2	SLErar~1	I	-3256.2	0.1	-1921.1	-7.9	7.9	7494.2	-	12414.7	J	68.0	-0.1	3163.5	-6.2	6.2	12374.8	-12374.8		
	J	-2779.0	0.1	-1921.1	2.2	-2.2	-13462.4	13462.4	16572.8	SLU 2	I	76.9	-0.1	-4203.6	7.9	-7.9	16572.8	-		
6477.0	SLE freq	I	-3215.1	0.1	-1741.6	-7.5	7.5	6477.0	-	16572.8	J	76.9	-0.1	4199.6	-6.3	6.3	16529.4	-16529.4		
	J	-2737.8	0.1	-1741.6	2.1	-2.1	-12521.3	12521.3	13299.1	SLU 3	I	67.6	-0.1	-3387.9	10.1	-10.1	13299.1	-		
4658.2	SLE qp	I	-2796.7	0.1	-1332.8	-5.5	5.5	4658.2	-	13299.1	J	67.6	-0.1	3384.2	-8.0	8.0	13259.8	-13259.8		
	J	-2319.4	0.1	-1332.8	1.5	-1.5	-9880.0	9880.0	1868.0	SLV X	I	107.6	5.2	-534.8	439.3	439.8	2028.5	-		
3067	1	20	SLU 1	I	2303.9	-3.4	-11757.7	56.5	-56.5	40585.4	-40585.4	J	107.6	5.2	544.1	434.8	434.3	1968.1	-1891.2	



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 171 di 212
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1924.2	SLV Y	I	51.2	17.3	-538.7	1447.4	1447.9	1972.4	-	6126.8	SLErar-1	I	1354.7	3.3	3082.4	-54.8	54.8	6126.8	-
	J		51.2	17.3	540.3	1431.3	1430.8	1941.2	-1918.1		J		1354.7	3.3	9192.6	67.3	-67.3	36089.4	-36089.4
8471.0	SLE ra-1	I	47.5	-0.1	-2165.5	5.2	-5.2	8471.0	-	5754.4	SLE freq	I	1228.1	2.7	1977.9	-46.3	46.3	5754.4	-
	J		47.5	-0.1	2162.9	-4.2	4.2	8442.9	-8442.9		J		1228.1	2.7	7882.3	52.5	-52.5	29822.8	-29822.8
11243.0	SLE ra-2	I	53.4	-0.1	-2856.4	5.3	-5.3	11243.0	-	4906.3	SLE qp	I	939.8	1.6	384.1	-29.8	29.8	4906.3	-
	J		53.4	-0.1	2853.6	-4.2	4.2	11212.6	-11212.6		J		939.8	1.6	5926.1	29.6	-29.6	20309.2	-20309.2
9060.6	SLErar-1	I	47.2	-0.1	-2312.6	6.7	-6.7	9060.6	-	3070 15215.8	8 SLU 1	I	48.7	0.3	-3885.7	-30.2	30.2	15215.8	-
	J		47.2	-0.1	2310.0	-5.4	5.4	9032.9	-9032.9		J		48.7	0.3	3883.9	24.0	-24.0	15196.4	-15196.4
6890.9	SLE freq	I	41.0	-0.0	-1772.0	3.2	-3.2	6890.9	-	19148.6	SLU 2	I	53.5	0.4	-4871.1	-33.5	33.5	19148.6	-
	J		41.0	-0.0	1769.7	-2.5	2.5	6866.0	-6866.0		J		53.5	0.4	4869.0	26.6	-26.6	19126.2	-19126.2
	SLE qp	I	27.0	0.0	-540.4	-0.3	0.3	1948.3	-1948.3	16891.7	SLU 3	I	48.9	0.3	-4305.4	-30.8	30.8	16891.7	-
	J		27.0	0.0	538.6	0.3	-0.3	1929.7	-1929.7		J		48.9	0.3	4303.4	24.5	-24.5	16870.2	-16870.2
3069 -10640.4	20 SLU 1	I	2303.9	4.7	3977.3	-79.9	79.9	10640.4	-	-1870.1	SLV X	I	272.4	568.7	-535.4	47358.9	47379.9	2008.6	-
	J		2303.9	4.7	15625.0	94.6	-94.6	58488.8	-58488.8		J		272.4	568.7	543.6	47402.2	47385.3	1968.2	-
9555.4	SLU 2	I	2189.2	5.2	4710.9	-87.3	87.3	9555.4	-	1894.5	SLV Y	I	367.3	185.2	-534.4	15411.4	15432.5	2028.8	-
	J		2189.2	5.2	13967.5	102.2	-102.2	55148.5	-	-1849.9	J		367.3	185.2	544.6	15426.1	15409.3	1993.5	-
55148.5	SLU 3	I	1998.3	4.8	4566.1	-79.2	79.2	8993.8	-	1869.2	SLE ra-1	I	33.7	0.2	-2644.4	-20.9	20.9	10337.9	-
	J		1998.3	4.8	13687.9	97.8	-97.8	53551.0	-53551.0	10337.9	J		33.7	0.2	2643.2	16.6	-16.6	10324.1	-10324.1
-4893.5	SLV X	I	1112.0	1365.9	6168.0	23436.5	23496.0	4919.2	-	12959.8	SLE ra-2	I	36.9	0.2	-3301.4	-23.1	23.1	12959.8	-
	J		1112.0	1365.9	11710.0	26769.7	26710.4	48533.3	-		J		36.9	0.2	3299.9	18.4	-18.4	12944.0	-12944.0
7915.0	SLV Y	I	1513.6	505.1	19646.2	7770.6	7830.2	4910.5	-	11455.2	SLErar-1	I	33.9	0.2	-2924.3	-21.3	21.3	11455.2	-
	J		1513.6	505.1	25188.2	10758.5	10699.3	114342.0	-		J		33.9	0.2	2922.9	17.0	-17.0	11440.0	-11440.0
73723.7	SLE ra-1	I	1558.5	3.3	2689.8	-55.3	55.3	7224.5	-	8008.0	SLE freq	I	28.1	0.2	-2060.5	-17.5	17.5	8008.0	-
	J		1558.5	3.3	10484.0	65.2	-65.2	39381.3	-39381.3		J		28.1	0.2	2059.4	13.9	-13.9	7995.5	-7995.5
7224.5	SLE ra-2	I	1482.0	3.5	3178.9	-60.3	60.3	6501.2	-	1939.3	SLE qp	I	17.5	0.1	-539.9	-10.5	10.5	1939.3	-
	J		1482.0	3.5	9379.0	70.2	-70.2	37154.4	-37154.4		J		17.5	0.1	539.1	8.4	-8.4	1931.3	-1931.3



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Stazione di Catenanuova
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	J	-0.0	-2.3	-14477.2	-54.1	54.1	-73289.1	73289.1		J	2.1	-0.1	1960.7	-10.2	10.2	7523.6	-7523.6	
18579.5	SLE freq	I	-0.0	-2.2	-8664.9	24.9	-24.9	-18579.5	5540.1	SLU 3	I	2.6	-0.1	-1466.3	10.6	-10.6	5540.1	-
	J	-0.0	-2.2	-14059.2	-51.9	51.9	-70832.7	70832.7		J	2.6	-0.1	1468.0	-8.6	8.6	5558.6	-5558.6	
15509.7	SLE qp	I	-0.0	-1.6	-6748.2	18.6	-18.6	-15509.7	-1871.7	SLV X	I	369.0	398.2	-536.0	33189.3	33179.4	1976.9	
	J	-0.0	-1.6	-11968.8	-38.5	38.5	-58548.6	58548.6		J	369.0	398.2	542.9	33187.8	33195.7	1970.8	-	
3074 8885.0	1 8 SLU 1	I	-1.1	0.1	-2305.5	-13.9	13.9	8885.0	-1766.6	SLV Y	I	406.0	129.2	-529.6	10765.8	10756.0	2082.0	
	J	-1.1	0.1	2307.7	11.1	-11.1	8907.9	-8907.9		J	406.0	129.2	549.4	10779.4	10787.3	2050.4	-	
10853.2	SLU 2	I	-1.5	0.2	-2798.3	-15.3	15.3	10853.2	1818.3	SLE ra~1	I	1.6	-0.1	-1031.3	7.8	-7.8	3884.0	-3884.0
	J	-1.5	0.2	2800.2	12.3	-12.3	10872.9	-10872.9		J	1.6	-0.1	1032.8	-6.3	6.3	3899.3	-3899.3	
9726.1	SLU 3	I	-1.9	0.2	-2515.6	-14.0	14.0	9726.1	-	SLE ra~2	I	1.4	-0.1	-1359.8	8.7	-8.7	5195.9	-5195.9
	J	-1.9	0.2	2517.3	11.2	-11.2	9744.7	-9744.7		J	1.4	-0.1	1361.1	-7.1	7.1	5209.1	-5209.1	
-1871.7	SLV X	I	368.5	398.4	-536.0	33189.7	33199.7	1976.9	3886.7	SLErar~1	I	1.7	-0.1	-1031.5	7.4	-7.4	3886.7	-
1897.8	J	368.5	398.4	542.9	33206.1	33198.0	1970.8	-		J	1.7	-0.1	1032.6	-6.0	6.0	3899.1	-3899.1	
-1766.6	SLV Y	I	405.9	129.4	-529.6	10759.0	10768.9	2082.0		SLE freq	I	1.0	-0.1	-949.4	6.9	-6.9	3560.0	-3560.0
	J	405.9	129.4	549.4	10790.4	10782.3	2050.4	-		J	1.0	-0.1	950.5	-5.6	5.6	3571.7	-3571.7	
1818.2	SLE ra~1	I	-0.8	0.1	-1591.0	-9.6	9.6	6116.6	-6116.6	SLE qp	I	0.3	-0.1	-539.0	4.9	-4.9	1924.3	-1924.3
	J	-0.8	0.1	1592.4	7.7	-7.7	6132.0	-6132.0	3076 155742.0	J	0.3	-0.1	540.0	-4.0	4.0	1934.3	-1934.3	
7428.8	SLE ra~2	I	-1.0	0.1	-1919.5	-10.6	10.6	7428.8	-	20 SLU 1	I	-0.2	8.3	30602.7	-191.5	191.5	-155742.0	
	J	-1.0	0.1	1920.7	8.5	-8.5	7442.0	-7442.0	147766.4	J	-0.2	8.3	19671.3	94.9	-94.9	-40139.2	40139.2	
6677.4	SLErar~1	I	-1.3	0.1	-1731.0	-9.7	9.7	6677.4	-	SLU 2	I	-0.2	9.1	28167.6	-210.6	210.6	-147766.4	
	J	-1.3	0.1	1732.2	7.8	-7.8	6689.8	-6689.8	139309.1	J	-0.2	9.1	19501.5	104.6	-104.6	-38153.5	38153.5	
	SLE freq	I	-0.5	0.1	-1299.2	-8.0	8.0	4955.4	-4955.4	SLU 3	I	-0.2	8.6	26728.7	-200.1	200.1	-139309.1	
	J	-0.5	0.1	1300.3	6.5	-6.5	4967.2	-4967.2	61498.9	J	-0.2	8.6	18182.2	99.3	-99.3	-36038.3	36038.3	
	SLE qp	I	0.3	0.1	-539.0	-5.0	5.0	1924.3	-1924.3	SLV X	I	504.6	4355.8	12370.1	111884.9	112005.0	-55488.3	
	J	0.3	0.1	540.0	4.0	-4.0	1934.3	-1934.3	16614.8	J	504.6	4355.8	7149.4	38999.2	38939.7	-14399.8		
3075 5536.1	1 8 SLU 1	I	2.5	-0.1	-1466.1	11.1	-11.1	5536.1	-	SLV Y	I	1680.3	1439.7	13330.6	36800.8	36920.9	-48764.1	
	J	2.5	-0.1	1468.2	-9.0	9.0	5558.9	-5558.9	68223.1	J	1680.3	1439.7	8109.9	13003.2	12943.7	-12092.8		
7503.9	SLU 2	I	2.1	-0.1	-1958.8	12.6	-12.6	7503.9	-	18921.7								



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Stazione di Catenanuova
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31366.9	J	429.5	58.6	3125.0	5048.8	5050.2	34844.9	16196.9	J	-3978.2	2.0	2100.7	101.5	-101.5	16196.9	-			
8180.5	SLV Y	I	182.0	23.6	375.7	2121.3	2120.2	11740.9	5931.7	SLErar-1	I	-4261.1	1.9	1920.2	-61.0	61.0	-5931.7		
	J	182.0	23.6	1240.1	2218.6	2220.0	11694.4	8216.4	J	-3783.9	1.9	1920.2	93.8	-93.8	15014.7	-15014.7			
	SLE ra-1	I	62.5	-0.0	-712.5	1.0	-1.0	3055.3	-3055.3	5693.2	SLE freq	I	-3713.6	1.5	1740.6	-49.9	49.9	-5693.2	
	J	62.5	-0.0	707.4	-4.5	4.5	2992.6	-2992.6	J	-3236.4	1.5	1740.6	76.7	-76.7	13293.3	-13293.3			
	SLE ra-2	I	70.8	-0.0	-898.0	1.2	-1.2	3904.2	-3904.2	4653.1	SLE qp	I	-2790.4	0.9	1331.5	-30.1	30.1	-4653.1	
	J	70.8	-0.0	892.2	-4.7	4.7	3833.3	-3833.3	J	-2313.1	0.9	1331.5	46.3	-46.3	9871.3	-9871.3			
3054.6	SLErar-1	I	59.1	-0.0	-712.3	1.1	-1.1	3054.6	-	3081	2	SLU 1	I	-5617.0	2.0	-3263.9	-65.6	65.6	12342.4
	J	59.1	-0.0	707.5	-5.3	5.3	2995.5	-2995.5	-12342.4	J	-4972.7	2.0	-3263.9	100.8	-100.8	-23261.2	23261.2		
	SLE freq	I	56.1	-0.0	-665.9	0.9	-0.9	2842.2	-2842.2	11777.5	SLU 2	I	-5309.0	2.3	-3102.2	-74.6	74.6	11777.5	
	J	56.1	-0.0	661.4	-3.1	3.1	2786.1	-2786.1	J	-4664.7	2.3	-3102.2	114.5	-114.5	-22062.9	22062.9			
	SLE qp	I	41.3	-0.0	-433.9	0.6	-0.6	1780.2	-1780.2	11064.2	SLU 3	I	-4713.3	1.9	-2831.3	-61.7	61.7	11064.2	
	J	41.3	-0.0	430.5	-0.7	0.7	1739.0	-1739.0	J	-4069.0	1.9	-2831.3	94.8	-94.8	-19821.0	19821.0			
3080	1	2	SLU 1	I	-6834.3	2.7	3264.7	-86.7	86.7	-10474.4	7385.8	SLV X	I	-2071.7	2682.6	364.3	115392.5	115453.0	16693.4
10474.4	J	-6190.0	2.7	3264.7	133.4	-133.4	25137.8	-	16329.2	J	-1594.4	2682.6	364.3	106312.0	106219.1	-3412.0			
25137.8	SLU 2	I	-6526.2	2.9	3103.0	-95.7	95.7	-9909.5	35432.7	SLV Y	I	-440.1	806.1	4308.2	34616.3	34676.8	44740.4		
9909.5	J	-5881.9	2.9	3103.0	147.1	-147.1	23939.5	-	31303.5	J	37.1	806.1	4308.2	31959.5	31866.6	11562.3			
23939.5	SLU 3	I	-6234.7	2.7	2832.3	-88.2	88.2	-8729.8	8340.1	SLE ra-1	I	-3849.3	1.4	-2207.9	-46.0	46.0	8340.1		
8729.8	J	-5590.3	2.7	2832.3	135.7	-135.7	22166.1	-	7963.5	J	-3372.1	1.4	-2207.9	70.6	-70.6	-15744.7	15744.7		
22166.1	SLV X	I	-2071.9	2682.7	3027.2	115396.2	115456.4	7386.3	SLV X	I	-2071.9	2682.7	3027.2	106315.1	106222.5	16329.7	-3412.9		
16692.5	J	-1594.7	2682.7	3027.2	106315.1	106222.5	16329.7	7963.5	SLV Y	I	-440.4	806.1	6971.1	34617.8	34678.0	35433.1	44739.3		
-3412.9	SLV Y	I	-440.4	806.1	6971.1	34617.8	34678.0	35433.1	J	-3166.7	1.6	-2100.2	79.7	-79.7	-14945.9	14945.9			
44739.3	J	36.9	806.1	6971.1	31960.6	31868.0	31303.5	7488.0	SLErar-1	I	-3246.9	1.3	-1919.6	-43.4	43.4	7488.0	-		
11560.9	SLE ra-1	I	-4660.9	1.8	2208.4	-60.0	60.0	-7094.7	J	-2769.6	1.3	-1919.6	66.6	-66.6	-13451.3	13451.3			
7094.7	J	-4183.6	1.8	2208.4	92.4	-92.4	16995.8	-16995.8	6471.8	SLE freq	I	-3206.4	1.3	-1740.2	-41.1	41.1	6471.8		
7094.7	SLE ra-2	I	-4455.5	2.0	2100.7	-66.0	66.0	-6718.2	J	-2729.1	1.3	-1740.2	63.1	-63.1	-12511.2	12511.2			
6718.2	J	-4183.6	1.8	2208.4	92.4	-92.4	16995.8	-16995.8	4653.8	SLE qp	I	-2790.1	0.9	-1331.5	-30.3	30.3	4653.8		



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	J	1557.3	5.0	10472.9	95.8	-95.8	39341.4	-39341.4		J	26.6	0.3	2062.6	25.5	-25.5	8008.0	-8008.0				
6523.5	SLE ra~2	I	1481.3	5.4	3166.7	-94.7	94.7	6523.5	-	SLE qp	I	16.6	0.2	-537.6	-17.0	17.0	1898.8	-			
	J	1481.3	5.4	9366.7	104.0	-104.0	37117.0	-		J	16.6	0.2	541.4	14.8	-14.8	1939.4	-1939.4				
37117.0									3086	I	20	SLU 1	I	-0.1	0.4	14193.4	20.2	-20.2	-40139.1		
6145.9	SLErar~1	I	1353.9	4.9	3071.5	-85.0	85.0	6145.9	-	40139.1											
	J	1353.9	4.9	9181.7	96.4	-96.4	36055.3	-36055.3		J	-0.1	0.4	3260.8	33.7	-33.7	-0.1	0.1				
5770.5	SLE freq	I	1227.4	4.1	1967.9	-73.2	73.2	5770.5	-	38153.4		SLU 2	I	-0.1	0.4	12628.9	22.9	-22.9	-38153.4		
	J	1227.4	4.1	7872.2	79.1	-79.1	29789.8	-29789.8		J	-0.1	0.4	3961.9	36.6	-36.6	-0.1	0.1				
4915.2	SLE qp	I	939.0	2.6	376.4	-48.4	48.4	4915.2	-	36038.3		SLU 3	I	-0.1	0.4	12109.2	20.9	-20.9	-36038.3		
	J	939.0	2.6	5918.4	48.5	-48.5	20280.7	-20280.7		J	-0.1	0.4	3561.8	35.5	-35.5	-0.0	0.0				
3085	I	8	SLU 1	I	46.1	0.6	-3880.4	-51.2	51.2	15122.7	-	16614.8		SLV X	I	181.8	1605.4	6223.0	16639.9	16625.6	-14399.7
15122.7										J	181.8	1605.4	1001.8	39067.8	39048.0	0.1	0.2				
	J	46.1	0.6	3889.1	44.7	-44.7	15215.8	-15215.8		18921.7		SLV Y	I	606.0	524.6	6724.6	5542.8	5528.5	-12092.8		
19049.9	SLU 2	I	50.6	0.6	-4865.4	-56.5	56.5	19049.9	-		J	606.0	524.6	1503.4	12780.1	12760.3	0.2	0.3			
	J	50.6	0.6	4874.6	49.3	-49.3	19148.7	-19148.7		27175.2		SLE ra~1	I	-0.0	0.3	9566.3	14.1	-14.1	-27175.2		
16796.9	SLU 3	I	46.3	0.6	-4300.0	-52.8	52.8	16796.9	-		J	-0.0	0.3	2250.6	23.2	-23.2	-0.0	0.0			
	J	46.3	0.6	4308.8	46.1	-46.1	16891.8	-16891.8		25851.4		SLE ra~2	I	-0.0	0.3	8523.3	15.9	-15.9	-25851.4		
-1768.9	SLV X	I	401.8	567.7	-531.0	47255.7	47289.7	2028.6			J	-0.0	0.3	2718.0	25.1	-25.1	-0.0	0.0			
1897.3		J	401.8	567.7	548.0	47333.7	47304.1	1981.5	-	24441.4		SLErar~1	I	-0.0	0.3	8176.8	14.5	-14.5	-24441.4		
											J	-0.0	0.3	2451.3	24.4	-24.4	-0.0	0.0			
-1769.3	SLV Y	I	429.9	186.0	-532.5	15461.9	15495.9	2028.2		21203.9		SLE freq	I	-0.0	0.2	7381.6	11.9	-11.9	-21203.9		
1858.1		J	429.9	186.0	546.5	15500.5	15470.8	2020.7	-		J	-0.0	0.2	1838.8	18.6	-18.6	-0.0	0.0			
10272.5	SLE ra~1	I	31.9	0.4	-2640.8	-35.4	35.4	10272.5	-			SLE qp	I	-0.0	0.1	5982.2	7.2	-7.2	-15507.2	15507.2	
	J	31.9	0.4	2646.8	30.9	-30.9	10338.0	-10338.0			J	-0.0	0.1	761.0	9.9	-9.9	-0.0	0.0			
12890.7	SLE ra~2	I	34.9	0.4	-3297.4	-38.9	38.9	12890.7	-	3087	I	8	SLU 1	I	37.3	-0.4	-2202.9	34.3	-34.3	8445.7	
	J	34.9	0.4	3303.9	34.0	-34.0	12959.9	-12959.9		8445.7											
11388.6	SLErar~1	I	32.1	0.4	-2920.5	-36.5	36.5	11388.6	-	12372.5		SLU 2	I	41.9	-0.4	-3187.9	39.6	-39.6	12372.5		
	J	32.1	0.4	2926.7	31.9	-31.9	11455.3	-11455.3			J	41.9	-0.4	3194.7	-34.4	34.4	12445.7	-12445.7			
7951.4	SLE freq	I	26.6	0.3	-2057.3	-29.2	29.2	7951.4	-	8450.7		SLU 3	I	35.3	-0.4	-2203.2	31.8	-31.8	8450.7		



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	J	35.3	-0.4	2209.0	-27.6	27.6	8513.6	-8513.6		J	0.0	-3.4	-17756.8	-78.3	78.3	-88350.0	88350.0
-1768.9	SLV X	I	401.8	567.2	-531.0	47275.7	47241.9	2028.6	21640.9	SLE ra~2	I	-0.0	-3.9	-10565.4	45.5	-45.5	-21640.9
1897.3	J	401.8	567.2	548.0	47290.3	47319.8	1981.5	-		J	-0.0	-3.9	-16133.5	-91.0	91.0	-83034.0	83034.0
-1769.3	SLV Y	I	429.9	185.5	-532.5	15491.6	15457.8	2028.2	19181.1	SLErar~1	I	0.0	-3.1	-9032.7	35.4	-35.4	-19181.1
1858.1	J	429.9	185.5	546.5	15466.8	15496.2	2020.7	-		J	0.0	-3.1	-14461.7	-70.7	70.7	-73205.4	73205.4
5821.2	SLE ra~1	I	26.1	-0.3	-1522.4	24.1	-24.1	5821.2	18570.6	SLE freq	I	-0.0	-3.2	-8650.4	36.9	-36.9	-18570.6
	J	26.1	-0.3	1526.9	-21.0	21.0	5869.6	-5869.6		J	-0.0	-3.2	-14044.8	-73.9	73.9	-70757.2	70757.2
8439.1	SLE ra~2	I	29.1	-0.3	-2179.0	27.7	-27.7	8439.1	15502.0	SLE qp	I	-0.0	-2.6	-6735.7	29.6	-29.6	-15502.0
	J	29.1	-0.3	2183.9	-24.1	24.1	8491.2	-8491.2		J	-0.0	-2.6	-11956.4	-59.7	59.7	-58483.8	58483.8
5824.5	SLErar~1	I	24.8	-0.3	-1522.6	22.5	-22.5	5824.5	3089 1 8 8942.7	SLU 1	I	-1.2	0.3	-2309.3	-22.2	22.2	8942.7
	J	24.8	-0.3	1526.8	-19.5	19.5	5869.8	-5869.8		J	-1.2	0.3	2303.9	20.3	-20.3	8885.0	-8885.0
5169.2	SLE freq	I	23.0	-0.2	-1358.3	22.1	-22.1	5169.2	10916.2	SLU 2	I	-1.6	0.3	-2802.2	-24.4	24.4	10916.2
	J	23.0	-0.2	1362.6	-19.3	19.3	5215.2	-5215.2		J	-1.6	0.3	2796.3	22.3	-22.3	10853.1	-10853.1
1898.8	SLE qp	I	16.6	-0.2	-537.6	16.9	-16.9	1898.8	9784.6	SLU 3	I	-2.0	0.3	-2519.2	-22.6	22.6	9784.6
	J	16.6	-0.2	541.4	-14.7	14.7	1939.4	-1939.4		J	-2.0	0.3	2513.7	20.8	-20.8	9726.1	-9726.1
3088 1 20 33822.7	SLU 1	I	0.0	-4.8	-15747.9	55.0	-55.0	-33822.7	-1844.1	SLV X	I	545.8	398.7	-536.6	33209.5	33224.9	2044.3
	J	0.0	-4.8	-26324.3	-110.5	110.5	-130566.0	130566.0		J	545.8	398.7	542.4	33225.9	33212.2	1976.8	-
31837.8	SLU 2	I	-0.0	-5.6	-15578.3	64.8	-64.8	-31837.8	-1721.3	SLV Y	I	456.3	130.1	-532.2	10827.4	10842.8	2167.0
	J	-0.0	-5.6	-23889.3	-129.6	129.6	-122591.9	122591.9		J	456.3	130.1	546.8	10851.2	10837.5	2082.0	-
28148.0	SLU 3	I	0.0	-4.3	-13279.1	49.7	-49.7	-28148.0	6156.5	SLE ra~1	I	-0.9	0.2	-1593.5	-15.4	15.4	6156.5
	J	0.0	-4.3	-21381.7	-99.1	99.1	-107849.1	107849.1		J	-0.9	0.2	1589.8	14.0	-14.0	6116.6	-6116.6
16609.0	SLV X	I	504.6	4349.7	-6323.2	38993.9	38934.6	-14395.1	7472.1	SLE ra~2	I	-1.1	0.2	-1922.1	-16.8	16.8	7472.1
61488.1	J	504.6	4349.7	-11543.9	111859.1	111978.6	-55479.5			J	-1.1	0.2	1918.1	15.4	-15.4	7428.7	-7428.7
18914.8	SLV Y	I	1680.1	1434.3	-5362.9	13001.5	12942.3	-12089.3	6717.8	SLErar~1	I	-1.4	0.2	-1733.5	-15.6	15.6	6717.8
68210.1	J	1680.1	1434.3	-10583.6	36793.3	36912.8	-48757.5			J	-1.4	0.2	1729.7	14.4	-14.4	6677.3	-6677.3
22964.2	SLE ra~1	I	0.0	-3.4	-10678.5	39.0	-39.0	-22964.2	4988.3	SLE freq	I	-0.6	0.1	-1301.3	-12.7	12.7	4988.3
	J	-0.6	0.1	1298.2	11.6	-11.6	4955.4	-4955.4		J	-0.6	0.1	1298.2	11.6	-11.6	4955.4	-4955.4



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11351.3	J	29.6	800.7	6933.1	31659.0	31985.1	31166.7	7499.4	SLErar~1	I	-3292.9	-4.1	-1924.6	102.5	-102.5	7499.4	-
7135.1	SLE ra~1	I	-4719.7	-5.6	2218.6	142.1	-142.1	-7135.1	J	-2815.6	-4.1	-1924.6	-233.9	233.9	-13494.4	13494.4	-
17066.3	J	-4242.4	-5.6	2218.6	-324.1	324.1	17066.3	6487.4	SLE freq	I	-3249.2	-3.9	-1745.5	97.0	-97.0	6487.4	-
6753.6	SLE ra~2	I	-4518.9	-6.2	2109.4	155.7	-155.7	-6753.6	J	-2771.9	-3.9	-1745.5	-221.4	221.4	-12553.7	12553.7	-
16256.9	J	-4041.6	-6.2	2109.4	-355.4	355.4	16256.9	4671.0	SLE qp	I	-2821.7	-2.8	-1336.4	71.3	-71.3	4671.0	-
5967.6	SLErar~1	I	-4319.4	-5.7	1928.7	143.9	-143.9	-5967.6	J	-2344.4	-2.8	-1336.4	-162.9	162.9	-9907.0	9907.0	-
15071.9	J	-3842.1	-5.7	1928.7	-328.5	328.5	15071.9	10594.9	3097 1 20 SLU 1	I	2311.1	-9.9	-11817.3	186.6	-186.6	40831.2	-40831.2
5721.0	SLE freq	I	-3762.6	-4.7	1747.6	117.8	-117.8	-5721.0	J	2311.1	-9.9	-569.7	-177.9	177.9	10594.9	-	
13342.8	J	-3285.3	-4.7	1747.6	-268.8	268.8	13342.8	9488.5	SLU 2	I	2195.6	-10.9	-10165.4	204.2	-204.2	37496.6	-
4670.3	SLE qp	I	-2822.0	-2.8	1336.4	71.5	-71.5	-4670.3	J	2195.6	-10.9	-1308.9	-195.5	195.5	9488.5	-	
3096 1 2 SLU 1	J	-2344.7	-2.8	1336.4	-163.1	163.1	9907.7	-9907.7	SLU 3	I	2004.1	-9.6	-8916.4	182.4	-182.4	31417.9	-
-12374.4	I	-5687.2	-6.2	-3275.1	155.5	-155.5	12374.4	7381.0	J	2004.1	-9.6	-294.8	-172.0	172.0	8933.7	-8933.7	
11802.0	J	-5042.9	-6.2	-3275.1	-354.8	354.8	-23351.6	23351.6	SLV X	I	1111.0	1292.1	-190.1	25723.5	25578.7	48160.1	-
11802.0	SLU 2	I	-5386.0	-7.0	-3111.3	175.9	-175.9	11802.0	J	1111.0	1292.1	5351.8	21971.3	22115.2	5218.5	-	
11082.1	J	-4741.7	-7.0	-3111.3	-401.7	401.7	-22137.7	22137.7	SLV Y	I	1502.7	534.2	12937.2	12033.0	11888.1	112486.6	-
11082.1	SLU 3	I	-4779.1	-5.8	-2839.1	146.0	-146.0	11082.1	J	1502.7	534.2	18479.2	7771.8	7915.7	4978.7	-	
7305.2	J	-4134.8	-5.8	-2839.1	-333.1	333.1	-19887.4	19887.4	SLE ra~1	I	1563.2	-6.9	-7947.6	129.3	-129.3	27613.8	-
16366.4	SLV X	I	-2041.5	2668.2	353.6	115221.2	115078.6	16647.2	J	1563.2	-6.9	-420.1	-123.5	123.5	7188.5	-7188.5	
35121.5	J	-1564.2	2668.2	353.6	105494.6	105820.4	-3447.6	25390.8	SLE ra~2	I	1486.2	-7.5	-6846.3	141.0	-141.0	25390.8	-
31166.6	SLV Y	I	-447.4	800.7	4260.4	34673.0	34530.3	44463.5	J	1486.2	-7.5	-912.9	-135.3	135.3	6450.9	-6450.9	
8360.9	J	29.8	800.7	4260.4	31658.5	31984.3	11352.7	21338.4	SLErar~1	I	1358.5	-6.7	-6013.7	126.5	-126.5	21338.4	-
7979.4	SLE ra~1	I	-3898.3	-4.3	-2215.3	108.8	-108.8	8360.9	J	1358.5	-6.7	-236.9	-119.6	119.6	6081.1	-6081.1	
7979.4	J	-3421.0	-4.3	-2215.3	-248.3	248.3	-15803.9	15803.9	SLE freq	I	1231.5	-5.8	-6306.5	109.2	-109.2	22495.6	-
7979.4	SLE ra~2	I	-3697.5	-4.9	-2106.1	122.5	-122.5	7979.4	J	1231.5	-5.8	-568.8	-105.5	105.5	5713.3	-5713.3	
7979.4	J	-3220.2	-4.9	-2106.1	-279.6	279.6	-14994.6	14994.6	SLE qp	I	942.3	-3.9	-5948.8	72.4	-72.4	20389.5	-
7979.4	J	-3220.2	-4.9	-2106.1	-279.6	279.6	-14994.6	14994.6	J	942.3	-3.9	-406.9	-72.0	72.0	4875.5	-4875.5	



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10650.7	SLE ra~1	I	28.9	0.7	-2661.4	-57.6	57.6	10650.7	-	J	-0.0	0.0	1843.2	24.4	-24.4	-0.1	0.1	
	J	28.9	0.7	2626.2	52.2	-52.2	10272.4	-10272.4	15534.0	SLE qp	I	-0.0	-0.0	5988.0	13.1	-13.1	-15534.0	
13263.3	SLE ra~2	I	31.7	0.7	-3318.0	-62.6	62.6	13263.3	-	J	-0.0	-0.0	766.8	12.1	-12.1	-0.1	0.1	
	J	31.7	0.7	3283.3	56.7	-56.7	12890.5	-12890.5	3102 1 8 8916.3	SLU 1	I	34.7	-0.4	-2228.0	36.1	-36.1	8916.3	-
11742.2	SLE rar~1	I	28.9	0.7	-2940.0	-61.2	61.2	11742.2	-	J	34.7	-0.4	2184.2	-32.1	32.1	8445.6	-8445.6	
	J	28.9	0.7	2907.1	55.4	-55.4	11388.5	-11388.5	12834.9	SLU 2	I	38.8	-0.5	-3212.8	43.6	-43.6	12834.9	-
8263.2	SLE freq	I	24.2	0.5	-2074.5	-45.9	45.9	8263.2	-	J	38.8	-0.5	3169.7	-38.8	38.8	12372.4	-12372.4	
	J	24.2	0.5	2045.4	41.5	-41.5	7951.3	-7951.3	8864.9	SLU 3	I	33.0	-0.3	-2225.3	29.6	-29.6	8864.9	-
2136.4	SLE qp	I	15.2	0.3	-550.5	-23.8	23.8	2136.4	-	J	33.0	-0.3	2186.8	-26.1	26.1	8450.6	-8450.6	
	J	15.2	0.3	528.4	21.5	-21.5	1898.7	-1898.7	-1722.1	SLV X	I	549.8	566.1	-525.6	47186.5	47139.0	2550.6	
3101 1 40214.9	20 SLU 1	I	-0.0	0.1	14209.8	42.5	-42.5	-40214.9	1741.3	J	549.8	566.1	553.4	47203.2	47245.9	2056.1	-	
	J	-0.0	0.1	3277.3	45.2	-45.2	-0.3	0.3	-1809.4	SLV Y	I	493.6	188.1	-534.5	15721.5	15674.1	2463.3	
38190.8	SLU 2	I	-0.0	0.0	12637.0	47.2	-47.2	-38190.8	1760.9	J	493.6	188.1	544.5	15684.2	15726.9	2036.4	-	
	J	-0.0	0.0	3970.0	48.9	-48.9	-0.2	0.2	6147.3	SLE ra~1	I	24.2	-0.3	-1539.8	25.9	-25.9	6147.3	-
36063.8	SLU 3	I	-0.0	0.1	12114.7	44.9	-44.9	-36063.8	6147.3	J	24.2	-0.3	1509.5	-23.0	23.0	5821.1	-5821.1	
	J	-0.0	0.1	3567.4	48.5	-48.5	-0.2	0.2	8759.6	SLE ra~2	I	26.9	-0.4	-2196.4	30.9	-30.9	8759.6	-
16859.2	SLV X	I	180.4	1624.2	6276.1	17103.2	17076.9	-14208.7	8759.6	J	26.9	-0.4	2166.5	-27.5	27.5	8439.0	-8439.0	
	J	180.4	1624.2	1054.9	39257.5	39233.4	0.2	0.5	6113.0	SLE rar~1	I	23.0	-0.2	-1538.1	21.6	-21.6	6113.0	-
19055.1	SLV Y	I	600.3	553.1	6753.5	5988.1	5961.8	-12012.8	6113.0	J	23.0	-0.2	1511.2	-19.1	19.1	5824.4	-5824.4	
	J	600.3	553.1	1532.3	13290.9	13266.8	0.3	0.6	5448.5	SLE freq	I	21.2	-0.3	-1373.5	26.1	-26.1	5448.5	-
27219.7	SLE ra~1	I	-0.0	0.0	9575.9	29.4	-29.4	-27219.7	5448.5	J	21.2	-0.3	1347.5	-23.3	23.3	5169.1	-5169.1	
	J	-0.0	0.0	2260.3	31.0	-31.0	-0.2	0.2	2136.3	SLE qp	I	15.2	-0.3	-550.5	23.7	-23.7	2136.3	-
25870.3	SLE ra~2	I	-0.0	0.0	8527.4	32.5	-32.5	-25870.3	2136.3	J	15.2	-0.3	528.4	-21.4	21.4	1898.7	-1898.7	
	J	-0.0	0.0	2722.1	33.5	-33.5	-0.1	0.1	3103 1 20 33959.2	SLU 1	I	-0.1	-5.7	-15862.1	71.9	-71.9	-33959.2	
24452.3	SLE rar~1	I	-0.0	0.1	8179.2	31.0	-31.0	-24452.3	31935.9	J	-0.1	-5.7	-26438.5	-126.0	126.0	-131227.6	131227.6	
	J	-0.0	0.1	2453.7	33.2	-33.2	-0.1	0.1	31935.9	SLU 2	I	-0.1	-6.9	-15687.9	86.4	-86.4	-31935.9	
21224.5	SLE freq	I	-0.0	0.0	7386.1	24.0	-24.0	-21224.5	31935.9	J	-0.1	-6.9	-23998.9	-153.8	153.8	-123194.0	123194.0	



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28249.3	SLU 3	I	-0.0	-4.7	-13377.7	62.0	-62.0	-28249.3	6270.7	SLE ra~1	I	-1.0	0.3	-1597.0	-24.8	24.8	6270.7	-	
	J	-0.0	-4.7	-21480.3	-102.4	102.4	-108403.9	108403.9		J	-1.0	0.3	1586.4	24.1	-24.1	6156.6	-6156.6		
16853.7	SLV X	I	499.5	4315.9	-6343.9	38467.9	38381.2	-14203.9	7515.2	SLE ra~2	I	-1.3	0.3	-1922.1	-26.7	26.7	7515.2	-	
61888.0	J	499.5	4315.9	-11564.6	111242.2	111412.7	-55593.0			J	-1.3	0.3	1918.1	25.9	-25.9	7472.3	-7472.3		
19048.5	SLV Y	I	1663.4	1451.5	-5382.1	13022.4	12935.7	-12009.1	6751.9	SLErar~1	I	-1.5	0.3	-1733.2	-26.4	26.4	6751.9	-	
68652.6	J	1663.4	1451.5	-10602.8	37401.8	37572.2	-48828.4			J	-1.5	0.3	1730.0	25.9	-25.9	6717.9	-6717.9		
23049.1	SLE ra~1	I	-0.0	-4.1	-10756.2	51.4	-51.4	-23049.1	5054.1	SLE freq	I	-0.7	0.2	-1302.8	-19.5	19.5	5054.1	-	
	J	-0.0	-4.1	-17834.5	-90.7	90.7	-88792.3	88792.3		J	-0.7	0.2	1296.7	18.8	-18.8	4988.4	-4988.4		
21700.2	SLE ra~2	I	-0.0	-4.9	-10640.1	61.0	-61.0	-21700.2		SLE qp	I	0.2	0.1	-544.2	-9.8	9.8	2045.0	-2045.0	
	J	-0.0	-4.9	-16208.1	-109.2	109.2	-83436.5	83436.5	3105	J	0.2	0.1	534.8	9.2	-9.2	1944.2	-1944.2		
19242.5	SLErar~1	I	-0.0	-3.5	-9100.0	44.8	-44.8	-19242.5	5903.8	1 8 SLU 1	I	2.4	-0.1	-1482.3	13.2	-13.2	5903.8	-	
	J	-0.0	-3.5	-14529.1	-74.9	74.9	-73576.5	73576.5		J	2.4	-0.1	1452.0	-10.7	10.7	5578.3	-5578.3		
18616.6	SLE freq	I	-0.0	-4.1	-8713.2	50.4	-50.4	-18616.6	7770.2	SLU 2	I	2.0	-0.2	-1969.9	16.1	-16.1	7770.2	-	
	J	-0.0	-4.1	-14107.6	-92.4	92.4	-71092.0	71092.0		J	2.0	-0.2	1949.6	-13.4	13.4	7551.4	-7551.4		
15528.8	SLE qp	I	-0.0	-3.7	-6785.7	43.3	-43.3	-15528.8	5819.4	SLU 3	I	2.6	-0.1	-1478.3	10.0	-10.0	5819.4	-	
	J	-0.0	-3.7	-12006.4	-85.2	85.2	-58740.5	58740.5		J	2.6	-0.1	1456.0	-7.3	7.3	5579.2	-5579.2		
3104	1 8 SLU 1	I	-1.5	0.4	-2315.3	-36.1	36.1	9129.4	-1415.8	SLV X	I	716.3	399.3	-514.1	33290.4	33270.9	2674.1		
9129.4	J	-1.5	0.4	2297.9	35.2	-35.2	8942.9	-8942.9		J	716.3	399.3	564.9	33285.1	33303.3	2044.7	-		
10996.1	SLU 2	I	-1.9	0.5	-2803.0	-38.9	38.9	10996.1	-1502.1	SLV Y	I	495.7	133.0	-521.2	11079.0	11059.5	2587.8		
	J	-1.9	0.5	2795.6	37.9	-37.9	10916.4	-10916.4		J	495.7	133.0	557.7	11108.4	11126.5	2167.3	-		
9851.2	SLU 3	I	-2.3	0.5	-2519.5	-38.5	38.5	9851.2	1721.2	SLE ra~1	I	1.6	-0.1	-1041.7	9.5	-9.5	4120.3	-4120.3	
	J	-2.3	0.5	2513.4	37.9	-37.9	9784.8	-9784.8		J	1.6	-0.1	1022.4	-7.8	7.8	3913.6	-3913.6		
-1415.7	SLV X	I	716.0	399.7	-514.0	33281.4	33301.1	2674.3	5364.6	SLE ra~2	I	1.3	-0.1	-1366.7	11.4	-11.4	5364.6	-	
1843.8	J	716.0	399.7	564.9	33313.9	33295.6	2044.7	-		J	1.3	-0.1	1354.1	-9.6	9.6	5229.0	-5229.0		
-1502.0	SLV Y	I	495.6	133.3	-521.2	11062.6	11082.3	2588.0	4064.0	SLErar~1	I	1.7	-0.1	-1039.0	7.4	-7.4	4064.0	-	
1721.1	J	495.6	133.3	557.7	11129.8	11111.5	2167.3	-		J	1.7	-0.1	1025.1	-5.5	5.5	3914.2	-3914.2		
										SLE freq	I	0.9	-0.1	-955.7	9.9	-9.9	3710.0	-3710.0	
										J	0.9	-0.1	944.2	-8.6	8.6	3586.4	-3586.4		



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10091.7	SLV X	I	-996.3	2341.3	944.3	110728.9	106173.2	18461.9	25978.5	SLE ra~1	I	1381.4	-6.7	-8092.0	63.3	-63.3	25978.5	-		
17961.0	J		-519.1	2341.3	944.3	87375.8	96599.5	208.7		J		1381.4	-6.7	-564.6	-183.0	183.0	4848.1	-4848.1		
41081.8	SLV Y	I	34.8	702.9	5264.1	36420.6	31865.0	49452.0	23907.2	SLE ra~2	I	1323.2	-8.3	-6968.3	93.3	-93.3	23907.2	-		
34093.7	J		512.1	702.9	5264.1	26238.1	35461.9	16341.4		J		1323.2	-8.3	-1034.9	-210.7	210.7	4371.6	-4371.6		
-7505.3	SLE ra~1	I	-4114.4	-126.3	-1965.9	3452.5	-3452.5	7505.3	19985.1	SLErar~1	I	1209.8	-5.8	-6134.1	39.7	-39.7	19985.1	-		
13939.4	J		-3637.2	-126.3	-1965.9	-6990.1	6990.1	-13939.4		J		1209.8	-5.8	-357.3	-172.3	172.3	4139.7	-4139.7		
-7216.6	SLE ra~2	I	-3958.6	-142.8	-1883.3	3904.0	-3904.0	7216.6	21382.6	SLE freq	I	1097.0	-6.9	-6448.2	85.1	-85.1	21382.6	-		
13327.2	J		-3481.3	-142.8	-1883.3	-7904.4	7904.4	-13327.2		J		1097.0	-6.9	-710.5	-167.3	167.3	3908.4	-3908.4		
-6806.7	SLErar~1	I	-3508.3	-119.3	-1720.7	3260.1	-3260.1	6806.7	19722.8	SLE qp	I	839.9	-6.1	-6118.2	98.3	-98.3	19722.8	-		
11963.1	J		-3031.1	-119.3	-1720.7	-6600.6	6600.6	-11963.1		J		839.9	-6.1	-576.2	-125.5	125.5	3382.1	-3382.1		
-5855.2	SLE freq	I	-3465.5	-113.1	-1561.8	3092.2	-3092.2	5855.2	3113	1	8	SLU 1	I	29.7	-1.0	-3721.1	83.1	-83.1	22116.0	-
11181.7	J		-2988.2	-113.1	-1561.8	-6260.7	6260.7	-11181.7	22116.0	J		29.7	-1.0	2609.6	-80.9	80.9	10165.8	-10165.8		
-4185.1	SLE qp	I	-2997.8	-83.3	-1197.4	2277.8	-2277.8	4185.1	27005.2	SLU 2	I	34.9	-1.0	-4801.5	83.2	-83.2	27005.2	-		
8876.2	J		-2520.5	-83.3	-1197.4	-4611.9	4611.9	-8876.2		J		34.9	-1.0	3601.7	-80.9	80.9	14106.4	-14106.4		
3112	1	20	SLU 1	I	2037.2	-9.3	-12015.9	81.1	-81.1	38317.3	SLU 3	I	30.4	-1.2	-3928.3	104.1	-104.1	22734.0	-	
-38317.3	J		2037.2	-9.3	-768.2	-259.8	259.8	7111.9	-7111.9	9267.9	J		30.4	-1.2	2843.8	-101.3	101.3	11074.1	-11074.1	
35210.3	SLU 2	I	1949.9	-11.6	-10330.2	126.1	-126.1	35210.3	1706.7	SLV X	I	684.7	15.9	120.2	1328.2	1328.7	22088.4	-		
6397.3	J		1949.9	-11.6	-1473.7	-301.3	301.3	6397.3		J		684.7	15.9	1199.2	1319.3	1318.9	4917.3	3112.0		
29327.1	SLU 3	I	1779.8	-7.9	-9079.0	45.8	-45.8	29327.1	15277.5	SLV Y	I	213.6	52.8	-520.9	4417.6	4418.1	11113.7	-		
14208.0	J		1779.8	-7.9	-457.3	-243.7	243.7	6049.3	-6049.3	J		213.6	52.8	558.1	4386.2	4385.8	2107.0	301.8		
3255.4	SLV X	I	2302.0	1126.9	858.1	22950.4	22753.7	53653.6	18536.9	SLE ra~1	I	20.9	-0.7	-2554.5	55.4	-55.4	15277.5	-		
82123.0	J		2302.0	1126.9	6400.1	18714.8	18965.9	3508.9		J		20.9	-0.7	1773.9	-53.9	53.9	6885.0	-6885.0		
3341.2	SLV Y	I	1847.0	746.6	14752.0	18121.1	17924.4	121568.6	15689.5	SLE ra~2	I	24.3	-0.7	-3274.7	55.4	-55.4	18536.9	-		
	J		1847.0	746.6	20294.0	9551.2	9802.3	3423.1		J		24.3	-0.7	2435.3	-53.9	53.9	9512.1	-9512.1		
										SLErar~1	I	21.3	-0.8	-2692.6	69.4	-69.4	15689.5	-		
										J		21.3	-0.8	1930.0	-67.5	67.5	7490.5	-7490.5		
										SLE freq	I	18.4	-0.4	-2113.9	34.6	-34.6	12858.8	-		
										J		18.4	-0.4	-2113.9	34.6	-34.6	12858.8	-		



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15150.4	SLV Y	I	731.6	927.8	5907.2	11645.0	11604.1	-11207.3	6567.2	SLErar~1	I	16.6	-1.2	-1593.2	100.7	-100.7	6567.2	-
	J		731.6	927.8	686.0	20564.4	20484.1	11.7	-0.4	J		16.6	-1.2	1456.1	-96.3	96.3	5093.6	-5093.6
23385.1	SLE ra~1	I	-0.5	-0.3	8744.5	56.1	-56.1	-23385.1	6163.0	SLE freq	I	15.0	-0.9	-1440.3	76.5	-76.5	6163.0	-
	J		-0.5	-0.3	1428.8	45.8	-45.8	10.4	-10.4	J		15.0	-0.9	1280.6	-72.3	72.3	4446.2	-4446.2
22498.1	SLE ra~2	I	-0.5	-0.5	7796.4	63.6	-63.6	-22498.1	2805.2	SLE qp	I	10.5	-0.5	-609.1	40.8	-40.8	2805.2	-
	J		-0.5	-0.5	1991.1	47.6	-47.6	10.0	-10.0	J		10.5	-0.5	469.9	-37.8	37.8	1307.9	-1307.9
21368.9	SLErar~1	I	-0.5	-0.8	7510.8	62.7	-62.7	-21368.9	3118 27881.9	20 SLU 1	I	-2.5	-25.7	-14272.9	307.4	-307.4	-27881.9	
	J		-0.5	-0.8	1785.3	35.1	-35.1	9.3	-9.3	J		-2.5	-25.7	-24849.3	-584.8	584.8	-117841.6	
18338.2	SLE freq	I	-0.4	-0.1	6760.3	45.2	-45.2	-18338.2	117841.6	SLU 2	I	-2.6	-27.8	-14245.8	335.3	-335.3	-26552.6	
	J		-0.4	-0.1	1217.5	42.0	-42.0	8.2	-8.2	J		-2.6	-27.8	-22556.8	-629.2	629.2	-111178.5	
13178.9	SLE qp	I	-0.3	0.6	5477.3	20.4	-20.4	-13178.9	111178.5	SLU 3	I	-2.3	-25.2	-12072.8	298.9	-298.9	-23222.8	
	J		-0.3	0.6	256.1	40.1	-40.1	6.0	-6.0	J		-2.3	-25.2	-20175.5	-574.4	574.4	-97376.4	97376.4
3117 -8612.9	1 8 SLU 1	I	25.1	-1.6	-2264.7	139.9	-139.9	8612.9	16034.2	SLV X	I	1141.6	4619.5	-4363.5	45027.7	44786.6	-10303.7	
	J		25.1	-1.6	2147.5	-133.2	133.2	7353.3	-7353.3	J		1141.6	4619.5	-9584.2	115357.0	115789.3	-42376.0	
13826.1	SLU 2	I	27.5	-1.8	-3315.8	151.0	-151.0	13826.1	65797.8	SLV Y	I	2012.7	1800.1	-4944.5	17724.8	17483.7	-11204.3	
	J		27.5	-1.8	3066.7	-143.4	143.4	11148.4	-11148.4	J		2012.7	1800.1	-10165.2	44920.1	45352.3	-45948.5	
9195.2	SLU 3	I	23.9	-1.7	-2288.3	146.8	-146.8	9195.2	62225.4	SLE ra~1	I	-1.7	-17.8	-9713.8	213.0	-213.0	-19000.9	
	J		23.9	-1.7	2123.8	-140.4	140.4	7426.7	-7426.7	J		-1.7	-17.8	-16792.0	-403.6	403.6	-79949.8	79949.8
8541.1	SLV X	I	914.3	553.9	5.9	45814.1	45732.4	14151.4	19000.9	SLE ra~2	I	-1.8	-19.2	-9695.7	231.6	-231.6	-18114.7	
	J		914.3	553.9	1084.9	46577.7	46653.2	3246.0	18114.7	J		-1.8	-19.2	-15263.7	-433.2	433.2	-75507.7	75507.7
630.3	SLV Y	I	550.3	205.7	-401.5	17088.1	17006.4	6785.9	15894.8	SLErar~1	I	-1.6	-17.4	-8247.1	207.3	-207.3	-15894.8	
	J		550.3	205.7	677.5	17282.7	17358.2	1988.8	-	J		-1.6	-17.4	-13676.1	-396.7	396.7	-66306.3	66306.3
6179.0	SLE ra~1	I	17.4	-1.1	-1577.4	96.2	-96.2	6179.0	15595.4	SLE freq	I	-1.4	-14.8	-7975.0	179.9	-179.9	-15595.4	
	J		17.4	-1.1	1471.9	-91.4	91.4	5044.7	-5044.7	J		-1.4	-14.8	-13369.3	-334.3	334.3	-64675.6	64675.6
9654.5	SLE ra~2	I	19.1	-1.2	-2278.2	103.5	-103.5	9654.5	13169.0	SLE qp	I	-1.0	-9.7	-6287.0	120.6	-120.6	-13169.0	
	J		19.1	-1.2	2084.7	-98.3	98.3	7574.8	-7574.8	J		-1.0	-9.7	-11507.7	-216.1	216.1	-54086.9	54086.9



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3119 1578.4	1	8	SLU 1	I	-0.9	-0.1	-1817.0	11.6	-11.6	-1578.4	9209.8	SLV Y	I	504.7	145.4	-13.0	11867.6	11849.4	3324.6	
			J	-0.9	-0.1	2796.2	-6.8	6.8	8949.1	-8949.1	1478.5	J	504.7	145.4	1066.0	12390.7	12414.7	2627.1	-	
			SLU 2	I	-1.2	-0.1	-2416.3	8.7	-8.7	2615.7	-2615.7	SLE ra~1	I	1.5	-0.5	-652.6	39.8	-39.8	-4212.2	4212.2
			J	-1.2	-0.1	3182.2	-4.1	4.1	10849.4	-10849.4		J	1.5	-0.5	1411.6	-46.1	46.1	3948.0	-3948.0	
2117.0			SLU 3	I	-1.6	-0.2	-2161.0	20.8	-20.8	2117.0	-	SLE ra~2	I	1.3	-0.5	-1052.0	41.7	-41.7	-1416.7	
			J	-1.6	-0.2	2871.9	-17.3	17.3	9760.9	-9760.9	1416.7	J	1.3	-0.5	1668.8	-48.0	48.0	5214.6	-5214.6	
10009.7			SLV X	I	1023.7	389.8	-12.7	31928.4	31946.7	4122.5	SLErar~1	I	1.6	-0.6	-728.0	45.4	-45.4	-2603.0	2603.0	
			J	1023.7	389.8	1066.3	33014.2	32990.0	2977.0	-		J	1.6	-0.6	1336.1	-51.7	51.7	3934.0	-3934.0	
1128.4			SLV Y	I	504.6	145.7	-12.9	11851.8	11870.2	3324.2	SLE freq	I	0.9	-0.4	-674.6	28.6	-28.6	-2290.4	2290.4	
			J	504.6	145.7	1066.1	12417.3	12393.1	2626.8	-		J	0.9	-0.4	1225.3	-33.5	33.5	3630.7	-3630.7	
9211.4			SLE ra~1	I	-0.6	-0.1	-1267.7	7.1	-7.1	-797.3	797.3	SLE qp	I	0.3	-0.1	-307.2	9.1	-9.1	-2942.6	2942.6
1478.6			J	-0.6	-0.1	1915.7	-3.7	3.7	6169.0	-6169.0	3122 13.5	J	0.3	-0.1	771.8	-12.0	12.0	2052.8	-2052.8	
			SLU 1	I	-7.8	-1.6	1361.2	36.4	-36.4	-13.5	1	34	SLU 1	I	-7.8	-1.6	1361.2	36.4	-36.4	-13.5
1998.8			J	-7.8	-1.6	2890.0	-114.3	114.3	29269.1	-29269.1		J	-7.8	-1.6	2890.0	-114.3	114.3	29269.1	-29269.1	
			SLU 2	I	-8.6	-1.6	1487.6	35.7	-35.7	-13.1	13.1	SLU 2	I	-8.6	-1.6	1487.6	35.7	-35.7	-13.1	13.1
			J	-8.6	-1.6	3289.6	-112.1	112.1	32892.7	-32892.7		J	-8.6	-1.6	3289.6	-112.1	112.1	32892.7	-32892.7	
1666.3			SLU 3	I	-7.9	-1.5	1371.2	28.6	-28.6	-12.5	12.5	SLU 3	I	-7.9	-1.5	1371.2	28.6	-28.6	-12.5	12.5
			J	-7.9	-1.5	3016.3	-110.1	110.1	30208.9	-30208.9		J	-7.9	-1.5	3016.3	-110.1	110.1	30208.9	-30208.9	
			SLE freq	I	-0.4	0.0	-1059.1	0.6	-0.6	-156.2	156.2	SLV X	I	1010.4	183.1	1102.8	9865.8	9826.9	1.4	
			J	-0.4	0.0	1540.4	2.3	-2.3	5018.8	-5018.8	10.8	J	1010.4	183.1	1102.8	9865.8	9826.9	1.4		
			SLE qp	I	0.3	0.1	-307.1	-9.2	9.2	-2943.6	2943.6	891.2	J	1010.4	183.1	1586.9	7624.7	7699.4	18516.3	-
			J	0.3	0.1	771.9	12.1	-12.1	2052.7	-2052.7	14.4	SLV Y	I	307.9	111.9	1060.7	5434.0	5395.2	5.0	
3120 6700.8	1	8	SLU 1	I	2.3	-0.8	-894.3	58.7	-58.7	-6700.8	1474.8	J	307.9	111.9	1544.8	5330.7	5405.4	17932.7	-	
			J	2.3	-0.8	2040.1	-68.0	68.0	5617.7	-5617.7		SLE ra~1	I	-5.4	-1.1	938.8	25.0	-25.0	-9.1	9.1
			SLU 2	I	2.0	-0.8	-1493.5	61.5	-61.5	-2507.5	2507.5		J	-5.4	-1.1	2006.4	-77.4	77.4	20278.0	-20278.0
			J	2.0	-0.8	2426.0	-70.8	70.8	7517.6	-7517.6		SLE ra~2	I	-5.9	-1.1	1023.1	24.5	-24.5	-8.8	8.8
			SLU 3	I	2.4	-0.9	-1007.5	67.1	-67.1	-4287.0	4287.0		J	-5.9	-1.1	2272.8	-76.0	76.0	22693.7	-22693.7
			J	2.4	-0.9	1926.8	-76.3	76.3	5596.6	-5596.6		SLErar~1	I	-5.5	-1.0	945.5	19.8	-19.8	-8.5	8.5
10008.4			SLV X	I	1023.9	389.4	-12.7	31938.4	31920.2	4123.2		J	-5.5	-1.0	2090.6	-74.7	74.7	20904.5	-20904.5	
			J	1023.9	389.4	1066.3	32982.0	33006.0	2977.2	-	SLE freq	I	-4.5	-0.8	771.1	21.4	-21.4	-7.0	7.0	
1128.4											J	-4.5	-0.8	1676.8	-59.4	59.4	16853.9	-16853.9		



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NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
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Stazione di Catenanuova		COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO												
Relazione di calcolo pensiline di banchina		RS3E	50	D 78 CL	FV0100 001	A	192 di 212												
9984.8	SLE freq	I	8.5	-3.8	-1883.6	176.0	-176.0	9984.8	-	J	-0.9	-2.7	1220.5	-122.3	122.3	53.2	-53.2		
		J	8.5	-3.8	223.6	-181.6	181.6	-9.3	9.3	2095.2	SLU 3	I	-1.0	-2.2	-1461.5	105.8	-105.8	2095.2	-
2812.6	SLE qp	I	5.5	-2.8	-536.3	129.8	-129.8	2812.6	-	J	-1.0	-2.2	1121.7	-101.2	101.2	49.4	-49.4		
		J	5.5	-2.8	68.0	-133.2	133.2	-6.8	6.8	10018.5	SLV X	I	704.9	1266.1	531.0	57892.7	57774.2	4108.4	
3129 8625.2	1 8 SLU 1	I	12.6	7.4	-1855.7	-341.5	341.5	8625.2	-	J	704.9	1266.1	1135.3	60393.9	60512.7	40.6	-		
		J	12.6	7.4	420.8	348.2	-348.2	-13.8	13.8	4.7	SLV Y	I	290.7	507.2	467.1	23322.8	23204.3	3318.0	
13837.1	SLU 2	I	13.8	7.8	-2775.4	-358.9	358.9	13837.1	-	J	290.7	507.2	1071.3	24135.5	24254.2	41.8	-		
		J	13.8	7.8	475.0	365.9	-365.9	-12.7	12.7	9228.1	SLE ra~1	I	-0.5	-1.8	-751.3	85.3	-85.3	-814.8	814.8
9205.6	SLU 3	I	11.8	7.1	-1903.7	-327.7	327.7	9205.6	-	J	-0.5	-1.8	893.0	-82.8	82.8	38.1	-38.1		
		J	11.8	7.1	372.9	333.4	-333.4	-11.1	11.1	1982.9	SLE ra~2	I	-0.6	-1.8	-1146.1	86.4	-86.4	1982.9	-
8512.6	SLV X	I	1264.8	1773.6	405.5	81738.0	81996.6	14135.7	-	J	-0.6	-1.8	822.8	-84.1	84.1	36.1	-36.1		
		J	1264.8	1773.6	1009.7	83540.4	83274.8	7.8	21.5	1651.5	SLE rar~1	I	-0.7	-1.5	-1025.6	73.1	-73.1	1651.5	-
1162.7	SLV Y	I	532.4	713.6	-205.7	32730.5	32989.2	6785.9	-	J	-0.7	-1.5	756.9	-70.1	70.1	33.5	-33.5		
		J	532.4	713.6	398.5	33613.9	33348.4	-1.6	12.0		SLE freq	I	-0.4	-1.5	-661.2	72.3	-72.3	-170.0	170.0
6187.4	SLE ra~1	I	8.8	5.1	-1303.7	-234.9	234.9	6187.4	-	J	-0.4	-1.5	694.4	-70.9	70.9	29.9	-29.9		
		J	8.8	5.1	274.4	239.5	-239.5	-9.4	9.4		SLE qp	I	0.0	-1.3	-54.8	59.2	-59.2	-2955.0	2955.0
9662.1	SLE ra~2	I	9.6	5.3	-1916.8	-246.4	246.4	9662.1	-	J	0.0	-1.3	549.4	-59.4	59.4	22.7	-22.7		
		J	9.6	5.3	310.6	251.3	-251.3	-8.6	8.6	3133 6732.3	1 8 SLU 1	I	0.6	3.6	-209.6	-166.1	166.1	-6732.3	
6574.4	SLE rar~1	I	8.3	4.9	-1335.7	-225.7	225.7	6574.4	-	J	0.6	3.6	1336.5	170.7	-170.7	52.4	-52.4		
		J	8.3	4.9	242.4	229.6	-229.6	-7.6	7.6		SLU 2	I	0.4	3.6	-801.8	-167.9	167.9	-2535.9	2535.9
6170.0	SLE freq	I	7.6	4.2	-1220.9	-192.9	192.9	6170.0	-	J	0.4	3.6	1231.2	172.7	-172.7	49.4	-49.4		
		J	7.6	4.2	194.9	197.0	-197.0	-7.7	7.7		SLU 3	I	0.6	3.5	-411.2	-158.7	158.7	-4313.3	4313.3
2811.6	SLE qp	I	5.5	2.8	-536.2	-129.3	129.3	2811.6	-	J	0.6	3.5	1135.0	164.4	-164.4	44.7	-44.7		
		J	5.5	2.8	68.1	132.8	-132.8	-6.8	6.8	10021.2	SLV X	I	704.4	1268.2	531.3	57756.1	57874.1	4108.1	
3131 1604.4	1 8 SLU 1	I	-0.7	-2.6	-1050.0	124.0	-124.0	-1604.4	-	J	704.4	1268.2	1135.5	60492.3	60374.1	40.6	-		
		J	-0.7	-2.6	1325.8	-120.3	120.3	56.2	-56.2	4.7	SLV Y	I	290.6	509.6	467.4	23198.5	23316.6	3319.4	
2592.2	SLU 2	I	-0.9	-2.7	-1642.2	125.7	-125.7	2592.2	-	J	290.6	509.6	1071.7	24247.3	24129.1	41.8	-		
		J	-0.9	-2.7	1642.2	125.7	-125.7	2592.2	-	3.5	SLE ra~1	I	0.4	2.5	-191.1	-113.3	113.3	-4233.5	
										4233.5									



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Stazione di Catenanuova
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	J	0.4	2.5	900.1	116.4	-116.4	35.5	-35.5		3136	1	34	SLU 1	I	-6.0	-1.3	-2090.7	66.6	-66.6	21465.9	-	
1435.9	SLE ra~2	I	0.3	2.5	-585.9	-114.5	114.5	-1435.9		21465.9					J	-6.0	-1.3	-1027.4	-58.2	58.2	-11.3	11.3
	J	0.3	2.5	829.9	117.7	-117.7	33.5	-33.5		25089.4			SLU 2	I	-6.8	-1.3	-2490.3	64.4	-64.4	25089.4	-	
2620.9	SLErar~1	I	0.4	2.4	-325.4	-108.4	108.4	-2620.9						J	-6.8	-1.3	-1153.8	-57.5	57.5	-10.9	10.9	
	J	0.4	2.4	765.8	112.2	-112.2	30.3	-30.3		20455.0			SLU 3	I	-5.7	-1.1	-2017.1	50.4	-50.4	20455.0	-	
	SLE freq	I	0.2	1.9	-311.1	-89.8	89.8	-2307.1	2307.1					J	-5.7	-1.1	-953.8	-55.9	55.9	-9.2	9.2	
	J	0.2	1.9	699.0	91.9	-91.9	28.3	-28.3						J	-5.7	-1.1	-953.8	-55.9	55.9	-9.2	9.2	
	SLE qp	I	0.0	1.3	-54.7	-59.0	59.0	-2956.6	2956.6	-891.7				SLV X	I	1010.6	183.1	-306.7	7703.7	7628.9	18515.5	
	J	0.0	1.3	549.5	59.1	-59.1	22.7	-22.7						J	1010.6	183.1	177.4	9826.7	9865.5	1.4	12.2	
3134	SLU 1	I	-7.8	1.6	-2890.4	-114.2	114.2	29273.2	-29273.2	1473.9				SLV Y	I	308.0	112.0	-348.7	5407.1	5332.3	17933.3	-
	J	-7.8	1.6	-1361.7	36.5	-36.5	-15.4	15.4						J	308.0	112.0	135.4	5395.2	5434.0	4.9	15.6	
32896.8	SLU 2	I	-8.6	1.6	-3290.0	-112.0	112.0	32896.8	-	15075.8				SLE ra~1	I	-4.2	-0.9	-1473.5	45.6	-45.6	15075.8	-
	J	-8.6	1.6	-1488.1	35.8	-35.8	-14.9	14.9						J	-4.2	-0.9	-716.3	-39.5	39.5	-7.7	7.7	
30212.7	SLU 3	I	-7.9	1.5	-3016.7	-110.0	110.0	30212.7	-	17491.5				SLE ra~2	I	-4.7	-0.9	-1739.9	44.2	-44.2	17491.5	-
	J	-7.9	1.5	-1371.6	28.7	-28.7	-14.2	14.2						J	-4.7	-0.9	-800.5	-39.0	39.0	-7.4	7.4	
-892.3	SLV X	I	1010.6	184.3	-306.7	7625.6	7700.2	18518.1		14401.9				SLErar~1	I	-4.0	-0.8	-1424.5	34.9	-34.9	14401.9	-
	J	1010.6	184.3	177.4	9865.9	9827.0	1.4	12.2						J	-4.0	-0.8	-667.2	-38.0	38.0	-6.3	6.3	
1475.1	SLV Y	I	308.0	113.1	-348.8	5331.3	5406.0	17935.3	-	13602.5				SLE freq	I	-3.7	-0.7	-1343.7	39.5	-39.5	13602.5	-
	J	308.0	113.1	135.3	5434.2	5395.3	4.9	15.6						J	-3.7	-0.7	-632.0	-30.5	30.5	-6.3	6.3	
20280.7	SLE ra~1	I	-5.4	1.1	-2006.7	-77.4	77.4	20280.7	-					SLE qp	I	-2.7	-0.6	-946.8	37.4	-37.4	9703.6	-9703.6
	J	-5.4	1.1	-939.1	25.0	-25.0	-10.4	10.4						J	-2.7	-0.6	-462.7	-19.4	19.4	-5.4	5.4	
22696.5	SLE ra~2	I	-5.9	1.1	-2273.1	-75.9	75.9	22696.5	-	3139	1	8	SLU 1	I	12.8	-2.3	235.2	108.7	-108.7	7.5	-	
	J	-5.9	1.1	-1023.4	24.6	-24.6	-10.1	10.1						J	12.8	-2.3	3437.1	-109.7	109.7	22117.6	-22117.6	
20907.1	SLErar~1	I	-5.5	1.0	-2090.9	-74.6	74.6	20907.1	-					SLU 2	I	15.4	-2.3	133.8	108.7	-108.7	8.6	-8.6
	J	-5.5	1.0	-945.8	19.8	-19.8	-9.6	9.6						J	15.4	-2.3	4350.2	-109.8	109.8	27005.1	-27005.1	
16856.0	SLE freq	I	-4.5	0.8	-1677.0	-59.4	59.4	16856.0	-					SLU 3	I	13.4	-2.9	178.5	136.1	-136.1	7.4	-7.4
	J	-4.5	0.8	-771.3	21.5	-21.5	-8.0	8.0		21.4				J	13.4	-2.9	3596.4	-137.4	137.4	22734.9	-22734.9	
	SLE qp	I	-2.7	0.6	-946.9	-37.3	37.3	9705.2	-9705.2	9222.5				SLV X	I	1081.6	70.6	1530.7	3341.9	3342.4	26.5	
	J	-2.7	0.6	-462.8	19.5	-19.5	-5.4	5.4						J	1081.6	70.6	2135.0	3250.0	3249.4	22048.3		



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

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9231.7	J	290.6	509.7	576.7	23320.6	23202.4	3318.4		J	0.0	-1.3	54.8	-59.2	59.2	-2955.7	2955.7					
	SLE ra~1	I	-0.5	1.8	-893.2	-82.6	82.6	38.1	-38.1	3148	1	20	SLU 1	I	9.2	7.8	-352.8	-50.3	50.3	14949.1	-14949.1
	J	-0.5	1.8	751.1	85.0	-85.0	-817.6	817.6		J	9.2	7.8	214.8	235.0	-235.0	14612.2	-14612.2				
	SLE ra~2	I	-0.6	1.8	-823.0	-83.9	83.9	36.1	-36.1	15395.2		SLU 2	I	9.1	10.1	-506.1	-95.8	95.8	15395.2	-15395.2	
	J	-0.6	1.8	1145.9	86.2	-86.2	1980.3	-1980.3		J	9.1	10.1	178.9	275.7	-275.7	14596.4	-14596.4				
	SLE rar~1	I	-0.7	1.5	-757.1	-69.9	69.9	33.5	-33.5	13476.3		SLU 3	I	8.2	7.3	-339.9	-38.5	38.5	13476.3	-13476.3	
	J	-0.7	1.5	1025.5	72.9	-72.9	1649.0	-1649.0		J	8.2	7.3	227.7	229.3	-229.3	13202.2	-13202.2				
	SLE freq	I	-0.4	1.5	-694.6	-70.8	70.8	29.9	-29.9	409.3		SLV X	I	1617.4	1223.4	440.7	25611.5	25734.2	13068.0	-13068.0	
	J	-0.4	1.5	661.1	72.2	-72.2	-172.1	172.1		J	1617.4	1223.4	730.8	19286.3	19076.0	9587.2	-9587.2				
	SLE qp	I	0.0	1.3	-549.5	-59.2	59.2	22.7	-22.7	2450.3		SLV Y	I	505.5	755.0	620.7	18823.7	18946.4	11452.1	-11452.1	
	J	0.0	1.3	54.7	59.1	-59.1	-2956.7	2956.7		J	505.5	755.0	910.7	8838.9	8628.6	7092.8	-7092.8				
3147	1	8	SLU 1	I	0.6	-3.6	-1336.3	171.0	-171.0	52.4	-1206.6		SLU 2	I	0.4	-3.7	-1231.1	173.0	-173.0	49.4	-49.4
52.4		J	0.6	-3.6	209.7	-166.5	166.5	-6730.5	6730.5	4944.7		J	0.4	-3.7	801.9	-168.2	168.2	-2534.4	2534.4		
		SLU 2	I	0.4	-3.7	-1231.1	173.0	-173.0	49.4	-49.4	10257.0		SLU 3	I	0.7	-3.5	-1134.9	164.7	-164.7	44.7	-44.7
		J	0.4	-3.7	801.9	-168.2	168.2	-2534.4	2534.4	10554.4		J	0.7	-3.5	411.2	-159.0	159.0	-4312.0	4312.0		
		SLU 3	I	0.7	-3.5	-1134.9	164.7	-164.7	44.7	-44.7		SLV X	I	704.7	1265.8	36.5	60497.7	60379.2	40.6	-40.6	
		J	0.7	-3.5	411.2	-159.0	159.0	-4312.0	4312.0		J	704.7	1265.8	640.7	57760.7	57879.0	4108.3	-4108.3			
4.7		SLV X	I	704.7	1265.8	36.5	60497.7	60379.2	40.6	-40.6	9275.2		SLV Y	I	290.6	507.1	-27.5	24249.4	24130.9	41.8	-41.8
10019.6		J	704.7	1265.8	640.7	57760.7	57879.0	4108.3	-4108.3		J	290.6	507.1	576.8	23200.2	23318.5	3318.8	-3318.8			
3.5		SLV Y	I	290.6	507.1	-27.5	24249.4	24130.9	41.8	-41.8		SLE freq	I	5.1	5.7	-275.5	-59.9	59.9	8520.9	-8520.9	
9230.1		J	290.6	507.1	576.8	23200.2	23318.5	3318.8	-3318.8		J	5.1	5.7	112.4	149.7	-149.7	8122.7	-8122.7			
35.5		SLE ra~1	I	0.4	-2.5	-900.0	116.6	-116.6	35.5	-35.5		SLE qp	I	3.9	4.5	-208.6	-61.3	61.3	6329.3	-6329.3	
		J	0.4	-2.5	191.1	-113.5	113.5	-4232.3	4232.3		J	3.9	4.5	81.4	105.2	-105.2	6018.7	-6018.7			
33.5		SLE ra~2	I	0.3	-2.5	-829.8	117.9	-117.9	33.5	-33.5	3149	1	20	SLU 1	I	1.1	1.1	-945.9	-100.3	100.3	-16.0
		J	0.3	-2.5	585.9	-114.7	114.7	-1434.9	1434.9		J	1.1	1.1	-1471.0	-61.7	61.7	-5573.7	5573.7			
30.3		SLE rar~1	I	0.4	-2.4	-765.7	112.4	-112.4	30.3	-30.3		SLU 2	I	1.1	0.8	-871.4	-101.5	101.5	-15.1	15.1	
		J	0.4	-2.4	325.5	-108.5	108.5	-2620.0	2620.0		J	1.1	0.8	-1500.7	-74.7	74.7	-5469.8	5469.8			
		SLE freq	I	0.2	-2.0	-698.9	92.0	-92.0	28.3	-28.3		SLU 3	I	1.0	1.2	-803.3	-96.6	96.6	-13.6	13.6	
		J	0.2	-2.0	311.1	-90.0	90.0	-2306.2	2306.2		J	1.0	1.2	-1328.4	-55.7	55.7	-4915.4	4915.4			
		SLE qp	I	0.0	-1.3	-549.5	59.3	-59.3	22.7	-22.7	12.0		SLV X	I	369.4	1480.2	20.7	35484.8	35554.2	-1.8	



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Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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4305.4	J	369.4	1480.2	-252.5	15765.0	15834.3	-542.1		J	1.7	-17.2	1273.3	-200.1	200.1	-3690.9	3690.9				
									SLE freq	I	1.6	-14.9	1517.7	344.2	-344.2	-9257.6				
12.5	SLV Y	I	141.1	587.8	28.4	14181.8	14251.3	-1.2	9257.6											
	J	141.1	587.8	-244.8	6147.7	6217.0	-501.2	4346.3		J	1.6	-14.9	1083.8	-171.1	171.1	-3275.6	3275.6			
	SLE ra~1	I	0.7	0.7	-637.1	-68.4	68.4	-10.8	6323.7	SLE qp	I	1.2	-10.0	983.4	235.0	-235.0	-6323.7			
	J	0.7	0.7	-1014.5	-44.0	44.0	-3808.5	3808.5		J	1.2	-10.0	710.2	-113.0	113.0	-2429.5	2429.5			
	SLE ra~2	I	0.7	0.5	-587.4	-69.2	69.2	-10.3	3151	1	20	SLU 1	I	9.9	-15.6	48.2	299.8	-299.8	14614.2	-14614.2
	J	0.7	0.5	-1034.3	-52.7	52.7	-3739.2	3739.2												
	SLErar~1	I	0.7	0.7	-542.0	-65.9	65.9	-9.3	9.3		J	9.9	-15.6	815.9	-273.9	273.9	16723.2	-16723.2		
	J	0.7	0.7	-919.4	-40.0	40.0	-3369.6	3369.6	14598.4	SLU 2	I	9.8	-17.9	84.1	340.5	-340.5	14598.4	-		
	SLE freq	I	0.6	0.3	-494.7	-54.0	54.0	-8.6	8.6		J	9.8	-17.9	969.2	-319.5	319.5	17169.4	-17169.4		
	J	0.6	0.3	-854.7	-42.6	42.6	-3111.6	3111.6	13204.8	SLU 3	I	9.0	-17.1	101.2	310.1	-310.1	13204.8	-		
	SLE qp	I	0.4	0.0	-388.9	-34.7	34.7	-6.9	6.9		J	9.0	-17.1	918.9	-317.3	317.3	15694.9	-15694.9		
	J	0.4	0.0	-662.1	-34.7	34.7	-2423.8	2423.8		SLV X	I	1617.3	1214.3	567.7	19285.9	19075.1	9586.6	-		
3150	1	20	SLU 1	I	2.7	-25.8	2690.3	597.9	-597.9	-16720.2	-2450.9									
16720.2										J	1617.3	1214.3	857.7	25611.9	25736.3	13066.0	-			
	J	2.7	-25.8	1987.7	-296.8	296.8	-5963.5	5963.5	409.5											
	SLU 2	I	2.8	-27.6	2862.5	637.1	-637.1	-17167.9	4946.6	SLV Y	I	505.5	745.8	747.6	8836.9	8626.1	7090.9	-		
17167.9										J	505.5	745.8	1037.6	18821.1	18945.6	11448.6	-			
	J	2.8	-27.6	2055.7	-320.0	320.0	-5858.6	5858.6	1208.0											
	SLU 3	I	2.4	-24.8	2612.9	571.9	-571.9	-15695.9	9987.3	SLE ra~1	I	6.7	-10.8	27.1	208.8	-208.8	9987.3	-		
15695.9										J	6.7	-10.8	567.9	-190.4	190.4	11439.8	-11439.8			
	J	2.4	-24.8	1865.9	-289.3	289.3	-5397.2	5397.2												
	SLV X	I	886.1	4003.8	2039.8	106151.7	105681.6	414.3	9976.8	SLE ra~2	I	6.7	-12.4	51.1	235.9	-235.9	9976.8	-		
13061.7										J	6.7	-12.4	670.1	-220.7	220.7	11737.2	-11737.2			
	J	886.1	4003.8	1766.6	33116.7	33342.7	-550.1													
4308.9										J	6.7	-12.4	670.1	-220.7	220.7	11737.2	-11737.2			
	SLV Y	I	338.0	1606.4	1672.3	42729.3	42259.2	-1229.8	9047.7	SLErar~1	I	6.2	-11.8	62.5	215.7	-215.7	9047.7	-		
11417.6										J	6.2	-11.8	636.6	-219.3	219.3	10754.2	-10754.2			
	J	338.0	1606.4	1399.1	13432.6	13658.5	-504.1													
4354.9										SLE freq	I	5.4	-9.0	-2.9	176.8	-176.8	8123.6	-		
	SLE ra~1	I	1.9	-17.8	1850.3	412.5	-412.5	-11437.8	8123.6											
11437.8										J	5.4	-9.0	468.3	-153.4	153.4	9259.8	-9259.8			
	J	1.9	-17.8	1354.5	-205.1	205.1	-4068.4	4068.4												
	SLE ra~2	I	1.9	-19.0	1965.1	438.6	-438.6	-11736.2	6018.7	SLE qp	I	3.9	-4.6	-81.6	105.4	-105.4	6018.7	-		
11736.2										J	3.9	-4.6	208.4	-62.2	62.2	6328.3	-6328.3			
	J	1.9	-19.0	1399.9	-220.6	220.6	-3998.5	3998.5												
	SLErar~1	I	1.7	-17.2	1798.7	395.2	-395.2	-10754.9	3152	1	20	SLU 1	I	0.8	1.2	1641.0	-113.9	113.9	-5948.3	5948.3
10754.9										J	0.8	1.2	938.3	-70.7	70.7	-17.3	17.3			



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Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 200 di 212
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20720.4	J	1697.7	1508.2	8624.8	13264.7	13149.0	-11829.5		J	116.2	-0.8	1648.8	-74.5	74.5	15055.5	-15055.5		
106615.5	SLE ra~1	I	0.2	8.2	20703.4	-179.6	179.6	-106615.5	1128.4	SLE freq	I	94.9	-0.5	-415.8	32.5	-32.5	1128.4	-
100664.4	J	0.2	8.2	13388.5	105.5	-105.5	-28222.5	28222.5		J	94.9	-0.5	1305.8	-51.3	51.3	12075.0	-12075.0	
94944.4	SLE ra~2	I	0.2	9.3	18994.1	-203.4	203.4	-100664.4		SLE qp	I	57.3	-0.2	-163.2	4.1	-4.1	197.0	-197.0
82242.1	J	0.2	9.3	13189.4	118.4	-118.4	-26659.8	26659.8	3162	J	57.3	-0.2	701.2	-23.9	23.9	6815.0	-6815.0	
59720.8	SLE ra~1	I	0.3	8.2	18028.9	-177.2	177.2	-94944.4	13603.7	SLU 1	I	34.7	1.2	-3788.6	-98.6	98.6	13603.7	-
82242.1	J	0.3	8.2	12304.0	105.8	-105.8	-25195.3	25195.3	17398.9	J	34.7	1.2	3981.0	94.4	-94.4	15671.9	-15671.9	
59720.8	SLE freq	I	0.1	7.1	15873.7	-156.8	156.8	-82242.1		SLU 2	I	38.1	1.3	-4768.1	-108.5	108.5	17398.9	-
3161	J	0.1	7.1	10331.4	90.4	-90.4	-21984.6	21984.6	15239.0	J	38.1	1.3	4972.0	103.6	-103.6	19590.9	-19590.9	
1931.5	SLE qp	I	-0.0	4.7	12057.3	-105.2	105.2	-59720.8		SLU 3	I	34.2	1.2	-4208.1	-104.0	104.0	15239.0	-
2738.7	J	-0.0	4.7	6836.6	57.9	-57.9	-16275.0	16275.0	598.8	J	34.2	1.2	4400.7	100.0	-100.0	17309.2	-17309.2	
2398.5	SLU 1	I	164.9	-1.1	-699.5	74.5	-74.5	1931.5	-	SLV X	I	717.9	566.6	-394.5	47110.5	47170.1	3216.7	-
38575.8	J	164.9	-1.1	2247.0	-105.4	105.4	20965.3	-20965.3	1748.3	J	717.9	566.6	684.5	47256.0	47200.5	2525.0	-	
44295.9	SLU 2	I	182.0	-1.0	-897.7	74.5	-74.5	2738.7	-	SLV Y	I	539.5	196.6	-455.9	16318.5	16378.0	1980.7	-
12542.8	J	182.0	-1.0	2604.3	-103.4	103.4	23730.2	-23730.2	1817.5	J	539.5	196.6	623.1	16387.6	16332.1	2455.7	-	
12063.9	SLU 3	I	167.9	-1.2	-804.6	89.9	-89.9	2398.5	-	SLE ra~1	I	24.0	0.8	-2576.9	-68.1	68.1	9211.7	-
1349.0	J	167.9	-1.2	2378.5	-110.6	110.6	21757.3	-21757.3	9211.7	J	24.0	0.8	2710.7	65.1	-65.1	10651.0	-10651.0	
1887.1	SLV X	I	1061.6	52.5	3490.6	5060.7	5052.4	38969.9	11741.9	SLE ra~2	I	26.3	0.9	-3229.9	-74.7	74.7	11741.9	-
1660.3	J	1061.6	52.5	4355.0	4220.6	4268.4	57926.0			J	26.3	0.9	3371.4	71.2	-71.2	13263.7	-13263.7	
	SLV Y	I	411.1	27.0	1122.1	3129.3	3121.0	12936.9	10301.9	SLE ra~1	I	23.7	0.8	-2856.6	-71.7	71.7	10301.9	-
	J	411.1	27.0	1986.5	2614.3	2662.2	25694.0			J	23.7	0.8	2990.6	68.9	-68.9	11742.5	-11742.5	
	SLE ra~1	I	114.2	-0.7	-489.7	49.8	-49.8	1349.0	-	SLE freq	I	20.3	0.6	-2003.6	-55.1	55.1	7051.0	-
	J	114.2	-0.7	1561.1	-71.1	71.1	14527.5	-14527.5	7051.0	J	20.3	0.6	2116.3	52.4	-52.4	8263.5	-8263.5	
	SLE ra~2	I	125.6	-0.7	-621.8	49.8	-49.8	1887.1	-	SLE qp	I	13.2	0.3	-501.0	-29.8	29.8	1308.9	-
	J	125.6	-0.7	1799.3	-69.7	69.7	16370.8	-16370.8	1308.9	J	13.2	0.3	578.0	27.8	-27.8	2136.6	-2136.6	
	SLE ra~1	I	116.2	-0.8	-559.7	60.1	-60.1	1660.3	-	SLU 1	I	-0.2	-0.4	-2472.8	46.3	-46.3	2.7	-
	J	116.2	-0.8	1660.3					2.7	J	-0.2	-0.4	-13048.1	32.4	-32.4	-35683.5	35683.5	



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1309.2	SLE qp	I	13.2	-0.3	-501.0	29.6	-29.6	1309.2	-	24026.2	J	-4791.4	37.4	-3365.2	2045.7	-2045.7	-24026.2		
	J		13.2	-0.3	578.0	-27.6	27.6	2136.5	-2136.5	12030.6	SLU 2	I	-5083.6	42.5	-3178.7	-1186.0	1186.0	12030.6	-
3166 10786.6	1 2 SLU 1	I	-6556.9	49.6	3350.0	-1384.6	1384.6	-10786.6		22644.0	J	-4439.3	42.5	-3178.7	2325.0	-2325.0	-22644.0		
25756.2	J		-5912.6	49.6	3350.0	2714.7	-2714.7	25756.2	-	11316.1	SLU 3	I	-4534.9	35.2	-2908.5	-981.7	981.7	11316.1	-
10135.0	SLU 2	I	-6204.8	54.7	3163.5	-1527.1	1527.1	-10135.0		20410.6	J	-3890.6	35.2	-2908.5	1924.6	-1924.6	-20410.6		
24373.9	J		-5560.5	54.7	3163.5	2993.9	-2993.9	24373.9	-	7669.5	SLV X	I	-1553.7	2758.8	412.6	116634.9	117597.3	17261.4	
8947.3	SLU 3	I	-5936.1	50.4	2889.5	-1408.2	1408.2	-8947.3		17175.4	J	-1076.4	2758.8	412.6	110460.6	108574.1	-3168.7		
22572.3	J		-5291.8	50.4	2889.5	2760.8	-2760.8	22572.3	-	35999.0	SLV Y	I	-208.3	851.6	4360.1	34984.5	35946.9	45590.9	
17260.3	SLV X	I	-1553.9	2758.8	3156.9	116638.5	117600.7	7669.9		31906.5	J	269.0	851.6	4360.1	34449.1	32562.6	11562.4		
-3169.8	J		-1076.6	2758.8	3156.9	110463.9	108577.3	17175.8		8562.4	SLE ra~1	I	-3719.3	26.2	-2274.2	-731.2	731.2	8562.4	-
45589.8	SLV Y	I	-208.5	851.6	7104.3	34986.0	35948.2	35999.3		16245.6	J	-3242.0	26.2	-2274.2	1433.5	-1433.5	-16245.6		
11560.9	J		268.8	851.6	7104.3	34450.4	32563.8	31906.5		8127.9	SLE ra~2	I	-3484.6	29.6	-2149.9	-826.2	826.2	8127.9	-
7298.6	SLE ra~1	I	-4466.8	34.3	2264.1	-958.6	958.6	-7298.6		15324.1	J	-3007.3	29.6	-2149.9	1619.7	-1619.7	-15324.1		
17398.9	J		-3989.5	34.3	2264.1	1879.5	-1879.5	17398.9	-	7651.6	SLE ra~1	I	-3118.8	24.7	-1969.8	-690.0	690.0	7651.6	-
6864.2	SLE ra~2	I	-4232.0	37.7	2139.8	-1053.6	1053.6	-6864.2		13835.2	J	-2641.5	24.7	-1969.8	1352.8	-1352.8	-13835.2		
16477.3	J		-3754.7	37.7	2139.8	2065.6	-2065.6	16477.3	-	6626.6	SLE freq	I	-3081.3	23.4	-1786.2	-654.1	654.1	6626.6	-
6072.4	SLE ra~1	I	-4052.9	34.9	1957.1	-974.4	974.4	-6072.4		12858.1	J	-2604.1	23.4	-1786.2	1282.2	-1282.2	-12858.1		
15276.3	J		-3575.6	34.9	1957.1	1910.2	-1910.2	15276.3	-	4795.9	SLE qp	I	-2697.8	17.2	-1372.2	-481.2	481.2	4795.9	-
5836.6	SLE freq	I	-3548.6	28.5	1779.9	-796.2	796.2	-5836.6		10172.1	J	-2220.5	17.2	-1372.2	943.3	-943.3	-10172.1		
13579.1	J		-3071.3	28.5	1779.9	1560.9	-1560.9	13579.1	-	3168 880.0	1 34 SLU 1	I	123.5	-0.3	-417.3	55.4	-55.4	880.0	-
4795.2	SLE qp	I	-2698.0	17.2	1372.2	-481.1	481.1	-4795.2		1687.2	J	123.5	-0.3	1582.9	9.7	-9.7	15217.5	-15217.5	
10172.8	J		-2220.7	17.2	1372.2	943.3	-943.3	10172.8	-	1687.2	SLU 2	I	140.6	-0.3	-615.4	55.4	-55.4	1687.2	-
3167 -12682.3	1 2 SLU 1	I	-5435.7	37.4	-3365.2	-1043.5	1043.5	12682.3		1083.8	J	140.6	-0.3	1940.2	7.6	-7.6	17982.3	-17982.3	
										1083.8	SLU 3	I	116.3	-0.5	-451.7	72.5	-72.5	1083.8	-



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	J	18.0	0.0	598.4	0.2	-0.2	2171.3	-2171.3		J	0.2	-1.2	4228.5	26.8	-26.8	1.9	-1.9
3171 I 20 SLU 1 I 2369.8 17.8 3683.2 -286.0 286.0 11940.7 -11940.7									37180.8	SLU 3 I 0.2 -1.3 12358.0 63.6 -63.6 -37180.8							
58353.3	J	2369.8	17.8	15330.9	370.2	-370.2	58353.3	-		J	0.2	-1.3	3810.6	19.3	-19.3	1.8	-1.8
10720.8	SLU 2 I 2238.3 19.2 4396.4 -310.9 310.9 10720.8 -								18169.8	SLV X I 188.2 1633.8 6561.7 17579.4 17543.2 -14381.7							
54778.4	J	2238.3	19.2	13652.9	395.4	-395.4	54778.4	-		J	188.2	1633.8	1340.5	39110.3	39082.8	2.9	0.9
10086.1	SLU 3 I 2046.1 18.3 4264.8 -285.2 285.2 10086.1 -								20722.2	SLV Y I 613.1 591.2 7116.6 6532.2 6496.0 -11829.3							
53172.6	J	2046.1	18.3	13386.6	387.6	-387.6	53172.6	-		J	613.1	591.2	1895.4	14034.1	14006.6	2.3	0.3
-5055.8	SLV X I 1241.2 1272.1 6521.2 21032.1 21238.8 5920.8								28223.7	SLE ra-1 I 0.1 -0.7 9794.6 41.3 -41.3 -28223.7							
9740.9	J	1241.2	1272.1	12063.1	25576.9	25362.4	50419.6		26660.8	SLE ra-2 I 0.1 -0.8 8699.6 46.2 -46.2 -26660.8							
-5358.2	SLV Y I 1569.5 612.9 19873.9 8128.5 8335.2 5618.4									J	0.1	-0.8	2894.3	18.8	-18.8	1.3	-1.3
75231.1	J	1569.5	612.9	25415.9	14224.1	14009.7	115909.8		25196.2	SLE rar-1 I 0.2 -0.9 8341.2 44.0 -44.0 -25196.2							
8104.0	SLE ra-1 I 1601.6 12.3 2484.9 -197.7 197.7 8104.0 -								21985.5	J	0.2	-0.9	2615.7	13.9	-13.9	1.2	-1.2
39260.3	J	1601.6	12.3	10279.0	254.1	-254.1	39260.3	-		SLE freq I 0.1 -0.5 7551.8 33.9 -33.9 -21985.5							
7290.7	SLE ra-2 I 1513.9 13.2 2960.3 -214.3 214.3 7290.7 -								16275.7	J	0.1	-0.5	2008.9	15.7	-15.7	1.1	-1.1
36877.0	J	1513.9	13.2	9160.4	270.9	-270.9	36877.0	-		SLE qp I 0.0 -0.1 6149.5 18.1 -18.1 -16275.7							
6867.6	SLE rar-1 I 1385.8 12.6 2872.7 -197.2 197.2 6867.6 -								3173 I 8 SLU 1 I -1.5 0.5 -2298.1 -46.1 46.1 8945.2 -8945.2								
35806.5	J	1385.8	12.6	8982.8	265.7	-265.7	35806.5	-	10845.7	J	-1.5	0.5	2315.2	40.8	-40.8	9129.2	-9129.2
6446.8	SLE freq I 1258.5 9.9 1805.7 -164.0 164.0 6446.8 -									SLU 2 I -1.9 0.6 -2792.3 -49.7 49.7 10845.7 -							
29674.4	J	1258.5	9.9	7710.1	200.6	-200.6	29674.4	-	9757.4	J	-1.9	0.6	2806.2	44.2	-44.2	10995.7	-10995.7
5488.3	SLE qp I 968.5 5.7 271.1 -103.3 103.3 5488.3 -									SLU 3 I -2.3 0.6 -2512.1 -50.2 50.2 9757.4 -							
	J	968.5	5.7	5813.0	107.2	-107.2	20339.3	-20339.3	-1130.8	J	-2.3	0.6	2520.8	44.0	-44.0	9850.8	-9850.8
3172 I 20 SLU 1 I 0.2 -1.1 14538.1 59.5 -59.5 -41722.1 41722.1									1413.7	SLV X I 873.7 402.9 -474.8 33574.4 33597.0 2970.8							
	J	0.2	-1.1	3605.5	23.1	-23.1	2.3	-2.3	-1479.6	J	873.7	402.9	604.2	33559.2	33537.8	2676.1	-
39377.8	SLU 2 I 0.2 -1.2 12895.5 66.9 -66.9 -39377.8								1500.9	SLV Y I 513.9 140.7 -511.7 11666.7 11689.3 2622.1							
										J	513.9	140.7	567.3	11755.2	11733.8	2588.9	-



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	206 di 212

BEAM ELEMENT STRESSES MIN/MAX SUMMARY BY PROPERTY
PRINTOUT Unit System : kN , m

2767 BZ+ SLU 1 1 J -4791.6 -37.4 -3365.2 -2045.4 2045.4 -24026.9
24026.9

3166 BZ- SLU 1 1 J -5912.6 49.6 3350.0 2714.7 -2714.7 25756.2
-25756.2

[SECTION NAME : COLONNE HEB 340 , SECTION ID : 2 , SECTION SHAPE :
H]

[SECTION SIZE] H:0.34 B1:0.3 tw:0.012 tf1:0.0215 B2:0 tf2:0

** MAX

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

3111 AXL SLV Y 1 J 512.1 702.9 5264.1 26238.1 35461.9 16341.4
34093.7

3166 SHY SLV X 1 I -1553.9 2758.8 3156.9 116638.5 117600.7
7669.9 17260.3

3110 SHZ SLV Y 1 J 511.7 702.9 7659.0 26237.9 35463.7 34094.6
16341.1

2766 BY+ SLV X 1 I -1554.0 2724.4 3157.1 117601.4 116638.3
7671.2 17261.8

3166 BY- SLV X 1 I -1553.9 2758.8 3156.9 116638.5 117600.7
7669.9 17260.3

3111 BZ+ SLV Y 1 I 34.8 702.9 5264.1 36420.6 31865.0 49452.0
41081.8

3110 BZ- SLV Y 1 I 34.4 702.9 7659.0 36422.1 31865.2 41083.6
49452.3

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

3110 AXL SLU 1 1 I -7374.3 -239.6 2908.6 6548.2 -6548.2 -9213.6
9213.6

3110 SHY SLU 2 1 J -6496.2 -264.4 2784.7 -14629.1 14629.1 21596.0
-21596.0

2767 SHZ SLU 1 1 J -4791.6 -37.4 -3365.2 -2045.4 2045.4 -24026.9
24026.9

3110 BY+ SLU 2 1 J -6496.2 -264.4 2784.7 -14629.1 14629.1 21596.0
-21596.0

2787 BY- SLU 2 1 I -6495.8 -264.4 2784.8 14629.1 -14629.1 -21596.4
21596.4

[SECTION NAME : TRAVE IPE 240 , SECTION ID : 8 , SECTION SHAPE : H]

[SECTION SIZE] H:0.24 B1:0.12 tw:0.0062 tf1:0.0098 B2:0 tf2:0

** MAX

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

3129 AXL SLV X 1 J 1264.8 1773.6 1009.7 83540.4 83274.8 7.8
21.5

3141 SHY SLV X 1 I 1264.6 1773.9 873.6 83286.7 83552.6 7.8
21.5

2868 SHZ SLU 2 1 J 30.1 -0.9 5129.8 -77.6 77.6 22982.8 -
22982.8

3143 BY+ SLV X 1 I 1264.6 1768.0 873.5 83543.2 83277.3 7.8
21.5

3127 BY- SLV X 1 J 1264.3 1768.3 1009.5 83289.4 83555.7 7.8
21.5

2827 BZ+ SLU 2 1 J 34.9 1.0 4801.7 84.2 -84.2 27007.2 -
27007.2

3133 BZ- SLV X 1 I 704.4 1268.2 531.3 57756.1 57874.1 4108.1
10021.2

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

3173 AXL SLU 3 1 J -2.3 0.6 2520.8 44.0 -44.0 9850.8 -
9850.8

3143 SHY SLU 2 1 I 13.8 -7.8 -475.2 366.3 -366.3 -12.7
12.7

3115 SHZ SLU 2 1 I 30.1 0.9 -5129.8 -77.5 77.5 22981.9 -
22981.9

3143 BY+ SLU 2 1 J 13.8 -7.8 2775.2 -359.3 359.3 13834.6 -
13834.6

3143 BY- SLU 2 1 I 13.8 -7.8 -475.2 366.3 -366.3 -12.7 12.7

3133 BZ+ SLU 1 1 I 0.6 3.6 -209.6 -166.1 166.1 -6732.3
6732.3

2827 BZ- SLU 2 1 J 34.9 1.0 4801.7 84.2 -84.2 27007.2 -
27007.2



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova
Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	207 di 212

[SECTION SIZE] H:0.3 B:0.1 tw:0.01 tf:0.015 C:0.14

[SECTION NAME : TRAVI IPE 300 , SECTION ID : 20 , SECTION SHAPE : H]

** MAX

[SECTION SIZE] H:0.3 B1:0.15 tw:0.0071 tf1:0.0107 B2:0 tf2:0

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

** MAX

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

2765 AXL SLV X 1 I 1061.7 52.5 2951.8 4262.3 4214.2 57921.6
44290.9

2778 AXL SLU 1 1 I 2370.0 10.8 -11562.7 -165.1 165.1 40934.0
-40934.0

3124 SHY SLV X 1 I 1010.7 184.3 1103.0 9826.8 9865.7 1.4
12.8

3106 SHY SLV X 1 I 1141.7 4639.3 13432.2 115367.9 115800.5 -
42383.4 65808.4

3161 SHZ SLV X 1 J 1061.6 52.5 4355.0 4220.6 4268.4 57926.0
44295.9

3160 SHZ SLU 1 1 I 0.3 11.8 30763.3 -257.0 257.0 -158061.7
158061.7

3134 BY+ SLV X 1 J 1010.6 184.3 177.4 9865.9 9827.0 1.4
12.2

2812 BY+ SLV X 1 I 1141.7 4619.8 13432.0 115801.0 115367.8 -
42380.6 65805.5

3124 BY- SLV X 1 I 1010.7 184.3 1103.0 9826.8 9865.7 1.4
12.8

3106 BY- SLV X 1 I 1141.7 4639.3 13432.2 115367.9 115800.5 -
42383.4 65808.4

2764 BZ+ SLV X 1 I 1061.6 52.9 2952.6 4221.2 4269.3 57929.0
44297.5

2770 BZ+ SLV Y 1 I 1846.8 758.8 14751.5 17927.3 18122.2 121574.5
82120.8

2764 BZ- SLV X 1 I 1061.6 52.9 2952.6 4221.2 4269.3 57929.0
44297.5

3160 BZ- SLU 1 1 I 0.3 11.8 30763.3 -257.0 257.0 -158061.7
158061.7

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

** MIN

ELEM COM LC PT AXIAL SHEAR-y SHEAR-Z (+y)-BENDING-
(-y) (+z)-BENDING(-z)

3122 AXL SLU 2 1 J -8.6 -1.6 3289.6 -112.1 112.1 32892.7 -
32892.7

3118 AXL SLU 2 1 J -2.6 -27.8 -22556.8 -629.2 629.2 -111178.5
111178.5

3122 SHY SLU 1 1 I -7.8 -1.6 1361.2 36.4 -36.4 -13.5 13.5

3118 SHY SLU 2 1 I -2.6 -27.8 -14245.8 335.3 -335.3 -26552.6
26552.6

3134 SHZ SLU 2 1 I -8.6 1.6 -3290.0 -112.0 112.0 32896.8 -
32896.8

2929 SHZ SLU 1 1 J -0.5 12.0 -26655.2 274.8 -274.8 -133948.4
133948.4

3122 BY+ SLU 1 1 J -7.8 -1.6 2890.0 -114.3 114.3 29269.1 -
29269.1

3156 BY+ SLU 2 1 I 2.8 27.6 2863.0 -636.2 636.2 -17172.3
17172.3

2764 BY- SLU 3 1 J 168.1 1.2 804.5 90.1 -90.1 2397.5 -
2397.5

3150 BY- SLU 2 1 I 2.8 -27.6 2862.5 637.1 -637.1 -17167.9
17167.9

3134 BZ+ SLU 1 1 J -7.8 1.6 -1361.7 36.5 -36.5 -15.4 15.4

3160 BZ+ SLU 1 1 I 0.3 11.8 30763.3 -257.0 257.0 -158061.7
158061.7

3134 BZ- SLU 2 1 I -8.6 1.6 -3290.0 -112.0 112.0 32896.8 -
32896.8

2979 BZ- SLU 1 1 J 2311.1 -9.8 15669.5 -176.6 176.6 58660.3 -
58660.3

REACTION FORCES & MOMENTS DEFAULT PRINTOUT
System : kN , m

Unit

[SECTION NAME : TRAVE UPN 300 , SECTION ID : 34 , SECTION SHAPE :
2C]

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 209 di 212
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SLE ra~1	0.0	-8.4	79.7	15.3	0.0	0.0	SLE qp	0.0	5.1	47.8	-10.0	0.0	0.0
SLE ra~2	0.0	-8.0	76.2	14.5	0.0	0.0	1607 SLU 1	0.0	-12.4	117.1	22.6	0.0	-0.0
SLErar~1	0.0	-7.3	72.9	12.8	0.0	0.0	SLU 2	0.0	-11.8	111.9	21.4	0.0	-0.0
SLE freq	0.0	-6.6	63.5	12.3	0.0	0.0	SLU 3	0.0	-10.8	106.8	18.8	0.0	-0.0
SLE qp	0.0	-5.1	47.7	10.0	0.0	-0.0	SLV X	23.1	1.5	60.2	36.6	74.5	0.0
1590 SLU 1	0.0	12.4	96.1	-26.6	0.0	0.0	SLV Y	6.9	16.9	89.1	98.7	22.4	0.0
SLU 2	0.0	11.8	90.8	-25.4	0.0	0.0	SLE ra~1	0.0	-8.4	79.9	15.3	0.0	-0.0
SLU 3	0.0	10.7	80.6	-23.9	0.0	0.0	SLE ra~2	0.0	-8.0	76.4	14.5	0.0	-0.0
SLV X	23.1	11.5	60.0	15.9	74.6	0.0	SLErar~1	0.0	-7.3	73.0	12.8	0.0	-0.0
SLV Y	6.9	26.4	87.9	76.4	22.4	0.0	SLE freq	0.0	-6.6	63.6	12.3	0.0	-0.0
SLE ra~1	0.0	8.4	65.8	-18.0	0.0	0.0	SLE qp	0.0	-5.1	47.8	10.0	0.0	-0.0
SLE ra~2	0.0	8.0	62.3	-17.2	0.0	0.0	1608 SLU 1	0.0	12.4	96.3	-26.6	0.0	0.0
SLErar~1	0.0	7.3	55.5	-16.1	0.0	0.0	SLU 2	0.0	11.8	91.0	-25.4	0.0	0.0
SLE freq	0.0	6.6	54.8	-14.0	0.0	0.0	SLU 3	0.0	10.8	80.8	-23.9	0.0	0.0
SLE qp	0.0	5.1	47.7	-10.0	0.0	0.0	SLV X	23.1	11.6	60.2	16.5	74.5	0.0
1598 SLU 1	0.0	-12.4	117.2	22.6	0.0	-0.0	SLV Y	6.9	27.0	89.0	78.6	22.4	0.0
SLU 2	0.0	-11.8	111.9	21.4	0.0	-0.0	SLE ra~1	0.0	8.4	66.0	-18.0	0.0	0.0
SLU 3	0.0	-10.8	106.9	18.8	0.0	-0.0	SLE ra~2	0.0	8.0	62.5	-17.2	0.0	0.0
SLV X	23.1	1.5	60.1	36.4	74.5	0.0	SLErar~1	0.0	7.3	55.7	-16.2	0.0	0.0
SLV Y	6.9	16.6	88.6	97.7	22.4	0.0	SLE freq	0.0	6.6	55.0	-14.0	0.0	0.0
SLE ra~1	0.0	-8.4	79.9	15.3	0.0	-0.0	SLE qp	0.0	5.1	47.8	-10.0	0.0	0.0
SLE ra~2	0.0	-8.0	76.4	14.5	0.0	-0.0	1616 SLU 1	0.0	-12.4	117.1	22.6	0.0	-0.0
SLErar~1	0.0	-7.3	73.1	12.8	0.0	-0.0	SLU 2	0.0	-11.8	111.9	21.4	0.0	-0.0
SLE freq	0.0	-6.6	63.7	12.3	0.0	-0.0	SLU 3	0.0	-10.8	106.9	18.8	0.0	-0.0
SLE qp	0.0	-5.1	47.8	10.0	0.0	-0.0	SLV X	23.1	1.5	60.2	36.7	74.5	0.0
1599 SLU 1	0.0	12.4	96.3	-26.6	0.0	0.0	SLV Y	6.9	17.0	89.2	99.0	22.3	0.0
SLU 2	0.0	11.8	91.0	-25.4	0.0	0.0	SLE ra~1	0.0	-8.4	79.9	15.3	0.0	-0.0
SLU 3	0.0	10.8	80.8	-23.9	0.0	0.0	SLE ra~2	0.0	-8.0	76.4	14.5	0.0	-0.0
SLV X	23.1	11.6	60.1	16.3	74.5	0.0	SLErar~1	0.0	-7.3	73.0	12.8	0.0	-0.0
SLV Y	6.9	26.8	88.6	77.6	22.4	0.0	SLE freq	0.0	-6.6	63.6	12.3	0.0	-0.0
SLE ra~1	0.0	8.4	66.0	-18.0	0.0	0.0	SLE qp	0.0	-5.1	47.8	10.0	0.0	-0.0
SLE ra~2	0.0	8.0	62.5	-17.2	0.0	0.0	1617 SLU 1	-0.0	12.4	96.3	-26.6	-0.0	0.0
SLErar~1	0.0	7.3	55.7	-16.2	0.0	0.0	SLU 2	-0.0	11.8	91.0	-25.4	-0.0	0.0
SLE freq	0.0	6.6	55.0	-14.0	0.0	0.0	SLU 3	-0.0	10.8	80.8	-23.9	-0.0	0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 210 di 212
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SLV X	23.1	11.7	60.2	16.7	74.5	0.0	SLErar~1	-0.0	-7.3	73.1	12.8	-0.0	0.0
SLV Y	6.9	27.1	89.2	79.0	22.3	0.0	SLE freq	-0.0	-6.6	63.7	12.3	-0.0	-0.0
SLE ra~1	-0.0	8.4	66.0	-18.0	-0.0	0.0	SLE qp	-0.0	-5.1	47.8	10.0	-0.0	-0.0
SLE ra~2	-0.0	8.0	62.5	-17.2	-0.0	0.0	1635 SLU 1	-0.0	12.4	96.3	-26.6	-0.0	0.0
SLErar~1	-0.0	7.3	55.7	-16.2	-0.0	0.0	SLU 2	-0.0	11.8	91.0	-25.4	-0.0	0.0
SLE freq	-0.0	6.6	55.0	-14.0	-0.0	0.0	SLU 3	-0.0	10.8	80.8	-23.9	-0.0	0.0
SLE qp	-0.0	5.1	47.8	-10.0	-0.0	0.0	SLV X	23.1	11.6	60.1	16.3	74.5	0.0
1625 SLU 1	-0.0	-12.4	117.1	22.6	-0.0	-0.0	SLV Y	6.9	26.8	88.6	77.6	22.3	0.0
SLU 2	-0.0	-11.8	111.9	21.4	-0.0	-0.0	SLE ra~1	-0.0	8.4	66.0	-18.0	-0.0	0.0
SLU 3	-0.0	-10.8	106.8	18.8	-0.0	0.0	SLE ra~2	-0.0	8.0	62.5	-17.2	-0.0	0.0
SLV X	23.1	1.5	60.2	36.6	74.5	0.0	SLErar~1	-0.0	7.3	55.7	-16.2	-0.0	0.0
SLV Y	6.9	16.9	89.1	98.7	22.3	0.0	SLE freq	-0.0	6.6	55.0	-14.0	-0.0	0.0
SLE ra~1	-0.0	-8.4	79.9	15.3	-0.0	-0.0	SLE qp	-0.0	5.1	47.8	-10.0	-0.0	0.0
SLE ra~2	-0.0	-8.0	76.4	14.5	-0.0	-0.0	1643 SLU 1	-0.0	-12.4	116.9	22.6	-0.1	-0.0
SLErar~1	-0.0	-7.3	73.0	12.8	-0.0	0.0	SLU 2	-0.0	-11.8	111.6	21.4	-0.1	-0.0
SLE freq	-0.0	-6.6	63.6	12.3	-0.0	-0.0	SLU 3	-0.0	-10.7	106.6	18.8	-0.1	-0.0
SLE qp	-0.0	-5.1	47.8	10.0	-0.0	-0.0	SLV X	23.1	1.4	60.0	36.0	74.5	0.0
1626 SLU 1	-0.0	12.4	96.3	-26.6	-0.0	0.0	SLV Y	6.9	16.3	87.9	96.5	22.4	0.0
SLU 2	-0.0	11.8	91.0	-25.4	-0.0	0.0	SLE ra~1	-0.0	-8.4	79.7	15.3	-0.0	-0.0
SLU 3	-0.0	10.8	80.8	-23.9	-0.0	0.0	SLE ra~2	-0.0	-8.0	76.2	14.5	-0.0	-0.0
SLV X	23.1	11.6	60.2	16.5	74.5	0.0	SLErar~1	-0.0	-7.3	72.9	12.8	-0.0	-0.0
SLV Y	6.9	27.0	89.0	78.6	22.3	0.0	SLE freq	-0.0	-6.6	63.5	12.3	-0.0	-0.0
SLE ra~1	-0.0	8.4	66.0	-18.0	-0.0	0.0	SLE qp	-0.0	-5.1	47.7	10.0	-0.0	-0.0
SLE ra~2	-0.0	8.0	62.5	-17.2	-0.0	0.0	1644 SLU 1	-0.0	12.4	96.1	-26.6	-0.0	-0.0
SLErar~1	-0.0	7.3	55.7	-16.2	-0.0	0.0	SLU 2	-0.0	11.8	90.8	-25.4	-0.0	-0.0
SLE freq	-0.0	6.6	55.0	-14.0	-0.0	0.0	SLU 3	-0.0	10.7	80.6	-23.9	-0.0	-0.0
SLE qp	-0.0	5.1	47.8	-10.0	-0.0	0.0	SLV X	23.1	11.5	60.0	15.9	74.5	0.0
1634 SLU 1	-0.0	-12.4	117.2	22.6	-0.0	-0.0	SLV Y	6.9	26.4	87.9	76.4	22.4	0.0
SLU 2	-0.0	-11.8	111.9	21.4	-0.0	0.0	SLE ra~1	-0.0	8.4	65.8	-18.0	-0.0	-0.0
SLU 3	-0.0	-10.8	106.9	18.8	-0.0	0.0	SLE ra~2	-0.0	8.0	62.3	-17.2	-0.0	-0.0
SLV X	23.1	1.5	60.1	36.4	74.5	0.0	SLErar~1	-0.0	7.3	55.5	-16.1	-0.0	-0.0
SLV Y	6.9	16.6	88.6	97.7	22.3	0.0	SLE freq	-0.0	6.6	54.8	-14.0	-0.0	-0.0
SLE ra~1	-0.0	-8.4	79.9	15.3	-0.0	-0.0	SLE qp	-0.0	5.1	47.7	-10.0	-0.0	-0.0
SLE ra~2	-0.0	-8.0	76.4	14.5	-0.0	0.0	1652 SLU 1	0.1	-12.4	118.3	22.7	0.1	-0.0



**DIRETTRICE FERROVIARIA MESSINA-CATANIA-PALERMO
NUOVO COLLEGAMENTO PALERMO-CATANIA
PROGETTO DEFINITIVO
TRATTA DITTAINO - CATENANUOVA**

Stazione di Catenanuova Relazione di calcolo pensiline di banchina	COMMESSA RS3E	LOTTO 50	CODIFICA D 78 CL	DOCUMENTO FV0100 001	REV. A	FOGLIO 211 di 212
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SLU 2	0.1	-11.8	113.2	21.5	0.1	-0.0	SLE ra~1	1.1	7.5	70.4	-16.2	2.2	0.0
SLU 3	0.1	-10.8	108.1	18.9	0.1	-0.0	SLE ra~2	1.2	7.1	67.7	-15.6	2.5	0.0
SLV X	23.0	1.3	61.6	35.9	74.4	0.0	SLErar~1	1.0	6.5	60.0	-14.7	2.1	0.0
SLV Y	6.9	16.2	88.9	95.9	22.4	0.0	SLE freq	1.0	5.9	59.3	-12.6	2.0	0.0
SLE ra~1	0.0	-8.4	80.7	15.4	0.1	-0.0	SLE qp	0.7	4.5	51.3	-9.0	1.5	0.0
SLE ra~2	0.1	-8.0	77.3	14.6	0.1	-0.0	1683 SLU 1	-0.4	-12.7	112.1	23.3	-0.9	0.0
SLErar~1	0.0	-7.3	73.9	12.9	0.1	-0.0	SLU 2	-0.5	-12.0	106.1	21.9	-1.0	0.0
SLE freq	0.0	-6.6	64.3	12.3	0.1	-0.0	SLU 3	-0.4	-11.0	101.5	19.3	-0.9	0.0
SLE qp	0.0	-5.1	48.3	10.1	0.0	-0.0	SLV X	23.5	1.6	65.7	37.2	75.3	0.0
1653 SLU 1	0.1	12.4	97.3	-26.7	0.1	-0.0	SLV Y	7.0	16.5	88.7	98.3	22.6	0.0
SLU 2	0.1	11.8	92.1	-25.5	0.1	-0.0	SLE ra~1	-0.3	-8.6	76.4	15.7	-0.6	0.0
SLU 3	0.0	10.8	81.7	-23.9	0.1	-0.0	SLE ra~2	-0.3	-8.1	72.4	14.8	-0.7	0.0
SLV X	23.0	11.5	61.6	15.8	74.4	0.0	SLErar~1	-0.3	-7.4	69.3	13.1	-0.6	0.0
SLV Y	6.9	26.3	88.9	75.7	22.4	0.0	SLE freq	-0.2	-6.8	60.7	12.6	-0.5	0.0
SLE ra~1	0.0	8.4	66.7	-18.0	0.1	-0.0	SLE qp	-0.1	-5.2	46.1	10.3	-0.3	0.0
SLE ra~2	0.0	8.0	63.2	-17.2	0.1	-0.0	1684 SLU 1	-0.3	12.8	93.0	-27.3	-0.7	0.0
SLErar~1	0.0	7.3	56.3	-16.2	0.1	-0.0	SLU 2	-0.4	12.1	86.9	-25.9	-0.8	0.0
SLE freq	0.0	6.6	55.6	-14.0	0.1	-0.0	SLU 3	-0.3	11.0	77.5	-24.4	-0.6	0.0
SLE qp	0.0	5.1	48.3	-10.1	0.0	0.0	SLV X	23.5	12.0	65.7	16.5	75.3	0.0
1661 SLU 1	2.1	-11.0	126.1	19.9	4.2	-0.0	SLV Y	7.0	27.0	88.7	77.6	22.6	0.0
SLU 2	2.3	-10.6	122.1	18.9	4.7	-0.0	SLE ra~1	-0.2	8.6	63.6	-18.5	-0.5	0.0
SLU 3	2.1	-9.6	116.5	16.6	4.3	0.0	SLE ra~2	-0.3	8.2	59.6	-17.5	-0.5	0.0
SLV X	21.6	3.6	85.5	39.8	71.5	0.0	SLErar~1	-0.2	7.5	53.3	-16.5	-0.4	0.0
SLV Y	7.5	20.0	103.1	106.6	23.5	0.0	SLE freq	-0.2	6.8	52.7	-14.3	-0.4	0.0
SLE ra~1	1.4	-7.5	86.2	13.5	2.9	-0.0	SLE qp	-0.1	5.2	46.1	-10.3	-0.3	-0.0
SLE ra~2	1.6	-7.2	83.5	12.9	3.2	-0.0							
SLErar~1	1.5	-6.6	79.8	11.3	3.0	0.0							
SLE freq	1.2	-5.9	69.2	10.9	2.4	-0.0							
SLE qp	0.7	-4.5	51.3	9.0	1.5	-0.0							
1662 SLU 1	1.6	11.0	102.3	-23.9	3.2	0.0							
SLU 2	1.8	10.5	98.3	-23.0	3.6	0.0							
SLU 3	1.5	9.6	86.8	-21.6	3.0	0.0							
SLV X	21.6	12.7	85.5	21.8	71.5	0.0							
SLV Y	7.5	29.1	103.1	88.6	23.5	0.0							

SUMMATION OF REACTION FORCES

LC SUM-FX SUM-FY SUM-FZ

SLU 1	0.0	0.0	2791.0
SLU 2	0.0	0.0	2656.7
SLU 3	0.0	0.0	2457.0
SLV X	592.3	171.3	1251.6



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Stazione di Catenanuova
 Relazione di calcolo pensiline di banchina

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
RS3E	50	D 78 CL	FV0100 001	A	212 di 212

SLV Y	177.7	571.1	1251.6
SLE ra~1	0.0	0.0	1908.2
SLE ra~2	0.0	0.0	1818.7
SLErar~1	0.0	0.0	1685.5
SLE freq	0.0	0.0	1553.2
SLE qp	0.0	0.0	1251.6

REACTION FORCES & MOMENTS LOCAL PRINTOUT Unit
 System : kN , m

Node LC FX FY FZ MX MY MZ