STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eighth Edition.

DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

TRAFFIC DATA

	Northbound	Southbound
Current (2012) AADT	36,320	37,500
Future (2032) AADT	43,580	45,000
DHV - % of AADT	14%	14%
Design Hour Volume	6101	6300
Heavy Trucks (% of AADT)	12%	13%
Heavy Trucks (% of DHV)	12%	13%
Directional Distribution (% of DHV)	100%	100%
18 kip Equivalent P 2.0	4801	6011
18 kip Equivalent P 2.5	4573	5726
Design Speed (mph)	55 mph	65 mph

UTILITIES

Comcast
Central Maine Power

Fairpoint Communications, LLC

MATERIALS

Concrete:
- Barriers & Transition Barriers ..... Class "LP"
- Precast Median Barrier ..... Class "P'
- All Other ..... Class "A"

Reinforcing Steel ..... ASTM A615/A 615M, Grade 60

Structural Steel:
- All Material (except as noted) ..... ASTM A709, Grade 50 (galvanized)
- High Strength Bolts ..... ASTM F3125, Type 1
- Anchor Bolts ..... ASTM F1554

FRP:
- See specifications

MAINTENANCE OF TRAFFIC

See specifications. Based on time of year and time of day, maintain a minimum of three lanes of traffic, two lanes of traffic, or one lane of traffic in each direction over the bridge and approaches.

BASIC DESIGN STRESSES

Concrete:
- Class "LP" ..... f 'c = 5,000 psi
- Class "P" ..... f 'c = 4,500 psi
- Class "A" ..... f 'c = 4,000 psi

Reinforcing Steel ..... f y = 60,000 psi

Structural Steel:
- ASTM A709, Grade 50 ..... F y = 50,000 psi
- ASTM F3125 ..... F u = 120,000 psi
- ASTM F1554 ..... F u = 105,000 psi

KITTERY - PORTSMOUTH
YORK - ROCKINGHAM COUNTY

PISCATAQUA RIVER BRIDGE
OVER
PISCATAQUA RIVER

PROJECT NO. AC-IM-1927(000)E
PROJECT LENGTH 1.748 mi.
BRIDGE NO. MAINE #6330, MAINE #1477, & NEW HAMPSHIRE 258/128

LIST OF DRAWINGS

Title Sheet 1
Estimated Quantities and Earthworks 2-3
Drainage Summary Sheet 4
General Notes 5
Geometry Plan 6
Key Plan 7
Highway Approach Typical Sections 8-10
Construction Notes 11
Highway Approach Plans 12-19
Overlay, Signing & Striping General Plan 20-21
Signing & Striping Plans 22-36
Cross Sections 37-75
Drainage Details 76-77
Median Barrier Details 78-79
Bridge Transition Details 80
Highway Approach Details 81
Striping Details 82-84
Rumble Strip Details 85
Dynamic Signing 86
Traffic Control Details 87-89
General Traffic Control Details 90-92
Paving Traffic Control Details 93-97
MOT Typical Approach Sections 98-99
Maintenance of Traffic Plans 100-159
Phase 3 Details 160
MOT Existing Signing 161-162
MOT Sign Summary 163-165
Bridge Phasing Drawings 166-167
Bridge Typical Section 168
Abutment Removal Limits 169
Abutment Backwall Details 170
Substructure Patching Details 171-177
Deck Plans 178-201
Deck Replacement Details 202
Concrete Haunch Removal 203
Finger Joint Rehab - Approach Spans 204-206
Finger Joint Rehab - Anchor Piers 207-209
Compression Seal Expansion Joint 210-211
Bridge Drain Details 212-214
Permanent Concrete Barrier Details 215-219
Lighting Support Details 220-221
Vertical Box Strut Repair Details 222
Truss Screen Panel Details 223
Catwalk Repair Details 224
Reinforcing Schedule 225
Fencing Details 226
Roadway Lighting Plan 227
Lighting Details 228
Lighting Demolition Plan 229
ITS Conduit Plan 230

T·Y·LIN INTERNATIONAL

PROJECT LOCATION:	I-95/ Piscataqua River Bridge (Maine #6330, Maine #1477, & New Hampshire 258/128) over the Piscataqua River and Route 103. Located on the Maine - New Hampshire state line. Latitude 43° 05' 33.80 N" Longitude 70° 45' 58.20 W"
PROGRAM AREA:	Bridge Program
OUTLINE OF WORK:	Bridge Rehabilitation and Operational and Safety Improvements.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 11/13/18

COMMISSIONER: [signature]

CHIEF ENGINEER: [signature] — DATE 11-20-18

STATE OF MAINE — DANIEL S. MYERS No. 12572 — LICENSED PROFESSIONAL ENGINEER

Daniel S Myers — SIGNATURE 12572 — P.E. NUMBER 11/14/2018 — DATE

PROJECT INFORMATION		
PROGRAM	BRIDGE	
PROJECT MANAGER	LEANNE TIMBERLAKE	
DESIGNER	DANIEL MYERS	
CONSULTANT	T.Y. LIN INTERNATIONAL	
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE		

KITTERY PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

TITLE SHEET

SHEET NUMBER 1 OF 230

WIN 19270.00

AC-IM-1927(000)E

Date:11/16/2018 Username: Division: HIGHWAY Filename:\00\Bridge\MSTA\001_Title.dgn

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITIES							UNIT
		N.H. APPROACH ROADWAY	N.H. APPROACH BRIDGE SPANS	RIVER BRIDGE	MAINE APPROACH BRIDGE SPANS	MTA APPROACH ROADWAY	MAINTENANCE OF TRAFFIC	TOTAL QUANTITY	
202.12	Removing Existing Structural Concrete		880	830	830			2,540	CY
202.1211	Concrete Haunch Removal		29600		2600			32,200	LF
202.127	Removing of Existing Bituminous Pavement (50400 SY)		0.43	0.28	0.29			1	LS
202.1294	Bridge Drainage System Removal		0.5	0.5				1	LS
202.1295	Hydro-Demolition, Property of Contractor		1530	1500	1500			4,530	SY
202.13	Removing Existing Railings Retained by Department		1870	2690	2700			7,260	LF
202.202	Removing Pavement Surface	16200	21500	14700	14500	9350		76,250	SY
202.203	Pavement Butt Joints					7305		7,305	SY
202.205	Rumble Strip - Shoulder	3800				12800		16,600	LF
202.207	Rumble Strips, Fill						850	850	LF
203.20	Common Excavation					3160		3,160	CY
203.24	Common Borrow					670		670	CY
203.25	Granular Borrow					1150		1,150	CY
205.41	Reconstruction of Existing Shoulder, Plan Quantity					7000		7,000	SY
205.51	Widening of Existing Shoulder, Plan Quantity					3100		3,100	SY
304.10	Aggregate Subbase Course - Gravel					380		380	CY
304.14	Aggregate Base Course - Type A					260		260	CY
403.2081	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Polymer Modified)					6000		6,000	TON
403.2101	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Polymer Modified)	900	1800	1250	1200			5,150	TON
403.211	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Shimming)					1500		1,500	TON
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Course)					4050		4,050	TON
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Course, Polymer Modified)		3000	2050	2000	1800		8,850	TON
409.15	Bituminous Tack Coat, Applied	650	1080	740	730	4650		7,850	GAL
461.131	Temporary Pavement						56	56	TON
502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges (1980 CY)		0.33	0.34	0.33			1	LS
502.705	Composite Bridge Drain (256 EA)		0.17	0.58	0.25			1	LS
503.12	Reinforcing Steel, Fabricated and Delivered		228000	189000	219000			636,000	LB
503.13	Reinforcing Steel, Placing		228000	189000	219000			636,000	LB
504.709	Bridge Hardware, Truss Screen Panel (800 EA)			1				1	LS
504.811	Structural Steel Repair			1900				1,900	LB
514.06	Curing Box for Concrete Cylinders								EA
515.21	Protective Coating for Concrete Surfaces (45950 SY)		0.47	0.15	0.38	0.00		1	LS
518.51	Repair of Upward Facing Surfaces - Below Rinforcing Steel <8 inches		7700	7700	5000			20,400	SF
518.52	Repair of Upward Facing Surfaces ≥ 8 inches		5	3	3			11	CY
518.60	Repair of Vertical Surfaces < 8 inches		600	280	520	50		1,450	SF
518.70	Repair of Overhead Surfaces < 8 inches		320	210	240			770	SF
520.2321	Asphaltic Crack Control Joint (240 LF)		0.58		0.42			1	LS
520.245	Bridge Joint Modifications Type 5			36				36	EA
520.261	Longitudinal Joint Seal		1850		1350			3,200	LF
521.32	Fabric Trough for Finger Joint (Anchor Piers)			4				4	EA
521.32	Fabric Trough for Finger Joint (Approach Spans)		10		8			18	EA
524.40	Protective Shielding		0.92		0.08			1	LS
526.301	Temporary Concrete Barrier, Type I (9500 LF)						1	1	LS
526.307	Movable Temporary Concrete Barrier (9700 LF)						1	1	LS
526.312	Permanent Concrete Barrier, Type II Modified (13780 LF)		0.4	0.2	0.4			1	LS
526.331	Permanent Concrete Median Barrier, Type IIIb Modified (1345 LF)			1				1	LS
526.36	Median Barrier Fixed Object Protection					165		165	LF
526.50	Precast Concrete Barrier, Median					4440		4,440	LF
527.331	Truck Mounted Attenuator						2	2	EA
527.341	Work Zone Crash Cushions - TL-3						3	3	UNIT
530.25	FRP Grating			900				900	SF
603.159	12" Culvert Pipe Option III					63		63	LF
604.09	Catch Basin Type BI					2		2	EA
604.26	Catch Basin Type B5					10		10	EA
604.161	Altering Catch Basin					5		5	EA
604.164	Rebuilding Catch Basin					3		3	EA
604.18	Adjusting Manhole or Catch Basin to Grade					9		9	EA
605.105	8 Inch Underdrain Type B					13		13	LF
606.1301	31" W-Beam Guardrail - Mid-Way Splice (Steel Post, 8" Offset Blocks, Single Faced)					3530		3,530	LF
606.1305	31" W-Beam Guardrail Mid-Way Splice Flared Terminal					3		3	EA
606.1723	Bridge Transition - Type III	2				2		4	EA
606.1724	Bridge Transition - Type III, Modified					1		1	EA
606.277	Terminal End - Anchored End					2		2	EA
606.352	Reflectorized Beam Guardrail Delineator						100	100	EA
606.353	Reflectorized Flexible Guardrail Marker					8		8	EA
606.356	Underdrain Delineator Post					2		2	EA
606.362	Guardrail, Adjust					1970		1,970	LF
606.363	Guardrail Remove And Dispose					8700		8,700	LF
606.569	Remove, Modify And Reset, Double Rail					65		65	LF
607.17	Chain Link Fence - 6 foot				700			700	LF
608.07	Plain Concrete Sidewalk	220						220	SY
609.312	Special Curb, Type 2	30				60		90	LF
610.08	Plain Riprap		55		90	1360		1,505	CY

Date:11/15/2018
Username:
Division: HIGHWAY
Filename: ...\Bridge\MSTA\002_Quantities.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	J. Legere	D. Myers	10/18
CHECKED-REVIEWED	D. Myers	B. Toothaker	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

ESTIMATED QUANTITIES
SHEET 1 OF 2

SHEET NUMBER
2
OF 230

TYLIN INTERNATIONAL

Filename: ...\Bridge\MSTA\002_Quantities.dgn Username: Division: HIGHWAY Date:11/15/2018

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITIES: N.H. APPROACH ROADWAY	N.H. APPROACH BRIDGE SPANS	RIVER BRIDGE	MAINE APPROACH BRIDGE SPANS	MTA APPROACH ROADWAY	MAINTENANCE OF TRAFFIC	TOTAL QUANTITY	UNIT
615.07	Loam					630		630	CY
618.14	Seeding Method No. 2					51		51	UNIT
620.58	Erosion Control Geotextile		160		260			420	SY
620.622	Cellular Confinement System					610		610	SY
626.222	FRP Conduit		4800	4900	4800			14,500	LF
627.18	12 Inch Solid White Pavement Marking Line					3550		3,550	LF
627.1801	12" Solid White Retroreflective Thermoplastic Pavement Marking	690						690	LF
627.51	6 Inch Temporary Pavement Tape, Yellow or White						6500	6,500	LF
627.57	12 Inch Removable Black Line Masking Tape						1350	1,350	LF
627.744	6" White or Yellow Painted Pavement Marking Line	7655	12195	9715	11300	42235		83,100	LF
627.7441	6" White Retroreflective Thermoplastic Pavement Marking	5650						5,650	LF
627.77	Removing Existing Pavement Marking						130000	130,000	SF
627.781	Temporary 6" Painted Pavement Marking Line, White or Yellow						400000	400,000	LF
627.812	Temporary Raised Pavement Markers						36200	36,200	EA
627.94	Pavement Marking Tape					805		805	LF
627.941	Pavement Marking Tape - Dotted White Lane Line, 6-inch Width					385		385	LF
629.05	Hand Labor - Straight Time					80		80	HR
631.10	Air Compressor (Including Operator)					10		10	HR
631.11	Air Tool (Including Operator)					10		10	HR
631.12	All Purpose Excavator (Including Operator)					30		30	HR
631.172	Truck, Large (Including Operator)					5		5	HR
634.160	Highway Lighting		0.33	0.34	0.33			1	LS
634.210	Conventional Light Standard		10	12	14			36	EA
639.18	Field Office, Type A		0.25	0.25	0.25	0.25		1	EA
643.71	Traffic Signal Modification: I-95 SB / Market St						1	1	LS
643.71	Traffic Signal Modification: I-95 NB / Market St						1	1	LS
643.71	Traffic Signal Modification: Route 1 Bypass / Albacore						1	1	LS
643.871	Weigh-In-Motion System					1		1	LS
645.103	Demount Guide Sign					1		1	EA
645.106	Demount Regulatory, Warning, Confirmation and Route Marker Assembly Sign					3		3	EA
645.113	Reinstall Guide Sign					1		1	EA
645.116	Reinstall Regulatory, Warning, Confirmation and Route Marker Assembly Signs					3		3	EA
645.521	Travel Time Sign Integration						1	1	LS
645.523	Travel Time Data						1	1	LS
652.30	Flashing Arrow						4	4	EA
652.312	Type III Barricades						20	20	EA
652.33	Drum						600	600	EA
652.34	Cone						100	100	EA
652.35	Construction Signs						3000	3,000	SF
652.361	Maintenance of Traffic Control Devices						1	1	LS
652.38	Flaggers						3000	3,000	HR
652.381	Traffic Officers						640	640	HR
652.382	Traffic Monitor						915	915	CD
652.41	Portable-Changeable Message Sign						26	26	EA
652.451	Automated Trailer Mounted Speed Limit Sign						200	200	CD
655.511	Embedded Galvanic Anode		7110	4520	4530			16,160	EA
655.513	Embedded Cathodic Protection System (16300 LF)		0.34	0.33	0.33			1	LS
656.75	Temporary Soil Erosion and Water Pollution Control		0.15		0.15		0.70	1	LS
659.10	Mobilization	0.01	0.25	0.24	0.19	0.11	0.20	1	LS
	BID ALTERNATE 1								
508.1401	High Performance Waterproofing Membrane, Torch Applied (50700 SY)		0.42	0.29	0.29			1	LS
	BID ALTERNATE 2								
508.1402	High Performance Waterproofing Membrane, Spray Applied (50700 SY)		0.42	0.29	0.29			1	LS

EARTHWORK COMPUTATIONS

COMMON EXCAVATION FOR ESTIMATE

Common Excavation (from Cross Sections)	3170	
Grubbing in Fill	211	
Total Common Excavation		3381

FILL FOR BORROW CALCULATIONS

Common Fill (from cross sections)	660	
Grubbing in Fill	211	
Pavement Salvage in Fill	0	
Total Fill		871

ROCK EXCAVATION FOR ESTIMATE

Rock Excavation (from cross sections)	-	
Rock Excavation (ledge undercuts)	-	
Total Rock Excavation		0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) Total Common Excavation		3381
Deductions:		
Grubbing in Cut	496	
Grubbing in Fill	211	
Pavement in Cut	1369	
(2) Total Deductions		2075
Total Available Common Excavation (1) minus (2)		1306
Total Available Struct. Excavation (Underdrain only)		0
Total Available Non-Rock Excavation		1306
Total Available Rock Excavation		0

COMPUTATION OF COMMON BORROW FOR ESTIMATE

(3) Total Fill					871
Total Available Non-Rock Excav.	1306	x 0.85	=	1110	
Total Available Rock Excav.	0	x 1.33	=	0	
Total Available Str. Rock Excav.	0	x 1.33	=	0	
(4) Total Available Excavation					1110
Total Available Excavation minus Total Fill [(4)-(3)]					239
Total Surplus Material [(2)+(4)-(3)]					2314

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	J. Legere	D. Myers	10/18
CHECKED-REVIEWED	D. Myers	B. Toothaker	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

ESTIMATED QUANTITIES SHEET 2 OF 2

SHEET NUMBER 3

OF 230

STATION	CULVERT PIPE											CATCH BASIN										PIPE ARCH				UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III																		TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED											BEHIND CURB CB				GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1	B5	C1	F3	F4	F5	F6	F5-C	F6-C	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
DRAINAGE PIPES																																
STA 574+00.50, 67.38' LT TO STA 574+00.53, 75.38' LT								12"	8.00'	12"	8.00'																					SEE NOTES 1 & 2 THIS SHEET
STA 574+00.00, 1.58' LT TO STA 574+00.00, 0.27' RT								12"	2.00'	12"	2.00'																					SEE NOTE 1 THIS SHEET
STA 578+00.00, 2.02' LT TO STA 578+00.00, 0.25' RT								12"	2.50'	12"	2.50'																					SEE NOTE 1 THIS SHEET
STA 587+00.00, 2.50' LT TO STA 587+00.00, 0.24' RT								12"	2.75'	12"	2.75'																					SEE NOTE 1 THIS SHEET
STA 590+50.00, 2.50' LT TO STA 590+50.00, 0.04' LT								12"	2.50'	12"	2.50'																					SEE NOTE 1 THIS SHEET
STA 590+50.41, 71.55' RT TO STA 590+50.42, 79.55' RT								12"	8.00'	12"	8.00'																					SEE NOTES 1 & 2 THIS SHEET
STA 594+00.02, 72.26' RT TO STA 594+00.02, 80.26' RT								12"	8.00'	12"	8.00'																					SEE NOTES 1 & 2 THIS SHEET
STA 594+00.00', 2.50' LT TO STA 594+00.00, 0.19' LT								12"	2.50'	12"	2.50'																					SEE NOTE 1 THIS SHEET
STA 597+49.90, 86.67' RT TO STA 597+49.90, 94.67' RT								12"	8.00'	12"	8.00'																					SEE NOTES 1 & 2 THIS SHEET
STA 597+50.00, 2.50' LT TO STA 597+50.00, 0.37' LT								12"	2.25'	12"	2.25'																					SEE NOTE 1 THIS SHEET
STA 600+50.00, 2.50' LT TO STA 600+50.00, 0.03' LT								12"	2.50'	12"	2.50'																					SEE NOTE 1 THIS SHEET
STA 603+50.00, 2.50' LT TO STA 603+50.00, 0.22' LT								12"	2.25'	12"	2.25'																					SEE NOTE 1 THIS SHEET
STA 606+50.00, 2.50' LT TO STA 606+50.00, 0.45' LT								12"	2.00'	12"	2.00'																					SEE NOTE 1 THIS SHEET
STA 610+50.00, 2.50' LT TO STA 610+50.00, 0.29' LT								12"	2.25'	12"	2.25'																					SEE NOTE 1 THIS SHEET
STA 614+50.00, 2.80' LT TO STA 614+56.00, 2.80' RT								12"	6.75'	12"	6.75'																					SEE NOTE 1 THIS SHEET
CATCH BASINS																																
STA 574+00.00, 3.54' LT													1																			
STA 574+00.00, 2.27' RT																																ADJUST RIM TO GRADE
STA 578+00.00, 4.02' LT													1																			
STA 578+00.00, 2.25' RT																																ADJUST RIM TO GRADE
STA 582+14.68, 2.52' RT																																ADJUST RIM TO GRADE
STA 582+15.02, 5.56' LT																																ADJUST RIM TO GRADE
STA 582+60.98, 5.76' LT																																ADJUST RIM TO GRADE
STA 582+61.09, 2.15' RT																																ADJUST RIM TO GRADE
STA 586+99.77, 81.92' LT																																ADJUST RIM TO GRADE
STA 587+00.00, 4.50' LT														1																		
STA 587+00.35, 107.83' RT																																ADJUST RIM TO GRADE
STA 587+00.00, 2.24' RT														1																		KEEP EXISTING, SET NEW CONE
STA 590+50.00, 4.50' LT														1																		
STA 590+50.00, 1.96' RT														1																		KEEP EXISTING, SET NEW CONE
STA 594+00.00', 4.50' LT														1																		
STA 594+00.00, 1.81' RT														1																		KEEP EXISTING, SET NEW CONE
STA 597+50.00, 4.50' LT														1																		
STA 597+50.00, 1.63' RT														1																		KEEP EXISTING, SET NEW CONE
STA 600+50.00, 4.50' LT														1																		
STA 600+50.00, 1.97' RT														1																		KEEP EXISTING, SET NEW CONE
STA 603+50.00, 4.50' LT														1																		
STA 603+50.00, 1.78' RT														1																		KEEP EXISTING, SET NEW CONE
STA 606+50.00, 4.50' LT														1																		
STA 606+50.00, 1.55' RT														1																		KEEP EXISTING, SET NEW CONE
STA 610+50.00, 4.50' LT														1																		
STA 610+50.00, 1.71' RT														1																		KEEP EXISTING, SET NEW CONE
STA 614+50.00, 4.50' LT														1																		
STA 614+56.00, 4.50' RT														1																		
STA 618+50.04, 1.91' RT																																ADJUST RIM TO GRADE
UNDERDRAINS																																
STA 614+37.64, 1.14' RT TO STA 614+48.94, 3.09' LT																										8"	12.75'					CONNECT TO EXISTING 8" AC

NOTES:
1. NO CORRUGATED METAL PIPE WILL BE ALLOWED. SEE GENERAL NOTES
2. CONNECT TO EXISTING 12" RCP

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE PLANS

BRIDGE NOS. 6330

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DRAINAGE SUMMARY SHEET

SHEET NUMBER
4
OF 230

Filename: ...\MSTA\XXX_Drainage Summary.dgn Division: HIGHWAY Username: Date:11/15/2018

Filename: ...\MSTA\003_General_Notes.dgn Division: HIGHWAY Username: Date:11/15/2018

GENERAL PROJECT NOTES

1. All details shall be in conformance with Maine Department of Transportation (MaineDOT) Standard Details, Highways and Bridges, latest revision and MaineDOT Best Management Practices for Erosion and Sediment Control, latest revision unless otherwise included in these plans.
2. For additional details referenced or not shown in these drawings, see the State of Maine, Department of Transportation Standard Details, latest revision.
3. For easements, construction limits and right-of-way lines, refer to Right-of-Way Map.
4. The Contractor is required to call Dig Safe at 1-888-344-7233 at least 72 hours prior to the start of the work.
5. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
6. "Undetermined Locations" shall be determined by the Resident.
7. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
   a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items will take precedence.
   b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
   c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specification Section 109.7, Equitable Adjustments to Compensation.
8. A bead of Hot-Applied Rubberized Asphalt Sealer (ASTM D6690, Type IV) shall be applied along barriers after installation of base course and on all surface pavement joints. Payment will be incidental to related contract items.
9. Pay Item 527.341, Work Zone Crash Cushions (TL-3) used to protect the Moveable Temporary Concrete Barrier (MTCB) shall be able to pass through the Barrier Transfer Machine. Differing crash cushion types under this pay item are anticipated for the MTCB and the Temporary Concrete Barrier, Type 1.

GENERAL APPROACH NOTES

1. The Contractor is responsible for the careful side-staking of existing centerline as per Standard Specification 105.6.2. Side stakes shall be placed safely outside of the construction limits and the NB and SB crown grades shall be transferred to these stakes. These stakes and grades will be used to layout centerline and determine new construction finish grades. All layout, stakes, and grades will be checked and must be acceptable to the Resident.
2. The Contractor will place appropriately marked stakes at every 500' for stationing. The Contractor will paint every full station (100') on the existing roadway and will transfer the painted stationing through all intermediate lifts (not surface). Stationing control must be placed before work can commence.
3. Portable Changeable Message Signs (PCMS) shall be located in their temporary location as approved by the Resident. The signs shall be in place and functioning properly prior to all appropriate construction phases.
4. No separate payment for superintendent or foreman will be made for the supervision of equipment and layout of work being paid for under the equipment rental items.
5. All clearing shall be considered incidental to the contract and no separate payment will be made. The actual lines for clearing shall be established in the field by the Contractor and approved by the Resident.
6. All joints between existing and proposed hot bituminous pavement shall be butted. Payment will be made under Item 202.203, "Pavement Butt Joints".
7. Payment for sawcutting existing pavement will be incidental to to related 205 items.
8. Payment for removing and regrading existing aggregate subbase will be incidental to related 205 items.
9. Any necessary cleaning of existing pavement prior to paving (or milling) shall be incidental to the related paving (or milling) items. This includes killing and removal of all vegetative matter.
10. Any base pavement not surfaced before opening to traffic will require temporary pavement markings of paint, both yellow and white edge lines, and broken white lane lines, and will be considered part of Item 627.78.
11. Final striping for the project shall be done by the Contractor per the striping layout in the contract documents or as provided by the Department. Payment will be made under appropriate contract items.
12. Grind transition tapers at Catch Basins in accordance with Standard Detail 609(05) or as directed by the Resident; payment will be incidental to related contract items.
13. Any necessary cutting of existing catch basins to allow for proposed pipe connections will not be paid for separately and will be considered incidental to related 603 or 605 Items.
14. Existing culverts and catch basins will be cleaned as directed by the Resident; payment will be incidental to related 604 items.
15. Existing catch basins which are removed and not reused on the project will become the property of the contractor. Payment will be incidental to related 604 items.
16. Flat tops for catch basins are not allowed unless noted on the plans or directed by the Resident.
17. Option III drainage pipes will consist of reinforced concrete pipe or plastic pipe. No corrugated metal pipe will be allowed.
18. Any necessary cutting of existing pipes to fit in areas of proposed catch basins will not be paid for separately and will be considered incidental to Item 604.
19. No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.
20. Any necessary cutting of existing drainage pipes to attach and extend with new drainage pipe, will not be paid for separately and will be considered incidental to Item 603.
21. Backsloping of trenches required to install drainage pipes will not be allowed.
22. Inlets and outlets of all culverts shall be riprapped unless otherwise noted on the plans or directed by the Resident.
23. Place a 24 inch wide strip of Temporary Erosion Control Blanket along the top of all riprap downspouts. Payment will be incidental to Item 610.08, "Plain Riprap".
24. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be incidental to related Contract items.
25. Cellular Confinement System shall be used on all slopes steeper than 2:1 and shall be installed per the special provisions.
26. Where deemed necessary by the Resident, unsuitable excess material shall be removed from the edges of shoulders and placed in designated areas or disposed of. Payment will be incidental to related contract items.
27. The Contractor shall place suitable existing or other material acceptable to the Resident on all pavement edges to allow a drop off no greater than the surface pavement thickness. The material shall be graded to match existing in-slope or as directed by the Resident before surface is placed. The Contractor will be paid under appropriate equipment rental items. Borrow is not authorized until all acceptable waste material has been utilized. Seed and Mulch will be paid for at the contract unit price.
28. Loam has been estimated for disturbed areas. Actual placement of the loam shall be as noted on the plans or designated by the Resident.
29. Unless otherwise noted Seeding Method No. 2 shall be utilized on all disturbed areas.
30. Loam shall be placed to a nominal depth of 4 inches in all areas unless otherwise noted or directed.
31. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs will be at the Contractor's expense.
32. All waste material not used on the project shall be disposed of off the project in acceptable waste areas reviewed by the Resident. Grading, seeding and mulching of waste areas shall be considered incidental.
33. Guardrail which is removed and not reused on the project shall become the property of the Contractor. Payment will be made under Item 606.363, "Guardrail Remove and Dispose".
34. Guardrail end treatments shall be installed concurrently with the placement of each section of beam guardrail.
35. Holes created by Guardrail removal shall be filled and compacted with approved materials as directed by the Resident. Payment to be considered incidental to the guardrail items.
36. Connections for proposed guardrail to existing guardrail will be considered incidental to Item 606.
37. Guardrail posts shall be 9'-0" minimum when installed adjacent to side slopes which are steeper than 2:1.
38. The Contractor shall remove both Median Barrier Transitions Type 1, including connection I-beams, from the terminal end of the existing barrier at the Dennett Road Bridge. The Contractor shall reset one barrier at the terminal end of the proposed median barrier; payment will be made under Item 526.50, "Precast Concrete Barrier, Median". The barrier which is not reused on the project will be delivered to and unloaded at the MTA York maintenance yard or another location, as directed by the Resident; payment will be incidental to Item 526.50, "Precast Concrete Barrier, Median".
39. An NCHRP350 compliant FLEAT guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail; no exceptions or substitutions will be considered.

GENERAL BRIDGE NOTES

1. Bidders and Contractors may obtain a copy of the existing bridge plans by faxing a Request for Information to the Bid Contact Person. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations, which may have been made to the bridge during its life span.
2. Bidders and Contractors may obtain a copy of the bridge deck evaluation report of the existing bridge by faxing a Request for Information to the Bid Contact Person. The report contains visual inspection information and deck core data of the bridge. There is no assurance that the information or data is a true representation of the conditions of the entire deck.
3. The proposed elevations are based on the NAVD 88 Datum. The as-built bridge plans are based on NGVD 29 Datum.
4. All aluminum bridge rail, rail posts, and associated hardware which are to be removed shall be carefully salvaged by the Contractor and will remain the property of the Department. The Contractor shall deliver and unload all salvaged materials to the nearest MaineDOT maintenance lot, as directed by the Resident. Payment will be considered incidental to related contract items.
5. Slipforming of curbs and barriers will not be permitted.
6. All proposed inside and top faces of the bridge fascia barriers and both traffic faces and top face of median barriers shall receive a rubbed finish prior to the application of the Protective Coating for Concrete Surfaces.
7. The Contractor shall be responsible for repairing areas of the existing paint system which is damaged by The Contractor's operations, as directed by The Resident.
8. The steel portions of the existing bridge are coated with a lead-based paint system. The Contractor is responsible for the containment, proper management, and disposal of all lead-contaminated hazardous waste generated by the process of demolishing any portion of the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. The Contractor is solely responsible for the care, custody and control of any components of the existing bridge, once they have been removed from the structure, unless otherwise noted in the plans. The Contractor is solely responsible for any hazardous waste generated as a result of the storage, recycling, or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment and other costs required to remove and dispose of the existing bridge will be considered incidental to the related pay items.
9. Reinforcing steel shall have a clear cover of 2" min., unless otherwise noted.
10. Where drilling and anchoring of reinforcing steel is required, the Contractor shall use a material listed on the MaineDOT Prequalified List of Chemical Anchoring Materials. The depth of embedment shall be sufficient to develop 125% of the yield strength of the bar, but shall be no less than the minimum depth of embedment when specified. Where minimum embedment depth has not been specified, bar lengths have been developed based on an assumed embedment depth of 12 inches. The Contractor shall verify the required depth of embedment and adjust the required bar lengths as required.
11. Payment for drilling and anchoring of reinforcing steel is incidental to Item 503.13, "Reinforcing Steel, Placing", unless otherwise noted on the plans.
12. Concrete repairs, including the associated removals, will be paid under the related 518 items.
13. The minimum depth for all concrete patching areas shall be 1 inch behind all bars (longitudinal and transverse) in the reinforcing mat closest to the repair surface.
14. Any reinforcing steel required to replace deteriorated existing reinforcement shall be paid for under Item 503.12, "Reinforcing Steel, Fabricated and Delivered" and Item 503.13, "Reinforcing Steel, Placing".
15. Chamfer all exposed concrete edges ¾" unless otherwise noted.
16. All exposed concrete surfaces shall be coated with a protective coating in accordance with Specification Section 515, after patching is complete and patch materials have cured. Areas to be coated include:
    a. Permanent Concrete Barrier and Permanent Concrete Median Barrier, to limits shown on plans.
    b. Exposed concrete headers surrounding expansion/rotation joints and bridge drains in the deck.
    c. All vertical and horizontal concrete surfaces for all substructure units, which are exposed in the final condition.

    Equipment necessary to access areas of substructure units which are to receive protective coating shall be considered incidental to Item 515.20, "Protective Coating for Concrete Surfaces".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	B. Toothaker	9/18
CHECKED-REVIEWED	S. Morgan	9/18
DESIGN2-DETAILED2	N. Baker	
DESIGN3-DETAILED3	D. Myers	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

GENERAL NOTES

SHEET NUMBER

5

OF 230

TYLIN INTERNATIONAL



TYLININTERNATIONAL

SHEET NUMBER 6 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

GEOMETRY PLAN

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TSK	SAM	10/18
CHECKED-REVIEWED	HEC	TSK	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

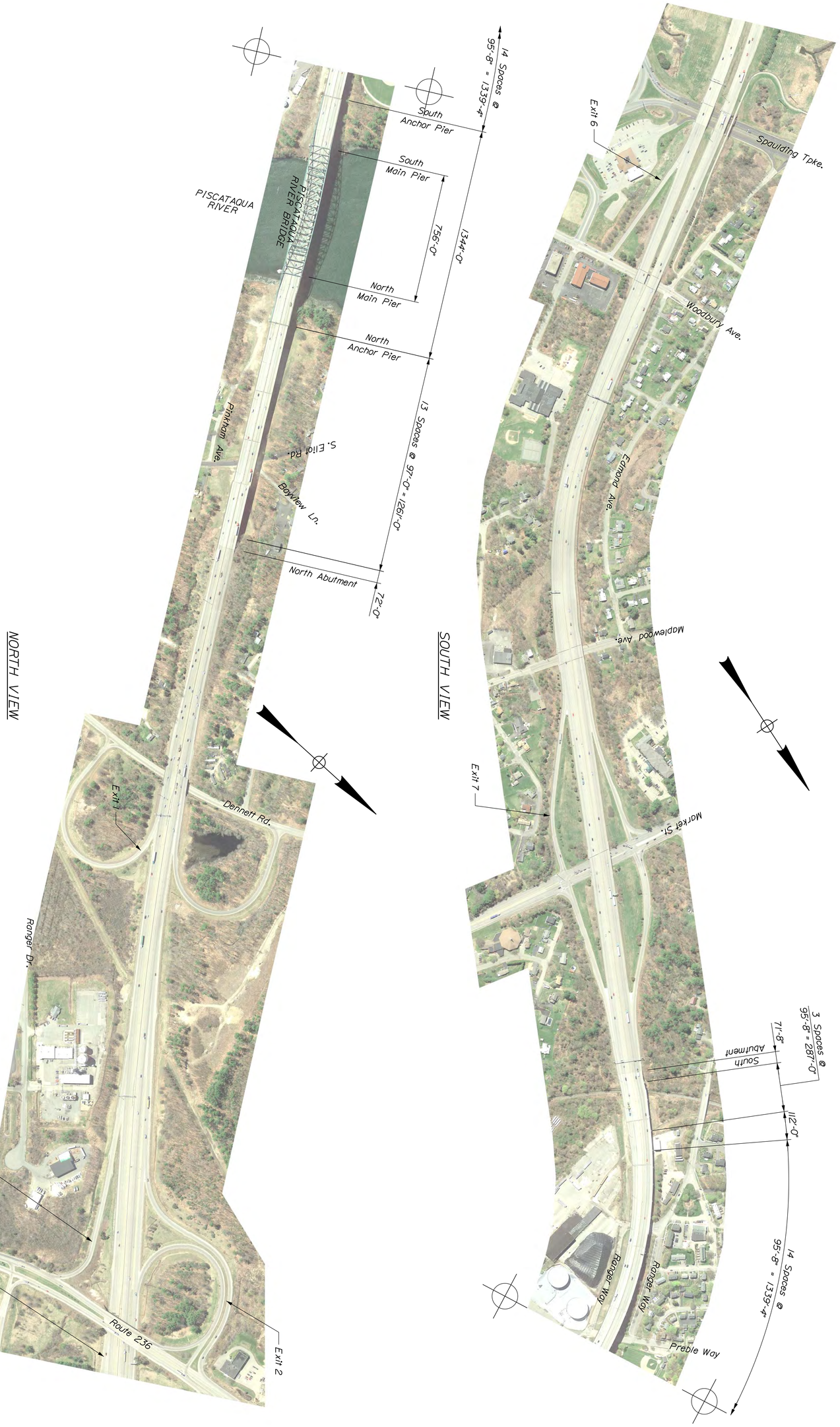
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 **WIN 019270.00** BRIDGE PLANS

Filename: ...\MSTA\xxx_Key_Plan_01.dgn Division: HIGHWAY Username: Date:11/15/2018



TYLININTERNATIONAL

SHEET NUMBER 2 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

KEY PLAN

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	SAM	SAM	10/18
CHECKED-REVIEWED	DSM	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

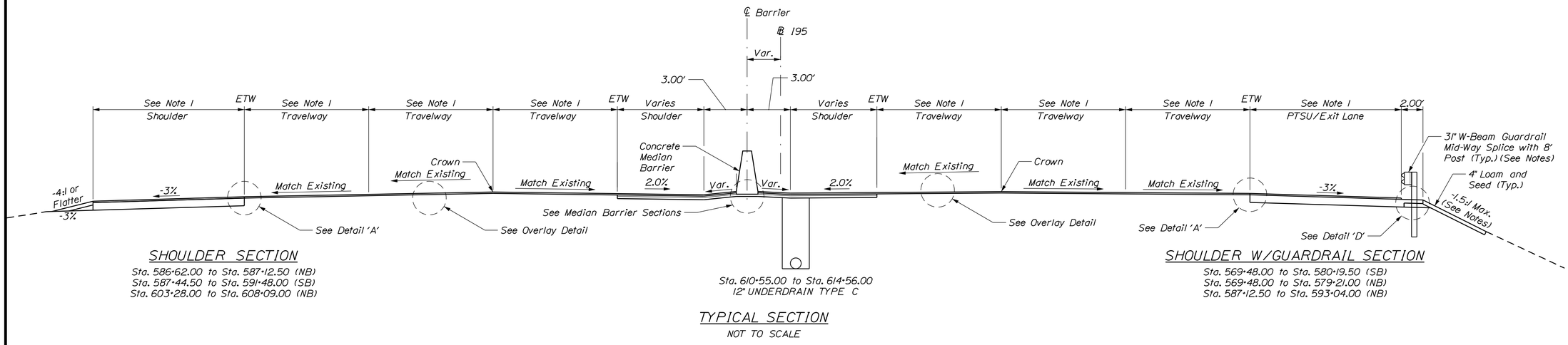
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



SHOULDER SECTION

Sta. 586+62.00 to Sta. 587+12.50 (NB)
Sta. 587+44.50 to Sta. 591+48.00 (SB)
Sta. 603+28.00 to Sta. 608+09.00 (NB)

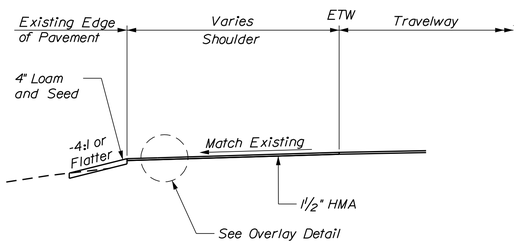
Sta. 610+55.00 to Sta. 614+56.00
12" UNDERDRAIN TYPE C

TYPICAL SECTION

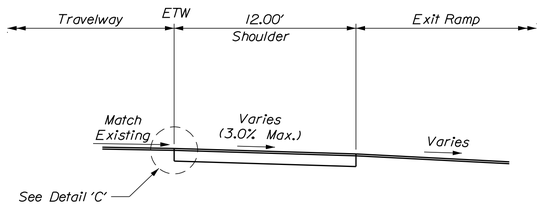
NOT TO SCALE

SHOULDER W/GUARDRAIL SECTION

Sta. 569+48.00 to Sta. 580+19.50 (SB)
Sta. 569+48.00 to Sta. 579+21.00 (NB)
Sta. 587+12.50 to Sta. 593+04.00 (NB)

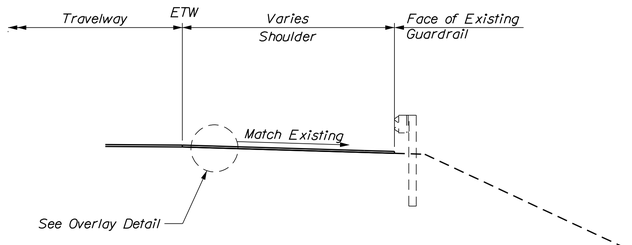


OVERLAY SHOULDER SECTION



GORE SHOULDER SECTION

Sta. 585+20.50 to Sta. 586+61.50 (NB)
Sta. 601+50.00 to Sta. 603+28.50 (NB)



OVERLAY SHOULDER W/GUARDRAIL SECTION

LEGEND:

ETW = EDGE OF TRAVELWAY
NB = NORTHBOUND
SB = SOUTHBOUND
PTSU = PART TIME SHOULDER USE

Notes:
1. See Signing and Striping plans for lane and shoulder widths.
2. See Highway Approach Plans and Overlay, Signing and Striping General Plans for overlay and mill and fill limits.
3. See General Notes for additional information.

NOT TO SCALE

T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH TYPICAL SECTIONS

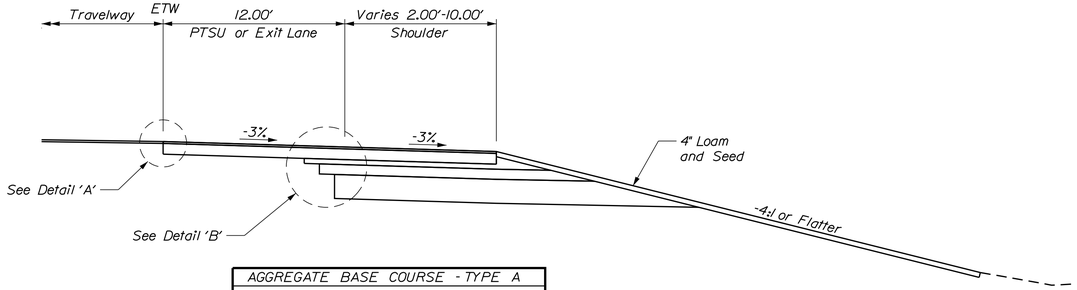
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OF 230

Date:11/15/2018

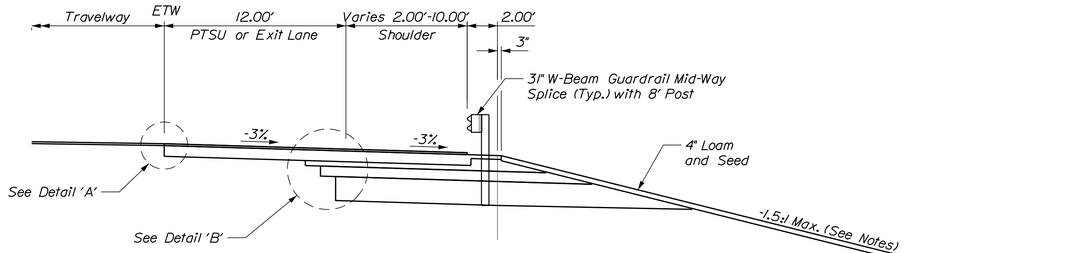
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AGGREGATE BASE COURSE - TYPE A
Shoulder 21.11 CY/100 LF
AGGREGATE SUBBASE COURSE - GRAVEL
Shoulder 41.26 CY/100 LF
GRANULAR BORROW
Shoulder 120.81 CY/100 LF

FULL DEPTH SHOULDER SECTION

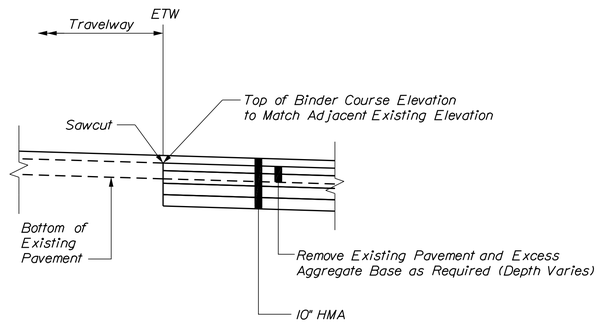
Sta. 596+91.00 to Sta. 598+86.00 (NB)
Sta. 608+09.00 to Sta. 610.07.00 (NB)



AGGREGATE BASE COURSE - TYPE A
Shoulder 19.78 CY/100 LF
AGGREGATE SUBBASE COURSE - GRAVEL
Shoulder 40.44 CY/100 LF
GRANULAR BORROW
Shoulder 116.96 CY/100 LF

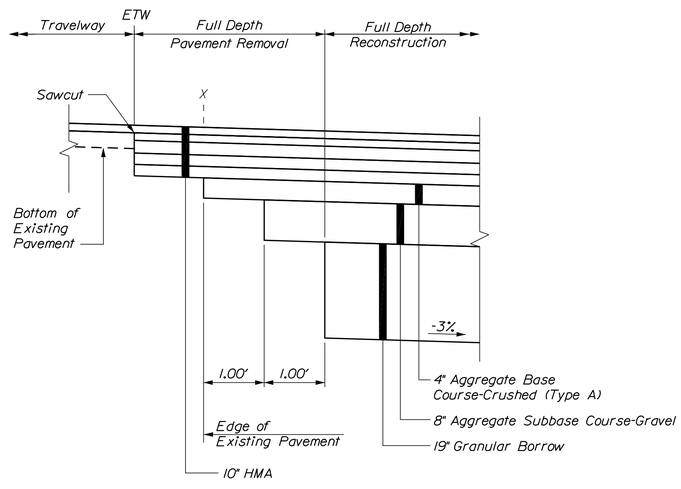
FULL DEPTH GUARDRAIL SHOULDER SECTION

Sta. 593+04.00 to Sta. 596+91.00 (NB)
Sta. 598+86.00 to Sta. 599+60.00 (NB)
Sta. 610+07.00 to Sta. 614+49.00 (NB)



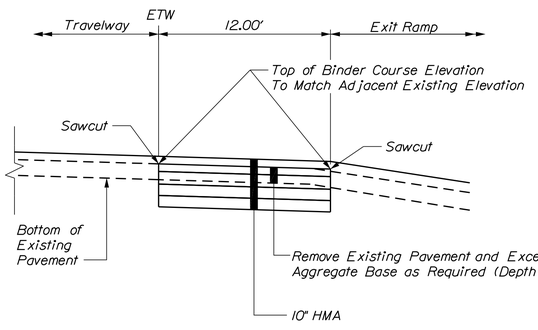
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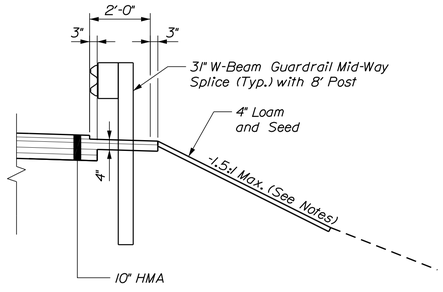
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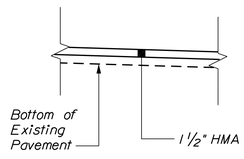
DETAIL C

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DETAIL D

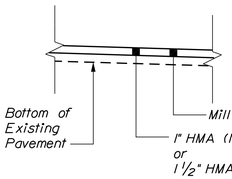
NOT TO SCALE



Note:
See Overlay, Signing & Striping Plans for limits.

OVERLAY DETAIL

NOT TO SCALE



Note:
See Overlay, Signing & Striping Plans for limits.

MILL AND FILL DETAIL

NOT TO SCALE

LEGEND:

ETW = EDGE OF TRAVELWAY
NB = NORTHBOUND
SB = SOUTHBOUND
PTSU = PART TIME SHOULDER USE

NOT TO SCALE

T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

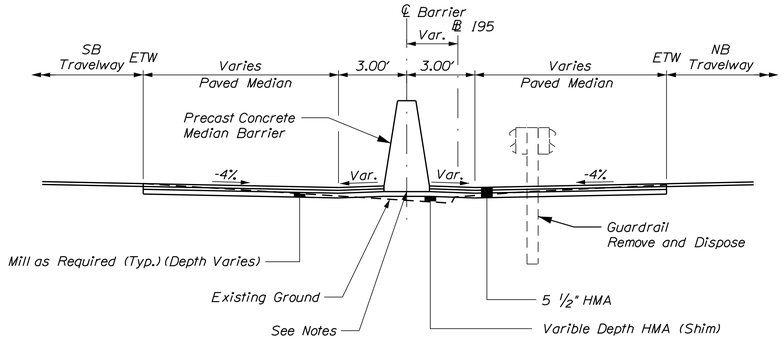
HIGHWAY APPROACH TYPICAL SECTIONS

SHEET NUMBER

9

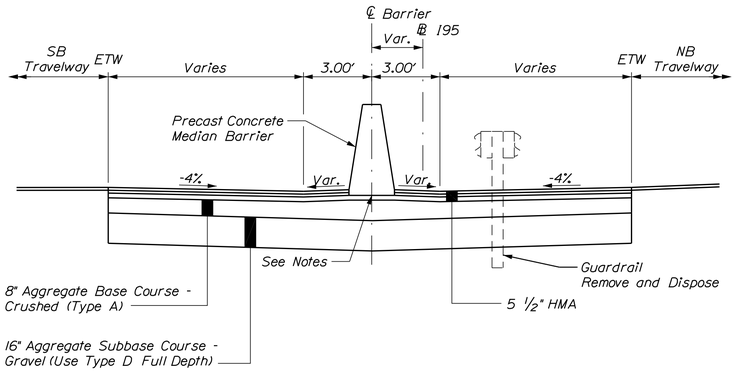
OF 230

Filename: ...\00\Highway\MSTA\XXX_Typ_02.dgn Division: HIGHWAY Username: Date:11/15/2018



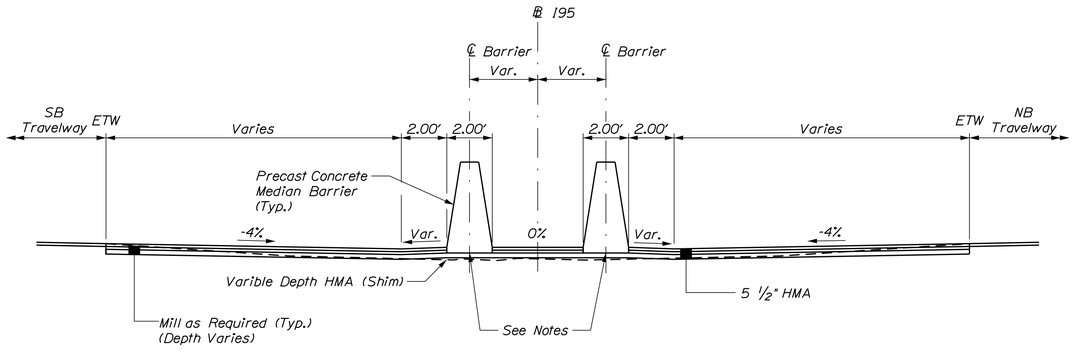
SINGLE MEDIAN BARRIER SECTION

(Not to Scale)



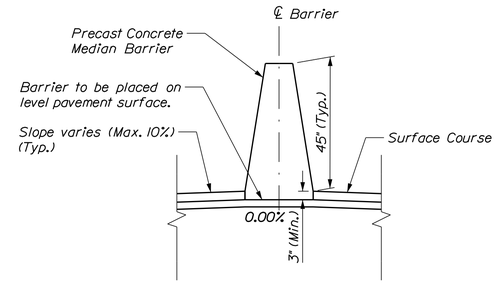
SINGLE MEDIAN BARRIER SECTION FULL DEPTH

(Not to Scale)
At Catch Basin Locations



DOUBLE MEDIAN BARRIER SECTION

(Not to Scale)
Sta. 585+00.13 to Sta. 585+51.09
Sta. 601+66.14 to Sta. 601+81.73



BARRIER DETAIL

(Not to Scale)

LEGEND:

ETW = EDGE OF TRAVELWAY
NB = NORTHBOUND
SB = SOUTHBOUND

NOTE:

1. See cross sections and highway approach plans for additional barrier placement information.

NOT TO SCALE

TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER : Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
TYPICAL SECTIONS

SHEET NUMBER

10

OF 230

Filename: ...\00\Highway\MSTA\XXX_Typ_03.dgn Division: HIGHWAY Username: Date:11/15/2018

ITEM 606.1305 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARE TERMINAL (31" HEIGHT)

STATION	OFFSET
587+12.85	66.04' Rt
598+86.03	74.12' Rt
610+06.61	71.39' Rt

ITEM 606.1723 - BRIDGE TRANSITION - TYPE III

STATION	OFFSET
569+45.85	51.95' Rt
569+45.83	51.67' Lt
523+82.76	75.23'Rt
523+82.74	69.29' Lt

ITEM 606.1724 - BRIDGE TRANSITION - TYPE III, MODIFIED

STATION	OFFSET
616+28.43	BL

ITEM 606.1301 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, SINGLE FACED)

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
569+66	52.35' Rt		579+21	60.57' Rt	956
569+66	52.24' Lt		580+20	65.46' Lt	1052
587+50	62.07' Rt		596+91	70.23' Rt	945
599+23	70.11' Rt		599+95	70.42' Rt	72
610+44	68.47' Rt		615+49	76.51' Rt	505

ITEM 606.278 - TERMINAL END - ANCHORED END

STATION	OFFSET
596+91.49	70.23'Rt
615+48.72	76.51' Rt

ITEM 606.353 - REFLECTORIZED FLEXIBLE GUARDRAIL MARKER

STATION	OFFSET
587+13	66.04' Rt
587+50	62.07' Rt
596+91	70.23' Rt
598+86	74.17' Rt
599+23	70.11' Rt
610+06	71.43' Rt
610+44	68.47' Rt
615+49	76.53' Rt

ITEM 606.362 - GUARDRAIL ADJUST

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
579+21	60.57' Rt		582+47	66.43' Rt	327
580+20	65.46' Lt		582+97	72.34' Lt	276
583+44	67.98' Rt		585+44	71.57' Rt	201
583+97	76.11' Lt		587+34	88.78' Lt	336
587+27	92.08' Rt		587+62	116.31' Rt	42
591+48	65.69' Lt		596+77	89.90' Lt	528
599+95	70.42' Rt		602+47	88.39' Rt	255

ITEM 606.363 - GUARDRAIL REMOVE AND DISPOSE

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
569+47.99	51.78' Rt		579+20.90	60.57' Rt	975'
569+48.44	51.00' Lt		580+19.58	65.46' Lt	1070'
587+12.89	65.23' Rt		596+00.44	61.05' Rt	891'
598+84.90	68.36' Rt		599+94.62	70.42' Rt	111'
611+97.47	65.43' Rt		615+48.59	76.50' Rt	352'
569+48.22	1.19' Rt		581+90.36	2.49' Lt	1242'
583+90.22	3.33' Lt		617+10.17	5.00' Lt	3319'
584+07.61	2.96' Lt		585+31.26	5.64' Rt	141'
599+96.03	4.35' Lt		602+32.99	4.47' Rt	237'
612+71.08	4.16' Lt		616+32.79	4.48' Rt	362'

ITEM 606.3651 - GUARDRAIL, REMOVE, MODIFY, AND RESET EXISTING TO TYPE 3D

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
616+49	0.98' Rt		617+10	4' Lt	65'

ITEM 526.361 - MEDIAN BARRIER FIXED OBJECT BARRIER

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
614+46.21	BL		616+10.77	BL	164.56'

ITEM 526.5 - PRECAST CONCRETE BARRIER, MEDIAN

STATION	OFFSET	TO	STATION	OFFSET	LENGTH
569+48.25	BL		581+88.25	1.98' LT	1240.00'
583+71.26	2.44' LT		585+51.09	3.77' RT	180.00'
585+00.13	6.91' LT		601+81.73	3.09' RT	1681.60'
601+66.14	7.59' LT		614+46.21	BL	1280.07'
616+10.77	BL		616+30.77	BL	20.00'

ITEM 610.08 - PLAIN RIPRAP

STATION	LENGTH
574+00.00, LT	85.27'
590+50.00, RT	45.00'
594+00.00, RT	17.40'
597+50.00, RT	14.00'

Filename: ...\xxx_ConstructionNotes_01.dgn Division: HIGHWAY Username: Date:11/15/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	BLT	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CONSTRUCTION NOTES

SHEET NUMBER
11
OF 230

TYLIN INTERNATIONAL

CBI
STA. 574+00.00, 2.27' RT
ADJUST RIM ELEV.
RIM = 84.50
8" INV. IN = 77.58 (EXIST)
12" INV. OUT = 77.61

PI
STA. 574+00.00, 1.58' LT TO
STA. 574+00.00, 0.25' RT
INSTALL 12" x 2.00'
CULVERT PIPE OPT III

CB2
STA. 574+00.00, 3.54' LT
CB TYPE BI
RIM = 84.55
12" INV. IN = 77.58
12" INV. OUT = 77.40

P2
STA. 574+00.50, 67.38' LT TO
STA. 574+00.53, 75.38' LT
INSTALL 12" x 8.00'
CULVERT PIPE OPT III

GUARDRAIL - REMOVE
TRANSITION BARRIER TYPE III
3.0' WIDE RIPRAP DOWNSPOUT
PC = STA. 575+44.05
CONNECT PRECAST CONCRETE MEDIAN BARRIER TO PRECAST BONCRETE TRANSITION BARRIER STA. 569+48.25, AT BASELINE
195 SOUTHBOUND
PAVEMENT SAWCUT LINE
PRECAST CONCRETE MEDIAN BARRIER
569+00
570+00
571+00
572+00
573+00
574+00
575+00
N53°16'28.37"E
PRECAST CONCRETE TRANSITION BARRIER
℄ 195
DOUBLE GUARDRAIL - REMOVE
CBI
PAVEMENT SAWCUT LINE
195 NORTHBOUND
TRANSITION BARRIER TYPE III
GUARDRAIL - REMOVE

NOTES:

1. FOR CATCH BASIN AND DRAINAGE INFORMATION, REFER TO "DRAINAGE DETAILS" AND "DRAINAGE SUMMARY" SHEETS.
2. FOR BARRIER INFROMATION, REFER TO "HIGHWAY APPROACH DETAILS" AND "CROSS SECTION SHEETS".
3. FOR SIGNING AND STRIPING DETAILS, REFER TO "OVERLAY, SIGNING AND STRIPING" PLANS
4. FOR CONSTRUCTION NOTES, REFER TO "CONSTRUCTION NOTES" SHEET.

T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	SIGNATURE	P.E. NUMBER	DATE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
PLAN - SHEET 1 OF 8

SHEET NUMBER
12
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_HPlan_01.dgn

CB3
STA. 578+00.00, 2.25' RT
ADJUST RIM ELEV.
RIM = 78.51
8" INV. IN = 71.39 (EXIST)
12" INV. OUT = 71.19

P3
STA. 578+00.00, 2.02' LT TO
STA. 578+00.00, 0.25' RT
INSTALL 12" x 2.50'
CULVERT PIPE OPT III

CB4
STA. 578+00.00, 4.02' LT
CB TYPE BI
RIM = 78.33
12" INV. IN = 70.94
12" INV. OUT = 71.11

CB-RI
STA. 582+14.68, 5.52' RT
ADJUST RIM TO GRADE

CB-R2
STA. 582+15.02, 5.56' LT
ADJUST RIM TO GRADE

CB-R3
STA. 582+60.98, 5.76' LT
ADJUST RIM TO GRADE

CB-R4
STA. 582+61.09, 2.15' RT
ADJUST RIM TO GRADE

PC = STA. 575+44.05

GUARDRAIL - REMOVE

REMOVE EXISTING
WEIGH-IN-MOTION SYSTEM
AND ALL ASSOCIATED COMPONENTS

STA. 578+82, 68.00' LT
INSTALL NEW SERVICE POLE
CABINET AND CONTROLS
FOR WEIGH-IN-MOTION SYSTEM

STA. 580+19.61
END SHOULDER
RECONSTRUCTION

CONNECT NEW GUARDRAIL
TO EXISTING ADJUSTED
GUARDRAIL

GUARDRAIL - ADJUST

PAVEMENT SAWCUT LINE

195 SOUTHBOUND

CONNECT PRECAST CONCRETE MEDIAN
BARRIER TO EXISTING BARRIER
STA. 582+09.05
1.98' LT

PRECAST CONCRETE
MEDIAN BARRIER

576+00 577+00 578+00 579+00 580+00 581+00 582+00

CB4
P3
CB3
CB-R3
CB-R2
CB-R4
CB-RI

STA. 578+82, 4.00' RT
INSTALL NEW PULL BOX FOR
WEIGH-IN-MOTION SYSTEM

REMOVE EXISTING CONCRETE TRANSITION BARRIER
SEE GENERAL NOTES SHEET

DOUBLE GUARDRAIL - REMOVE

℄ 195

PAVEMENT SAWCUT LINE

195 NORTHBOUND

GUARDRAIL - REMOVE

STA. 579+21.10
END SHOULDER
RECONSTRUCTION

CONNECT NEW GUARDRAIL
TO EXISTING ADJUSTED
GUARDRAIL

GUARDRAIL - ADJUST

DEWETT ROAD

NO LEFT TURN

NOTES:

1. SHOULD NEW CONDUIT BE NEEDED FOR THE WEIGH-IN-MOTION SYSTEM, NO DIRECT PAVEMENT CUTTING WILL BE ALLOWED. NEW CONDUIT INSTALLATION WILL BE DONE BY DIRECTIONAL DRILLING ONLY AND WILL BE INCIDENTAL TO 643 ITEMS.
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL WEIGH-IN-MOTION SYSTEM INFORMATION.
3. SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR ADDITIONAL NOTES.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	SIGNATURE	P.E. NUMBER	DATE

PROJ. MANAGER: Leanne Timberlake			
DESIGN-DETAILED	TSK	BY	DATE
CHECKED-REVIEWED	HEC	MJD	10/18
DESIGN2-DETAILED2		KSD	10/18
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH PLAN - SHEET 2 OF 8

SHEET NUMBER
13
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_HPlan_02.dgn

Filename: ...\Highway\MSTA\XXX_HPlan_03.dgn Division: HIGHWAY Username: Date:11/7/2018

CB5
STA. 587+00.00, 2.24' RT
ALTER CB TO B5
RIM = 64.92
12" INV. OUT = 58.01

P4
STA. 587+00.00, 2.50' LT TO
STA. 587+00.00, 0.24' RT
INSTALL 12" x 2.75'
CULVERT PIPE OPT III

CB6
STA. 587+00.00, 4.50' LT
INSTALL CB TYPE B5
RIM = 64.85
12" INV. IN = 57.98
12 INV. OUT = 57.91

CB-R5
STA. 586+99.77, 81.92' LT
ADJUST RIM TO GRADE

CB-R6
STA. 587+00.35, 107.83' RT
ADJUST RIM TO GRADE

DENNETT ROAD

GUARDRAIL - ADJUST

CONNECT PRECAST CONCRETE MEDIAN BARRIER TO EXISTING BARRIER
STA. 583+71.26
2.44' LT

REMOVE EXISTING TRANSITION BARRIER, SEE GENERAL NOTES SHEET

NO PROPOSED WORK TO BE DONE WITHIN THE LIMITS OF DENNETT ROAD BRIDGE

I95 SOUTHBOUND

PRECAST CONCRETE MEDIAN BARRIER
STA. 585+00.13
6.91' LT

PRECAST CONCRETE MEDIAN BARRIER
STA. 585+40.14
6.91' LT

582+00 583+00 584+00 585+00 586+00 587+00 588+00 589+00

PRECAST CONCRETE MEDIAN BARRIER
STA. 583+91.26
2.37' LT

PRECAST CONCRETE MEDIAN BARRIER
STA. 585+11.10
3.77' RT

PRECAST CONCRETE MEDIAN BARRIER
STA. 585+51.09
3.77' RT

I95 NORTHBOUND

℄ I95

CB6

DOUBLE GUARDRAIL - REMOVE

CB5

PRECAST CONCRETE MEDIAN BARRIER
STA. 586+80.00
AT BASELINE

STA. 587+44.52
BEGIN SHOULDER RECONSTRUCTION

END OVERLAY MATCH EXISTING

EXIT I SB ON-RAMP

CB-R5

GUARDRAIL - ADJUST

GUARDRAIL - REMOVE

MID-WAY SPLICE
FLARED TERMINAL

EXIT I NB OFF-RAMP

STA. 585+20.67
BEGIN SHOULDER/GORE RECONSTRUCTION

END OVERLAY
MATCH EXISTING

NO LEFT TURN

40 MPH

TRAFFIC COUNTER ON POLE

MAINE HONORS TROOPS

8:1 3:1 3:1 2:1 1.75:1

NOTE:
SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR NOTES.

TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	
CHECKED-REVIEWED	HEC	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	MJD	10/18
REVISIONS 2	KSD	10/18
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH PLAN - SHEET 3 OF 8

SHEET NUMBER
14
OF 230

Filename: ...\Highway\MSTA\XXX_HPlan_04.dgn Division: HIGHWAY Username: Date:11/7/2018

CB8
STA. 590+50.00, 4.50' LT
CB TYPE B5
RIM = 59.56
12" INV. OUT = 53.55

P5
STA. 590+50.00, 2.50' LT TO
STA. 590+50.00, 0.04' LT
INSTALL 12" x 2.50'
CULVERT PIPE OPT III

CB7
STA. 590+50.00, 1.96' RT
ALTER CB TO B5
RIM = 59.64
8" INV. IN = 53.28 (EXIST)
12" INV. IN = 53.50
12" INV. OUT = 53.18 (EXIST)

P6
STA. 590+50.41, 71.55' RT TO
STA. 590+50.42, 79.55' RT
INSTALL 12" x 8.00'
CULVERT PIPE OPT III

CB10
STA. 594+00.00, 4.50' LT
CB TYPE B5
RIM = 54.33
12" INV. OUT = 48.04

P7
STA. 594+00.00, 2.50' LT TO
STA. 594+00.00, 0.19' LT
INSTALL 12" x 2.50'
CULVERT PIPE OPT III

CB9
STA. 594+00.00, 1.81' RT
ALTER CB TO B5
RIM = 54.43
12" INV. IN = 48.00
12" INV. OUT = 47.49 (EXIST)

P8
STA. 594+00.02, 72.26' RT TO
STA. 594+00.02, 80.26' RT
INSTALL 12" x 8.00'
CULVERT PIPE OPT III

CURVE DATA #2
PI = a 589+89.40
D = 0°20'00.0"
Δ = 9°36'47.0" Lt.
R = 17188.73'
L = 2883.92'
T = 1445.35'
E = 60.66'

STA. 591+48.22
END SHOULDER
RECONSTRUCTION

GUARDRAIL - ADJUST

PAVEMENT SAWCUT

195 SOUTHBOUND

DOUBLE GUARDRAIL - REMOVE

℄ 195

195 NORTHBOUND

PAVEMENT SAWCUT

GUARDRAIL - REMOVE

589+00 590+00 591+00 592+00 593+00 594+00 595+00

P5 CB8 CB7 P6 P7 CB9 P8 CB10

4:1 2:1 1.75:1 CLL

MAINE HONORS TROOPS

TRUCK STOP

MONITORING WELL

SPEED 47 / 55

NOTE:
SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR NOTES.

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
PLAN - SHEET 4 OF 8

SHEET NUMBER
15
OF 230

CBI2
STA. 597+50.00, 4.50' LT
CB TYPE B5
RIM = 49.14
12" INV. OUT = 43.53

P9
STA. 597+50.00, 2.50' LT TO
STA. 597+50.00, 0.37' LT
INSTALL 12" x 2.25'
CULVERT PIPE OPT III

CBII
STA. 597+50.00, 1.63' RT
ALTER CB TO B5
RIM = 49.23
8" INV. IN = 42.63 (EXIST)
12" INV. IN = 43.50
12" INV. OUT = 42.93 (EXIST)

PIO
STA. 597+49.90, 86.67' RT TO
STA. 597+49.90, 94.67' RT
INSTALL 12" x 8.00'
CULVERT PIPE OPT III

CBI4
STA. 600+50.00, 4.50' LT
CB TYPE B5
RIM = 44.55
12" INV. OUT = 38.04

PII
STA. 600+50.00, 2.50' LT TO
STA. 600+50.00, 0.03' LT
INSTALL 12" x 2.50'
CULVERT PIPE OPT III

CBI3
STA. 600+50.00, 1.97' RT
ALTER CB TO B5
RIM = 49.72
8" INV. IN = 37.47 (EXIST)
12" INV. IN = 38.00
12" INV. OUT = 37.41 (EXIST)

END OVERLAY
MATCH EXISTING
BEGIN MILL AND FILL
MAINLINE (SB)
(TRAVEL LANES ONLY)

MONITORING WELL

ADJUST GUARDRAIL

EXIT 2 SOUTHBOUND ON-RAMP

PRECAST CONCRETE
MEDIAN BARRIER
STA. 601+66.14
7.59' LT

PRECAST CONCRETE
MEDIAN BARRIER
STA. 601+86.14
7.59' LT

LIMITS OF
MILL AND FILL

I95 SOUTHBOUND

DOUBLE GUARDRAIL - REMOVE

595+00 596+00 597+00 598+00 599+00 600+00 601+00 602+00

CBI2
P9
CBII
℄ I95
CBI4
PII
CBI3

PRECAST CONCRETE
MEDIAN BARRIER
STA. 600+80.00
AT BASELINE

PRECAST CONCRETE
MEDIAN BARRIER
STA. 601+59.93
3.09' RT

PRECAST CONCRETE
MEDIAN BARRIER
STA. 601+81.73
3.09' RT

I95 NORTHBOUND

PAVEMENT SAWCUT

EXIT 2 NORTHBOUND OFF-RAMP

1.75:1 2:1 3:1 4:1

TERMINAL END -
ANCHORED END

GUARDRAIL - REMOVE

PIO

MID-WAY SPLICE
FLARED TERMINAL

4:1 6:1

GUARDRAIL - REMOVE

CONNECT NEW GUARDRAIL
TO EXISTING ADJUSTED
GUARDRAIL

GUARDRAIL - ADJUST

STA. 599+60.71
END SHOULDER
RECONSTRUCTION

STA. 601+50.00
BEGIN SHOULDER/GORE
RECONSTRUCTION

TRAFFIC CABINET ON POST
30 MPH ON RAMP

MONITORING WELL

NOTE:
SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR NOTES.

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED TSK	MJD	10/18
CHECKED-REVIEWED HEC	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
PLAN - SHEET 5 OF 8

SHEET NUMBER
16
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_HPlan_05.dgn

CBI6
STA. 603+50.00, 4.50' LT
CB TYPE B5
RIM = 40.21
12" INV. IN = 33.24
12" INV. OUT = 33.23

PI2
STA. 603+50.00, 2.50' LT TO
STA. 603+50.00, 0.22' LT
INSTALL 12" x 2.25'
CULVERT PIPE OPT III

CBI5
STA. 603+50.00' 1.78' RT
ALTER CB TO B5
RIM = 40.49
12" INV. OUT = 33.24
12" INV. IN = 33.34 (EXIST)

CBI8
STA. 606+50.00, 4.5' LT
CB TYPE B5
RIM = 36.96
12" INV. IN = 30.98
12" INV. OUT = 30.95

PI3
STA. 606+50.00, 2.50' LT TO
STA. 606+50.00, 0.45' LT
INSTALL 12" x 2.00'
CULVERT PIPE OPT III

CBI7
STA. 606+50.00, 2.39' RT
ALTER CB TO B5
RIM = 37.23
12" INV. OUT = 30.98
8" INV. IN = 31.38 (EXIST)

EXIT 2 SB ON-RAMP

PRECAST CONCRETE MEDIAN BARRIER
STA. 601+86.14
7.59' LT

EXIT 2 SOUTHBOUND ON-RAMP

PT = STA. 604+27.97

SOUTHBOUND COLLECTOR/DISTRIBUTOR ROAD

I95 SOUTHBOUND

PRECAST CONCRETE MEDIAN BARRIER
STA. 603+46.00
AT BASELINE

CBI6

DOUBLE GUARDRAIL - REMOVE

LIMITS OF
MILL AND FILL

CBI8

602+00 603+00 604+00 605+00 606+00 607+00 608+00 609+00

N43°39'41.37"E

PI2

PI3

CBI5

CBI7

℄ I95

PRECAST CONCRETE
MEDIAN BARRIER
STA. 601+81.73
3.09' RT

I95 NORTHBOUND

PAVEMENT SAWCUT

PAVEMENT SAWCUT

EXIT 2 NORTHBOUND OFF-RAMP

END OVERLAY
MATCH EXISTING

NOTE:
SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR NOTES.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	MJD	10/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3	KSD	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
PLAN - SHEET 6 OF 8

SHEET NUMBER
17
OF 230

T·Y LIN INTERNATIONAL

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_HPlan_06.dgn

CB20
STA. 61+50.00, 4.50' LT
CB TYPE B5
RIM = 34.45
12" INV. IN = 27.06
12" INV. OUT = 27.01

PI4
STA. 610+50.00, 2.50' LT TO
STA. 610+50.00, 0.29' LT
INSTALL 12" x 2.25'
CULVERT PIPE OPT III

CBI9
STA. 610+50.00 1.71' RT
ALTER CB TO B5
RIM = 34.71
12" INV. OUT = 27.07
8" INV. IN = 27.47 (EXIST)

PI5
STA 610+55.00, 4.50' RT TO
STA 614+56.00, 4.50' RT
INSTALL 12" x 398.95'
UNDERDRAIN TYPE C

CB22
STA. 614+50.00, 4.50' LT
CB TYPE B5
RIM = 32.49
12" INV. IN = 25.68
12" INV. OUT = 25.62

PI6
STA. 614+50.00, 2.80' LT TO
STA. 614+56.00, 2.80' RT
INSTALL 12" x 6.75'
CULVERT PIPE OPT III

CB2I
STA. 614+56.00, 4.50' RT
CB TYPE B5
RIM = 32.72
8" INV. IN = 26.06 (ASSUMED)
12" INV. IN = 26.00
12" INV. OUT = 25.78

PI6
STA. 614+37.64, 1.14' RT TO
STA. 614+48.94, 3.09' LT
INSTALL 8" x 12.75'
UNDERDRAIN TYPE B

SOLAR FARM
(BY OTHERS)

EXIT 2 SB OFF-RAMP

SOUTHBOUND COLLECTOR/DISTRIBUTOR ROAD

195 SOUTHBOUND

LIMITS OF MILL AND FILL

DOUBLE GUARDRAIL - REMOVE

CB20

609+00 610+00 611+00 612+00 613+00 614+00 615+00

N43°39'41.37"E

PI4

CBI9

℄ I95

PI5

195 NORTHBOUND

CUT EXISTING 8" AC UNDERDRAIN PIPE AND CONNECT NEW 8" UD TYPE B WITH COUPLING (SEE NOTES)

GUARDRAIL - REMOVE

PI7

CB22

PI6

CB2I

REMOVE

GUARDRAIL - REMOVE

CONNECT PRECAST ROADWAY MEDIAN BARRIER TO CAST-IN-PLACE ROADWAY MEDIAN BARRIER. FIXED OBJECT PROTECTION STA. 614+46.21, AT BASELINE

PAVEMENT SAWCUT LINE

EXIT 3 NORTHBOUND OFF-RAMP

6:1 5:1 4:1 4:1 3:1 2:1 2:1 3:1

MID-WAY SPLICE
FLARED TERMINAL

GUARDRAIL - REMOVE

STA. 614+49.02
END SHOULDER
RECONSTRUCTION

NOTES:

1. COUPLING FOR 8" UD TYPE B WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 605.105.
2. SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR ADDITIONAL NOTES.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

P.E. NUMBER		
SIGNATURE		
DATE		

PROJ. MANAGER	Leanne Timberlake	
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH
PLAN - SHEET 7 OF 8

SHEET NUMBER
18
OF 230

TY-LIN INTERNATIONAL

Filename: ...\Highway\MSTA\XXX_HPlan_07.dgn Division: HIGHWAY Username: Date:11/7/2018

Filename: ...\Highway\MSTA\XXX_HPlan_08.dgn Division: HIGHWAY Username: Date:11/7/2018

CB-R7
STA. 618+50.04, 1.91' RT
ADJUST RIM TO GRADE

6"X6", .8 AWG GRN DH

Ø

85' SOUTH NH

CB CC BASE

EXIT 2 SOUTHBOUND OFF-RAMP AND COLLECTOR/DISTRIBUTOR ROAD

12" RCP

GUARDRAIL - REMOVE

END PRECAST CONCRETE TRANSITION BARRIER

STA. 617+10, END GUARDRAIL - REMOVE, MODIFY AND RESET

195 SOUTHBOUND

LIMITS OF MILL AND FILL

616+00 617+00 618+00 619+00 620+00 621+00 622+00

N43°39'41.37"E

GUARDRAIL - REMOVE, MODIFY AND RESET

℄ 195

CB-R7

BRIDGE TRANSITION - TYPE III, MODIFIED

GUARDRAIL - REMOVE

195 NORTHBOUND

EXIT 3

EXIT 3 NORTHBOUND OFF-RAMP

TRAFFIC COUNTER

EXIT 45 MPH

END OVERLAY MATCH EXISTING

END OVERLAY MATCH EXISTING

NOTE:
SEE "HIGHWAY APPROACH PLAN - SHEET 1 OF 8" FOR NOTES.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

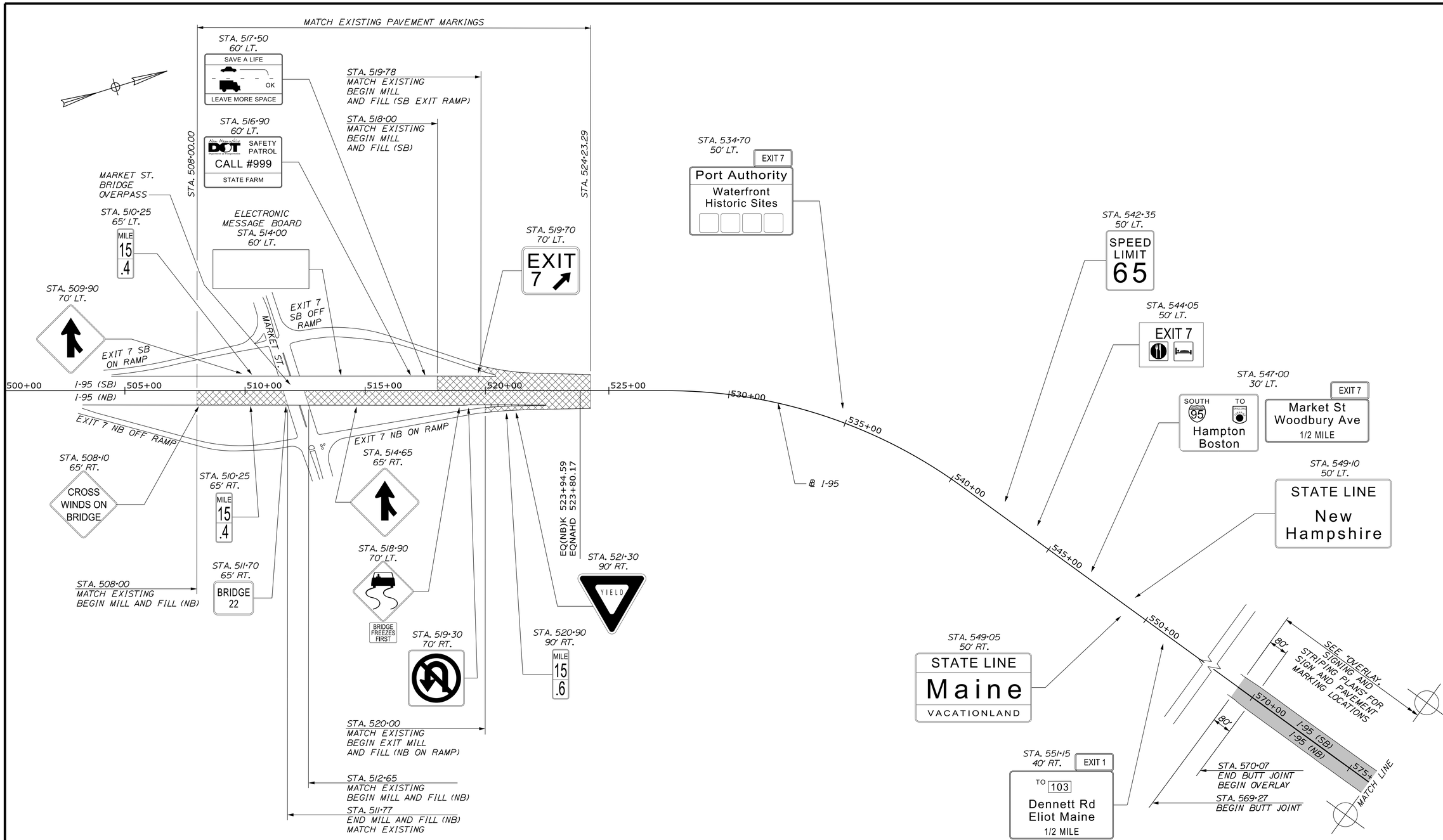
P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

HIGHWAY APPROACH PLAN - SHEET 8 OF 8

SHEET NUMBER
19
OF 230



AREA OF MILL AND FILL

AREA OF OVERLAY

NOTES:

1. FINAL PAVEMENT MARKINGS ARE TO BE PLACED IN AREAS OF NEW PAVEMENT ONLY.
2. NO WORK IS TO BE DONE ON EXISTING MARKET STREET BRIDGE OVERPASS. ALL APPROACH WORK TO MATCH EXISTING CONDITIONS AT THE BRIDGE JOINTS.
3. STATION CALLOUTS SHOWN ARE APPROXIMATE.
4. SEE SIGNING & STRIPING PLANS FOR INFORMATION NOT SHOWN.
5. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TSK	DB	10/18
CHECKED-REVIEWED	MD	TSK	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

OVERLAY, SIGNING & STRIPING
GENERAL PLAN - 1

SHEET NUMBER

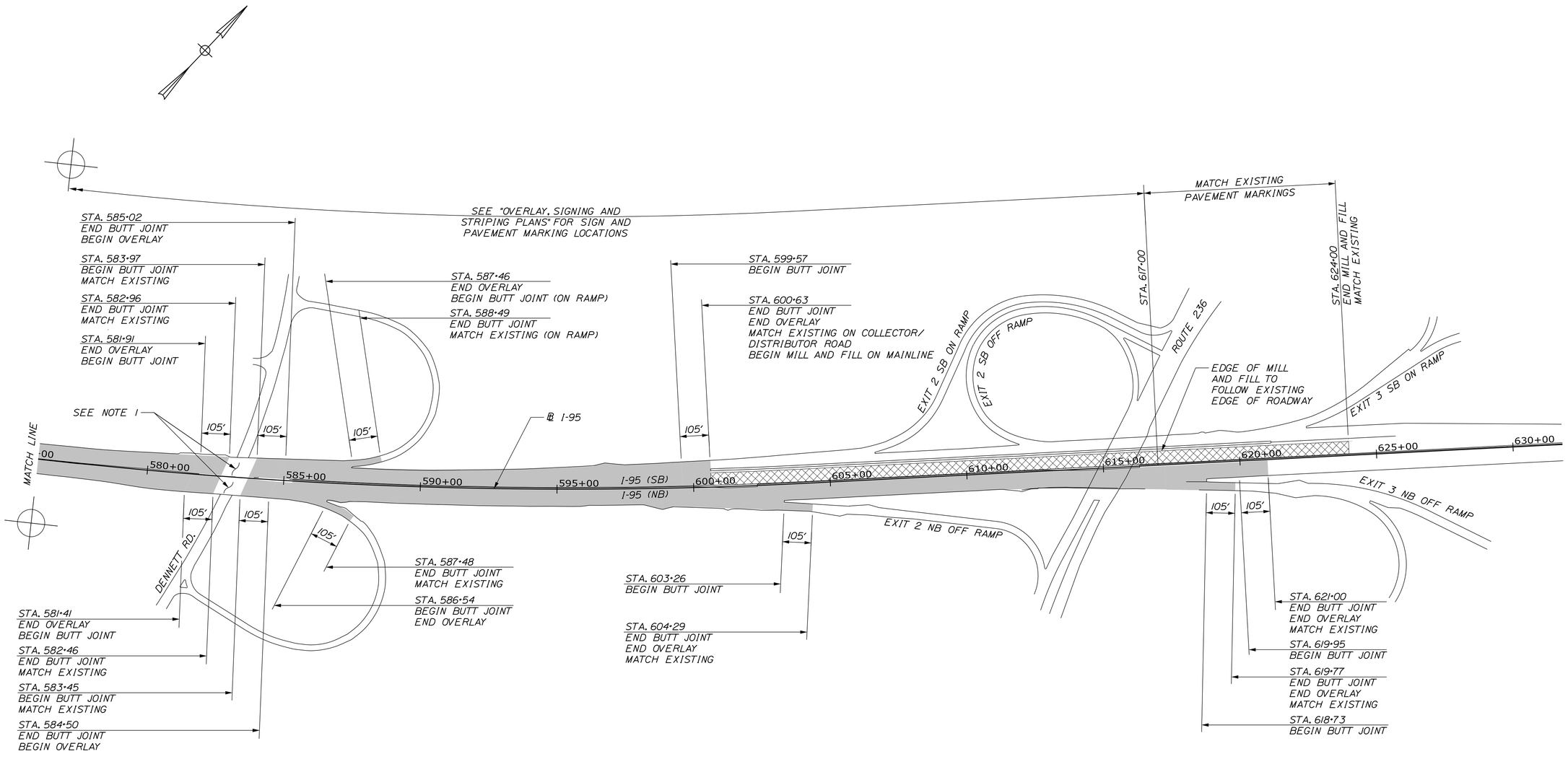
20

OF 230

TYLIN INTERNATIONAL

Date:11/7/2018 Username: Division: HIGHWAY

Filename: ...\MSTA\xxx_OS&S GeneralPlan.dgn



AREA OF MILL AND FILL

AREA OF OVERLAY

NOTES:
1. NO WORK IS TO BE DONE ON EXISTING DENNETT ROAD BRIDGE OVERPASS. ALL APPROACH WORK TO MATCH EXISTING CONDITIONS AT THE BRIDGE JOINTS.
2. STATION CALLOUTS SHOWN ARE APPROXIMATE.
3. SEE SIGNING & STRIPING PLANS FOR INFORMATION NOT SHOWN.
4. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18
CHECKED-REVIEWED	MD	10/18
DESIGN2-DETAILED2	TSK	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

OVERLAY, SIGNING & STRIPING GENERAL PLAN - 2

SHEET NUMBER

21

OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\MSTA\xxx_OS&S General Plan.dgn Username: Date:11/7/2018 Division: HIGHWAY

Filename: ...\Highway\MSTA\XXX_SSPlan_01.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 521+55
90' LT.

WELCOME BIENVENUE
TO
New Hampshire
"Live Free or Die"

STA. 522+90
80' LT.

EMERGENCY
STOPPING
ONLY

STA. 523+65
ON SIGN BRIDGE, LT.

SOUTH TO
95
Hampton
Boston

EXIT 7
Market St
Woodbury Ave

WELCOME NH LIVE FREE OR DIE

18" RCP

EMERGENCY STOPPING ONLY

MARKET STREET

00.0

55.7

7.2'

12.0'

16.6

SWEL

DWLL

BWLL

BWLL

SYEL

MATCH EXISTING

PAVEMENT MARKINGS

I-95 SOUTHBOUND

57.2

12.0'

12.0'

12.0'

11.7'

12.0'

82.5

05.0

VAR. VAR. VAR. VAR.

522+00

523+00

524+00

525+00

526+00

527+00

528+00

℄ I-95

MATCH EXISTING

MATCH EXISTING

47.4

12" SWEL

12" SWEL

SYEL

BWLL

BWLL

DWLL

SWEL

35.8

00

45.9

I-95 NORTHBOUND

MATCH EXISTING

12.0'

11.3'

12.0'

24.4'

4.0'

16.0'

17.1'

28.0'

4.5'

5.4'

5.4'

CURB

CUL-DE-SAC

BURIED-APPROX. LOCATION

55 MPH

DENNETT ROAD

EQNBK 523+94.59
EQNAHD 523+80.17

PC = STA. 527+43.52

STA. 523+65
ON SIGN BRIDGE, RT.

EXIT 1
TO 103
Dennett Rd
Eliot Maine
1 MILE

STA. 523+80
80' RT.

SPEED
LIMIT
55

NOTES:

1. *SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.*
2. *SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.*

PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

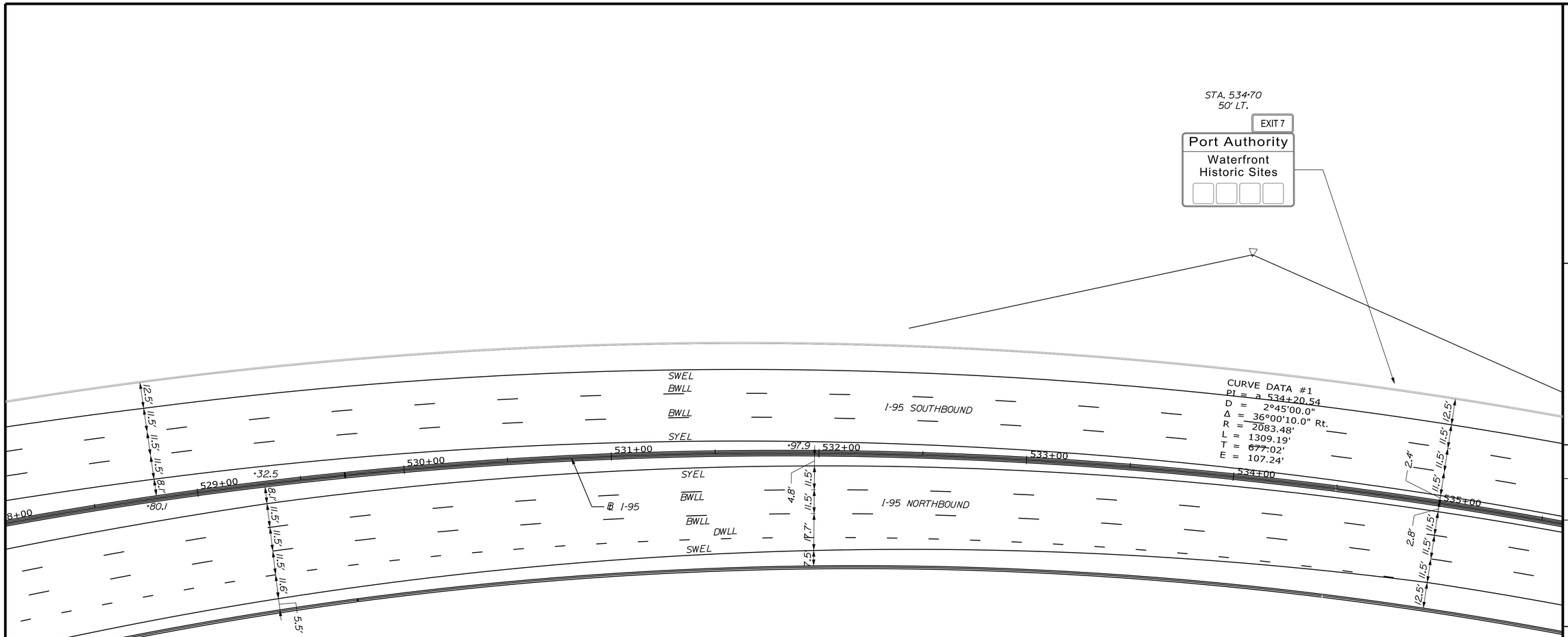
P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
22
OF 230



PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

P.E. NUMBER

DATE

SIGNATURE

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18/18
CHECKED-REVIEWED	HEC	10/18/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

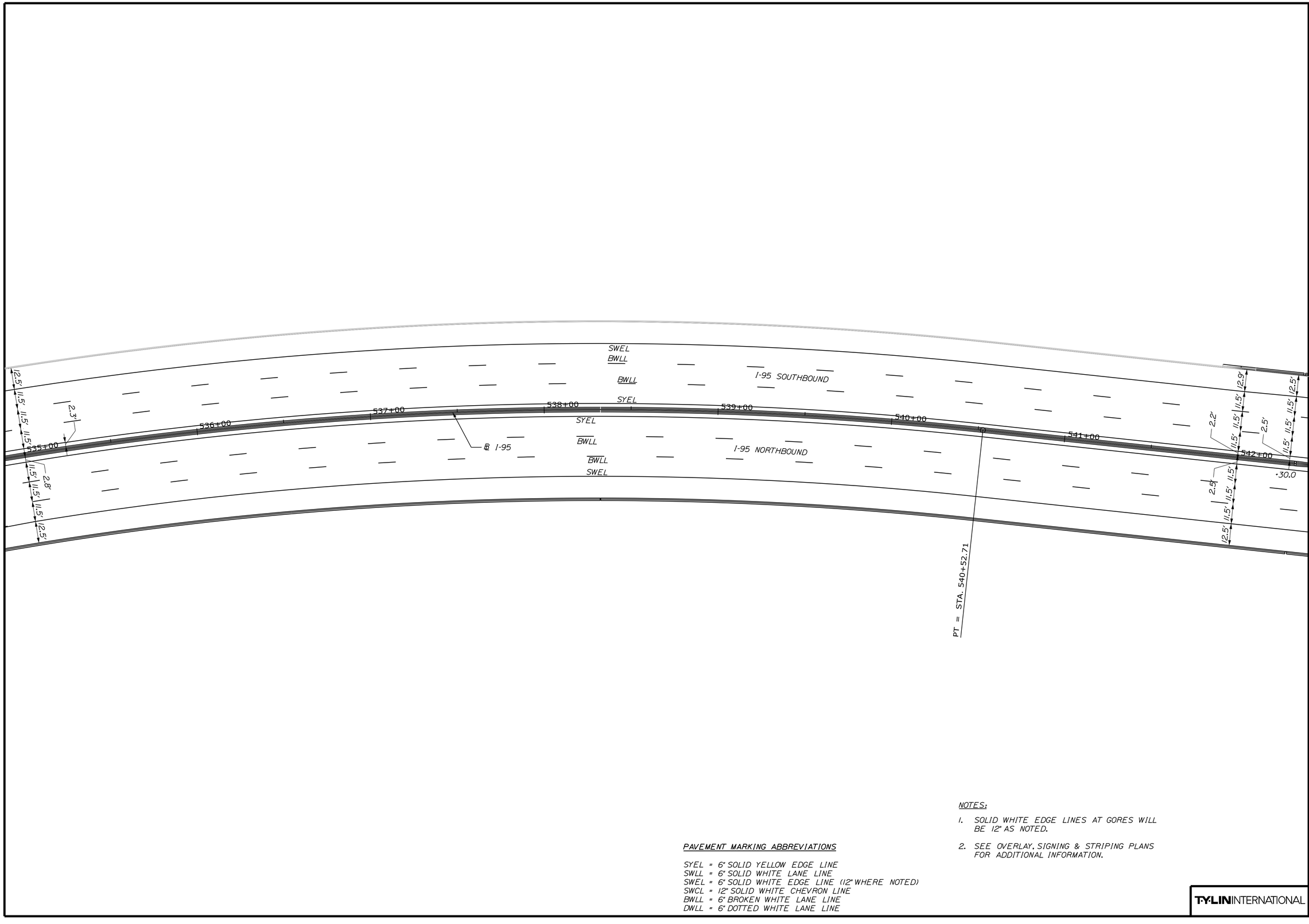
SIGNING & STRIPING PLAN

SHEET NUMBER

23

OF 230

Filename: ...\Highway\MSTA\XXX_SSPlan_02.dgn Division: HIGHWAY Username: Date:11/7/2018



PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED TSK	DB	10/18/18
CHECKED-REVIEWED HEC	TSK	10/18/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

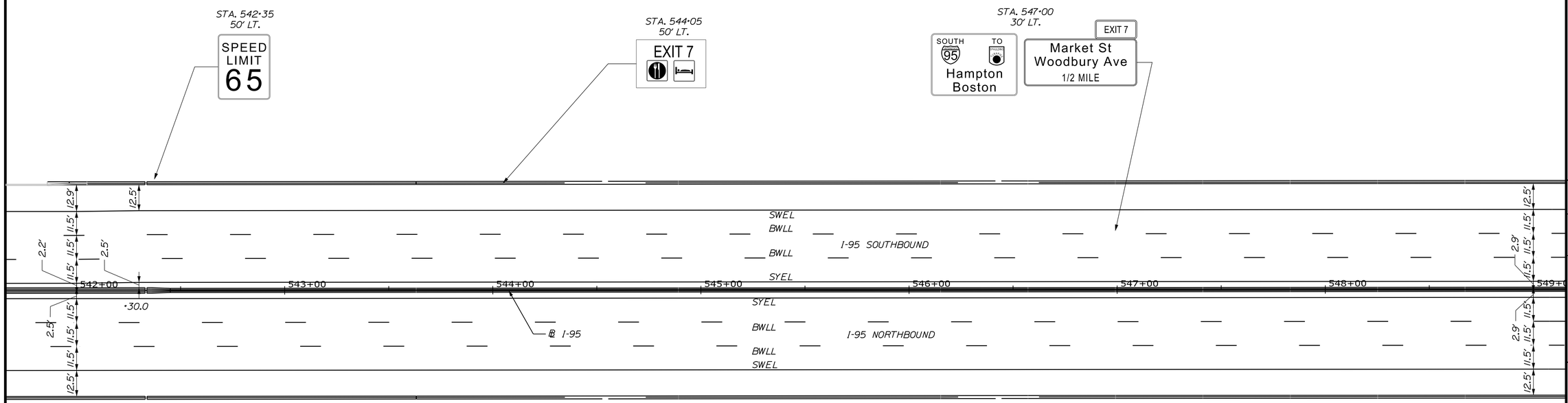
SIGNING & STRIPING PLAN

SHEET NUMBER

24

OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_SSPlan_03.dgn



Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_SSPlan_04.dgn

PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER

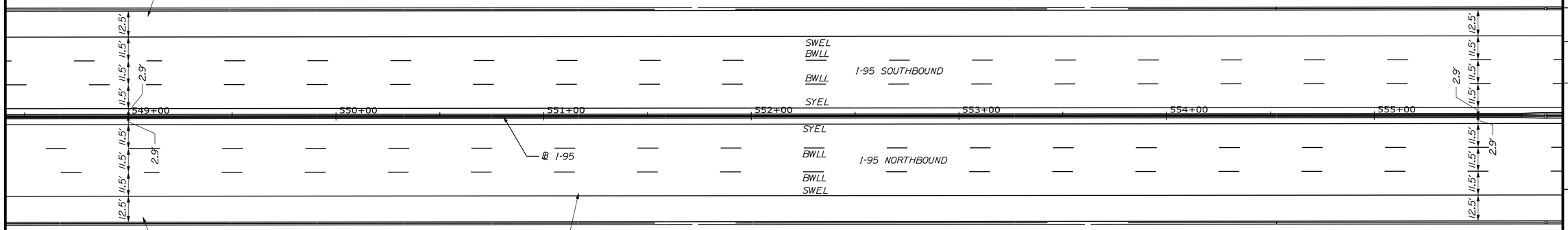
25

OF 230

Filename: ...\Highway\MSTA\XXX_SSPlan_05.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 549+10
50' LT.

STATE LINE
New Hampshire



STA. 549+05
50' RT.

STATE LINE
Maine
VACATIONLAND

STA. 551+15
40' RT.

EXIT 1
TO 103
Dennett Rd
Eliot Maine
1/2 MILE

PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	HEC	10/18/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

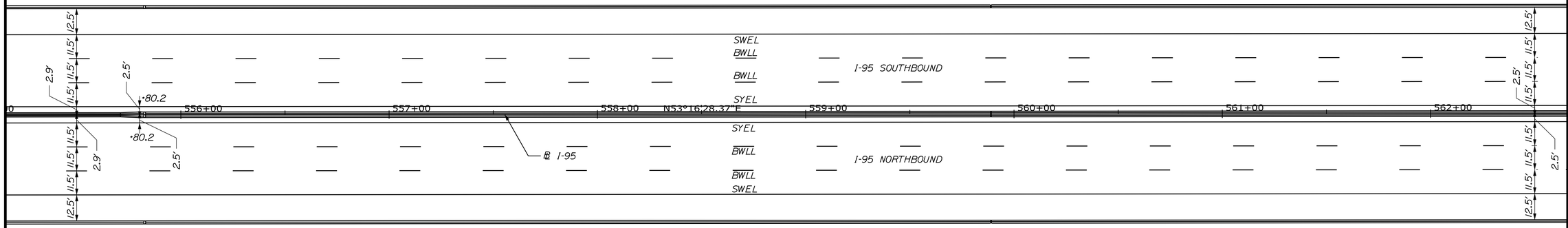
P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
26
OF 230



PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

PROJ. MANAGER: Leanne Timberlake	BY	DATE
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

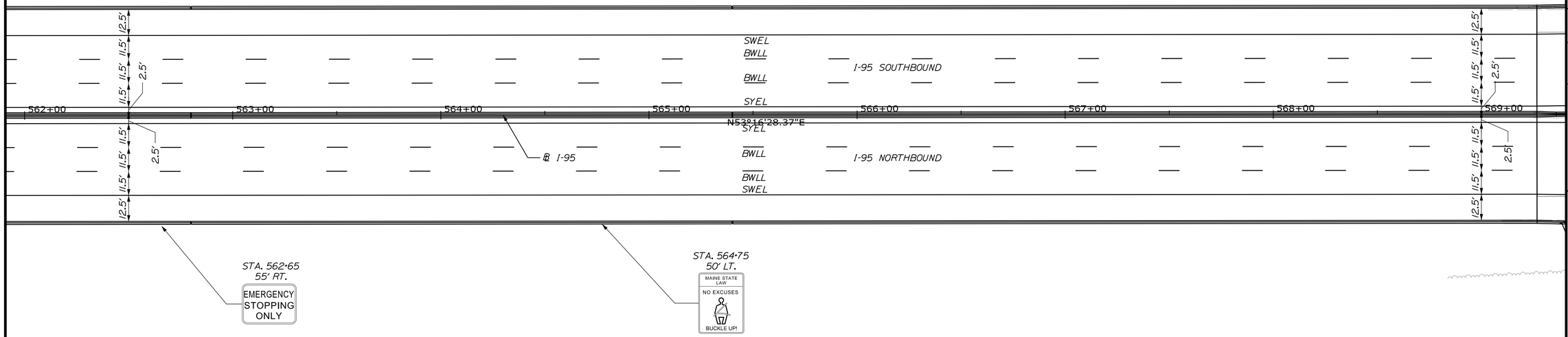
SHEET NUMBER

27

OF 230

Filename: ...\Highway\MSTA\XXX_SSPlan_06.dgn Division: HIGHWAY Username: Date:11/7/2018

Filename: ...\Highway\MSTA\XXX_SSPlan_07.dgn Division: HIGHWAY Username: Date:11/7/2018



PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

NOTES:

1. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
2. SEE OVERLAY, SIGNING & STRIPING PLANS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER

28

OF 230

Filename: ...\Highway\MSTA\XXX_SSPlan_08.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 572+75
65' LT.
Portsmouth NH
NEXT 3 EXITS
Downtown
EXIT 7

STA. 570+05
60' LT.
SOUTH
INTERSTATE
95

PC = STA. 575+44.05

I-95 SOUTHBOUND

I-95 NORTHBOUND

CROWN LINE

@ I-95

N53°16'28.37"E

569+00 570+00 571+00 572+00 573+00 574+00 575+00

SWEL
BWLL
BWLL
SYEL
SYEL
BWLL
BWLL
SWEL

2.5' 11.5' 11.5' 11.5' 12.5'
VARIES 07.0 11.5' 11.5' 11.5' 13.7'
07.0 11.5' 11.5' 12.0' VARIES
12.5' 11.5' 11.5' 2.5'
13.7' 11.5' 11.5' 12.0' VARIES
14.0' 11.5' 11.5' 12.0' VARIES

STA. 570+10
65' RT.
EXIT 1
TO 103 Eliot
Kittery Foreside
Navy Yard
1/4 MILE
Kittery NEXT 3 EXITS

STA. 571+35
65' RT.
SPEED LIMIT
65

STA. 572+30
60' RT.
NORTH
INTERSTATE
95

STA. 574+35
65' RT.
Kittery Mall Rd
EXIT 3

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE PLACED FROM CROWN LINE OUT. THE CROWN LINE CONTROLS.
2. SOLID WHITE EDGE LINES AT GORES WILL BE 12" AS NOTED.
3. ALL EXISTING SIGNS TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

PAVEMENT MARKING ABBREVIATIONS

SYEL = 6" SOLID YELLOW EDGE LINE
SWLL = 6" SOLID WHITE LANE LINE
SWEL = 6" SOLID WHITE EDGE LINE (12" WHERE NOTED)
SWCL = 12" SOLID WHITE CHEVRON LINE
BWLL = 6" BROKEN WHITE LANE LINE
DWLL = 6" DOTTED WHITE LANE LINE

T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

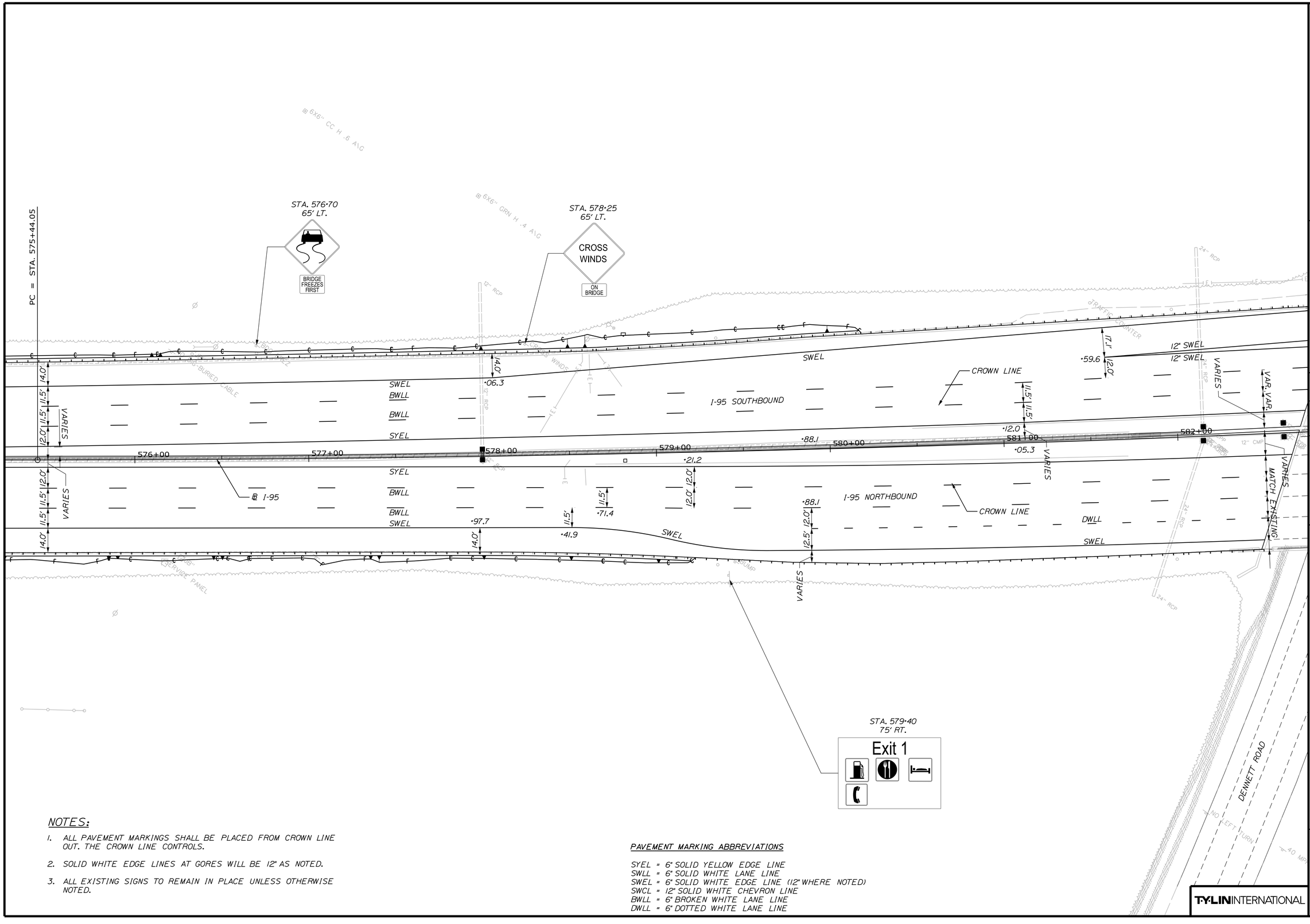
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
29
OF 230

Filename: ...\Highway\MSTA\XXX_SSPlan_09.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE PLACED FROM CROWN LINE OUT. THE CROWN LINE CONTROLS.
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T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

P.E. NUMBER

SIGNATURE

DATE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

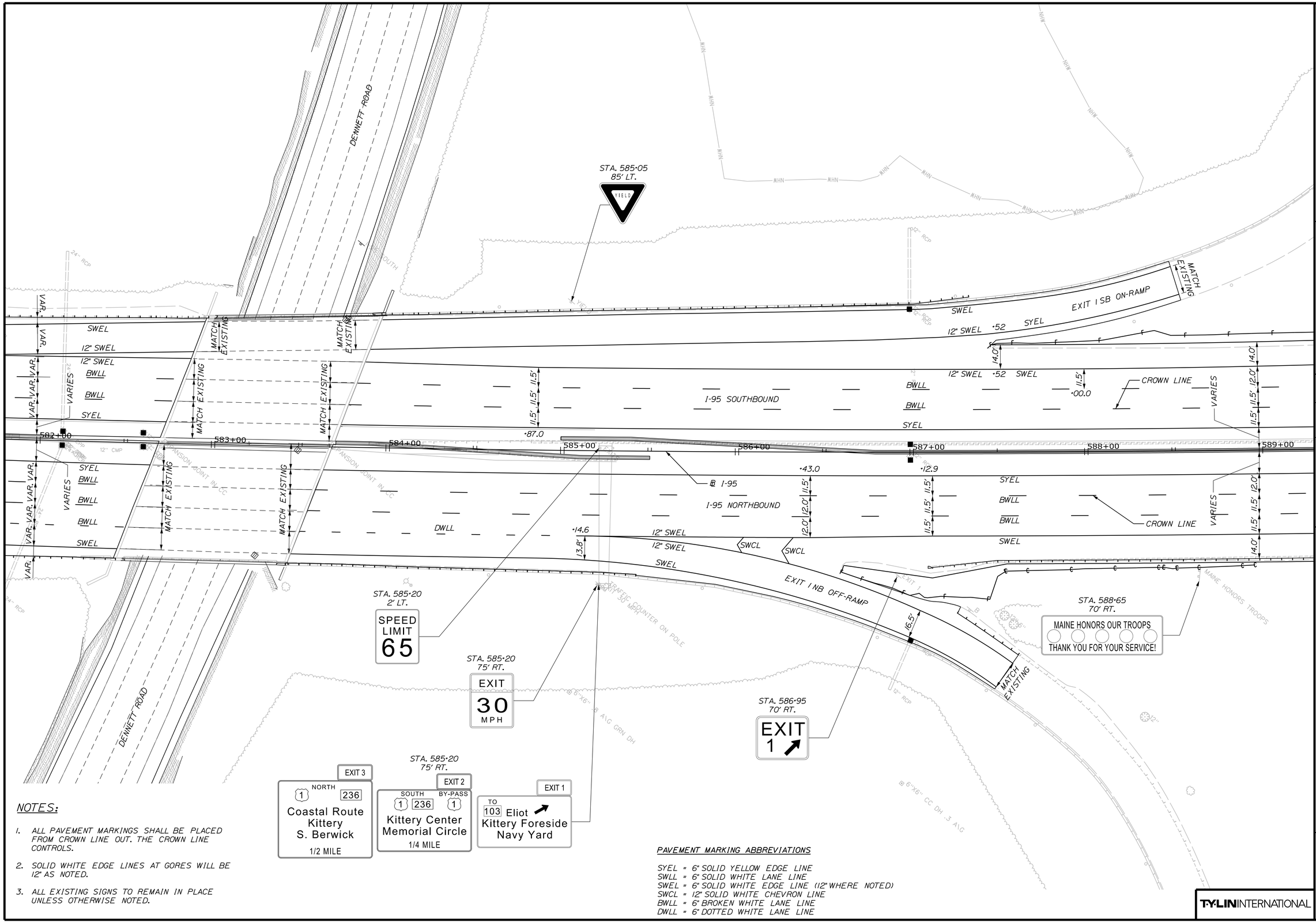
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER

30

OF 230



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE PLACED FROM CROWN LINE OUT. THE CROWN LINE CONTROLS.
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T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18/18
CHECKED-REVIEWED	HEC	10/18/18
DESIGN2-DETAILED2	DB	
DESIGN3-DETAILED3	TSK	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

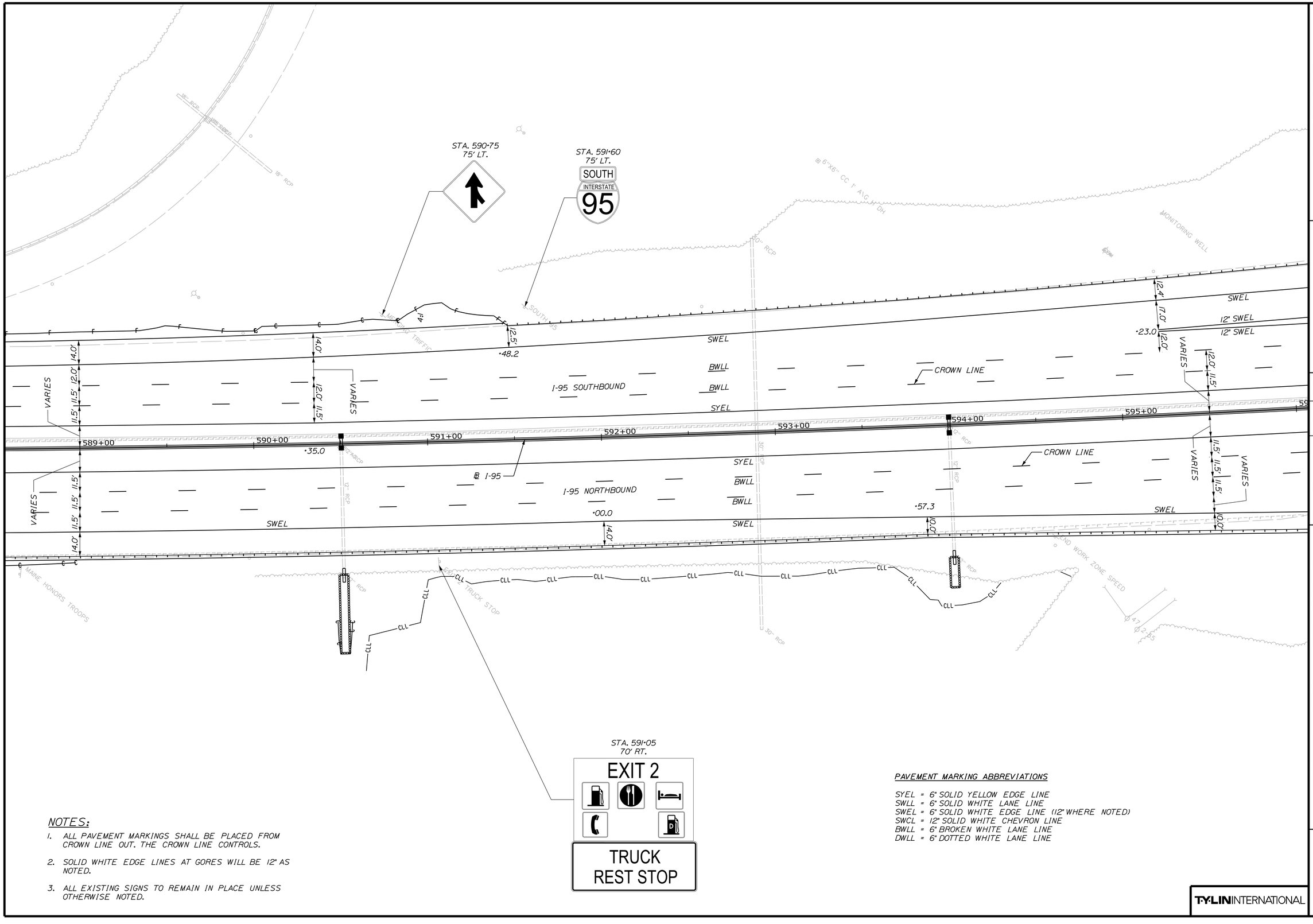
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
31
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_SSPlan_10.dgn



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE PLACED FROM CROWN LINE OUT. THE CROWN LINE CONTROLS.
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED TSK	DB	10/18/18
CHECKED-REVIEWED HEC	TSK	10/18/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
32
OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\Highway\MSTA\XXX_SSPlan_11.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

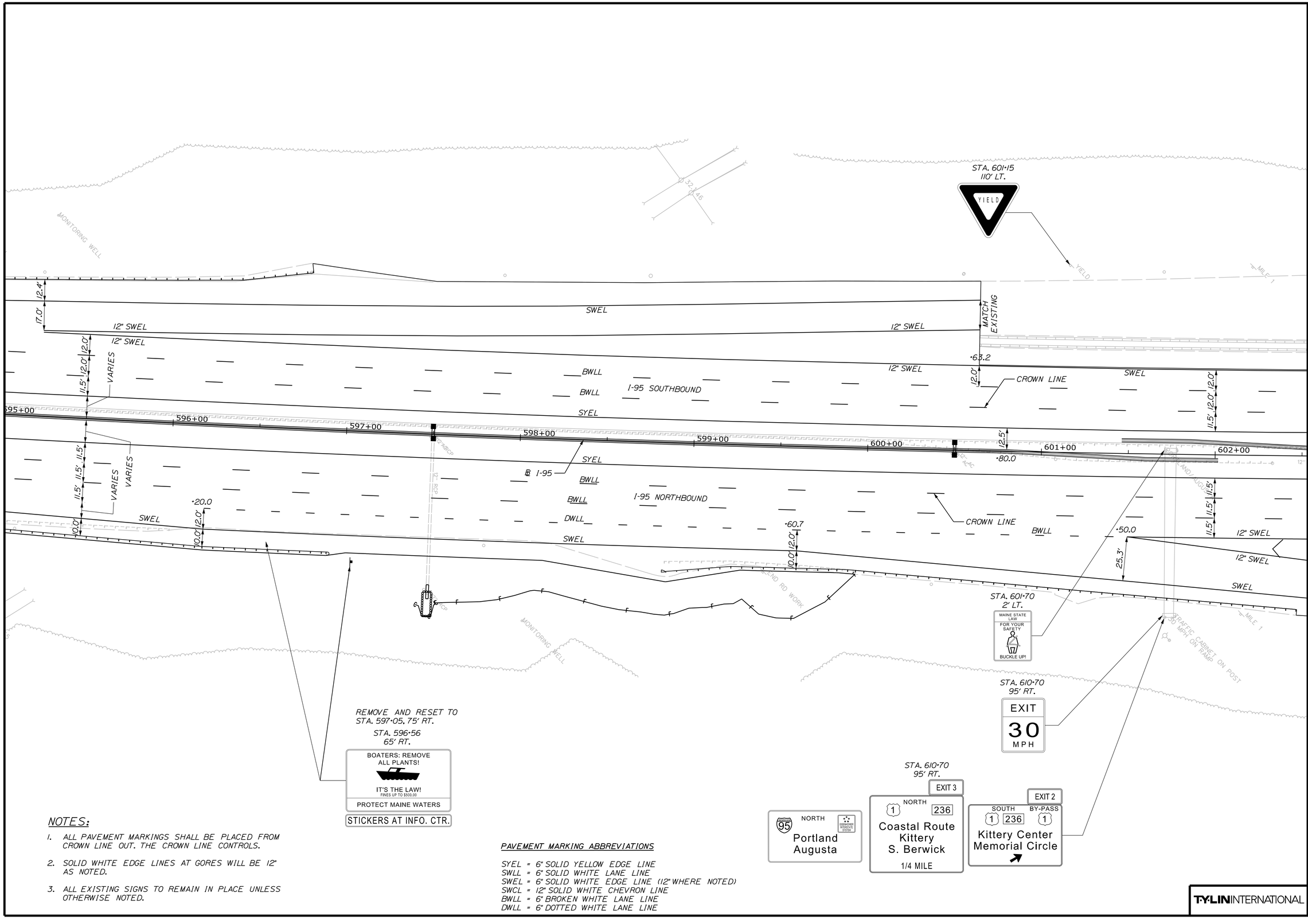
AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

Date:11/7/2018 Username: Division: HIGHWAY

Filename: ...\Highway\MSTA\XXX_SSPlan_12.dgn



NOTES:

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DWLL = 6" DOTTED WHITE LANE LINE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	HEC	10/18/18
DESIGN2-DETAILED2	TSK	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

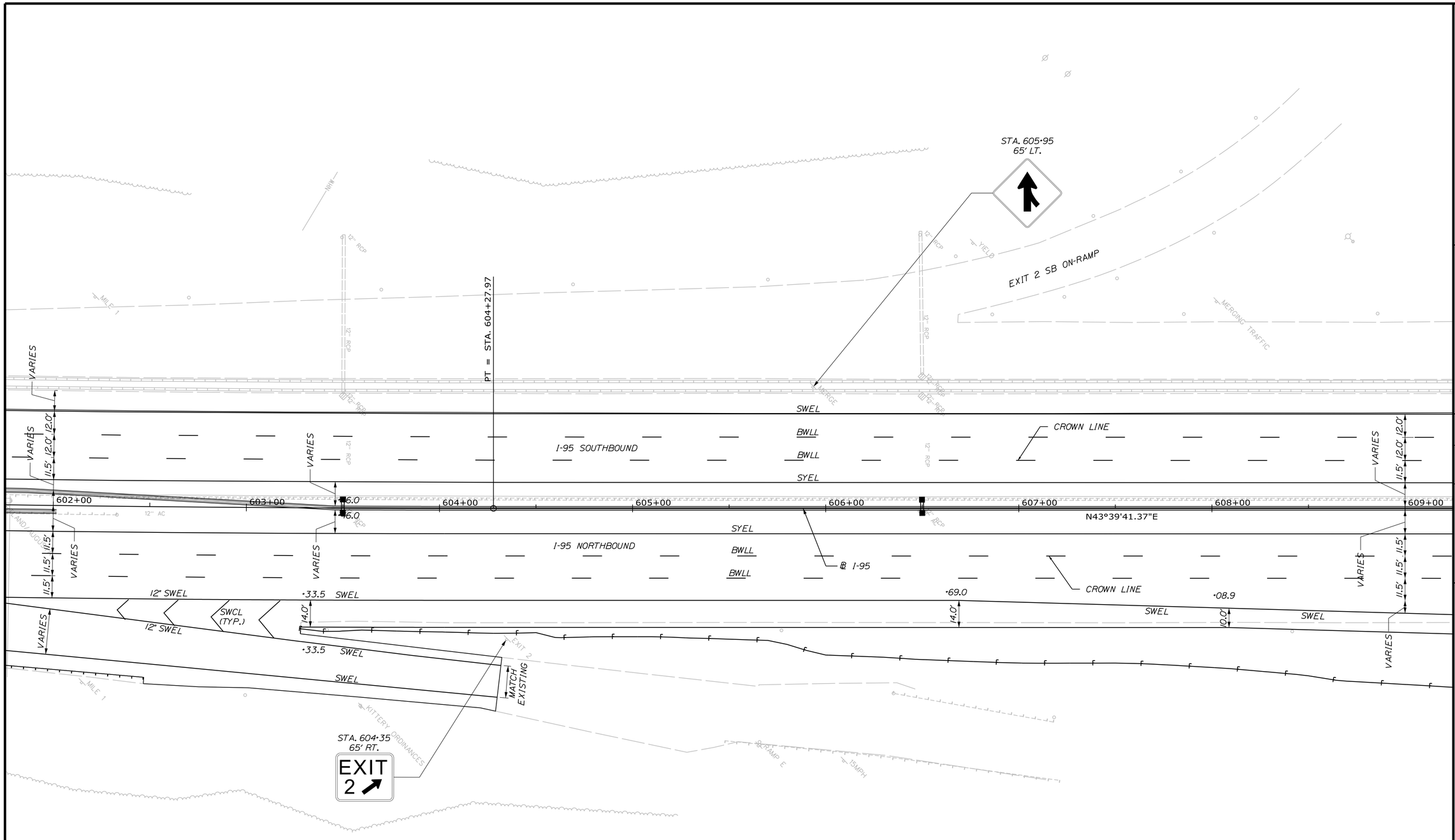
SHEET NUMBER

33

OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\Highway\MSTA\XXX_SSPlan_13.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:

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T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER

34

OF 230

STA. 611+50
110' LT.

EXIT 2

STA. 613+15
115' LT.

SHARP CURVE 15 M.P.H.

SHARP TURN

12" RCP

60" RCP

SWEL
BWLL
BWLL
SYEL

I-95 SOUTHBOUND

CROWN LINE

VARIES
11.5'
12.0'

609+00 610+00 611+00 612+00 613+00 614+00 615+00

N43°39'41.37"E

SYEL
BWLL
BWLL
DWLL
SWEL

I-95 NORTHBOUND

℄ I-95

CROWN LINE

89.0'
12.0'
10.0'
49.0'

WELCOME TO MAINE-OPEN FOR BUSINESS

EXIT 3

MAINE BOAT LAW

DISK D-602

REMOVE AND REINSTALL AT
STA. 613+30, 85' RT.
STA. 613+30
78' RT.

EXIT 3

REMOVE AND REINSTALL ON
NEW MEDIAN BARRIER
STA. 614+15, 1' LT.
STA. 614+15, 1' LT.

MAINE STATE LAW
BOATERS REMOVE ALL PLANTS
STICKERS AT INFO. CTR.

REMOVE AND REINSTALL AT
STA. 613+95, 75' RT.
STA. 613+95
70' RT.

MAINE STATE LAW
BOATERS REMOVE ALL PLANTS
STICKERS AT INFO. CTR.

STA. 609+90
100' RT.

WELCOME TO
MAINE
The Way Life Should Be
OPEN FOR BUSINESS

MOUNTED TO BRIDGE
STA. 614+50
30' RT.

EXIT 3
NORTH
95 NORTH
Portland
Augusta
1 236
Coastal Route
Kittery
S. Berwick

NOTES:

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T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18/18
CHECKED-REVIEWED	HEC	10/18/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
35
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_SSPlan_14.dgn

Filename: ...\Highway\MSTA\XXX_SSPlan_15.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 617+25
115' LT.

EXIT 2

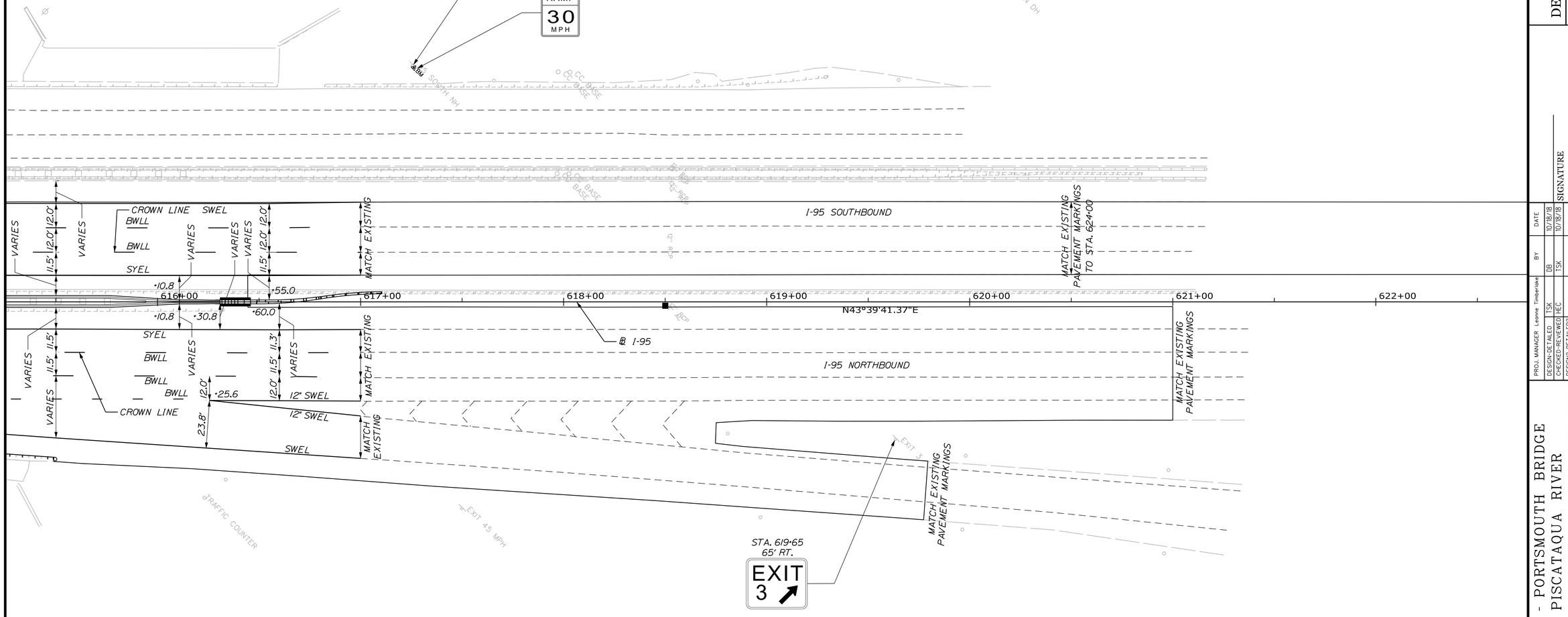
BY-PASS

95 SOUTH
New Hampshire
Massachusetts

1 236 1
South Berwick
Kittery
NEXT RIGHT

STA. 617+25
115' LT.

RAMP
30
MPH



NOTES:

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4. SEE OVERLAY, SIGNING & STRIPING GENERAL PLANS FOR INFORMATION NOT SHOWN.

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T.Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	DB	10/18/18
CHECKED-REVIEWED	TSK	10/18/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3	TSK	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

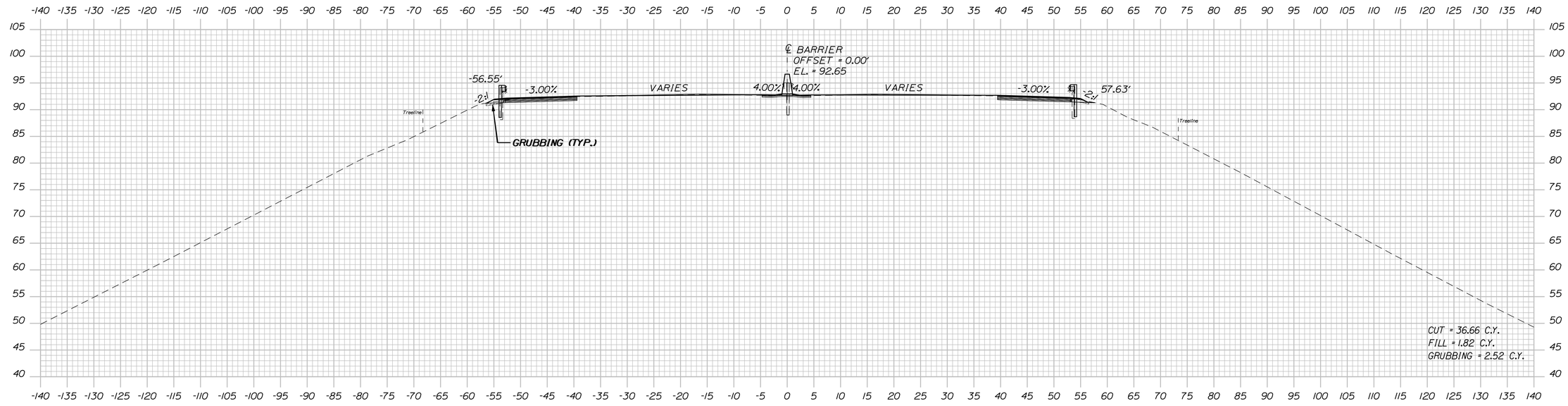
P.E. NUMBER

DATE

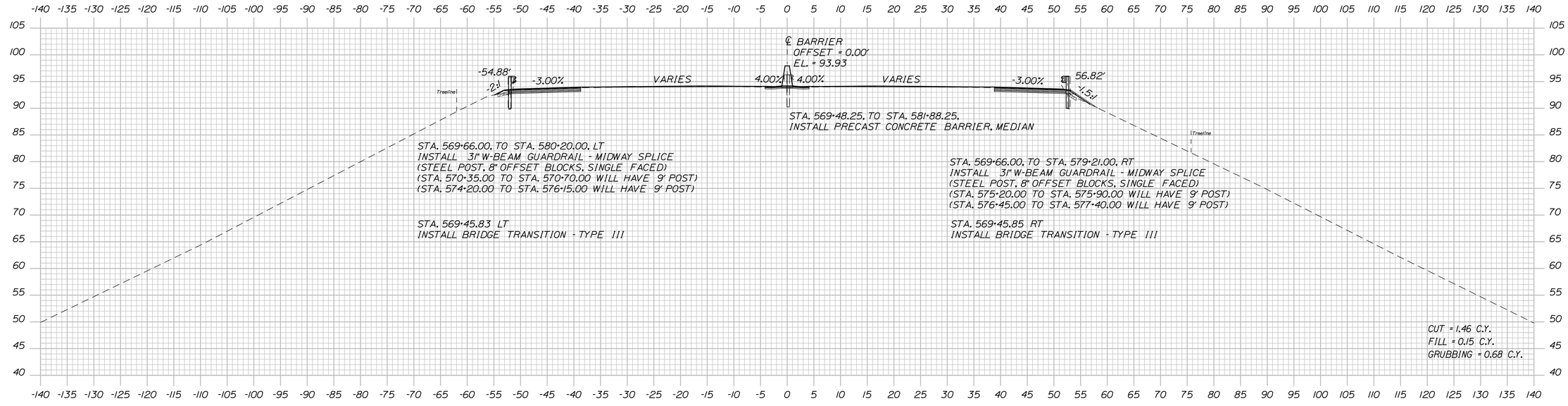
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SIGNING & STRIPING PLAN

SHEET NUMBER
36
OF 230



570+00.00



569+50.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER.
SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE PLANS

BRIDGE NOS. 6330

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

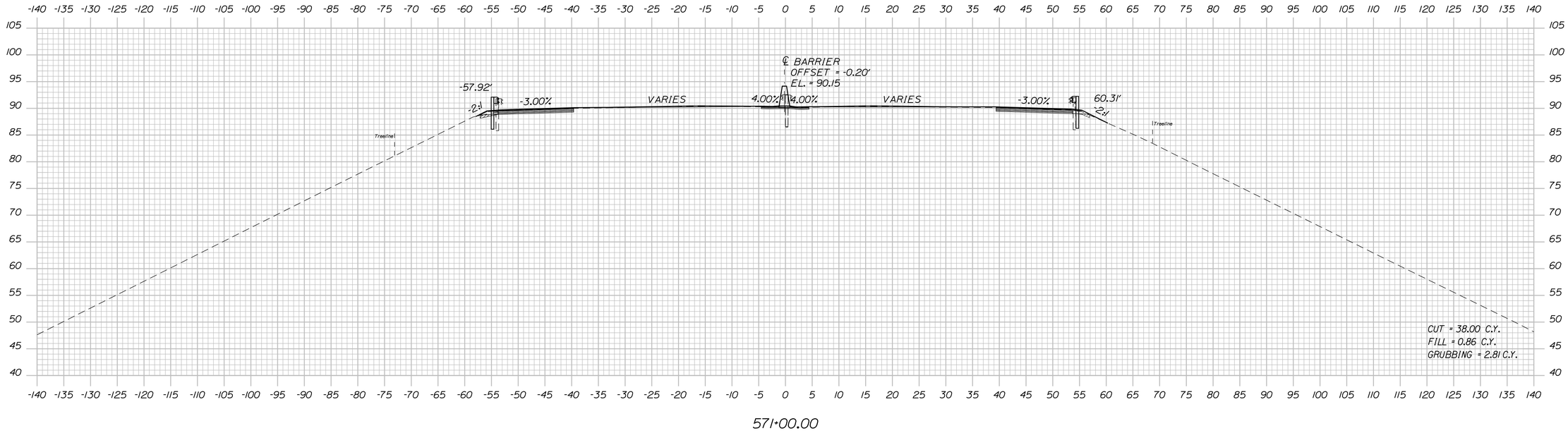
SHEET NUMBER

37

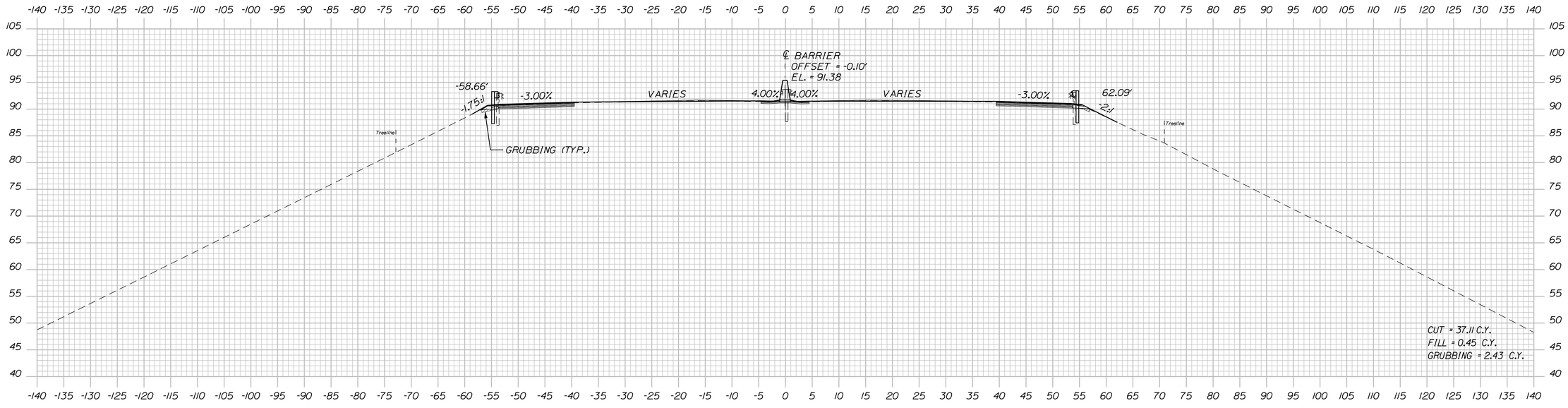
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

STA. 569+50.00 to STA. 570+00.00



571+00.00



570+50.00

NOTE:

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SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

TYLIN INTERNATIONAL

STA. 570+50.00 to STA. 571+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

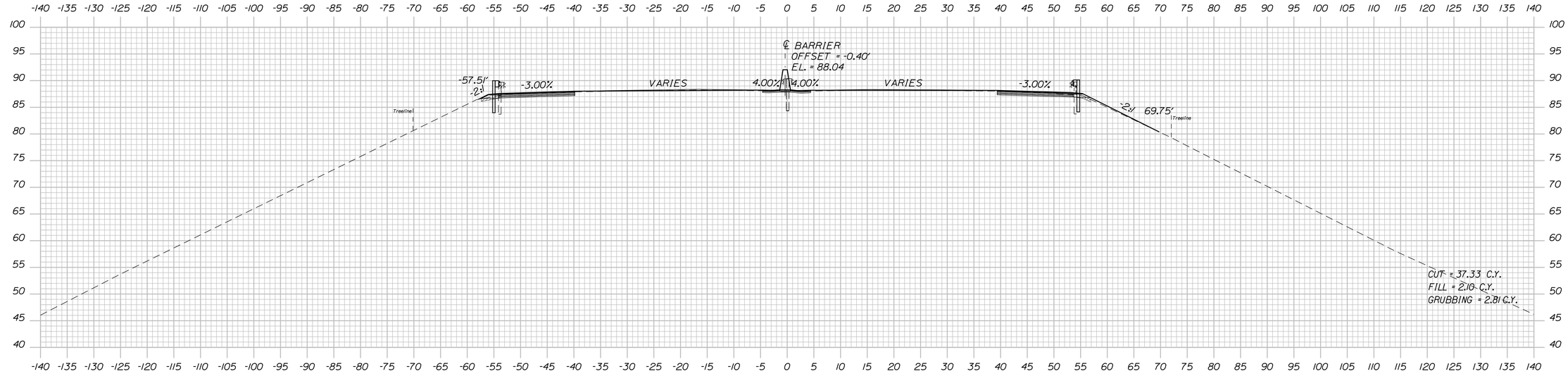
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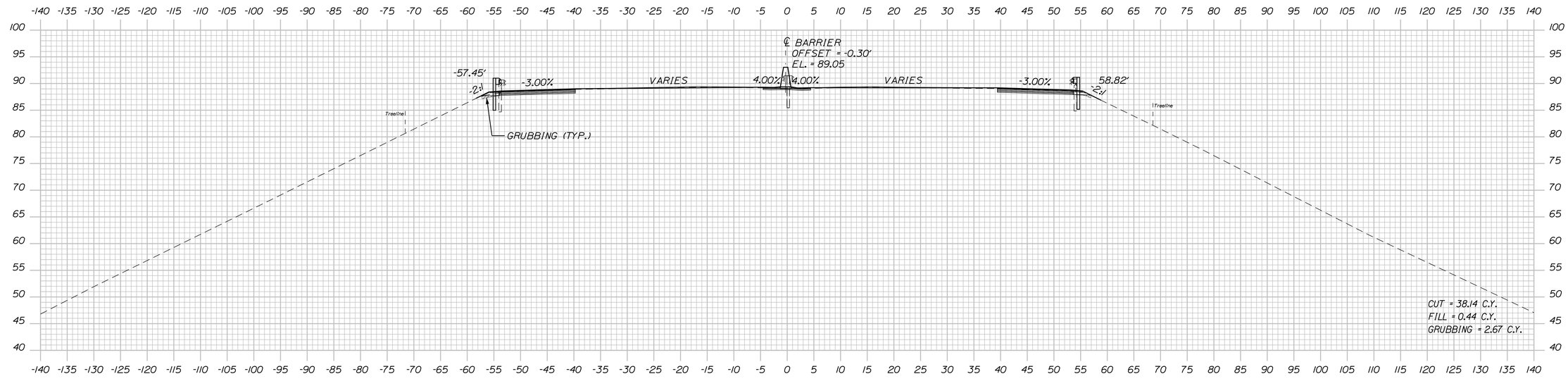
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OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



572+00.00



571+50.00

NOTE:

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T.Y.LIN INTERNATIONAL

STA. 571+50.00 to STA. 572+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

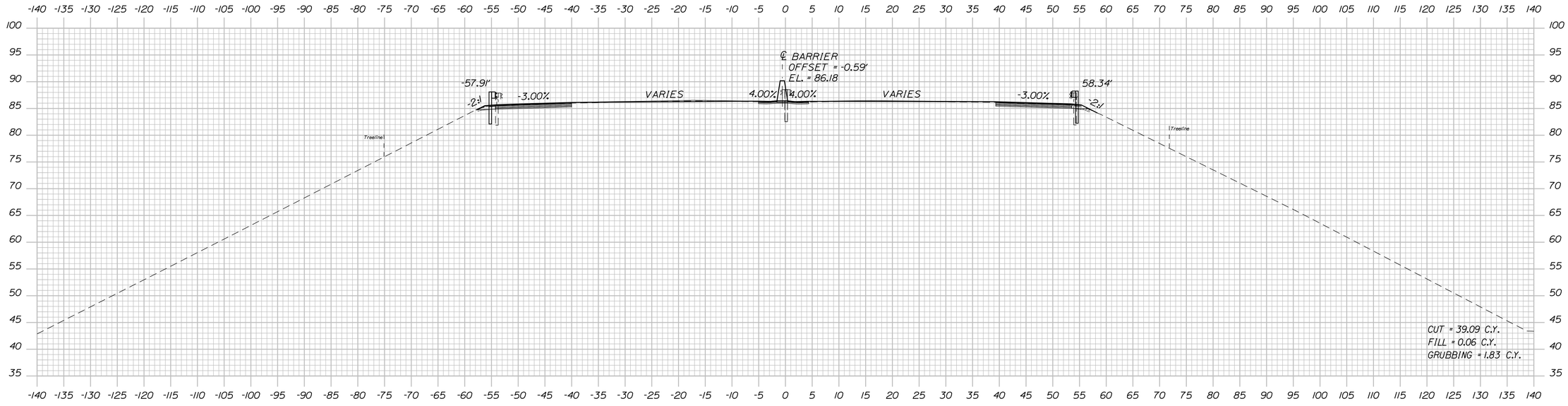
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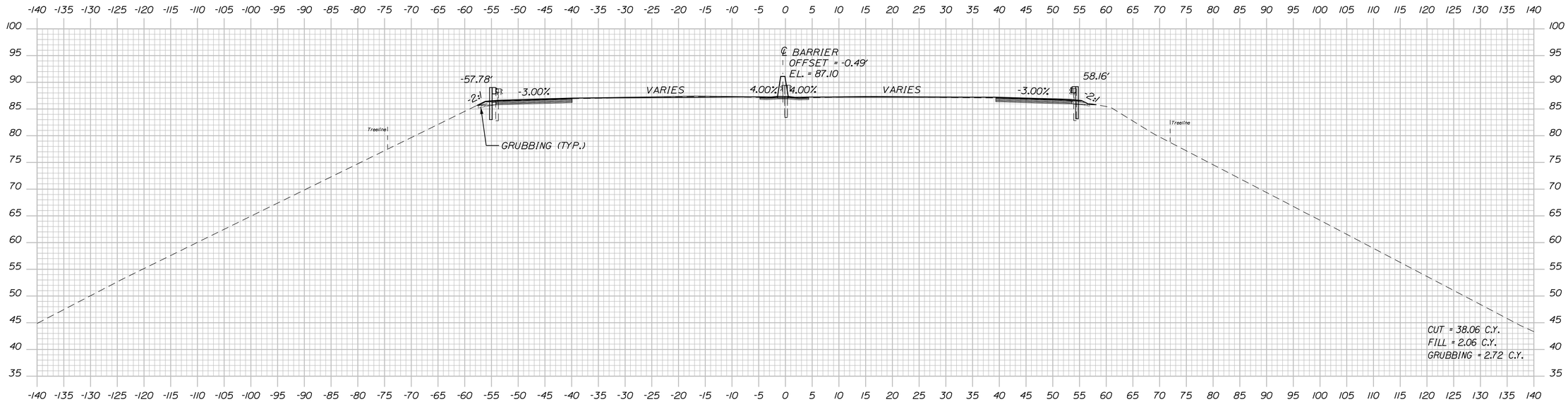
39

OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



573+00.00



572+50.00

NOTE:

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TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

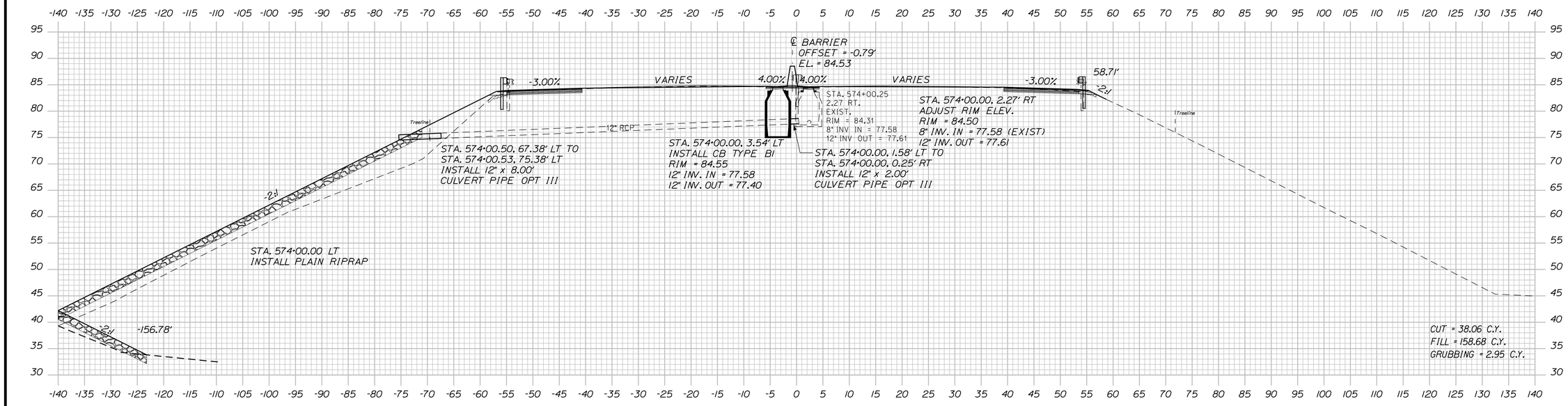
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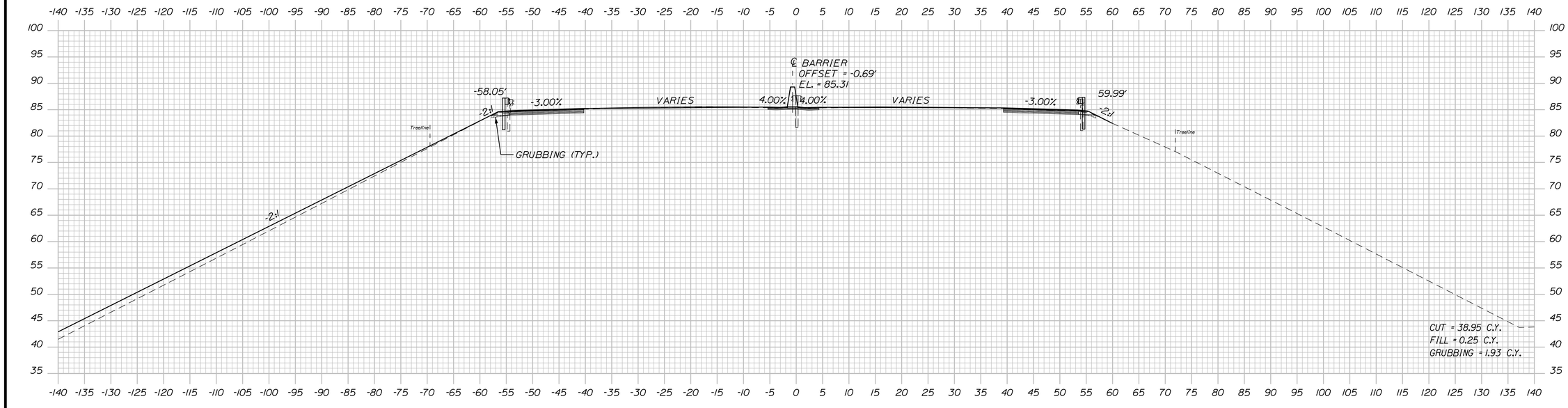
OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 572+50.00 to STA. 573+00.00



574+00.00



573+50.00

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

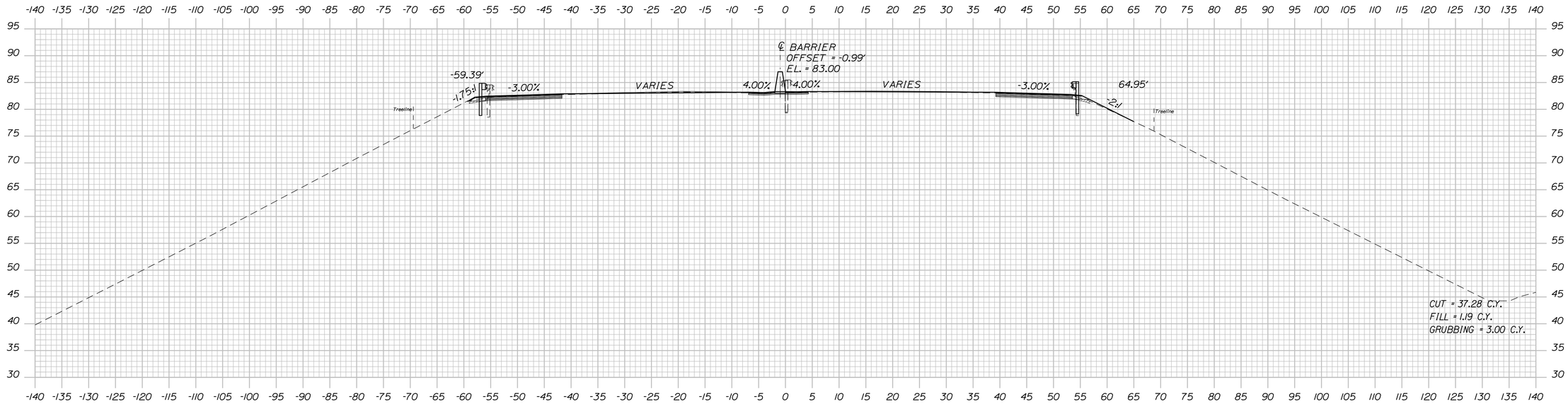
SHEET NUMBER

41

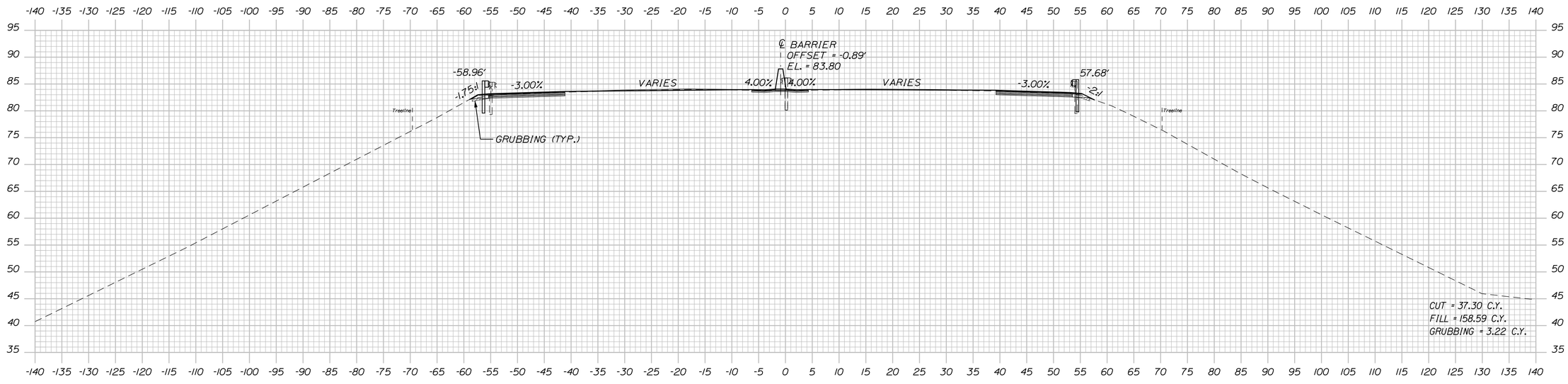
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

STA. 573+50.00 to STA. 574+00.00



575+00.00



574+50.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER.
SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T·Y·LIN INTERNATIONAL

STA. 574+50.00 to STA. 575+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

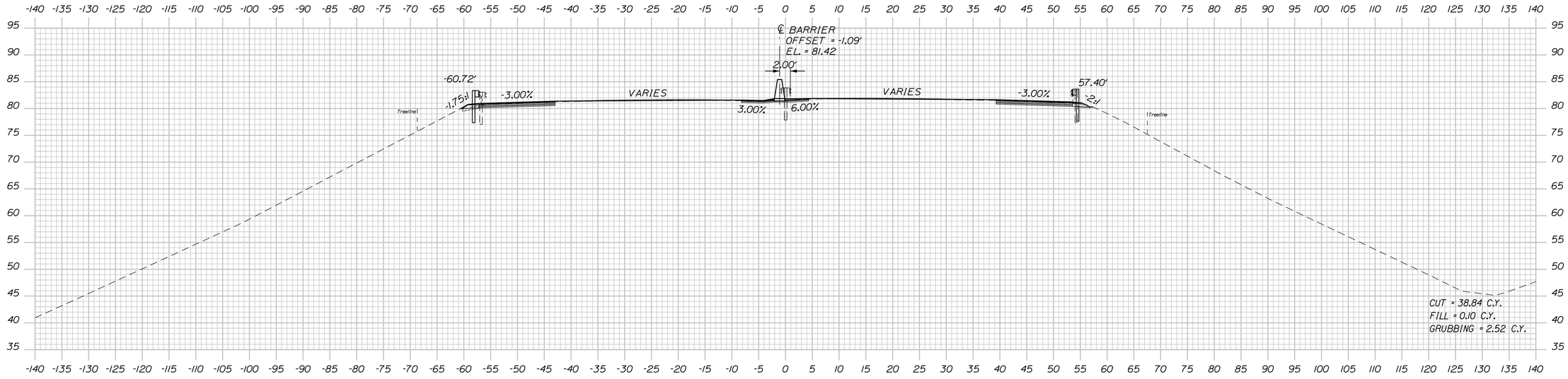
CROSS SECTION

SHEET NUMBER

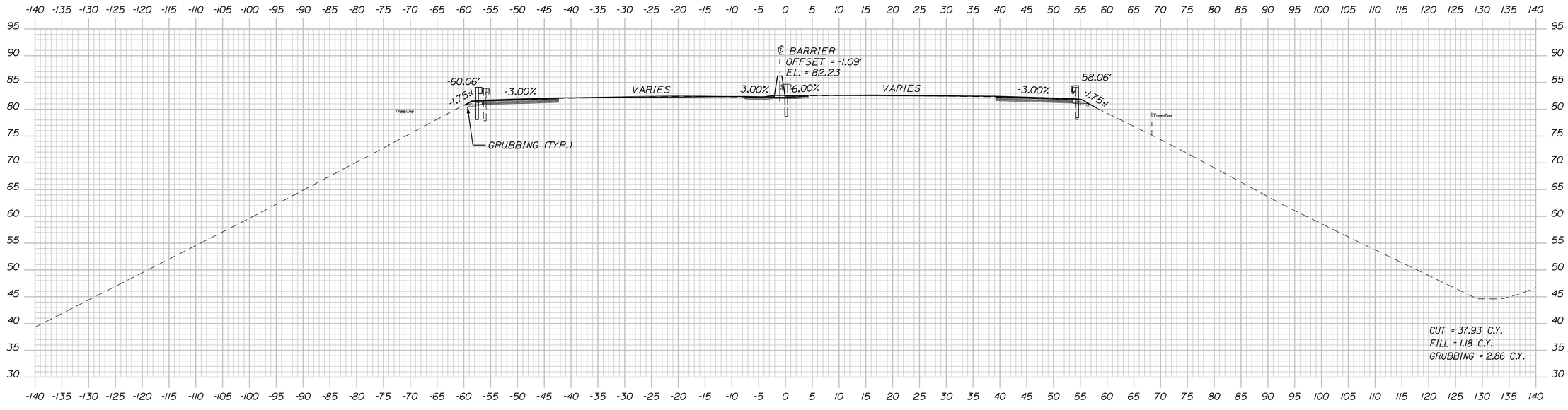
42

OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn



576+00.00



575+50.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER.
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TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

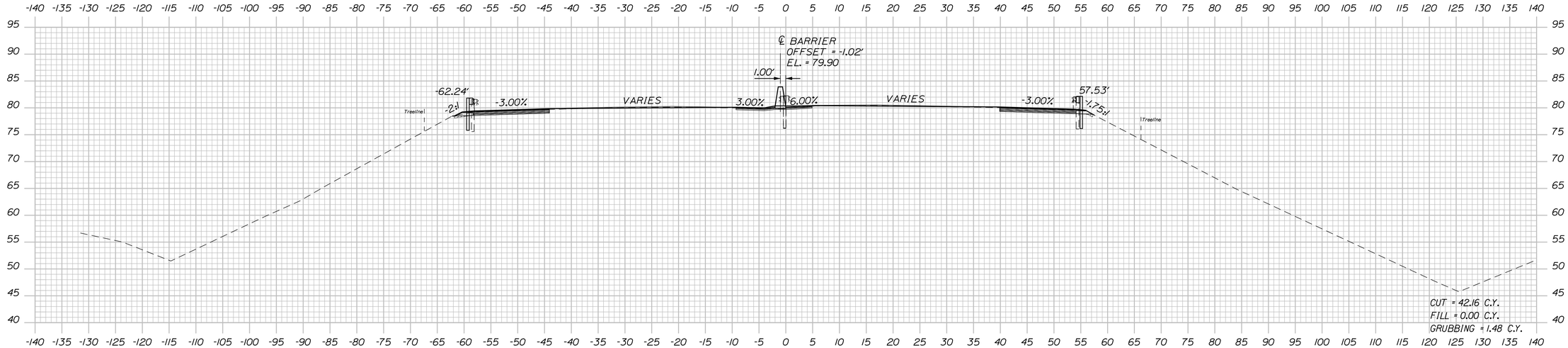
SHEET NUMBER

43

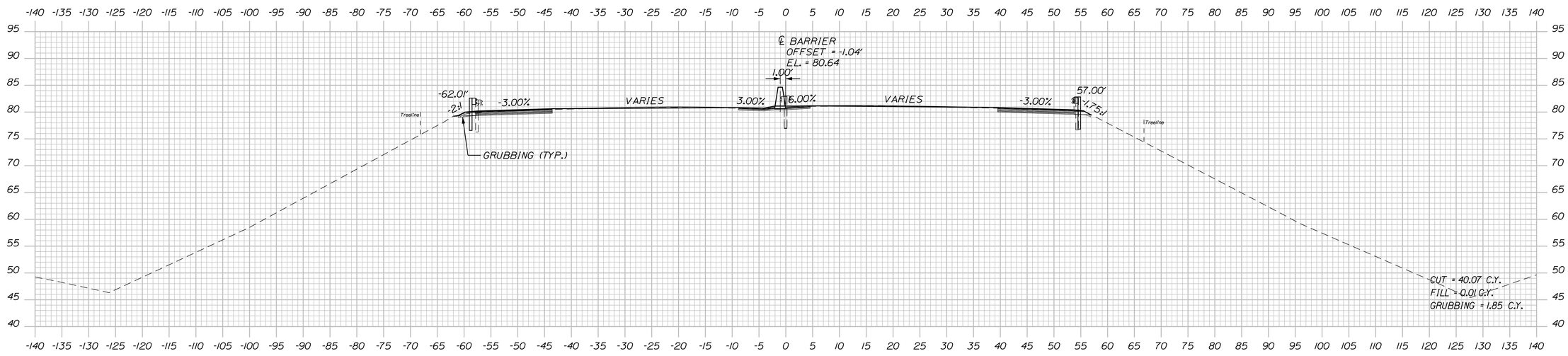
OF 230

STA. 575+50.00 to STA. 576+00.00

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



577+00.00



576+50.00

NOTE:

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T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

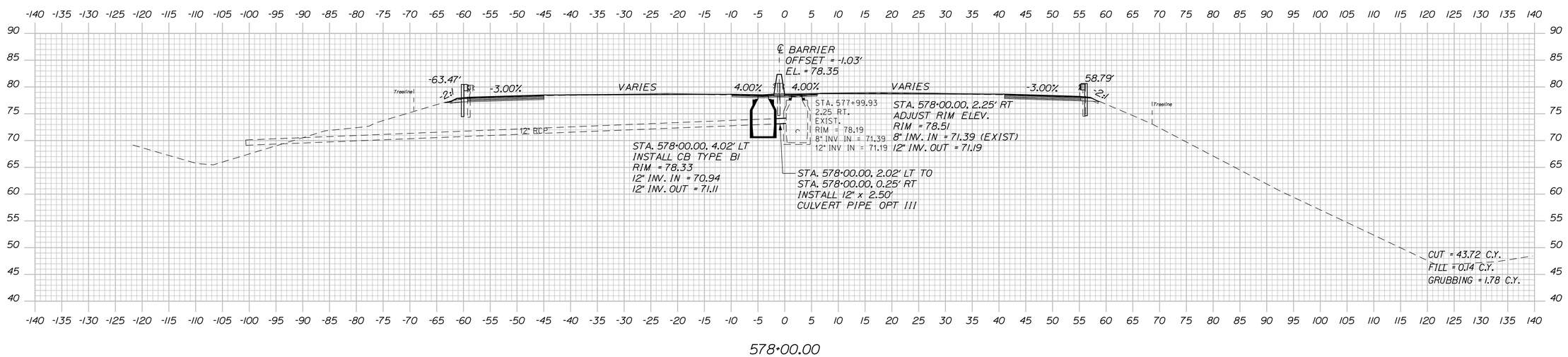
SHEET NUMBER

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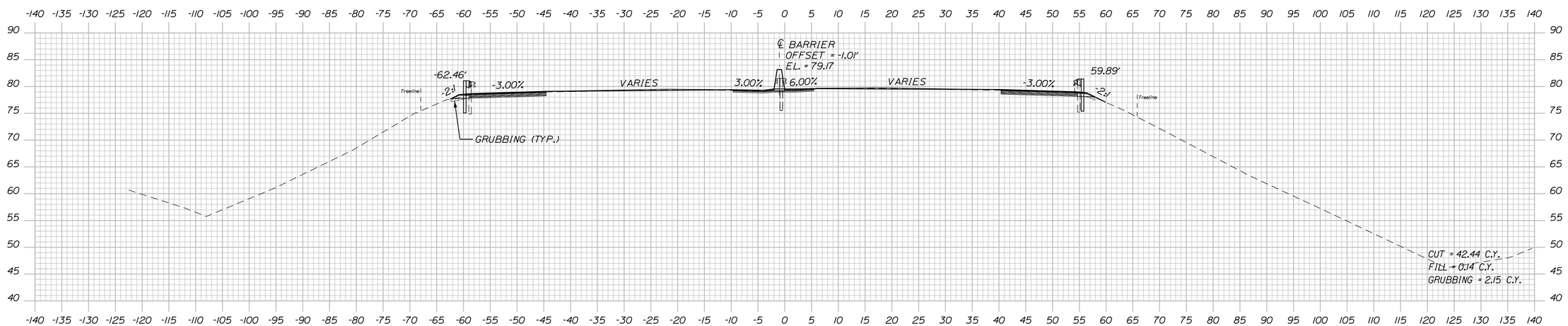
OF 230

STA. 576+50.00 to STA. 577+00.00

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn



578+00.00



577+50.00

NOTE:

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TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

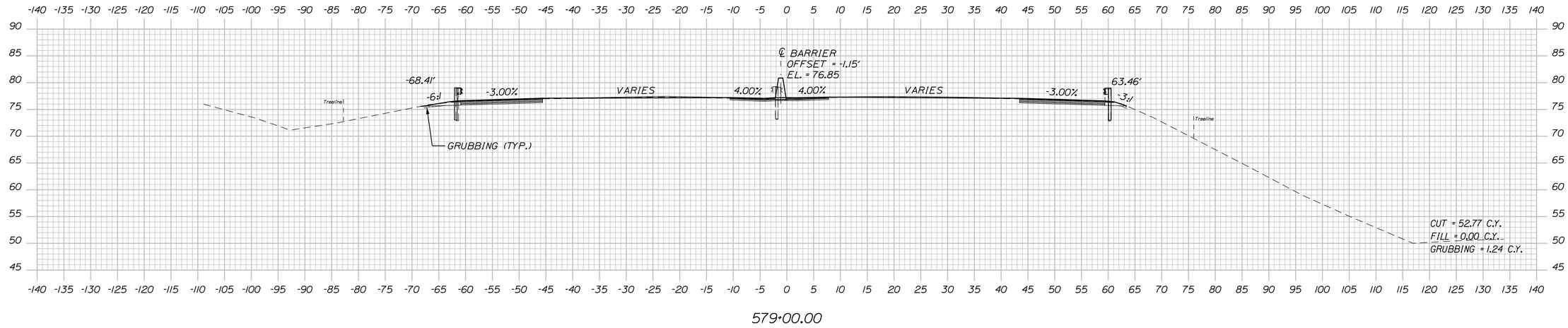
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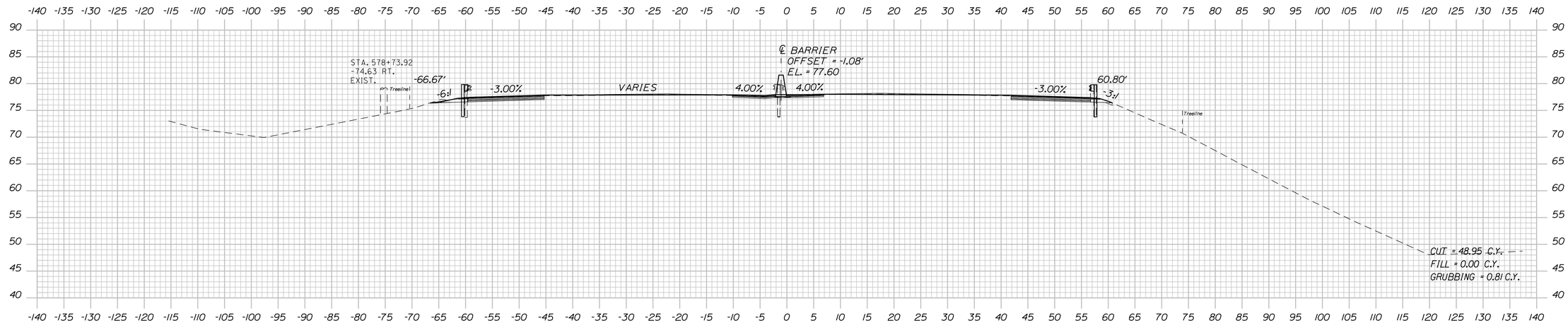
OF 230

STA. 577+50.00 to STA. 578+00.00

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



579+00.00



578+50.00

NOTE:

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T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

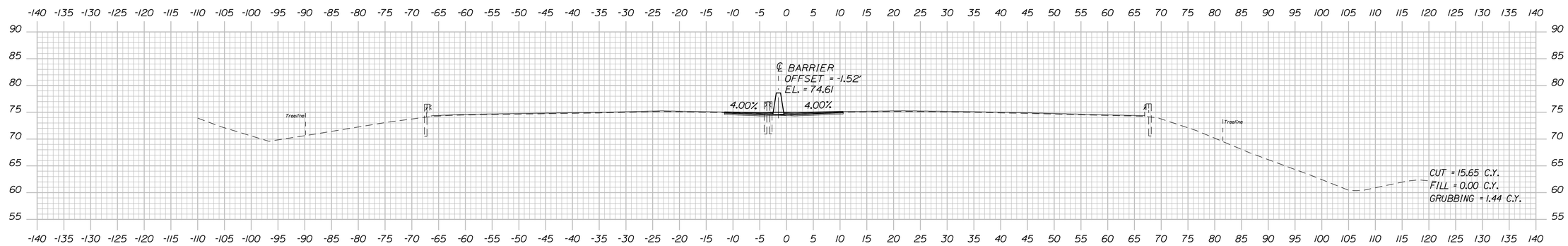
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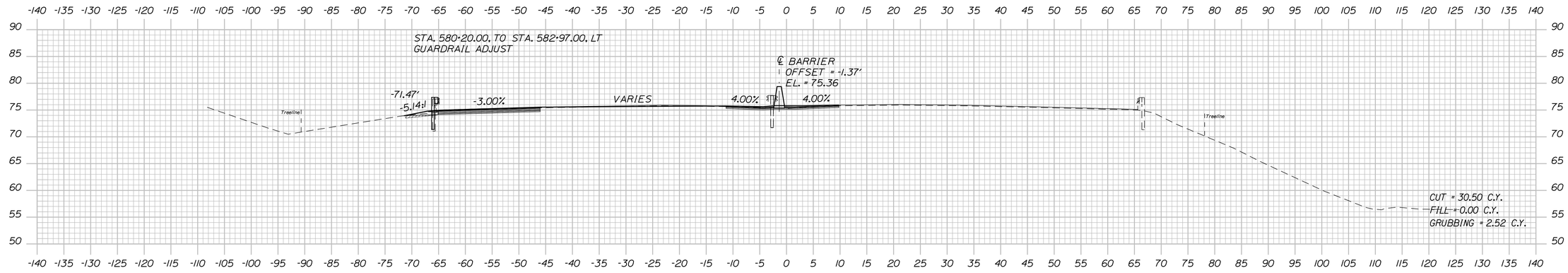
OF 230

STA. 578+50.00 to STA. 579+00.00

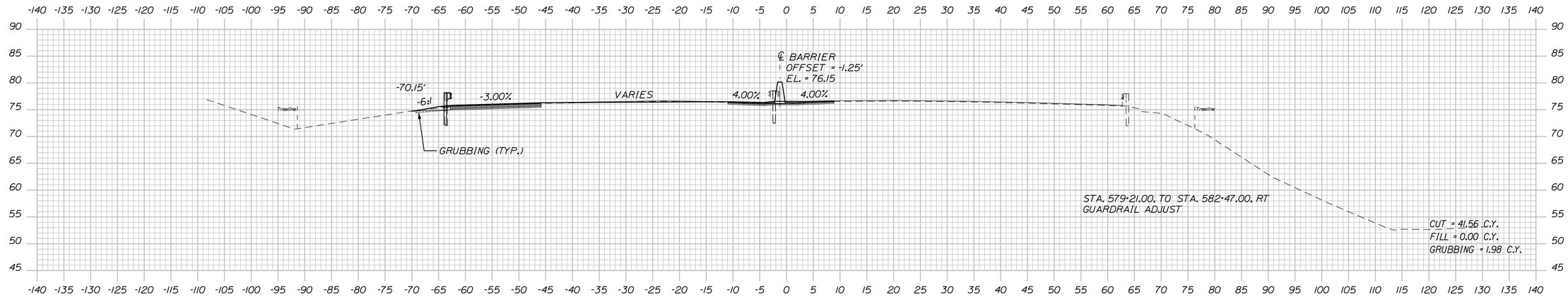
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580+50.00



580+00.00



579+50.00

NOTE:

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SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

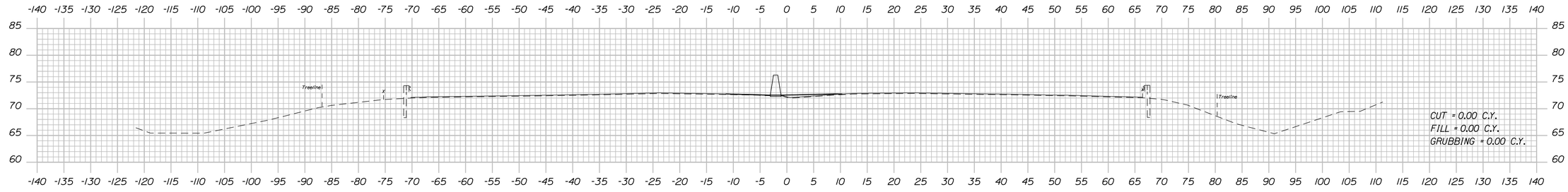
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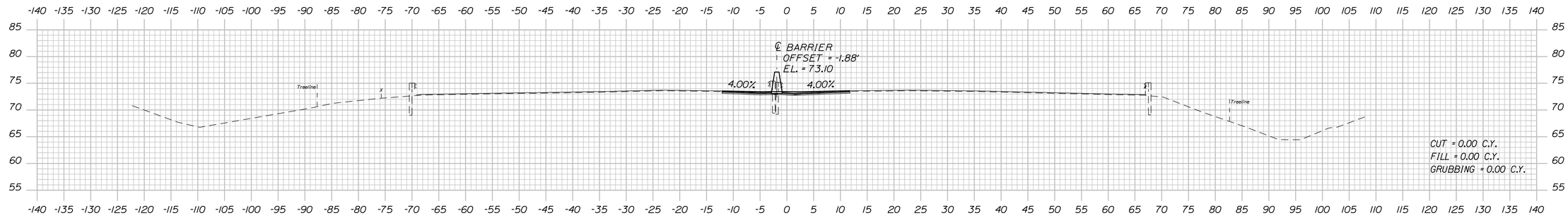
OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn

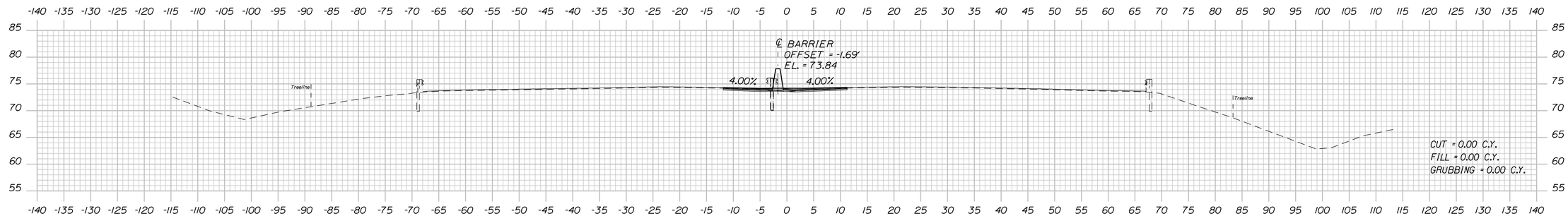
STA. 579+50.00 to STA. 580+50.00



582+00.00



581+50.00



581+00.00

NOTE:

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T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

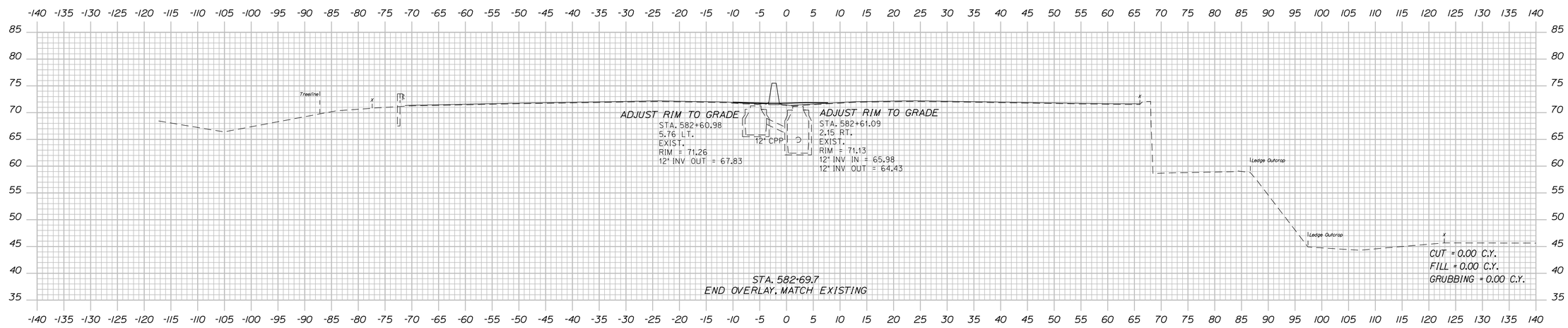
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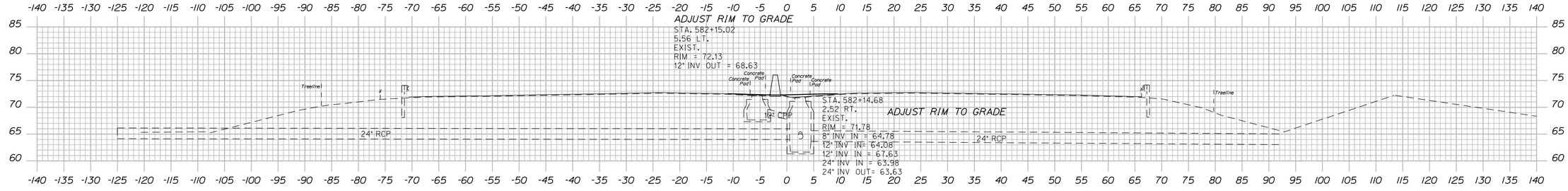
OF 230

STA. 581+00.00 to STA. 582+00.00

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



582+50.00



582+14.50

NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER - Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2	KSD	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

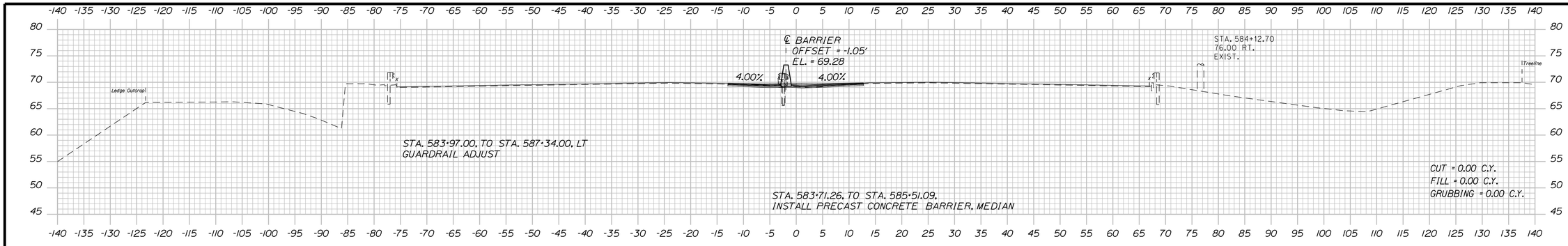
SHEET NUMBER

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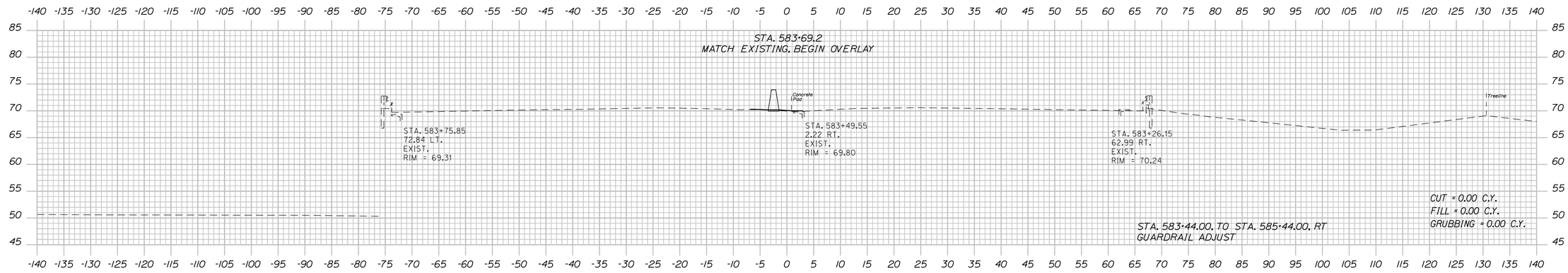
OF 230

STA. 582+14.50 to STA. 582+50.00

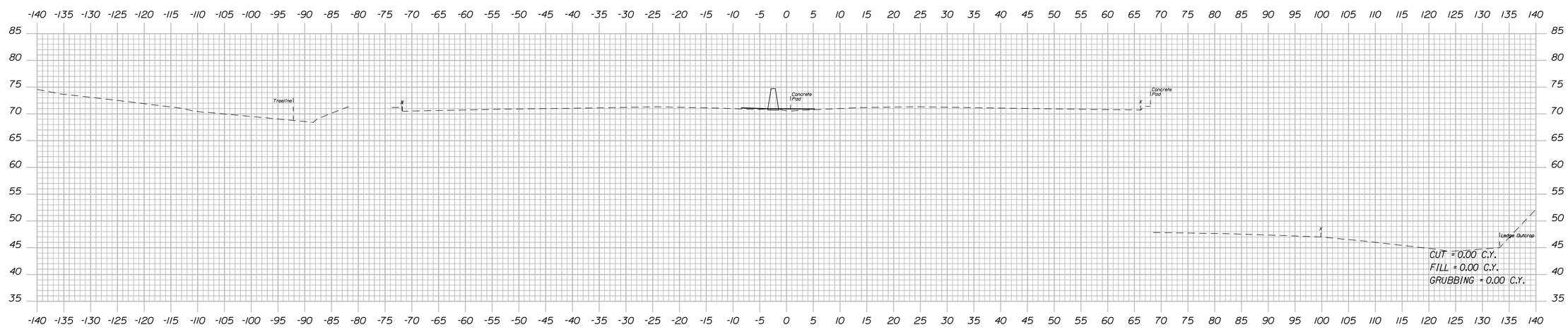
Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



584+00.00



583+50.00



583+00.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER.
SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

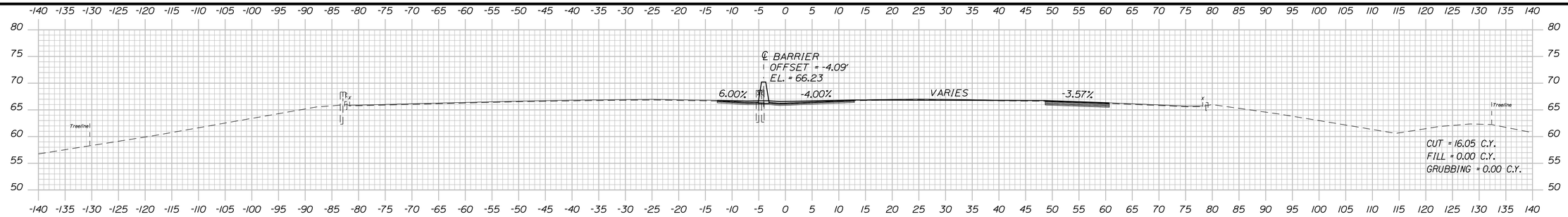
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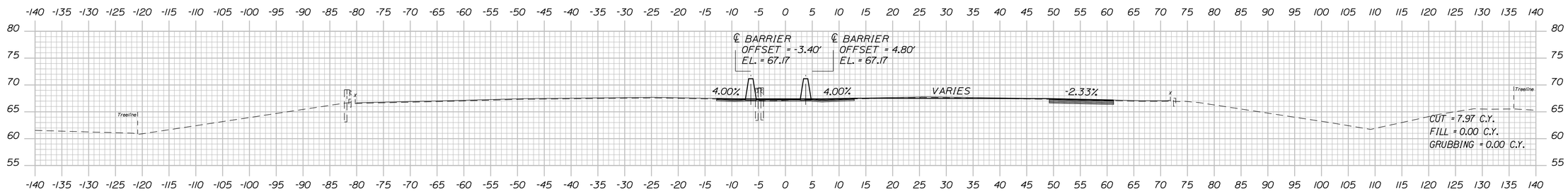
OF 230

STA. 583+00.00 to STA. 584+00.00

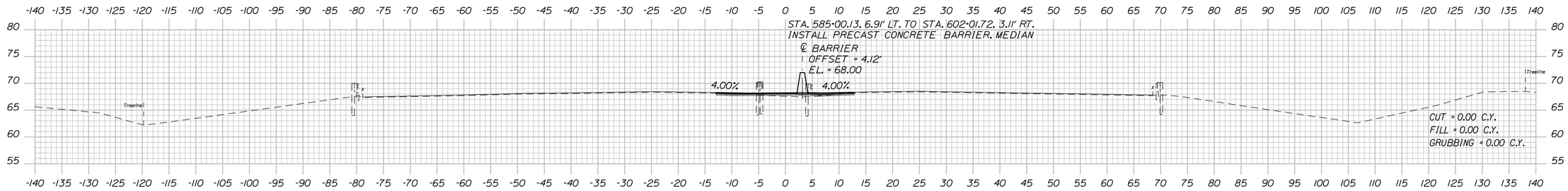
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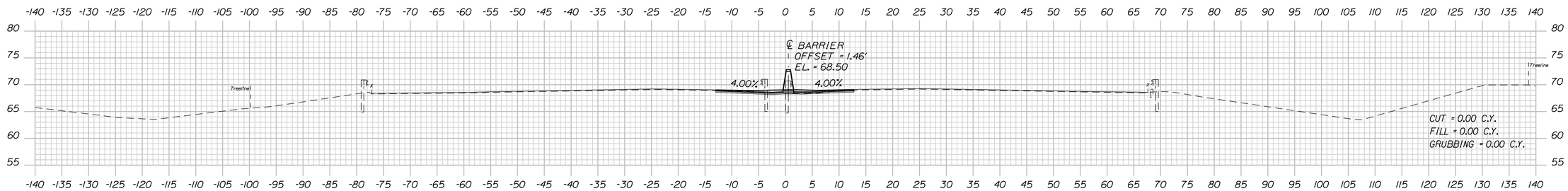
586+00.00



585+50.00



585+00.00



584+50.00

NOTE:

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SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

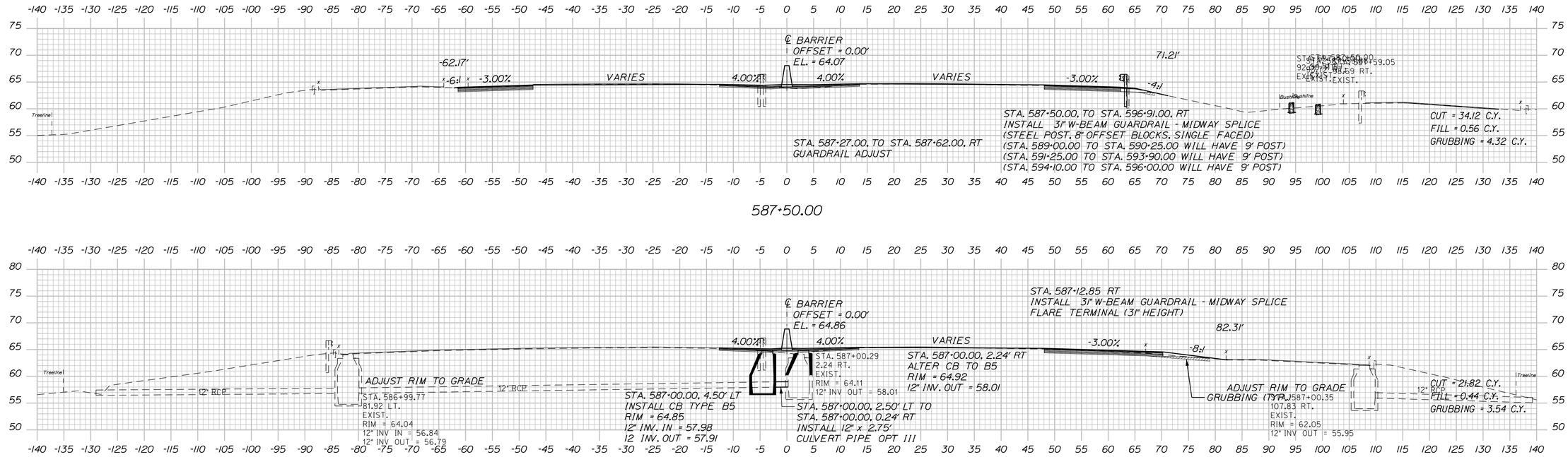
SHEET NUMBER

51

OF 230

STA. 584+50.00 to STA. 586+00.00

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

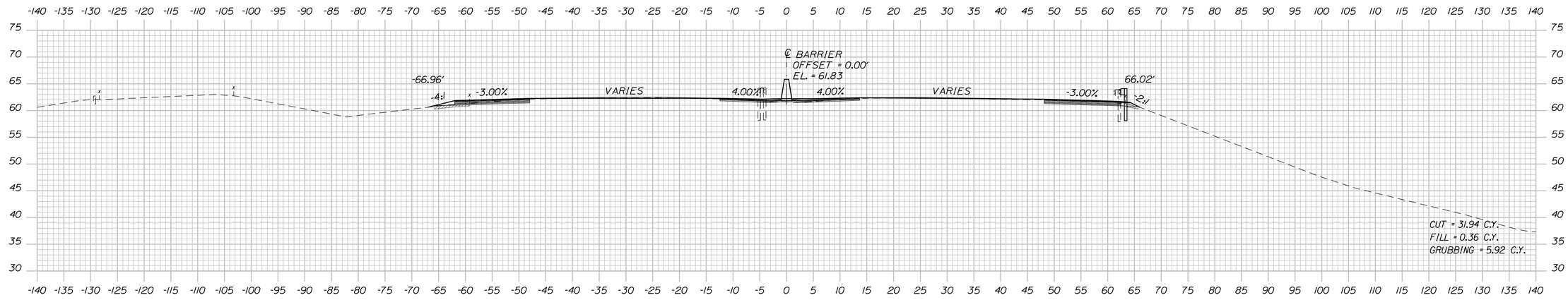
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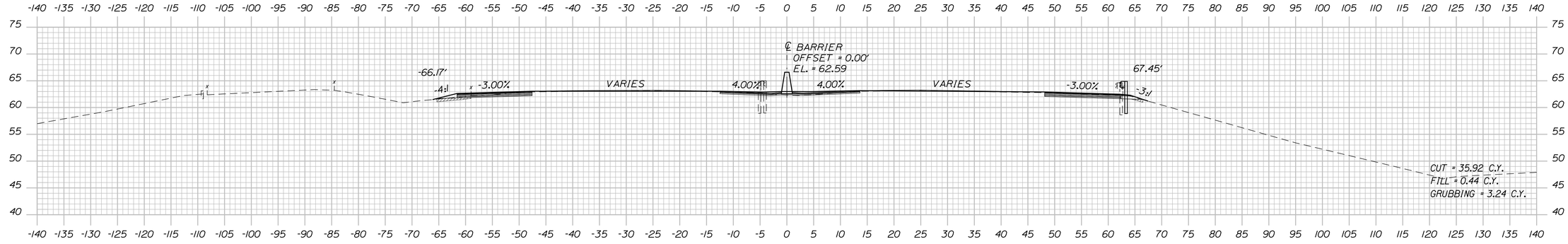
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

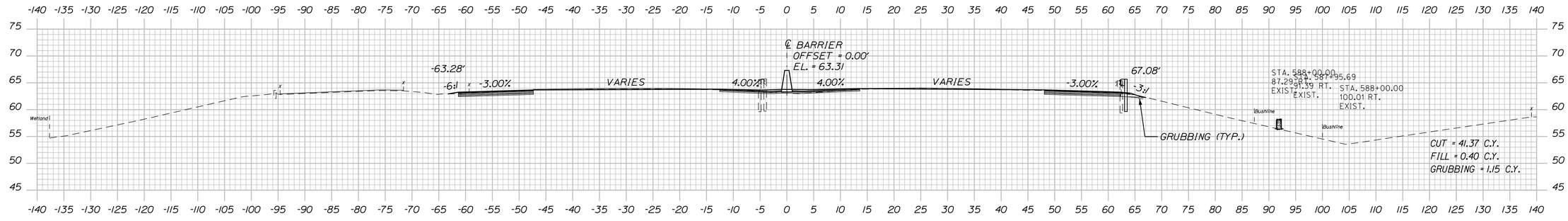
STA. 586+50.00 to STA. 587+50.00



589+00.00



588+50.00



588+00.00

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TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

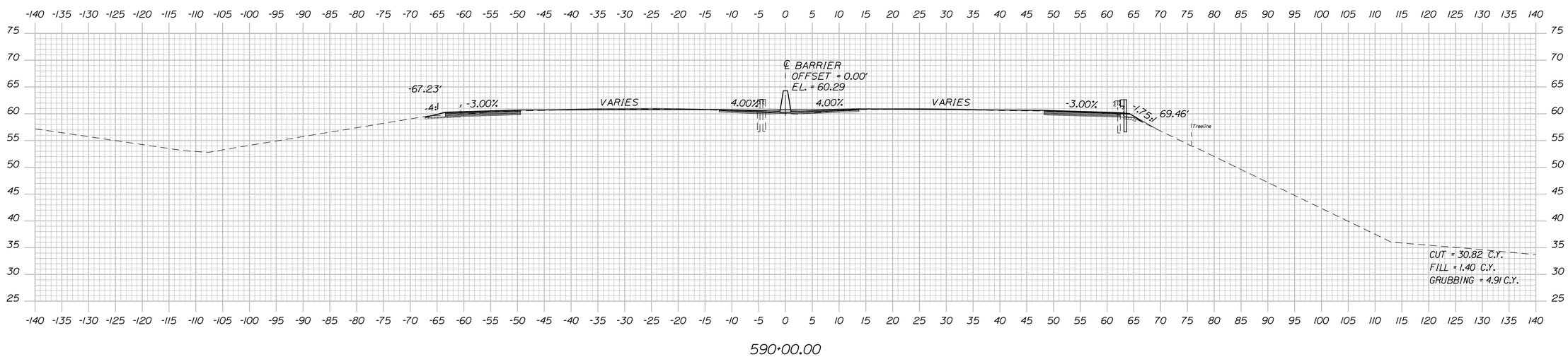
SHEET NUMBER

53

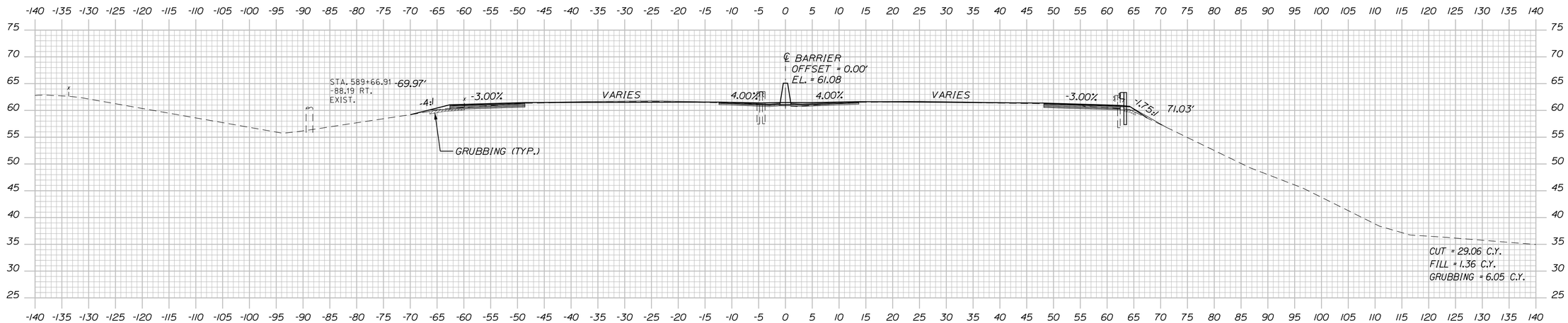
OF 230

STA. 588+00.00 to STA. 589+00.00

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



590+00.00



589+50.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER.
SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
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DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

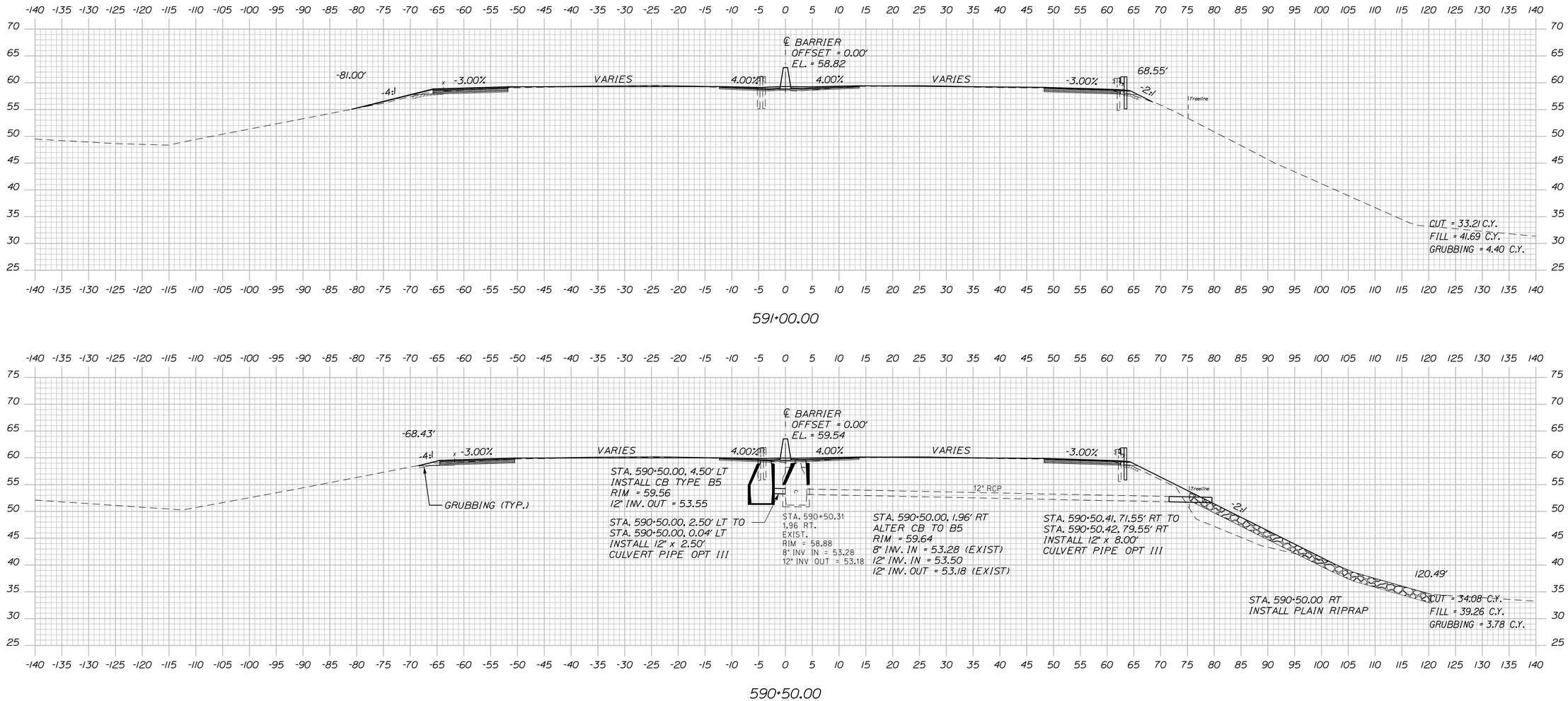
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OF 230

STA. 589+50.00 to STA. 590+00.00

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTE:

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T.Y.LIN INTERNATIONAL

STA. 590+50.00 to STA. 591+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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CHECKED-REVIEWED	KSD	10/18
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REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

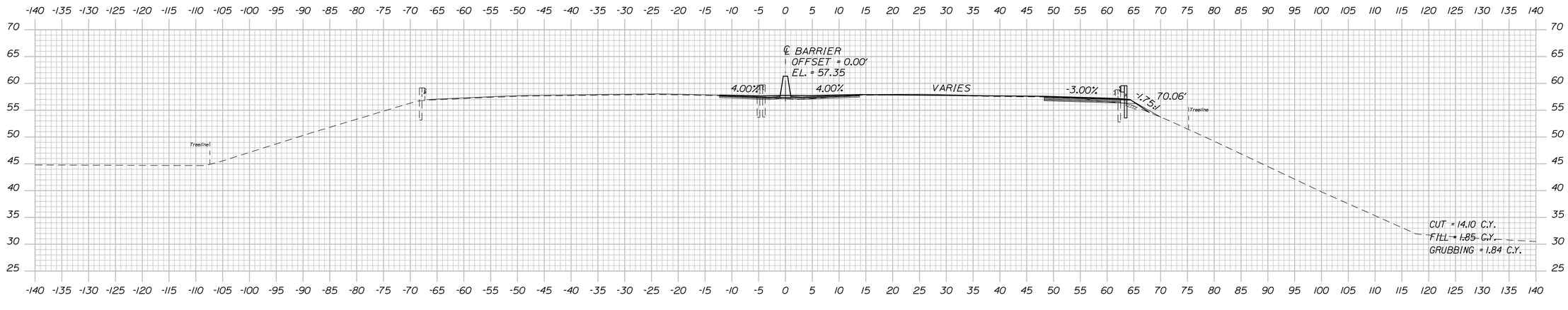
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

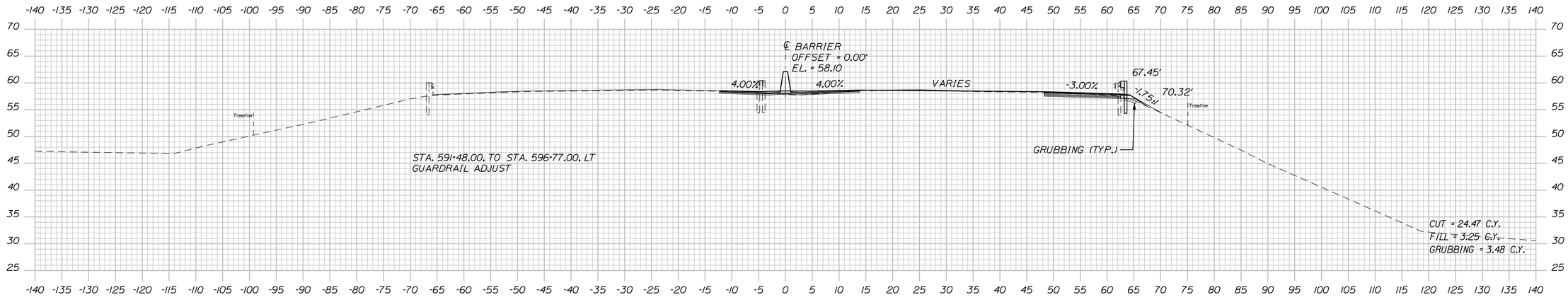
CROSS SECTION

SHEET NUMBER
55
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



592+00.00



591+50.00

NOTE:

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T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

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PROJ. MANAGER Leanne Timberlake		
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SIGNATURE

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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

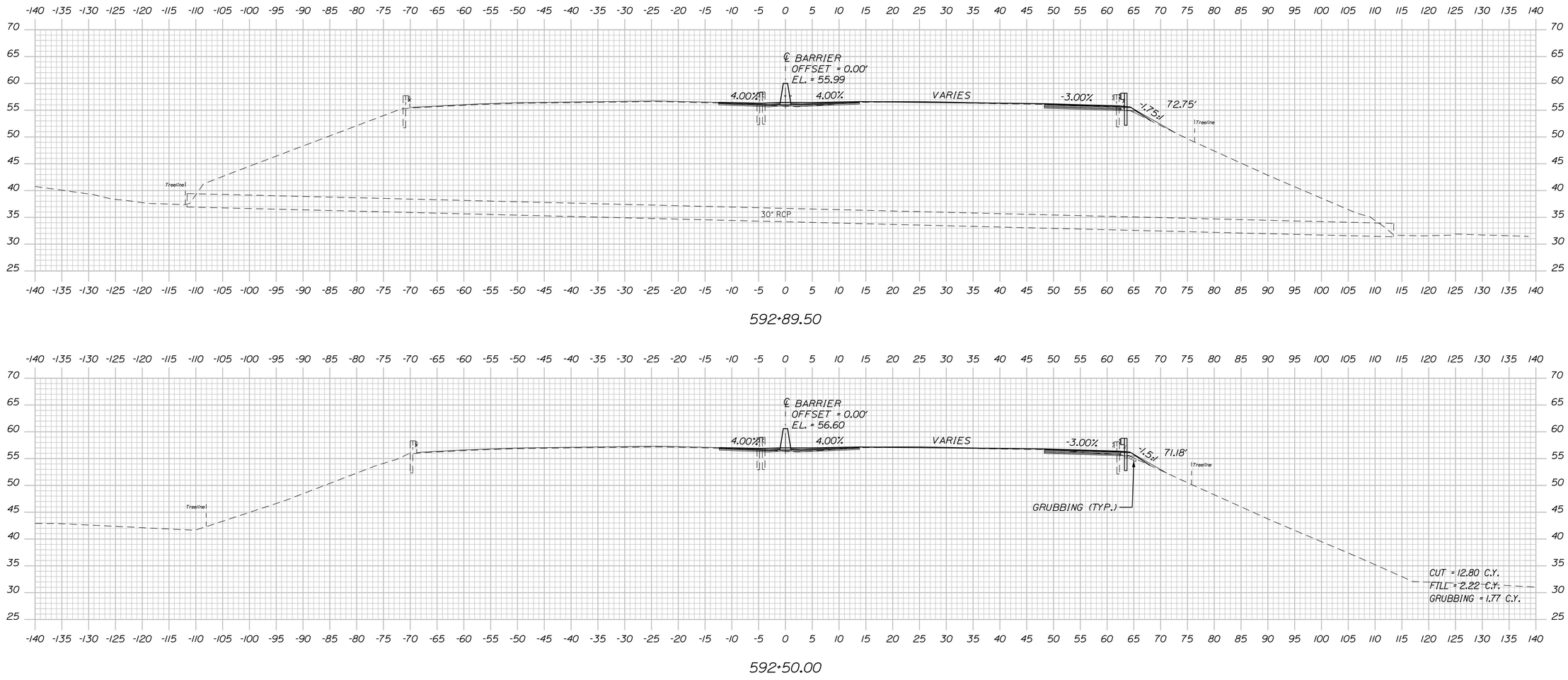
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56

OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 591+50.00 to STA. 592+00.00



592+89.50

592+50.00

NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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SIGNATURE

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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

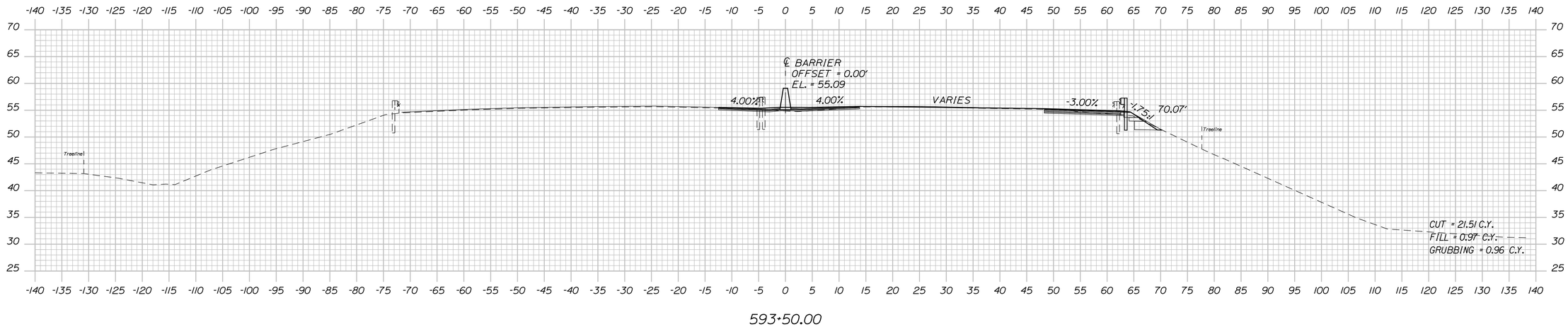
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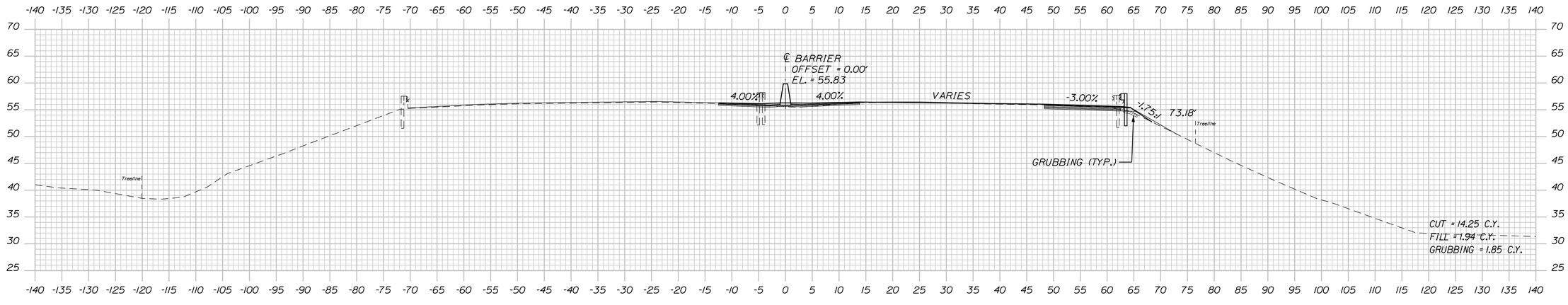
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

STA. 592+50.00 to STA. 592+89.50



593+50.00



593+00.00

NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

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PROJ. MANAGER Leanne Timberlake		
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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

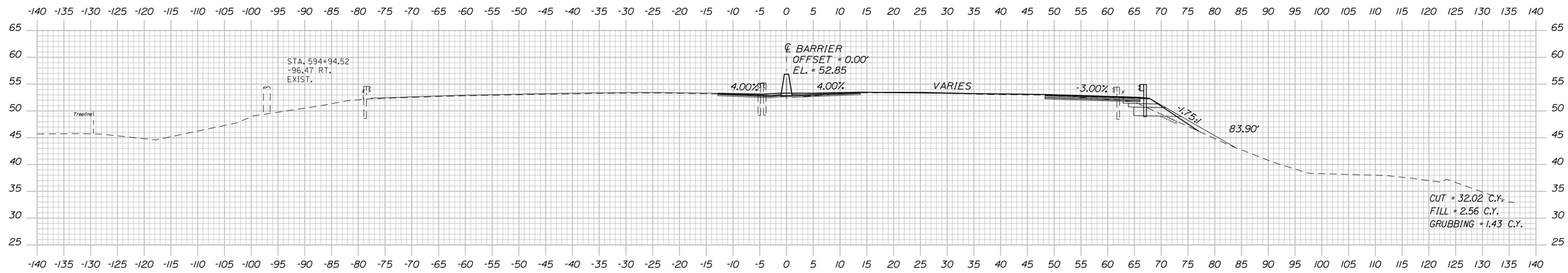
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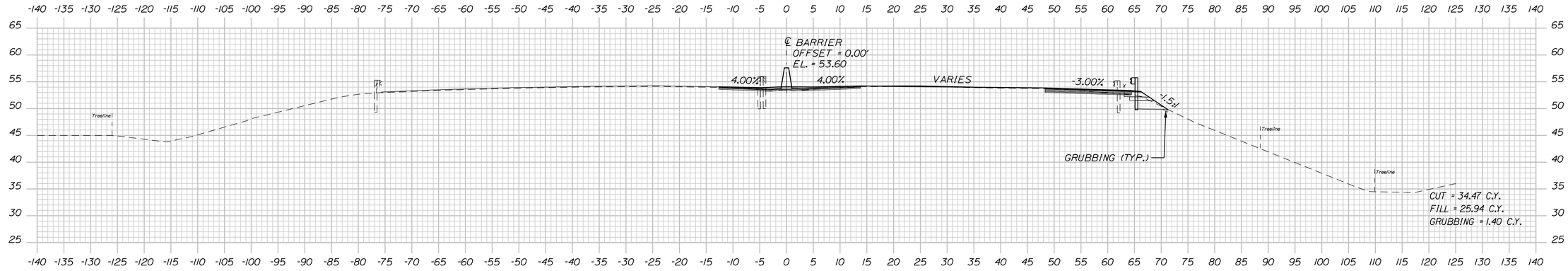
OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018

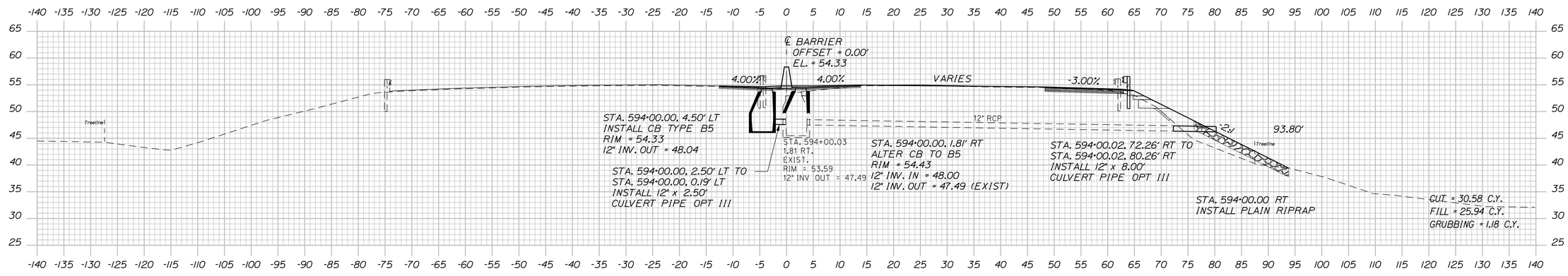
STA. 593+00.00 to STA. 593+50.00



595+00.00



594+50.00



594+00.00

NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
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BRIDGE NOS. 6330

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

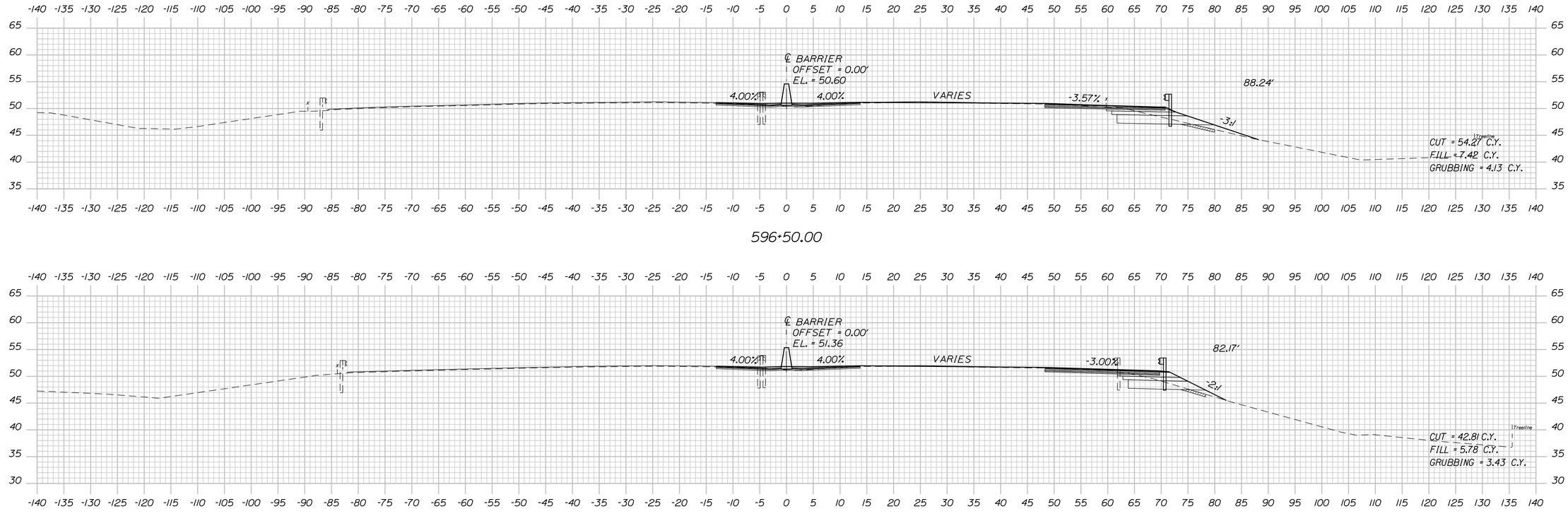
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59

OF 230

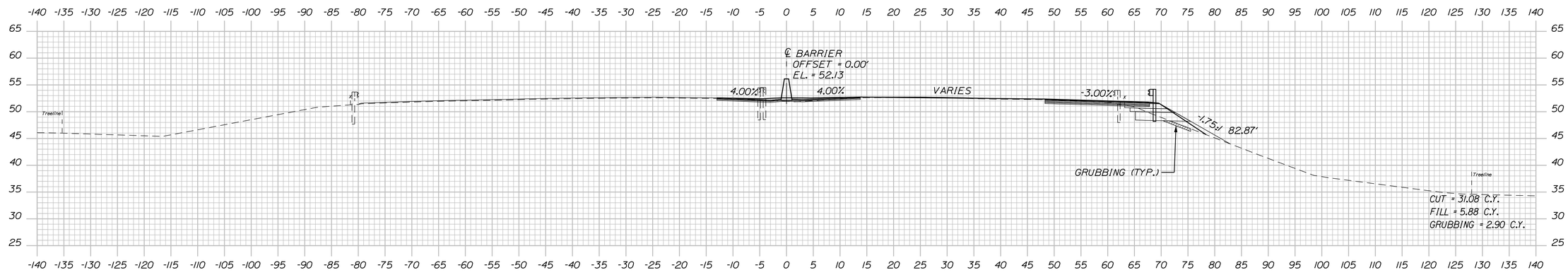
Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

STA. 594+00.00 to STA. 595+00.00



596+50.00

596+00.00



595+50.00

NOTE:

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TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
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SIGNATURE

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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

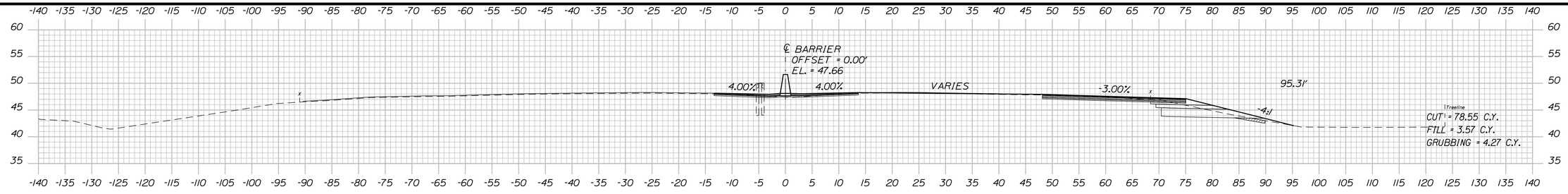
SHEET NUMBER

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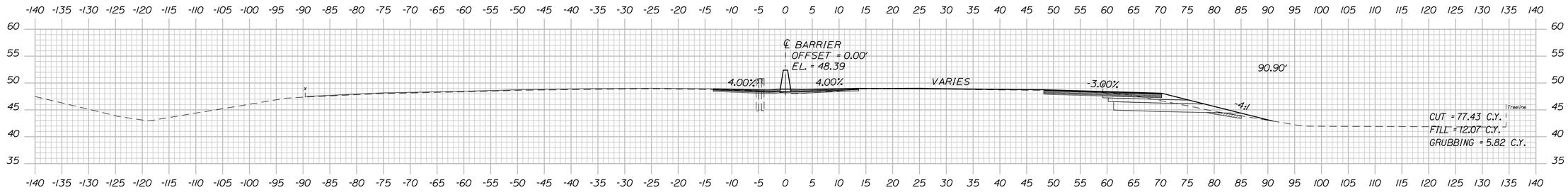
OF 230

STA. 595+50.00 to STA. 596+50.00

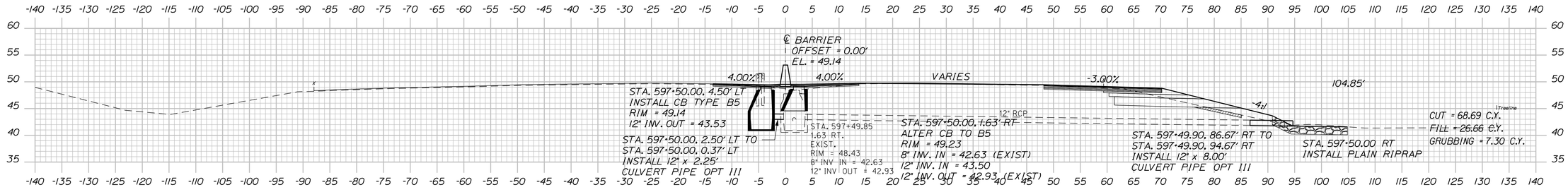
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Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



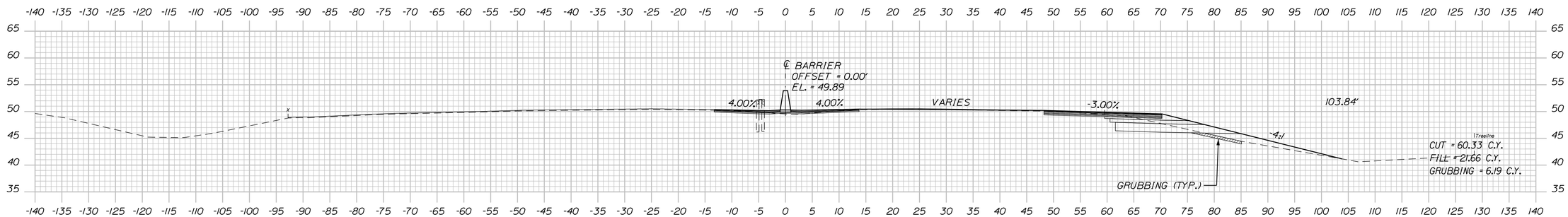
598+50.00



598+00.00



597+50.00



597+00.00

NOTE:

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T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE PLANS

BRIDGE NOS. 6330

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

SHEET NUMBER

61

OF 230

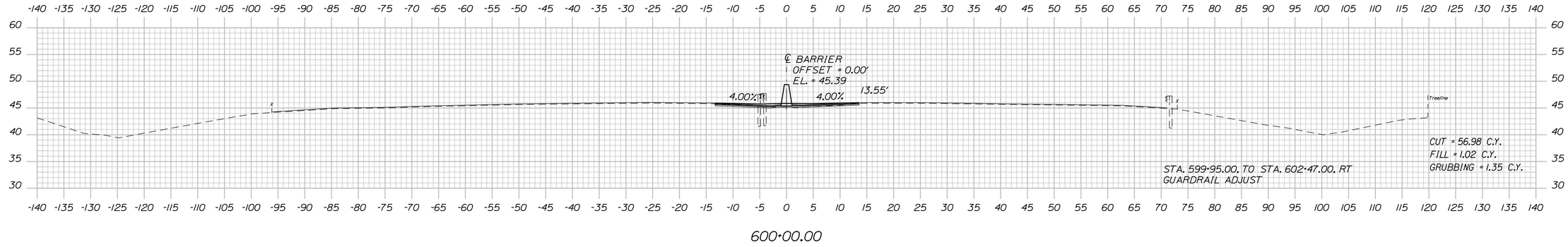
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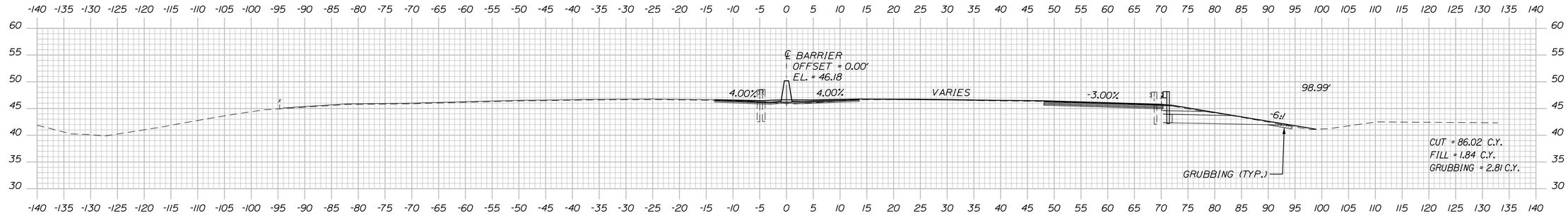
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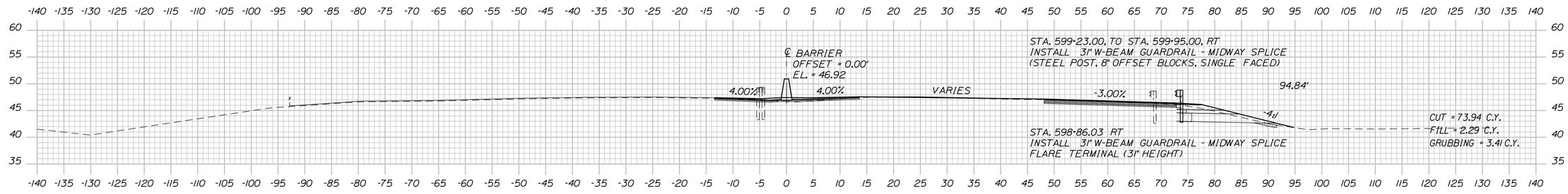
STA. 597+00.00 to STA. 598+50.00



600+00.00



599+50.00



599+00.00

NOTE:

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T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

SHEET NUMBER

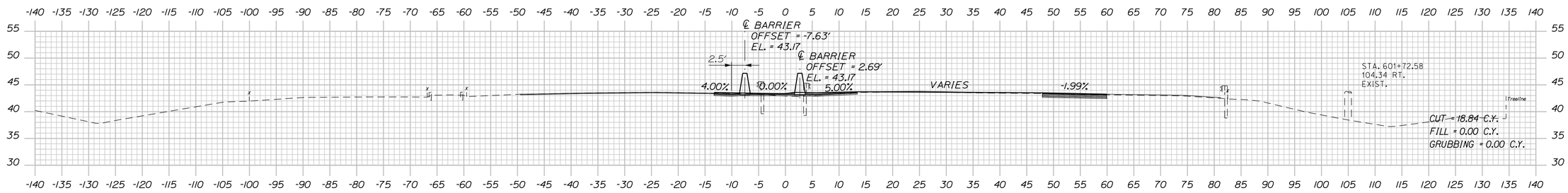
62

OF 230

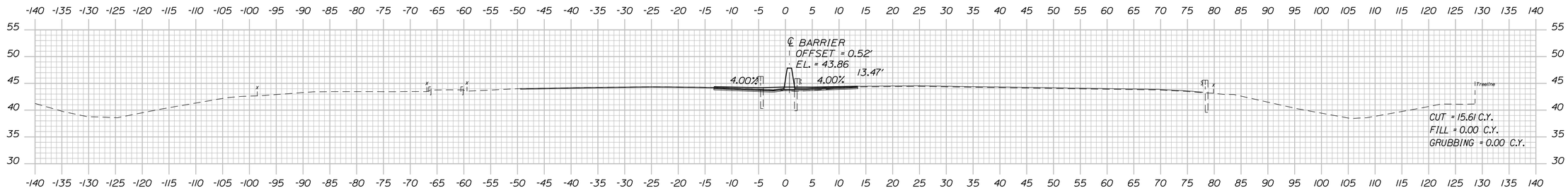
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STA. 599+00.00 to STA. 600+00.00

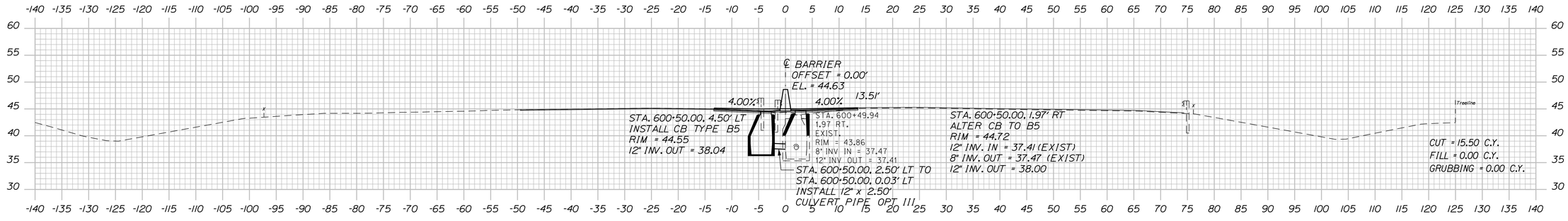
STA. 601+46.12, 7.57' LT. TO STA. 614+46.21, BL
INSTALL PRECAST CONCRETE BARRIER, MEDIAN



601+50.00



601+00.00



600+50.00

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BRIDGE NOS. 6330 BRIDGE PLANS

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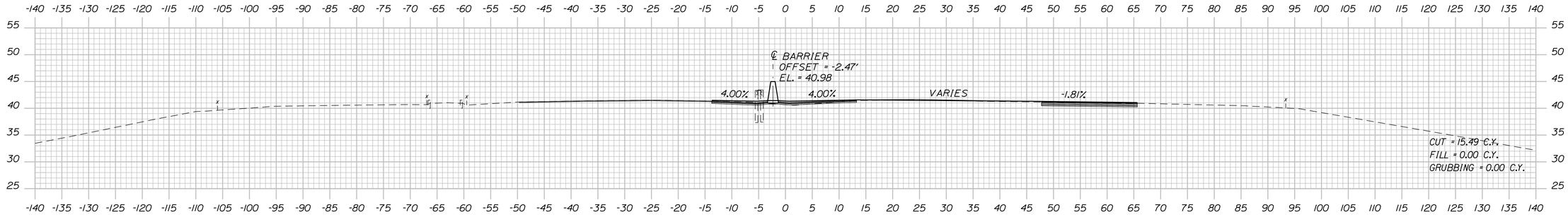
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

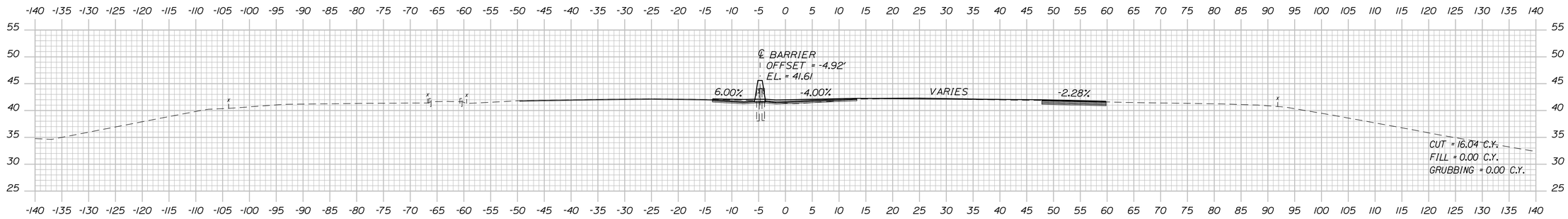
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OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn

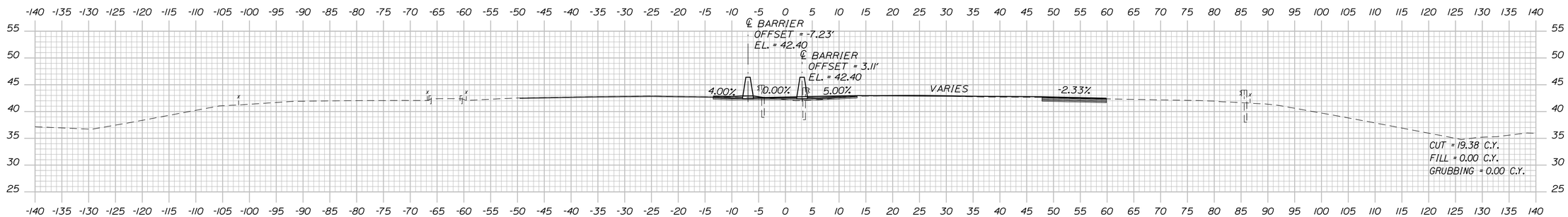
STA. 600+50.00 to STA. 601+50.00



603+00.00



602+50.00



602+00.00

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019270.00

BRIDGE PLANS

BRIDGE NOS. 6330

PROJ. MANAGER Leanne Timberlake	BY	DATE
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DESIGN3-DETAILED3		
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

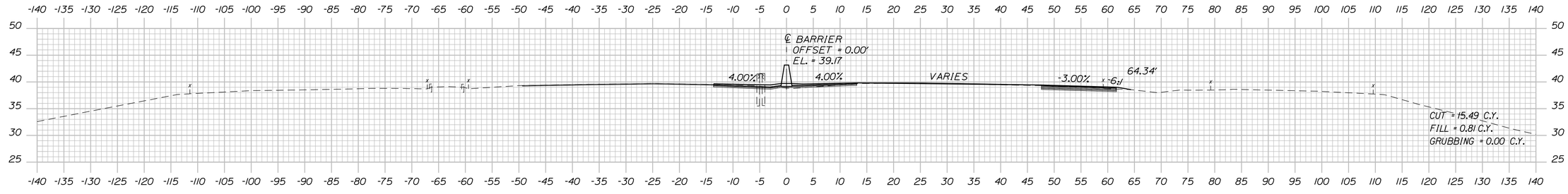
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64

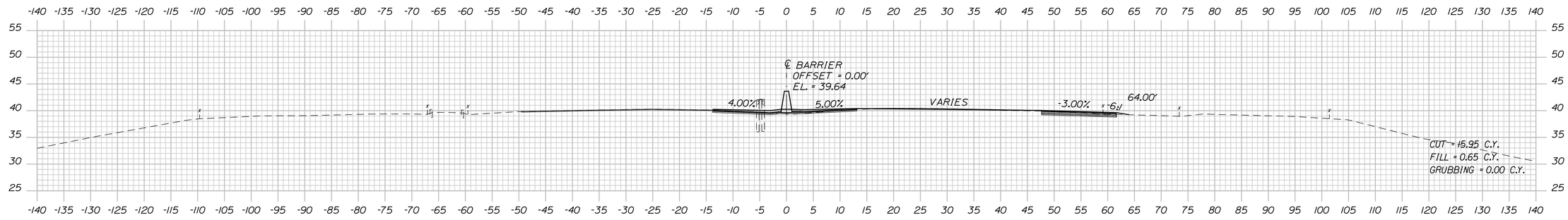
OF 230

STA. 602+00.00 to STA. 603+00.00

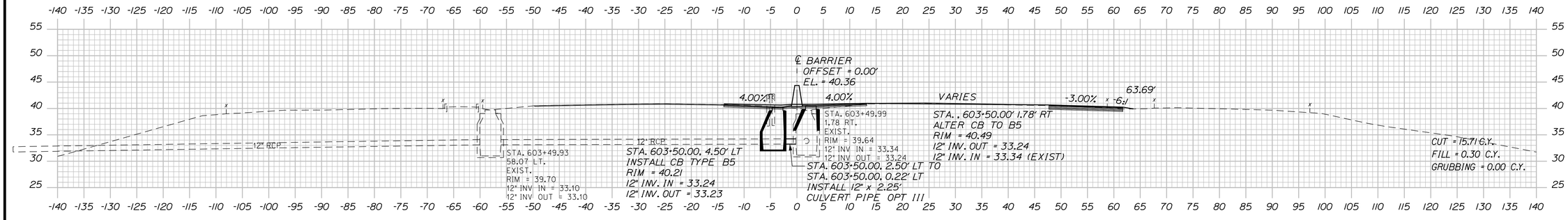
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Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



604+50.00



604+00.00



603+50.00

NOTE:

ALL BARRIER ELEVATIONS REFER TO BOTTOM OF BARRIER. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

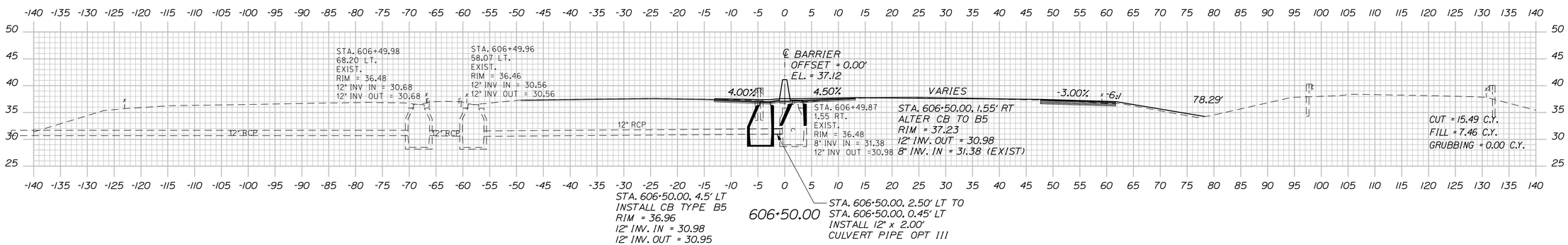
SHEET NUMBER

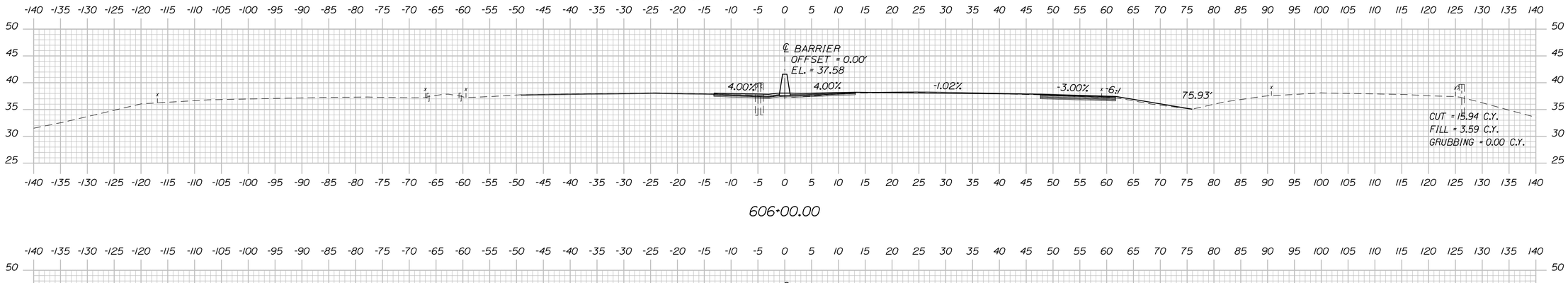
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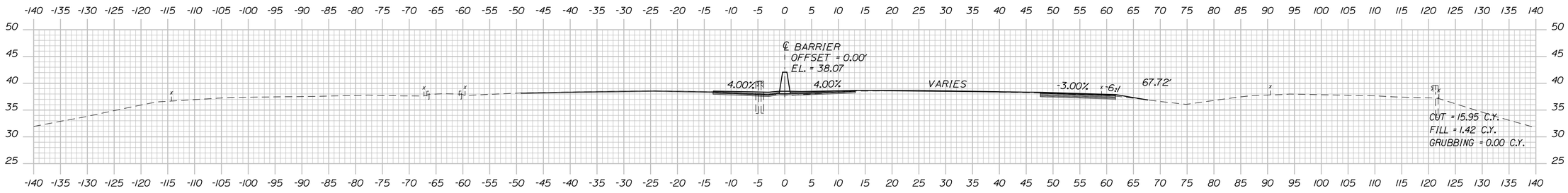
OF 230

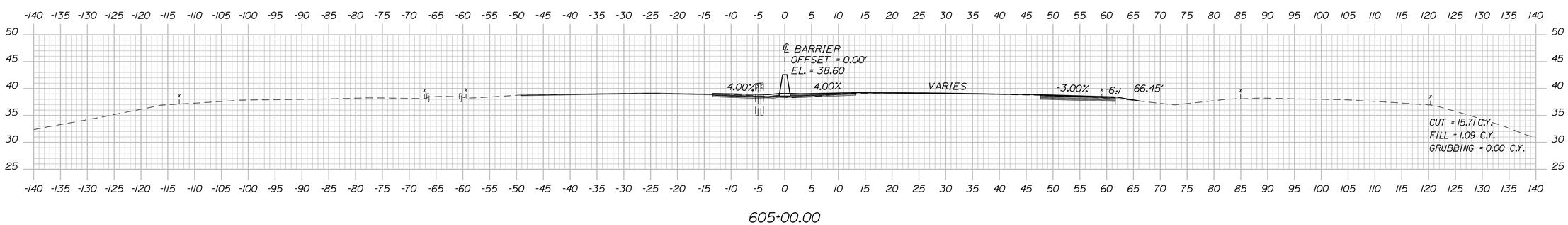
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Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn









NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE PLANS

BRIDGE NOS. 6330

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

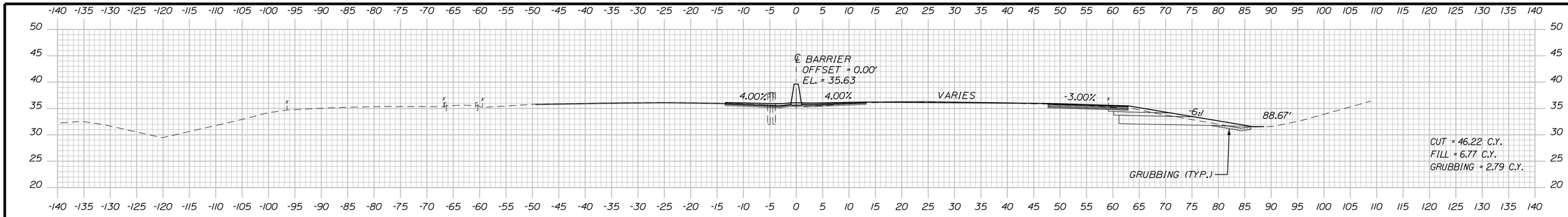
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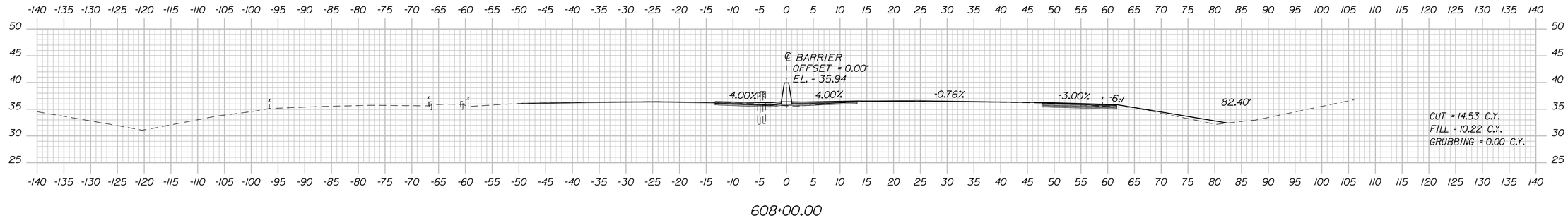
OF 230

STA. 605+00.00 to STA. 606+50.00

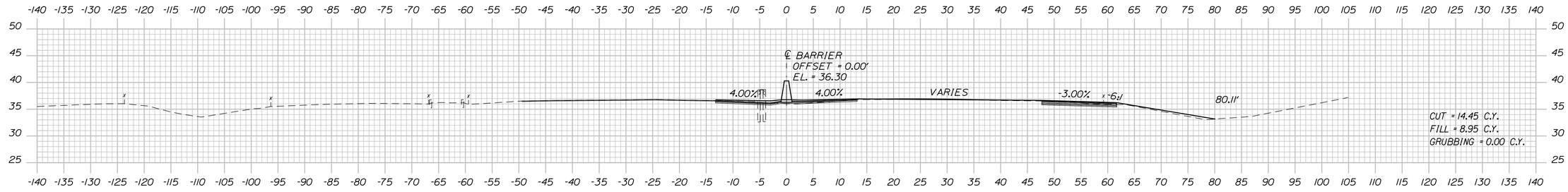
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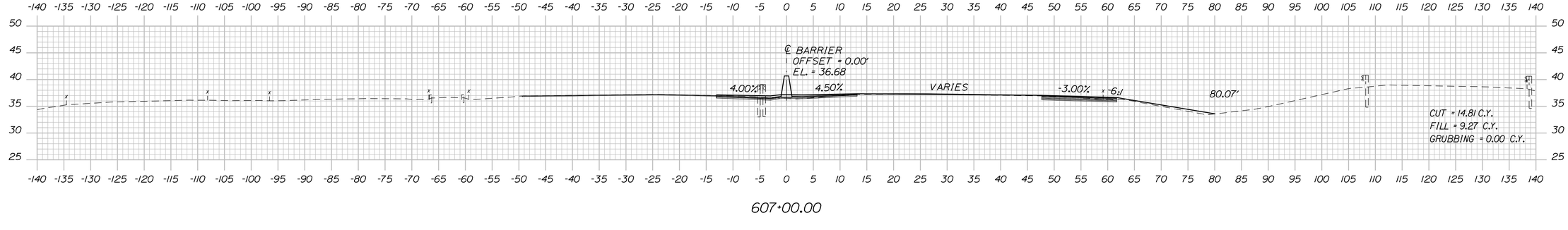
608+50.00



608+00.00



607+50.00



607+00.00

NOTE:

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T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

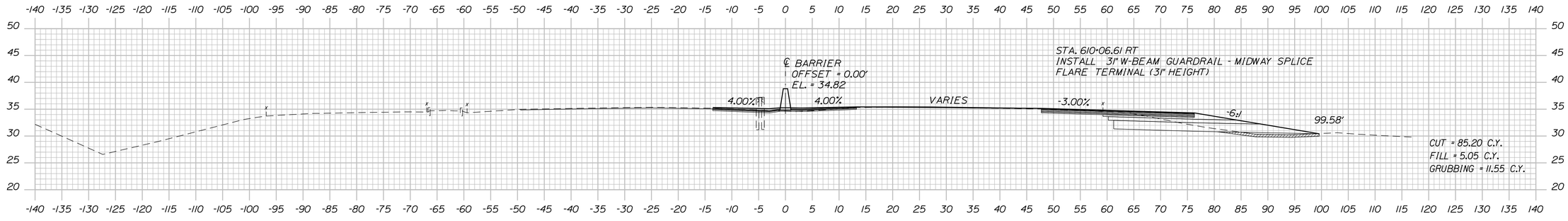
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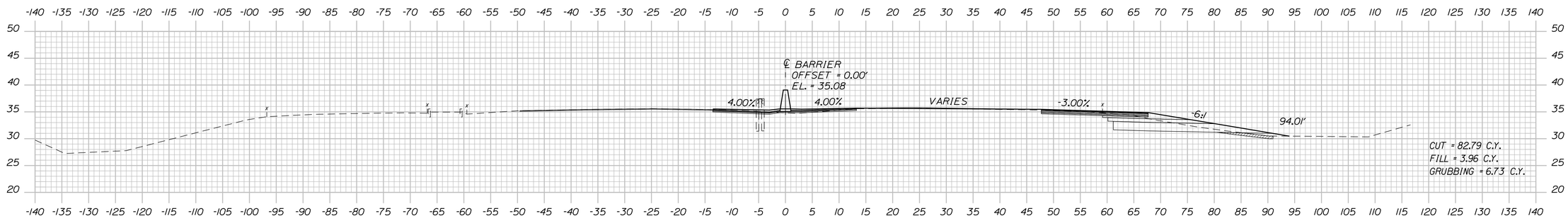
OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn

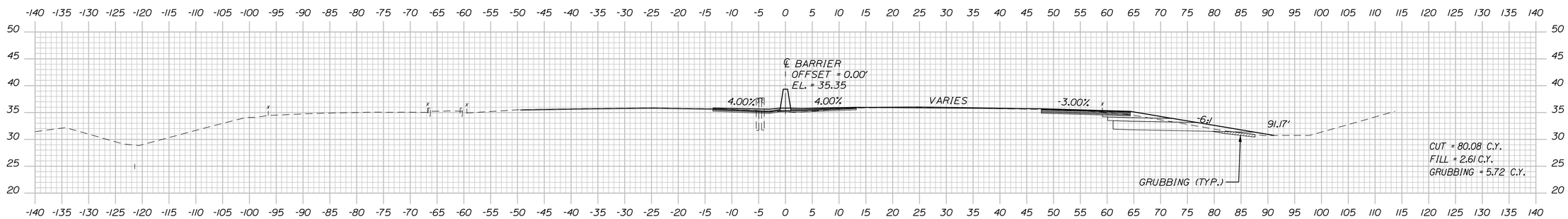
STA. 607+00.00 to STA. 608+50.00



610+00.00



609+50.00



609+00.00

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TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

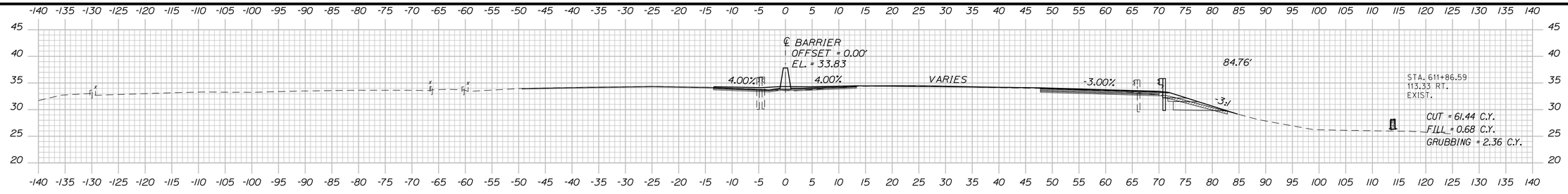
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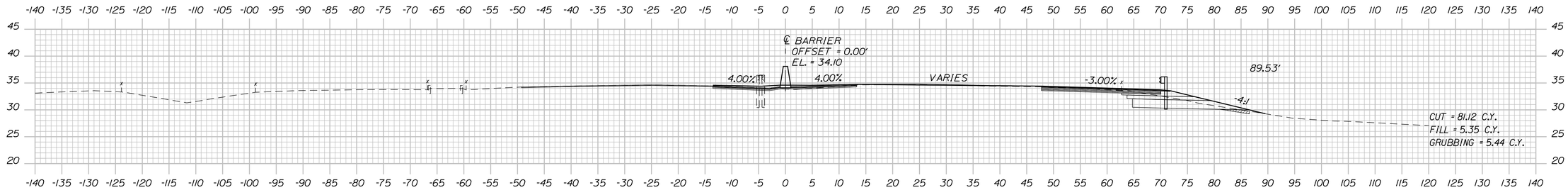
OF 230

STA. 609+00.00 to STA. 610+00.00

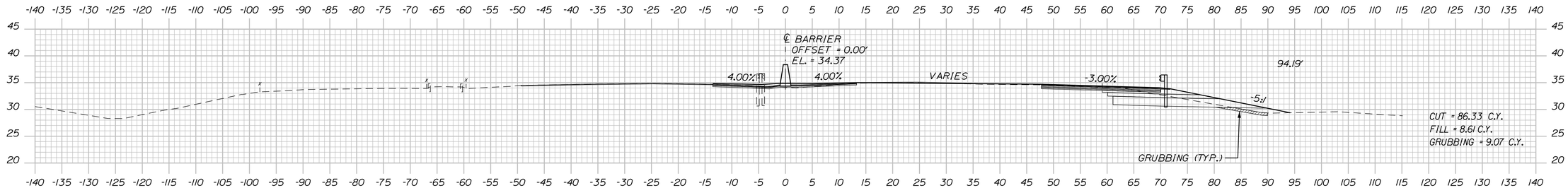
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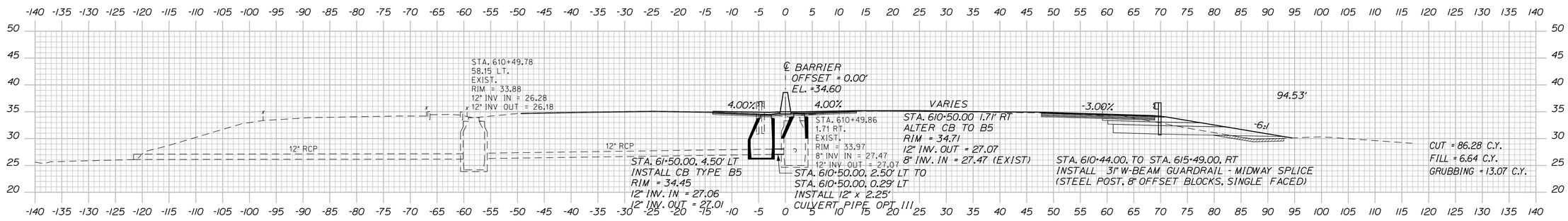
612+00.00



611+50.00



611+00.00



610+50.00

NOTE:

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T-Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	MJD	10/18
CHECKED-REVIEWED	TSK	10/18
DESIGN2-DETAILED2	HEC	
DESIGN3-DETAILED3	KSD	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

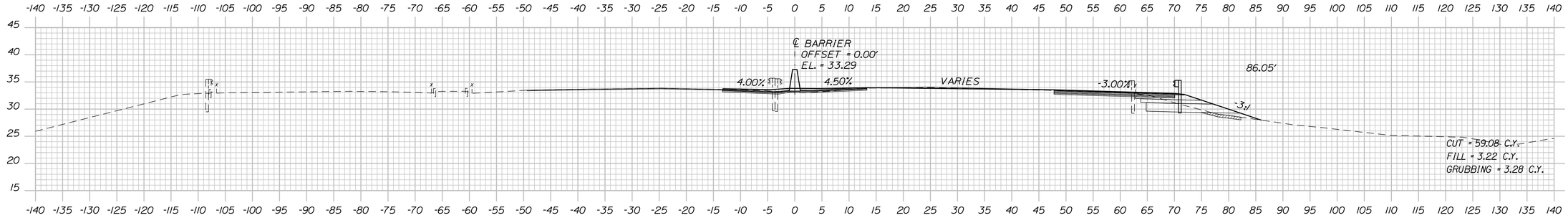
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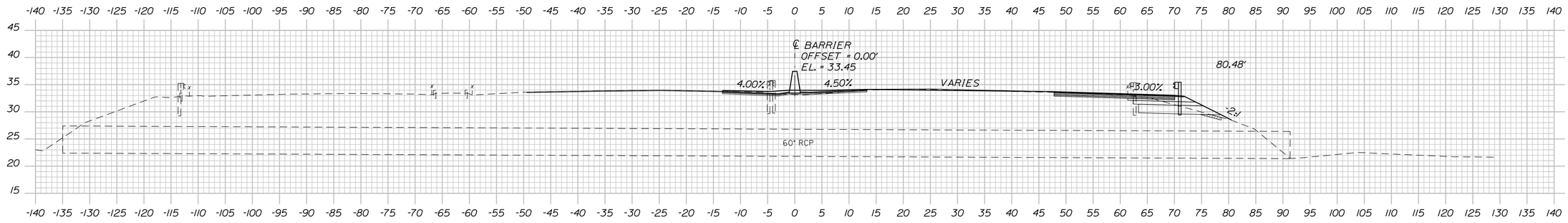
OF 230

STA. 610+50.00 to STA. 612+00.00

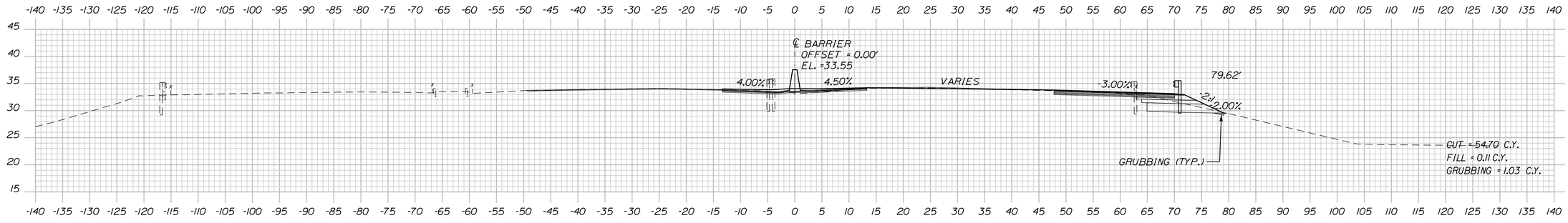
Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn



613+00.00



612+66.50



612+50.00

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

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BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED TSK	MJD	10/18
CHECKED-REVIEWED HEC	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

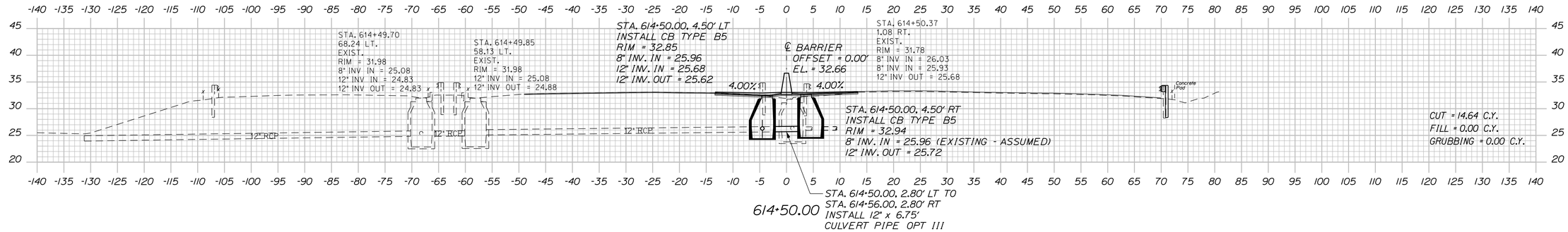
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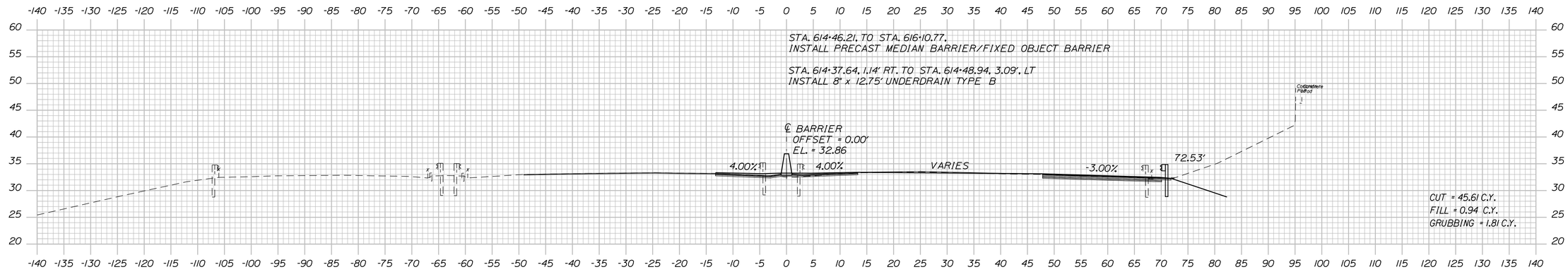
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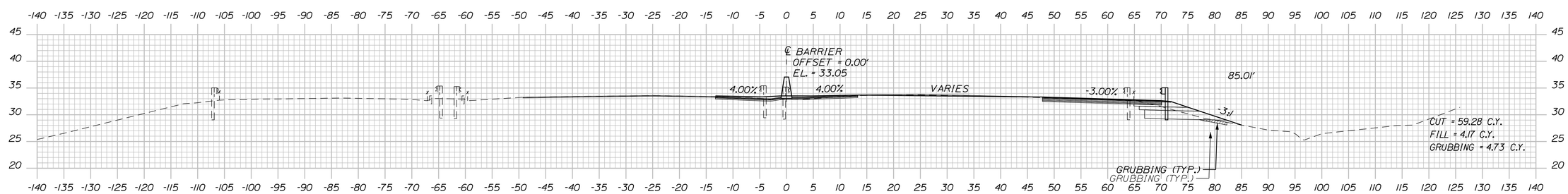
OF 230

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\Highway\MSTA\XXX_XSections.dgn

STA. 612+50.00 to STA. 613+00.00







NOTE:

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

P.E. NUMBER

SIGNATURE

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

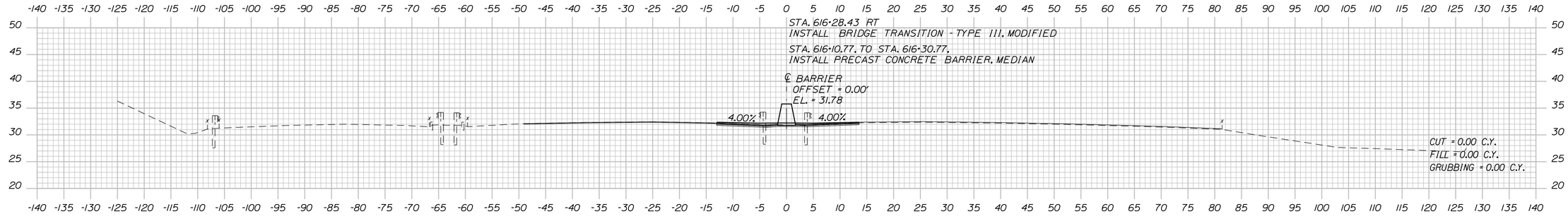
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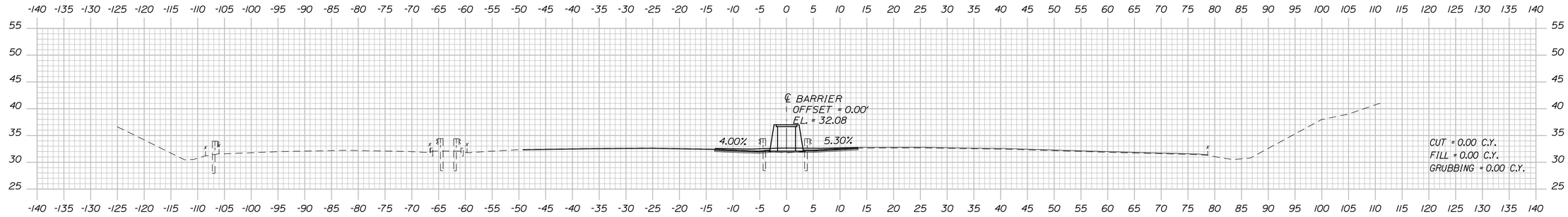
OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018

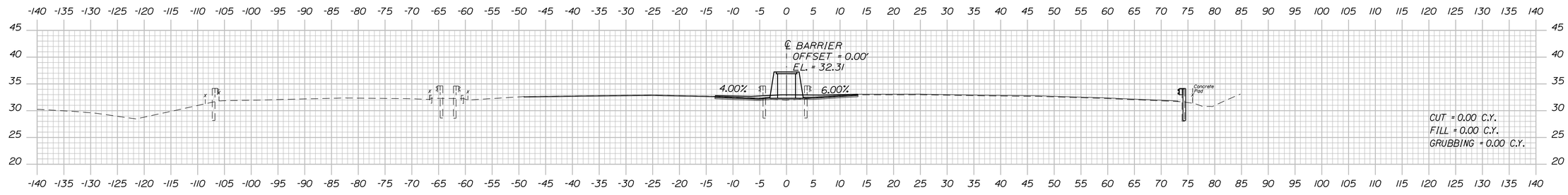
STA. 613+50.00 to STA. 614+50.00



616+00.00



615+50.00



615+00.00

NOTE:

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T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

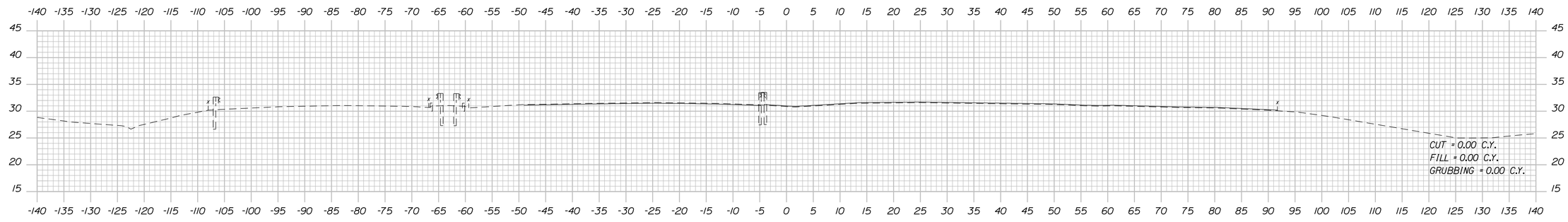
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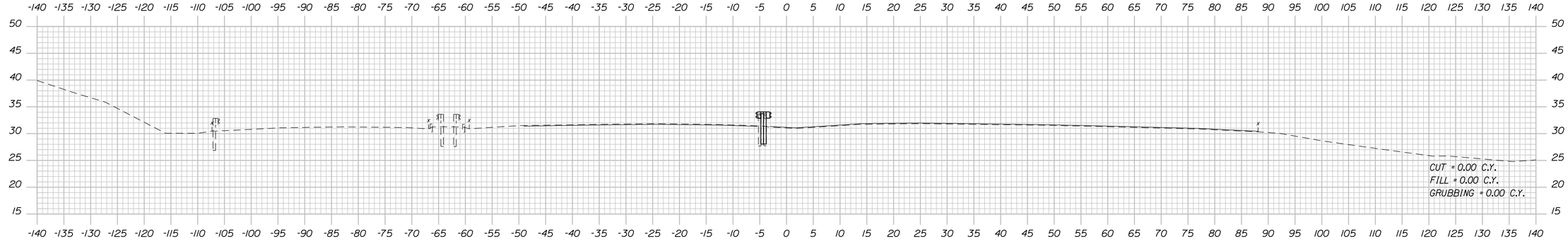
OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\Highway\MSTA\XXX_XSections.dgn

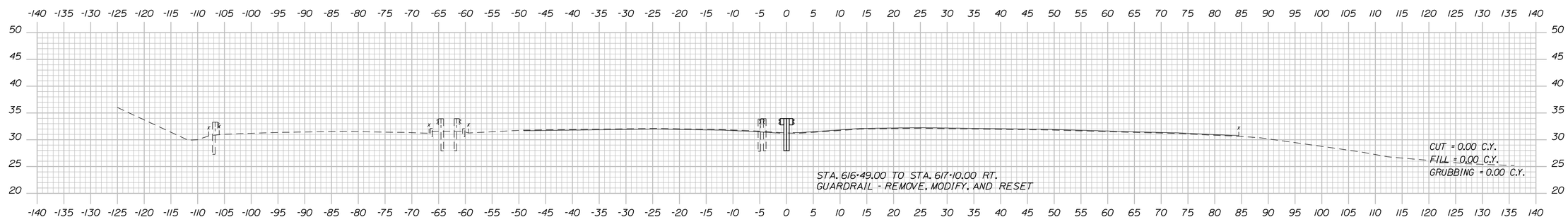
STA. 615+00.00 to STA. 616+00.00



617+50.00



617+00.00



616+50.00

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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake		BY	
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

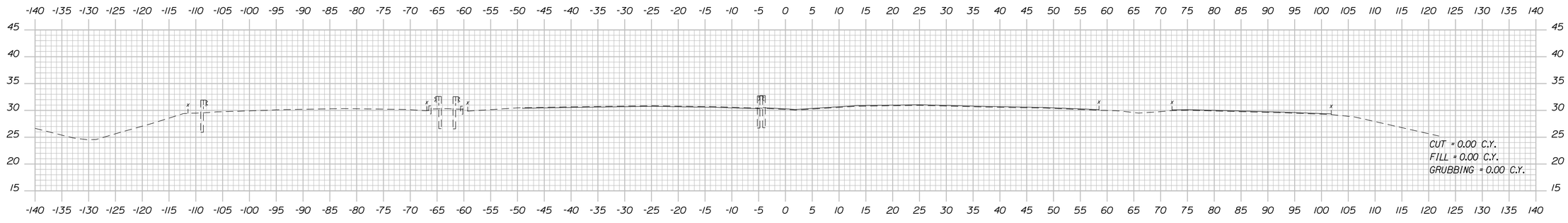
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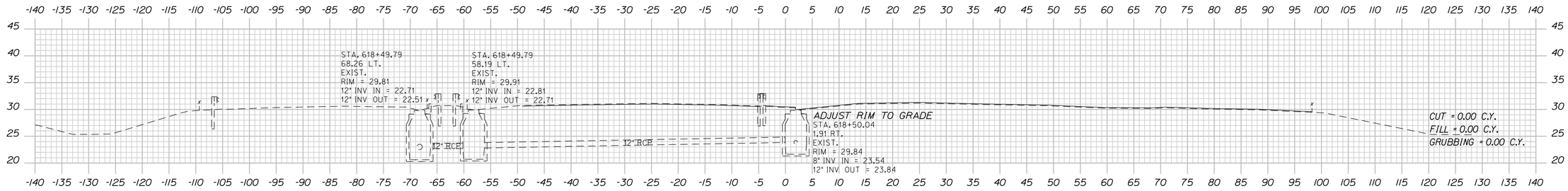
OF 230

STA. 616+50.00 to STA. 617+50.00

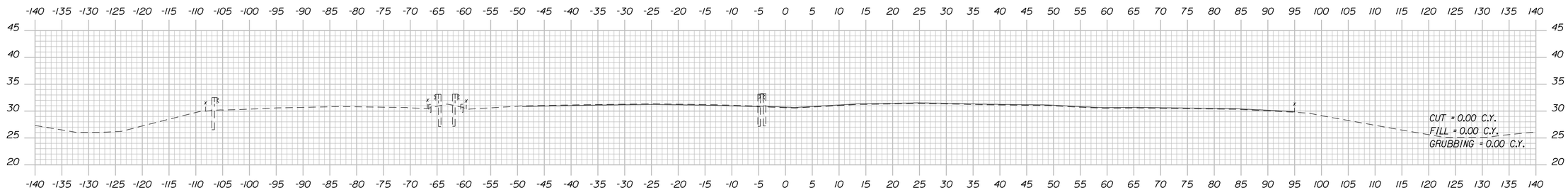
Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



619+00.00



618+50.00



618+00.00

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T·Y·LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	HEC	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

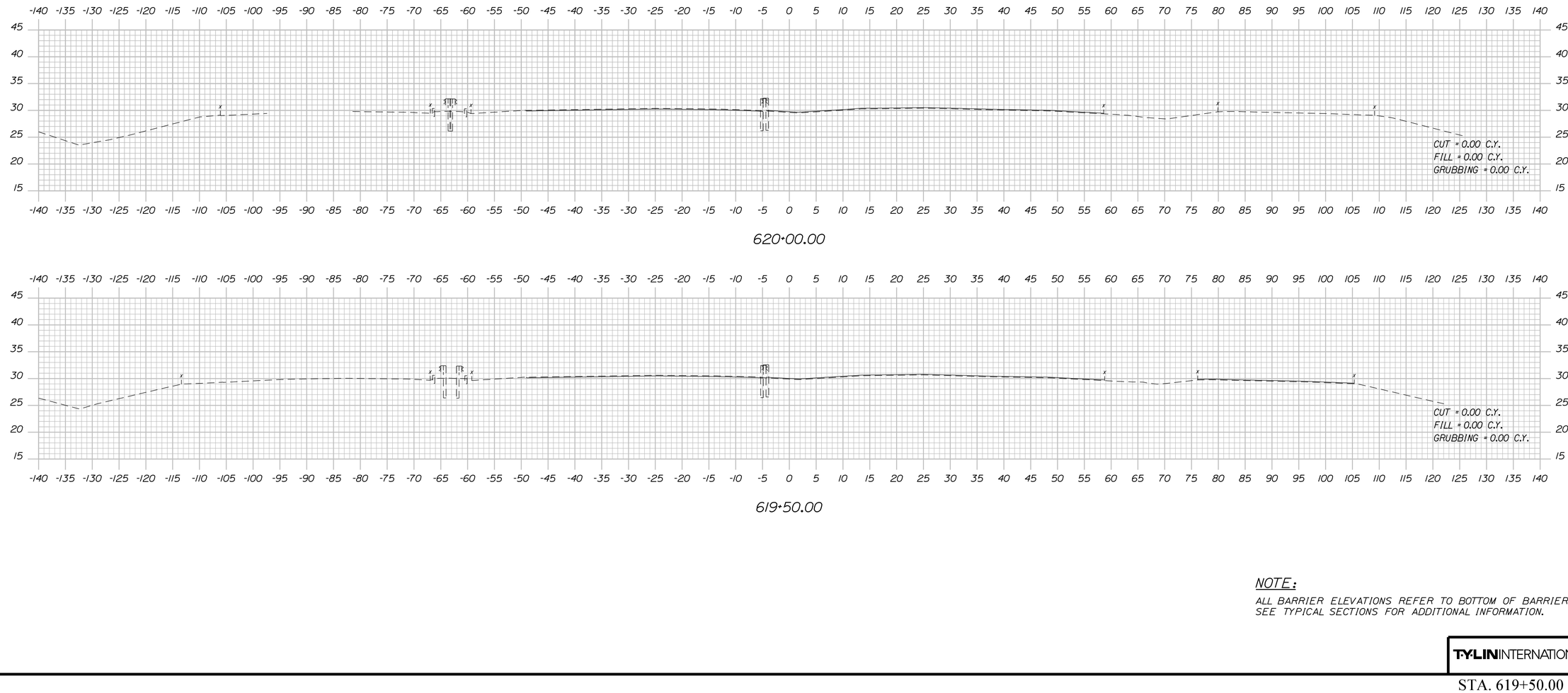
SHEET NUMBER

74

OF 230

Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018

STA. 618+00.00 to STA. 619+00.00



620+00.00

619+50.00

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TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CROSS SECTION

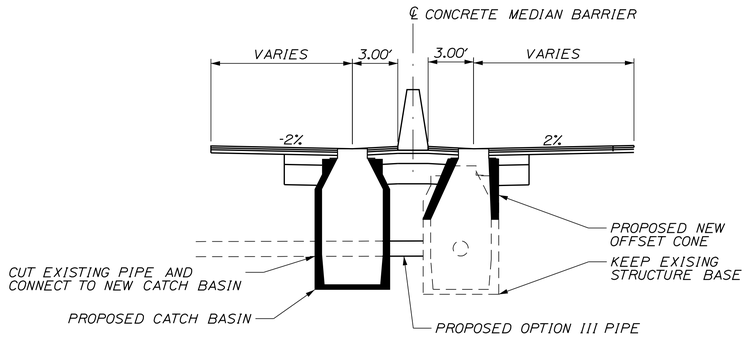
SHEET NUMBER

75

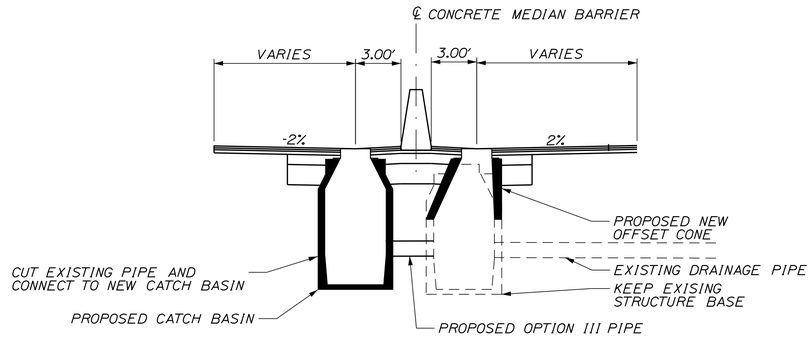
OF 230

STA. 619+50.00 to STA. 620+00.00

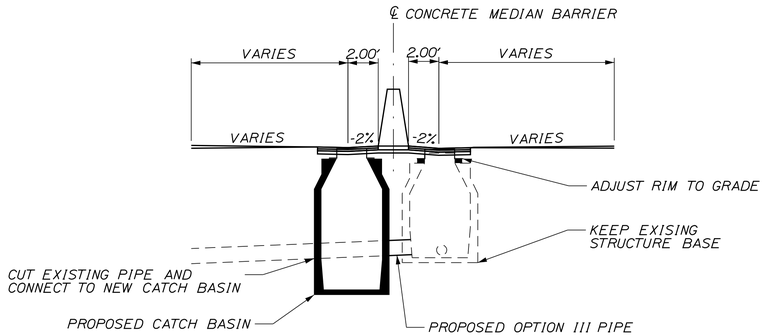
Filename: ...\Highway\MSTA\XXX_XSections.dgn Division: HIGHWAY Username: Date:11/7/2018



DRAINAGE DETAIL A



DRAINAGE DETAIL B



DRAINAGE DETAIL C

NOTES:

1. REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCIDENTAL TO NEW DRAINAGE STRUCTURE ITEMS.
2. SEE TYPICAL SECTIONS FOR CONCRETE MEDIAN BARRIER AND PAVEMENT DETAILS.

Filename: ...\XXX_Drainage Details_01.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TSK	MJD	10/18
CHECKED-REVIEWED	HEC	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DRAINAGE DETAILS

SHEET NUMBER

76

OF 230

TY LIN INTERNATIONAL

DIMENSIONS FOR SLOPE OF 2:1

D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	4.00	3.00	2.00	6.00	1.00	1.50	1.30
15"	1.00	4.50	3.37	2.25	6.75	1.63	1.50	1.70
18"	1.00	5.00	3.75	2.50	7.50	2.25	1.50	2.09
21"	1.00	5.50	4.13	2.75	8.25	2.88	1.50	2.58
24"	1.00	6.00	4.50	3.00	9.00	3.50	1.50	3.12
30"	1.00	7.00	5.25	3.50	10.50	4.75	1.50	4.33
36"	1.00	8.00	6.00	4.00	12.00	6.00	1.50	5.75
42"	1.00	9.00	6.75	4.50	13.50	7.25	1.50	7.37
48"	1.00	10.00	7.50	5.00	15.00	8.50	1.50	9.18
54"	1.00	11.00	8.25	5.50	16.50	9.75	1.50	11.19
60"	1.00	12.00	9.00	6.00	18.00	11.00	1.50	13.40
66"	1.00	13.00	9.75	6.50	19.50	12.25	1.50	15.81
72"	1.00	14.00	10.50	7.00	21.00	13.50	1.50	18.41
84"	1.00	16.00	12.00	8.00	24.00	16.00	1.50	24.22

DIMENSIONS FOR SLOPE OF 4:1

D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	8.00	6.00	2.00	6.00	0.00	1.50	2.20
15"	1.00	9.00	6.75	2.25	6.75	0.00	1.50	2.80
18"	1.00	10.00	7.50	2.50	7.50	0.00	1.50	3.40
21"	1.00	11.00	8.25	2.75	8.25	0.00	1.50	4.10
24"	1.00	12.00	9.00	3.00	9.00	0.00	1.50	4.86
30"	1.00	14.00	10.50	3.50	10.50	0.00	1.50	6.58
36"	1.00	16.00	12.00	4.00	12.00	0.00	1.50	8.56
42"	1.00	18.00	13.50	4.50	13.50	0.50	1.50	10.92
48"	1.00	20.00	15.00	5.00	15.00	1.00	1.50	13.57
54"	1.00	22.00	16.50	5.50	16.50	1.50	1.50	16.50
60"	1.00	24.00	18.00	6.00	18.00	2.00	1.50	19.72
66"	1.00	26.00	19.50	6.50	19.50	2.50	1.50	23.22
72"	1.00	28.00	21.00	7.00	21.00	3.00	1.50	27.01
84"	1.00	32.00	24.00	8.00	24.00	4.00	1.50	35.45

DIMENSIONS FOR SLOPE OF 6:1

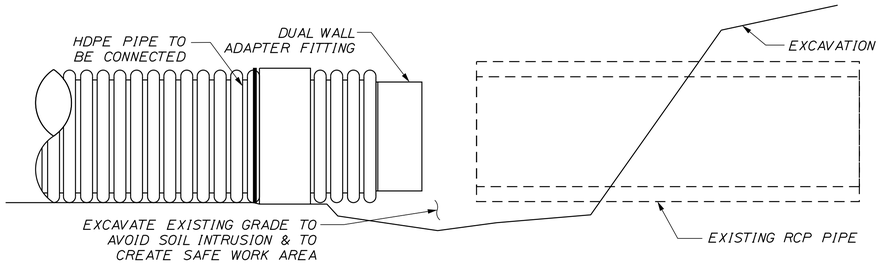
D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	0.50	9.00	7.50	1.50	4.50	0.00	1.50	2.30
15"	0.50	10.50	8.75	1.75	5.50	0.00	1.50	2.93
18"	0.50	12.00	10.00	2.00	6.50	0.00	1.50	3.57
21"	0.50	13.50	11.25	2.25	7.25	0.00	1.50	4.46
24"	0.50	15.00	12.50	2.50	8.00	0.00	1.50	5.44
30"	0.50	18.00	15.00	3.00	9.50	0.00	1.50	7.71
36"	0.50	21.00	17.50	3.50	11.00	0.00	1.50	10.37
42"	0.50	24.00	20.00	4.00	12.50	0.00	1.50	13.42
48"	0.50	27.00	22.50	4.50	14.00	0.00	1.50	16.87
54"	0.50	30.00	25.00	5.00	15.50	0.00	1.50	20.70
60"	0.50	33.00	27.50	5.50	17.00	0.00	1.50	24.93
66"	0.50	36.00	30.00	6.00	18.50	0.00	1.50	29.55
72"	0.50	39.00	32.50	6.50	20.00	0.00	1.50	34.56
84"	0.50	45.00	37.50	7.50	23.00	0.00	1.50	45.76

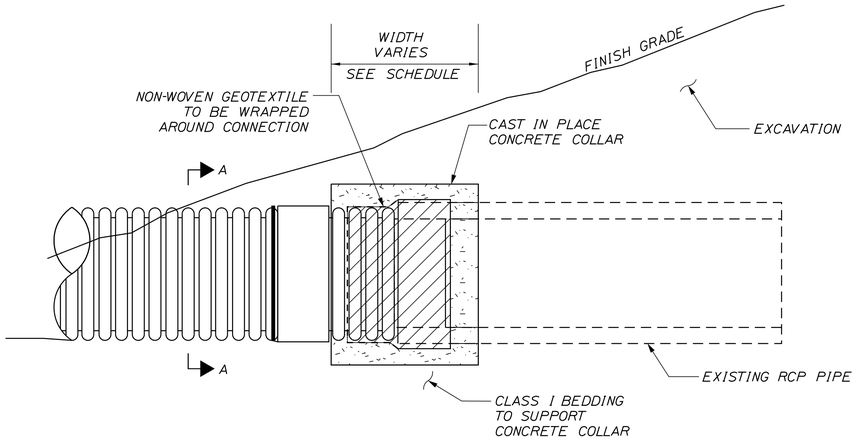
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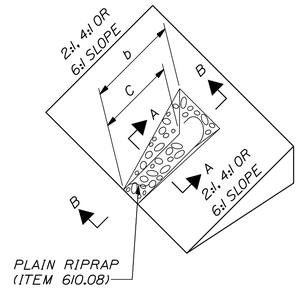
1. THE DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED BY THE RESIDENT.
2. STONE QUANTITIES ARE FOR ONE END OF THE PIPE.

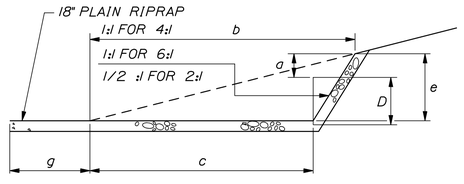
NOTES:

1. EXCAVATION TO REMOVE EXISTING RCP PIPE SHALL BE INCIDENTAL TO THE PROPOSED PIPE INSTALLATION.
2. BACKFILL EXCAVATION WITH GRANULAR BORROW AFTER INSTALLATION OF PIPE. FINISH AREAS ADJACENT TO EXCAVATION WITH 4" LOAM, FERTILIZER, SEED AND COVER WITH EROSION CONTROL MATTING.
3. CONNECT PROPOSED OPTION III DRAIN PIPE TO EXISTING RCP PIPE UTILIZING DUAL WALL ADAPTER AND CONCRETE COLLAR.
4. DUAL WALL ADAPTER AND CONCRETE COLLAR WILL NOT BE PAID FOR SEPERATELY, AND WILL BE CONSIDERED INCIDENTAL TO RELATED 603 ITEMS.
5. INSTALL NEW OPTION III DRAIN PIPE WITH MINIMUM 0.5% SLOPE. TRIM EXCESS PIPE LENGTH OFF TO MATCH PIPE INVERT TO FINISHED GRADE OF INSLOPE.

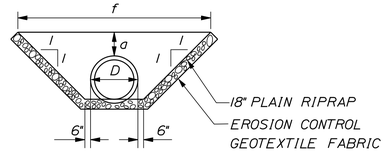






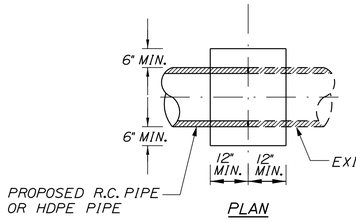


SECTION B-B

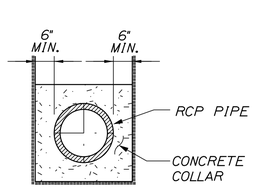


SECTION A-A

ROADWAY CULVERT END SLOPE TREATMENT



PLAN



SECTION

CONCRETE COLLAR

CONCRETE COLLAR WIDTH SCHEDULE	
PIPE DIA. (INCHES)	WIDTH OF CONC. (INCHES)
12	24
15	24
18	24
24	24
30	30
36	36
42	48
48	48

NOTES:

1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321 (CRUSHED STONE).
2. CONCRETE SHALL BE CLASS A FIBER REINFORCED.
3. SEE CONCRETE COLLAR WIDTH SCHEDULE FOR DIMENSIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	MTA	10/18
CHECKED-REVIEWED	TSK	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

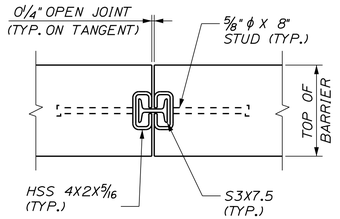
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DRAINAGE DETAILS

SHEET NUMBER
77
OF 230

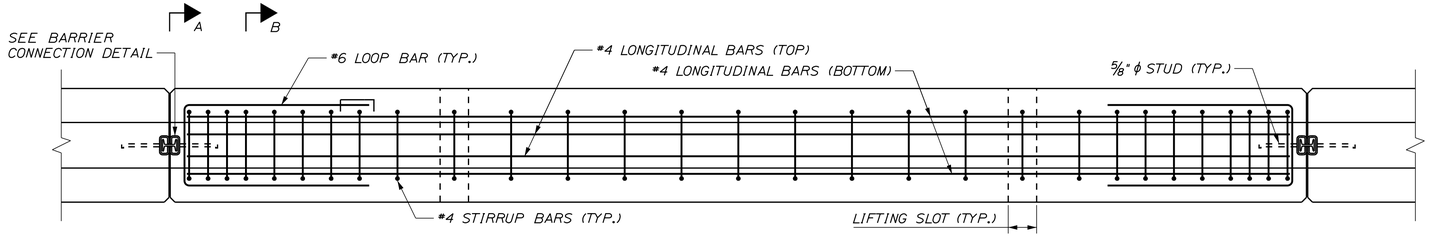
T-Y LIN INTERNATIONAL

Filename: ...\XXX_Drainage Details_02.dgn Username: Division: HIGHWAY Date:11/7/2018



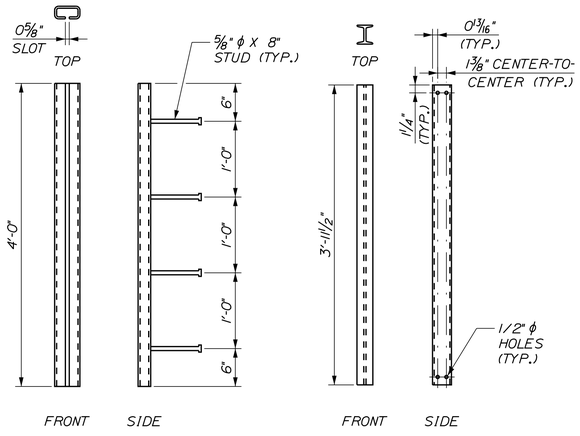
BARRIER CONNECTION DETAIL

SCALE: 1 1/2" = 1'-0"



PLAN

SCALE: 3/4" = 1'-0"

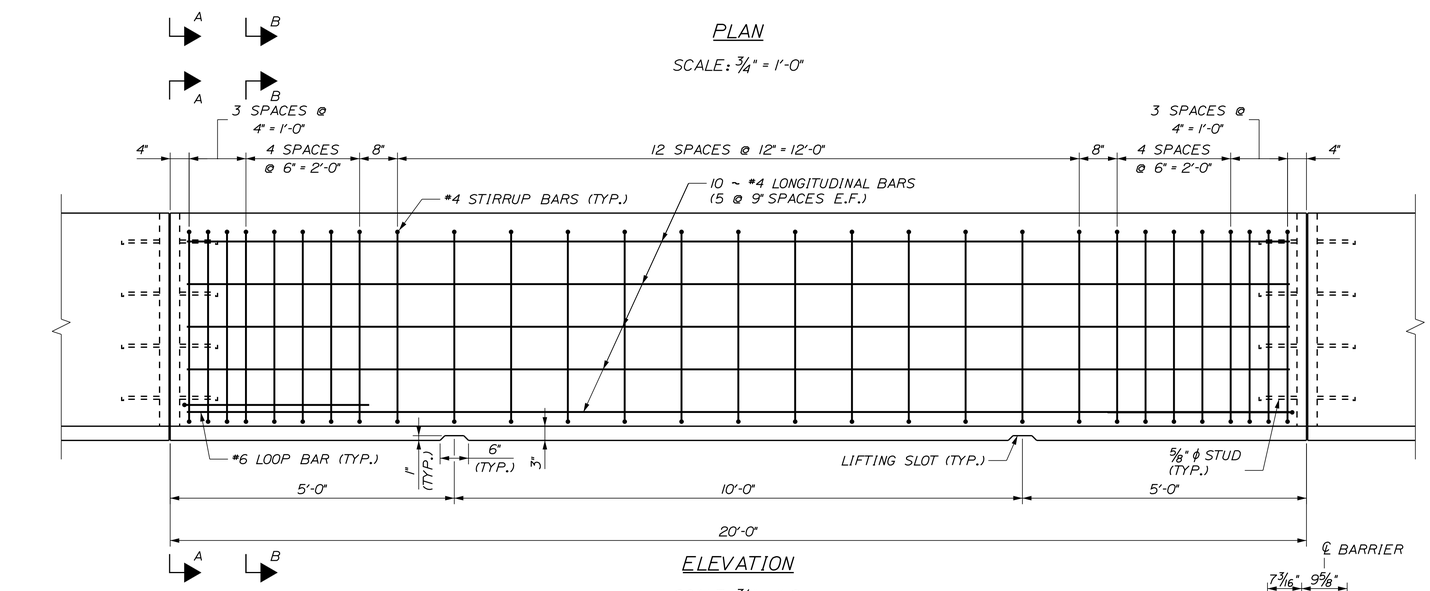


STRUCTURAL TUBE DETAILS

SCALE: 1" = 1'-0"

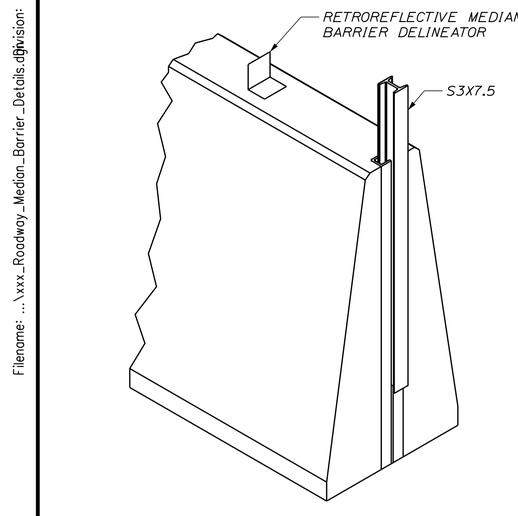
I-BEAM DETAILS

SCALE: 1" = 1'-0"



ELEVATION

SCALE: 3/4" = 1'-0"



PERSPECTIVE VIEW

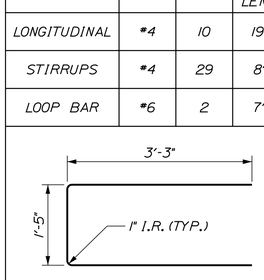
SCALE: 1" = 1'-0"

NOTES:

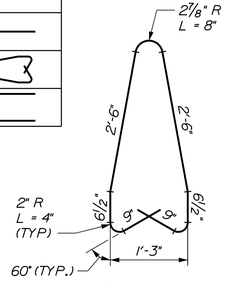
1. THE CONCRETE BARRIER DETAILS, AS SHOWN ON THIS SHEET, ARE IN COMPLIANCE WITH THE REQUIREMENTS OF NCHRP REPORT 350, TL-4.
2. I-BEAMS AND STRUCTURAL TUBES SHALL BE GALVANIZED AFTER FABRICATION.
3. EACH BARRIER UNIT SHALL INCLUDE ONE S3X7.5 AS SHOWN ON THIS PLAN SHEET.
4. SHOP DRAWINGS SHALL INCLUDE REINFORCEMENT SCHEDULE. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ANGLE POINTS IN BARRIER.
5. MEDIAN BARRIER SHALL BE PAID FOR UNDER APPROPRIATE 526 ITEMS.
6. BARRIERS SHALL BE LIGHT COLORED CLASS 'P' CONCRETE HAVING A MINIMUM 28 DAY COMPRESSION STRENGTH OF 4,500 PSI. BARRIERS SHALL HAVE A SMOOTH UNIFORM SURFACE FREE OF DEFECTS AND IRREGULARITIES. CASTING DATE SHALL BE SHOWN ON THE BARRIER. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" UNLESS OTHERWISE NOTED.
7. ALL REINFORCING STEEL SHALL BE AASHTO M31 (ASTM-A615) GRADE 60, EPOXY COATED. REINFORCEMENT SHOWN IS THE MINIMUM REQUIRED.
8. CLEAR PROTECTIVE COATING FOR CONCRETE SURFACES SHALL BE APPLIED ON-SITE AND APPROVED BY THE RESIDENT. COATING SHALL BE INCIDENTAL TO THE BARRIER.
9. PRECAST BARRIER AND TRANSITION SEGMENTS SHALL BE INSTALLED TANGENT TO THE CAST-IN-PLACE BARRIER INSTALLED ON THE BRIDGE. FOR BARRIER SETTING ELEVATIONS, SEE SHEET "GENERAL PLAN".

CONCRETE BARRIER REINFORCING SCHEDULE

DESCRIPTION	SIZE	NO.	UNBENT LENGTH	TYPE
LONGITUDINAL	#4	10	19'-8"	
STIRRUPS	#4	29	8'-11"	
LOOP BAR	#6	2	7'-11"	



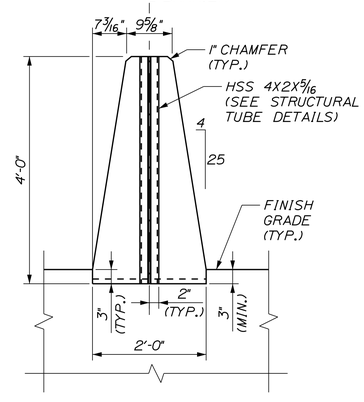
LOOP BAR



STIRRUPS

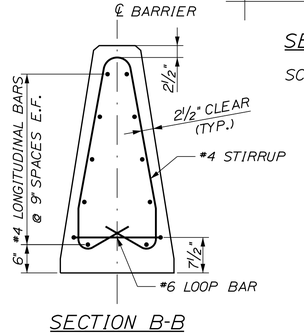
LEGEND:

E.F. = EACH FACE
N.F. = NEAR FACE
F.F. = FAR FACE



SECTION A-A

SCALE: 3/4" = 1'-0"



SECTION B-B

SCALE: 3/4" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	L. Petix	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2	D. Myers	9/18
DESIGN3-DETAILED3	D. Myers	9/18
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

RAODWAY MEDIAN BARRIER

SHEET NUMBER

78

OF 230

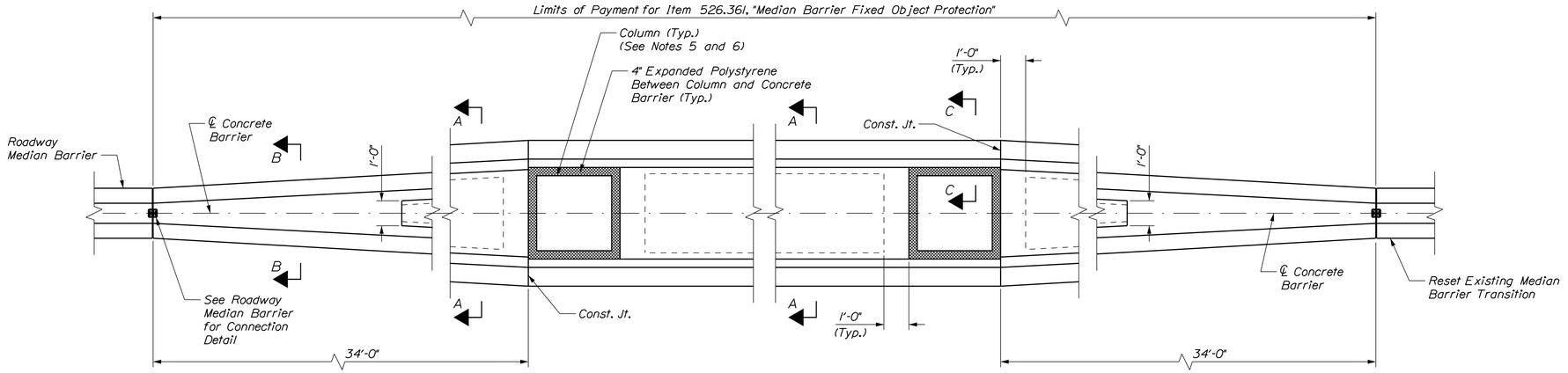
TYLIN INTERNATIONAL

Username:

Date:11/7/2018

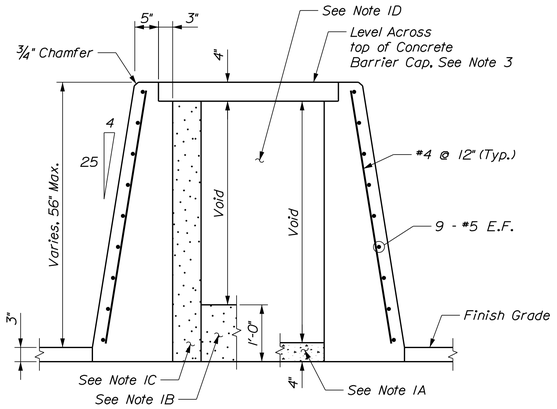
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division: HIGHWAY

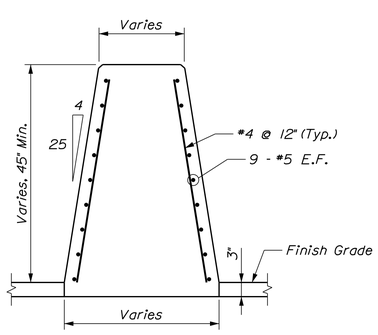


TRANSITION AT BRIDGE COLUMNS

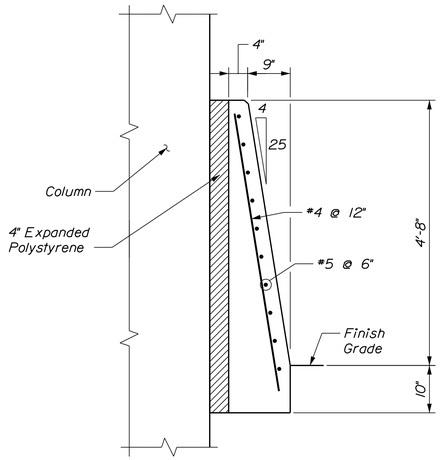
At Route 236 Underpass



SECTION A-A



SECTION B-B



SECTION C-C

NOTES:

1. Contractor options for fill between concrete barrier walls:
   A. Place 4" PCC at base between concrete barrier walls.
   B. Place 1'-0" of granular material at base between walls.
   C. Place granular material from base to bottom of 4" cap.
   D. Monolithic concrete with foam blockouts is not permitted.
2. Reinforcing steel shall extend continuous through construction joints.
3. Adjust height of concrete barrier wall on low side of offset or superelevated roadways to provide level grade across top of concrete barrier cap.
4. Install 1-inch diameter drain pipe every 20 ft. of voided cavity. Minimum 1 drain per cavity.
5. Sound and repair the lower 7'-0" of the existing bridge columns as directed by the Resident. Payment will be made under 518 items.
6. Apply protective coating for concrete surfaces to the lower 7'-0" of the existing bridge columns as directed by the resident. Payment will be incidental to Item 515.21, "Protective Coating for Concrete Surfaces".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	L. Petix	9/18
CHECKED-REVIEWED	B. Toothaker	B. Toothaker	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

ROADWAY MEDIAN BARRIER FIXED OBJECT PROTECTION

SHEET NUMBER

79

OF 230

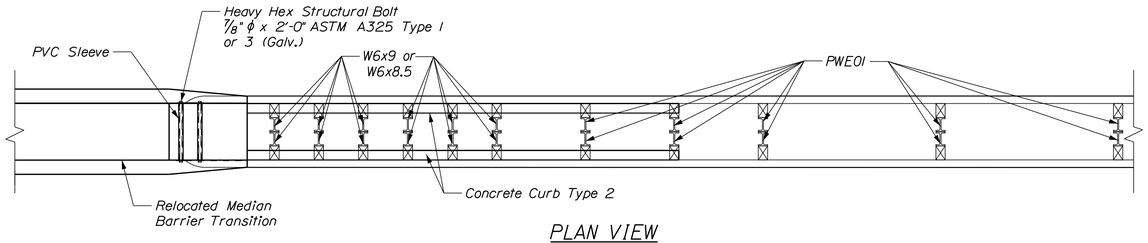
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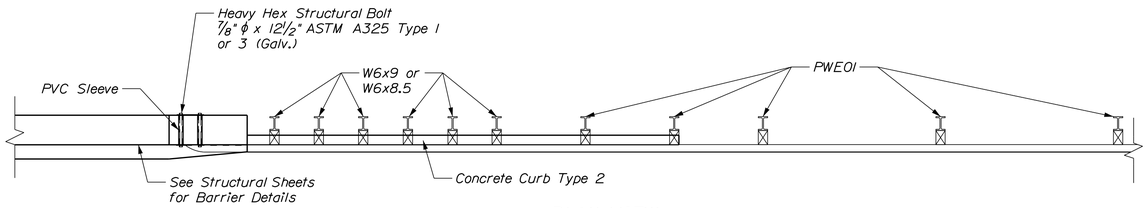
Filename: ...\MSTA\xxx_Bridge_Transition.DGN Division: HIGHWAY Username: Date:11/7/2018

GENERAL NOTES:

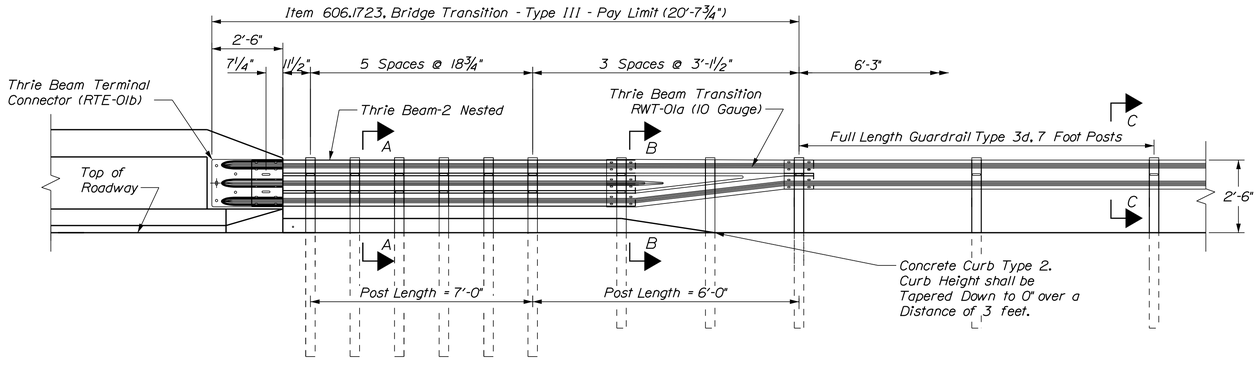
1. Additional holes may be made in the thrie-beam panels by drilling, punching, or other means that produce a neat, clean hole. Burning holes will not be allowed.
2. Thrie beam shall be placed with the composite blockout face in front of or directly above the curb face.
3. Rail element shall meet all requirements of AASHTO M-180 except as modified on the plans. The thrie beam transition to w-beam shall be of the same material, but shall not be less than 10 gauge.
4. All bolts shall have double nuts.
5. Standard barrier hardware has been used to develop these guardrail attachments. Designations provided in parenthesis relate to standard elements detailed in "A Guide to Standardized Barrier Rail Hardware," 1979, AASHTO-AGC-ARTBA joint cooperate committee.



PLAN VIEW
BRIDGE TRANSITION - TYPE III, MODIFIED
3/8" = 1'-0"



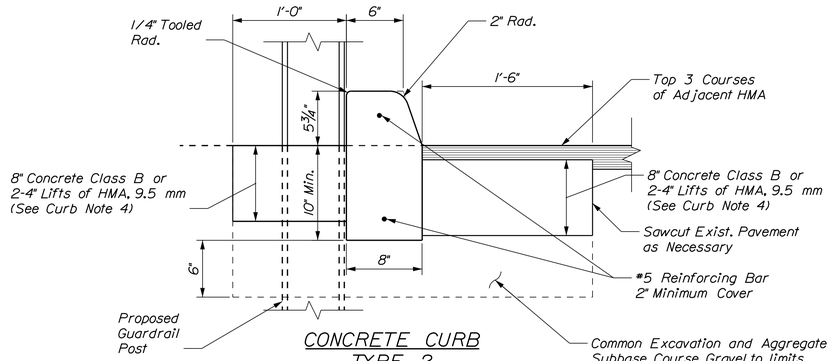
PLAN VIEW
BRIDGE TRANSITION - TYPE III
3/8" = 1'-0"



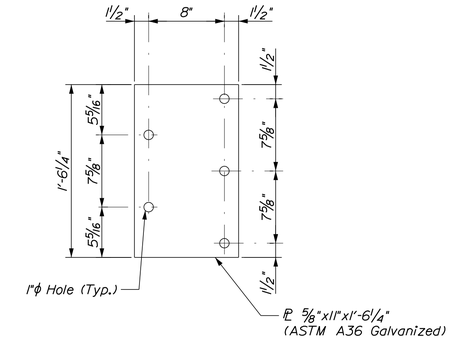
THRIE BEAM BRIDGE ATTACHMENT AT BRDIGE BARRIER
3/8" = 1'-0"

CURB NOTES:

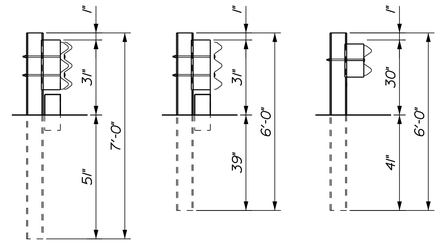
1. Curbing shall be either precast concrete, cast-in-place concrete or granite to meet dimensions shown on the plans. Curbing shall be paid under Item 609.191, Concrete Curb Type 2.
2. Concrete curbs used in conjunction with thrie-beam bridge transitions shall be Type 2. See details this sheet. Concrete curbs shall be continuous without drainage cuts.
3. Curb transitions shall be included for payment under Item 609.191, Concrete Curb Type 2.
4. Sawcutting existing pavement, concrete fill, and pavement to limits shown shall be incidental to Item 609.191.



CONCRETE CURB
TYPE 2
1 1/2" = 1'-0"



ANCHOR PLATE
1 1/2" = 1'-0"



SECTION A-A SECTION B-B SECTION C-C

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	D. Myers	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

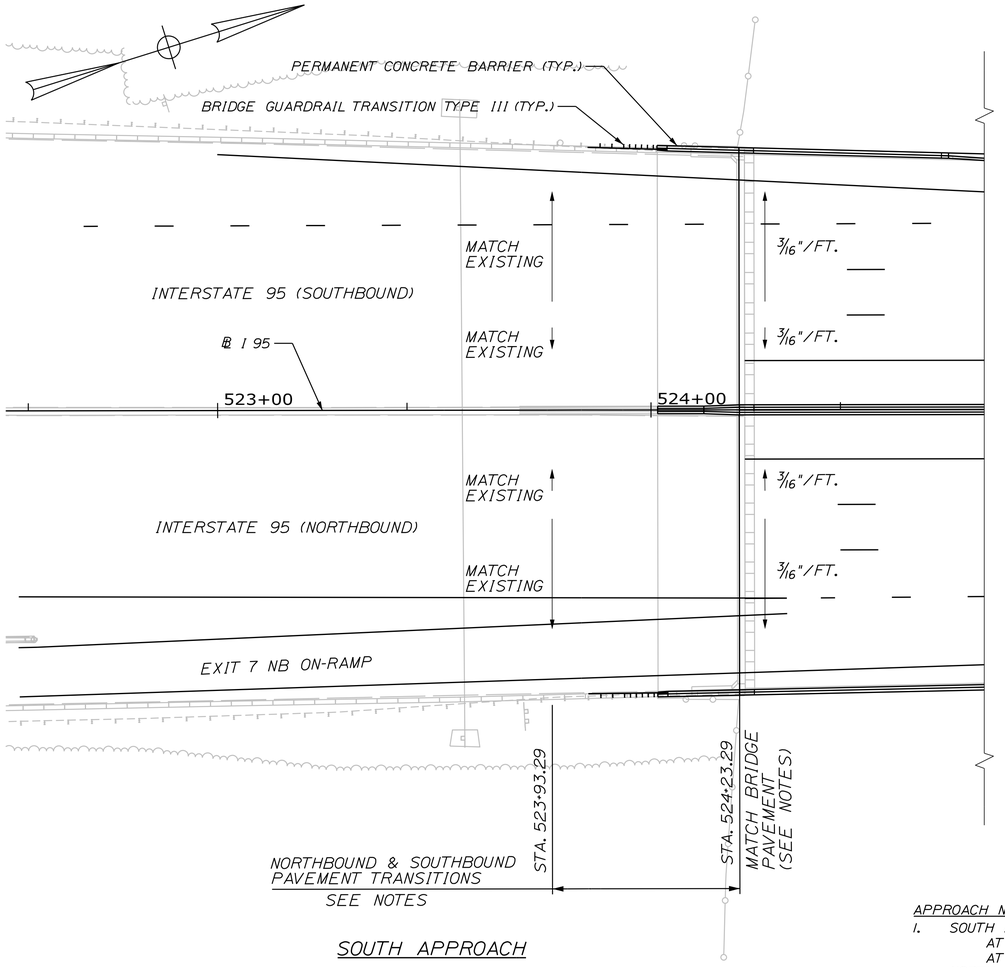
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BARRIER TRANSITION DETAILS

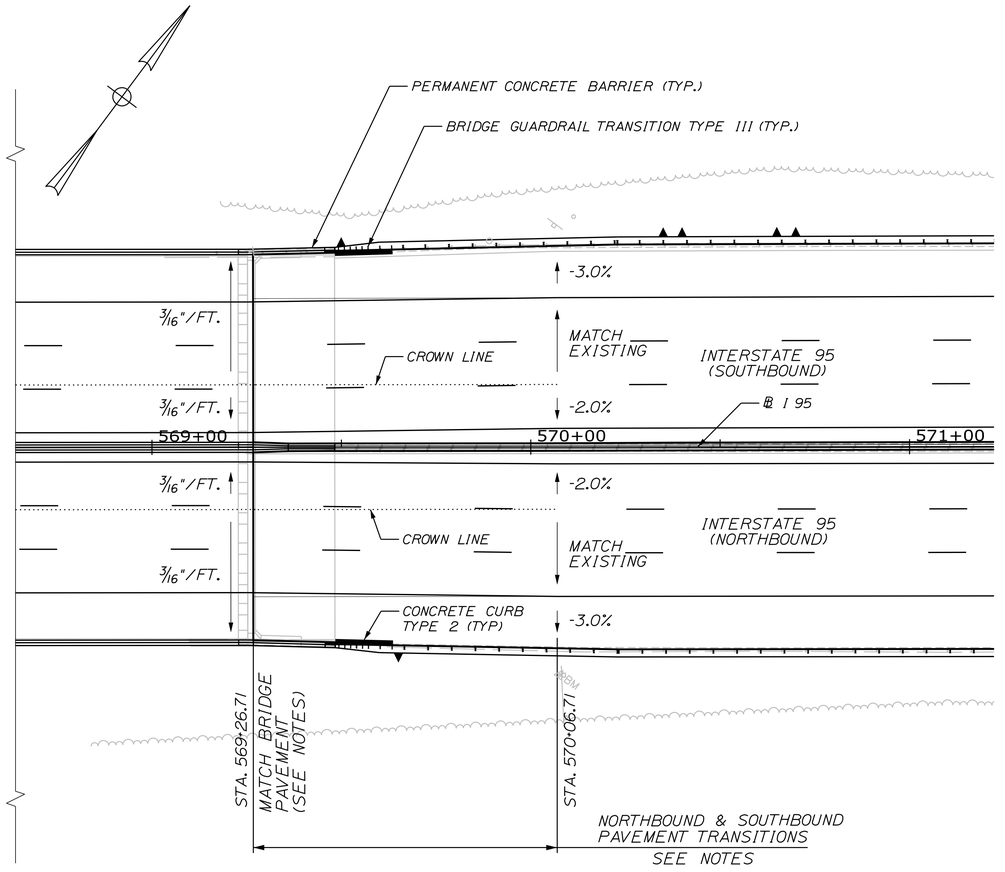
SHEET NUMBER
80
OF 230

T.Y.LIN INTERNATIONAL

Filename: ...\XXX_Highway_Approach_Details_01.dgn Division: HIGHWAY Username: Date:11/7/2018



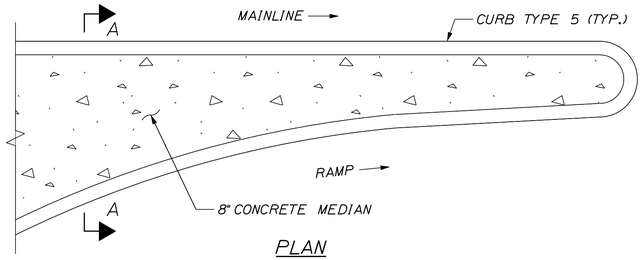
SOUTH APPROACH



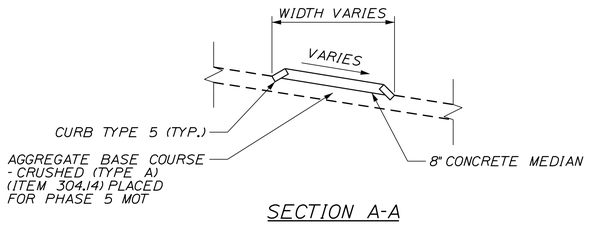
NORTH APPROACH

APPROACH NOTES:

1. SOUTH APPROACH: PAVEMENT TRANSITIONS FROM EXISTING APPROACH ELEVATIONS AT BEGINNING OF TAPER AND TRANSITIONS MEET PROPOSED BRIDGE ELEVATIONS AT BRIDGE JOINT.
   NORTH APPROACH: PAVEMENT TRANSITIONS FROM PROPOSED BRIDGE ELEVATIONS AT BRIDGE JOINT AND TRANSITIONS TO PROPOSED APPROACH ELEVATIONS AT END OF TAPER SHOWN.
2. SEE BRIDGE PLANS FOR ADDITIONAL INFORMATION.
3. SEE "OVERLAY, SIGNING & STRIPING" PLANS FOR PAVING, PAVEMENT MARKING AND SIGNING INFORMATION.



PLAN



SECTION A-A

EXIT 7 CONCRETE MEDIAN DETAIL

CONCRETE MEDIAN NOTES:

CONTRACTOR SHALL SURVEY EXISTING CONCRETE MEDIAN PRIOR TO REMOVAL FOR PHASE 5 MOT. RECONSTRUCTION OF MEDIAN SHALL INCLUDE EXPANSION JOINTS AND DELINEATORS. EXISTING GRANITE CURB WILL BE RESET. ALL ASSOCIATED WORK TO BE PAID UNDER ITEM 608.07 PLAIN CONCRETE SIDEWALK.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

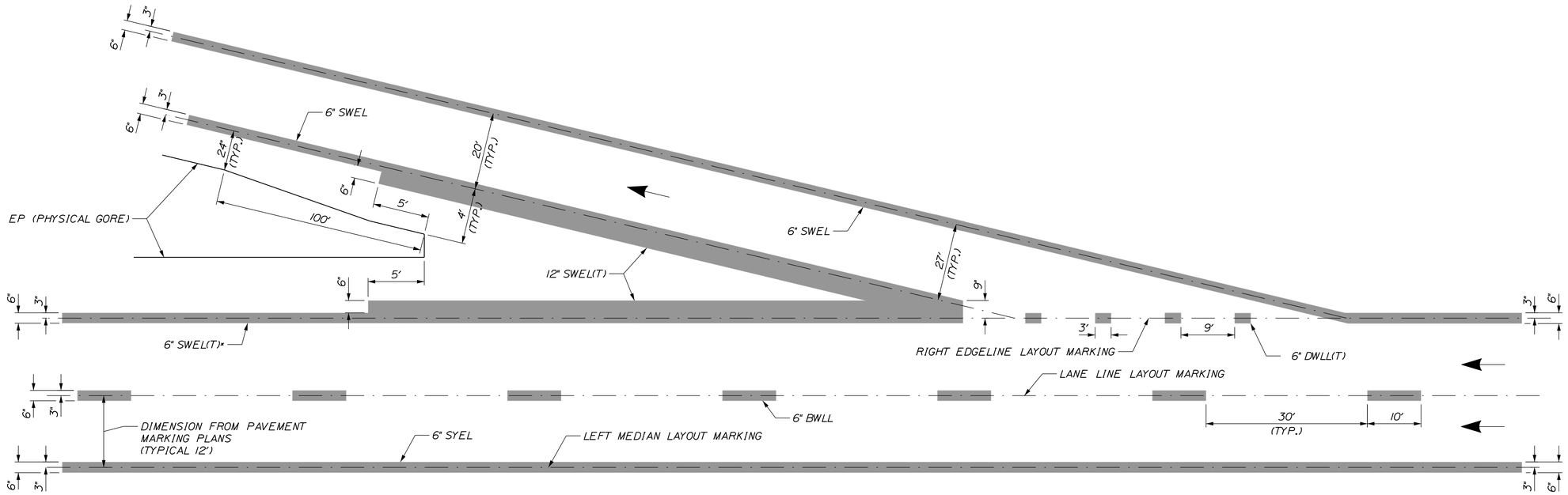
HIGHWAY APPROACH DETAILS

SHEET NUMBER

81

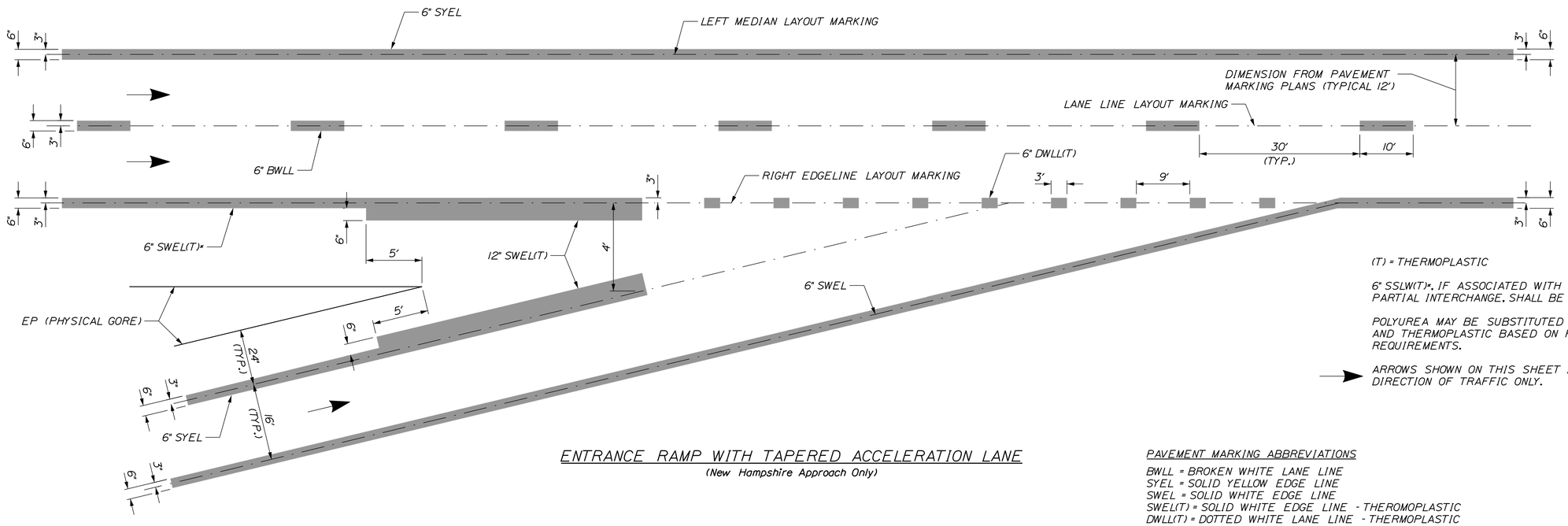
OF 230

TY LIN INTERNATIONAL



EXIT RAMP WITH TAPERED DECELERATION LANE

(New Hampshire Approach Only)



ENTRANCE RAMP WITH TAPERED ACCELERATION LANE

(New Hampshire Approach Only)

(T) = THERMOPLASTIC

6" SSLW(T)*. IF ASSOCIATED WITH A PARTIAL INTERCHANGE. SHALL BE PAINT.

POLYUREA MAY BE SUBSTITUTED FOR PAINT AND THERMOPLASTIC BASED ON PROJECT REQUIREMENTS.

ARROWS SHOWN ON THIS SHEET INDICATE DIRECTION OF TRAFFIC ONLY.

PAVEMENT MARKING ABBREVIATIONS

BWLL = BROKEN WHITE LANE LINE
SYEL = SOLID YELLOW EDGE LINE
SWEL = SOLID WHITE EDGE LINE
SWEL(T) = SOLID WHITE EDGE LINE - THEROMOPLASTIC
DWLL(T) = DOTTED WHITE LANE LINE - THERMOPLASTIC

TYLIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER : Leanne Timberlake		
DESIGN-DETAILED	T.Kelley	10/18
CHECKED-REVIEWED	T.Kelley	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

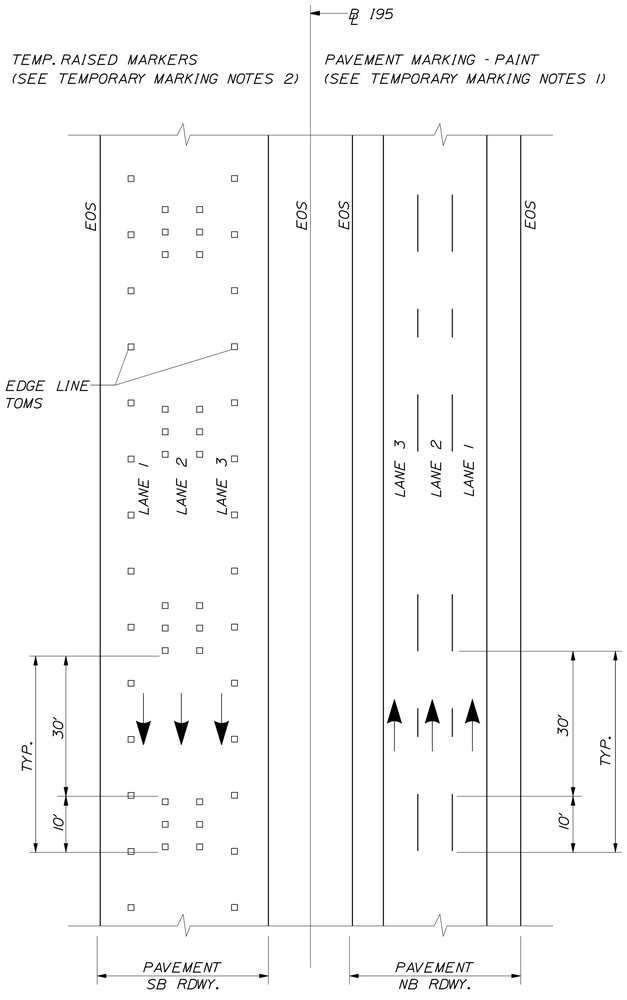
STRIPING DETAILS
SHEET 1 OF 3

SHEET NUMBER

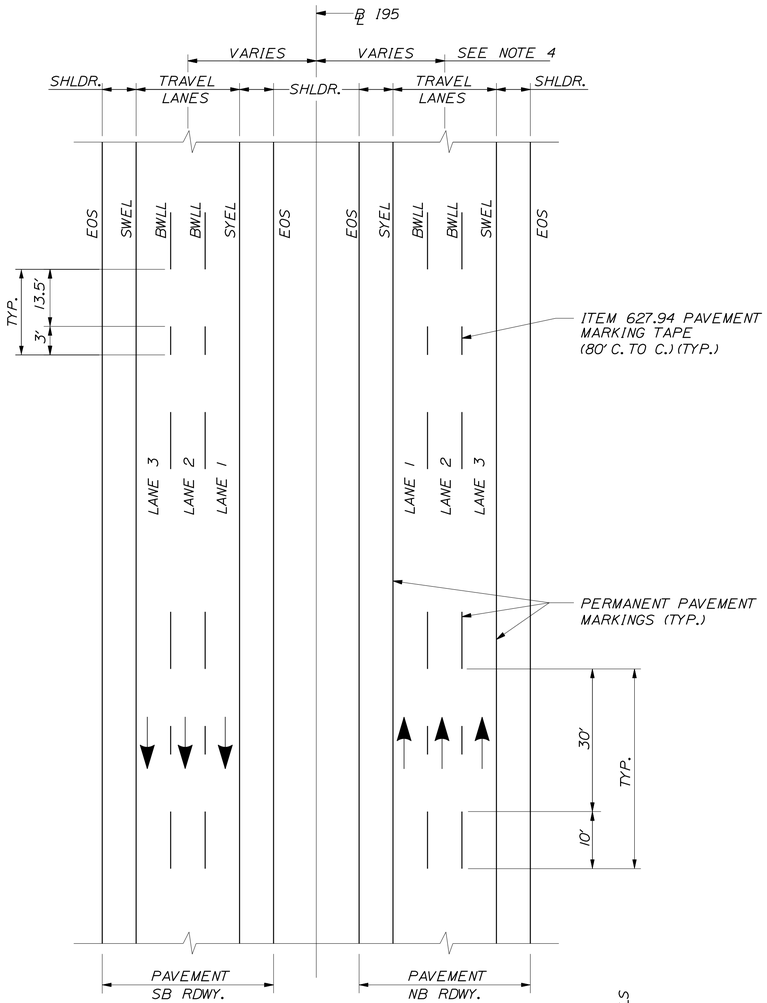
82

OF 230

Username:
Division: HIGHWAY
Date:11/7/2018
Filename: ...\XXX_Striping_Details_1.dgn



TEMP. PAVEMENT MARKINGS
MULTI LANE ROADWAY



PERMANENT PAVEMENT MARKINGS
MULTI LANE ROADWAY

LEGEND

SYEL = SOLID YELLOW EDGE LINE (6" PAINT)

SWEL = SOLID WHITE EDGE LINE (6" PAINT)

BWLL = BROKEN WHITE LANE LINE (6" PAINT)

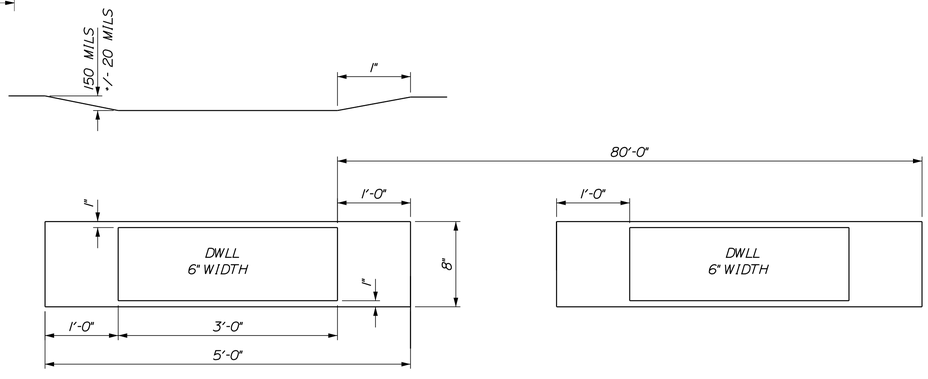
EOS = EDGE OF SHOULDER

NOTES:

1. PERMANENT PAVEMENT MARKINGS SHALL BE 6" WIDE LINES AND MEASURED TO THE CENTER.
2. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ON BOTH NOTHBOUND AND SOUTHBOUND ROADWAYS.
3. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.94 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
4. SEE OVERLAY, SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.

TEMPORARY MARKING NOTES:

1. TEMPORARY PAVEMENT MARKINGS ON MILLED PAVEMENT SHALL BE 6" SOLID WHITE, BROKEN WHITE, AND SOLID YELLOW PAINT LINES.
2. TEMPORARY PAVEMENT MARKINGS ON NEW HMA 12.5MM, OR SHIM MATERIAL, SHALL BE TEMPORARY RAISED PAVEMENT MARKERS. "SOLID" WHITE AND "SOLID" YELLOW LANE LINES SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED AT 10'-0" C. TO C. "BROKEN" WHITE LANE LINES SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED 5'-0" C. TO C. EVERY 40'-0". TEMPORARY 6" PAVEMENT MARKING TAPE SHALL BE USED ON RADII ON SURFACE PAVEMENT. A 3' PIECE EVERY 40'.
3. SEE MAINTENANCE OF TRAFFIC PLANS FOR ADDITIONAL INFORMATION.



ITEM 627.94 PAVEMENT
MARKING LINES DETAIL
N.T.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER : Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TSK	RPK 10/18
CHECKED-REVIEWED	TSK	HEC 10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

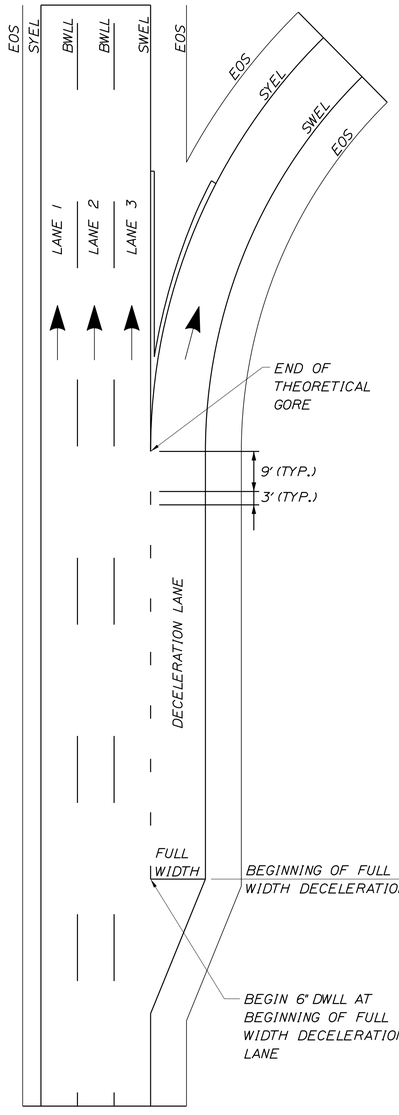
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

STRIPING DETAILS
2 OF 3

SHEET NUMBER
83
OF 230

TYLIN INTERNATIONAL

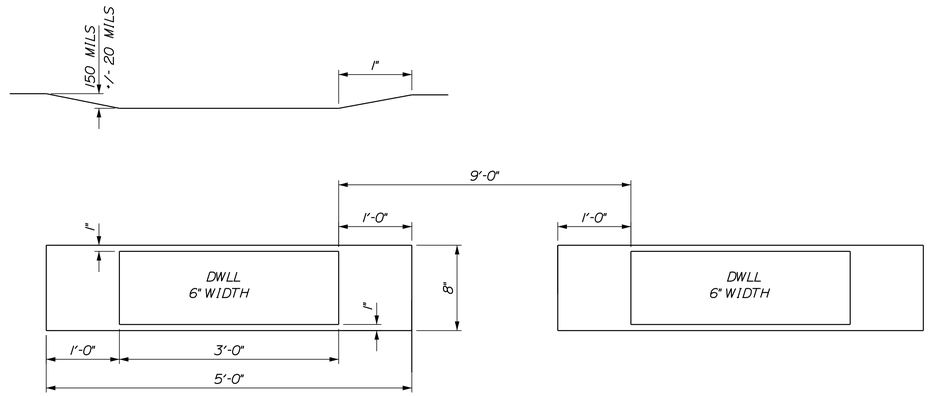
Username:
Date:11/7/2018
Division: HIGHWAY
Filename: ...\XXX_Striping_Details_2.dgn



DEPARTING RAMP

PERMANENT PAVEMENT MARKINGS WITH TAPE

(ITEM 627.941 PAVEMENT MARKING TAPE - DOTTED WHITE LANE LINE, 6-INCH WHITE)



ITEM 627.941 PAVEMENT MARKING TAPE - DOTTED WHITE LANE LINE, 6 INCH WIDE

GROOVING DETAIL
NTS

ITEM 627.941 - PAVEMENT MARKING TAPE - DWLL
INSTALLATION LOCATIONS

LOCATION	LANE TYPE	BEGIN (STA)	END (STA)	LENGTH (LF)	LENGTH OF TAPE (LF)
NEW HAMPSHIRE					
EXIT 7 (SB)	DECEL LANE	522+56	524+17	161	16
MAINE					
*EXIT 1 (NB)	DECEL LANE	579+88	582+52	265	66
*EXIT 1 (NB)	DECEL LANE	583+51	585+14	164	42
EXIT 2 (NB)	DECEL LANE	596+20	601+50	532	135
EXIT 3 (NB)	DECEL LANE	610+89	616+26	537	135
TOTAL					394

* NO STRIPING TO BE APPLIED ACROSS EXISTING DENNETT ROAD BRIDGE

LEGEND

SYEL = SOLID YELLOW EDGE LINE (6" PAINT)

SWEL = SOLID WHITE EDGE LINE (6" PAINT)

BWLL = BROKEN WHITE LANE LINE (6" PAINT)

EOS = EDGE OF SHOULDER

NOTES:

1. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.941 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
2. ON DEPARTING RAMPS, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE FULL WIDTH DECELERATION LANE AND EXTEND TO THE THEORETICAL GORE MARKINGS.
3. ITEM 627.941 PAVEMENT MARKING TAPE FOR DWLL SHALL BE INSTALLED IN AN "IN-AND-OUT" GROOVING PATTERN. SEE DETAIL THIS SHEET.
4. CONTRACTOR SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF THE TAPE. ANY CHANGES TO INSTALLATION PROCEDURES SHALL BE APPROVED THE RESIDENT ENGINEER.
5. SEE OVERLAY, SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED		RPK	10/18
CHECKED-REVIEWED		TSK	10/18
DESIGN2-DETAILED2		TSK	
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

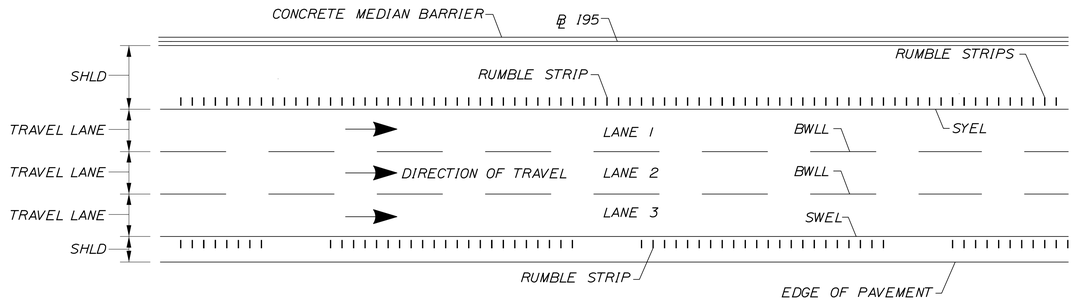
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

STRIPING DETAILS
3 OF 3

SHEET NUMBER
84
OF 230

T.Y.LIN INTERNATIONAL

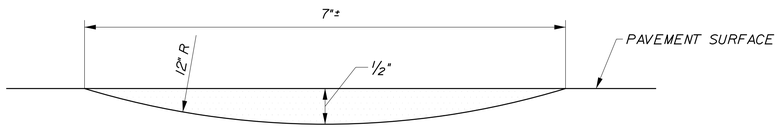
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LOCATION OF RUMBLE STRIPS
N.T.S.

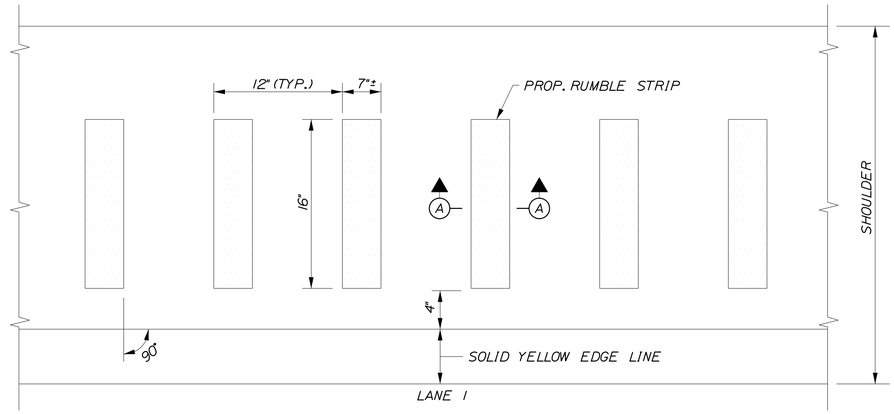
NOTE:

INSTALL LANE 3 RUMBLE STRIPS WITH A 20' GAP EVERY 100'. (I.E. 80' OF RUMBLE STRIP AND 20' OF NO RUMBLE STRIP; REPEAT...)



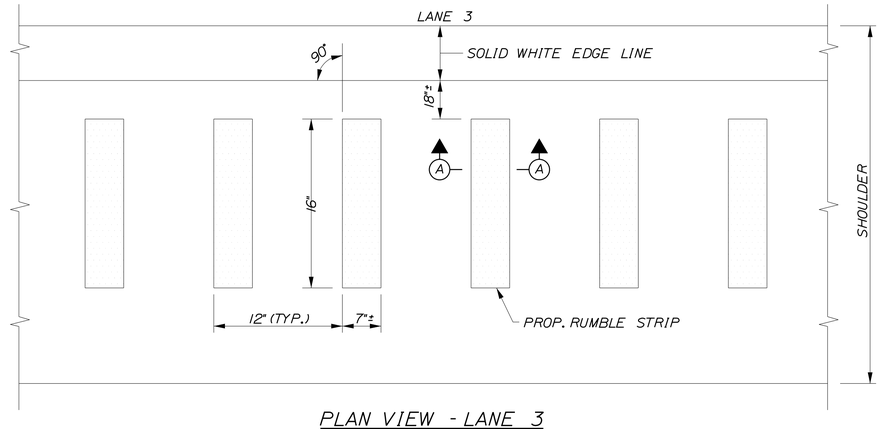
SECTION A-A
N.T.S.

DIRECTION	STATION	TO STATION	LANE 1 RUMBLE STRIPS (LF)	LANE 3 RUMBLE STRIPS (LF)
NB	508+00.0	511+62.0	362	-
NB	508+00.0	511+74.0	-	374
NB	512+49.5	524+23.0	1174	-
NB	512+63.0	522+52.0	-	989
SB	518+00.0	524+23.0	623	-
SB	518+00.0	520+42.5	-	243
NB	569+26.5	582+65.5	1339	-
SB	569+26.5	582+73.5	1347	-
NB	583+64.5	621+00.0	3736	-
SB	583+73.5	624+00.0	4027	-
SB	600+63.0	624+00.0	-	2337
NB	618+75.0	621+00.0	-	225



PLAN VIEW - LANE 1
N.T.S.

DIRECTION OF TRAVEL



PLAN VIEW - LANE 3
N.T.S.

RUMBLE STRIP DETAILS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TSK	10/18
CHECKED-REVIEWED	RPK	10/18
DESIGN2-DETAILED2	TSK	HEC
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

RUMBLE STRIP DETAILS

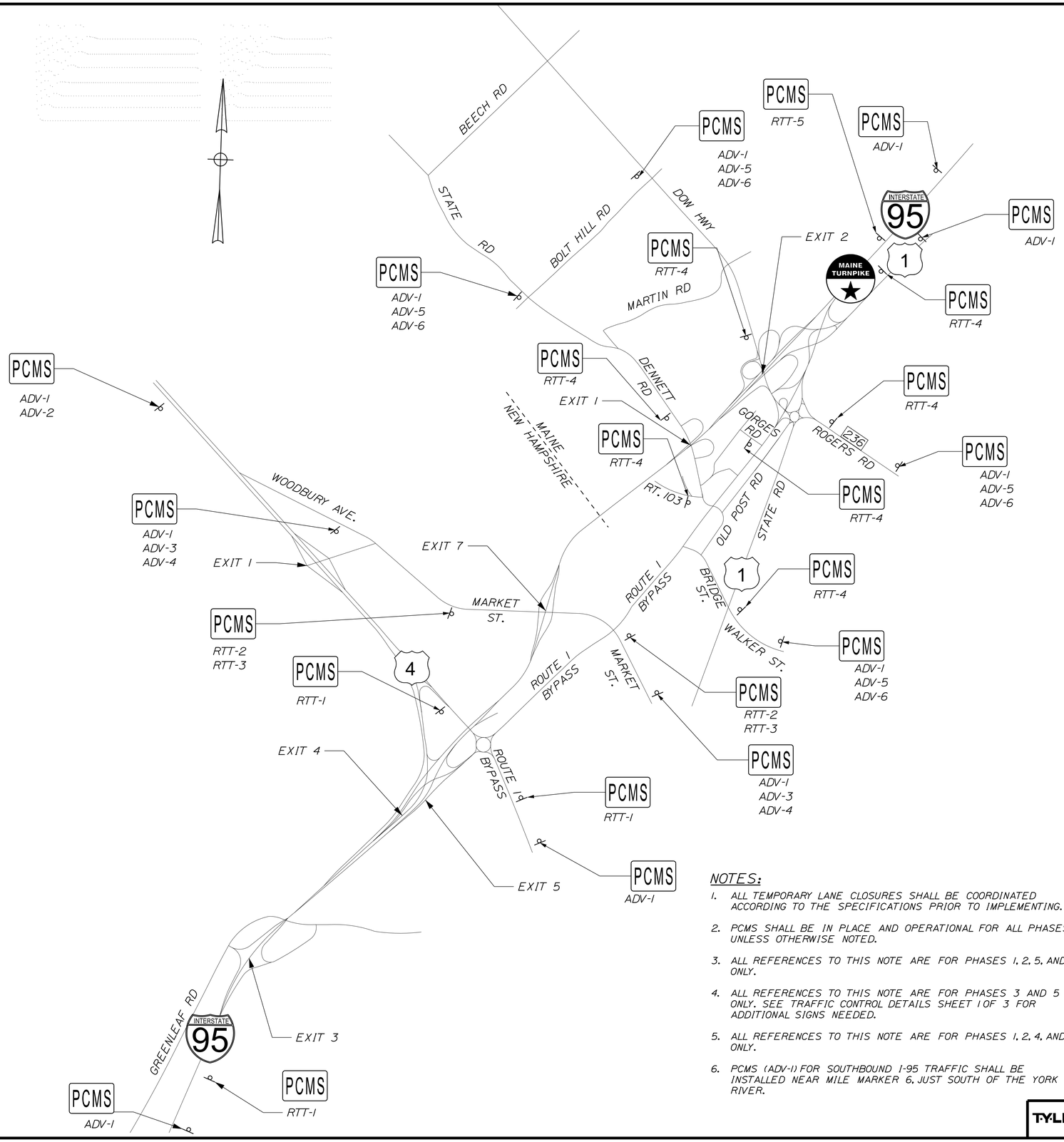
SHEET NUMBER
85
OF 230

TY LIN INTERNATIONAL

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\XXX_Rumble_Strip_Details.dgn

	MESSAGES:		
PCMS	SCREEN 1	SCREEN 2	REMARKS:
RTT-1	ME VIA I-95 XX MIN	ME VIA 1 BYPASS XX MIN	ALL PHASES
RTT-2	ME VIA I-95 XX MIN	ME VIA 1 BYPASS XX MIN	SEE NOTE 5
RTT-3	ME VIA I-95 SB XX MIN	ME VIA 1 BYPASS XX MIN	SEE NOTE 4
RTT-4	NH VIA I-95 XX MIN	NH VIA 1 BYPASS XX MIN	ALL PHASES
RTT-5	XX MIN TO NH		ALL PHASES

ADV-1	I-95 CONST AHEAD	AT ME-NH BORDER	SEE NOTES 2 AND 6
ADV-2	I-95 NB EXIT 7 CLOSED	SEEK ALT ROUTE	SEE NOTE 4
ADV-3	I-95 NB RAMP CLOSED	XX/XX TO XX/XX	ONE WEEK PRIOR TO CLOSURE
ADV-4	I-95 NB RAMP CLOSED	SEEK ALT ROUTE	SEE NOTE 4
ADV-5	I-95 SB DENNETT CLOSED	XX/XX TO XX/XX	ONE WEEK PRIOR TO CLOSURE
ADV-6	I-95 SB DENNETT CLOSED	SEEK ALT ROUTE	SEE NOTE 3



ABBREVIATIONS

ADV = ADVANCE
PCMS= PORTABLE CHANGEABLE MESSAGE SIGN
RTT = REAL-TIME TRAFFIC

NOTES:

1. *ALL TEMPORARY LANE CLOSURES SHALL BE COORDINATED ACCORDING TO THE SPECIFICATIONS PRIOR TO IMPLEMENTING.*
2. *PCMS SHALL BE IN PLACE AND OPERATIONAL FOR ALL PHASES UNLESS OTHERWISE NOTED.*
3. *ALL REFERENCES TO THIS NOTE ARE FOR PHASES 1, 2, 5, AND 6 ONLY.*
4. *ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 AND 5 ONLY. SEE TRAFFIC CONTROL DETAILS SHEET 1 OF 3 FOR ADDITIONAL SIGNS NEEDED.*
5. *ALL REFERENCES TO THIS NOTE ARE FOR PHASES 1, 2, 4, AND 6 ONLY.*
6. *PCMS (ADV-1) FOR SOUTHBOUND I-95 TRAFFIC SHALL BE INSTALLED NEAR MILE MARKER 6, JUST SOUTH OF THE YORK RIVER.*

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

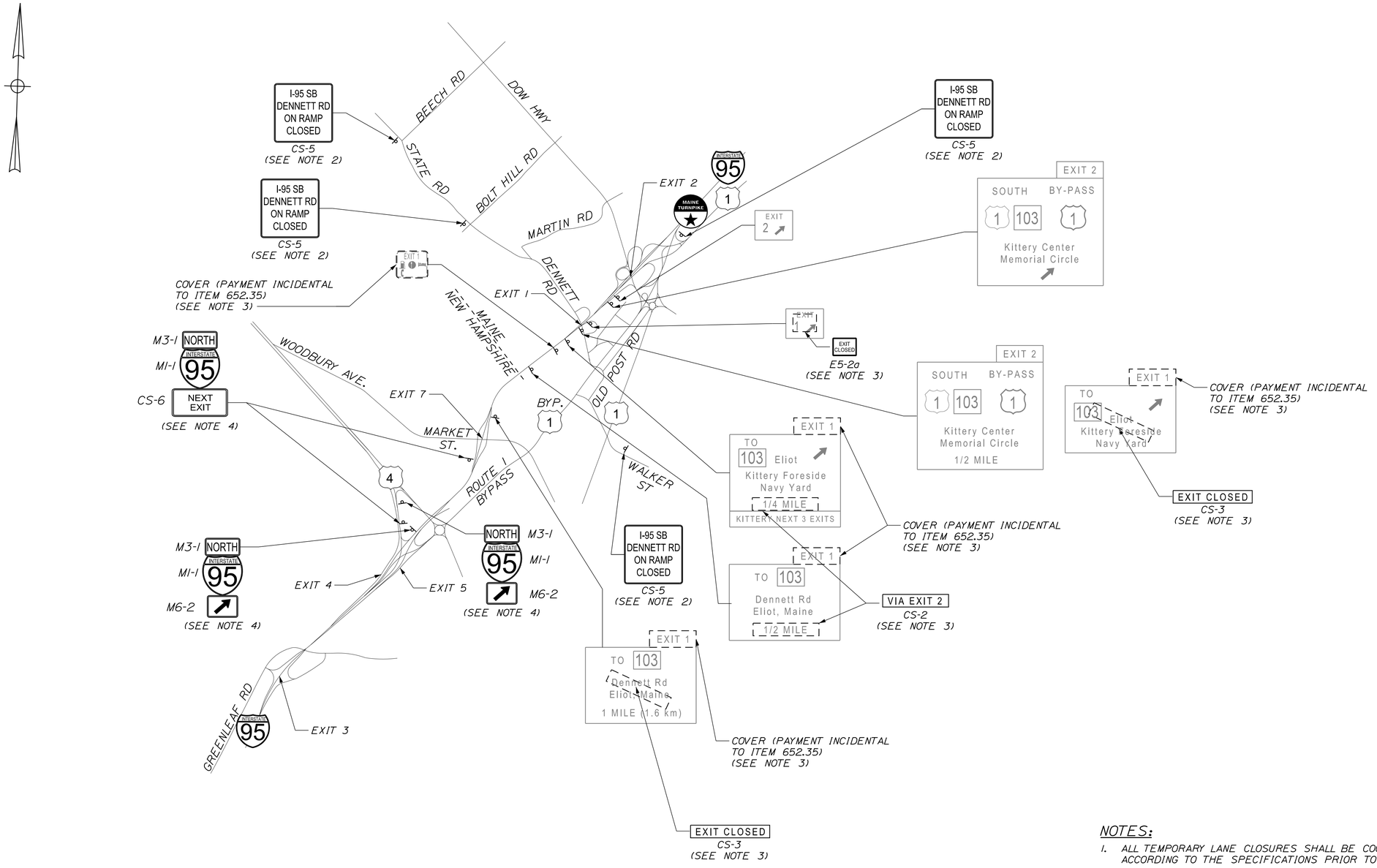
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DYNAMIC SIGNING

SHEET NUMBER
86
OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\MSTA\XXX_Dynamic_Signing-1.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:

1. ALL TEMPORARY LANE CLOSURES SHALL BE COORDINATED ACCORDING TO THE SPECIFICATIONS PRIOR TO IMPLEMENTING.
2. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 1, 2, 5, AND 6 ONLY.
3. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 TO 6 ONLY.
4. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 AND 5 ONLY.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

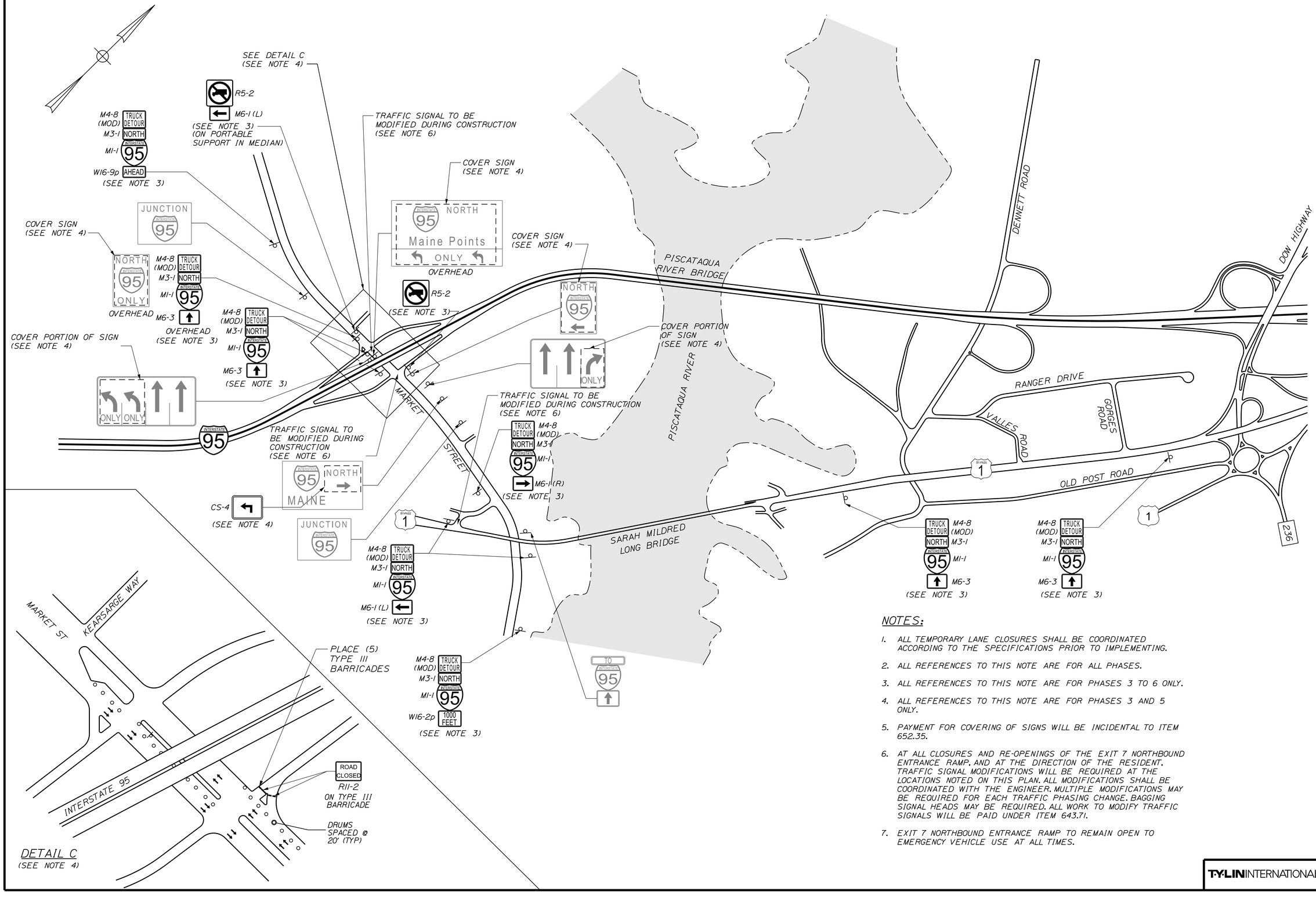
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

TRAFFIC CONTROL DETAILS
SHEET 1 OF 3

SHEET NUMBER
87
OF 230

TYLIN INTERNATIONAL

Filename: ...\XXX_Traffic_Control_Details_1.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:

1. ALL TEMPORARY LANE CLOSURES SHALL BE COORDINATED ACCORDING TO THE SPECIFICATIONS PRIOR TO IMPLEMENTING.
2. ALL REFERENCES TO THIS NOTE ARE FOR ALL PHASES.
3. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 TO 6 ONLY.
4. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 AND 5 ONLY.
5. PAYMENT FOR COVERING OF SIGNS WILL BE INCIDENTAL TO ITEM 652.35.
6. AT ALL CLOSURES AND RE-OPENINGS OF THE EXIT 7 NORTHBOUND ENTRANCE RAMP. AND AT THE DIRECTION OF THE RESIDENT. TRAFFIC SIGNAL MODIFICATIONS WILL BE REQUIRED AT THE LOCATIONS NOTED ON THIS PLAN. ALL MODIFICATIONS SHALL BE COORDINATED WITH THE ENGINEER. MULTIPLE MODIFICATIONS MAY BE REQUIRED FOR EACH TRAFFIC PHASING CHANGE. BAGGING SIGNAL HEADS MAY BE REQUIRED. ALL WORK TO MODIFY TRAFFIC SIGNALS WILL BE PAID UNDER ITEM 643.71.
7. EXIT 7 NORTHBOUND ENTRANCE RAMP TO REMAIN OPEN TO EMERGENCY VEHICLE USE AT ALL TIMES.

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

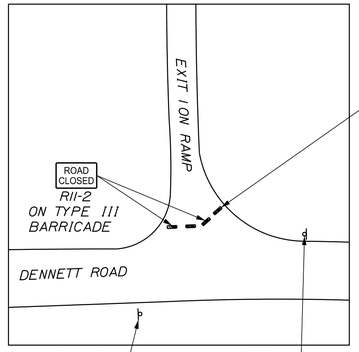
TRAFFIC CONTROL DETAILS
SHEET 2 OF 3

SHEET NUMBER

88

OF 230

Filename: ...\XXX_Traffic_Control_Details_2.dgn Division: HIGHWAY Username: Date:11/7/2018



PLACE (4) TYPE III BARRICADES

COVER (PAYMENT INCIDENTAL TO ITEM 652.35)

DETAIL A
(SEE NOTE 2)

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

EXIT 1 SOUTHBOUND ON RAMP CLOSED (SEE NOTE 2)

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

SEE DETAIL A (SEE NOTE 2)

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

DENNETT ROAD

DOW HIGHWAY

M6-1 (L)

COVER M6-1 (R) (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

SEE DETAIL B

EXIT CLOSED
E5-2a
(SEE NOTE 3)

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

EXIT 1 NORTHBOUND OFF RAMP CLOSED (SEE NOTE 3)

RANGER DRIVE

GORGES ROAD

OLD POST ROAD

MEMORIAL BRIDGE

COVER (PAYMENT INCIDENTAL TO ITEM 652.35) (SEE NOTE 2)

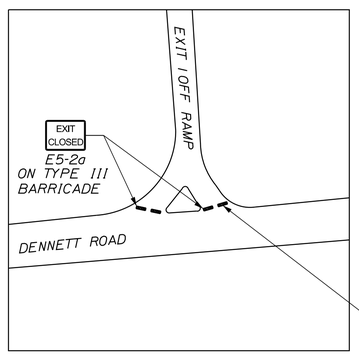
KITTERY

BY-PASS

NORTH
KITTERY MALL RD.

NORTH
TO: NORTH MASS

SOUTH NORTH
N.H. MASS



PLACE (4) TYPE III BARRICADES

DETAIL B
(SEE NOTE 3)

NOTES:

1. ALL TEMPORARY LANE CLOSURES SHALL BE COORDINATED ACCORDING TO THE SPECIFICATIONS PRIOR TO IMPLEMENTING.
2. UNLESS OTHERWISE NOTED, THIS PERTAINS TO PHASES 1, 2, 5 AND 6 ONLY.
3. ALL REFERENCES TO THIS NOTE ARE FOR PHASES 3 TO 6 ONLY.
4. ALL REFERENCES TO THIS NOTE ARE FOR ALL PHASES.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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CHECKED-REVIEWED	KSD	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	SAM	10/18
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REVISIONS 4		
FIELD CHANGES		

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

TRAFFIC CONTROL DETAILS
SHEET 3 OF 3

SHEET NUMBER
89
OF 230

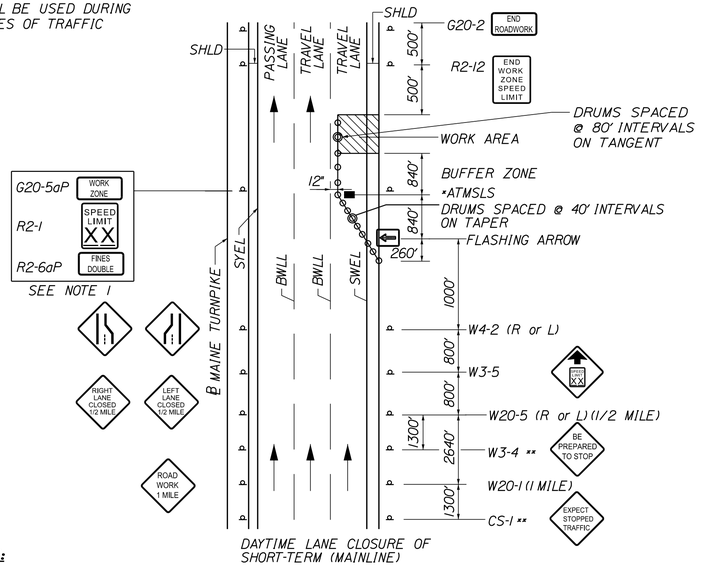
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Filename: ...\XXX_Traffic_Control_Details_3.dgn Division: HIGHWAY Username: Date:11/7/2018

Filename: ...\XXX_General_Traffic_Control_Details_Division: HIGHWAY Username:
Date:11/7/2018

* AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN (ATMSLS)

** SIGN SHAL BE USED DURING STOPPAGES OF TRAFFIC

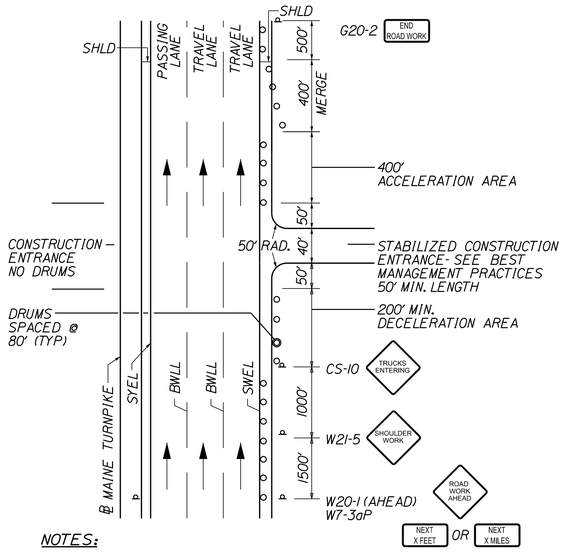


DAYTIME LANE CLOSURE OF SHORT-TERM (MAINLINE)

NOTES:

1. FOR EASEL SET UP ONLY. THIS SIGN IS NOT BRACKETED. ONE SIGN ASSEMBLY IS PLACED AT THE END OF THE TAPER.

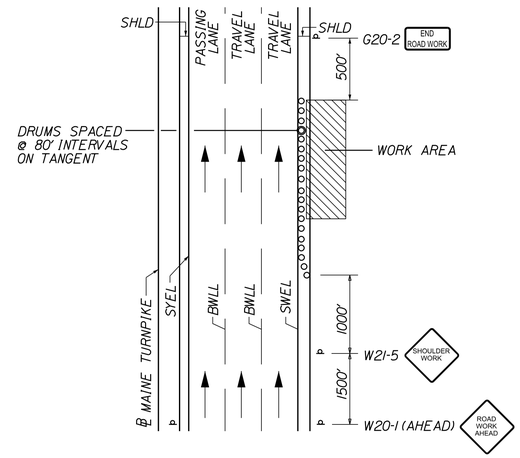
SINGLE LANE CLOSURE- SIGNS ON EASELS



NOTES:

1. SIGN G20-2 IS NOT REQUIRED IF ENTRANCE IS WITHIN THE WORK ZONE.
2. "TRUCKS ENTERING" SIGN SHALL ALSO BE USED AT LOCATIONS WHERE TRUCKS ENTER THE WORK ZONE FROM THE TRAVEL LANE.

STABILIZED CONSTRUCTION ENTRANCE



SHOULDER WORK OF SHORT-TERM (MAINLINE)

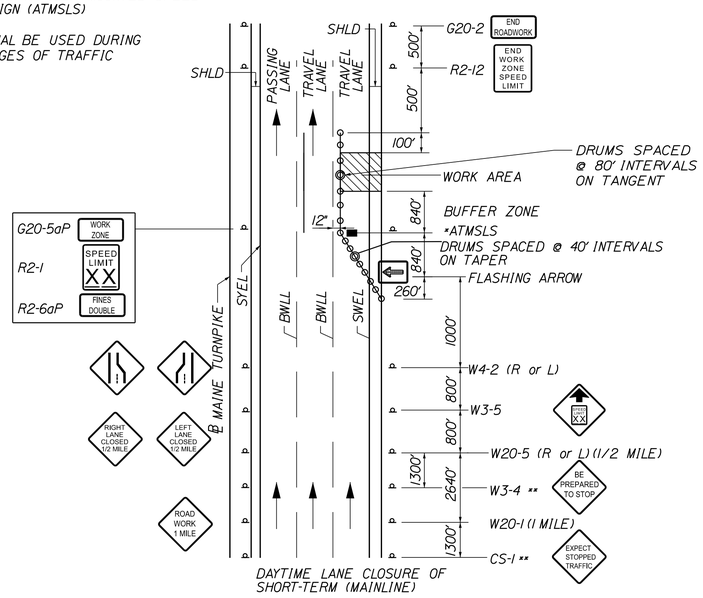
NOTE:

THE W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF THE SHOULDER CLOSURE IS WITHIN A PREVIOUSLY ESTABLISHED WORK ZONE.

SHOULDER WORK

* AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN (ATMSLS)

** SIGN SHAL BE USED DURING STOPPAGES OF TRAFFIC

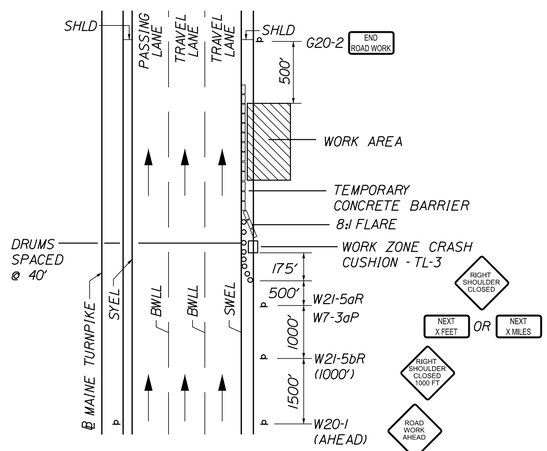


DAYTIME LANE CLOSURE OF SHORT-TERM (MAINLINE)

NOTES:

FOR POST MOUNTED SIGN SETUP, UNCOVER SIGNS ADJACENT TO OPEN LANE FOR SHORT TERM LANE CLOSURE (LESS THAN 24 HRS); UNCOVER BOTH SIGNS FOR PERMANENT LANE CLOSURE (GREATER THAN 24 HRS)

SINGLE LANE CLOSURE- POST MOUNTED SIGN SETUP



SHOULDER CLOSURE (MAINLINE)

NOTE:

THE W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF THE SHOULDER CLOSURE IS WITHIN A PREVIOUSLY ESTABLISHED WORK ZONE.

SHOULDER CLOSURE

GENERAL MAINTENANCE OF TRAFFIC NOTES:

1. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION. NOTE THERE IS A 2009 EDITION OF MUTCD.
2. ALL SPEED LIMIT, STOP, AND YIELD SIGNS ARE TO BE MOUNTED 5 FEET ABOVE THE PAVEMENT SURFACE.
3. THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL. DURING CONSTRUCTION, SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD. ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
4. THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
5. EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
6. ALL EXISTING RUMBLE STRIPS WITHIN TEMPORARY TRAVEL LANES SHALL BE REMOVED (PAY ITEM 202.206 REMOVING RUMBLE STRIPS).
7. PRIOR TO PHASE 1, 3, AND 5, THE CONTRACTOR SHALL INSTALL REFLECTORIZED BEAM GUARDRAIL DELINEATORS (PAY ITEM 606.352).

ABBREVIATIONS FOR ALL M.O.T. PLANS:

ATMSLS	=	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN
BWLL	=	BROKEN WHITE LANE LINE
MOT	=	MAINTENANCE OF TRAFFIC
MTCB	=	MOVEABLE TEMPORARY CONCRETE BARRIER
NB	=	NORTHBOUND
PCMS	=	PORTABLE CHANGEABLE MESSAGE SIGN
RTTMS	=	REAL TIME TRAFFIC MANAGEMENT SIGN
SB	=	SOUTHBOUND
SWEL	=	SOLID WHITE EDGE LINE
SYEL	=	SOLID YELLOW EDGE LINE
TBWLL	=	TEMPORARY BROKEN WHITE LANE LINE
TSWEL	=	TEMORARY SOLID WHITE EDGE LINE
TSYEL	=	TEMPORARY SOLID YELLOW EDGE LINE

R2-1 SPEED LIMIT XX MAINE TURNPIKE - XX = 55

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

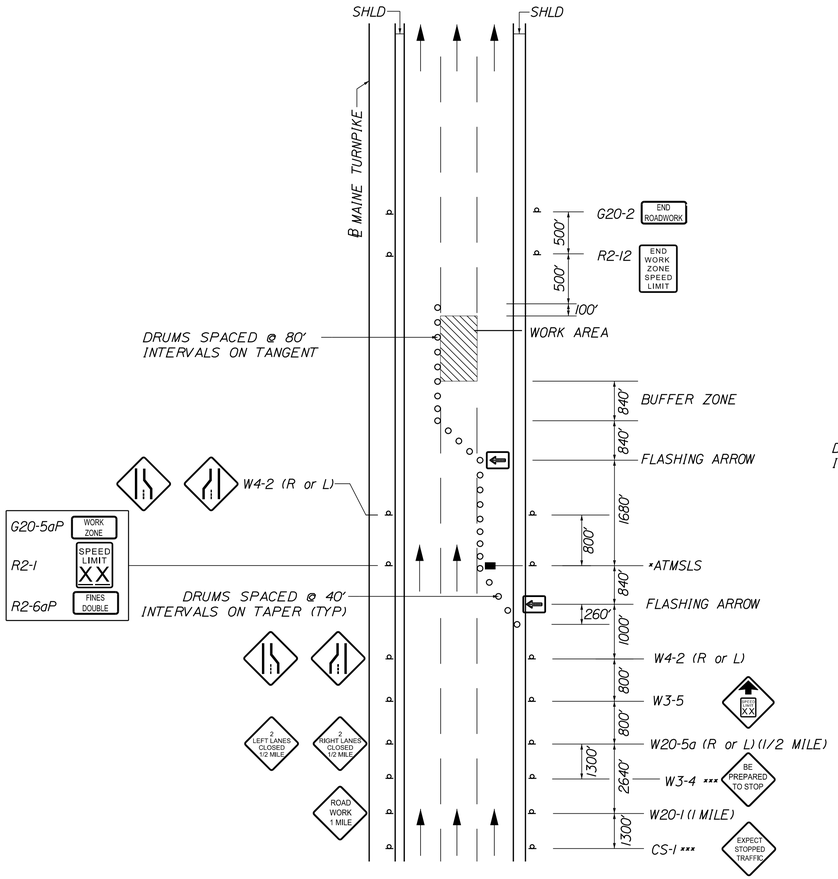
GENERAL TRAFFIC CONTROL DETAILS SHEET 1 OF 3

SHEET NUMBER

90

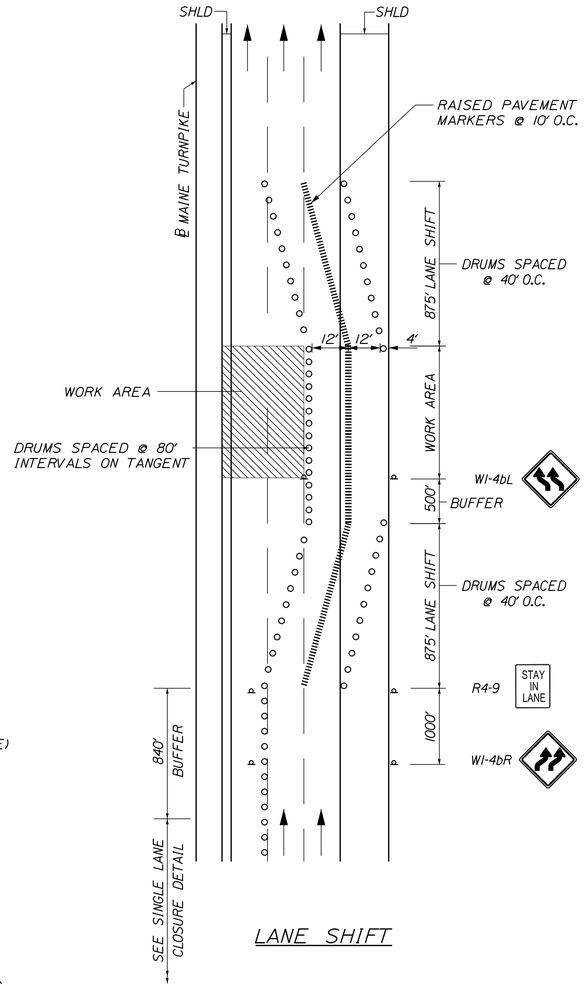
OF 230

Filename: ...\XXX_General_Traffic_Control_Details_2.dgn Division: HIGHWAY Username: Date:11/7/2018

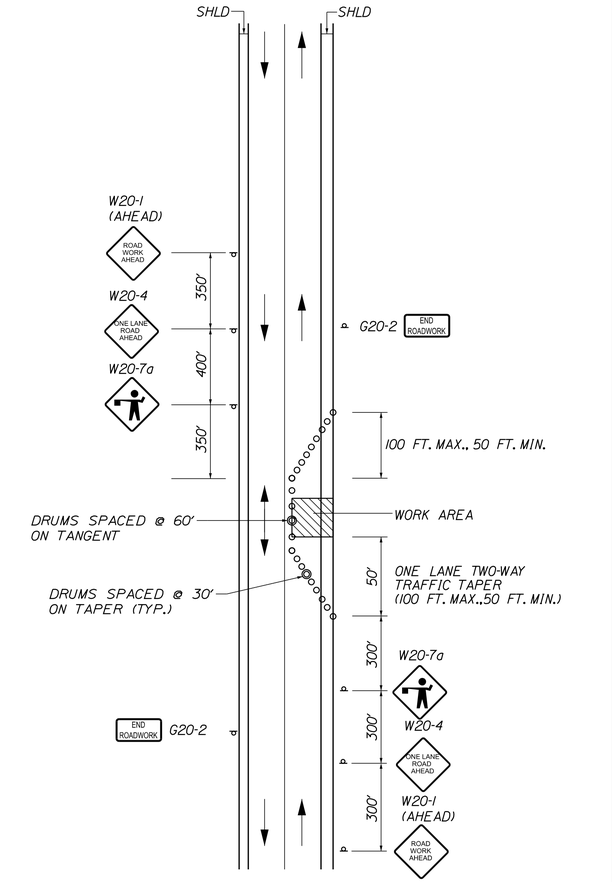


* AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN (ATMSLS)
** SIGNS ONLY USED WHEN RUMBLE STRIPS ARE USED

DOUBLE LANE CLOSURE



LANE SHIFT



LOCAL ROAD SINGLE LANE CLOSURE

NOTES:

1. ROAD WORK AHEAD AND END ROAD WORK SIGNS MAY BE OMITTED FOR SHORT DURATION OPERATIONS (LESS THAN 1 HOUR).
2. FLAGGERS SHALL BE LOCATED SO THEY ARE CLEARLY VISIBLE TO APPROACHING DRIVERS.
3. SIGN SPACING ASSUMES LOCAL ROAD SPEED IS 40 MPH OR LESS.

NOTES:

1. SIGNS DESIGNATED WITH *** SHALL BE USED DURING STOPPAGES OF TRAFFIC.
2. THE LANE OPEN TO TRAFFIC SHALL PROVIDE A MINIMUM CLEAR WIDTH OF 16' FOR TRAVEL LANE AND SHOULDERS COMBINED TO ACCOMMODATE WIDE LOADS.

STATE OF MAINE
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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

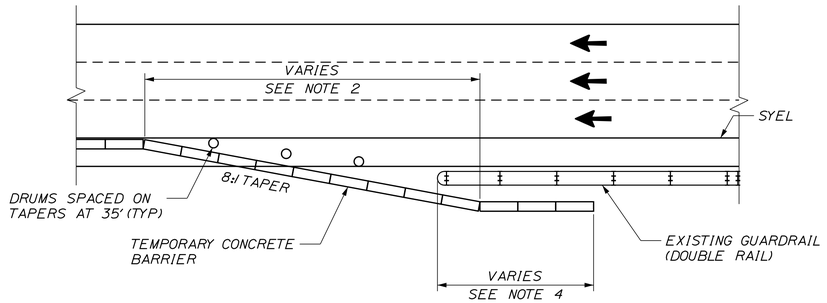
GENERAL TRAFFIC CONTROL DETAILS SHEET 2 OF 3

SHEET NUMBER

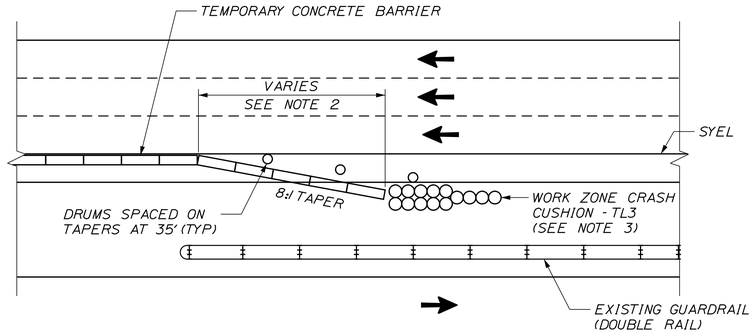
91

OF 230

T·Y·LIN INTERNATIONAL



EXISTING GUARDRAIL ON NEAR SIDE OF MEDIAN



EXISTING GUARDRAIL ON FAR SIDE OF MEDIAN

CONCRETE BARRIER/GUARDRAIL OVERLAP DETAIL

CONCRETE BARRIER/GUARDRAIL OVERLAP NOTES:

1. BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION (TL-3) OR LAPPED BEHIND GUARDRAIL. SEE DETAILS THIS SHEET.
2. 8:1 MINIMUM TAPERED BARRIER LENGTH DEPENDENT ON LOCATION OF BARRIER RELATIVE TO INTERSTATE 95 SHOULDERS OR LANES.
3. IF A WORK ZONE CRASH CUSHION - TL-3 IS USED FOR A MEDIAN SHOULDER CLOSURE. THE CRASH CUSHION SYSTEM MUST BE FOUNDED ON A LEVEL SURFACE. ANY WORK NECESSARY TO PROVIDE A LEVEL SURFACE WILL BE INCIDENTAL TO THE CRASH CUSHION ITEM.
4. IF THE 50' MIN. LENGTH OF OVERLAP CANNOT BE MET, THEN THE EXISTING GUARDRAIL END MUST BE ANCHORED IN ACCORDANCE WITH DRAWING SEW02a IN THE AASHTO-AGC-ARBTA JOINT COMMITTEE TASK FORCE 13 REPORT, DRAFTED MAY 1995. PAYMENT SHALL BE INCIDENTAL TO GUARDRAIL ITEMS.

Filename: ...\XXX_General_Traffic_Control_Details_Div.dgn Username: Date:11/7/2018
Division: HIGHWAY

STATE OF MAINE
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AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
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FIELD CHANGES			

SIGNATURE

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

GENERAL TRAFFIC CONTROL
DETAILS SHEET 3 OF 3

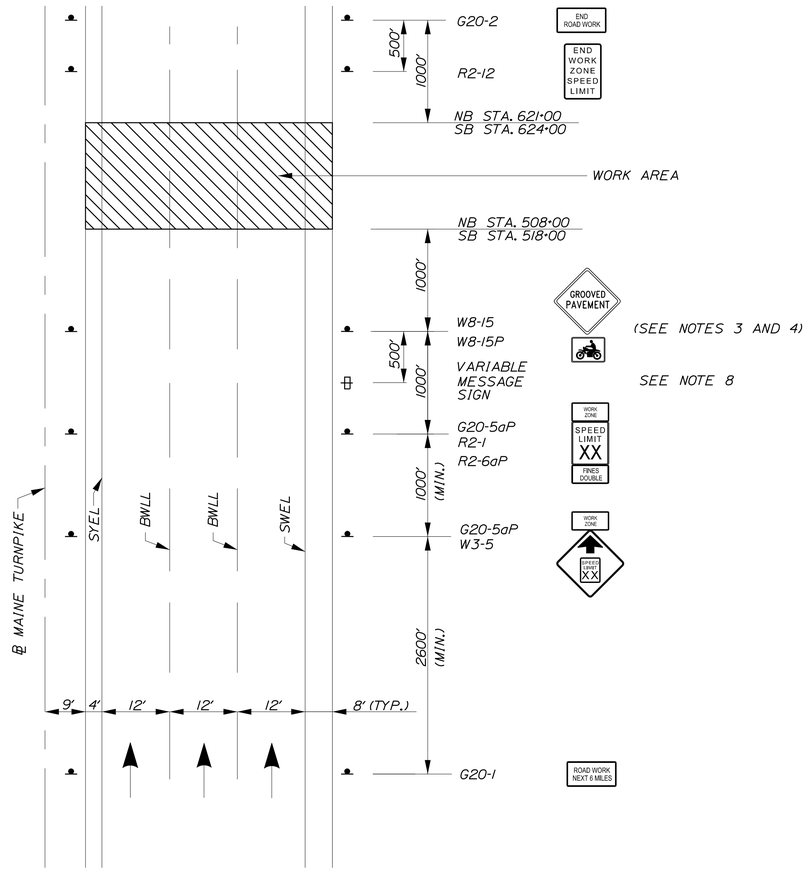
SHEET NUMBER

92

OF 230

TY LIN INTERNATIONAL

Filename: ...\XXX_Paving_Traffic_Control_Details_1.dgn Division: HIGHWAY Username: Date:11/7/2018



MAINLINE
ADVANCED PROJECT SIGNING

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON NCHRP 350 APPROVED POSTS.
3. UNCOVER W8-15 & W8-15P SIGNS WHEN PAVEMENT IS MILLED OR AS DIRECTED BY THE RESIDENT.
4. PROVIDE W8-15 AND W8-15P AT ALL MILLED LOCATIONS.
5. DUE TO SEQUENCING OF WORK AREAS, APPROACH SIGNING MAY NEED TO BE ADJUSTED AS WORK PROGRESSES.
6. WORK ZONE SPEED LIMIT SIGN ASSEMBLY SHALL BE REPEATED EVERY 1 MILE.
7. TRAFFIC CONTROL SIGNS NOT IN USE SHALL BE COVERED AS DIRECTED BY THE RESIDENT.
8. PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE INSTALLED AS PART OF THIS CONTRACT AS PAY ITEM 652.41. LOCATION SHALL BE 1 MILE OUTSIDE WORK AREA AND APPROVED BY THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

PROJ. MANAGER	Leanne Timberlake	BY	DATE
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

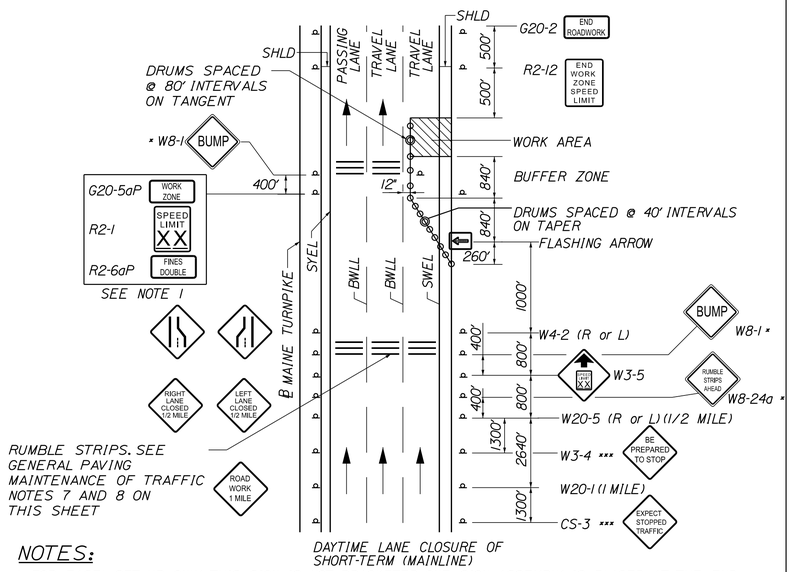
PAVING TRAFFIC CONTROL DETAILS SHEET 1 OF 5

SHEET NUMBER

93

OF 230

TY LIN INTERNATIONAL



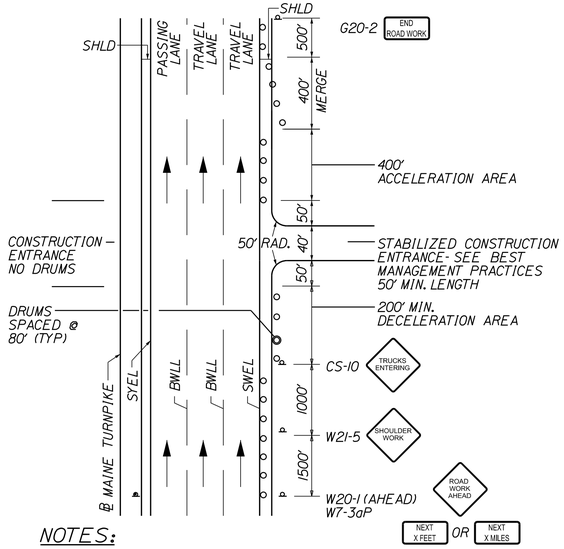
DAYTIME LANE CLOSURE OF SHORT-TERM (MAINLINE)

NOTES:

1. FOR EASEL SET UP ONLY. THIS SIGN IS NOT BRACKETED. ONE SIGN ASSEMBLY IS PLACED AT THE END OF THE TAPER.
2. SIGNS DESIGNATED WITH *** SHALL BE USED DURING STOPPAGES OF TRAFFIC.

* SIGN ONLY USED WHEN RUMBLE STRIPS ARE USED

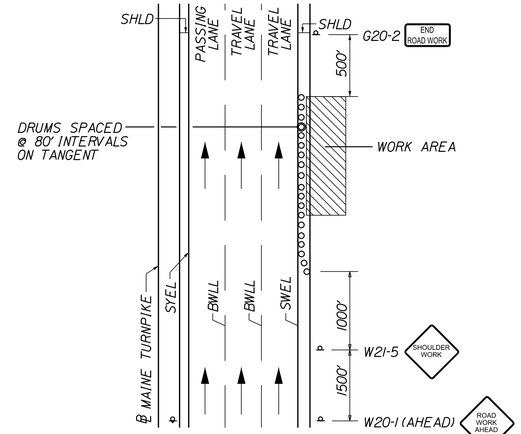
SINGLE LANE CLOSURE- SIGNS ON EASELS



NOTES:

1. SIGN G20-2 IS NOT REQUIRED IF ENTRANCE IS WITHIN THE WORK ZONE.
2. "TRUCKS ENTERING" SIGN SHALL ALSO BE USED AT LOCATIONS WHERE TRUCKS ENTER THE WORK ZONE FROM THE TRAVEL LANE.

STABILIZED CONSTRUCTION ENTRANCE

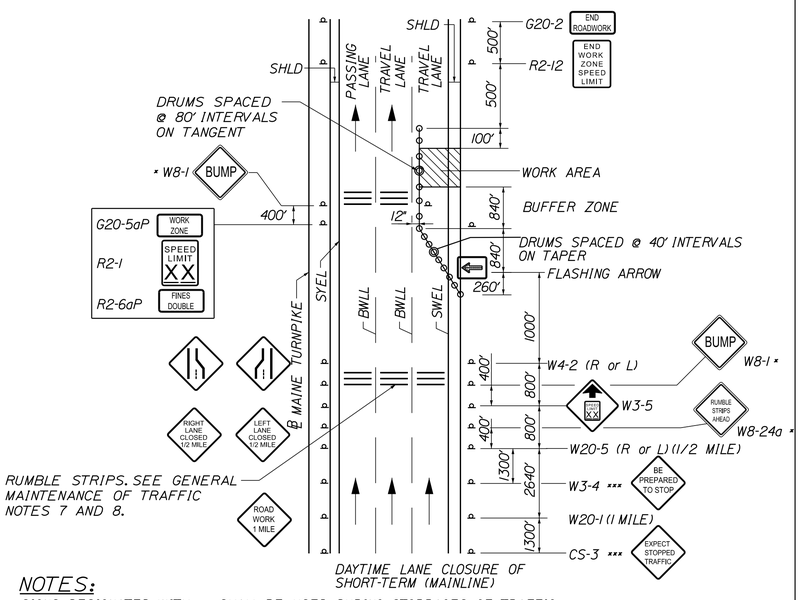


SHOULDER WORK OF SHORT-TERM (MAINLINE)

NOTE:

THE W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF THE SHOULDER CLOSURE IS WITHIN A PREVIOUSLY ESTABLISHED WORK ZONE.

SHOULDER WORK



DAYTIME LANE CLOSURE OF SHORT-TERM (MAINLINE)

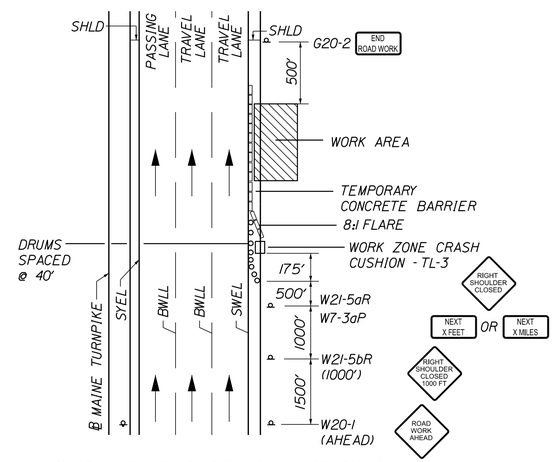
NOTES:

SIGNS DESIGNATED WITH *** SHALL BE USED DURING STOPPAGES OF TRAFFIC.

FOR POST MOUNTED SIGN SETUP, UNCOVER SIGNS ADJACENT TO OPEN LANE FOR SHORT TERM LANE CLOSURE (LESS THAN 24 HRS); UNCOVER BOTH SIGNS FOR PERMANENT LANE CLOSURE (GREATER THAN 24 HRS)

*SIGN ONLY USED WHEN RUMBLE STRIPS ARE USED

SINGLE LANE CLOSURE- POST MOUNTED SIGN SETUP



SHOULDER CLOSURE

NOTE:

THE W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF THE SHOULDER CLOSURE IS WITHIN A PREVIOUSLY ESTABLISHED WORK ZONE.

SHOULDER CLOSURE

GENERAL PAVING MAINTENANCE OF TRAFFIC NOTES:

1. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION. NOTE THERE IS A 2009 EDITION OF MUTCD.
2. ALL SPEED LIMIT, STOP, YIELD, AND E5-2 SIGNS SHALL BE MOUNTED 5 FEET ABOVE THE PAVEMENT SURFACE
3. THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL. DURING CONSTRUCTION, SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD. ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
4. THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
5. EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
6. NO SIGNS SHALL BE PLACED ON 4' SHOULDERS WITH GUARDRAIL. SIGNS REQUIRED AT THESE LOCATIONS SHALL BE PLACED ON TALLER EASELS ON THE MEDIAN SIDE OF THE GUARDRAIL.
7. IF RUMBLE STRIPS ARE USED THEY SHALL BE PLACED IN ONE OF THE FOLLOWING CONFIRGURATIONS:
   - ADJACENT TO THE WORK ZONE (1 UNIT)
   - UPSTREAM FROM THE TAPER FOR THE WORKZONE (2 UNITS)
   - BOTH ADJACENT TO THE WORKZONE AND PRIOR TO THE TAPER (3 UNITS)

   W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST RUMBLE STRIP AT ANY LOCATION. ONLY ONE SET OF W8-24a SIGNS ARE REQUIRED FOR ANY OF THE ABOVE CONFIGURATIONS.
8. RUMBLE STRIPS MAY BE PLACED UPSTREAM OF THE TAPER BETWEEN THE W3-5 SIGNS AND THE W4-2 SIGNS. IF RUMBLE STRIPS ARE INSTALLED PRIOR TO TAPER, W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST STRIP AND THE W8-24a SIGNS SHALL BE MOVED TO 400' AFTER THE W20-5 SIGNS.

ABBREVIATIONS FOR ALL M.O.T. PLANS:

BWLL = BROKEN WHITE LANE LINE
SWEL = SOLID WHITE EDGE LINE
SYEL = SOLID YELLOW EDGE LINE
TBWLL = TEMPORARY BROKEN WHITE LANE LINE
TSWEL = TEMORARY SOLID WHITE EDGE LINE
TSYEL = TEMPORARY SOLID YELLOW EDGE LINE

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E
WIN 019270.00
BRIDGE NOS. 6330
BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

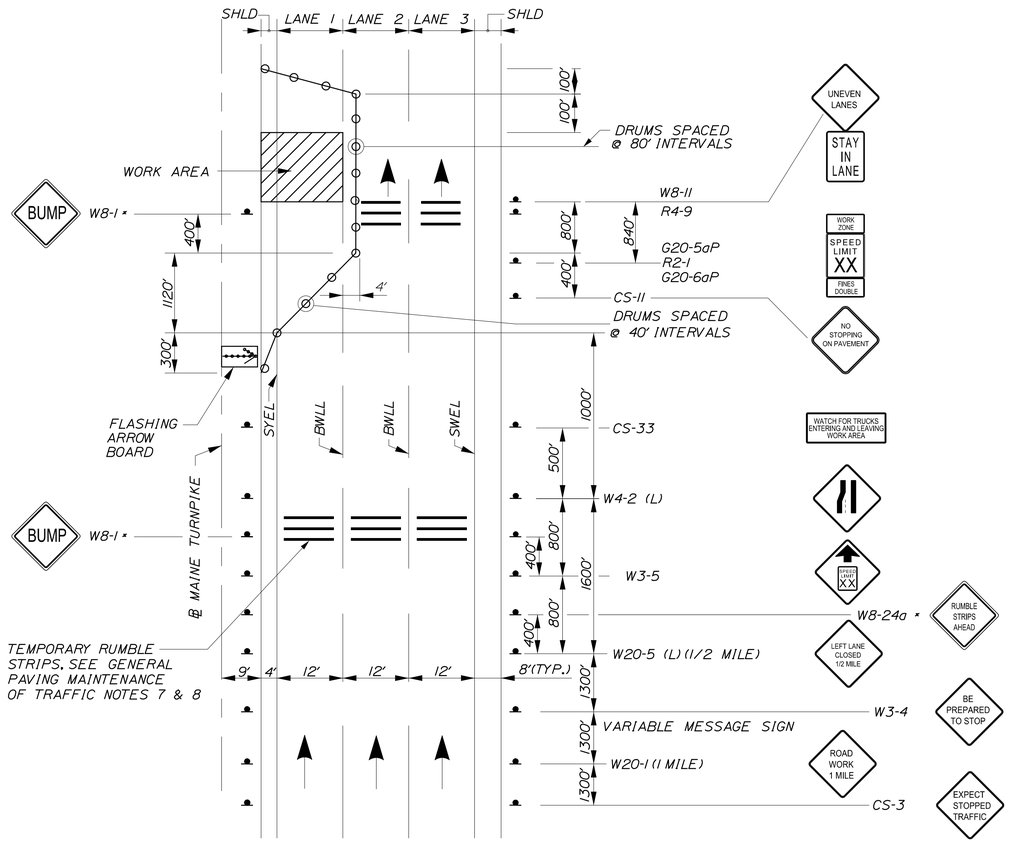
P.E. NUMBER
SIGNATURE
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PAVING TRAFFIC CONTROL DETAILS SHEET 2 OF 5

SHEET NUMBER
94
OF 230

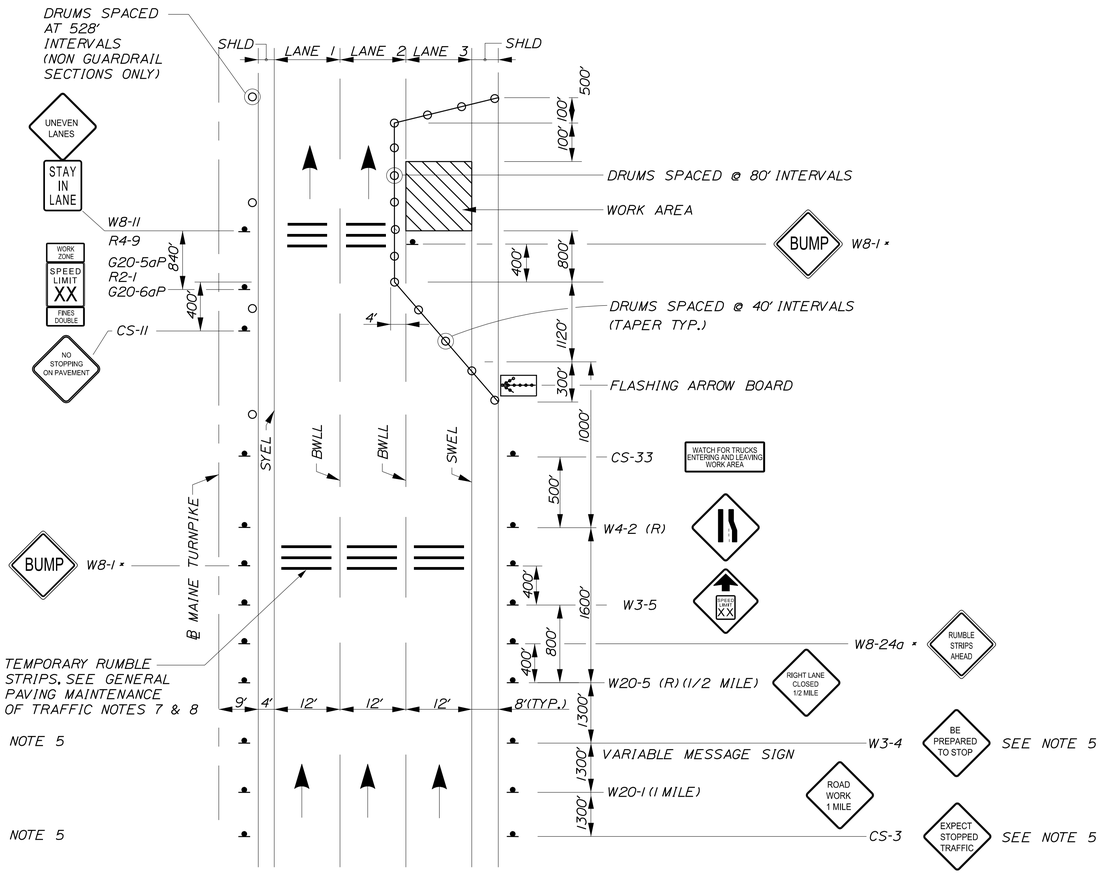
Filename: ...\XXX_Paving_Traffic_Control_Details_2.dgn Division: HIGHWAY Username: Date:11/7/2018



● = CONSTRUCTION SIGN
* = SIGNS ONLY USED WHEN RUMBLE STRIPS ARE USED

LANE CLOSURE FOR MILLING AND PAVING OPERATIONS LANE 1

LANE CLOSURE FOR PAVEMENT MARKINGS LANE 1



● = CONSTRUCTION SIGN
* = SIGNS ONLY USED WHEN RUMBLE STRIPS ARE USED

LANE CLOSURE FOR MILLING AND PAVING OPERATIONS LANE 3

LANE CLOSURE FOR PAVEMENT MARKINGS LANE 3

NOTES:

1. FOR SIGN DETAILS, SEE MOT SIGN SUMMARY SHEETS.
2. ALL TEMPORARY LANE CLOSURE SIGNS ARE TO BE MOUNTED ON EASELS.
3. STANDARD SINGLE LANE CLOSURES FOR LANES 1 AND 3 SHALL BE USED FOR EQUIPMENT MOVES, BERM DROP OFF CORRECTION WORK, PAINTING OF SOLID WHITE LANE LINES, AND ALL OTHER PAVING WORK NOT REQUIRING ENCROACHMENT INTO THE ADJACENT LANE.
4. SEE SHEET 2 OF 5 FOR STANDARD SINGLE LANE CLOSURE DETAILS.
5. ERECT CS-3 AND W3-4 SIGNS IMMEDIATELY PRIOR TO SCHEDULED STOPPAGES FOR EQUIPMENT MOVES AND REMOVE THE CS-1 AND W3-4 SIGNS IMMEDIATELY AFTER THE SCHEDULED STOPPAGES ARE COMPLETE.
6. SEE STRIPING DETAILS SHEETS FOR TEMP. PAVEMENT MARKINGS.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

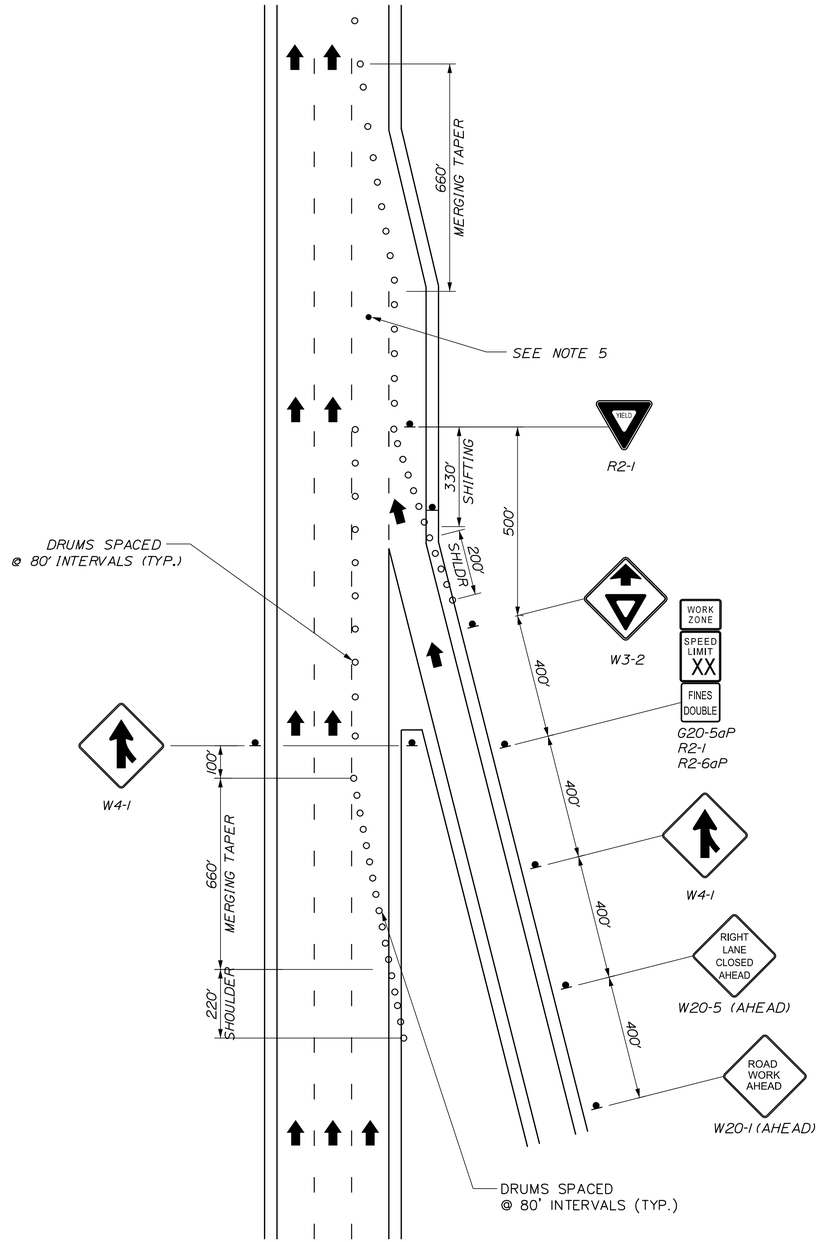
PAVING TRAFFIC CONTROL DETAILS SHEET 3 OF 5

SHEET NUMBER

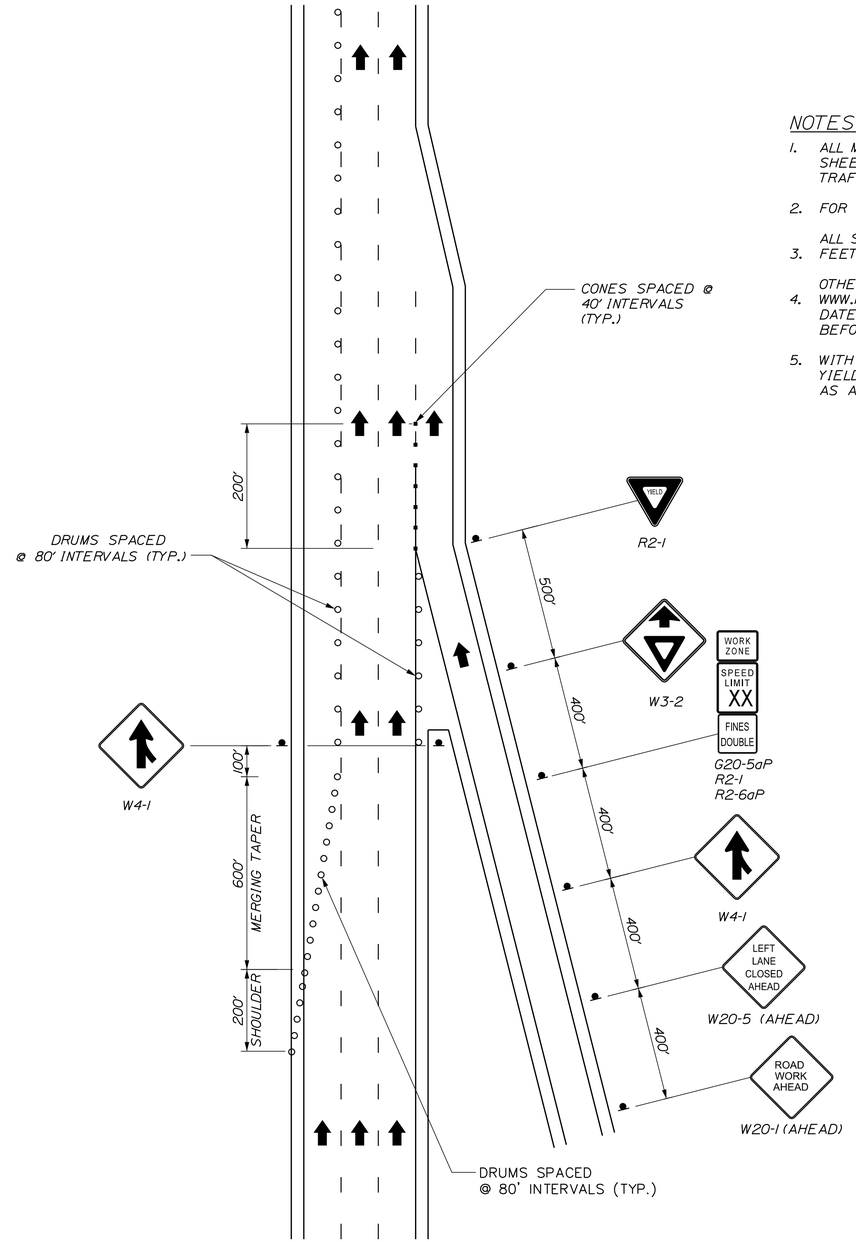
95

OF 230

Filename: ...\XXX_Paving_Traffic_Control_Details_3.dgn Division: HIGHWAY Username: Date:11/7/2018



LANE 3 CLOSED
TRAFFIC IN LANES 1 AND 2
ENTERING RAMP OPEN



LANE 1 CLOSED
TRAFFIC IN LANES 2 AND 3
ENTERING RAMP OPEN

LANE CLOSURE AT ENTRANCE RAMPS

NOTES:

1. ALL MOT DEVICES AND LOCATIONS NOT NOTED ON THIS SHEET SHALL BE AS NOTED ON OTHER "PAVING TRAFFIC CONTROL DETAILS SHEETS".
2. FOR SIGN DETAILS SEE "MOT SIGN SUMMARY".
3. ALL STOP AND YIELD SIGNS SHALL BE MOUNTED 5 FEET ABOVE THE PAVEMENT.
4. OTHER TRAFFIC CONTROL DETAILS ARE AVAILABLE AT WWW.MAINETURNPIKE.COM. SEE "TRAFFIC CONTROL PLANS" DATED JANUARY 2018. RESIDENT APPROVAL REQUIRED BEFORE USING.
5. WITH LANE 3 CLOSED IN THE MERGE AREA, REPLACE YIELD SIGNS WITH STOP SIGNS AND REVISE DEVICES AS APPROVED BY THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	JKO	TSK	11/2015
CHECKED-REVIEWED	JRH	NLB	11/2015
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PAVING TRAFFIC CONTROL
DETAILS SHEET 4 OF 5

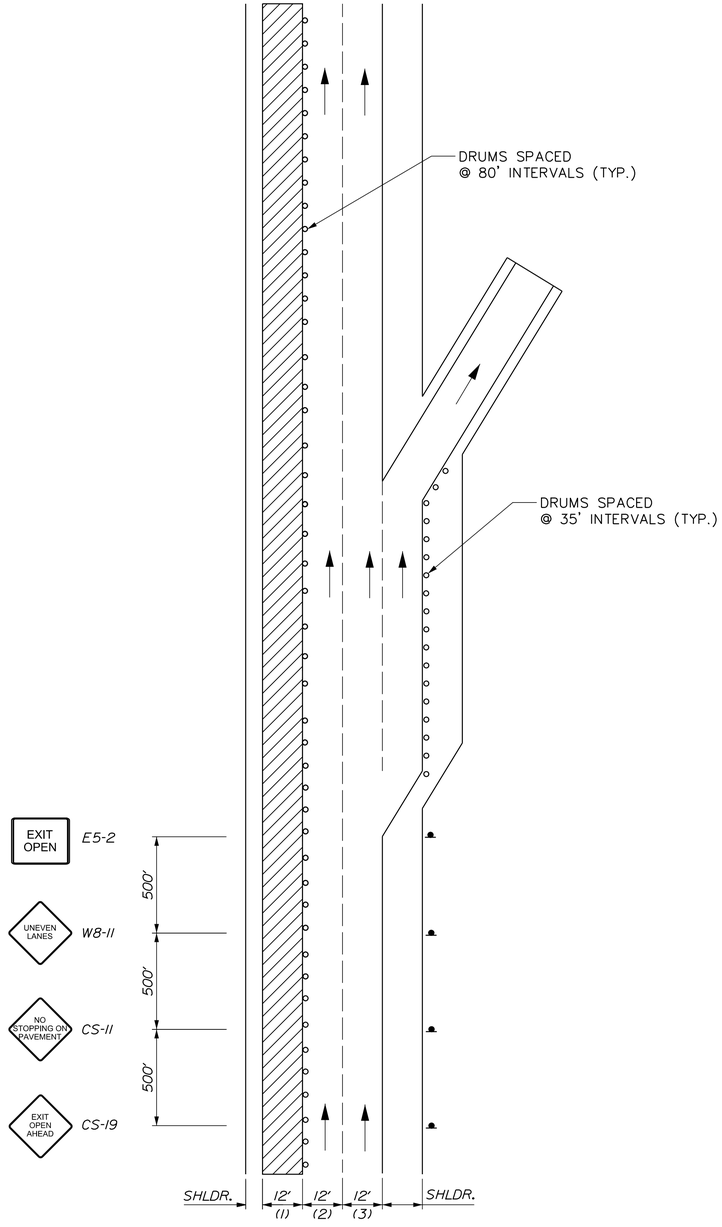
SHEET NUMBER

96

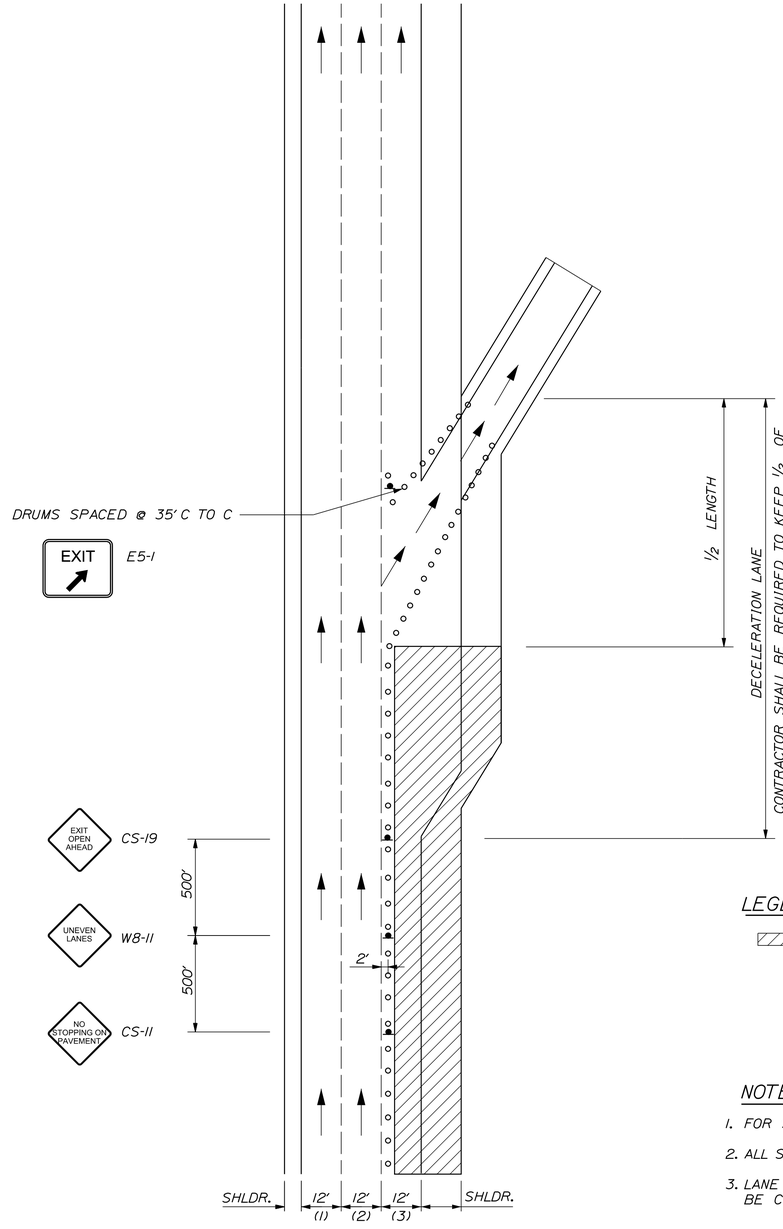
OF 230

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Filename: ...\XXX_Paving_Traffic_Control_Details_4.dgn Division: HIGHWAY Username: Date:11/7/2018



LANE 1 CLOSED
TRAFFIC IN LANES 2 AND 3
EXITING RAMP OPEN



LANE 3 CLOSED
TRAFFIC IN LANES 1 AND 2
EXITING RAMP OPEN

LEGEND

= WORK AREA
= CONSTRUCTION SIGN
= DRUM

NOTES:

1. FOR SIGN DETAILS, SEE MOT SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMPS MAY BE COMBINED IF APPROVED BY THE RESIDENT.

LANE CLOSURE AT EXIT RAMPS

Filename: ...\XXX_Paving_Traffic_Control_Details_5.dgn Division: HIGHWAY Username: Date:11/7/2018

PROJ. MANAGER: Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	S&M	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
019270.00

BRIDGE NOS. 6330

SIGNATURE

P.E. NUMBER

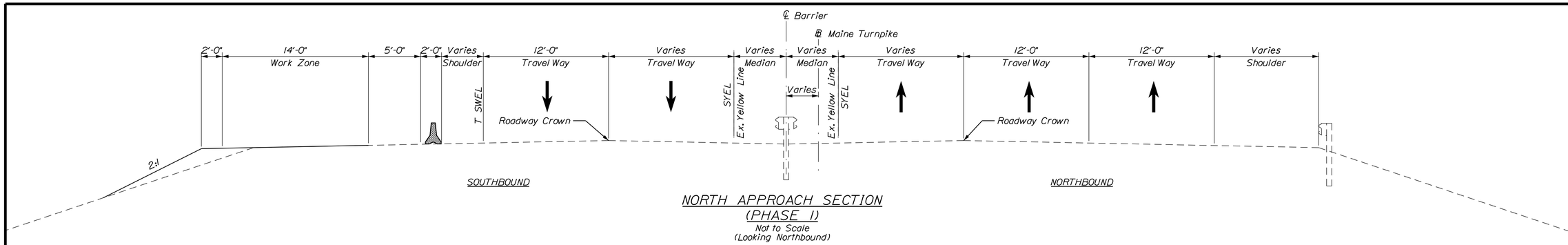
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

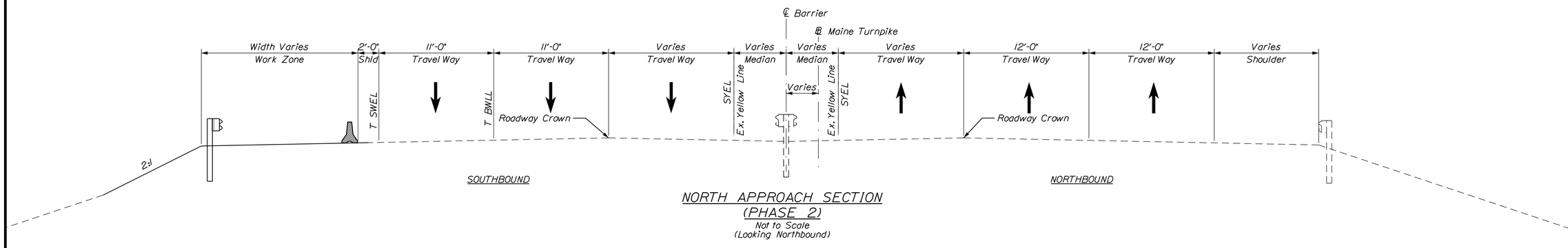
PAVING TRAFFIC CONTROL DETAILS SHEET 5 OF 5

SHEET NUMBER
97
OF 230

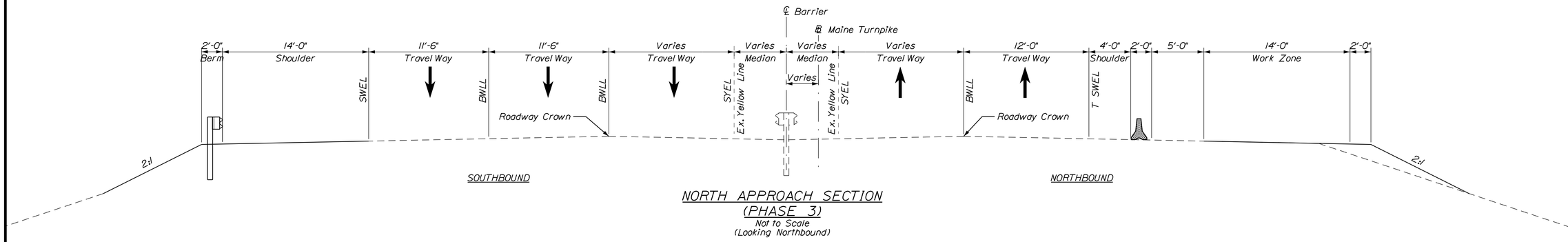
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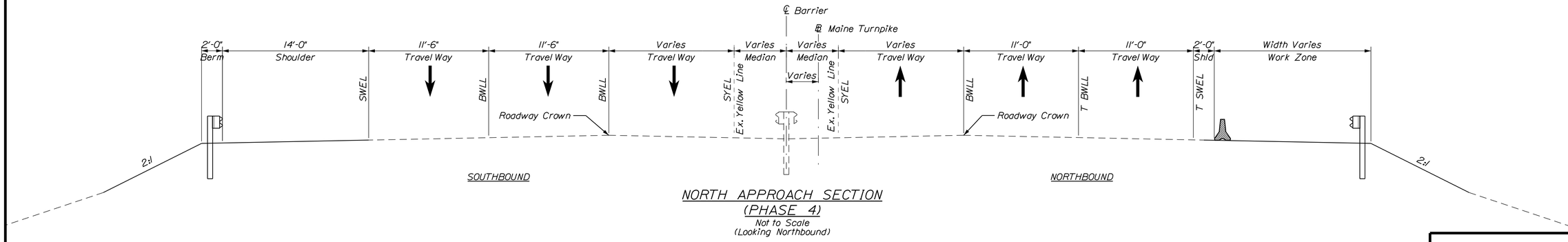
NORTH APPROACH SECTION
(PHASE 1)
Not to Scale
(Looking Northbound)



NORTH APPROACH SECTION
(PHASE 2)
Not to Scale
(Looking Northbound)



NORTH APPROACH SECTION
(PHASE 3)
Not to Scale
(Looking Northbound)



NORTH APPROACH SECTION
(PHASE 4)
Not to Scale
(Looking Northbound)

TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		

REVISIONS	BY	DATE
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

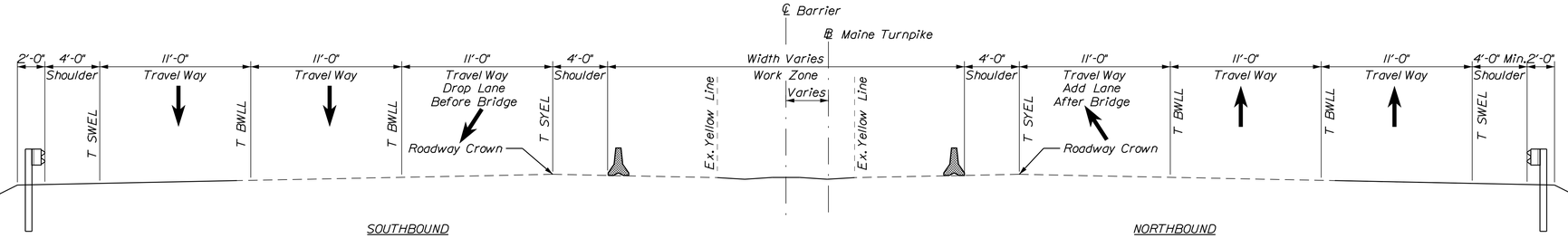
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

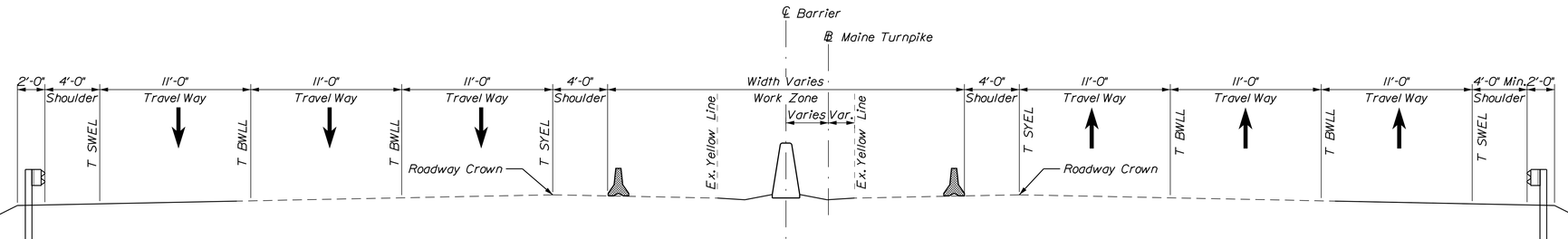
MOT TYPICAL APPROACH SECTIONS - PHASES 1 TO 4

SHEET NUMBER
98
OF 230

Filename: ...\XXX_MOT Approach Typicals.dgn Username: Division: HIGHWAY Date:11/7/2018



NORTH APPROACH SECTION
(PHASE 5)
Not to Scale
(Looking Northbound)



NORTH APPROACH SECTION
(PHASE 6)
Not to Scale
(Looking Northbound)

Filename: ...\XXX_MOT Approach Typicals.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MOT TYPICAL APPROACH SECTIONS - PHASES 5 AND 6

SHEET NUMBER

99

OF 230

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Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



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SHEET NUMBER 100 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 1 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 2 OF 10

SHEET NUMBER 101 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 3 OF 10

SHEET NUMBER 102 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 4 OF 10

SHEET NUMBER 103 OF 230

		BY	DATE
PROJ. MANAGER Leonne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 1 - SHEET 5 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER 104 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 105 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 6 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 7 OF 10

SHEET NUMBER 106 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 107 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 1 - SHEET 8 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

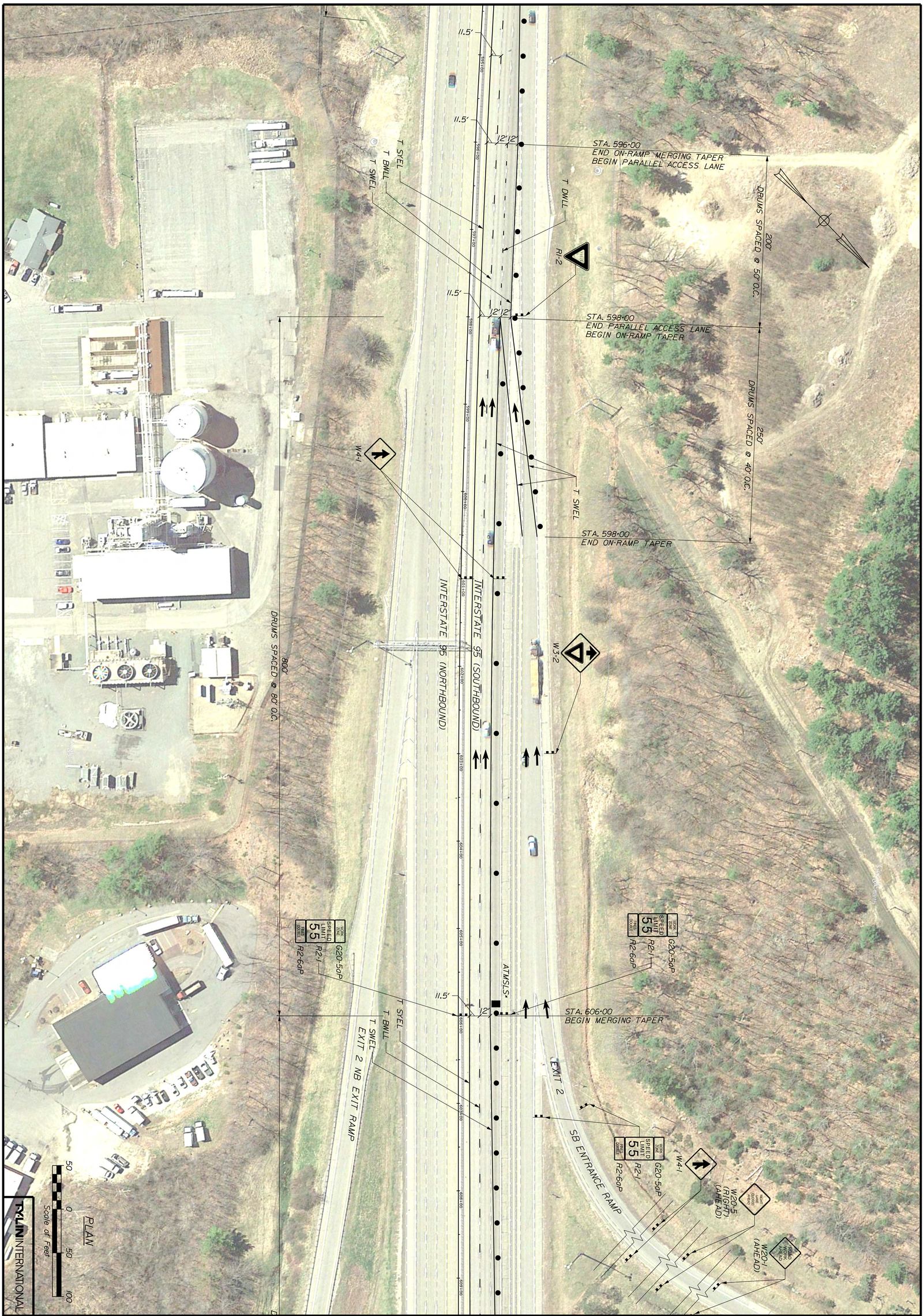
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 1 - SHEET 9 OF 10

SHEET NUMBER 108 OF 230

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

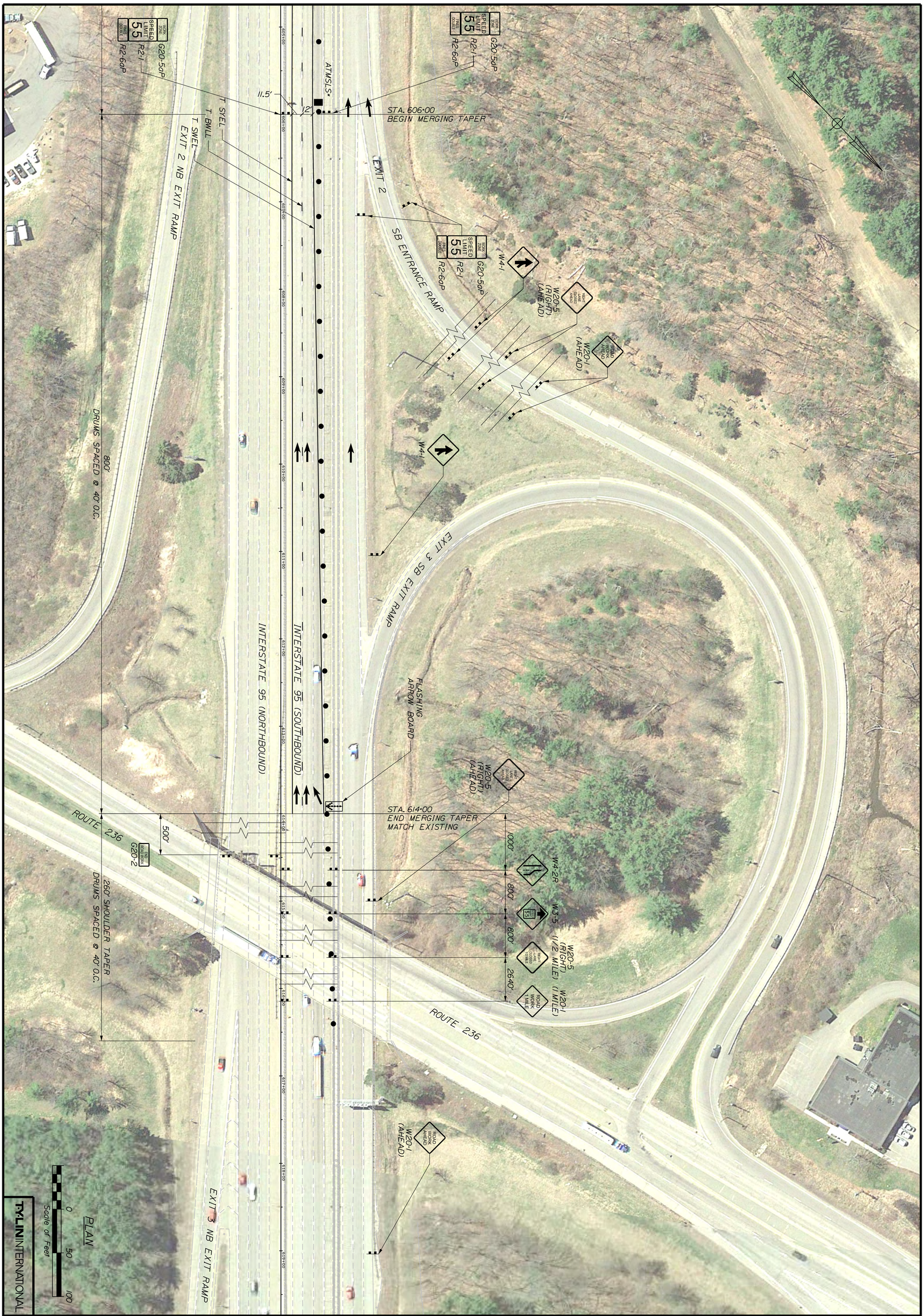
AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 1.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 1 - SHEET 10 OF 10

SHEET NUMBER 109 OF 230

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
BRIDGE NOS. 6330 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 110 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 2 OF 10

SHEET NUMBER 111 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 3 OF 10

SHEET NUMBER 112 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 2 - SHEET 4 OF 10

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER 113 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 5 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER 114 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 115 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 6 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 2 - SHEET 7 OF 10

SHEET NUMBER 116 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 117 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 2 - SHEET 8 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 9 OF 10

SHEET NUMBER 118 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

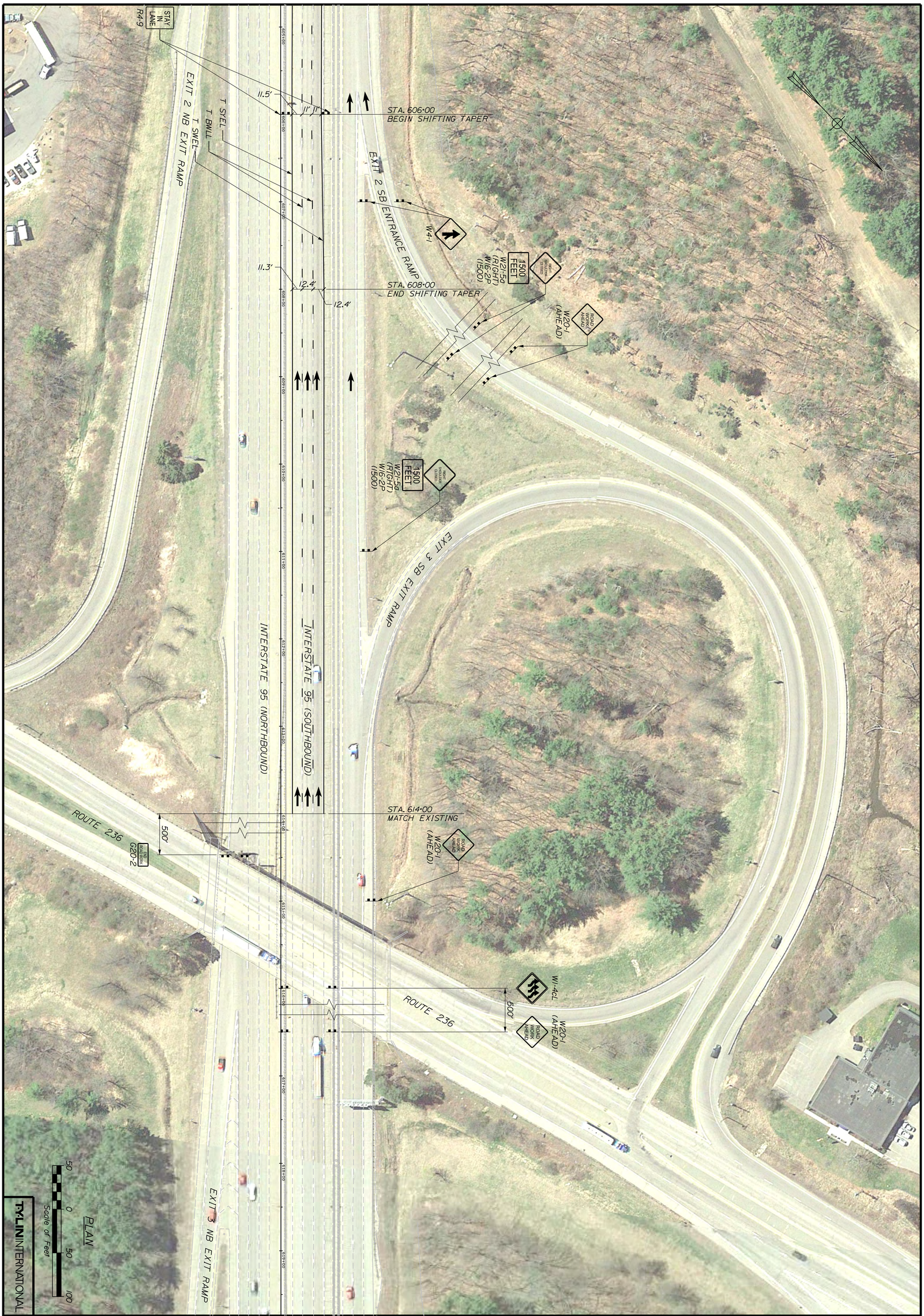
AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 2.dgn Division: HIGHWAY Username: Date:11/7/2018



KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 2 - SHEET 10 OF 10

SHEET NUMBER 119 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 120 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 3 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 2 OF 10

SHEET NUMBER 121 OF 230

PROJ. MANAGER Leonne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

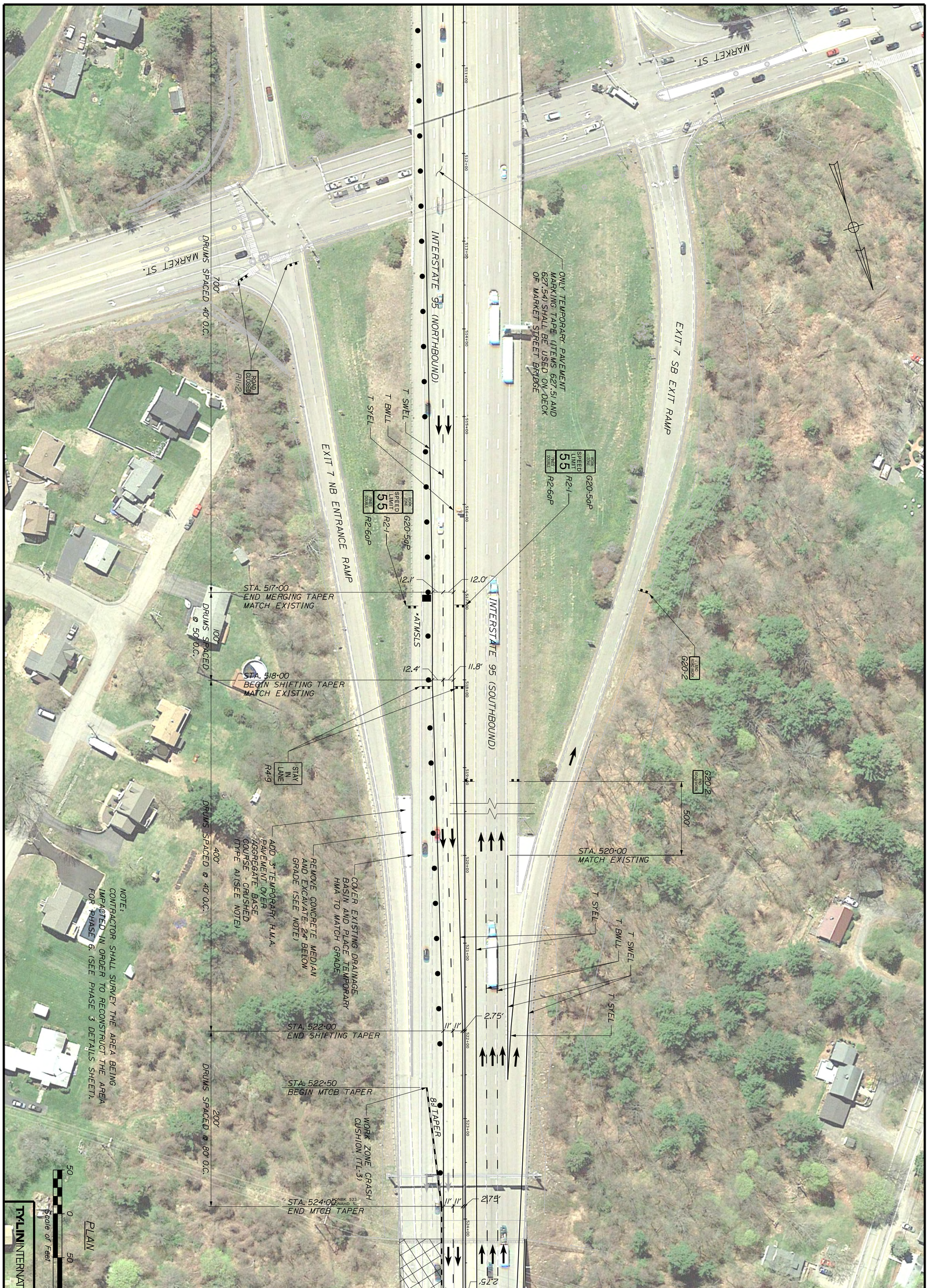
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 3 OF 10

SHEET NUMBER 122 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

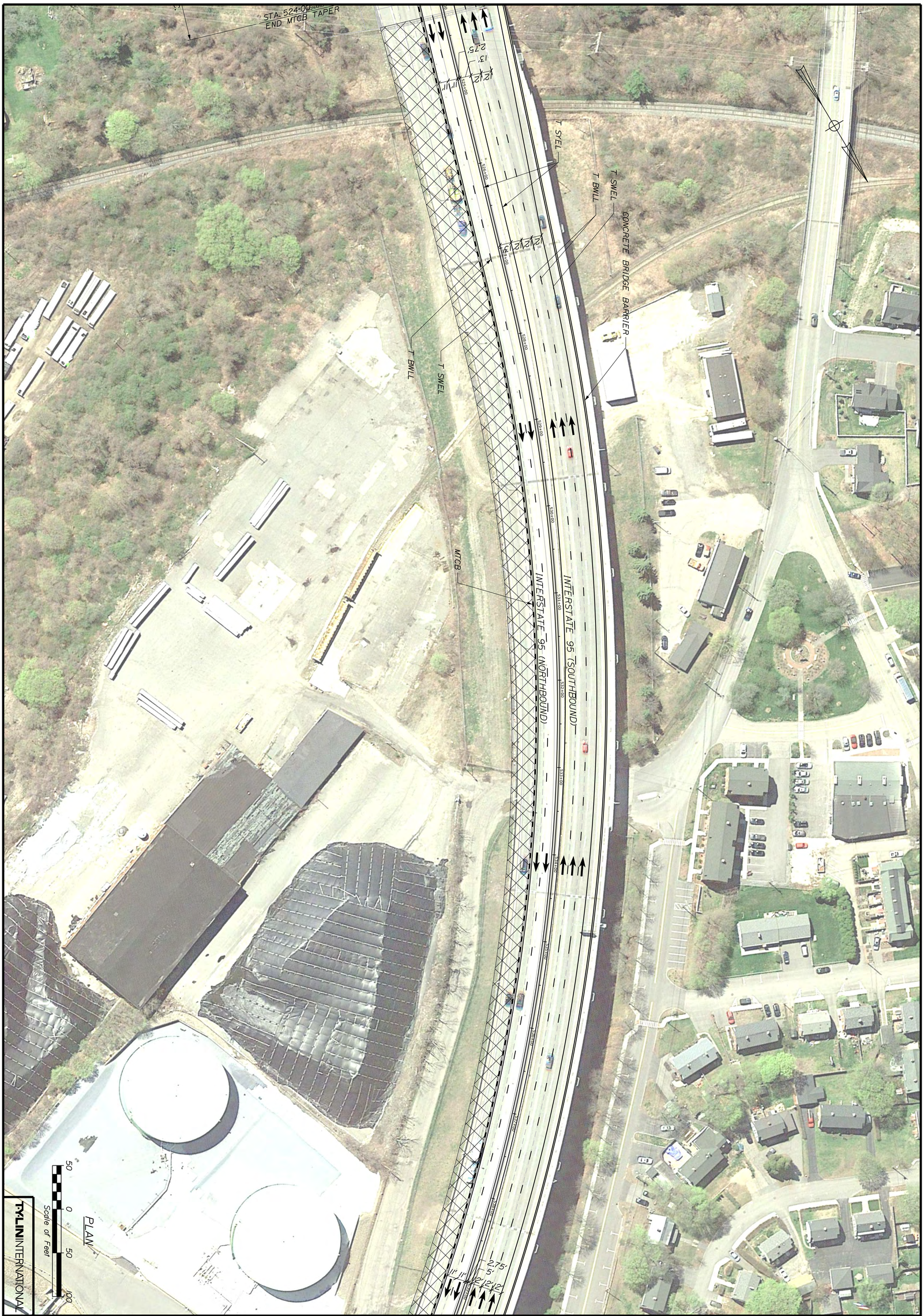
AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 4 OF 10

SHEET NUMBER 123 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 3 - SHEET 5 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

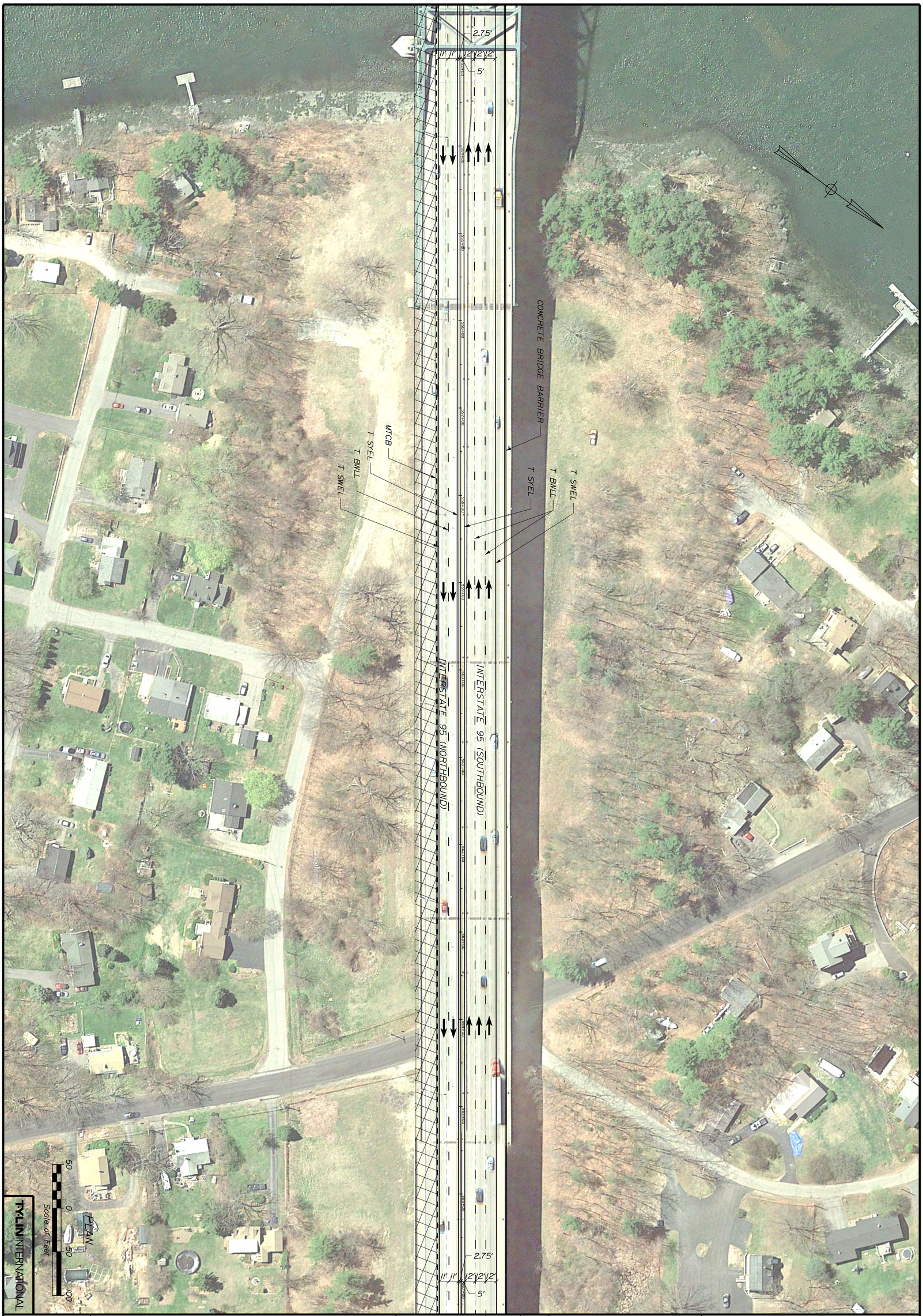
SHEET NUMBER 124 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 125 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 6 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

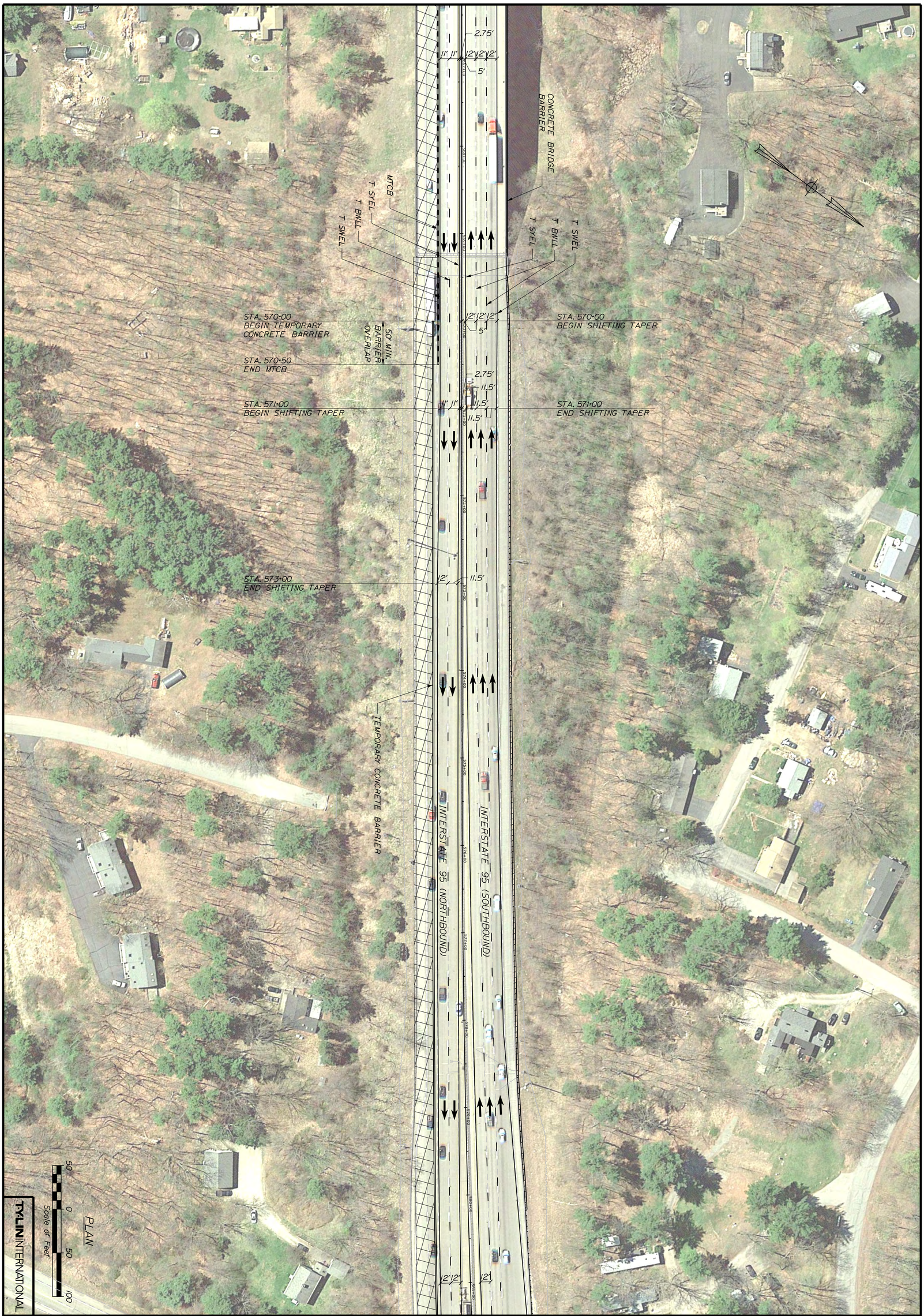
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



TYLININTERNATIONAL

SHEET NUMBER 126 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 7 OF 10

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 8 OF 10

SHEET NUMBER 127 OF 230

PROJ. MANAGER Leonne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

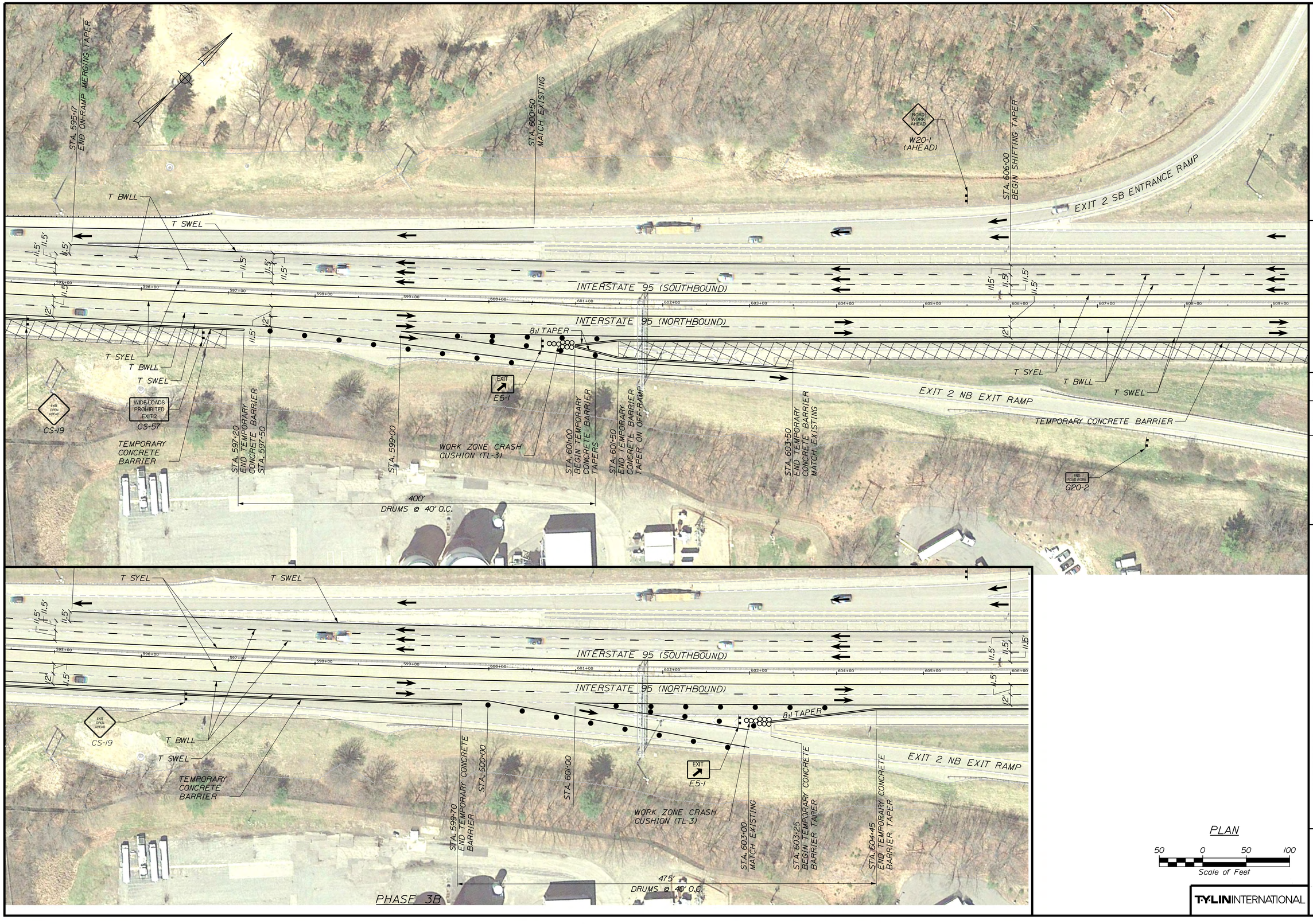
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 **WIN 019270.00** BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



PLAN

50 0 50 100

Scale of Feet

T-Y LIN INTERNATIONAL

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED TWA	SAM	10/18
CHECKED-REVIEWED KSD	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

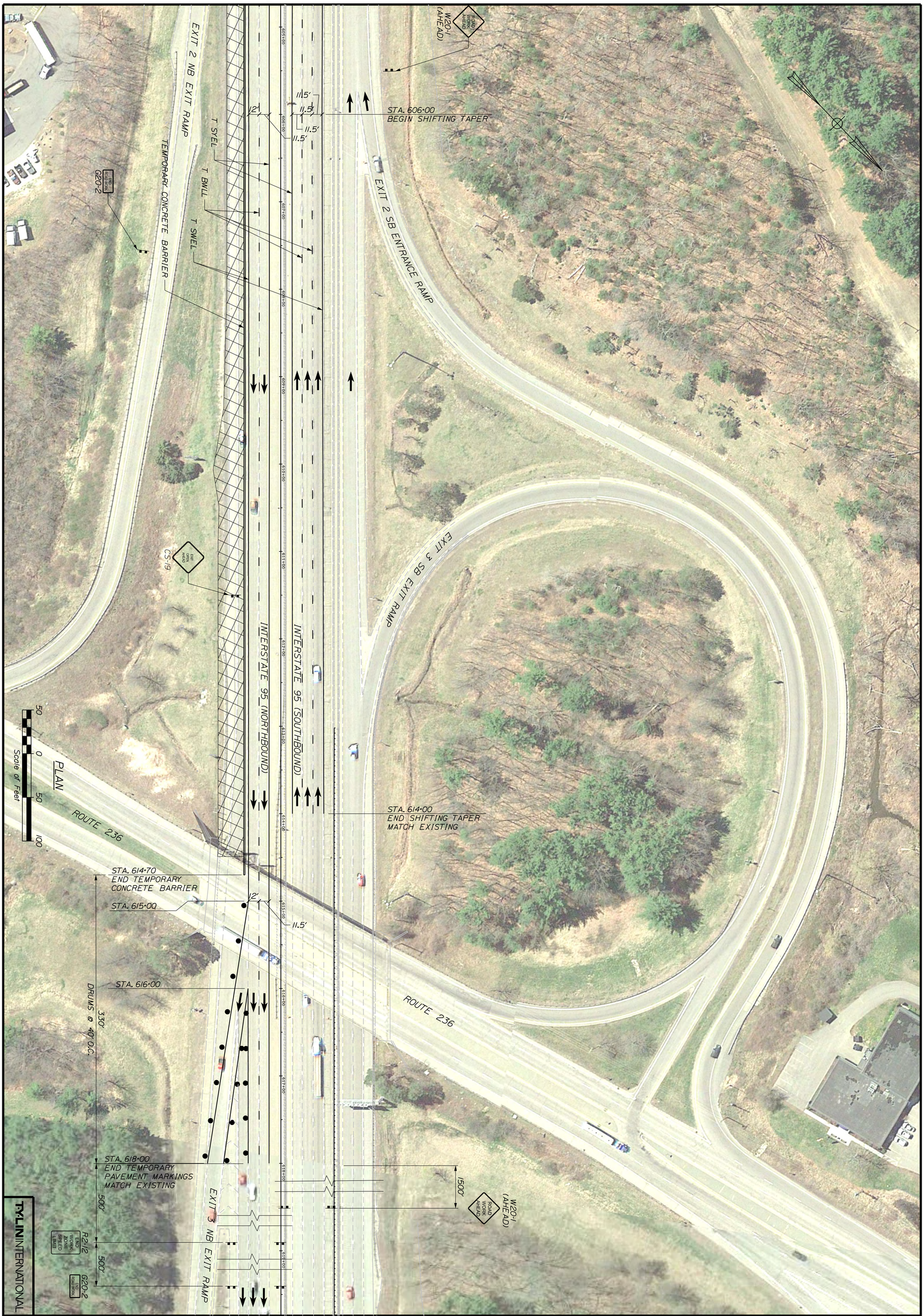
MAINTENANCE OF TRAFFIC PHASE 3 - SHEET 9 OF 10

SHEET NUMBER

128

OF 230

Filename: ...\MSTA\XXX_MOT Phase 3.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 129 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 3 - SHEET 10 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 130 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 4 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 4 - SHEET 2 OF 10

SHEET NUMBER 131 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



50 0 50 100
Scale of Feet

PLAN

TYLIN INTERNATIONAL

SHEET NUMBER 132 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 4 - SHEET 3 OF 10

PROJ. MANAGER Leonne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 4 - SHEET 4 OF 10

SHEET NUMBER 133 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
BRIDGE NOS. 6330 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 4 - SHEET 5 OF 10

SHEET NUMBER 134 OF 230

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 135 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 4 - SHEET 6 OF 10

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

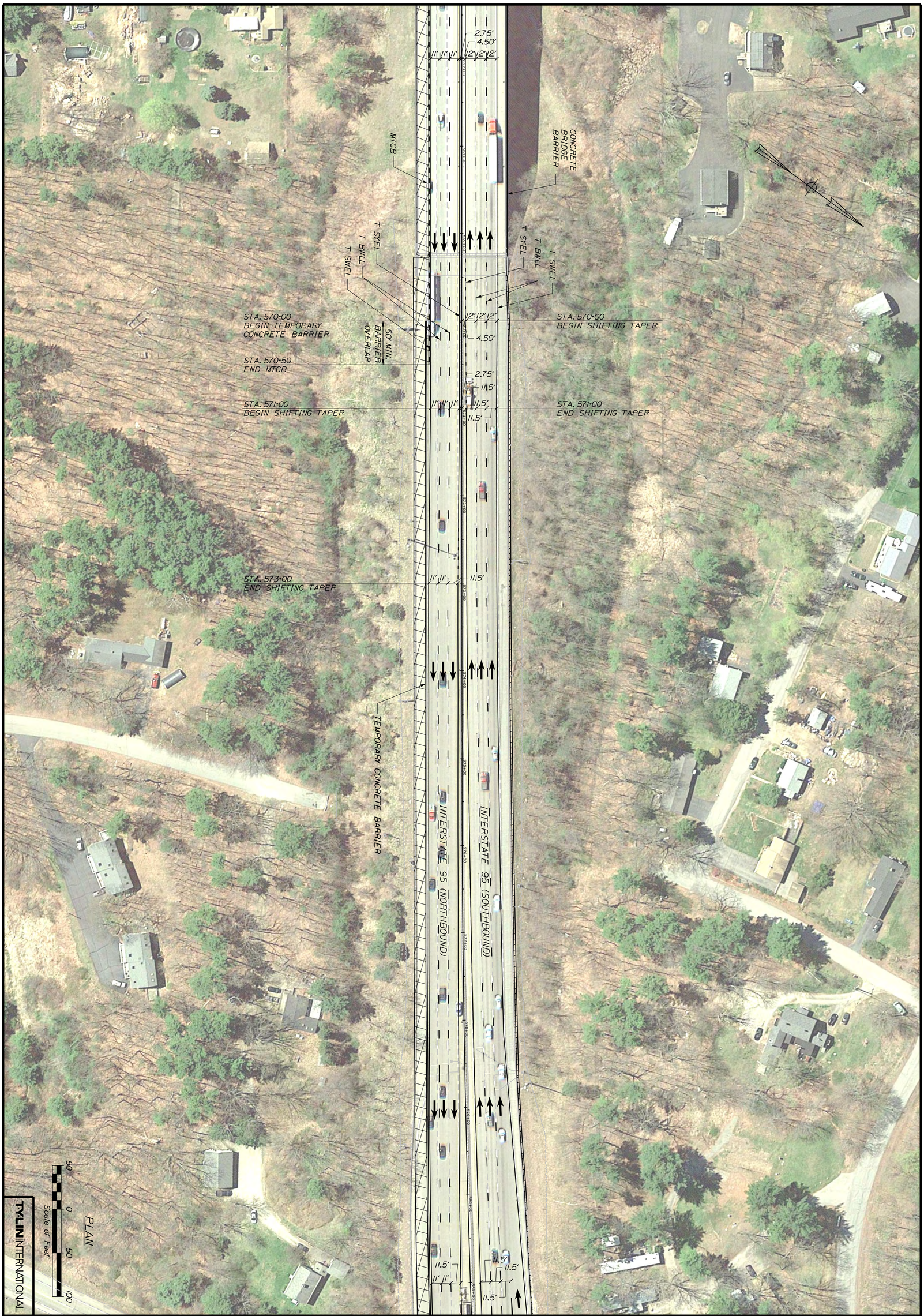
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 4 - SHEET 7 OF 10

SHEET NUMBER 136 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 **WIN 019270.00** BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 4 - SHEET 8 OF 10

SHEET NUMBER 137 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 4 - SHEET 9 OF 10

SHEET NUMBER 138 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

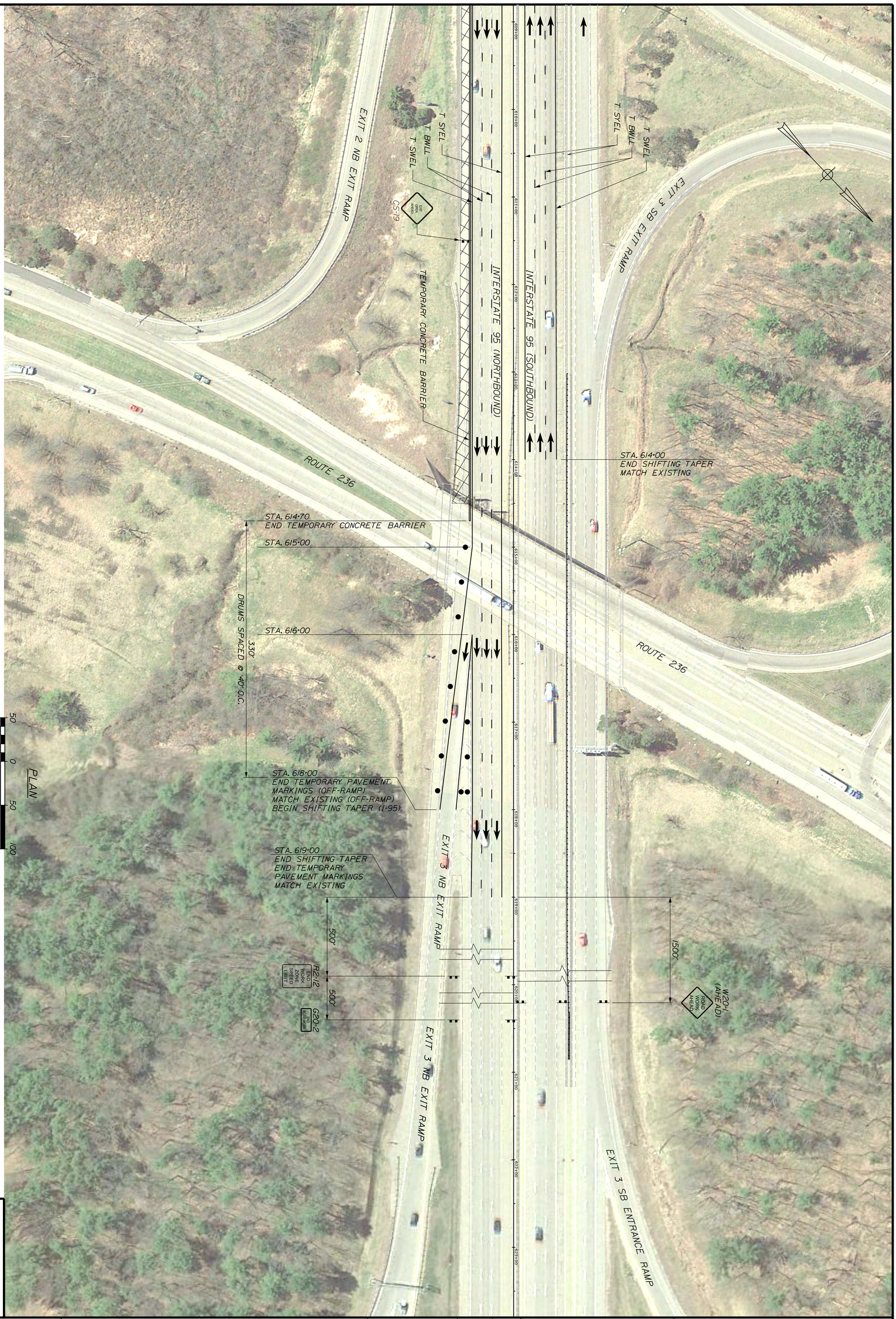
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 4.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 139 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 4 - SHEET 10 OF 10

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
BRIDGE NOS. 6330 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 140 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

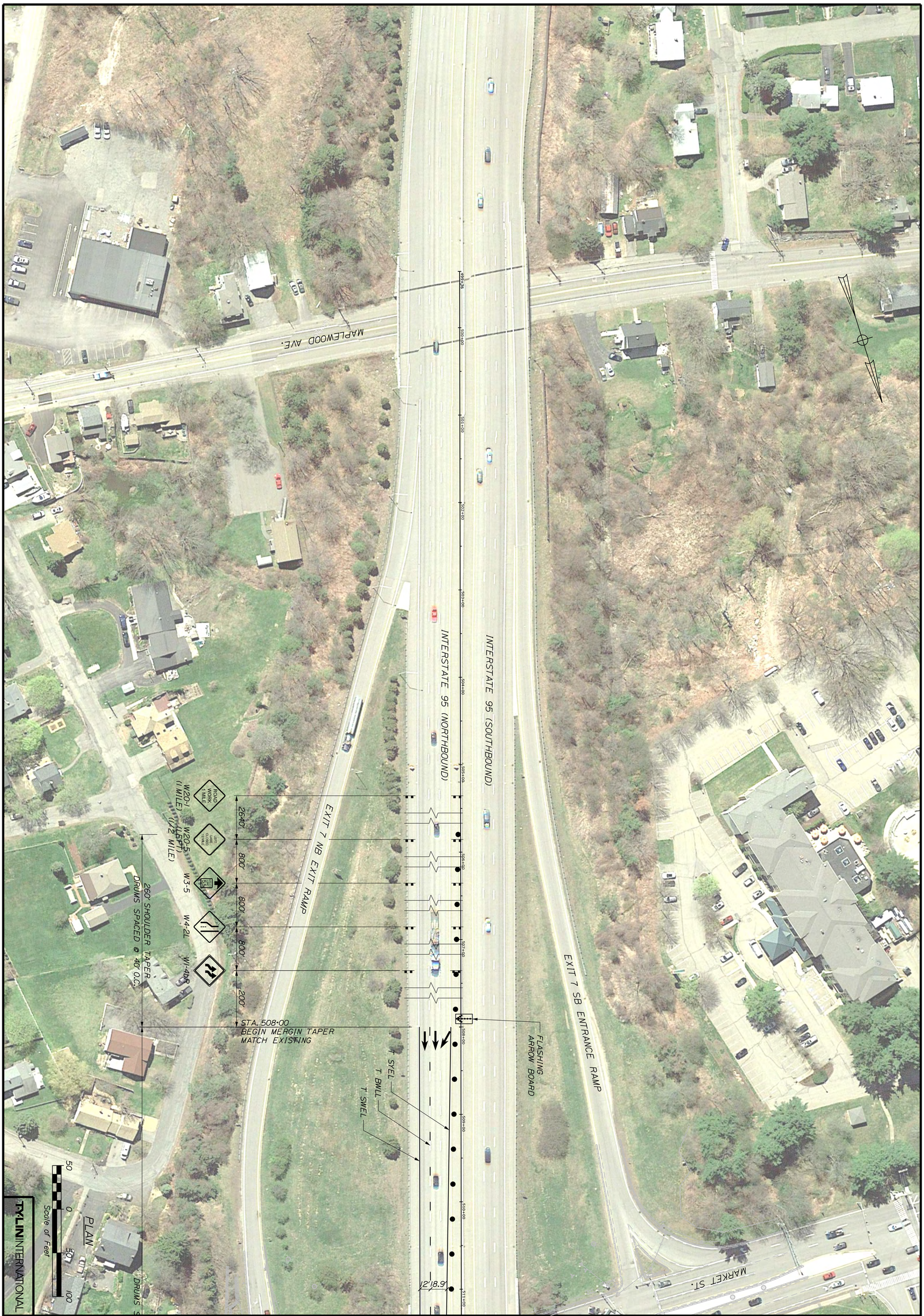
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 5 - SHEET 2 OF 10

SHEET NUMBER 141 OF 230

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018

MARKET ST.

EXIT 7 SB EXIT RAMP

END ROAD WORK G20-2

END ROAD WORK G20-2

END WORK ZONE SPEED LIMIT R2-12

500′ 500′

600′.00′ DRUMS SPACED @ 40′ O.C.

STA. 518+00 BEGIN SHIFTING TAPER MATCH EXISTING

STA. 524+00 END SHIFTING TAPER BEGIN MTCB

ONLY TEMPORARY PAVEMENT MARKING TAPE (ITEMS 627.51 AND 627.54) SHALL BE USED ON DECK OF MARKET STREET BRIDGE

WORK ZONE SPEED LIMIT 55 FINES DOUBLE G20-5aP R2-1 R2-6aP

T SWEL

T SWEL

T BWLL

T SYEL

CONCRETE BRIDGE BARRIER

MTCB

INTERSTATE 95 (SOUTHBOUND)

511+00 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00

ATMSLS

12′ 8.9

12′ 12′

INTERSTATE 95 (NORTHBOUND)

8:1 TAPER

11′ 11′

T SYEL

T BWLL

T SWEL

EXIT 7 NB ENTRANCE RAMP

WORK ZONE CRASH CUSHION (TL-3)

MTCB

CONCRETE BRIDGE BARRIER

STA. 515+00 END MERGING TAPER MATCH EXISTING

STA. 516+00 BEGIN SHIFTING TAPER MATCH EXISTING

STAY IN LANE R4-9

STA. 521+00 BEGIN MTCB TAPER

STA. 523+50 END SHIFTING TAPER

STA. 524+00 END MTCB TAPER

ROAD CLOSED R11-2

MARKET ST.

700′ DRUMS SPACED @ 40′ O.C.

100′ DRUMS SPACED @ 50′ O.C.

750′ DRUMS SPACED @ 40′ O.C.

NOTE:
CONTRACTOR SHOULD CONSIDER CREATING GAP IN EXISTING MEDIAN BARRIER TO FACILITATE MOVEMENT OF BARRIER TRANSFER MACHINE BETWEEN NORTHBOUND AND SOUTHBOUND FOR MOVING MTCB.

PLAN

50 0 50 100

Scale of Feet

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

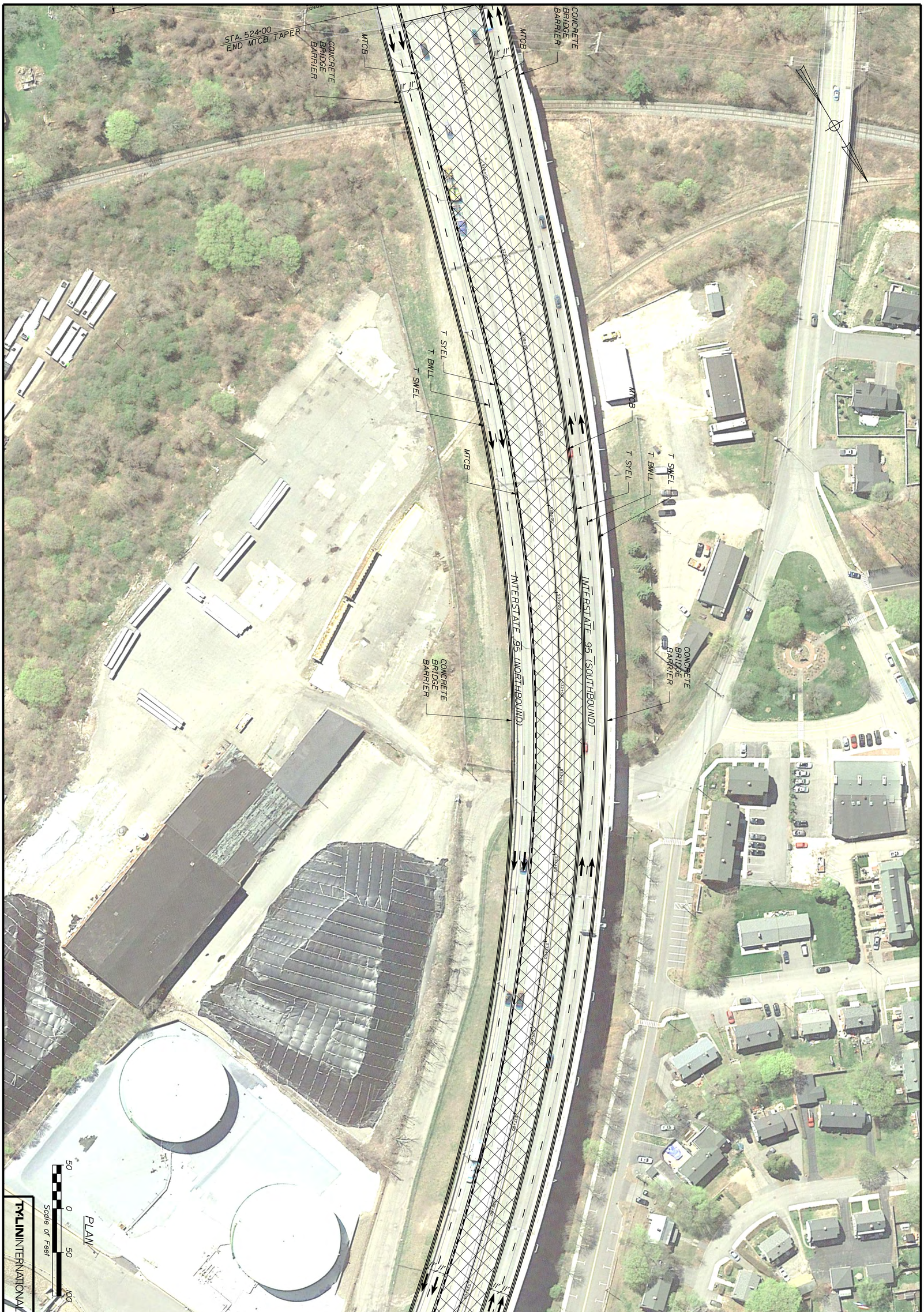
MAINTENANCE OF TRAFFIC PHASE 5 - SHEET 3 OF 10

SHEET NUMBER

142

OF 230

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 5 - SHEET 4 OF 10

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER 143 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 5 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

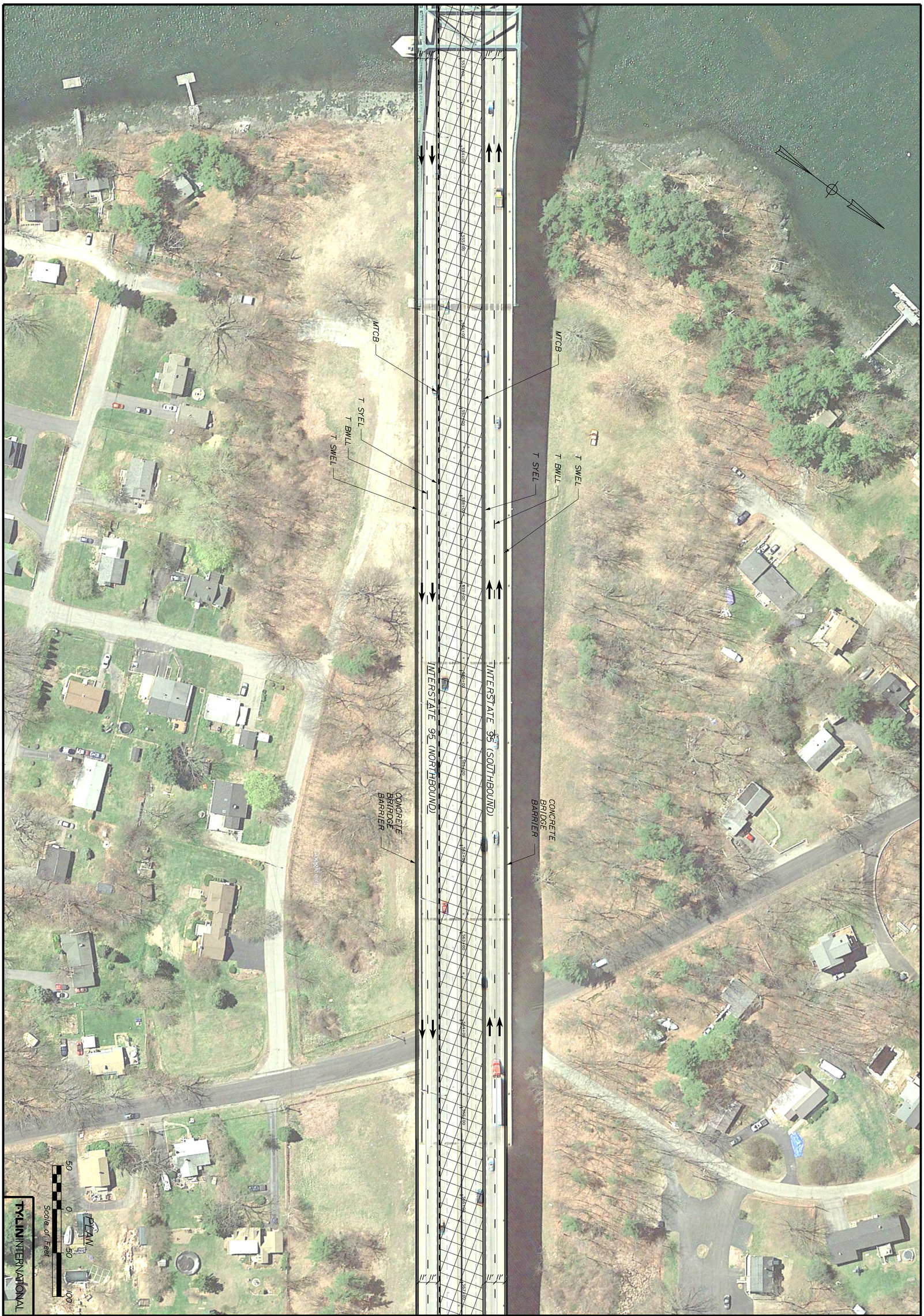
SHEET NUMBER 144 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 145 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 6 OF 10

		BY	DATE
PROJ. MANAGER Leonne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

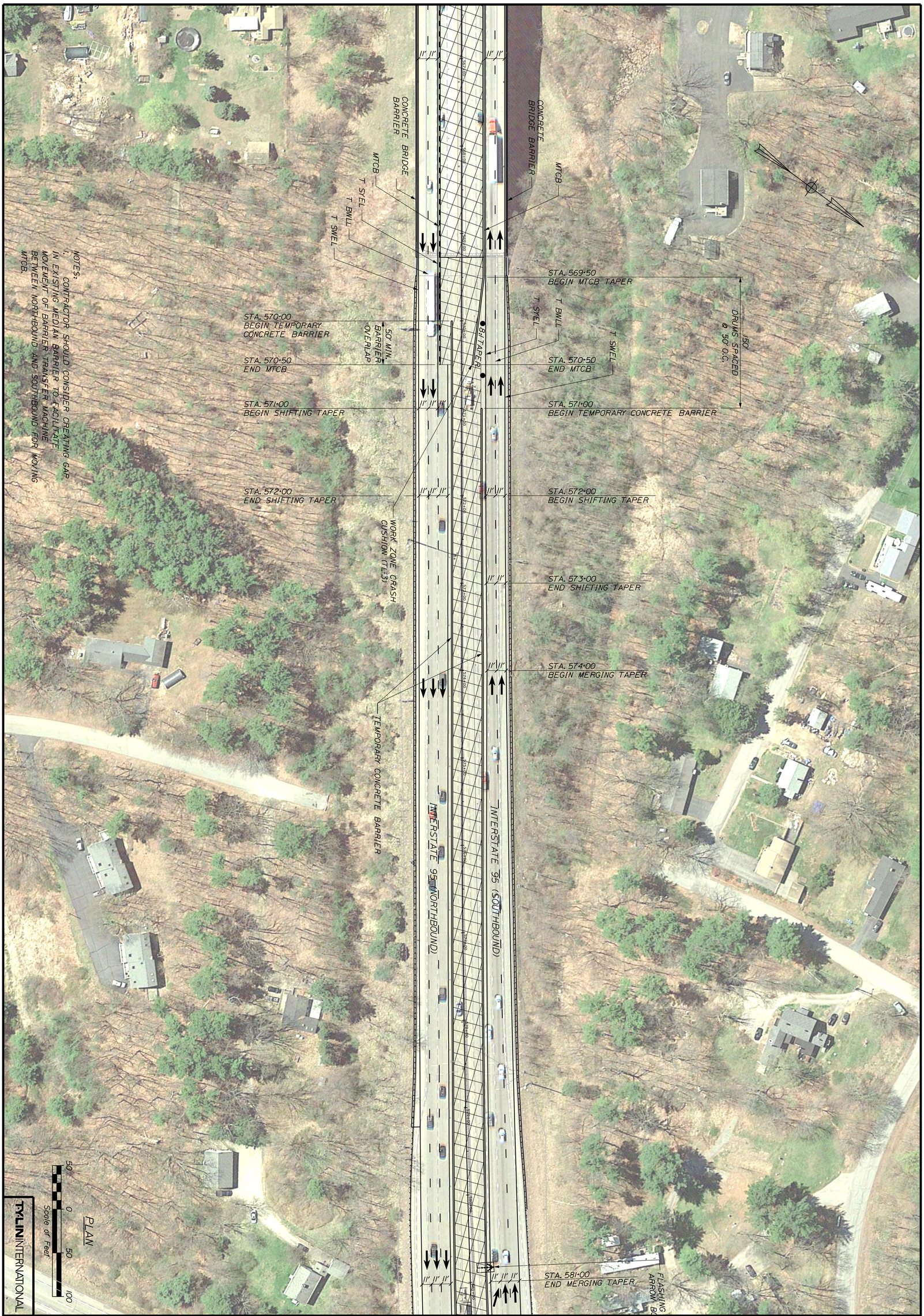
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:
1. CONTRACTOR SHOULD CONSIDER CREATING GAP IN EXISTING MEDIAN BARRIER TO FACILITATE MOVEMENT OF BARRIER TRANSFER MACHINE BETWEEN NORTHBOUND AND SOUTHBOUND FOR MOVING MTCB.

PLAN

Scale of Feet: 50 0 50 100

TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 7 OF 10

SHEET NUMBER 146 OF 230

	PROJ. MANAGER Leonne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN
BRIDGE NOS. 6330 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 147 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 8 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 9 OF 10

SHEET NUMBER 148 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
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FIELD CHANGES			

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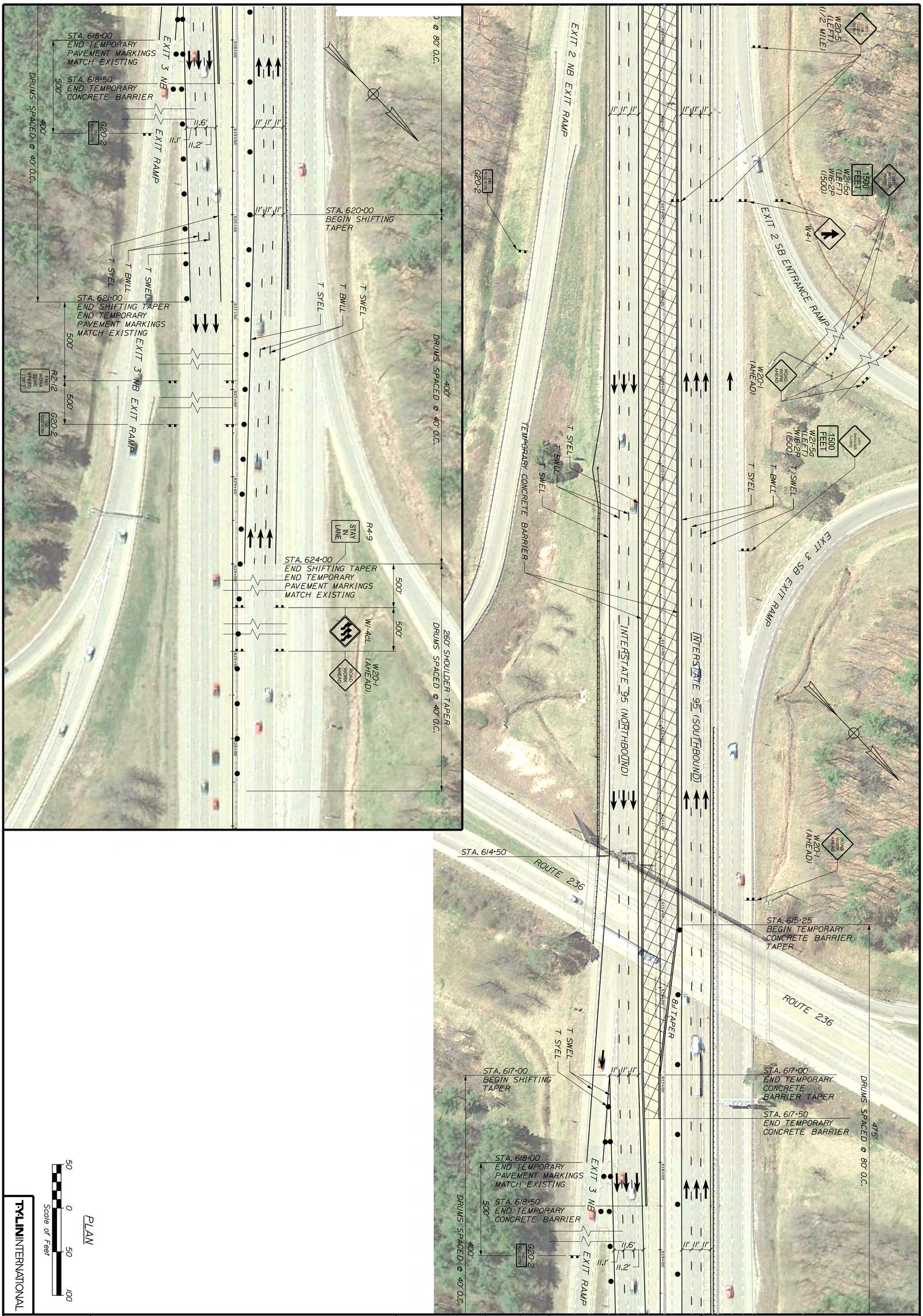
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 5.dgn Division: HIGHWAY Username: Date:11/7/2018



50 0 50 100
Scale of Feet

PLAN

TYLININTERNATIONAL

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER 149 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 5 - SHEET 10 OF 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 150 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 6 - SHEET 1 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 2 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

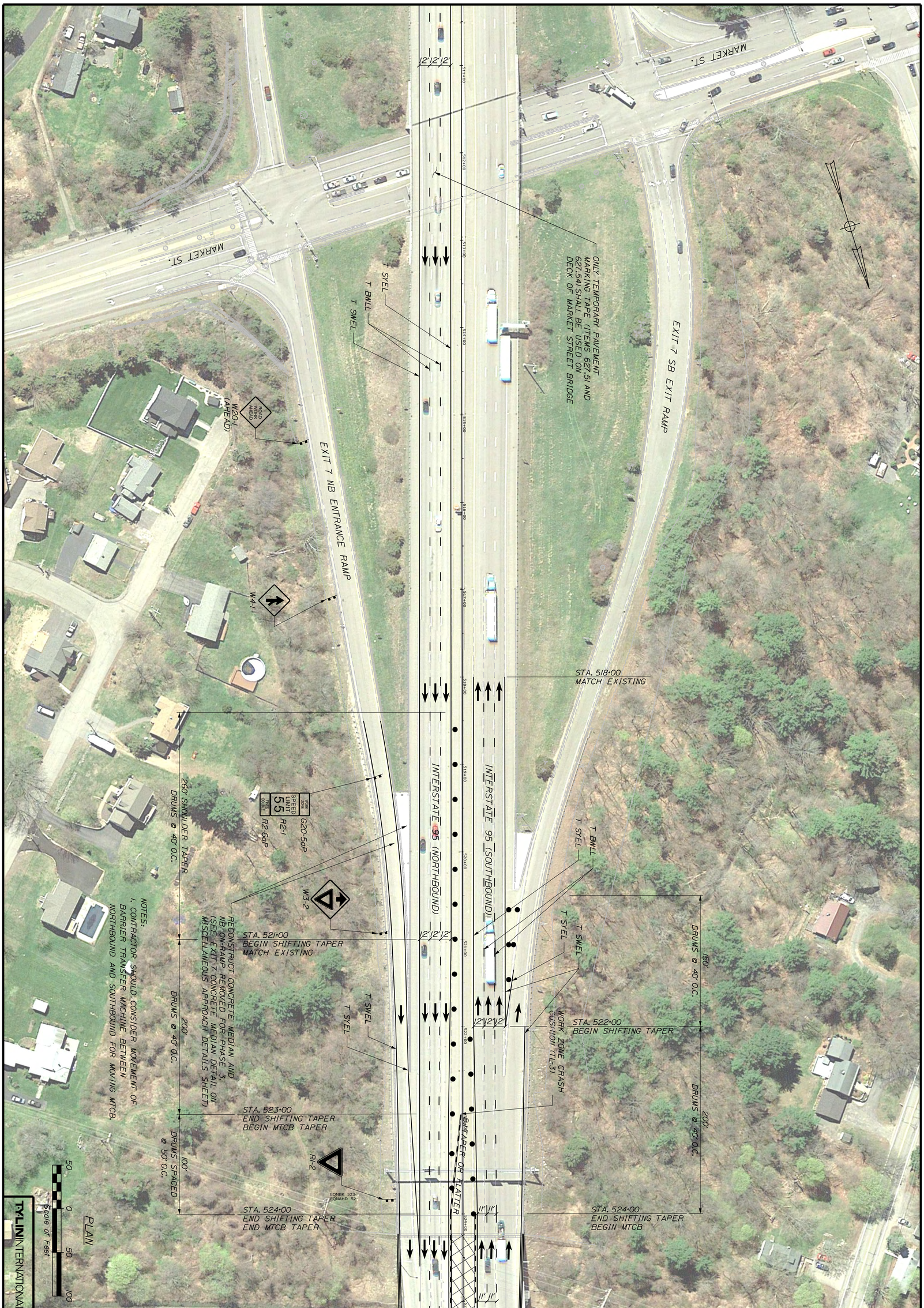
SHEET NUMBER 151 OF 230

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 152 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 3 OF 10

		BY	DATE
PROJ. MANAGER	Leanne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 153 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 4 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 6 - SHEET 5 OF 10

SHEET NUMBER 154 OF 230

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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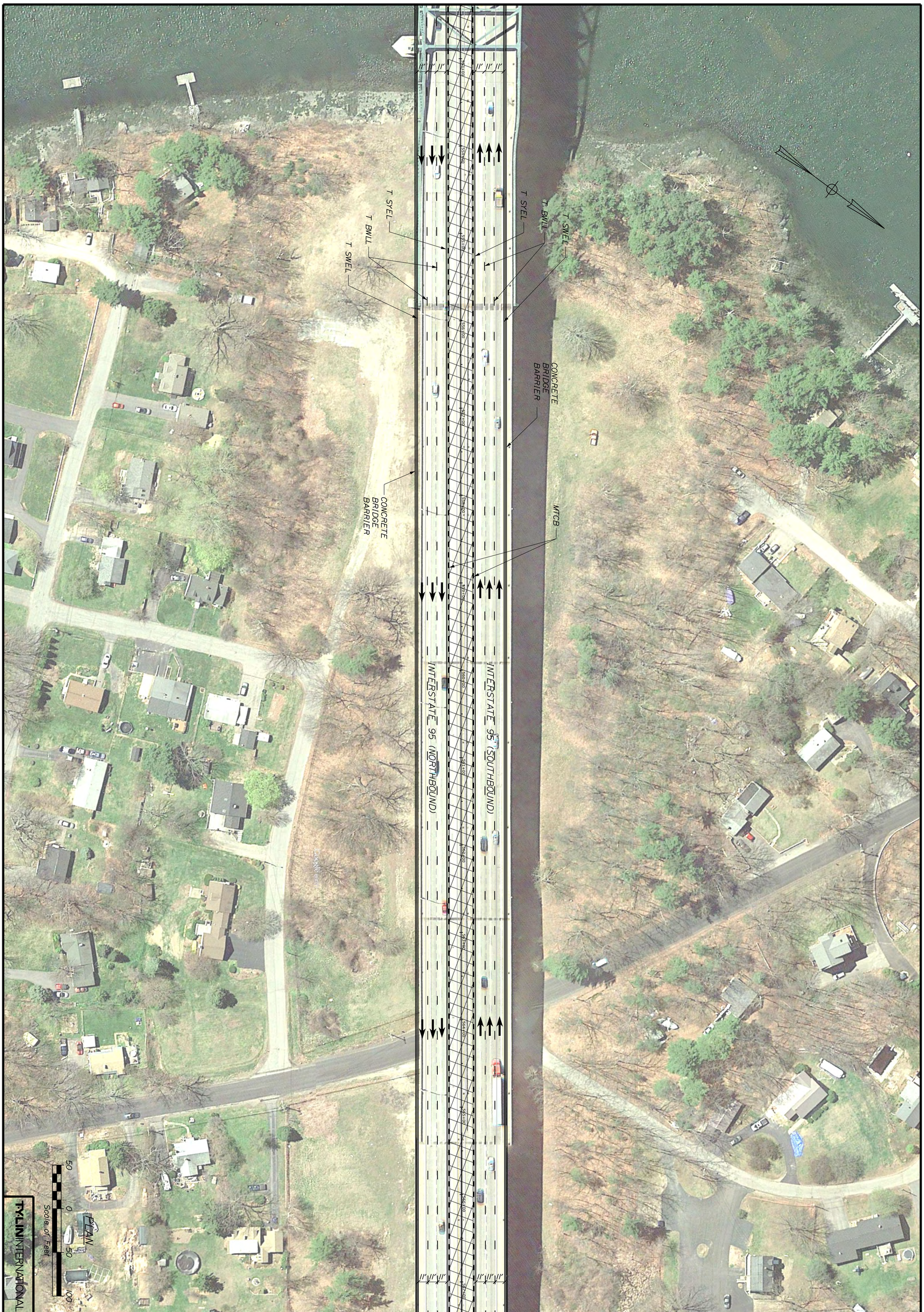
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLIN INTERNATIONAL

SHEET NUMBER 155 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 6 - SHEET 6 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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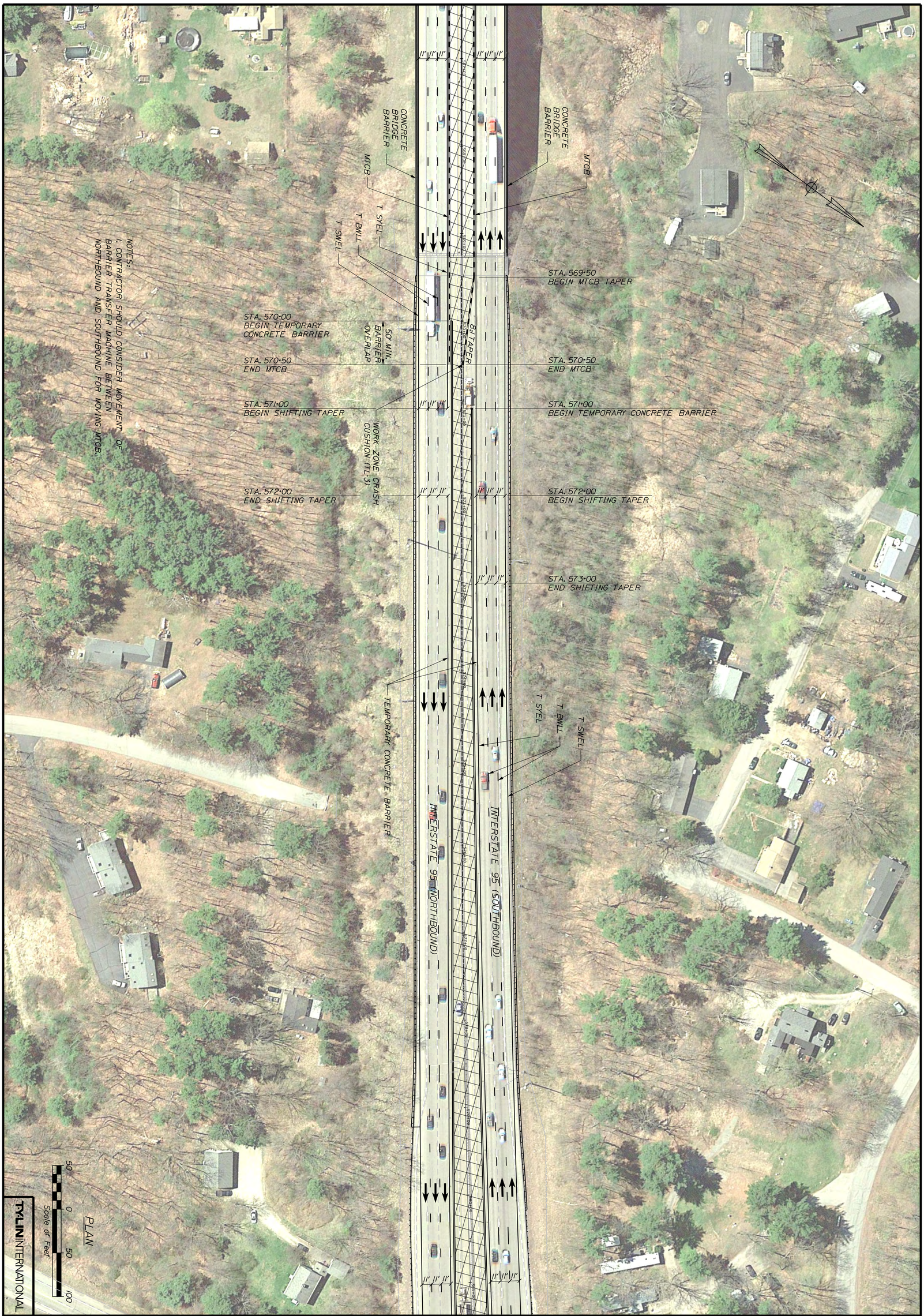
DATE

STATE OF MAINE
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AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



NOTES:
1. CONTRACTOR SHOULD CONSIDER MOVEMENT OF BARRIER TRANSFER MACHINE BETWEEN NORTHBOUND AND SOUTHBOUND FOR MOVING MTCB.

50 0 50 100
Scale of Feet

PLAN

TYLININTERNATIONAL

SHEET NUMBER 156 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 7 OF 10

PROJ. MANAGER Leanne Timberlake		BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS

Filename: ...\MSTA\XXX_MOT Phase 6.dgn Division: HIGHWAY Username: Date:11/7/2018



TYLININTERNATIONAL

SHEET NUMBER 157 OF 230

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC
PHASE 6 - SHEET 8 OF 10

		BY	DATE
PROJ. MANAGER Leanne Timberlake			
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



TYLIN INTERNATIONAL

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 9 OF 10

SHEET NUMBER 158 OF 230

		BY	DATE
PROJ. MANAGER	Leonne Timberlake		
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

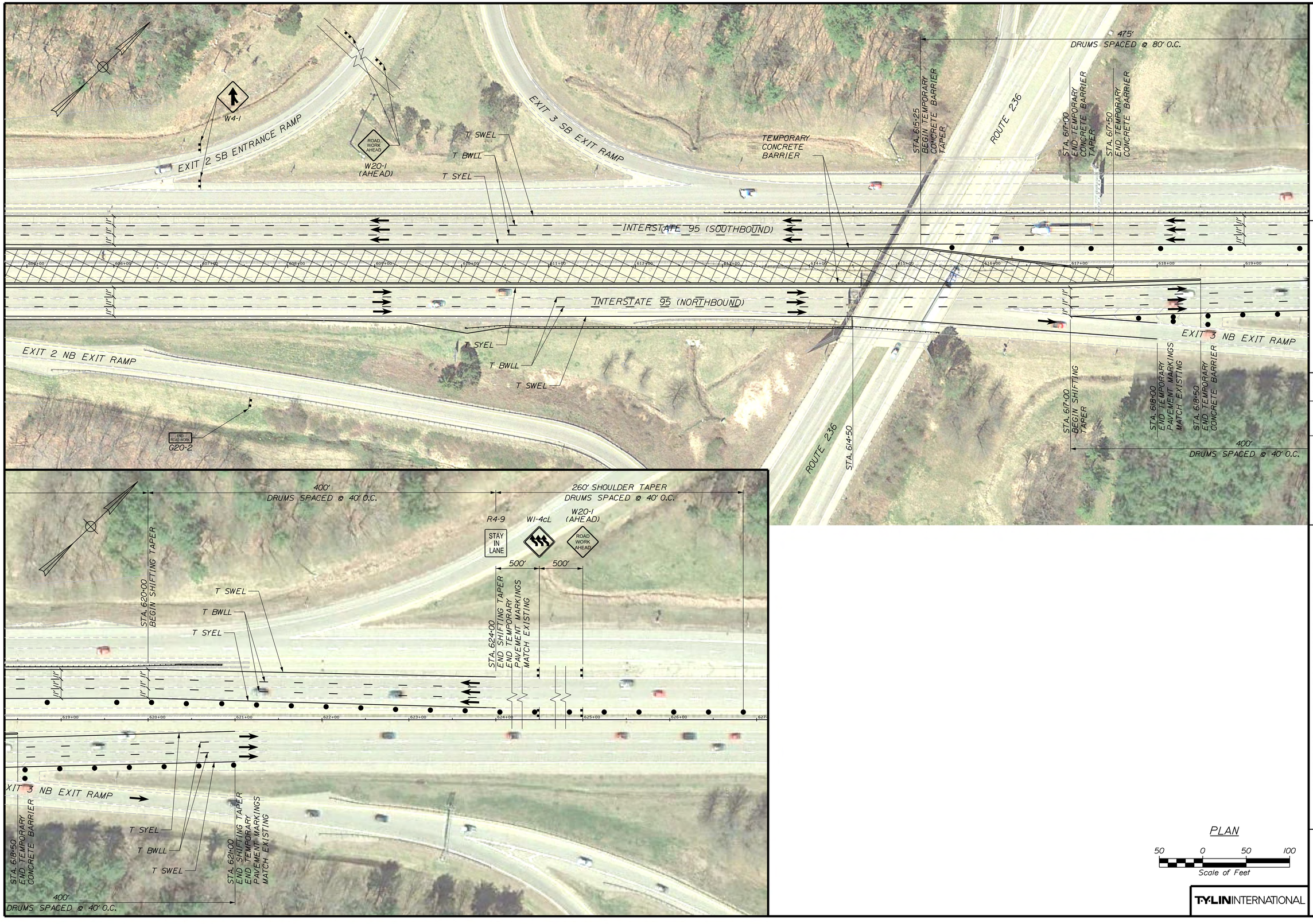
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

BRIDGE NOS. 6330 WIN 019270.00 BRIDGE PLANS



Username:
Date:11/7/2018
Division: HIGHWAY
Filename: ...\MSTA\XXX_MOT Phase 6.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

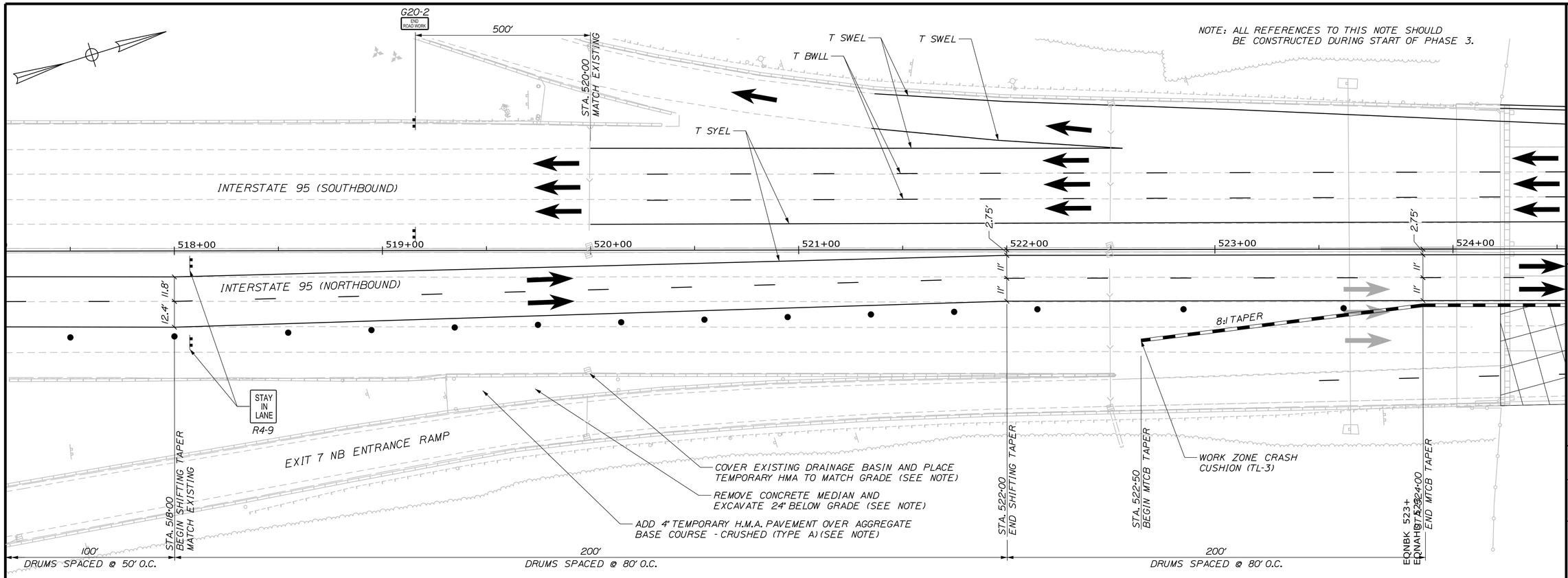
MAINTENANCE OF TRAFFIC PHASE 6 - SHEET 10 OF 10

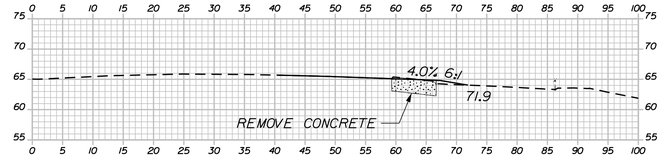
PLAN

50 0 50 100
Scale of Feet

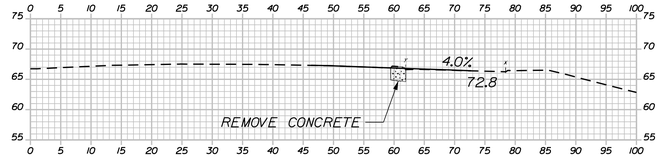
TYLIN INTERNATIONAL

SHEET NUMBER
159
OF 230

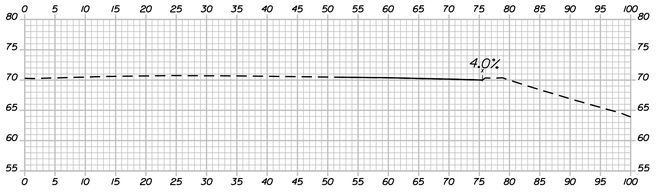




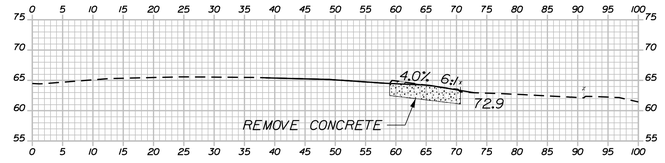
520+50.00



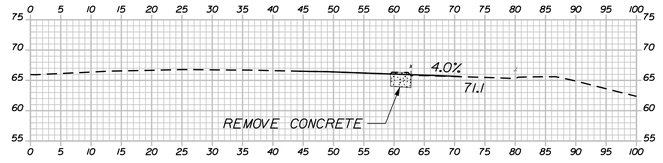
522+00.00



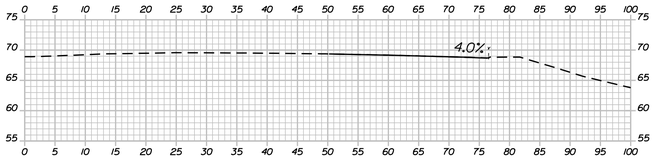
523+50.00



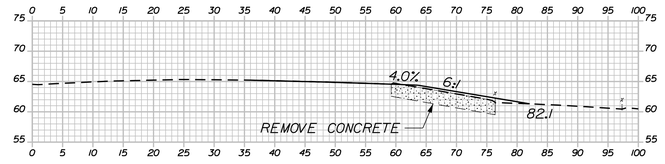
520+00.00



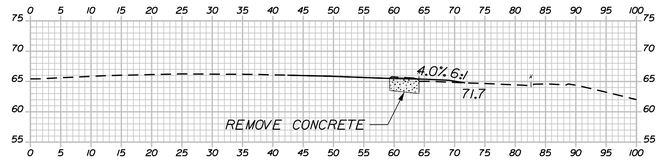
521+50.00



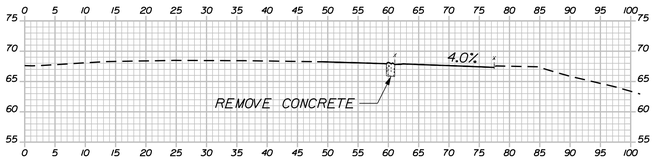
523+00.00



519+50.00



521+00.00



522+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PHASE 3 DETAILS

SHEET NUMBER

160

OF 230

T·Y·LIN INTERNATIONAL

Date:11/7/2018
Username:
Division: HIGHWAY
Filename: ...\MSTA\XXX_Phase 3 Details.dgn

Filename: ...\XXX_MOT_Existing_Signing.dgn Division: HIGHWAY Username: Date:11/7/2018

Changeable Message Board

(Insert NH DOT Symbol) SAFETY PATROL
CALL 8999
SPONSORED BY:
(Insert Standard Logo)

SAVE A LIFE
(Insert Image)
LEAVE MORE SPACE

EXIT 7

WELCOME BIENVENUE TO New Hampshire "Live Free or Die"

EMERGENCY STOPPING ONLY

SOUTH 95 TO Hampton Boston

Exit 7 Market St. Woodbury Ave.

EXIT 7 Port Authority Waterfront Historic Sites

SPEED LIMIT 55

EXIT 7

SOUTH 95 TO Hampton Boston

EXIT 7 Market St Woodbury Ave 1/2 MILE

STATE LINE New Hampshire

STATE LINE Maine VACATIONLAND

EXIT 1 TO 103 Dennett Rd Eliot Maine 1/2 MILE

SPEED LIMIT 55

Exit 1 to 103 Dennett Rd Eliot Maine 1 Mile

YIELD

Bridge Ice

EXIST W4-1R COVER FOR MOT PHASES 3 AND 5 ONLY

LANE ENDS MERGE LEFT

EMERGENCY STOPPING ONLY

WHEN LIGHTS ARE FLASHING NO EXCUSES BUCKLE UP

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MOT EXISTING SIGNING
SHEET 1 OF 2

SHEET NUMBER
161
OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\XXX_MOT_Existing_Signing.dgn Username: Division: HIGHWAY Date:11/7/2018

INTERSTATE 95

Portsmouth NH
NEXT 3 EXITS
Downtown
EXIT 7

CROSS WINDS
ON BRIDGE

EXIT 1
TO 103 Eliot
Kittery Foreside
Navy Yard
1/4 MILE
Kittery NEXT 3 EXITS

SPEED LIMIT 65

Kittery Mall Rd
EXIT 3

Exit 1

SPEED LIMIT 65

EXIT 3
NORTH
1 236
Coastal Route
Kittery
S. Berwick
1/2 MILE

EXIT 2
SOUTH BY-PASS
1 236 1
Kittery Center
Memorial Circle
1/4 MILE

EXIT 1
TO 103 Eliot
Kittery Foreside
Navy Yard

COVER FOR MOT PHASES 3 TO 6 ONLY

EXIT 30 MPH

COVER FOR MOT PHASES 3 TO 6 ONLY

EXIT 1

MAINE HONORS OUR TROOPS
THANK YOU FOR YOUR SERVICE!

COVER FOR MOT PHASES 1, 2, 5, AND 6 ONLY

EXIT 2
TRUCK REST STOP

EXIT 3
NORTH
95
Portland
Augusta

EXIT 3
NORTH
1 236
Coastal Route
Kittery
S. Berwick
1/4 MILE

EXIT 2
SOUTH BY-PASS
1 236 1
Kittery Center
Memorial Circle

SOUTH
95

BOATERS REMOVE ALL PLANTS
STICKERS AT INFO CTR.

MAINE STATE LAW
FOR YOUR SAFETY
BUCKLE UP!

MILE 1

EXIT 30 MPH

EXIT 2

WELCOME TO MAINE
The Way Life Should Be
OPEN FOR BUSINESS

EXIT 3

MAINE STATE LAW
BOATERS REMOVE ALL PLANTS
STICKERS AT INFO. CTR.

EXIT 3
NORTH
95
Portland
Augusta

EXIT 3
NORTH
1 236
Coastal Route
Kittery
S. Berwick

EXIT 2

SHARP CURVE 15 M.P.H.

RAMP 30 MPH

SOUTH
95
New Hampshire
Massachusetts

EXIT 2
BY-PASS
1 236 1
South Berwick
Kittery
NEXT RIGHT

EXIT 3

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MOT EXISTING SIGNING
SHEET 2 OF 2

SHEET NUMBER
162
OF 230

TY·LIN INTERNATIONAL

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERTICAL SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	COLOR LEGEND BORDER	BORDER RADIUS	AREA IN SQUARE FEET	NOTES
CS-1	48"	48"	EXPECT STOPPED TRAFFIC	6" 6" 6"	4" 4"		2	ORANGE	BLACK		16.00 (32)	
CS-2	102"	18"	VIA EXIT 2	10" EM	4" 4"		1	ORANGE	BLACK		12.75 (12.75)	NO BORDER
CS-3	168"	42"	EXIT CLOSED	15" E	13.5" 13.5"		2	ORANGE	BLACK		49 (98)	
CS-4	24"	24"			9"	6"	1	ORANGE	BLACK		4.00 (4)	NO BORDER
CS-5	72"	54"	I-95 SB DENNETT RD ON RAMP CLOSED	8D 8D 8D 8D	5 4 4 4 5		4	ORANGE	BLACK		27.00 (108)	
CS-6	48"	24"	NEXT EXIT	8"C	2 4 2		2	ORANGE	BLACK		8.00 (16)	
CS-10	48"	48"	TRUCKS ENTERING	7" 7"	6"		2	ORANGE	BLACK		16.00 (32)	
CS-11	48"	48"	NO STOPPING ON PAVEMENT	6" 6" 6"	4" 4"		2	ORANGE	BLACK		16.00 (32)	
CS-19	48"	48"	EXIT OPEN AHEAD	6" 6" 6"	4" 4"		1	ORANGE	BLACK		16.00 (16)	
CS-33	96"	36"	WATCH FOR TRUCKS ENTERING/LEAVING WORK AREA	6" 6" 6"	4" 4"		4	ORANGE	BLACK		24.00 (96)	
CS-53 (LEFT) (RIGHT)	48"	48"					1 1	ORANGE	BLACK		16.00 (16) (16)	
CS-57	84"	48"	WIDE LOADS PROHIBITED EXIT 2	8" C	6"		1	ORANGE	BLACK		28.00 (28)	

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERTICAL SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	COLOR LEGEND BORDER	BORDER RADIUS	AREA IN SQUARE FEET	NOTES
E5-1	72"	60"	EXIT	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009 & 2012 SUPPLEMENT			1	GREEN	WHITE		30.00 (30)	
E5-2 (OPEN)	60"	48"	EXIT OPEN				2	ORANGE	BLACK		20.00 (40)	
E5-2a	48"	36"	EXIT CLOSED				1	ORANGE	BLACK		12.00 (12)	
G20-1	48"	24"	ROAD WORK NEXT 2 MILES				4	ORANGE	BLACK		8.00 (32)	
G20-2	48" 36"	24" 18"	END ROAD WORK				4 3	ORANGE	BLACK		8.00 (32) 4.50 (13.5)	
G20-5aP	48"	24"	WORK ZONE				4	ORANGE	BLACK		8.00 (32)	
M1-1	24"	24"	INTERSTATE 95				16	RED/ BLUE	WHITE		4.00 (64)	
M3-1 (NORTH)	24"	12"	NORTH				12	WHITE	BLACK		2.00 (24)	
M4-8 (MOD)	48"	30"	TRUCK DETOUR				8	ORANGE	BLACK		10.00 (80)	
M6-1 (LEFT) (RIGHT)	30"	24"					3 3	WHITE	BLACK		5.00 (15) (15)	
M6-2 (LEFT) (RIGHT)	30"	24"					1 5	WHITE	BLACK		5.00 (5) (25)	
M6-3	30"	24"					5	ORANGE	BLACK		5.00 (25)	
R1-2	36"	36"	YIELD				2	WHITE	RED		3.90 (7.8)	
R2-1	48"	60"	SPEED LIMIT XX				8	WHITE	BLACK		20.00 (100)	
R2-6aP	48"	24"	FINES DOUBLE				8	WHITE	BLACK		8.00 (64)	
R2-12	36"	54"	END WORK ZONE SPEED LIMIT				4	WHITE	BLACK		13.5 (54)	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MOT SIGN SUMMARY
SHEET 1 OF 3

SHEET NUMBER
163
OF 230

TYLIN INTERNATIONAL

Filename: ...\XXX_MOT_Sign_Summary_01.dgn Division: HIGHWAY Username: Date:11/7/2018

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERTICAL SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	COLOR LEGEND BORDER	BORDER RADIUS	AREA IN SQUARE FEET	NOTES
R4-9	36"	48"	STAY IN LANE	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009 & 2012 SUPPLEMENT			5	WHITE	BLACK		12.00 (60)	
R5-2	24"	24"					2	WHITE	RED/ BLACK		4.00 (8)	
RII-2	48"	30"	ROAD CLOSED				4	WHITE	BLACK		10.00 (40)	
WI-4R	48"	48"					1	ORANGE	BLACK		16.00 (16)	
WI-4bR	48"	48"					2	ORANGE	BLACK		16.00 (32)	
WI-4bL	48"	48"					2	ORANGE	BLACK		16.00 (32)	
WI-4cL	48"	48"					3	ORANGE	BLACK		16.00 (48)	
W3-2	48"	48"	YIELD				2	ORANGE	BLACK		16.00 (32)	
W3-4	48"	48"	BE PREPARED TO STOP				2	ORANGE	BLACK		16.00 (32)	
W3-5	48"	48"	SPEED LIMIT XX				2	ORANGE	BLACK		16.00 (32)	

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERTICAL SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	COLOR LEGEND BORDER	BORDER RADIUS	AREA IN SQUARE FEET	NOTES
W4-1	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009 & 2012 SUPPLEMENT			3	ORANGE	BLACK		16.00 (48)	
W4-2 (LEFT) (RIGHT)	48"	48"					4 2	ORANGE	BLACK		16.00 (64) (32)	
W5-4	48"	48"	LANE NARROWS				4	ORANGE	BLACK		16.00 (64)	
W7-3aP	36"	30"	NEXT X FEET				2	ORANGE	BLACK		7.50 (15)	
W8-1	48"	48"	BUMP				4	ORANGE	BLACK		16.00 (64)	
W8-11	48"	48"	UNEVEN LANES				2	ORANGE	BLACK		16.00 (32)	
W8-15	48"	48"	GROOVED PAVEMENT				2	ORANGE	BLACK		16.00 (32)	
W8-15P	30"	24"					2	ORANGE	BLACK		5.00 (10)	
W8-24a	48"	48"	RUMBLE STRIPS AHEAD				2	ORANGE	BLACK		16.00 (32)	

Username:
Division: HIGHWAY
Date:11/7/2018
Filename: ...\XXX_MOT_Sign_Summary_01.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	TWA	10/18
CHECKED-REVIEWED	KSD	10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

MOT SIGN SUMMARY
SHEET 2 OF 3

SHEET NUMBER
164
OF 230

TY LIN INTERNATIONAL

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERTICAL SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	COLOR LEGEND BORDER	BORDER RADIUS	AREA IN SQUARE FEET	NOTES
W13-4p	30"	24"	ON RAMP	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009 & 2012 SUPPLEMENT			1	ORANGE	BLACK		5.00 (5)	
W16-2P (1000) (1500)	30"	24"	XXXX FEET				2 3				5.00 (10) (15)	
W16-9p	24"	12"	AHEAD				1	ORANGE	BLACK		2.00 (2)	
W20-1 (1 MILE) (AHEAD) (AHEAD)	48" 48" 36"	48" 48" 36"	ROAD WORK XXX				4 7 2	ORANGE	BLACK		16.00 (112) (160) 9.00 (18)	
W20-4	36"	36"	ONE LANE ROAD AHEAD				4	ORANGE	BLACK		9.00 (36)	
W20-5 (LEFT) (RIGHT) (AHEAD) (1/2 MILE)	48"	48"	XXX LANE CLOSED XXX				5 5	ORANGE	BLACK		16.00 (80) (80)	
W20-5a (LEFT) (RIGHT)	48"	48"	2 XXX LANES CLOSED 1/2 MILE				2 2	ORANGE	BLACK		16.00 (32) (32)	
W20-7a	36"	36"					2	ORANGE	BLACK		9.00 (18)	
W21-5	48"	48"	SHOULDER WORK				2	ORANGE	BLACK		16.00 (32)	
W21-5a (RIGHT) (LEFT)	48"	48"	XXX SHOULDER CLOSED				5 4	ORANGE	BLACK		16.00 (80) (64)	
W21-5b (RIGHT) (LEFT)	48"	48"	XXX SHOULDER CLOSED 1000 FT				1 3	ORANGE	BLACK		16.00 (16) (48)	

Filename: ...\XXX_MOT_Sign_Summary_01.dgn Username: Division: HIGHWAY Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	TWA	SAM	10/18
CHECKED-REVIEWED	KSD	KSD	10/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

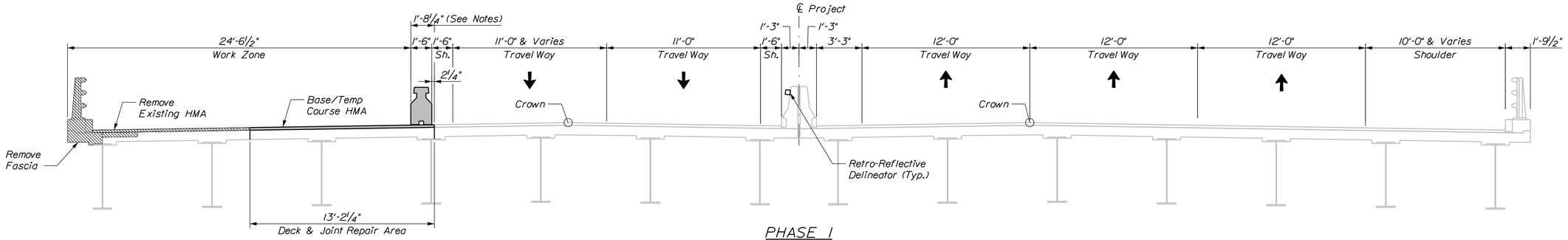
MOT SIGN SUMMARY
SHEET 3 OF 3

SHEET NUMBER

165

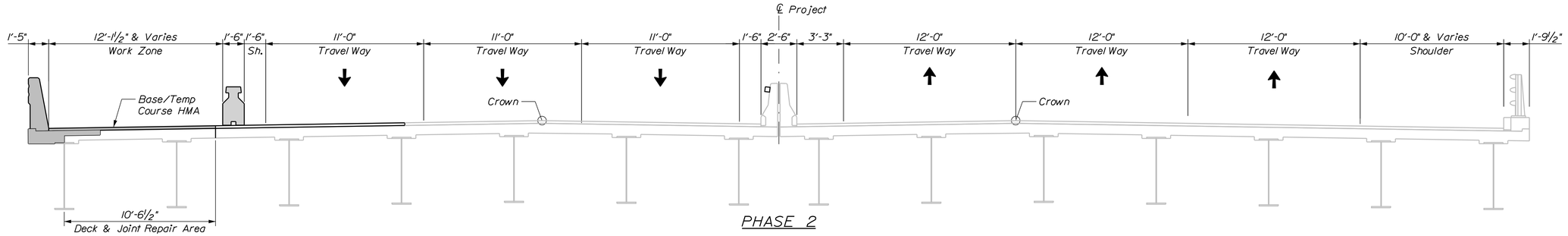
OF 230

TY-LIN INTERNATIONAL

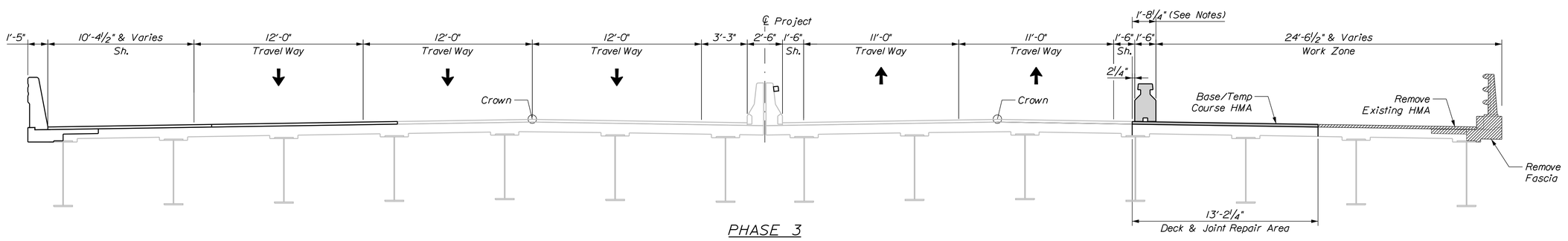


PHASE 1

(Reduce workzone to Phase 2 configuration as needed for snow storage)



PHASE 2



PHASE 3

(Reduce workzone to Phase 4 configuration as needed for snow storage)

NOTES:

1. Work beneath and beyond Movable Temporary Concrete Barrier to occur during temporary lane closures.
2. No temporary plate protecting items of work beneath and beyond the barrier (such as holes in the deck or freshly-placed concrete) may extend more than 3" beyond the face of the barrier into the shoulder.
3. All temporary plates protecting items of work beneath and beyond the barrier shall be gradually sloped such that the barrier maintains good contact with the ground (in accordance with manufacturer recommendations) and such that they present no snagging hazard to traffic or snowplows within the roadway.
4. Retro-Reflective Delineators placed on permanent barriers will not be measured separately for payment, but will be considered incidental to related Contract items as specified in Special Provision 652.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake		BY	DATE
DESIGN-DETAILED	D. Myers	S. Morgan	9/28
CHECKED-REVIEWED	C. Taylor	D. Myers	9/28
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BRIDGE STAGED CONSTRUCTION SHEET 1 OF 2

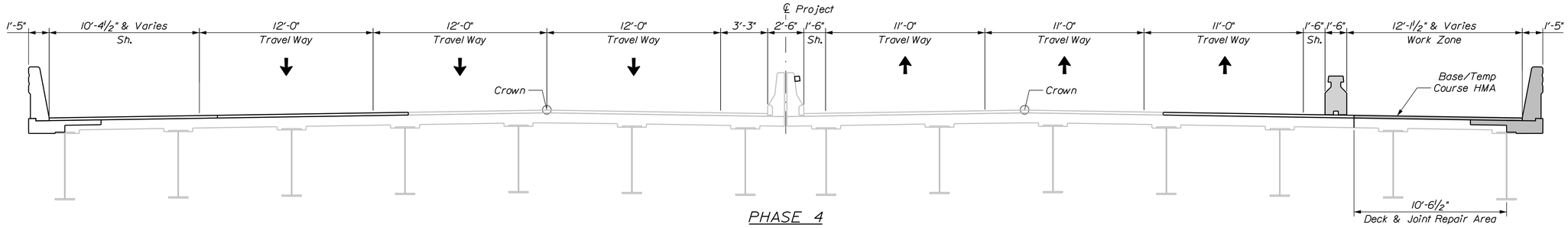
SHEET NUMBER

166

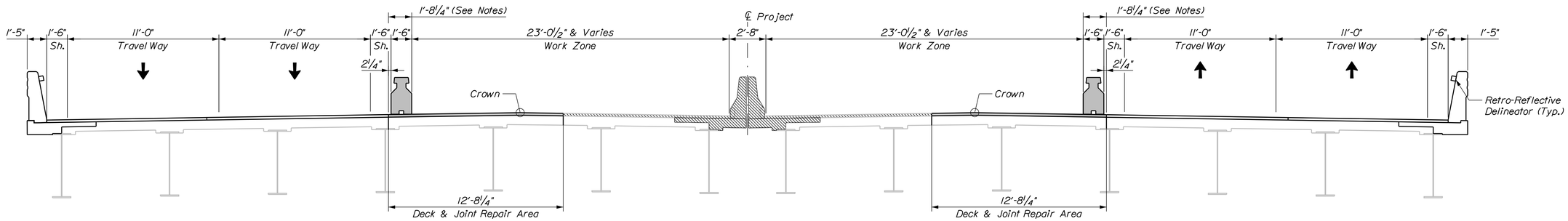
OF 230

T·Y·LIN INTERNATIONAL

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\MSTA\xxx_Const_Phasing.dgn

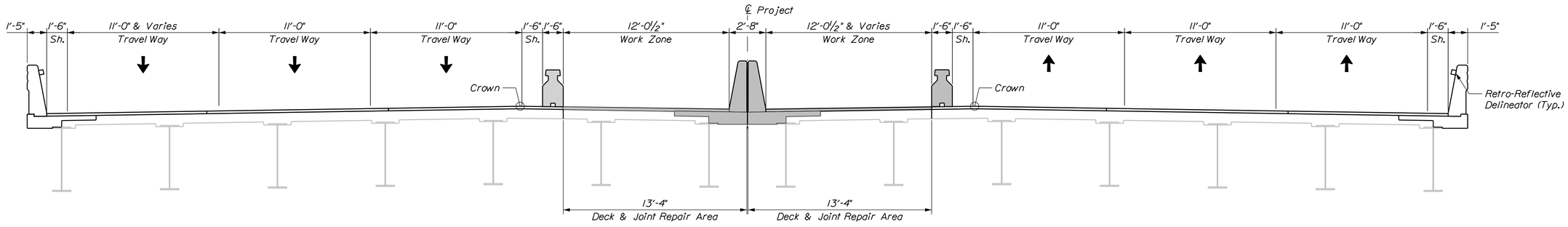


PHASE 4



PHASE 5

(Reduce workzone to Phase 6 configuration as needed for snow storage)



PHASE 6

NOTES:

1. See notes on sheet "Bridge Staged Construction Sheet 1 of 2"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	D. Myers	S. Morgan	9/28
CHECKED-REVIEWED	D. Myers	C. Taylor	9/28
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BRIDGE STAGED CONSTRUCTION SHEET 2 OF 2

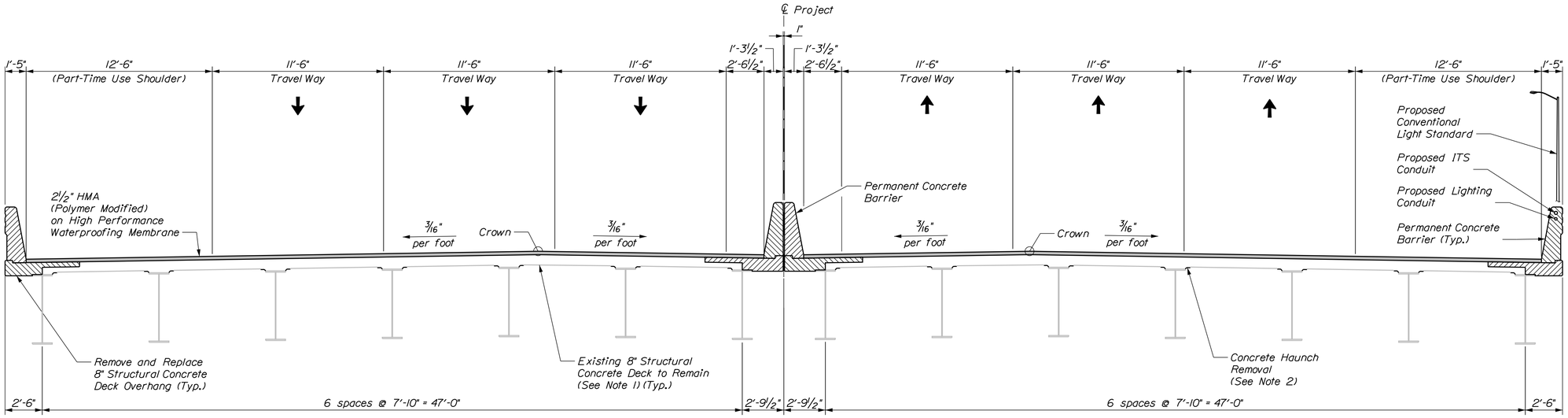
SHEET NUMBER

167

OF 230

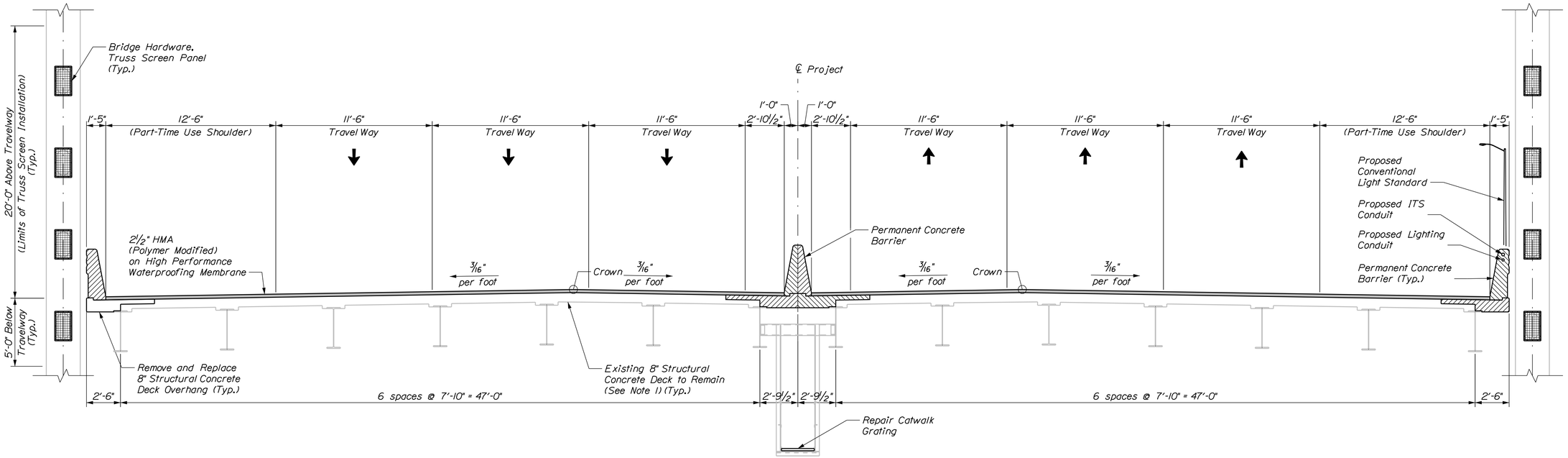
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Filename: ...\MSTA\xxx_Const_Phasing.dgn Division: HIGHWAY Username: Date:11/7/2018



TRANSVERSE APPROACH SECTION

(Maine approach spans shown, similar rehabilitation proposed for NH approach spans)



TRANSVERSE TRUSS SECTION

NOTES:

1. Repair all existing concrete deck to remain as directed by the Engineer. Payment will be made under 518 pay items. Galvanic anodes in concrete repairs shall be installed as specified in Special Provision 655 and will be paid for under 655 pay items.
2. See sheet "Concrete Haunch Removal Details" for details and locations where concrete haunches are to be removed.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

P.E. NUMBER

DATE

SIGNATURE

	BY	DATE
PROJ. MANAGER Leanne Timberlake	S. Morgan	9/18
DESIGN-DETAILED D. Myers	D. Myers	9/18
CHECKED-REVIEWED C. Taylor		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BRIDGE TYPICAL SECTIONS

SHEET NUMBER

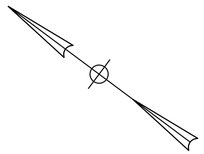
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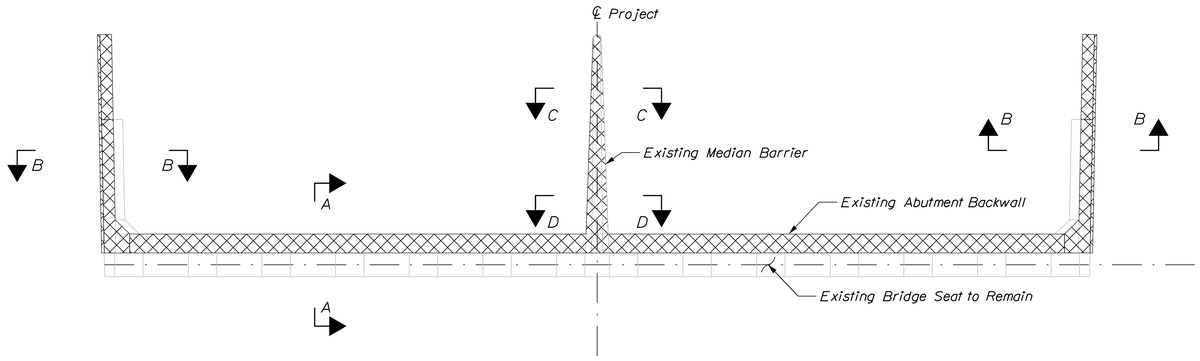
OF 230

TYLIN INTERNATIONAL

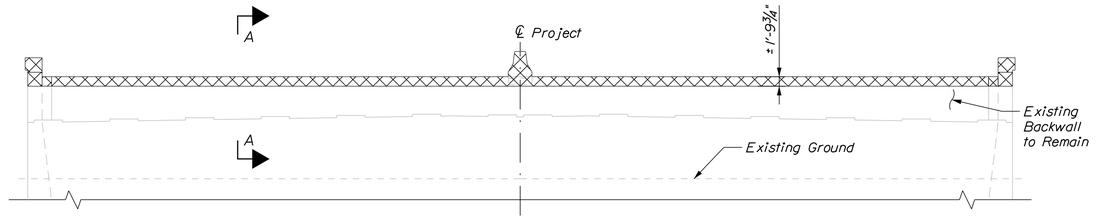
Date:11/7/2018

Filename: ...\MSTA\xxx_Trans_Section_01.dgn Division: HIGHWAY Username:





PLAN



ELEVATION

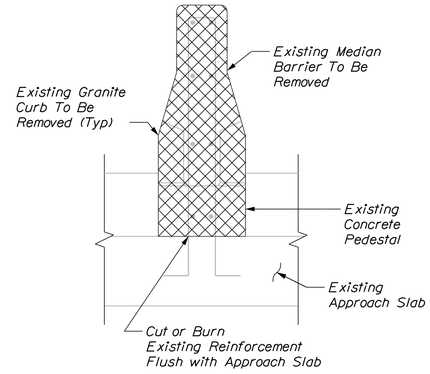
(North Abutment Shown, South Abutment Similar)

NOTES:

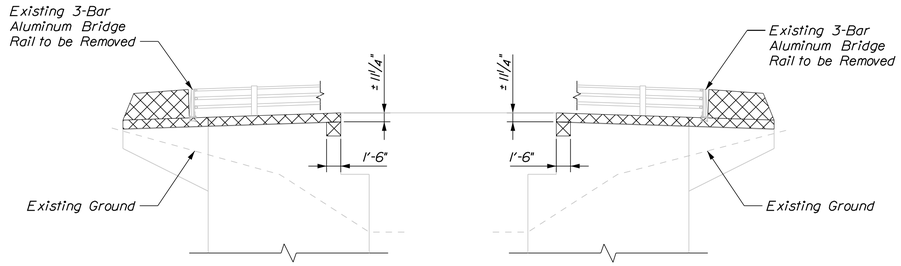
1. Removal limits shown are approximate and may be adjusted by the Contractor with approval by the Resident.
2. Payment for abutment concrete removal will be made under Item 202.12, "Removing Existing Structural Concrete".
3. Cut or burn existing reinforcing flush with Removal limits unless noted otherwise.

LEGEND:

Concrete Removal Limits

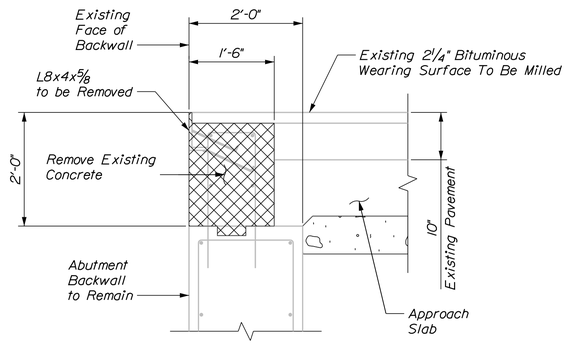


SECTION C-C

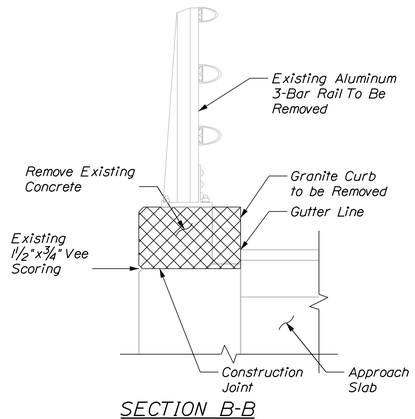


WINGWALL LEFT

WINGWALL RIGHT

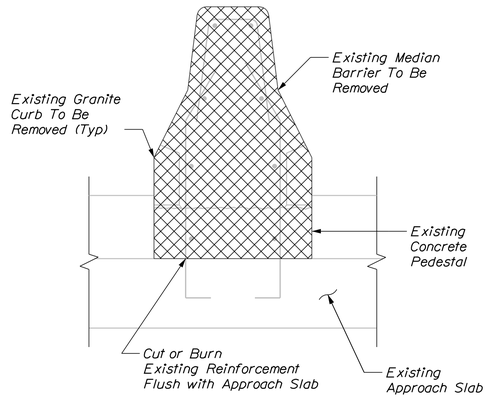


SECTION A-A



SECTION B-B

(Curb Removal Shown, End Post Removal Similar)



SECTION D-D

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	B. Toothaker	S. Morgan	9/18
CHECKED-REVIEWED	D. Myers	B. Toothaker	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

ABUTMENT
REMOVAL LIMITS

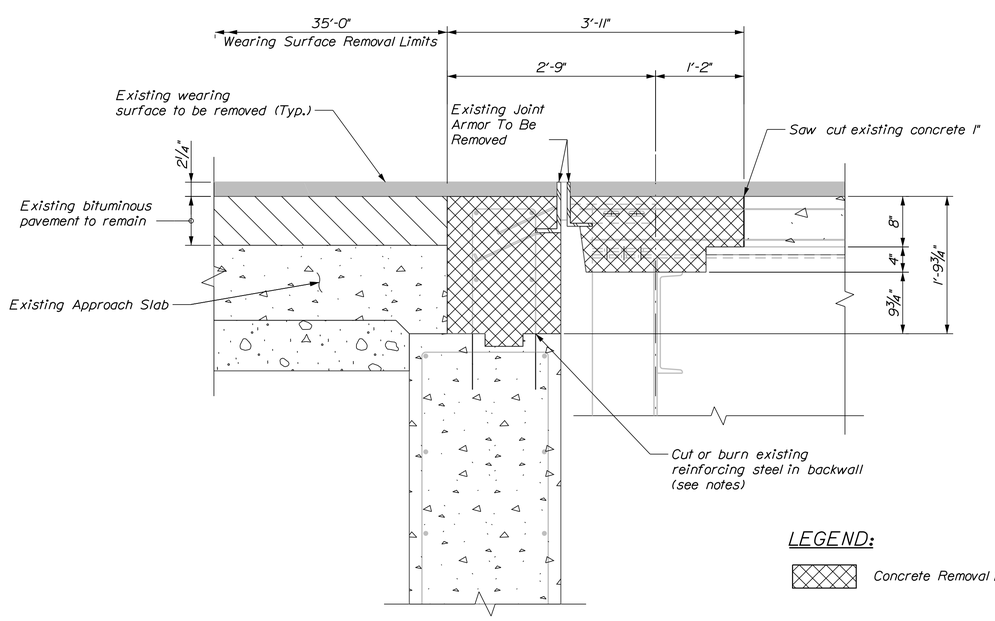
SHEET NUMBER

169

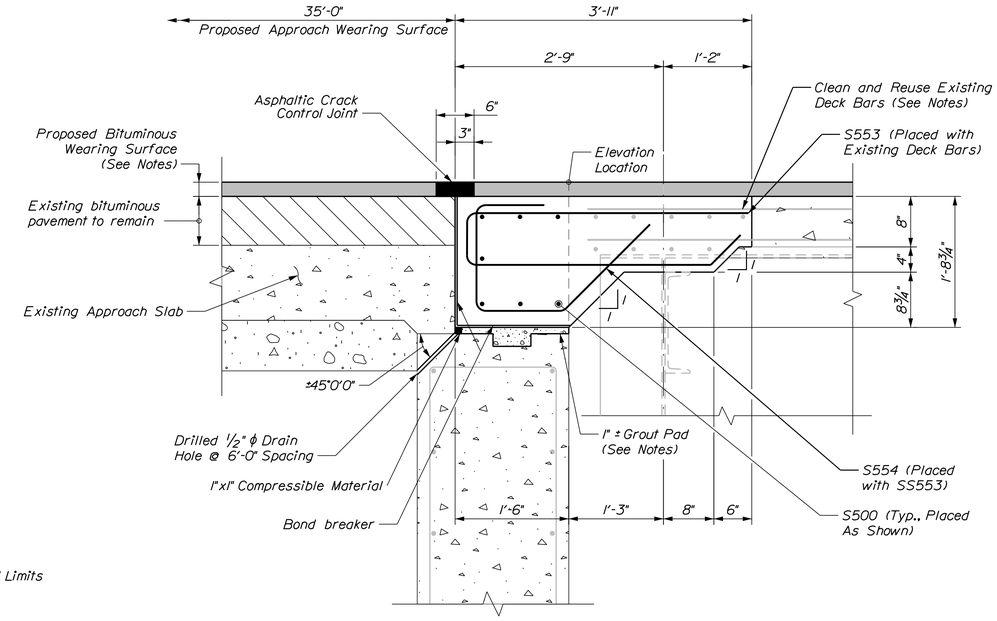
OF 230

TY LIN INTERNATIONAL

Filename: ...\xxx_Abutment_Removol_Limits_01.dgn Division: HIGHWAY Username: Date:11/7/2018



REMOVAL LIMITS



PROPOSED BACKWALL DETAIL

LEGEND:

Concrete Removal Limits

Backwall Elevations		
	Abutment	
	South	North
SB Fascia EOP	72.54'	94.15'
SB Crown	73.20'	94.68'
℄ Elev.	72.81'	94.42'
NB Crown	73.20'	94.68'
NB Fascia EOP	72.44'	94.15'

NOTES:

1. See sheet "Abutment Removal Limits" for backwall removal details.
2. Apply an epoxy based sealer to cut ends of existing reinforcing steel prior to placing grout pad.
3. All existing longitudinal and transverse reinforcing steel in deck shall be cleaned and reused.
4. Grout pad shall be of a non-shrink cementitious grout from the MaineDOT Grout Materials Qualified Products List. The grout shall have a minimum design strength of 6000psi.
5. Compressible material shall be installed such that drain holes are not blocked in the final condition.
6. Elevations provided are anticipated finish grade. final elevations shall be verified by the Contractor. Proposed approach pavement thickness shall vary to match existing pavement at removal limits and proposed thickness on the bridge at the proposed backwall limits.
7. Contractor shall provide continuous transverse reinforcement in proposed backwall slab at the final condition through the use of laps of at least 2'-4" or mechanical splicers. Contractor shall be responsible for determining bar details based on approved phasing sequence and splice method. Payments for splices shall be incidental to reinforcing steel items.
8. Payment for grout pad. drain holes. and compressible material will be incidental to related contract items.
9. Asphaltic Crack Control Joint will be paid for under item 520.2321.

STATE OF MAINE
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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake	BY	DATE
DESIGN-DETAILED	B. Toothaker	S. Morgan	9/18
CHECKED-REVIEWED	D. Myers	B. Toothaker	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

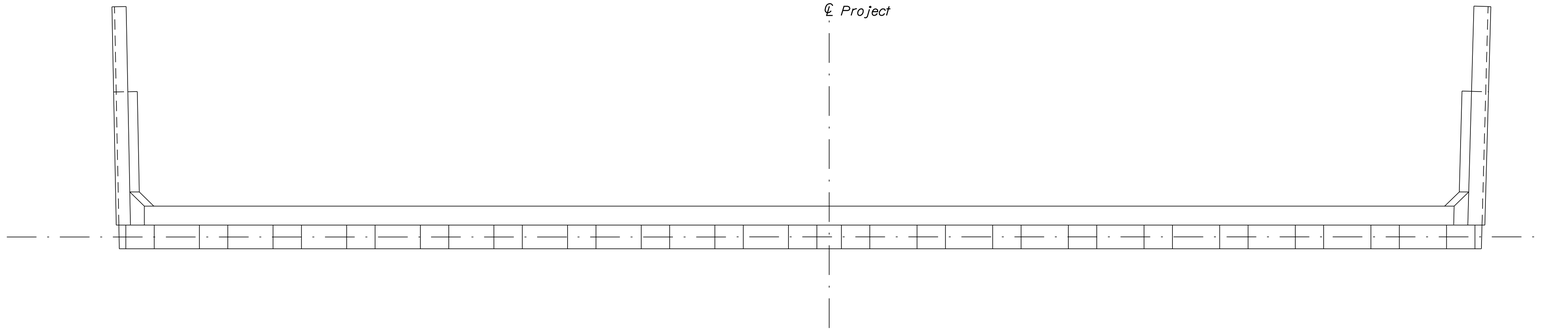
ABUTMENT
BACKWALL DETAILS

SHEET NUMBER
170
OF 230

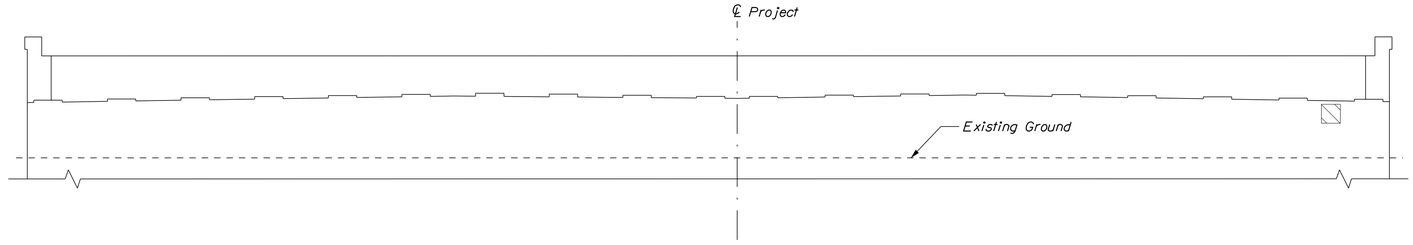
TYLIN INTERNATIONAL

Filename: ...\xxx_Abutment_Backwall_01.dgn Division: HIGHWAY Username: Date:11/7/2018

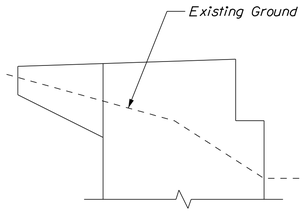
Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	4 S.F.	0 S.F.	4 S.F.



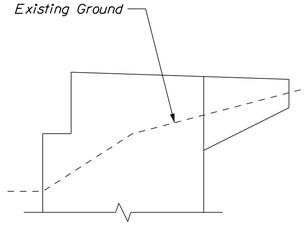
PLAN



ELEVATION



WINGWALL LEFT



WINGWALL RIGHT

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

Filename: ...\MSTA\xxx_Abutment_North_01.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	SAM	10/18
CHECKED-REVIEWED	CPT	10/18
DESIGN2-DETAILED2	DSM	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SUBSTRUCTURE PATCHING
DETAILS - NORTH ABUTMENT

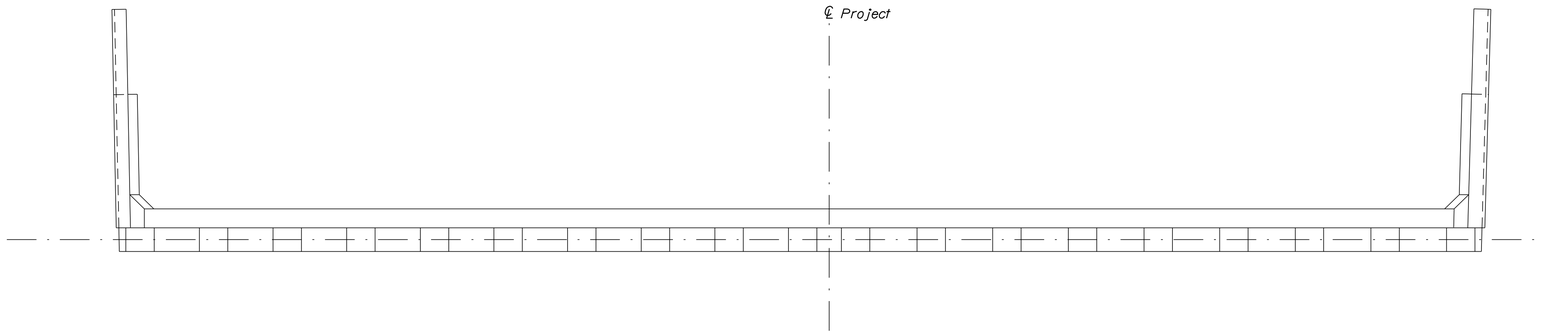
SHEET NUMBER

171

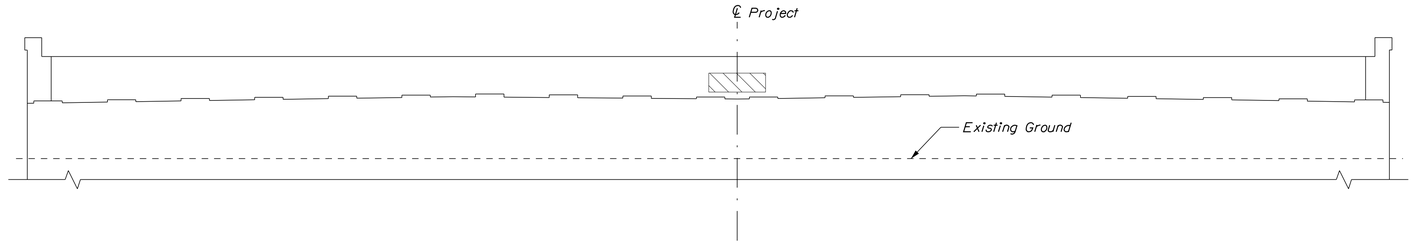
OF 230

TYLIN INTERNATIONAL

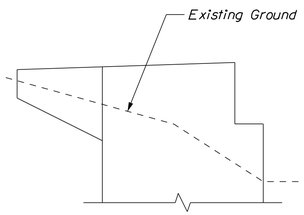
Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	12 S.F.	0 S.F.	12 S.F.



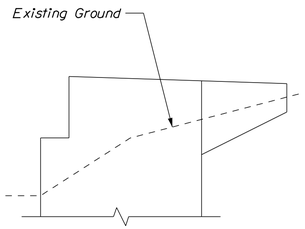
PLAN VIEW



ELEVATION



WINGWALL LEFT



WINGWALL RIGHT

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

Filename: ...\MSTA\xxx_Abutment_South_01.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE
DESIGN-DETAILED	DSM	SAM 10/18
CHECKED-REVIEWED	CPT	DSM 10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

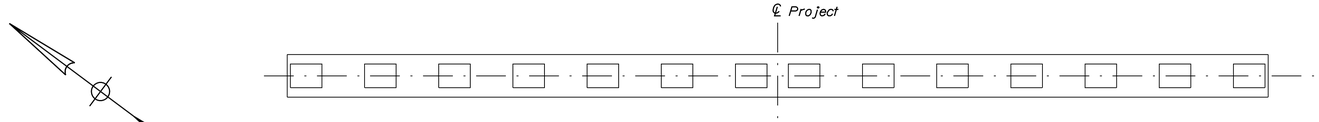
SUBSTRUCTURE PATCHING DETAILS - SOUTH ABUTMENT

SHEET NUMBER

172

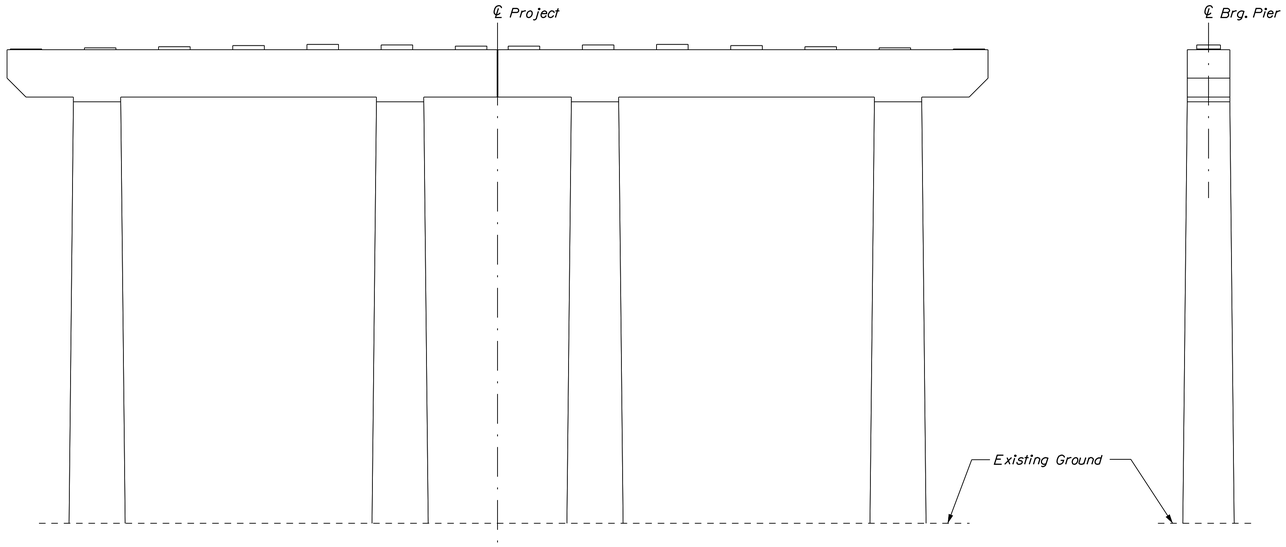
OF 230

TYLIN INTERNATIONAL



PLAN VIEW

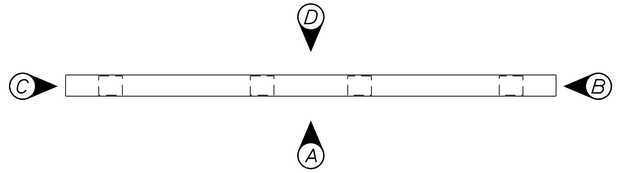
Pier 4N Shown
All Others Similar



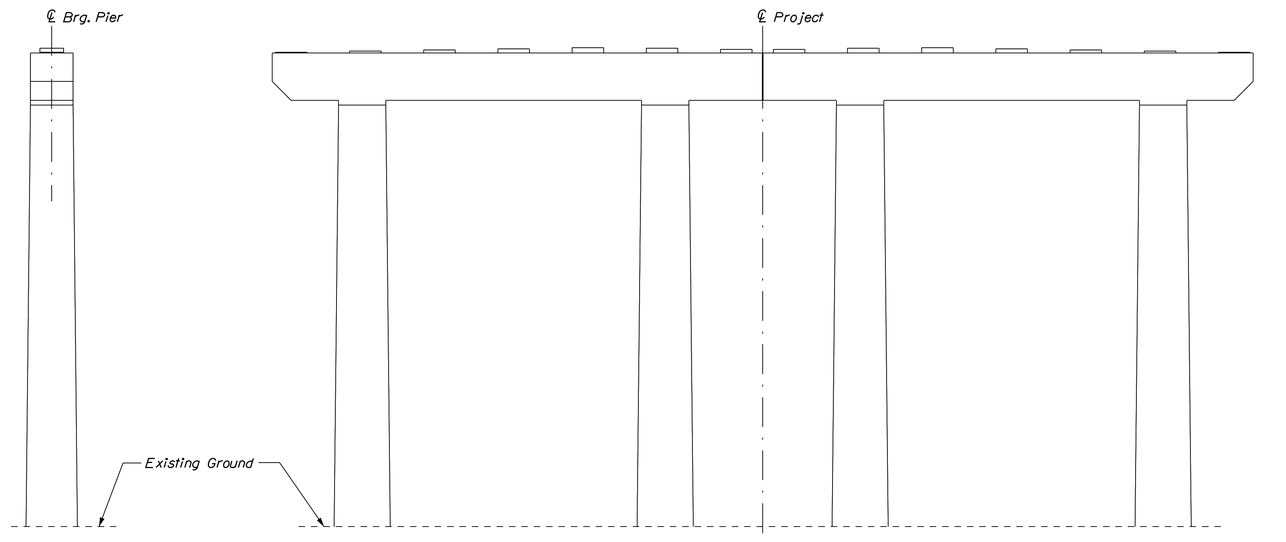
ELEVATION A

ELEVATION B

Estimated Quantity Of Repairs				
Pier #	Overhead	Vertical	Horizontal	Total
18S	4 S.F.	0 S.F.	0 S.F.	4 S.F.
17S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
16S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
15S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
14S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
13S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
12S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
11S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
10S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
9S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
8S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
7S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
6S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
5S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
4S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
3S	0 S.F.	0 S.F.	0 S.F.	0 S.F.
2S	0 S.F.	0 S.F.	4 S.F.	4 S.F.
1S	4 S.F.	4 S.F.	0 S.F.	8 S.F.
1N	0 S.F.	21 S.F.	0 S.F.	21 S.F.
2N	0 S.F.	4 S.F.	0 S.F.	4 S.F.
3N	0 S.F.	1 S.F.	0 S.F.	1 S.F.
4N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
5N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
6N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
7N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
8N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
9N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
10N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
11N	6 S.F.	0 S.F.	0 S.F.	6 S.F.
12N	0 S.F.	0 S.F.	0 S.F.	0 S.F.
13N	0 S.F.	0 S.F.	0 S.F.	0 S.F.



PIER ELEVATIONS



ELEVATION C

ELEVATION D

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

TY LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	D. Myers	S. Morgan	9/18
CHECKED-REVIEWED	C. Taylor	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

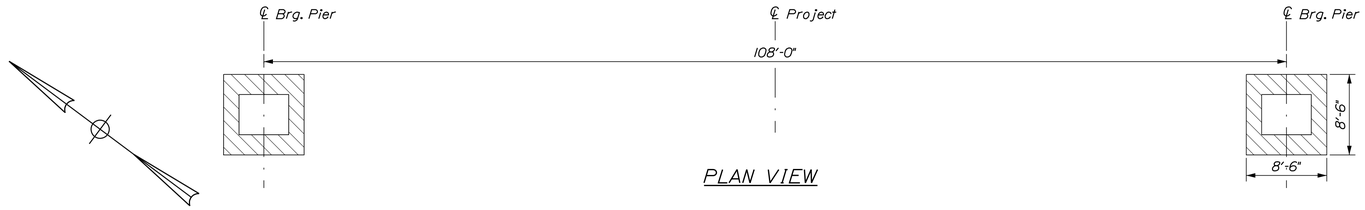
SUBSTRUCTURE PATCHING
DETAILS - APPROACH PIERS

SHEET NUMBER

173

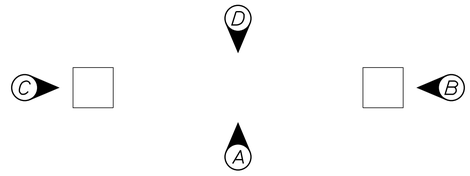
OF 230

Filename: ...\MSTA\xxx_Pier_Appr_01.dgn Division: HIGHWAY Username: Date:11/7/2018



PLAN VIEW

Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	98 S.F.	100 S.F.	198 S.F.



PIER ELEVATIONS



ELEVATION A

ELEVATION B



ELEVATION C

ELEVATION D

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake			
DESIGN-DETAILED	D. Myers	S. Morgan	9/18
CHECKED-REVIEWED	D. Myers	C. Taylor	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SUBSTRUCTURE PATCHING DETAILS-NORTH ANCHOR PIER

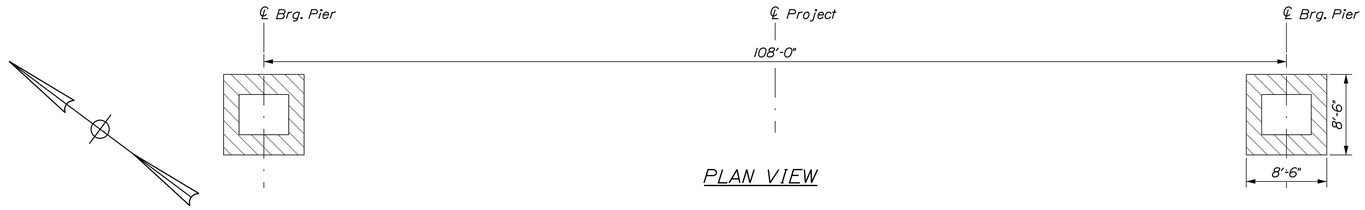
SHEET NUMBER

174

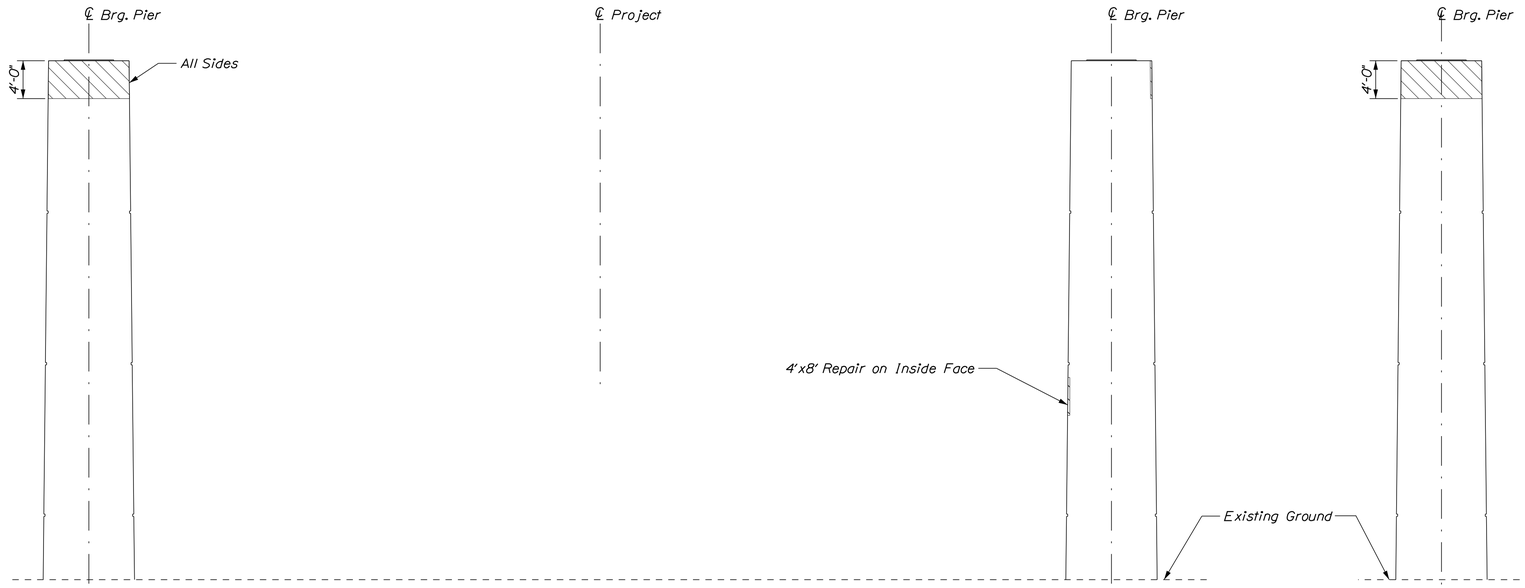
OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\xxx_Pier_Anch_North_01.dgn Division: HIGHWAY Username: Date:11/7/2018

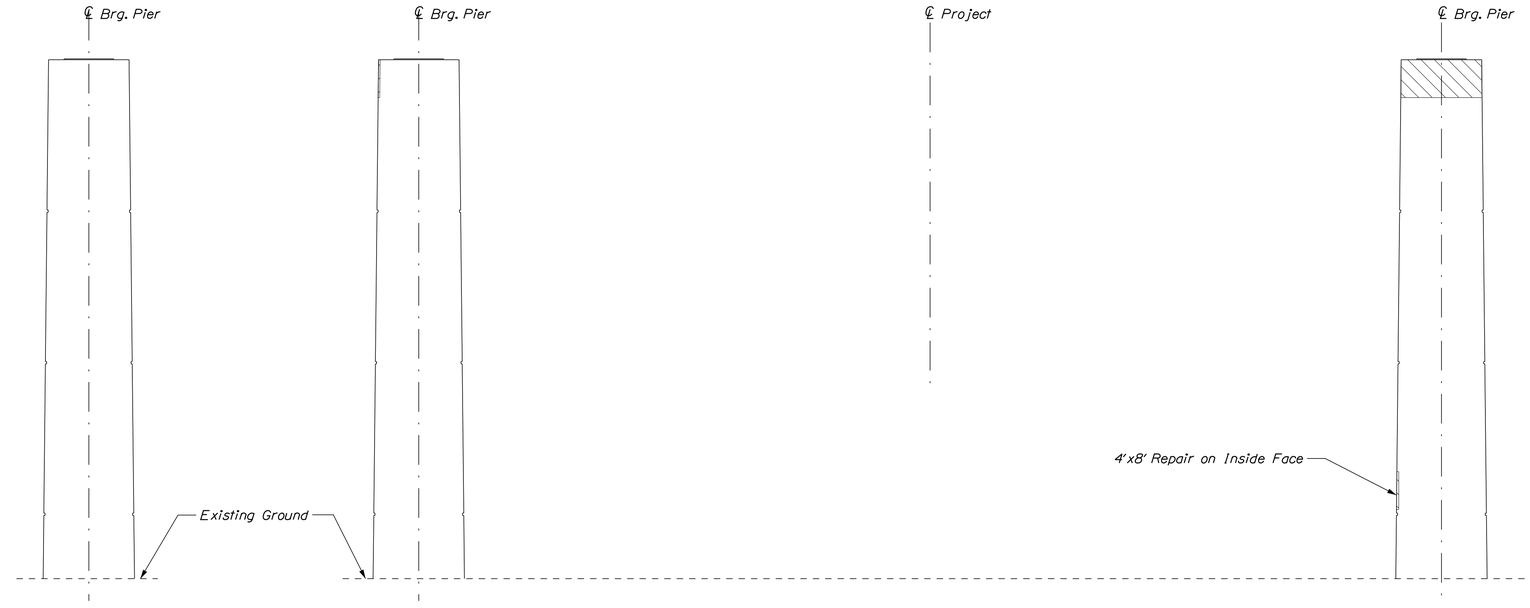


PLAN VIEW



ELEVATION A

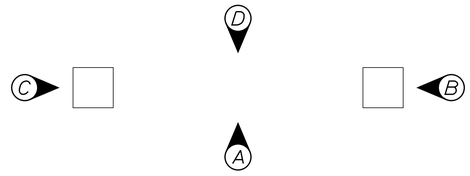
ELEVATION B



ELEVATION C

ELEVATION D

Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	170 S.F.	100 S.F.	270 S.F.



PIER ELEVATIONS

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake			
DESIGN-DETAILED	D. Myers	S. Morgan	9/18
CHECKED-REVIEWED	D. Myers	C. Taylor	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SUBSTRUCTURE PATCHING DETAILS-SOUTH ANCHOR PIER

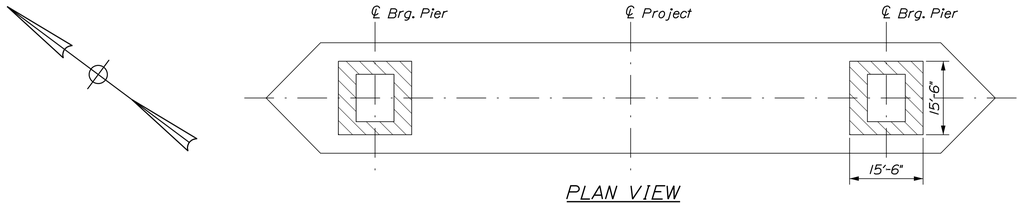
SHEET NUMBER

175

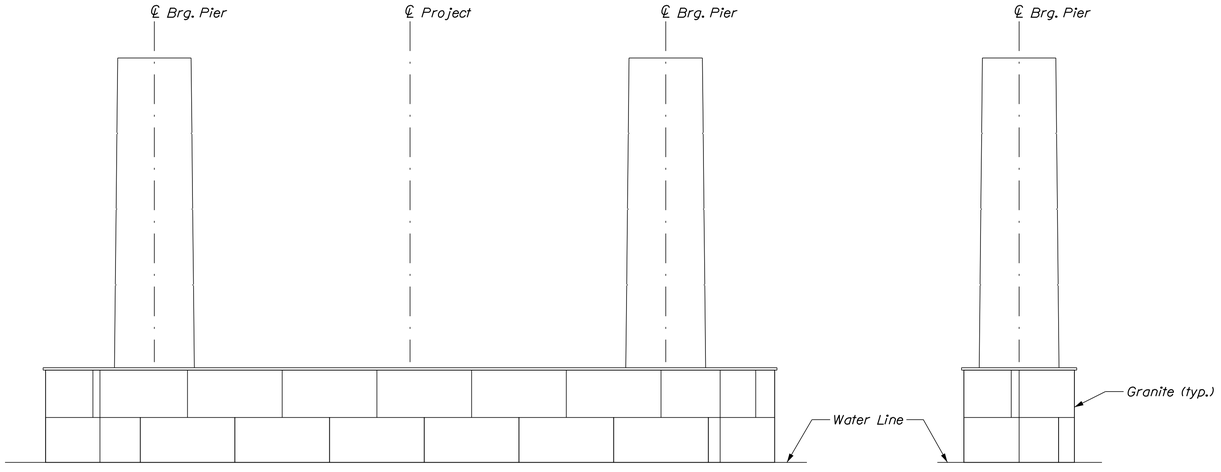
OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\xxx_Pier_Anch_South_01.dgn Division: HIGHWAY Username: Date:11/7/2018

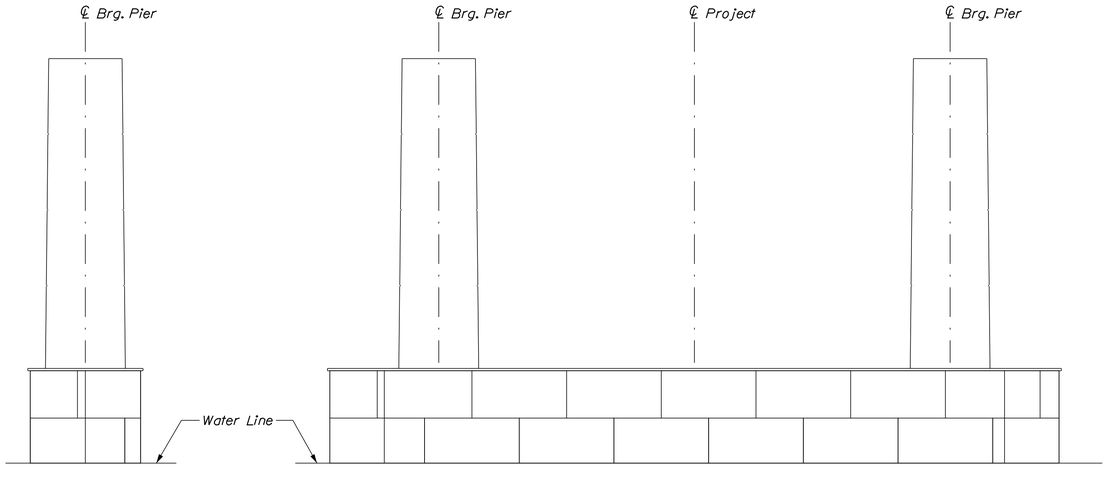


PLAN VIEW



ELEVATION A

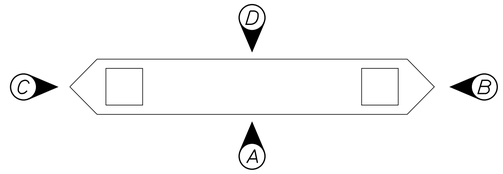
ELEVATION B



ELEVATION C

ELEVATION D

Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	0 S.F.	280 S.F.	280 S.F.



PIER ELEVATIONS

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.

2. For procedural notes see sheet "General Notes".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	D. Myers	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SUBSTRUCTURE PATCHING
DETAILS - NORTH MAIN PIER

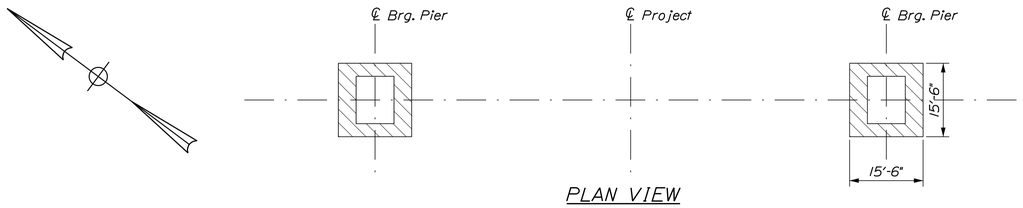
SHEET NUMBER

176

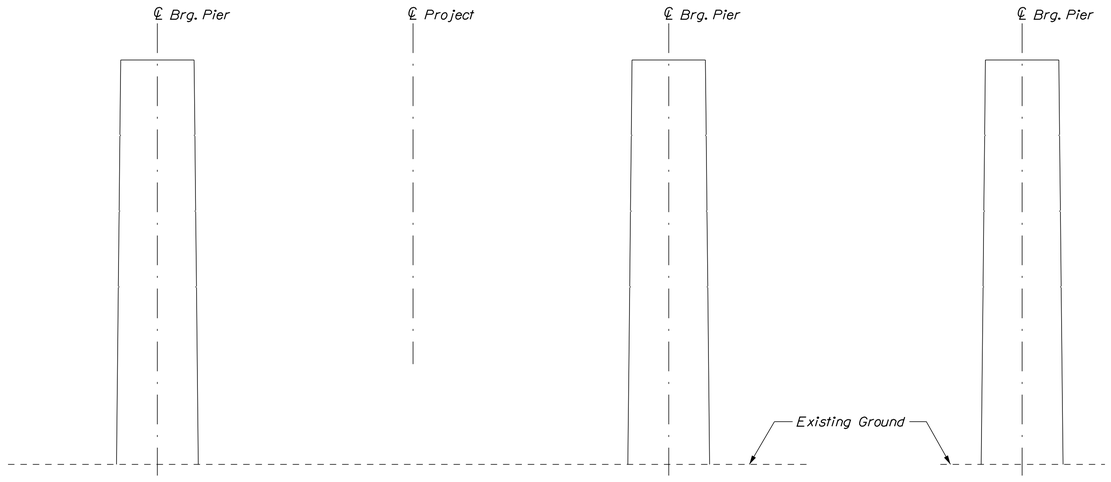
OF 230

TY LIN INTERNATIONAL

Filename: ...\xxx_Pier_Main_North_01.dgn Division: HIGHWAY Username: Date:11/7/2018

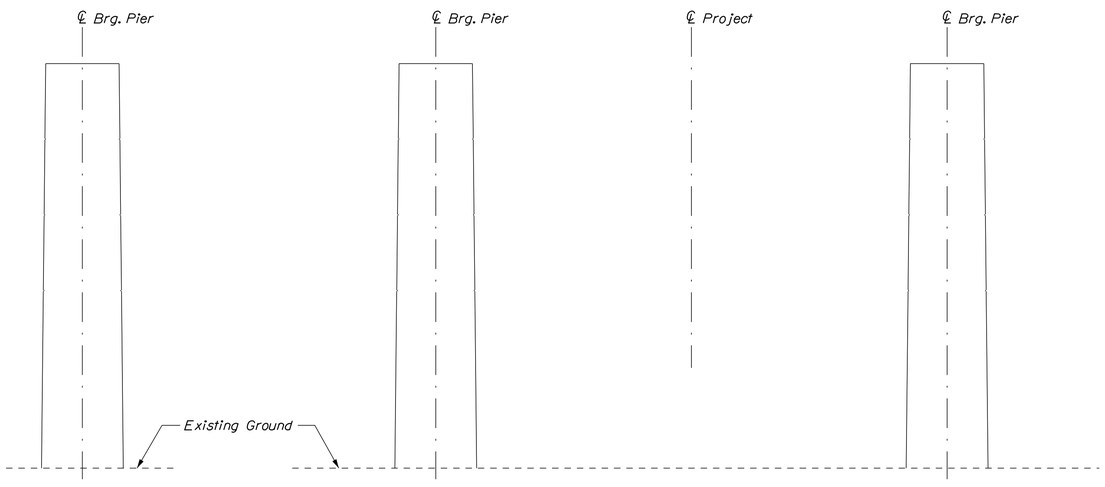


PLAN VIEW



ELEVATION A

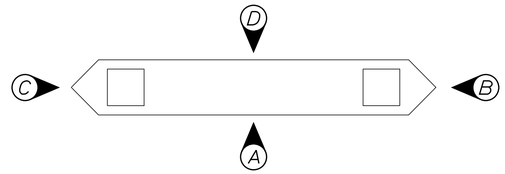
ELEVATION B



ELEVATION C

ELEVATION D

Estimated Quantity Of Repairs			
Overhead	Vertical	Horizontal	Total
0 S.F.	0 S.F.	280 S.F.	280 S.F.



PIER ELEVATIONS

LEGEND:

- Limit Of Concrete Surface Repairs
- Limit Of Epoxy Injected Crack Repair
- Existing Concrete
- Existing And Proposed Ground

NOTES:

1. Contractor shall repair areas of concrete deterioration as identified by the Resident. Estimated limits of repairs shown on this sheet are for informational purposes only.
2. For procedural notes see sheet "General Notes".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	D. Myers	S. Morgan	9/18
CHECKED-REVIEWED	D. Myers	C. Taylor	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

SUBSTRUCTURE PATCHING
DETAILS - SOUTH MAIN PIER

SHEET NUMBER

177

OF 230

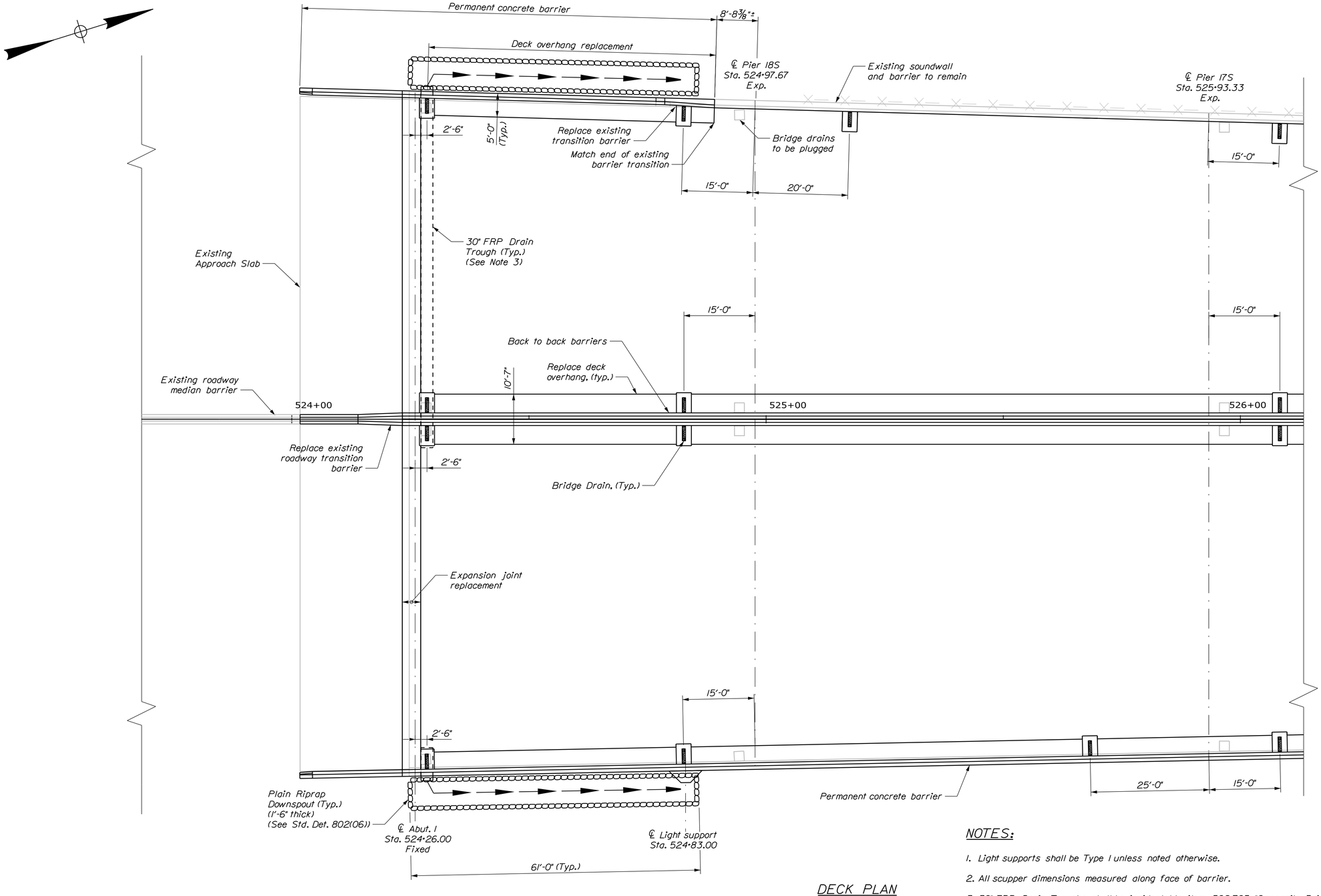
TY LIN INTERNATIONAL

Username:

Date:11/7/2018

Division: HIGHWAY

Filename: ...\xxx_Pier_Main_South_01.dgn



DECK PLAN

NOTES:

1. Light supports shall be Type I unless noted otherwise.
2. All scupper dimensions measured along face of barrier.
3. 30" FRP Drain Troughs shall be incidental to Item 502.705, "Composite Bridge Drains"
4. Existing bridge drains to be plugged (adjacent to the existing soundwall and barrier) shall be cut down to the height of the existing concrete deck and filled with concrete to create a smooth surface for membrane and pavement to cover. Cost shall be incidental to related contract items. Removal of closed drainage system below drains is paid for under Item 202.1294, "Bridge Drainage System Removal".
5. Proposed hot mix asphalt pavement shall be tapered down from the full proposed 2½" thickness down to ⅛" above the finger joint plates over the 35 feet on each side of each finger joint. Cost shall be incidental to related contract items.

T·Y LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2	D. Myers		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

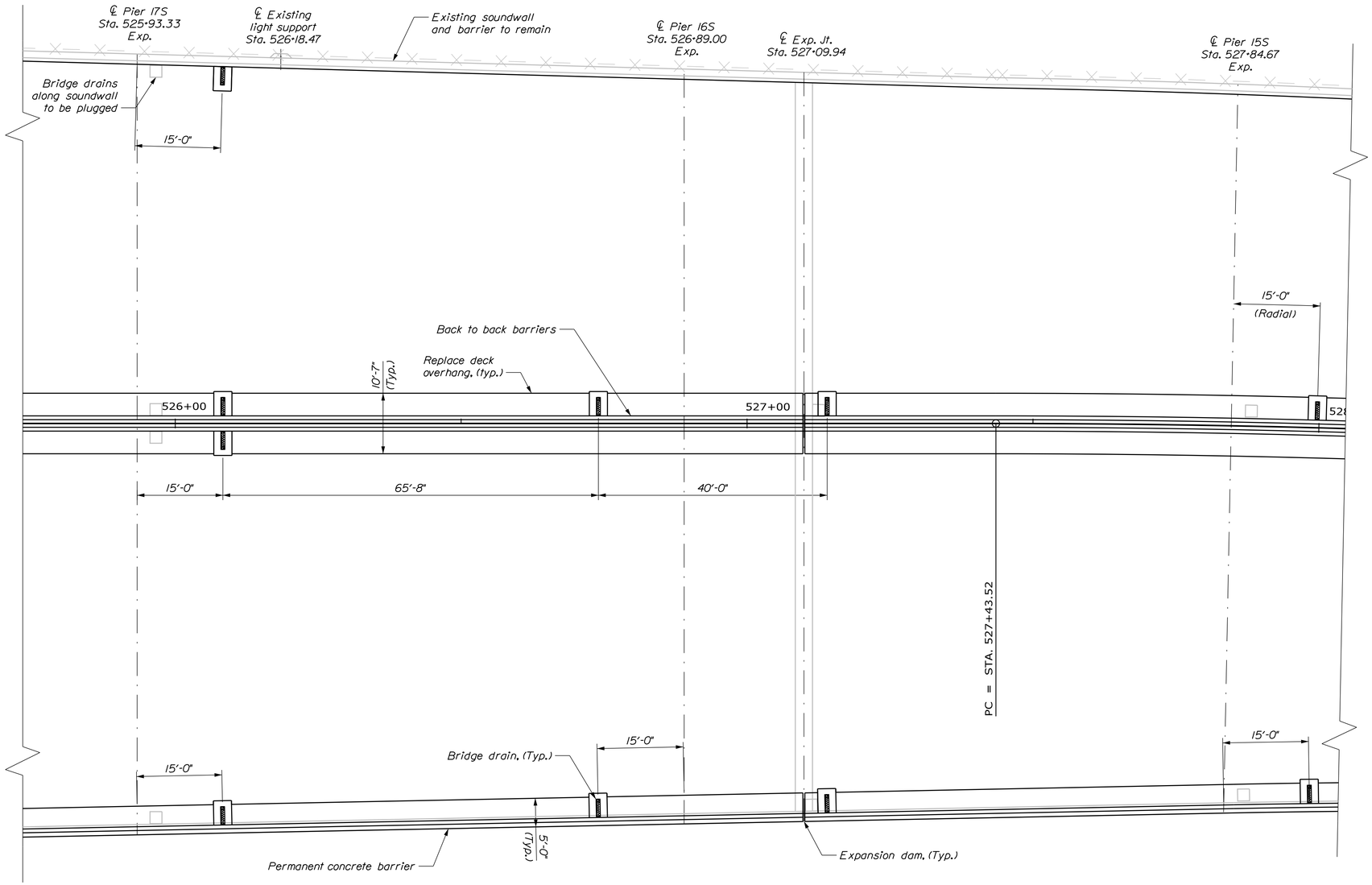
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
1 OF 24

SHEET NUMBER
178
OF 230

Filename: ...\MSTA\xxx_Deck_Plan_01.dgn Division: HIGHWAY Username: Date:11/7/2018



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_02.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

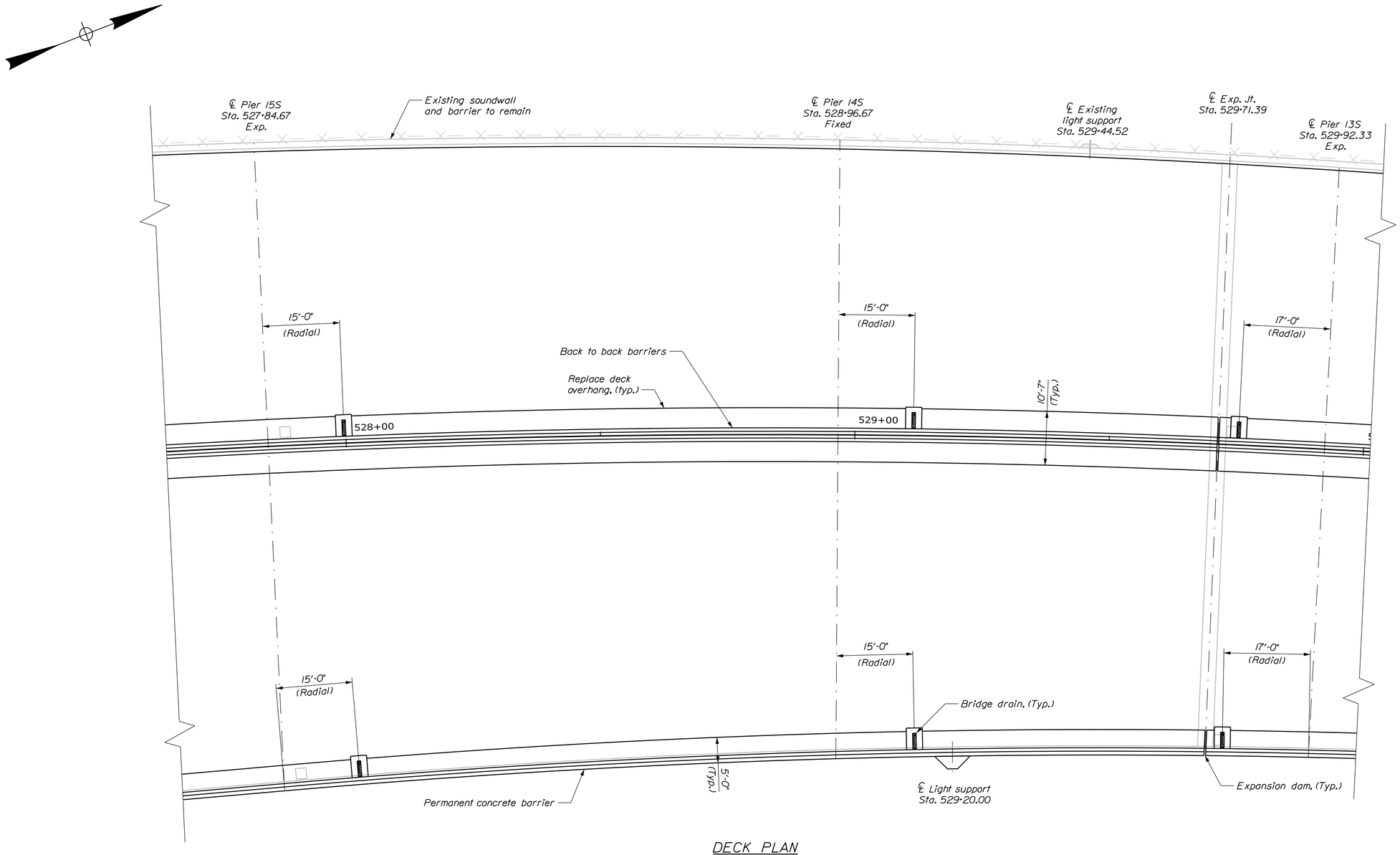
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
2 OF 24

SHEET NUMBER
179
OF 230

TY·LIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_03.dgn Username: Division: HIGHWAY Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY
DESIGN-DETAILED	C. Taylor	P. White 9/18
CHECKED-REVIEWED	D. Myers	D. Myers 9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

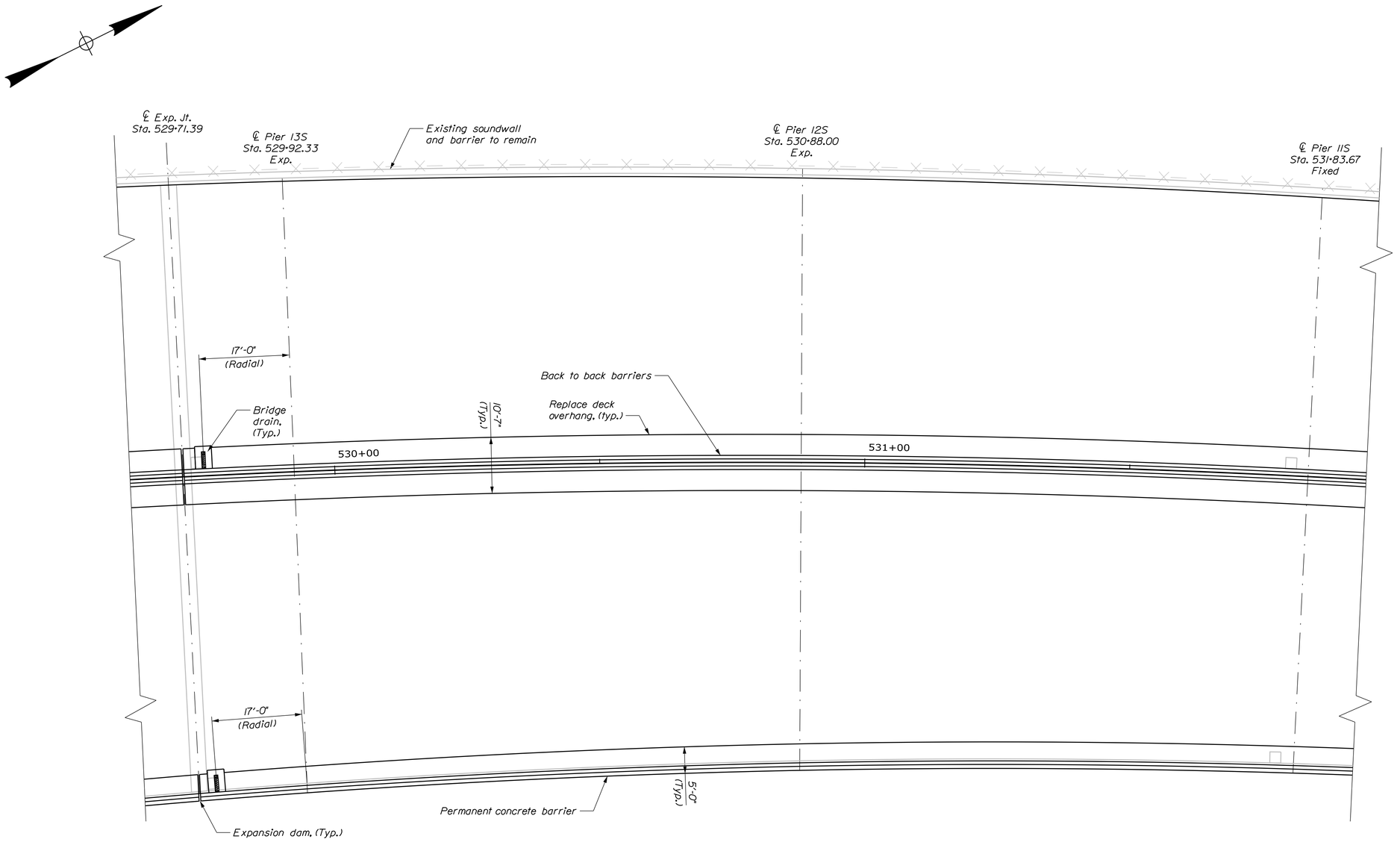
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
3 OF 24

SHEET NUMBER
180
OF 230

TYLININTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_04.dgn Username: Division: HIGHWAY Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY
DESIGN-DETAILED	C. Taylor	P. White 9/18
CHECKED-REVIEWED	D. Myers	D. Myers 9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

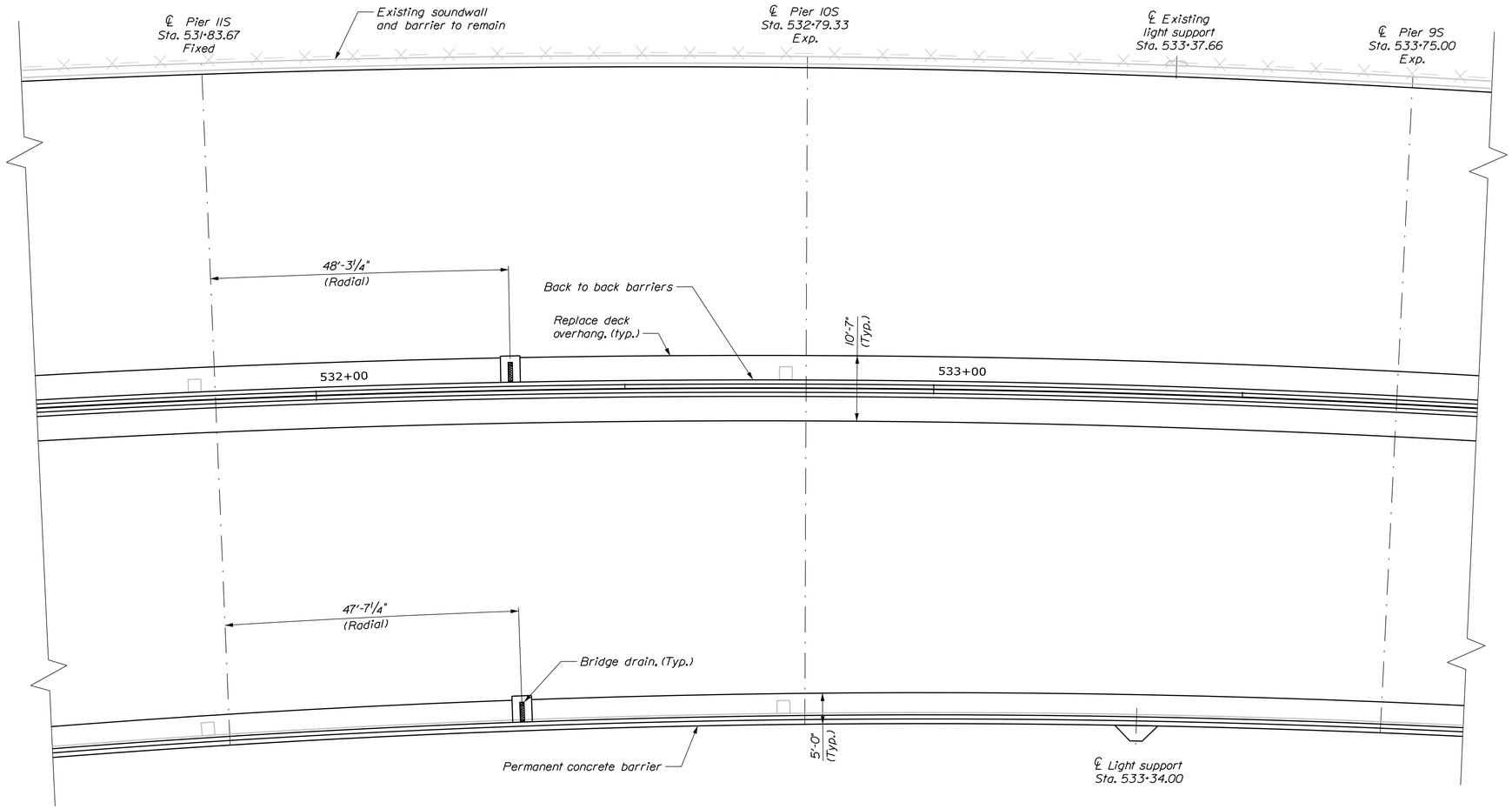
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
4 OF 24

SHEET NUMBER
181
OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_05.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	
DESIGN-DETAILED	C. Taylor	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY DATE

SIGNATURE

P.E. NUMBER

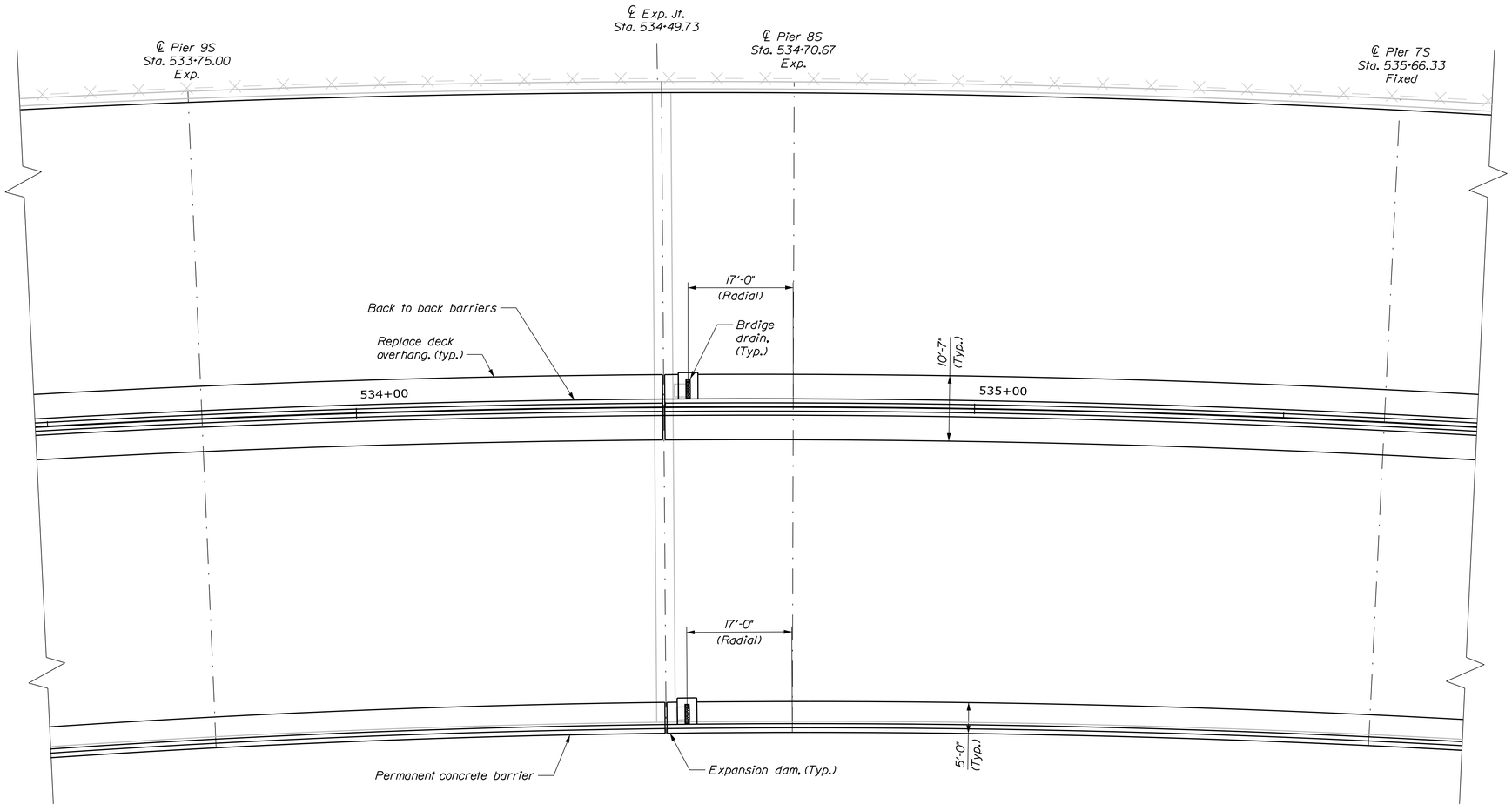
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
5 OF 24

SHEET NUMBER
182
OF 230

TY·LIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_06.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

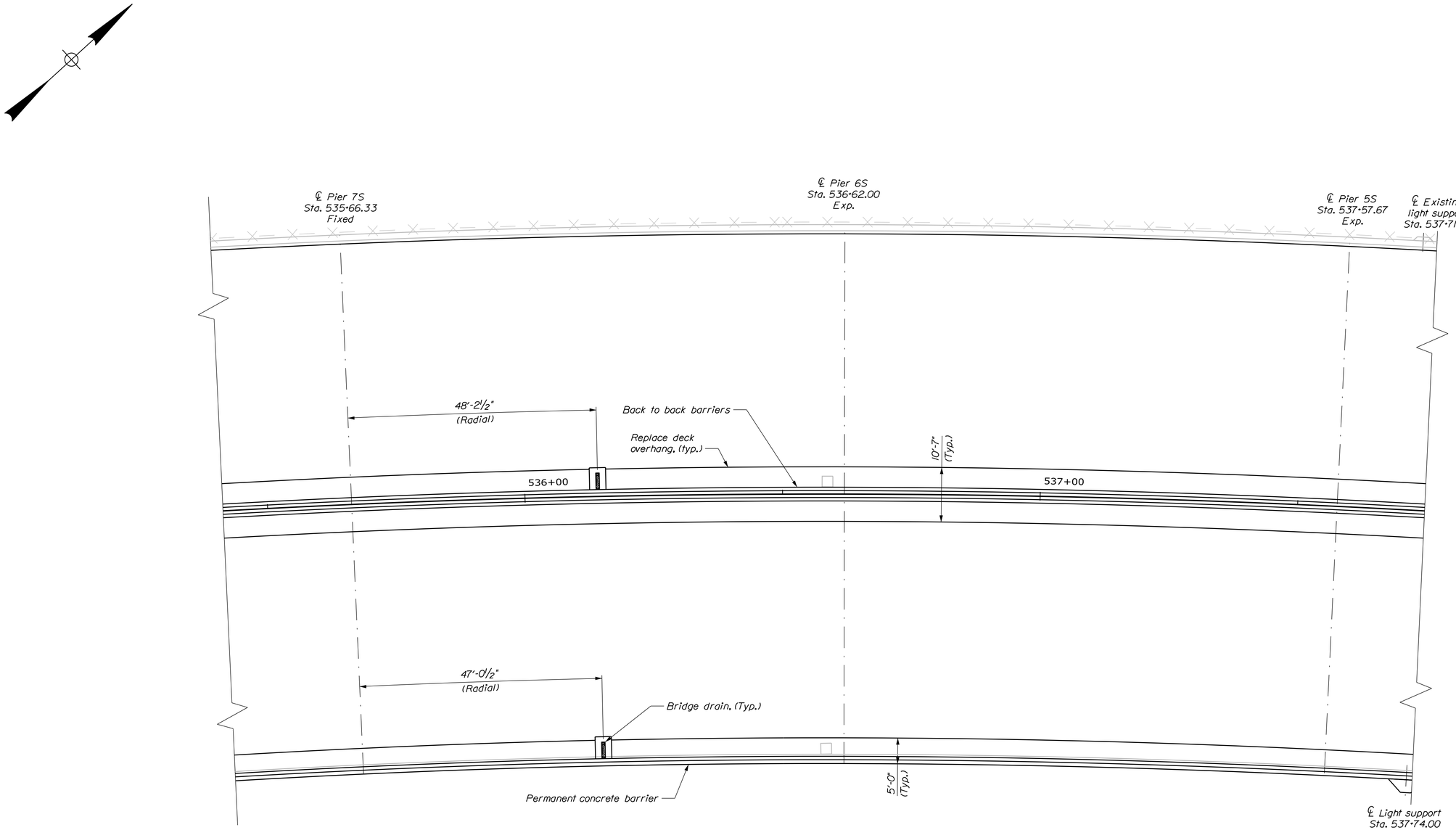
DECK PLAN
6 OF 24

SHEET NUMBER

183

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_07.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

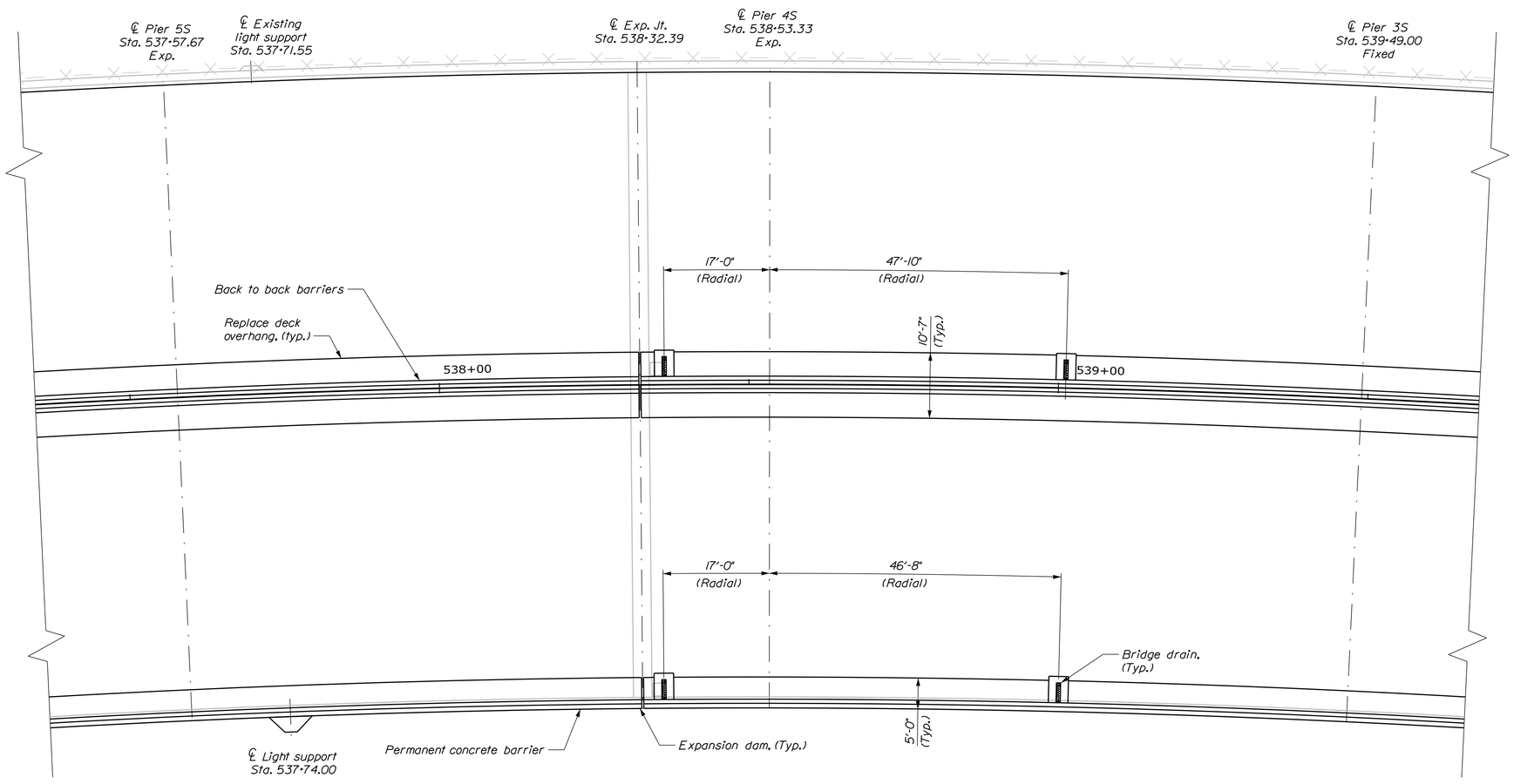
DECK PLAN
7 OF 24

SHEET NUMBER

184

OF 230

TY·LIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_08.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

			DATE
PROJ. MANAGER	Leanne Timberlake	BY	
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

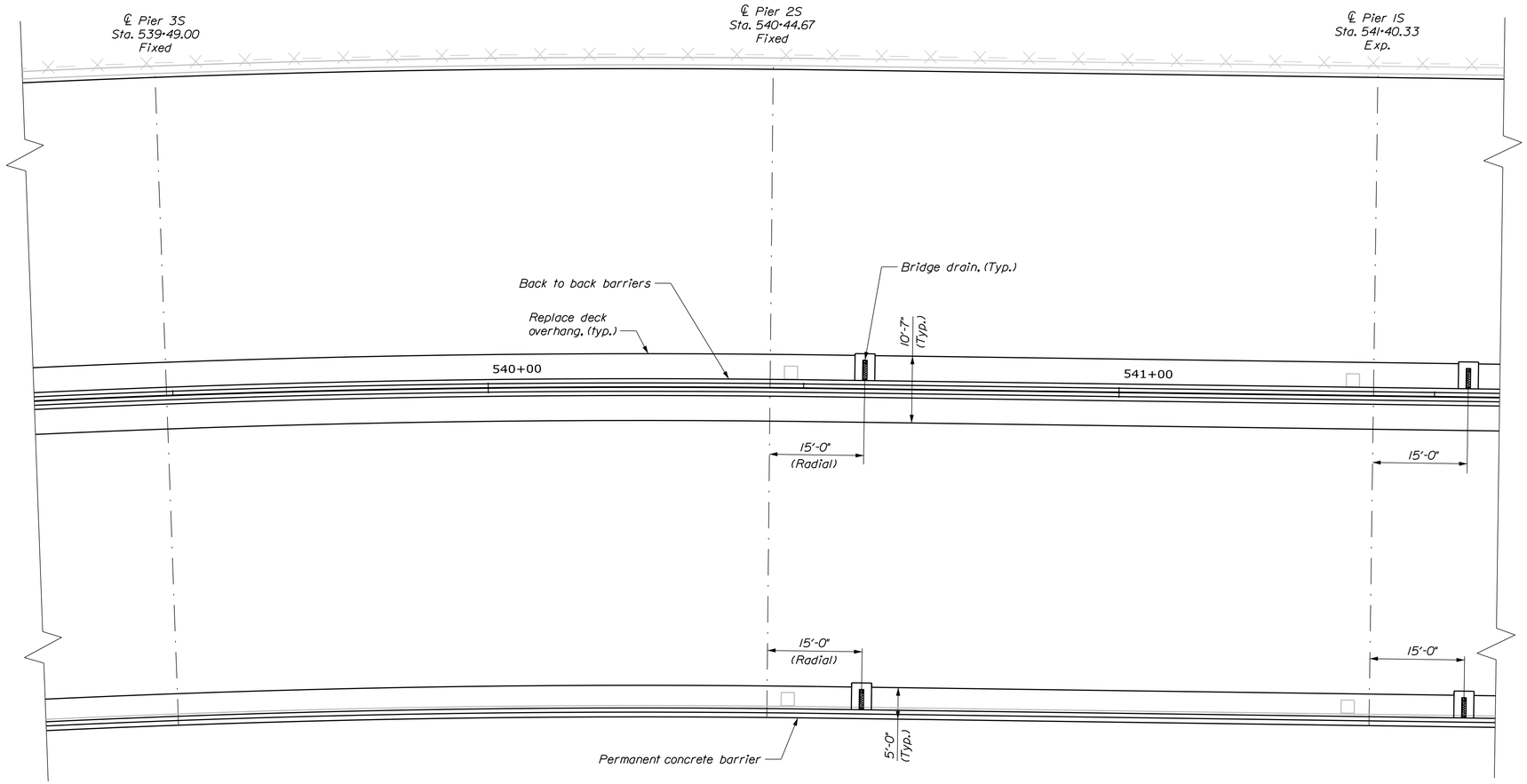
DECK PLAN
8 OF 24

SHEET NUMBER

185

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_09.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

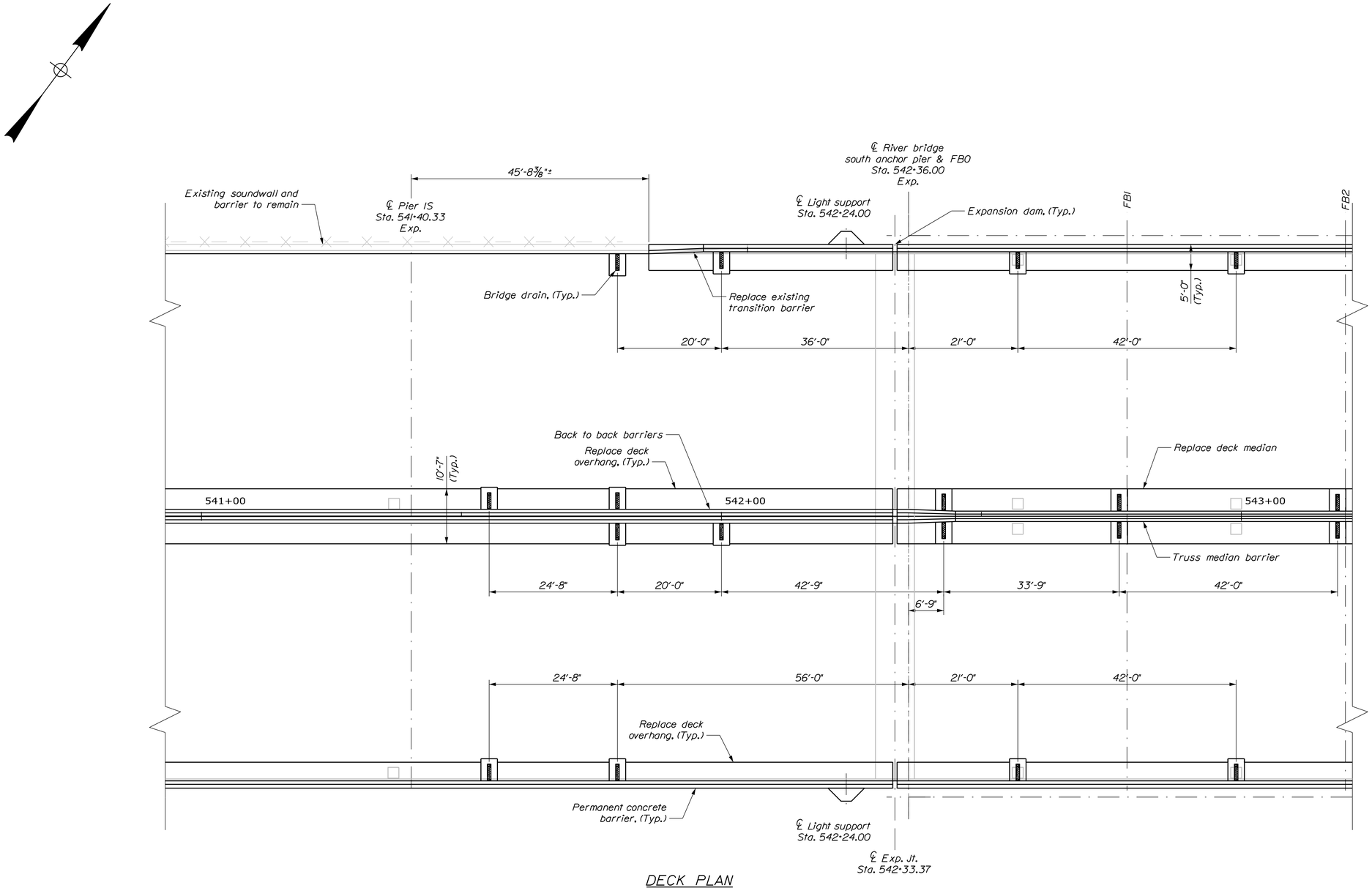
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
9 OF 24

SHEET NUMBER
186
OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_10.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

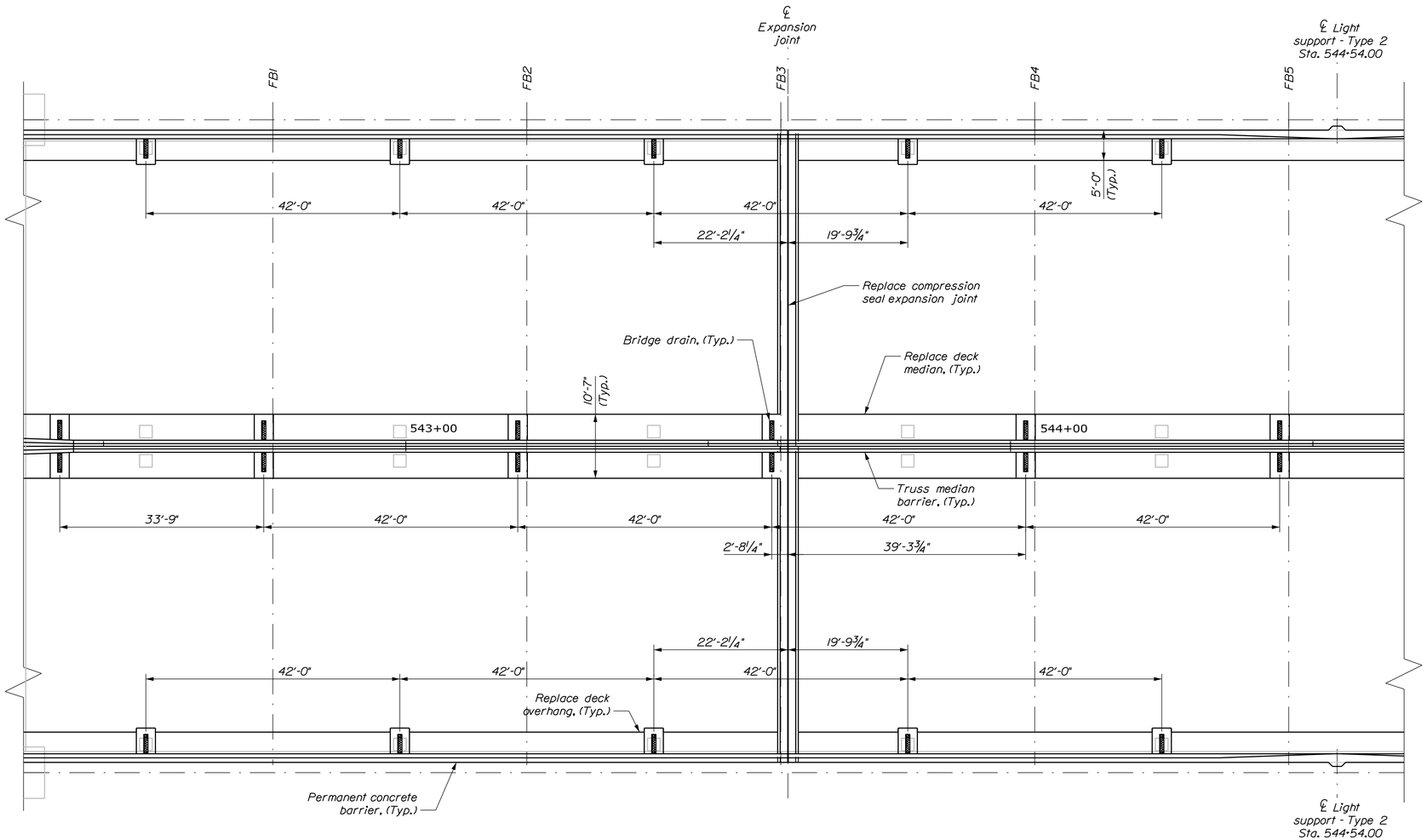
DECK PLAN
10 OF 24

SHEET NUMBER

187

OF 230

TYLIN INTERNATIONAL



DECK PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	P. White	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2	C. Taylor	
DESIGN3-DETAILED3	D. Myers	
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REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

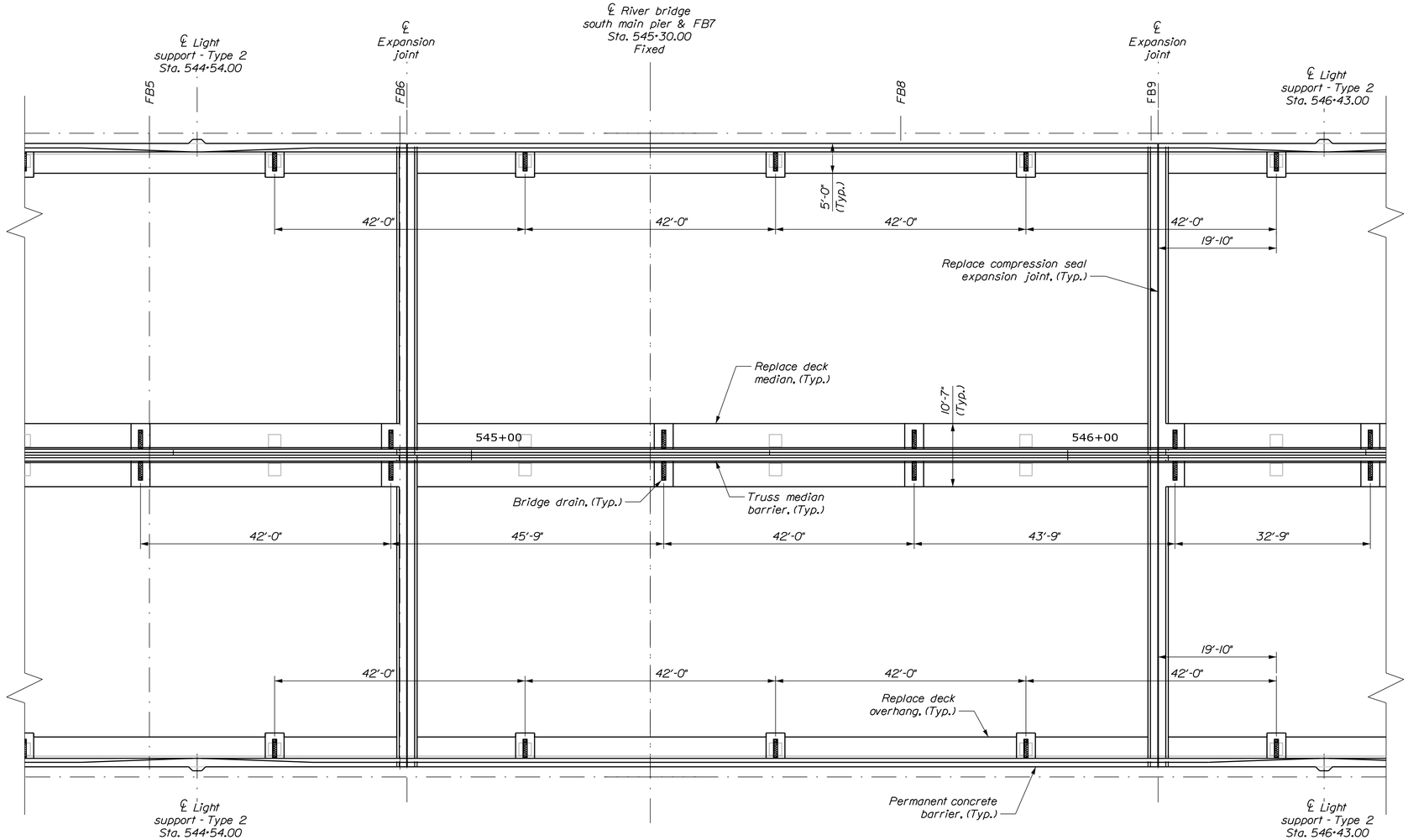
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
11 OF 24

SHEET NUMBER
188
OF 230

TYLIN INTERNATIONAL

Filename: ...\MSTA\xxx_Deck_Plan_11.dgn Division: HIGHWAY Username: Date:11/7/2018



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_12.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)IE

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	P. White	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2	D. Myers	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

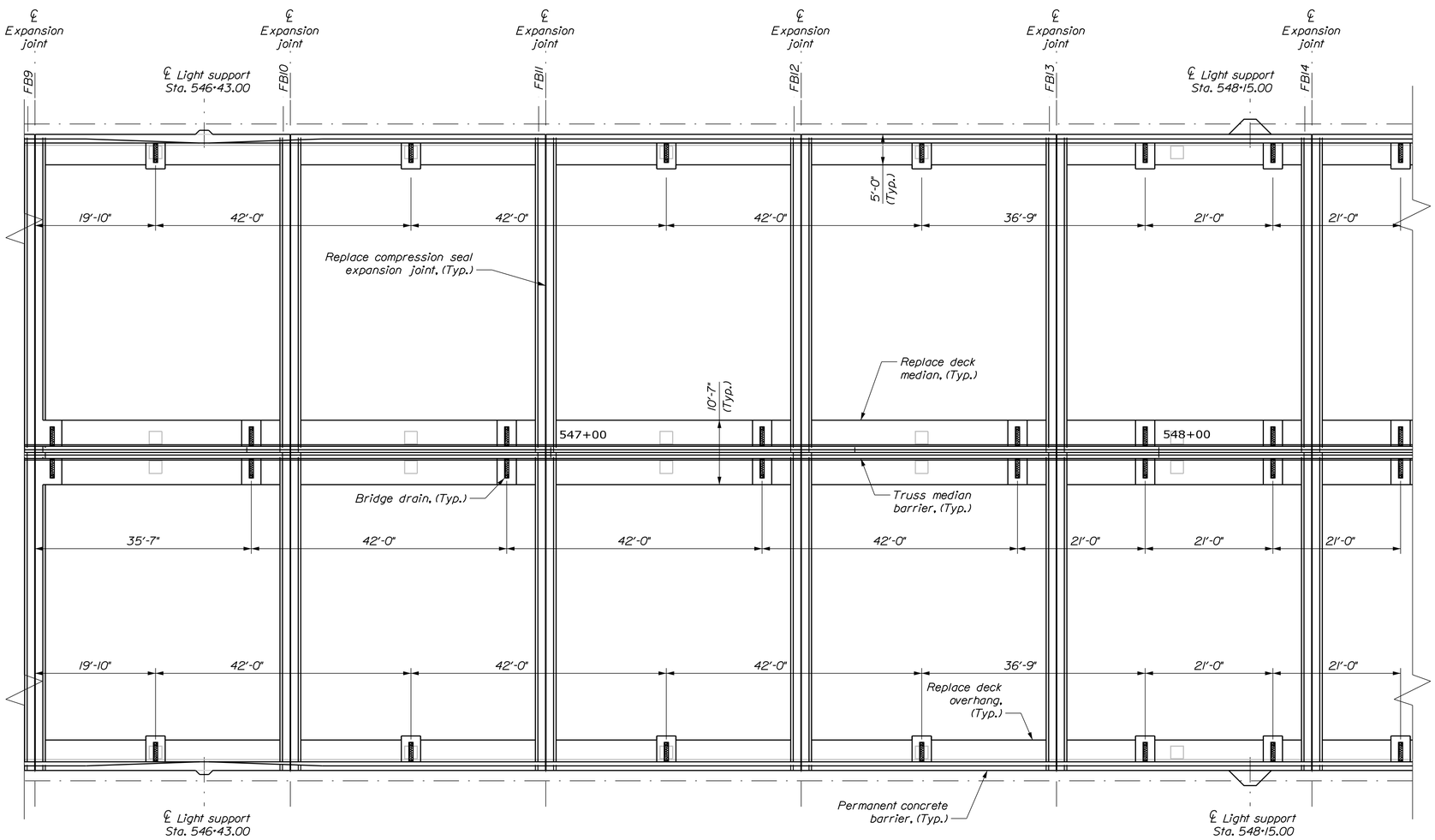
DECK PLAN
12 OF 24

SHEET NUMBER

189

OF 230

TYLIN INTERNATIONAL



DECK PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	P. White	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
13 OF 24

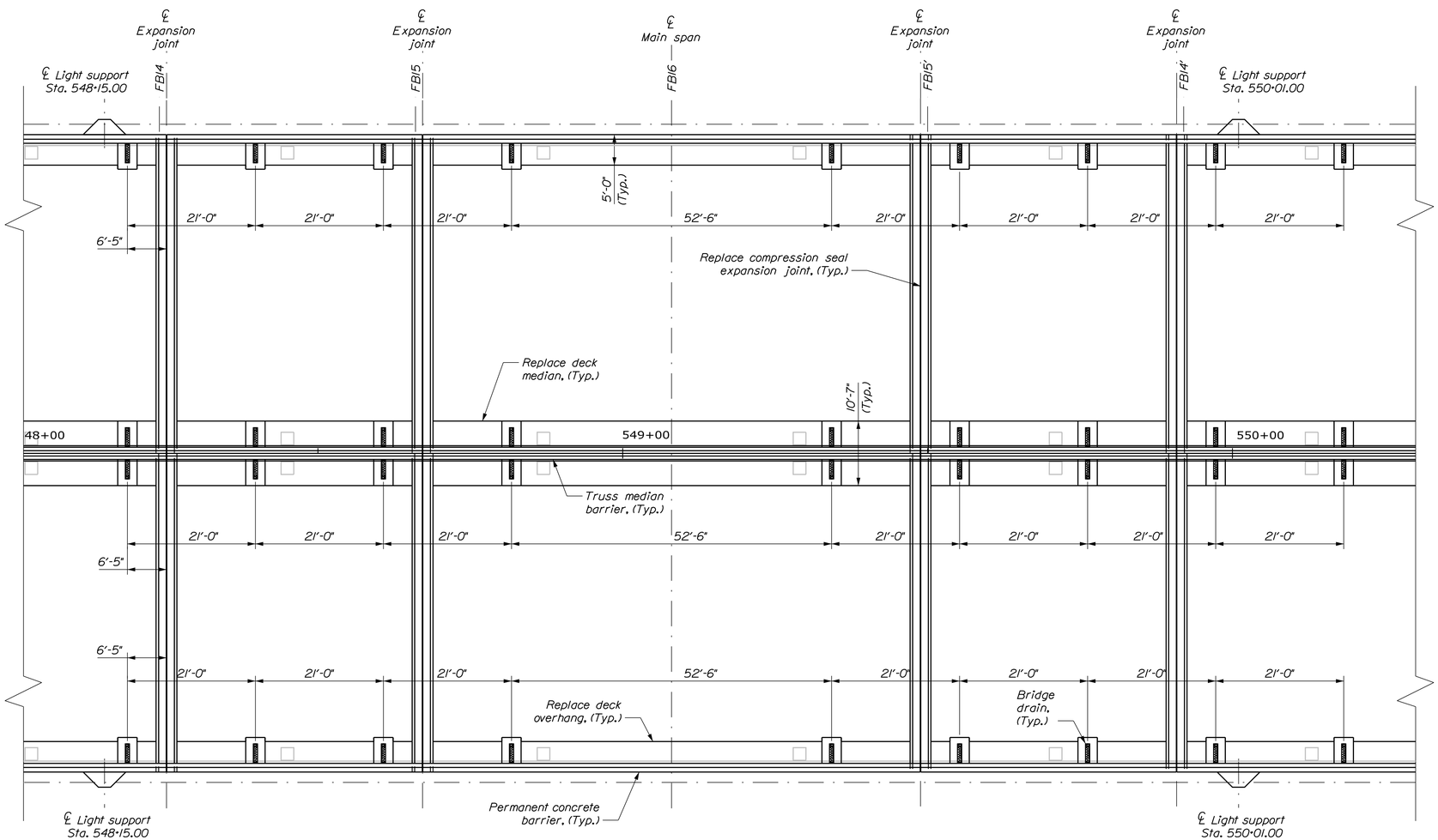
SHEET NUMBER

190

OF 230

T·Y·LIN INTERNATIONAL

Filename: ...\MSTA\xxx_Deck_Plan_13.dgn Division: HIGHWAY Username: Date:11/7/2018



DECK PLAN

Date:11/7/2018

Username:

Division: HIGHWAY

Filename: ...\MSTA\xxx_Deck_Plan_14.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	P. White	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

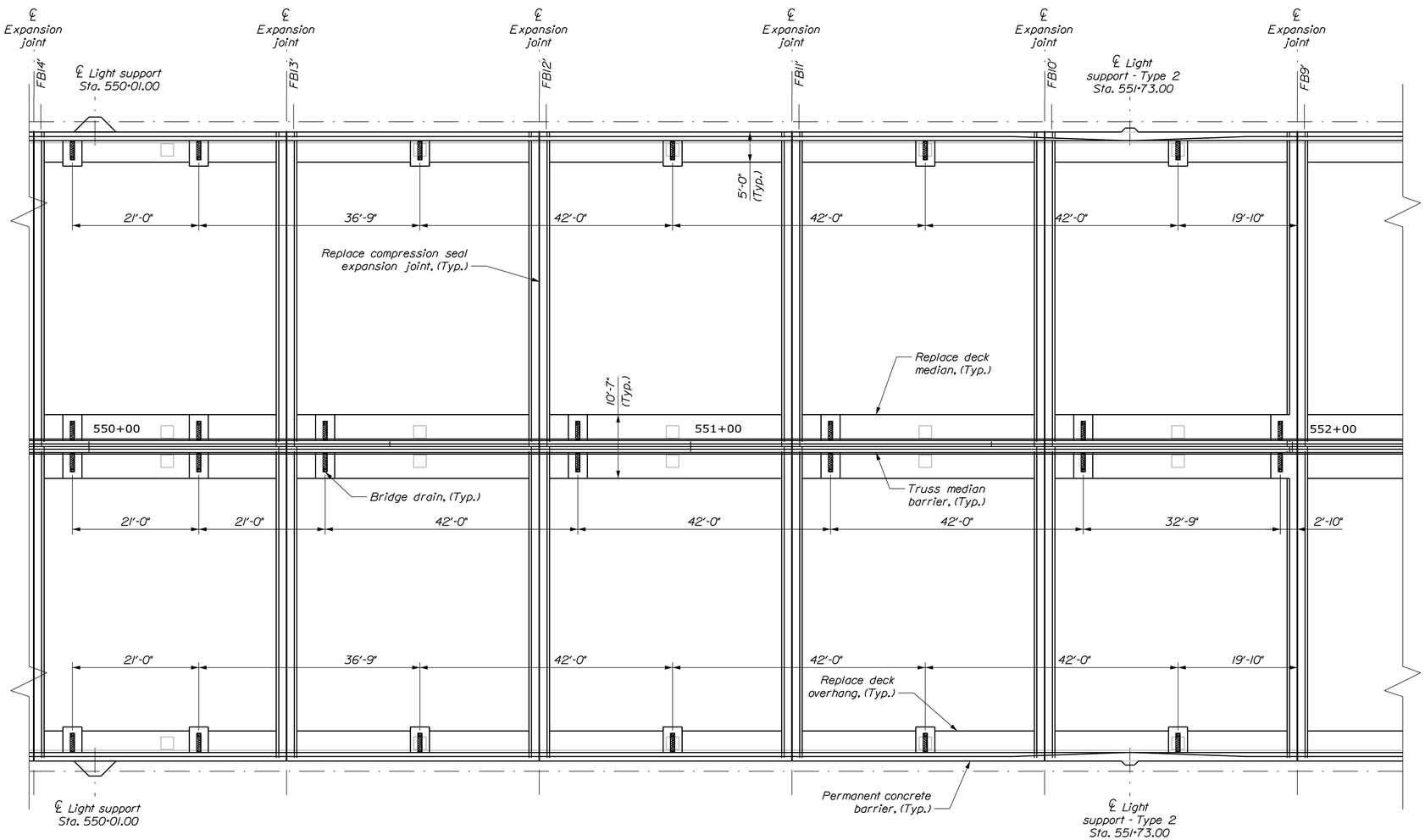
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14 OF 24

SHEET NUMBER

191

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Date:11/7/2018

Username:

Division: HIGHWAY

Filename: ...\MSTA\xxx_Deck_Plan_15.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake	P. White	9/18
DESIGN-DETAILED C. Taylor	D. Myers	9/18
CHECKED-REVIEWED D. Myers		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

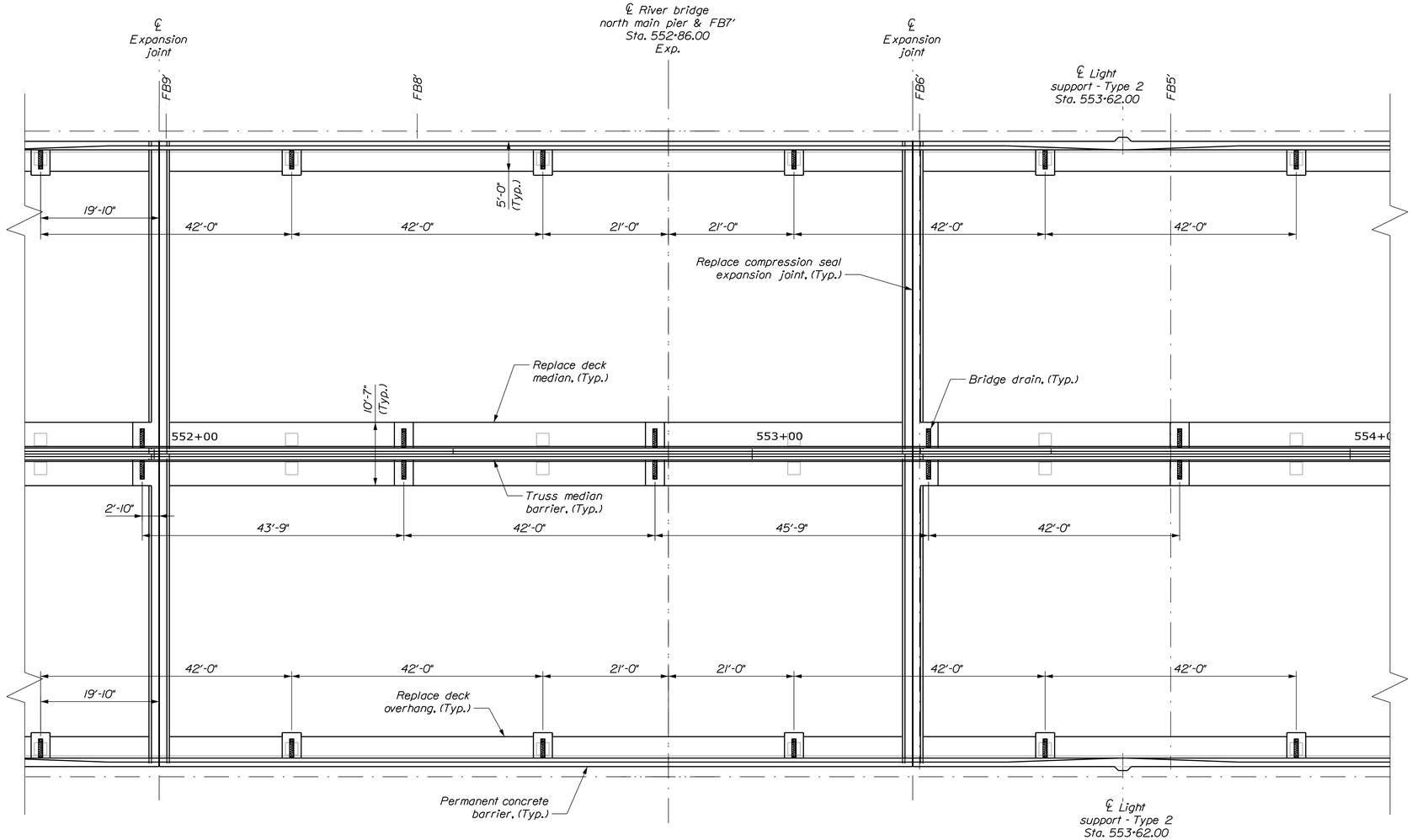
DECK PLAN
15 OF 24

SHEET NUMBER

192

OF 230

T·Y·LIN INTERNATIONAL



DECK PLAN

Date:11/7/2018

Username:

Division: HIGHWAY

Filename: ...\MSTA\xxx_Deck_Plan_16.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	P. White	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2	D. Myers	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

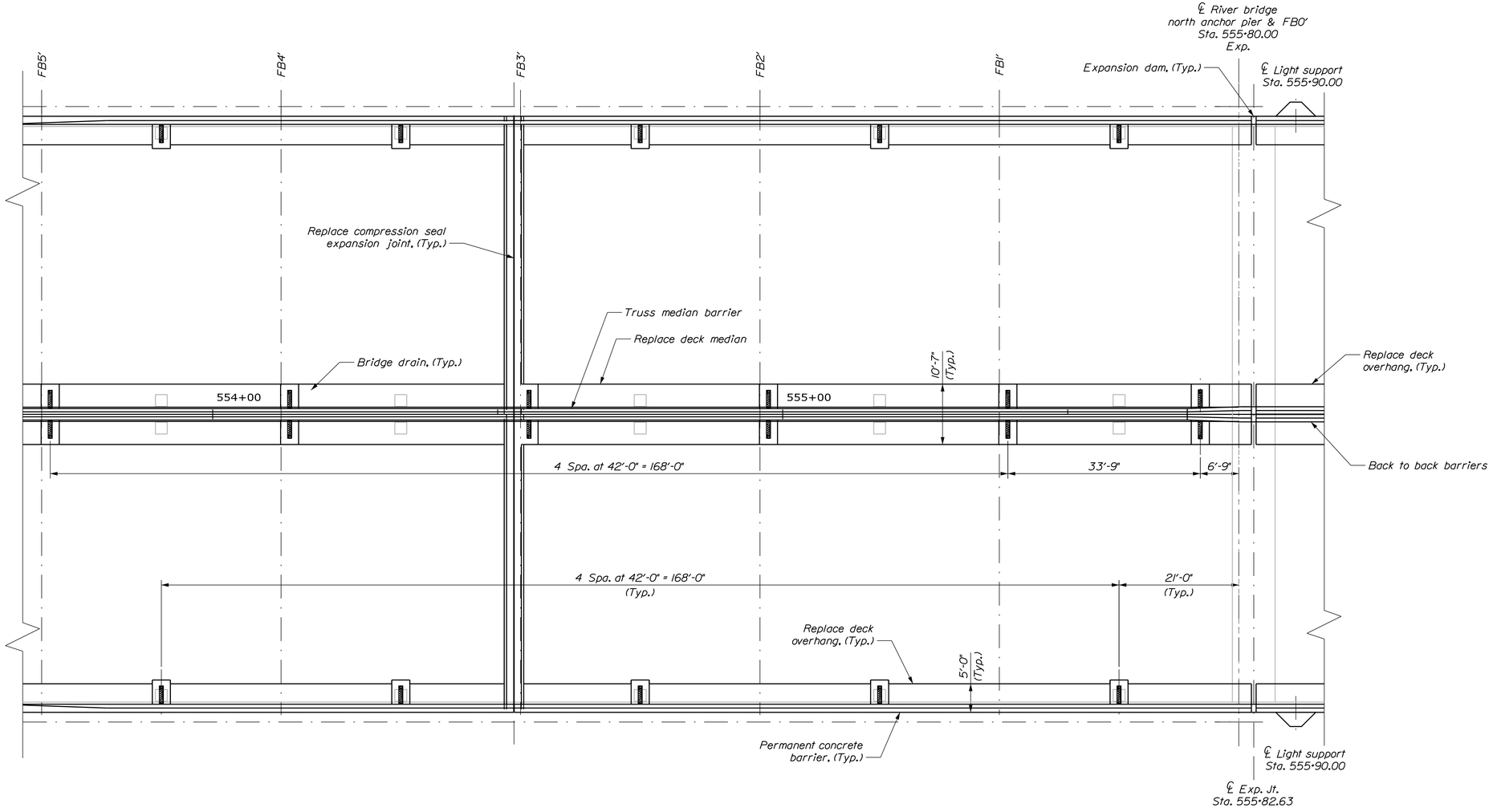
DECK PLAN
16 OF 24

SHEET NUMBER

193

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Username:

Date:11/7/2018

Division: HIGHWAY

Filename: ...\MSTA\xxx_Deck_Plan_17.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE	
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

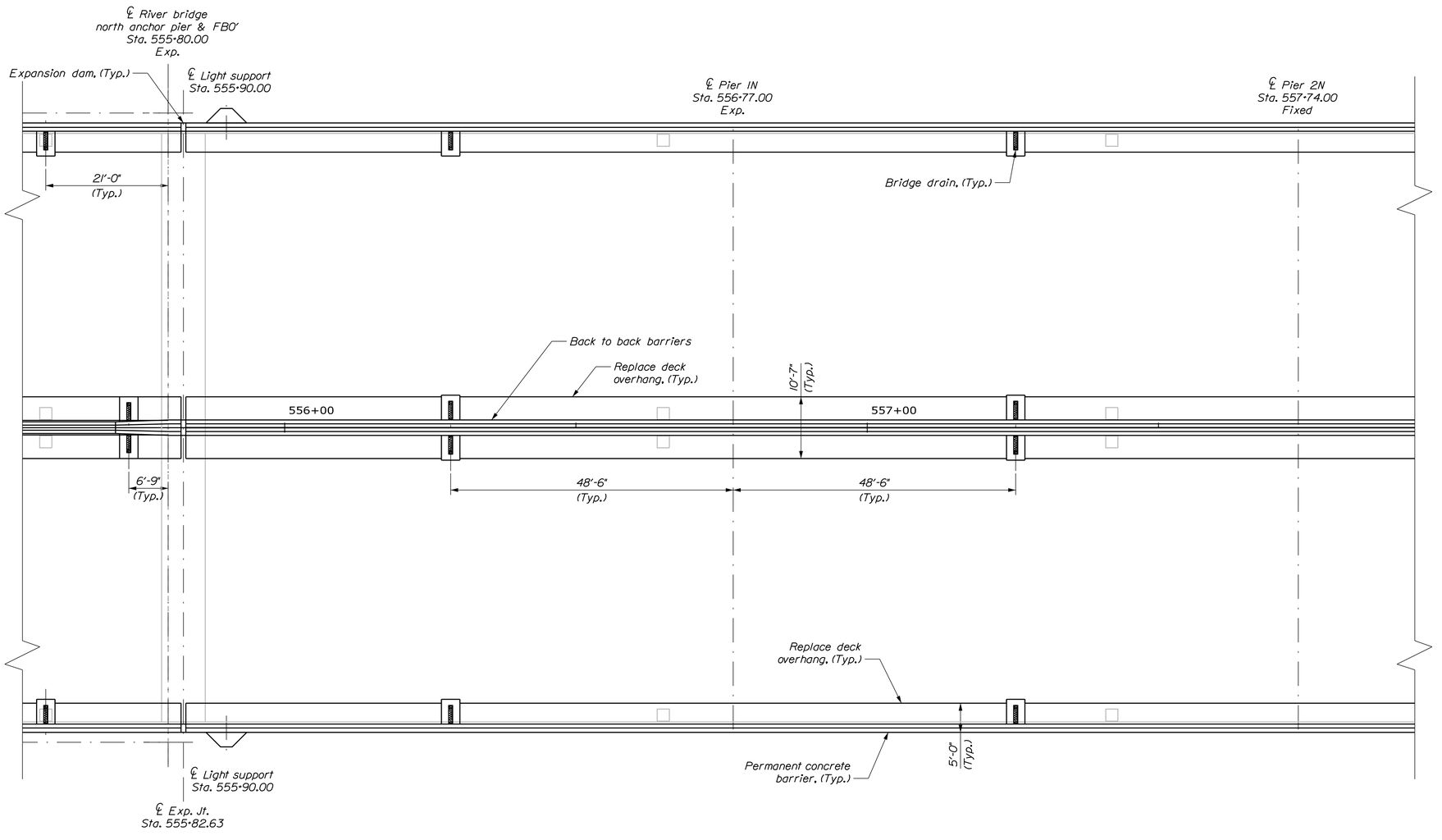
DECK PLAN
17 OF 24

SHEET NUMBER

194

OF 230

T·Y·LIN INTERNATIONAL



DECK PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake	BY	DATE	
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
18 OF 24

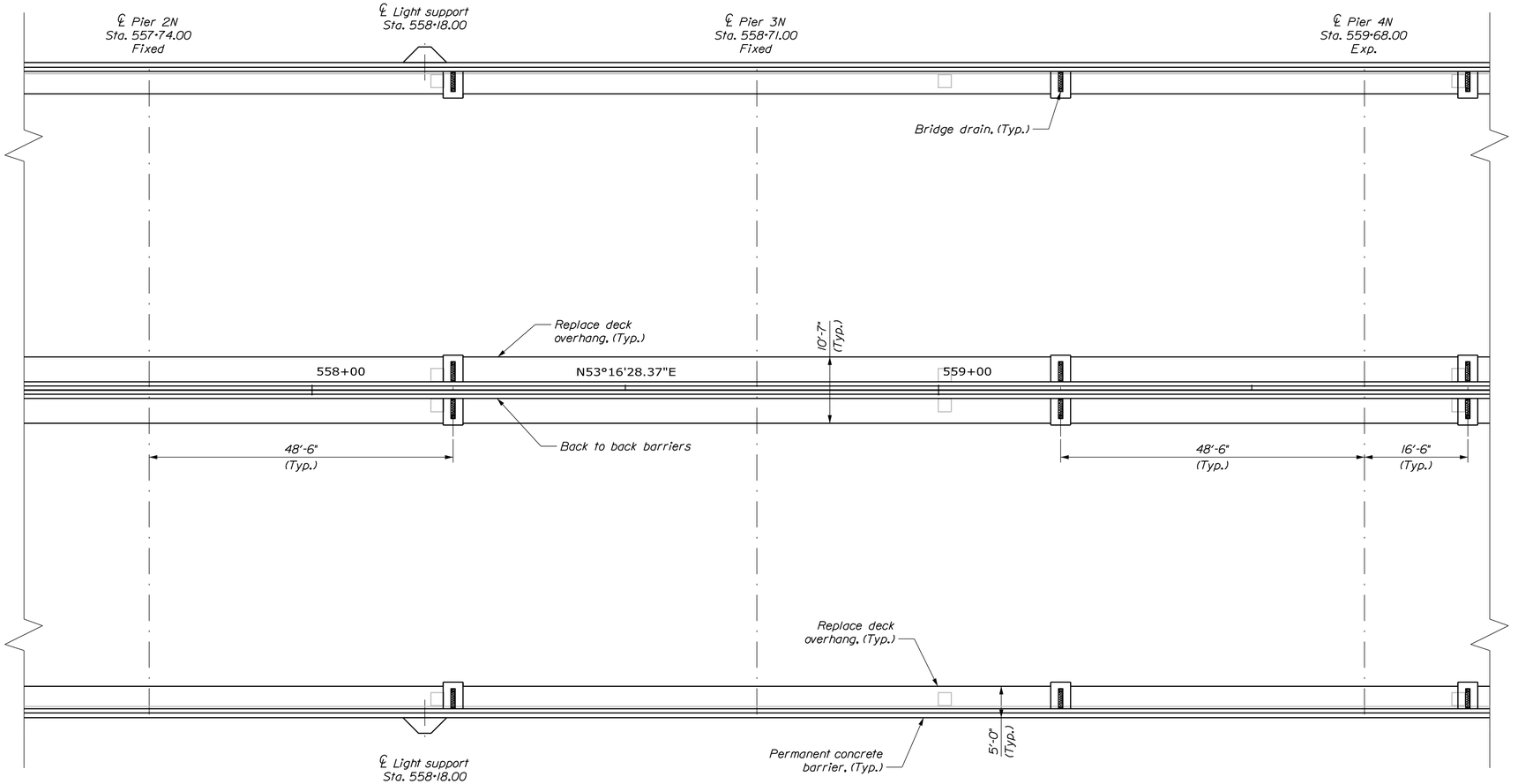
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OF 230

TYLIN INTERNATIONAL

Filename: ...\MSTA\xxx_Deck_Plan_18.dgn Division: HIGHWAY Username: Date:11/7/2018



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_19.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY
DESIGN-DETAILED	C. Taylor	P. White
CHECKED-REVIEWED	D. Myers	D. Myers
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

	DATE
P. White	9/18
D. Myers	9/18

SIGNATURE

P.E. NUMBER

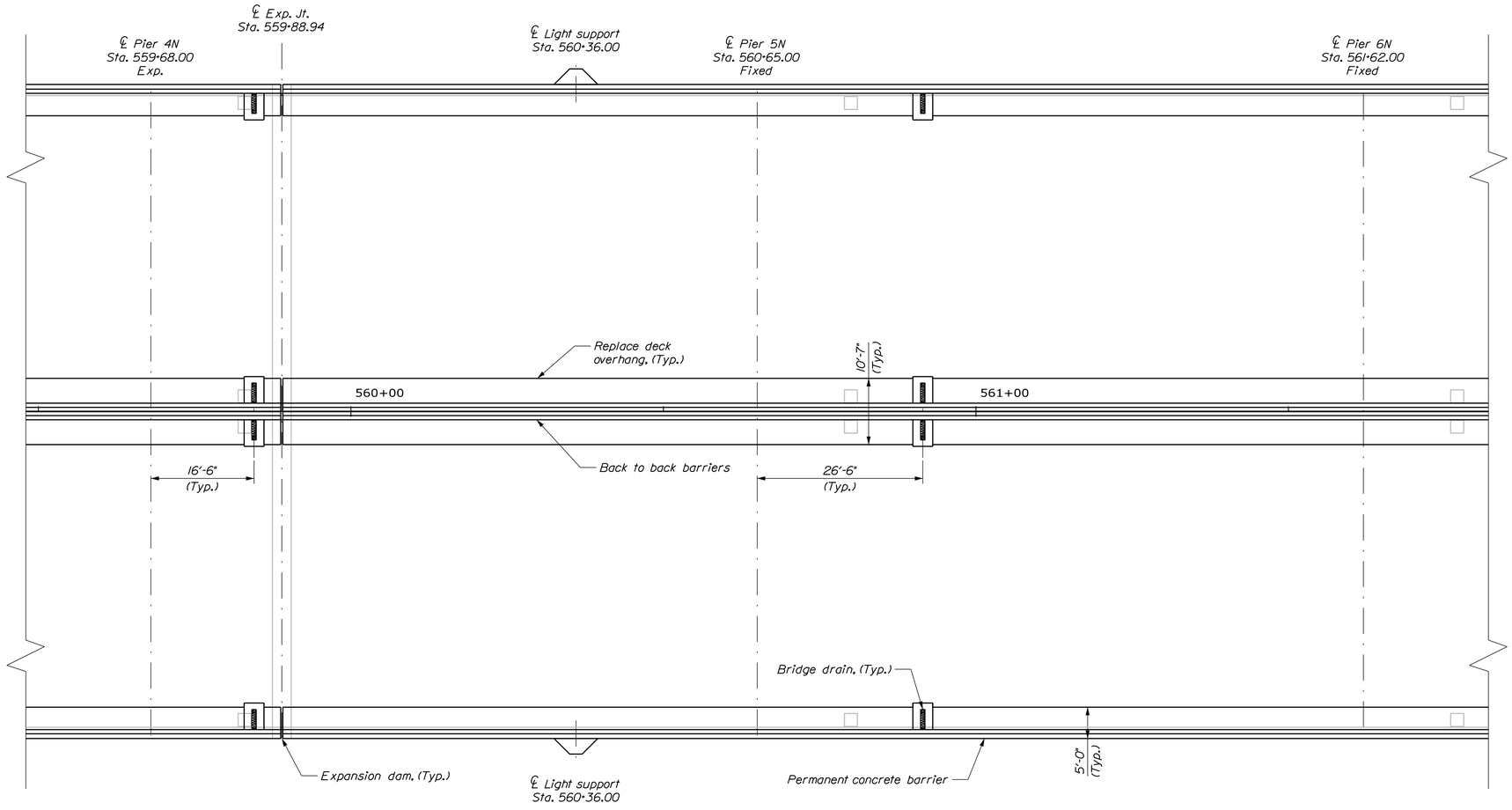
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
19 OF 24

SHEET NUMBER
196
OF 230

TY LIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_20.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake	BY	DATE	
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

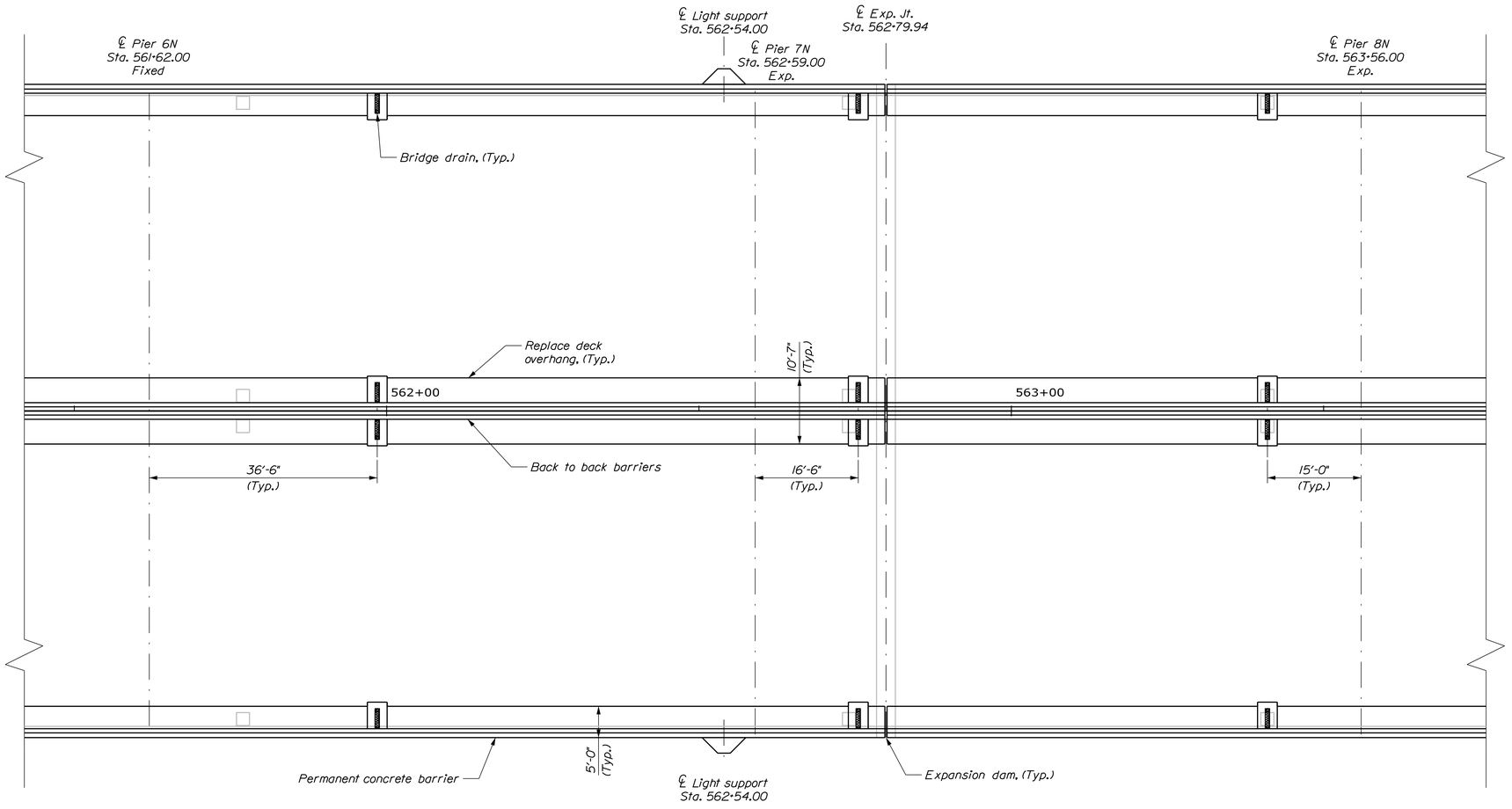
DECK PLAN
20 OF 24

SHEET NUMBER

197

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_21.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

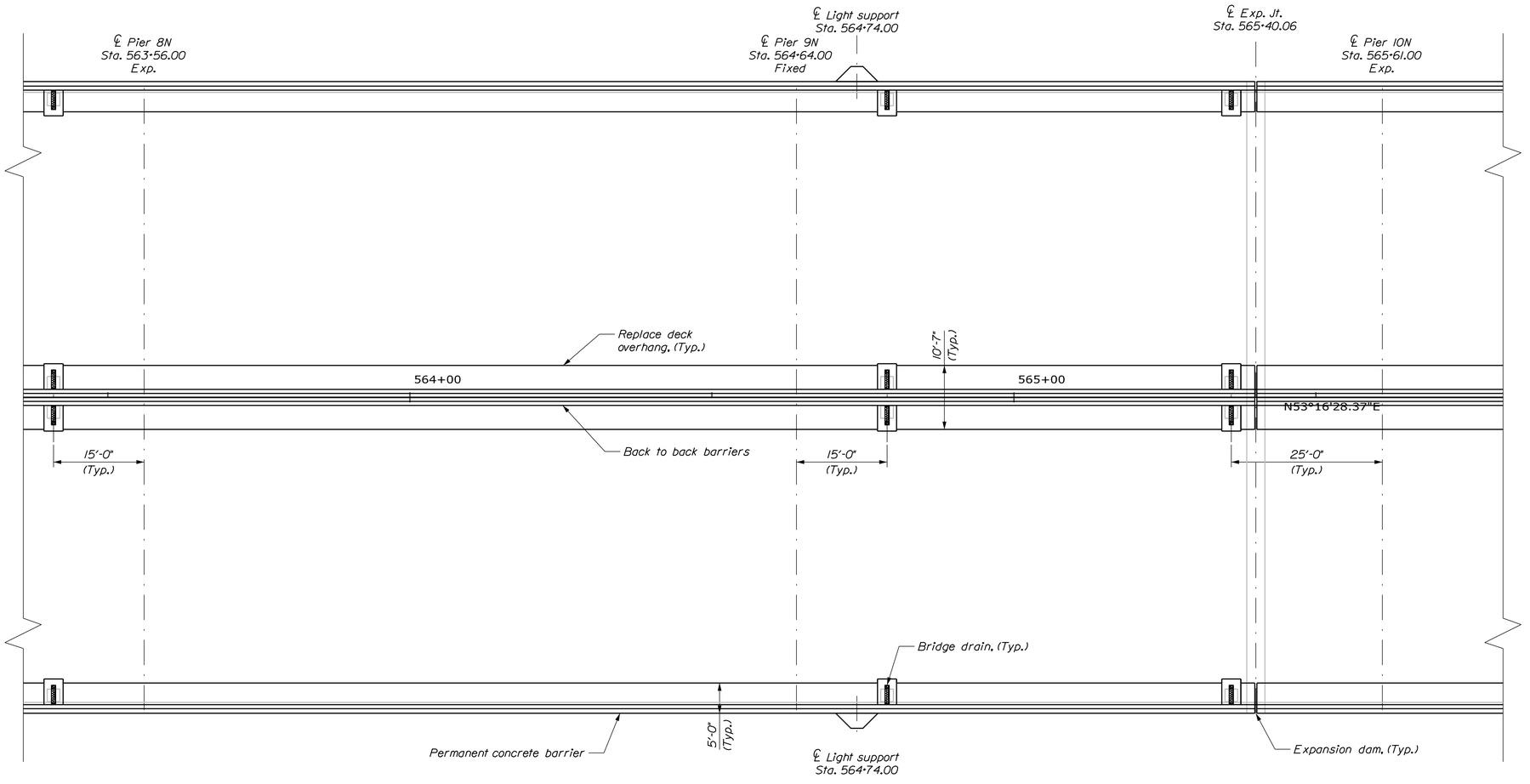
DECK PLAN
21 OF 24

SHEET NUMBER

198

OF 230

TYLIN INTERNATIONAL



DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_22.dgn Division: HIGHWAY Username: Date:11/7/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake		BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
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REVISIONS 1			
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FIELD CHANGES			

SIGNATURE

P.E. NUMBER

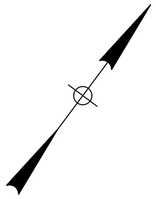
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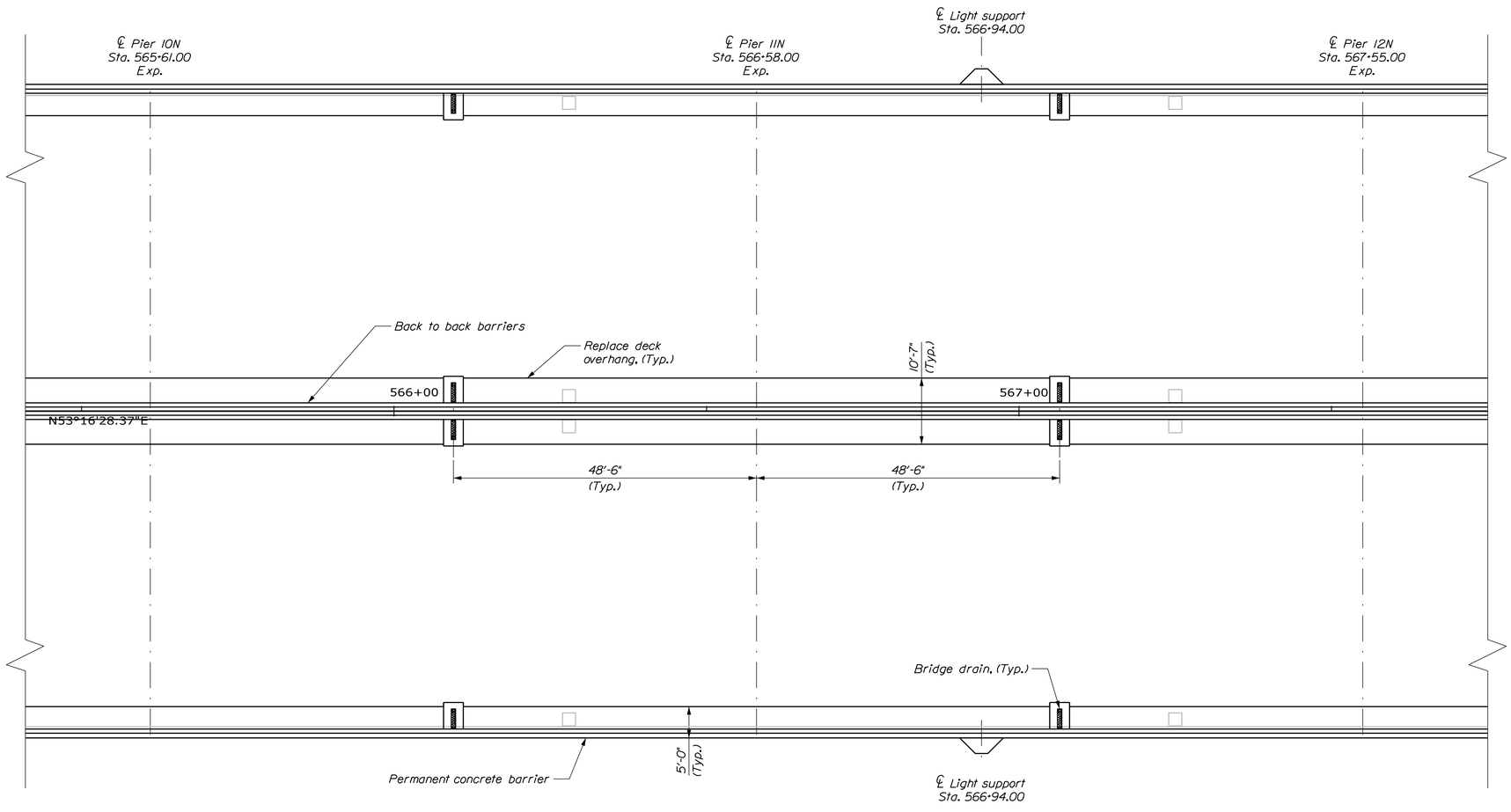
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
22 OF 24

SHEET NUMBER
199
OF 230

T-Y LIN INTERNATIONAL





DECK PLAN

Filename: ...\MSTA\xxx_Deck_Plan_23.dgn Username: Date:11/7/2018

Division: HIGHWAY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake		BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

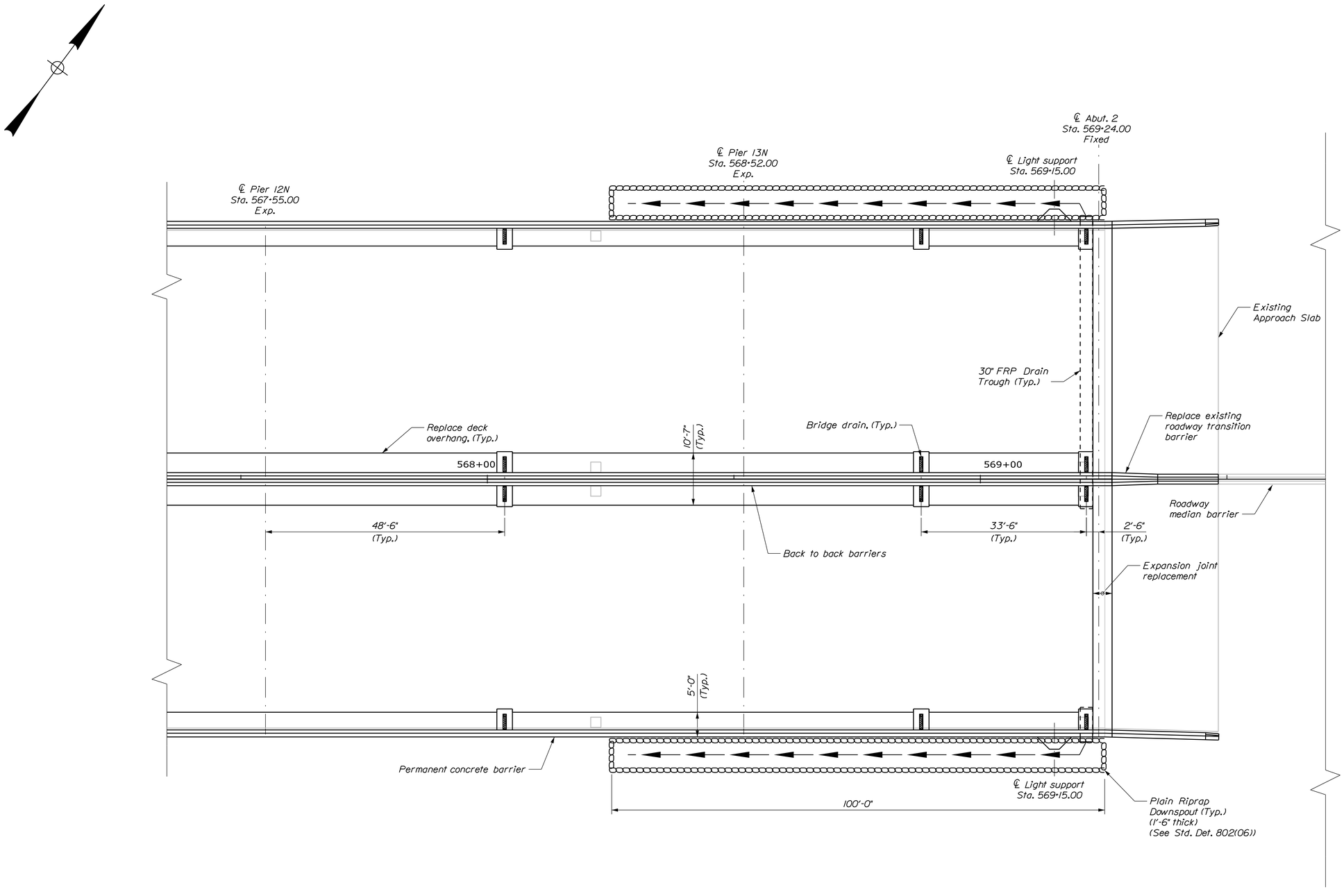
DECK PLAN
23 OF 24

SHEET NUMBER

200

OF 230

T-Y LIN INTERNATIONAL



DECK PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake			
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK PLAN
24 OF 24

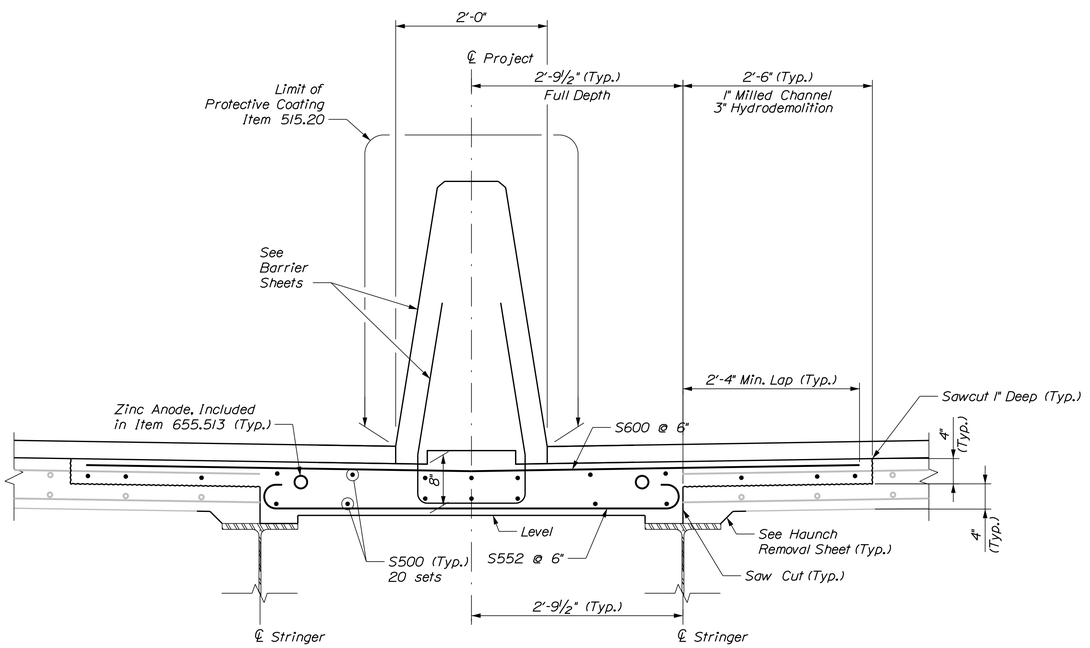
SHEET NUMBER

201

OF 230

TYLIN INTERNATIONAL

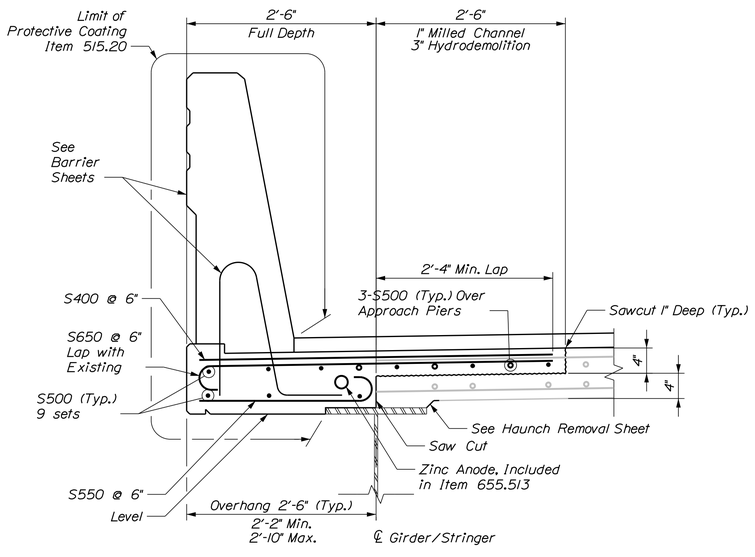
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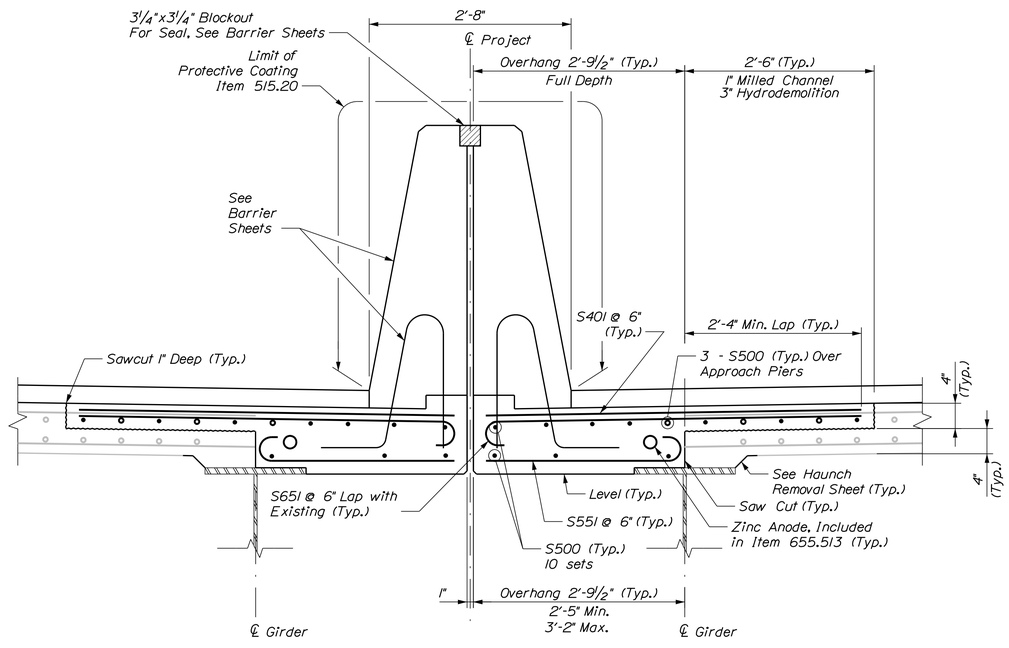
DECK REPLACEMENT AT
TRUSS MEDIAN BARRIER

NOTES:

1. A one inch milled channel is shown to aid in water and debris containment during hydrodemolition.



DECK REPLACEMENT AT FASCIA



DECK REPLACEMENT AT
APPROACH MEDIAN BARRIER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER Leanne Timberlake	BY	DATE	
DESIGN-DETAILED	C. Taylor	L. Petix	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

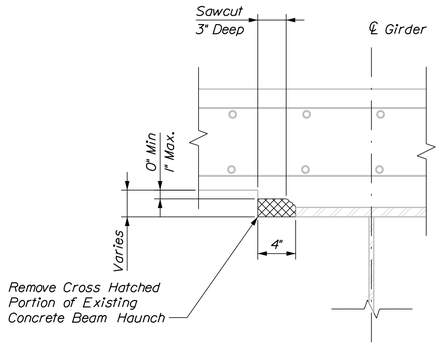
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK REPLACEMENT DETAILS

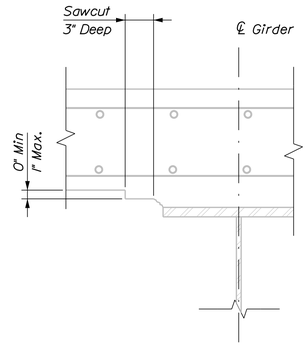
SHEET NUMBER
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OF 230

T·Y·LIN INTERNATIONAL

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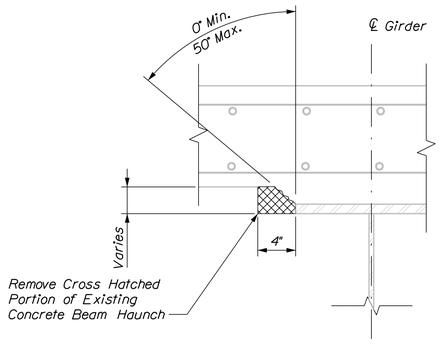


EXISTING CONDITION

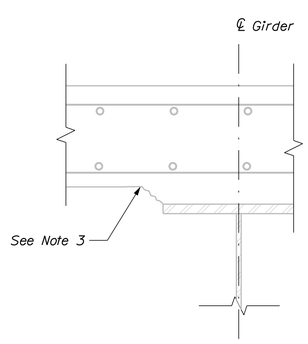


FINAL CONDITION

CONCRETE HAUNCH REMOVAL DETAILS, TYPICAL REMOVAL METHOD



EXISTING CONDITION



FINAL CONDITION

DETAILS FOR INACCESSIBLE LOCATIONS ONLY
HORIZONTAL SAW CUT OMITTED
(See Concrete Haunch Removal Note 2)

CONCRETE HAUNCH REMOVAL NOTES:

1. The removal of the portion of the concrete haunch shown shall be paid for at the contract unit price per linear foot for "Concrete Haunch Removal."
2. This method to be used only in those areas having insufficient clearance for saw-cutting equipment. Areas may include locations above diaphragms or other locations directed by the Resident.
3. If over-removal results, apply two coats of epoxy resin to deck reinforcing steel exposed during haunch removal. All reasonable precautions shall be taken to avoid this condition. Epoxy resin and application shall be incidental to item "Concrete Haunch Removal."
4. Wide haunches shall be fully removed as shown on this page on all girders (with the exception of overhang areas that are being fully reconstructed) in the areas shown in the table below.
5. On areas designated as "Remove loose concrete haunch" in the table below, wide concrete haunches shall be sounded and unsound concrete areas removed on all girders (with the exception of overhang areas that are being fully reconstructed) to the satisfaction of the Resident. Removal areas shall be paid for at the contract price per linear foot for "Concrete Haunch Removal." Sounding shall be incidental to "Concrete Haunch Removal" item.

CONCRETE HAUNCH REMOVAL LOCATIONS:

Location			Concrete Haunch Removal Type
Abut. 1	to	Pier 18S	No removal
Pier 18S	to	Pier 17S	Full concrete haunch removal
Pier 17S	to	Pier 15S	Remove loose concrete haunch
Pier 15S	to	Pier 14S	Full concrete haunch removal
Pier 14S	to	Pier 10S	Remove loose concrete haunch
Pier 10S	to	Pier 2S	Full concrete haunch removal
Pier 2S	to	S. Anchor Pier	No removal
S. Anchor Pier	to	N. Anchor Pier	No removal
N. Anchor Pier	to	Pier 8N	No removal
Pier 8N	to	Pier 9N	Full concrete haunch removal
Pier 9N	to	Abut. 2	No removal

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	L. Petix	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2	J. Legere	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

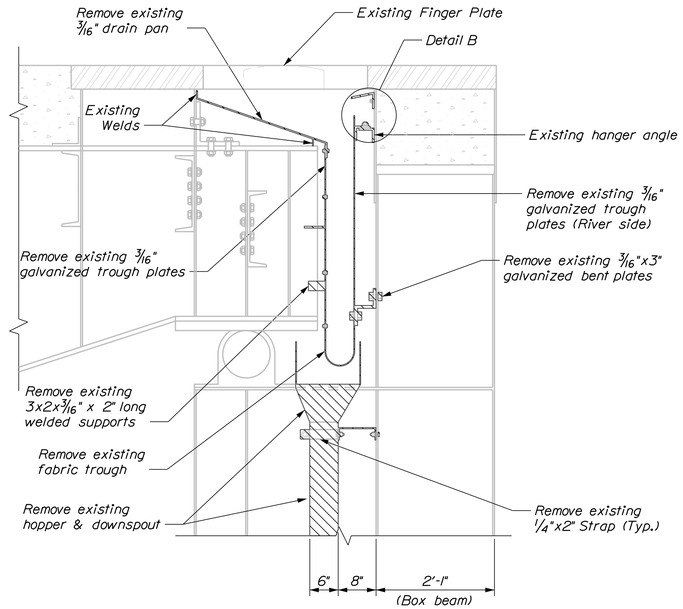
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CONCRETE HAUNCH
REMOVAL DETAILS

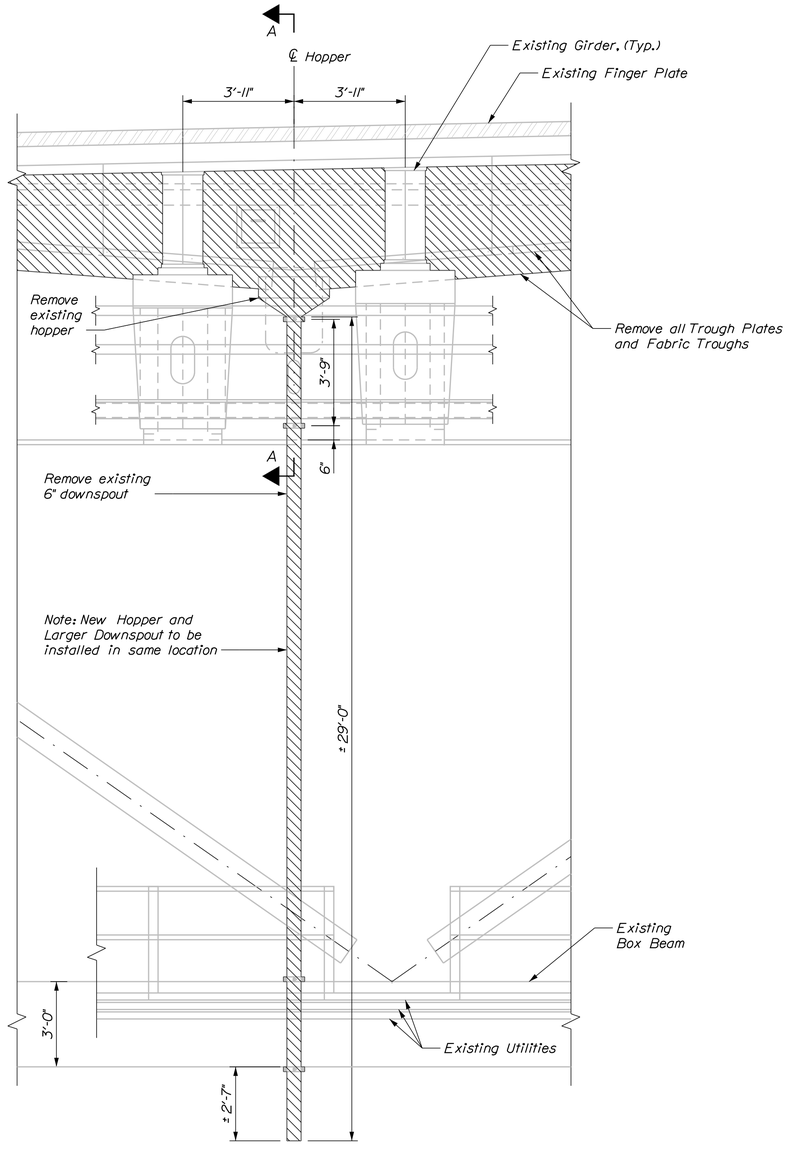
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OF 230

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Filename: ...\xxx_Concrete_Haunch_Removal_Details.dgn Division: HIGHWAY Username: Date:11/7/2018

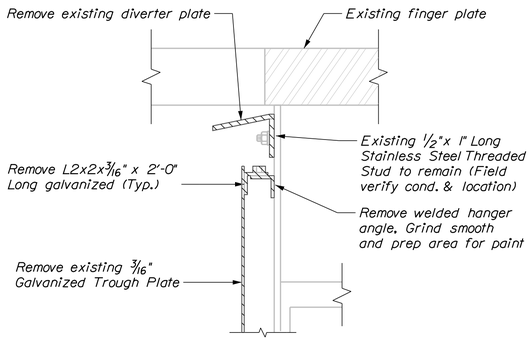


EXISTING SECTION VIEW A-A



EXISTING HOPPER ELEVATION VIEW

AT ANCHOR PIERS
(LOOKING TOWARD RIVER)



DETAIL B

FINGER JOINT TROUGH REMOVAL AND INSTALLATION NOTES:

1. Removal of existing finger joint trough, drain system & hardware, and installation of new drain system & hardware shall be incidental to item 521.32 (Anchor Piers).
2. An existing finger joint drainage trough & hopper system is located under the finger expansion joints at the North & South Anchor Piers.
3. Each finger joint trough drainage system is composed of:
   a. Galvanized steel drain pan - bolted & welded in place.
   b. Galvanized steel diverter plate - bolted to stainless steel studs.
   c. Hanger support angle - welded in place.
   d. Galvanized steel plating with fabric trough
   e. Single hopper & down spout - bolted with hanger supports.
4. Each trough extends from 6"+/- off the hopper location to a point 6"+/- outside the exterior curb line.
5. Remove all items of the existing finger joint drain system excluding the stainless steel studs that are used to attach the existing diverter plate. Field verify the spacing, location and condition of the stainless steel studs. Stud spacing to be a maximum of 2' on center. If the condition of studs is not acceptable, then another method of attachment may be used as approved by the Resident.
6. Touch-up paint all weld removal locations and all areas hidden by the finger joint trough and hardware as directed by the Resident. Paint shall be a zinc rich coating system and work shall be in accordance with standard specification Section 506. Paint shall be incidental to item 521.32, Fabric Trough for Finger Joint (Anchor Pier).
7. All 1/2" Dia. Stainless steel bolts to be supplied with stainless steel locknuts & 9/16" I.D., 1/8" thick stainless steel washer.
8. Fabrication and materials for the curtain trough, including galvanization of steel components, shall be in accordance with the provisions of Standard Specifications Section 521, Finger Joint and Fabric Trough. All elements not specified as stainless steel in the plans shall be hot-dip galvanized. Stainless steel bars and plates shall meet the requirements of ASTM A666 and bolts shall meet the requirements of ASTM F543.
9. The neoprene sheets for each side of drain hopper shall be fabricated in one piece with no seams. Where the two neoprene sheets meet over the hopper, the sheets shall be connected together - see "Seam Detail".
10. The seams for the neoprene sheets shall be located on the center line of the trough. At the bottom of the seam the trough should have diagonal cuts large enough to allow sufficient drainage of the trough into the hopper.
11. The proposed neoprene trough to be installed with the same slope as existing system.
12. Where ever "Sealant" is specified, it shall be a product found on the MaineDOT "Qualified Products List" for "Silicone and Polyurethane Joint Sealants", and suitable for the intended application as approved by the Resident.

Date:11/7/2018
Username:
Filename: ...\xxx_Drain_Trough_Anchor_Piers_Details.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1927(000)E
WIN 019270.00
BRIDGE NOS. 6330
BRIDGE PLANS

	BY	DATE
PROJ. MANAGER - Leanne Timberlake		
DESIGN-DETAILED	J. Legere	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

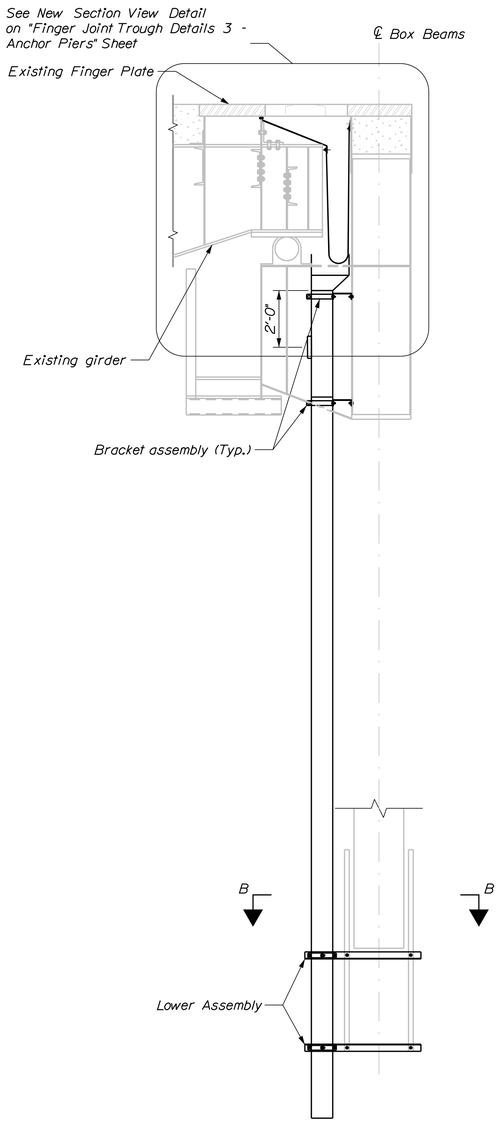
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FINGER JOINT TROUGH
ANCHOR PIERS SHEET 1 OF 3

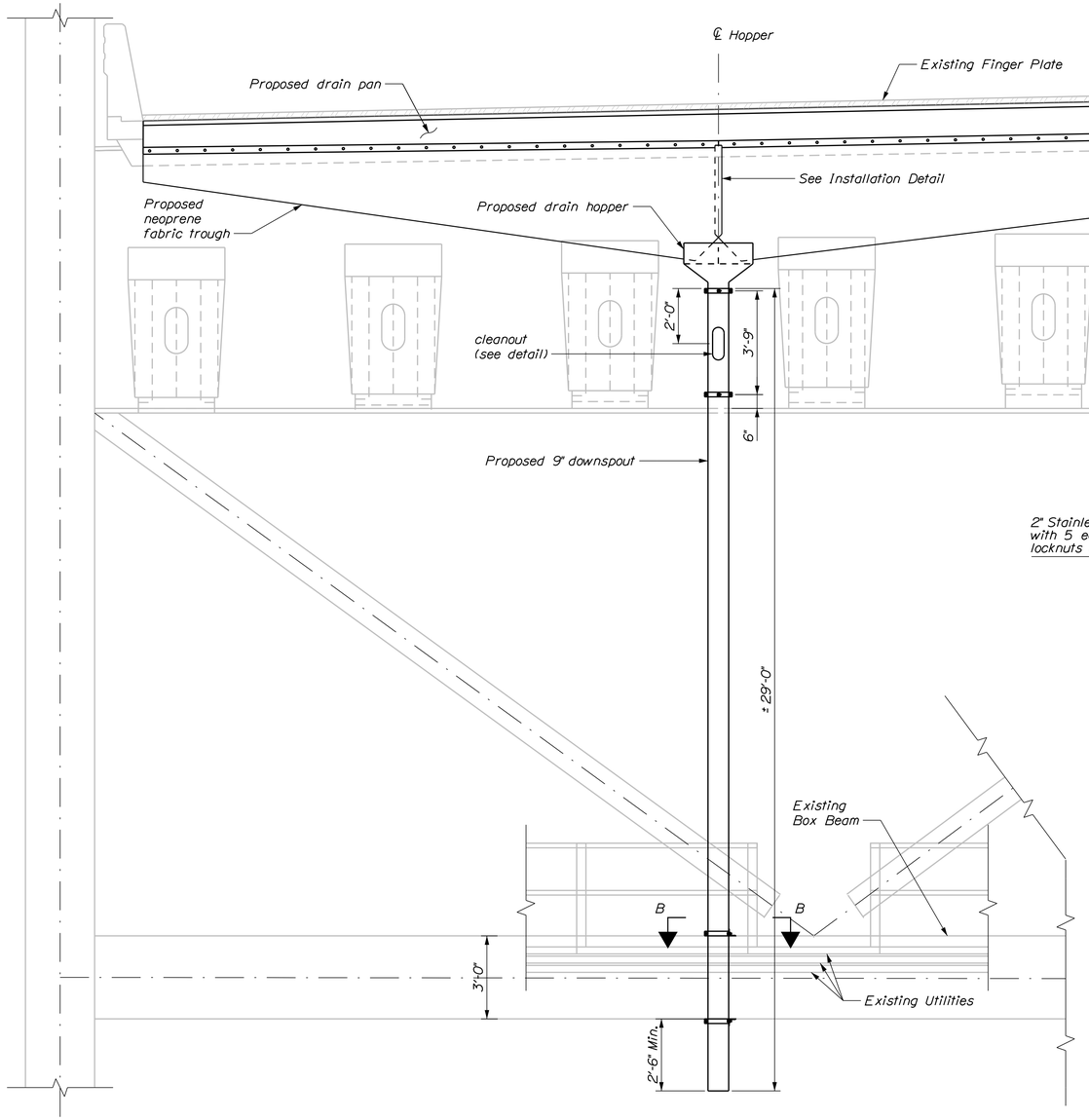
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OF 230

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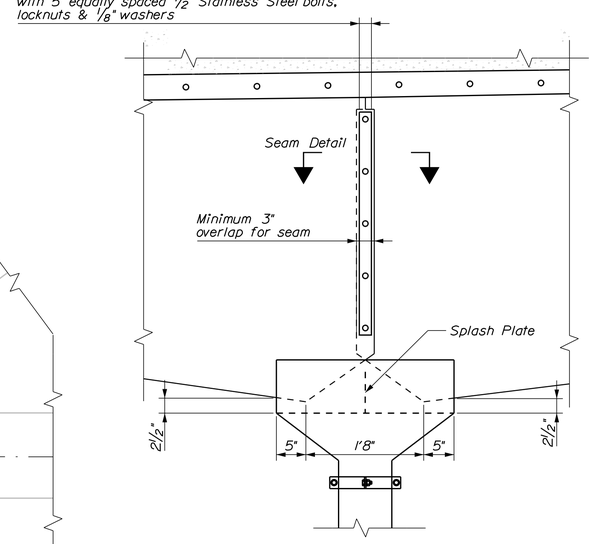
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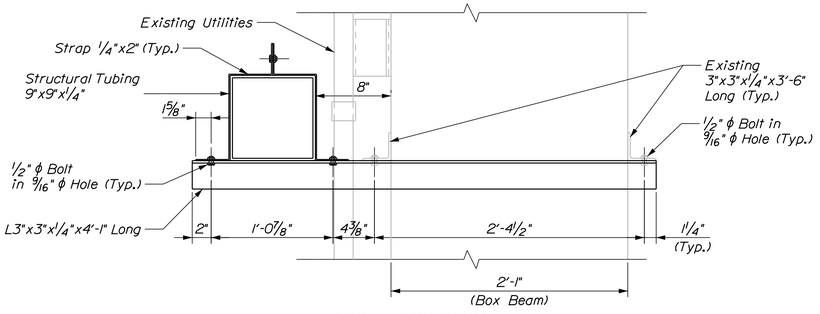
SIDE VIEW



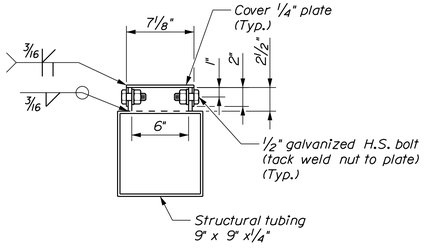
NEW HOPPER ELEVATION VIEW
(GIRDERS NOT SHOWN FOR CLARITY)



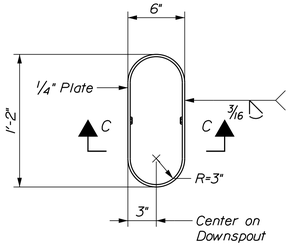
INSTALLATION DETAIL



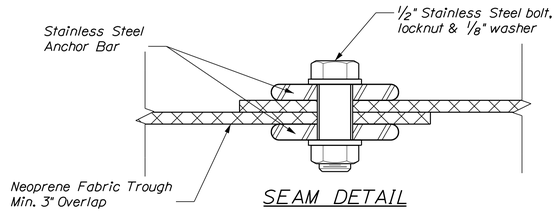
LOWER ASSEMBLY
SECTION B-B



SECTION C-C



CLEANOUT DETAIL



SEAM DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	J. Legere	9/28
CHECKED-REVIEWED	D. Meyers	9/28
DESIGN2-DETAILED2		
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REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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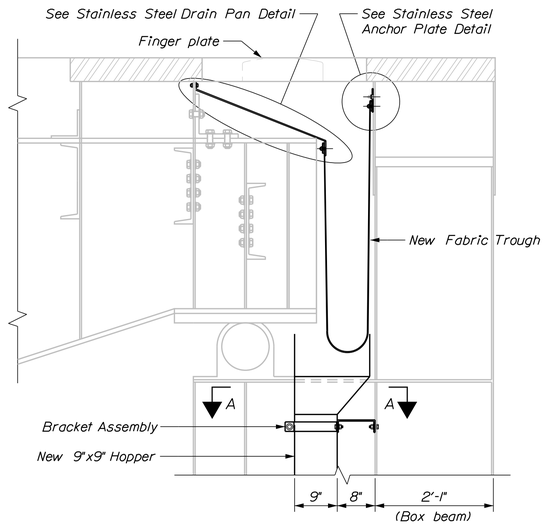
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

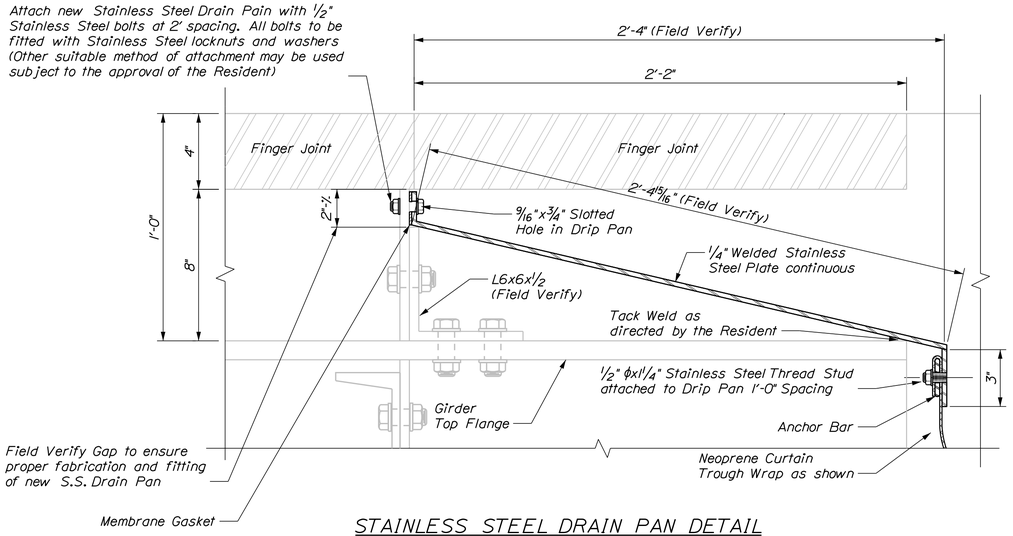
FINGER JOINT TROUGH ANCHOR PIERS SHEET 2 OF 3

SHEET NUMBER
205
OF 230

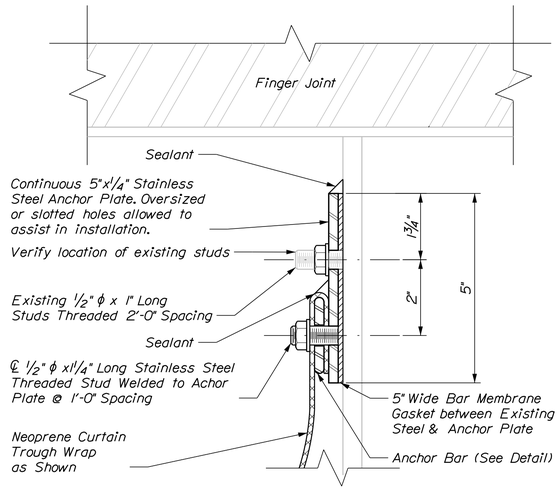
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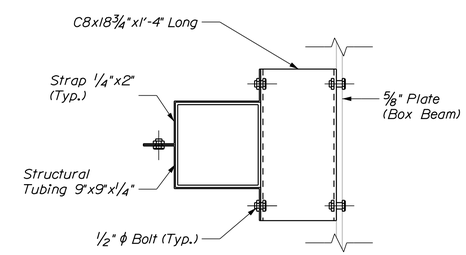
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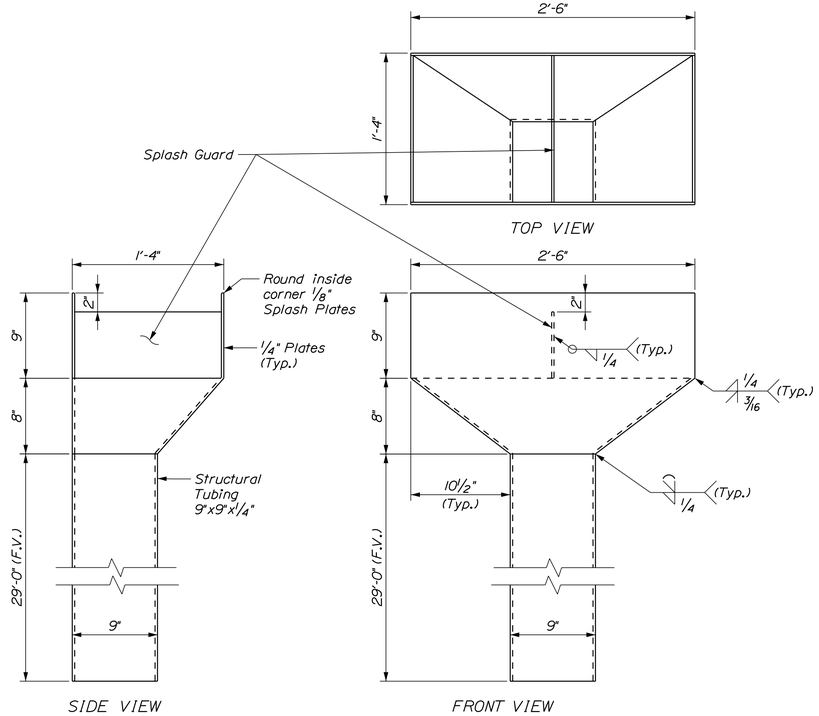
STAINLESS STEEL DRAIN PAN DETAIL



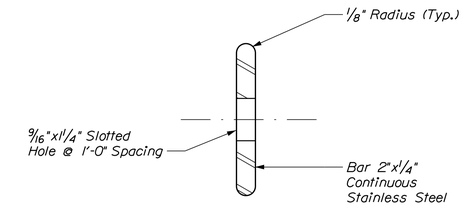
STAINLESS STEEL ANCHOR PLATE DETAIL



BRACKET ASSEMBLY - SECTION A-A



TYPICAL HOPPER SECTION



ANCHOR BAR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FINGER JOINT TROUGH
ANCHOR PIERS SHEET 3 OF 3

SHEET NUMBER

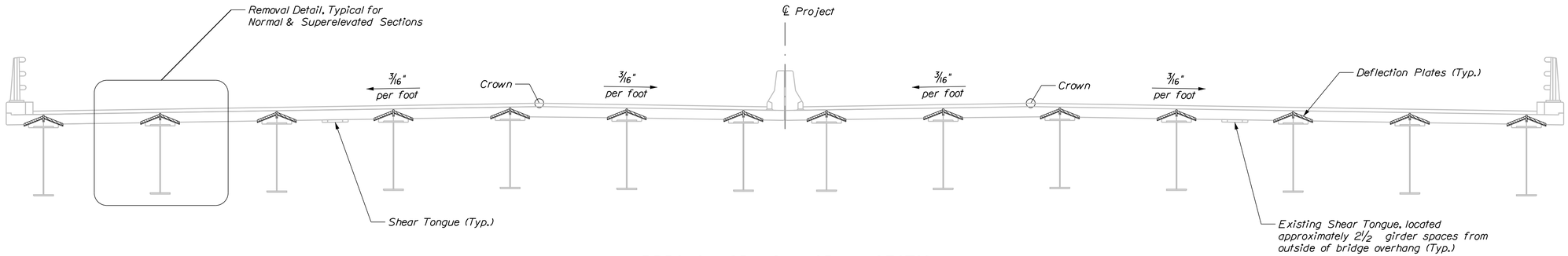
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OF 230

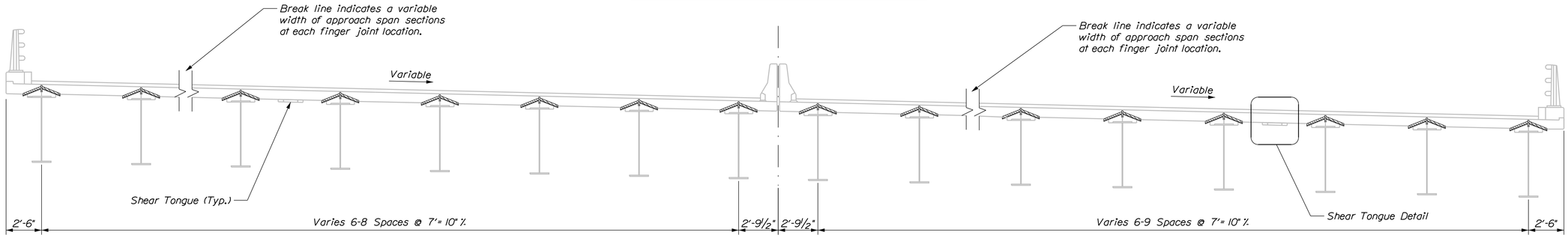
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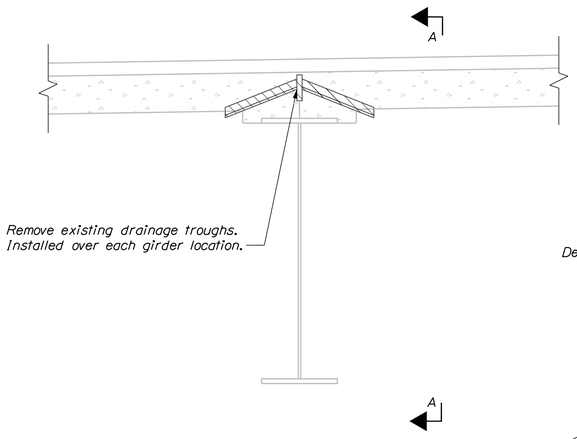
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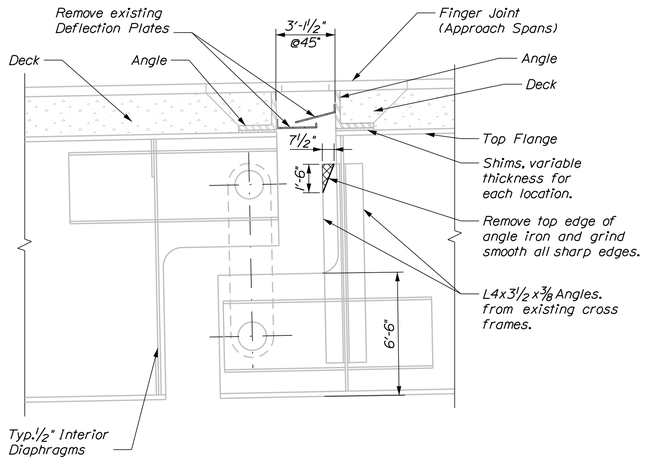
APPROACH SPANS - NORMAL SECTION



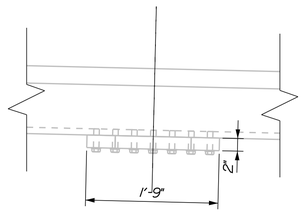
APPROACH SPAN - SUPERELEVATED SECTION



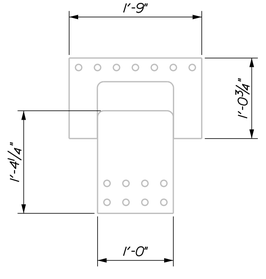
REMOVAL DETAIL



EXISTING CROSS FRAME, DETAIL A



SHEAR TONGUE DETAIL



SHEAR TONGUE (Top View)

FINGER JOINT TROUGH REMOVAL & INSTALLATION NOTES:

1. Removal of existing finger joint deflection plates & hardware, and installation of new drain system & hardware shall be incidental to item 521.32 (Approach Spans).
2. Existing finger joint deflection plates are located over each girder under the finger expansion joints on the ME & NH approach sections.
3. Remove all existing deflection plates over each girder at each finger expansion joint location on the ME & NH approach sections.
4. Touch-up paint all weld removal locations and all areas hidden by the finger joint deflection plates as directed by the Resident. Paint shall be a zinc rich coating system and work shall be in accordance with standard specification Section 506. Paint shall be incidental to item 521.32, Fabric Trough for Finger Joint (Approach Sections).
5. Fabrication and materials for the finger joint trough, including galvanization of steel components, shall be in accordance with the provisions of Standard Specifications Section 521, Finger Joint and Fabric Trough. All elements not specified as stainless steel in the plans shall be hot-dip galvanized. Stainless steel bars and plates shall meet the requirements of ASTM A666 and bolts shall meet the requirements of ASTM F543.
6. The neoprene sheets for each side of drain hopper shall be fabricated in one piece with no seams. Where the two neoprene sheets meet over the hopper, the sheets shall be connected together - see "Seam Detail".
7. The seams for the neoprene sheets shall be located on the center line of each trough. At the bottom of the seam the trough should have diagonal cuts large enough to allow sufficient drainage of the trough into the hopper.
8. The proposed neoprene trough to be installed with the minimum slope indicated or greater.
9. Method of attachment may be changed subject to the approval of the Resident.
10. Where ever "Sealant" is specified, it shall be a product found on the MaineDOT "Qualified Products List" for Silicone and Polyurethane Joint Sealants", and suitable for the intended application as approved by the Resident.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	J. Legere	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

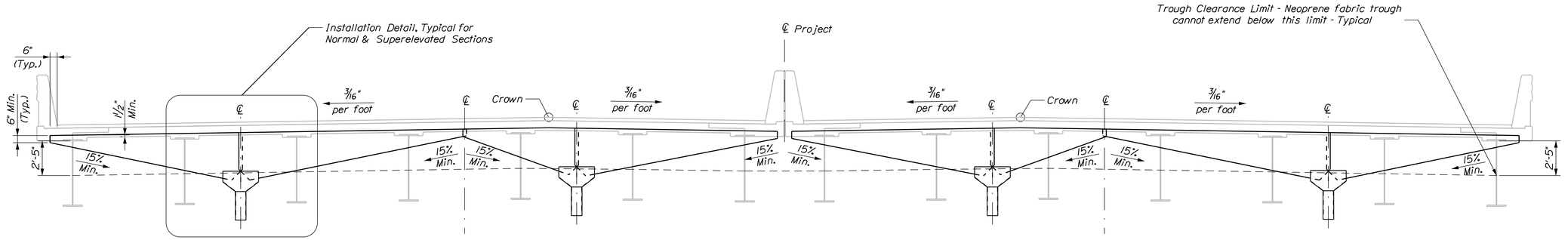
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FINGER JOINT TROUGH
APPROACH SECT. SHT. 1 OF 3

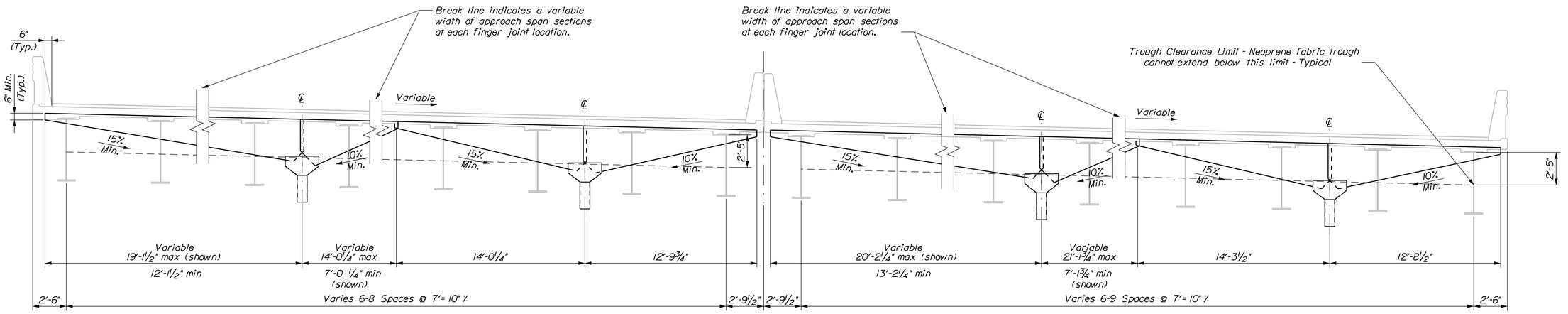
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OF 230

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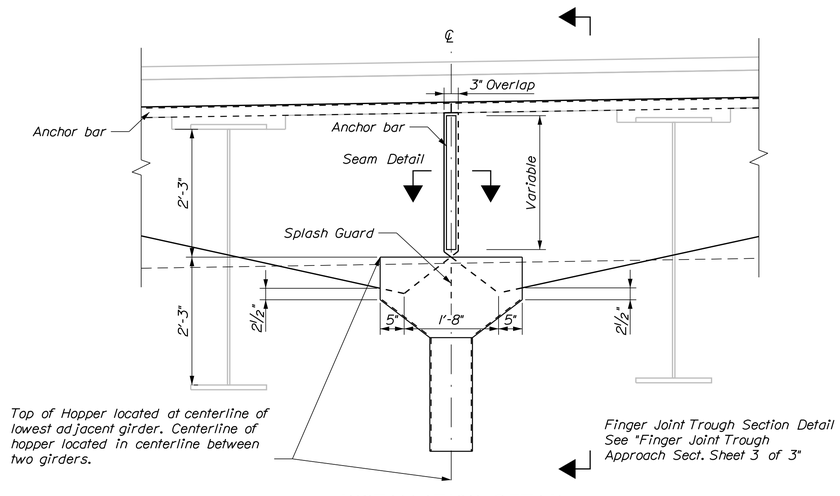
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Date:11/7/2018



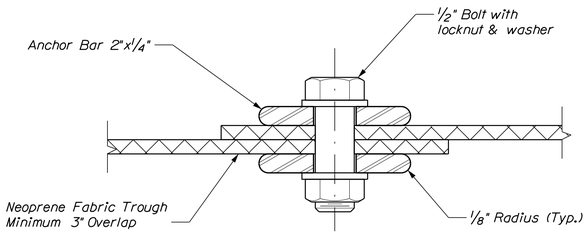
APPROACH SPANS - NORMAL SECTION



APPROACH SPAN - SUPERELEVATED SECTION



INSTALLATION DETAIL



SEAM DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	J. Legere	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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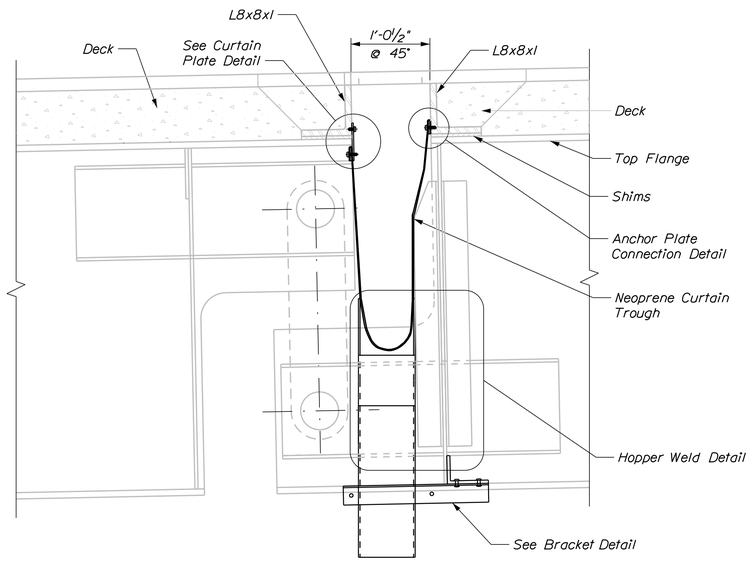
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FINGER JOINT TROUGH
APPROACH SECT. SHT. 2 OF 3

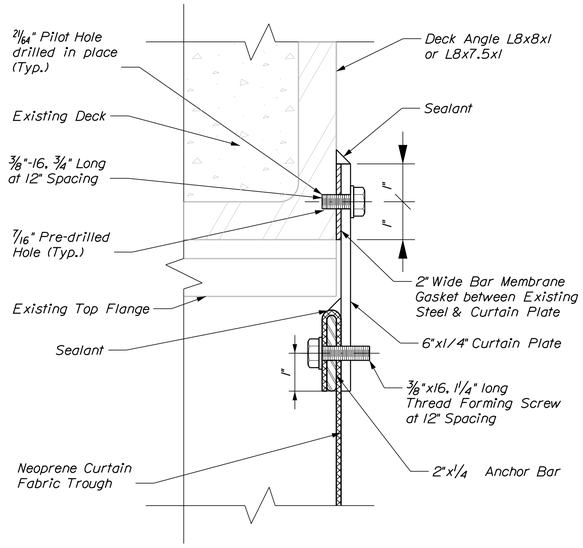
SHEET NUMBER
208
OF 230

T-Y LIN INTERNATIONAL

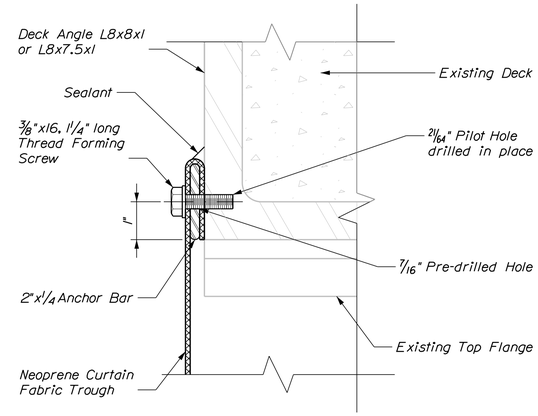
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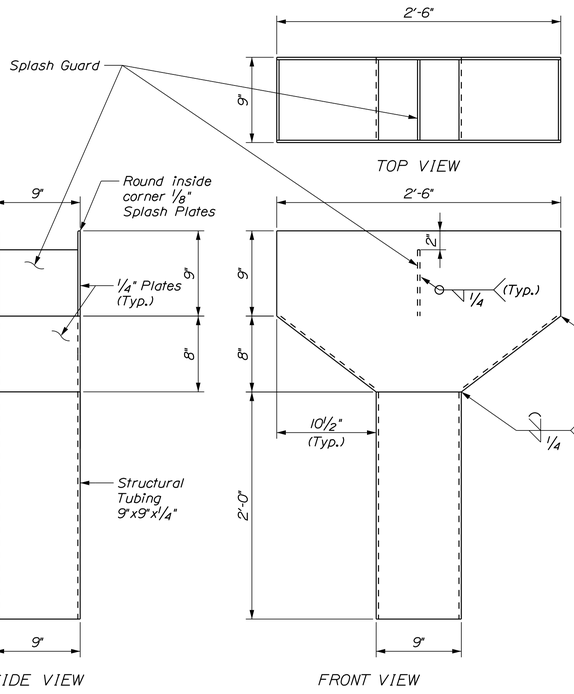
FINGER JOINT TROUGH DETAIL



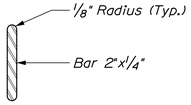
CURTAIN PLATE CONNECTION DETAIL



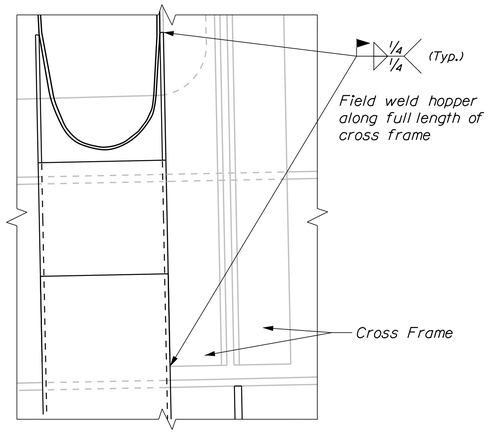
ANCHOR BAR CONNECTION DETAIL



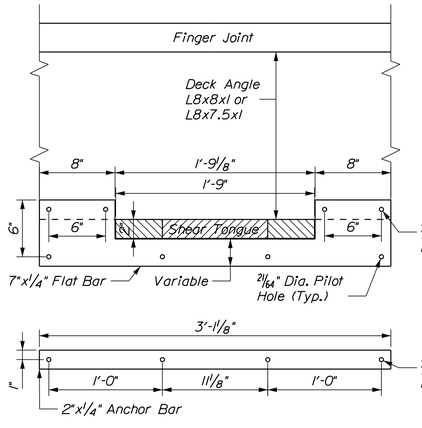
TYPICAL HOPPER SECTION

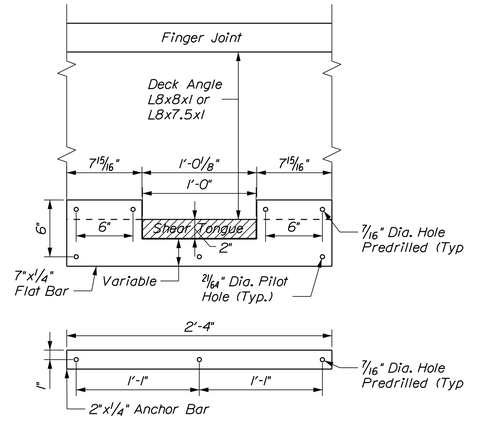


ANCHOR BAR



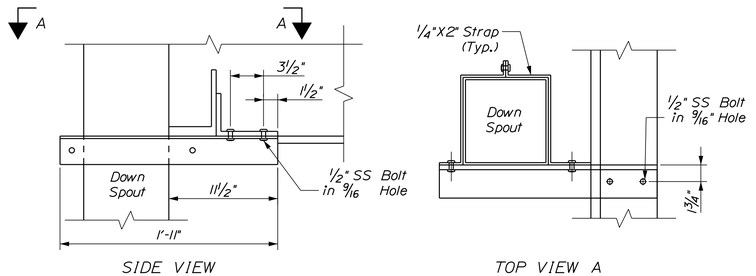
HOPPER WELD DETAIL





NOTE: Deck angle to be drilled in place with 21/64" pilot hole to accept 3/8"-16 thread forming screw. depth of pilot hole in deck angle is 3/4".

SHEAR TONGUE PLATE DETAILS



BRACKET DETAILS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	J. Legere	9/18
CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FINGER JOINT TROUGH
APPROACH SECT. SHT. 3 OF 3

SHEET NUMBER

209

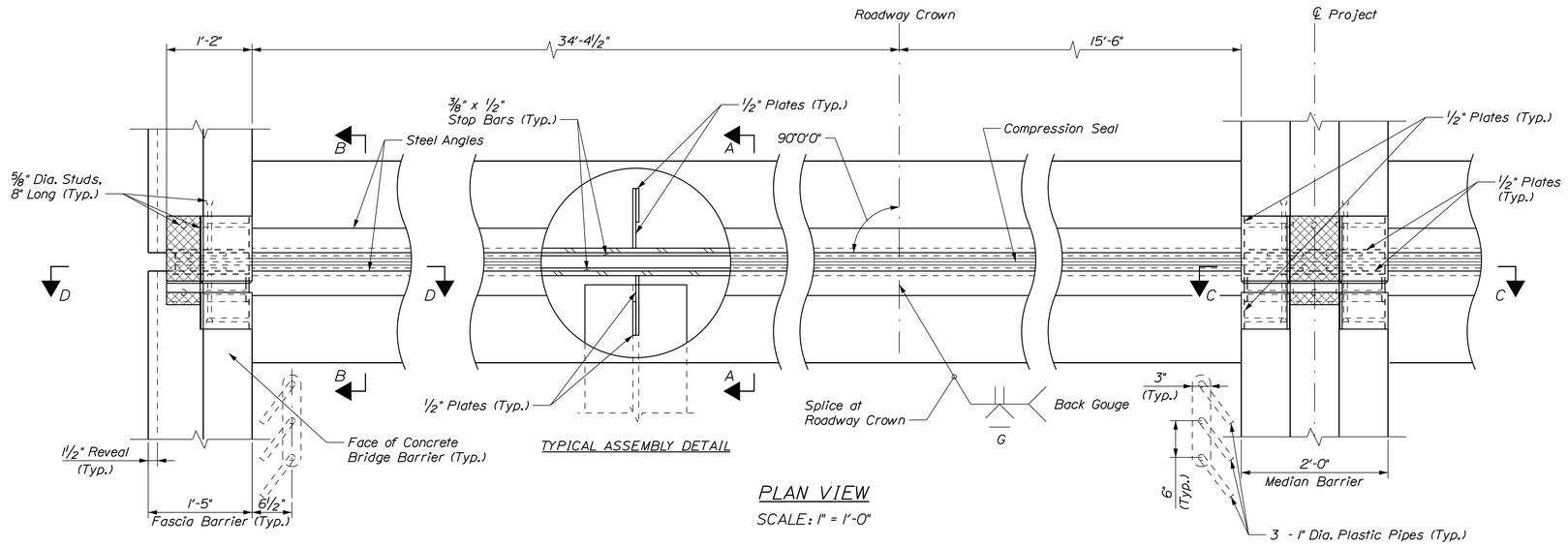
OF 230

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Date:11/7/2018

Username:

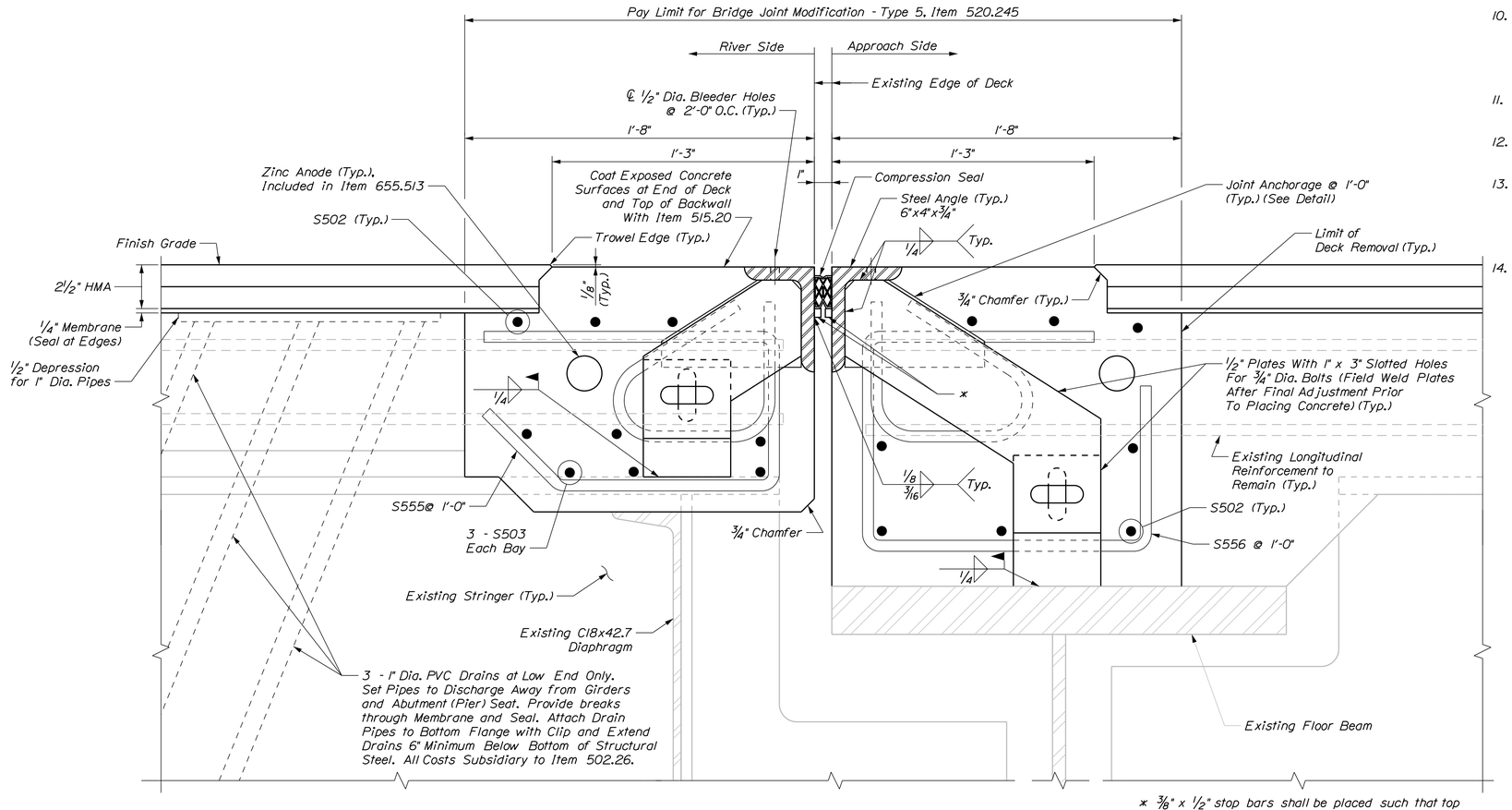
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TYPICAL ASSEMBLY DETAIL

PLAN VIEW

SCALE: 1" = 1'-0"



SECTION A-A

SCALE: 3" = 1'-0"

* ⅜" x ½" stop bars shall be placed such that top of seal will be ½" below top of the angles.

EXPANSION JOINT NOTES

1. All expansion joint steel, including anchors, shall be galvanized. Steel angles shall be ASTM A72 Grade 50. Minor steel plates may conform to ASTM A36. The entire assembly, including compression seal, shall be paid for as Item 520.245. Zinc anodes shall be paid for under Item 655.513.
2. Splices for steel angles shall develop full strength.
3. The compression seal shall be furnished in one continuous length. No splices will be allowed. Seal shall be installed in the field by the contractor, in accordance with the manufacturer of the seal, using an approved tool that will not damage the seal.
4. Joint support plates and curb plates shall be shop welded to expansion joint steel and shall be normal to grade after joint assembly has been adjusted for roadway cross-slope and grade. Steel angles shall be assembled with a constant joint opening to ensure proper performance and water tightness.
5. Immediately after the joint has been secured to the structural steel, remove shipping devices and grind smooth any welds on exposed surfaces. Repair any damage to galvanized surfaces in accordance with Section 506.16.
6. Protect top of expansion joint during placement of concrete and bituminous pavement.
7. The Contractor shall use a WA-162 seal by Watson Bowman or CV-1625 by D.S. Brown, as noted in the MaineDOT Qualified Products List.
8. No adjustments shall be made for setting temperature.
9. Prior to installing the seal, all temporary form work shall be removed. Steel angles and stop bars shall be maintained free from dirt, water and any other loose debris, with the use of compressed air, to ensure proper fit of the seal. Care shall be taken not to damage galvanized surfaces.
10. A temporary seal(s) shall be installed prior to the start of the winter maintenance period for all joint assemblies or portions thereof that will be in place throughout the winter. All temporary seals shall be removed and joint openings and substructure shall be cleaned prior to installing the final seal. All costs shall be subsidiary to Item 520.245.
11. Expansion joint elevations shall be set 2.625" above the adjacent deck. The expansion device shall be placed normal to grade.
12. Contractor shall locate field splices to match final phasing sequence selected.
13. Contractor shall provide continuous transverse reinforcement at the final condition through the use of laps of at least 2'-4" or mechanical splices. Contractor shall be responsible for determining bar details based on approved phasing sequence and splice method. Payments for splices will be incidental to reinforcing steel items.
14. For expansion dam details not shown, see MaineDOT Standard Details Section 520.

Compression Seal Expansion Joint Reinforcement Schedule (Per Joint)

Description	Size	No.	Length	Type
S502	#5	14	As Req'd	——
S503	#5	18	As Req'd	——
S555	#5	53	3'-9"±	⌐
S556	#5	53	4'-4"±	⌐

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STATE OF MAINE
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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	Leanne Timberlake	
DESIGN-DETAILED	L. Petix	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2	D. Myers	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
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FIELD CHANGES		

SIGNATURE

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

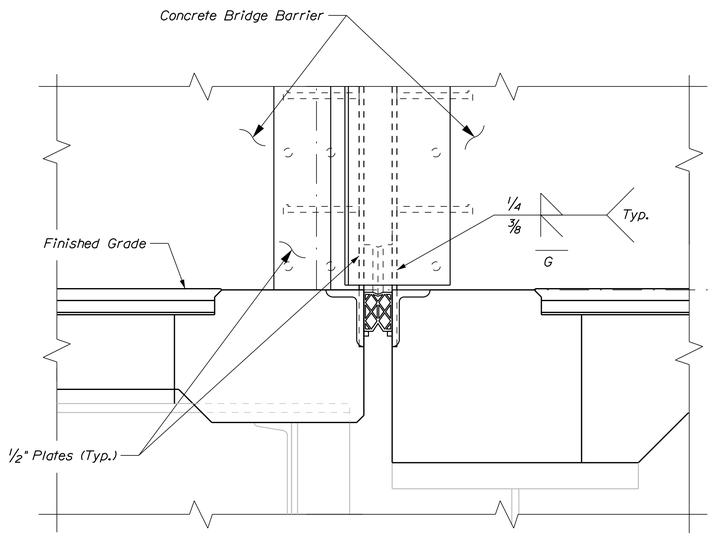
COMPRESSION SEAL EXPANSION JOINT 1

SHEET NUMBER

210

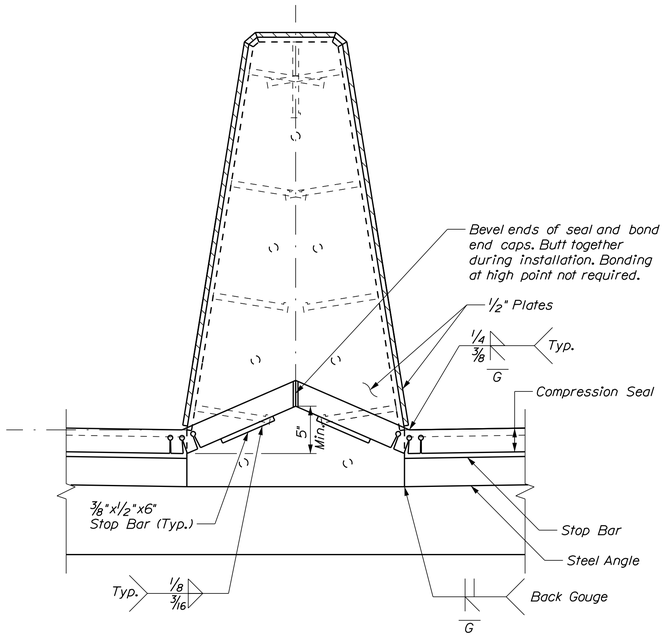
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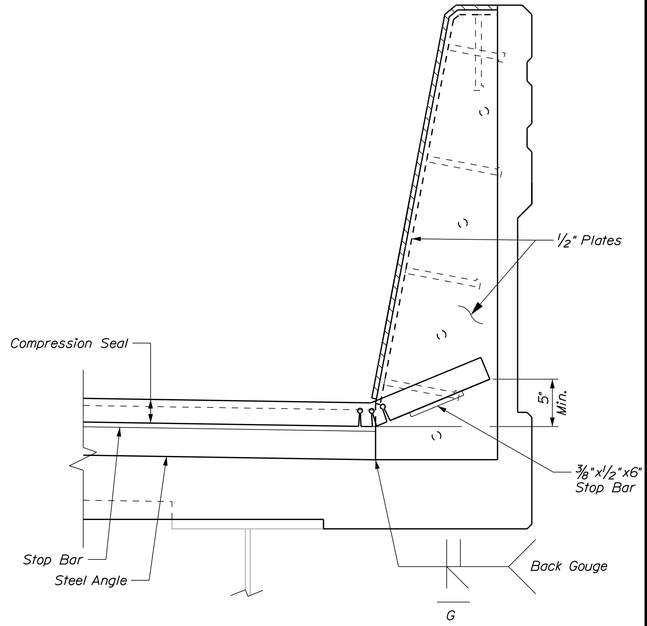
SECTION B-B

SCALE: 1 1/2" = 1'-0"



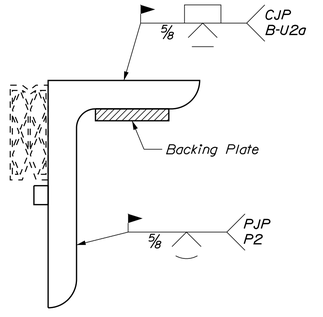
SECTION C-C

SCALE: 1 1/2" = 1'-0"



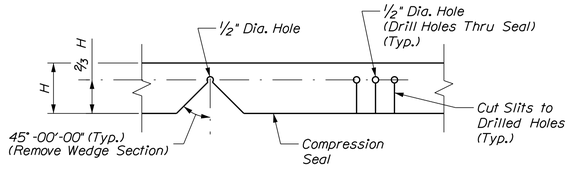
SECTION D-D

SCALE: 1 1/2" = 1'-0"



FIELD SPLICE WELD DETAIL

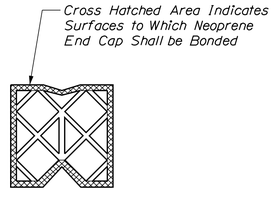
SCALE: 6" = 1'-0"



DOWN TURN CUT UP TURN CUT

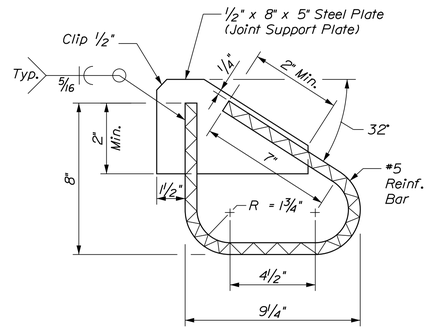
RELIEF CUT DETAILS

NOT TO SCALE



UNCOMPRESSED SEAL

NOT TO SCALE



ANCHOR DETAIL

SCALE: 3" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
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CHECKED-REVIEWED	D. Myers	9/18
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

COMPRESSION SEAL
EXPANSION JOINT 2

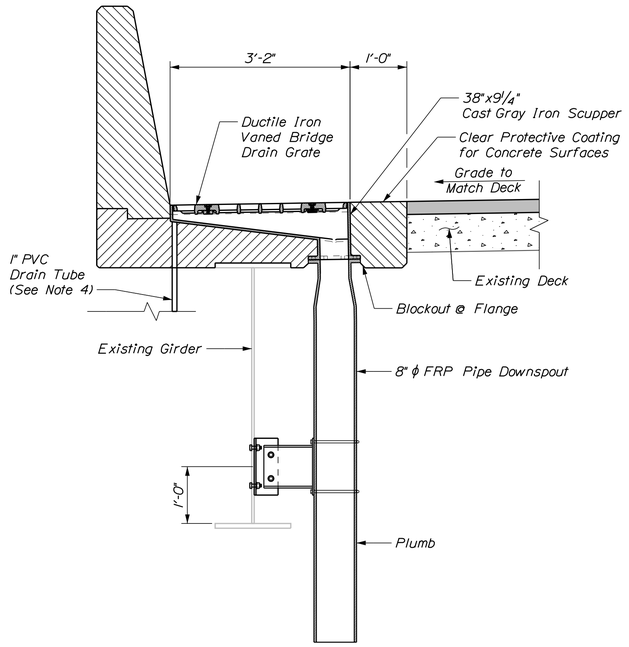
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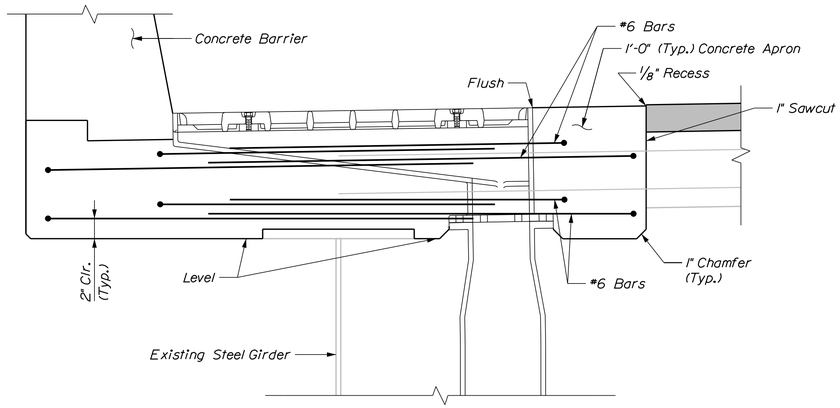
OF 230

T·Y·LIN INTERNATIONAL

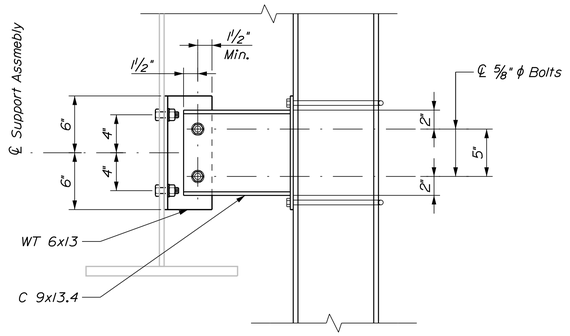
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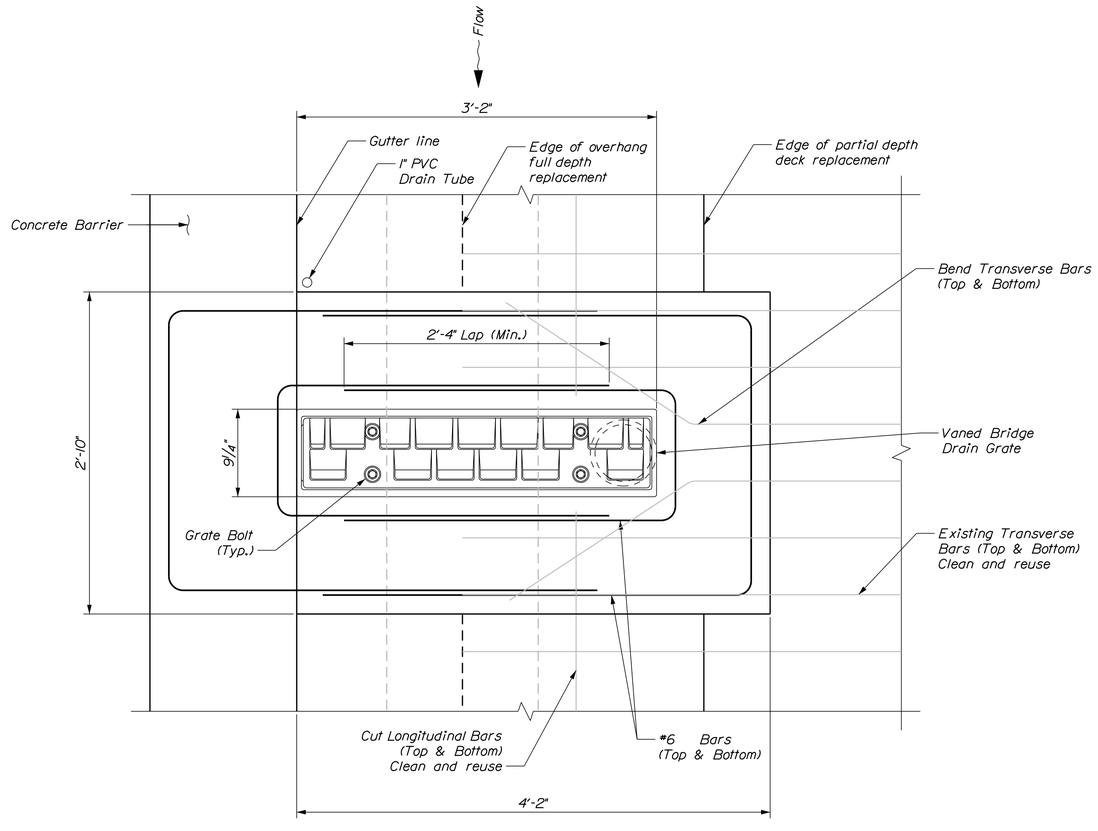
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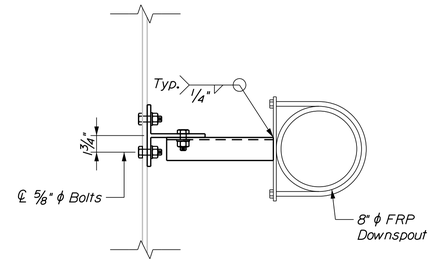
REINFORCEMENT SECTION



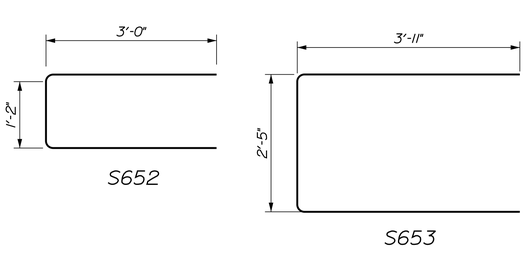
SUPPORT ASSEMBLY DETAIL



PLAN VIEW



SUPPORT ASSEMBLY - TOP VIEW



BRIDGE DRAIN REINFORCING SCHEDULE				
DESCRIPTION	SIZE	NO.	UNBENT LENGTH	TYPE
INT. LOOP BAR	#6	4/Drain	7' 2"	
EXT. LOOP BAR	#6	4/Drain	10' 3"	

NOTES:

1. Cut longitudinal reinforcing steel as necessary to place bridge drain. Clean and reuse existing steel where possible.
2. Payment for Bridge Drains will be as specified under Special Provision 502.
3. Payment for adjusting and for providing the additional reinforcing steel at bridge drains will be considered incidental to contract items.
4. The Contractor shall provide two (2) extra Ductile Iron Grates as spares. These shall be delivered to the NHDOT Bridge Maintenance Yard on Ranger Way in Portsmouth. Cost for the extra grates will be incidental to Item 502.705, "Composite Bridge Drain".
5. Install 1 - 1" ϕ PVC drain on high side of drain only. Set pipes to discharge away from girders and abutment (pier) seat. Provide breaks through membrane and seal. Attach drain pipes to bottom flange with clip and extend drains 6" minimum below bottom of structural steel. All costs incidental to Item 502.26, "Structural Concrete Roadway and Sidewalk Slab on Steel Bridges".
6. At bridge drains installed in locations where overhang is not being replaced, clean and reuse all existing reinforcement.
7. Materials:
   - Downspout ..... FRP (See Specifications)
   - Grate ..... Ductile Iron ASTM A536 Grade 80-55-06
   - Scupper ..... Cast Gray Iron ASTM A-48, Class 35B

STATE OF MAINE
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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

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CHECKED-REVIEWED	D. Myers	9/18
DESIGN2-DETAILED2	C. Taylor	
DESIGN3-DETAILED3	D. Myers	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

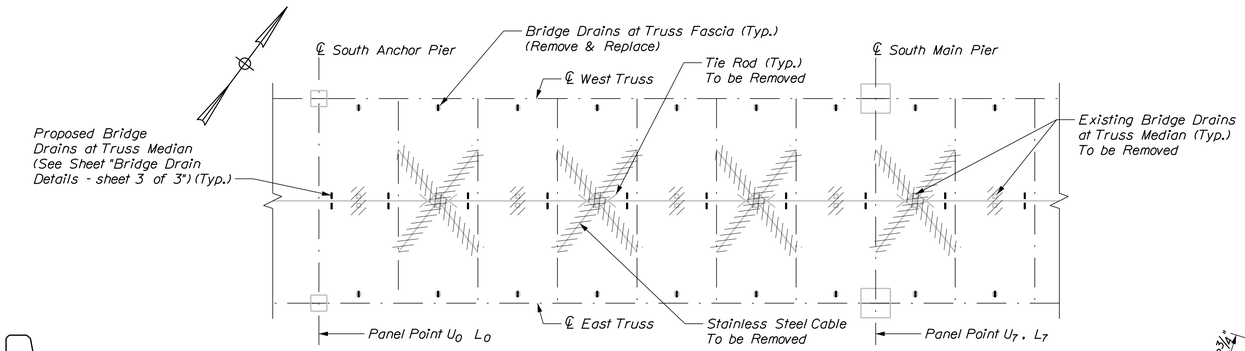
BRIDGE DRAIN DETAILS
SHEET 1 OF 3

SHEET NUMBER
212
OF 230

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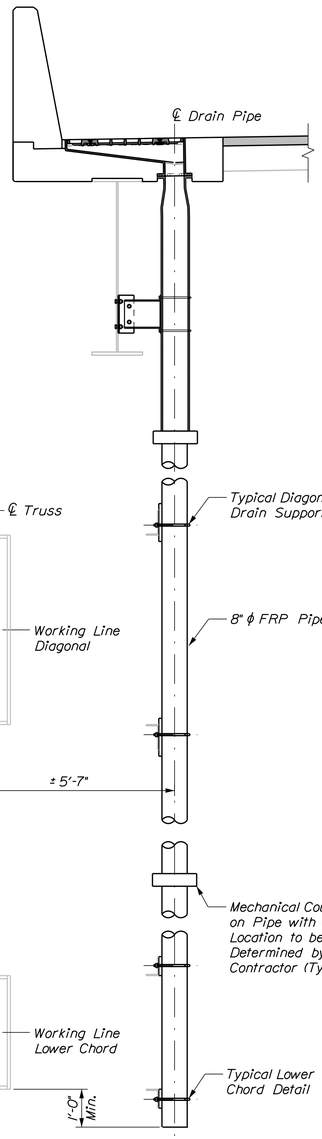
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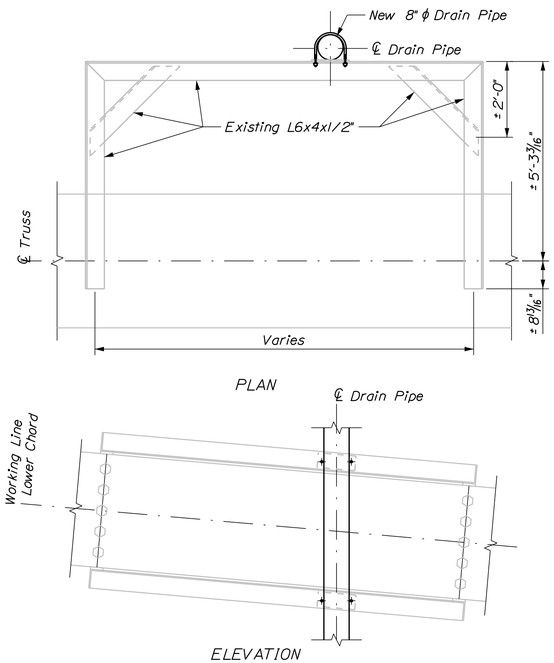
PLAN VIEW

South end of truss shown; North end of truss similar.

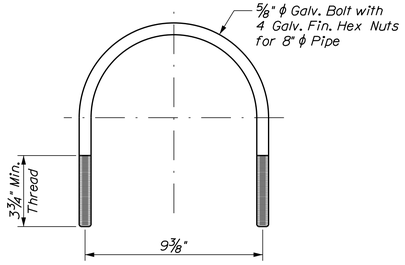


TYPICAL SECTION SCUPPER AT TRUSS FASCIA

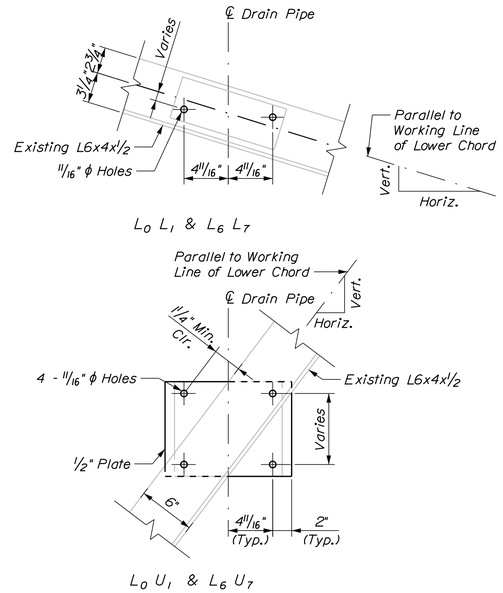
(Looking South)

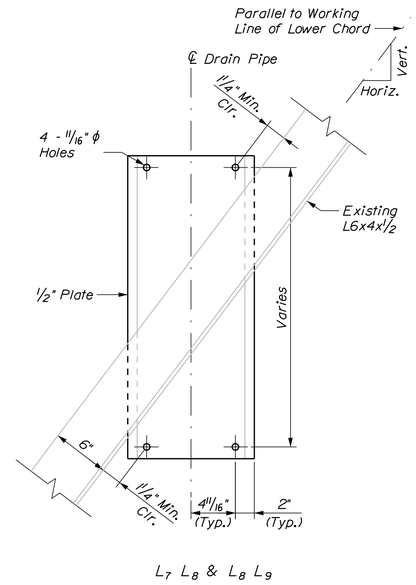


TYPICAL LOWER CHORD DRAIN SUPPORT



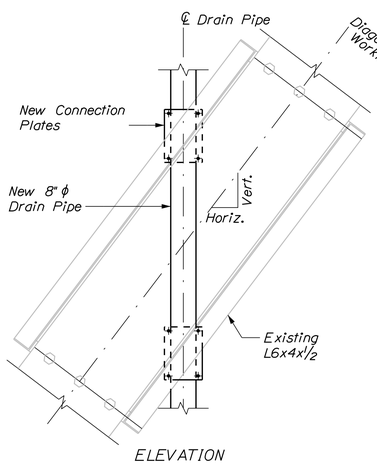
U-BOLT DETAIL



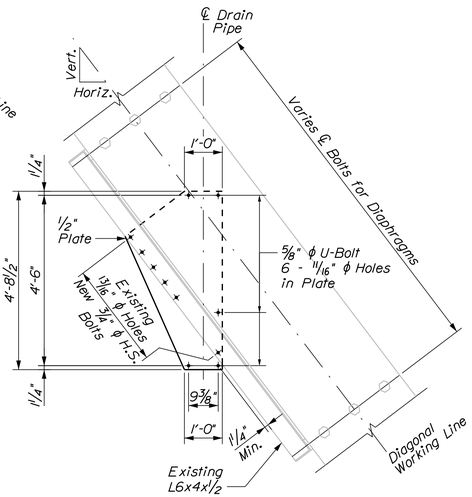


TYPICAL U-BOLT CONNECTIONS

NOTE: Bolt new 1/2" plates to existing plates and/or angles as appropriate for each connection. Use a minimum of 4 - 3/4" HS Bolts for each connection. These connections are not shown. All dimensions shall be field verified.



TYPICAL DIAGONAL DRAIN SUPPORT



DIAGONAL DRAIN SUPPORT AT U7 L8

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
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CHECKED-REVIEWED	C. Taylor	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

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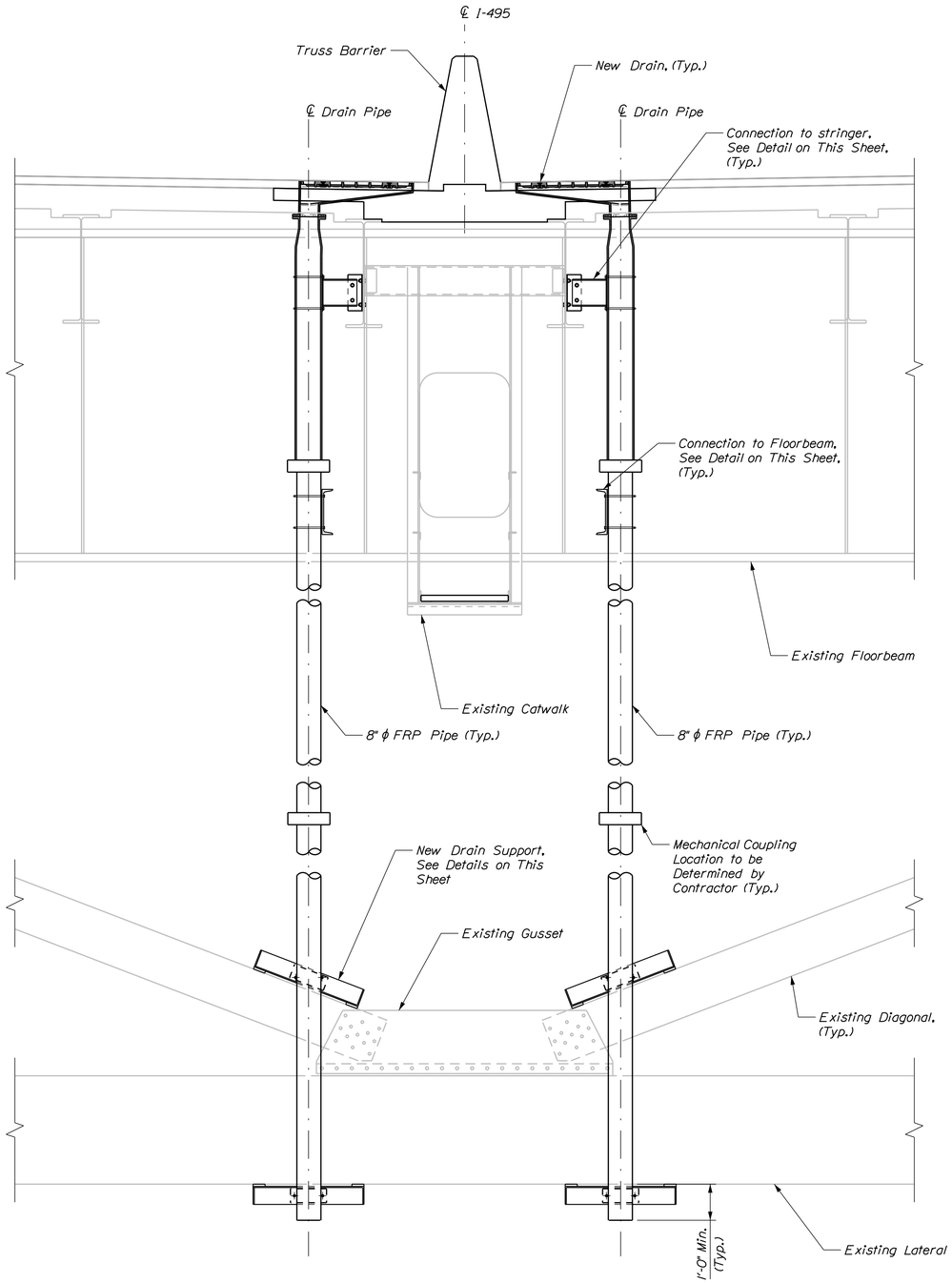
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BRIDGE DRAIN DETAILS
SHEET 2 OF 3

SHEET NUMBER

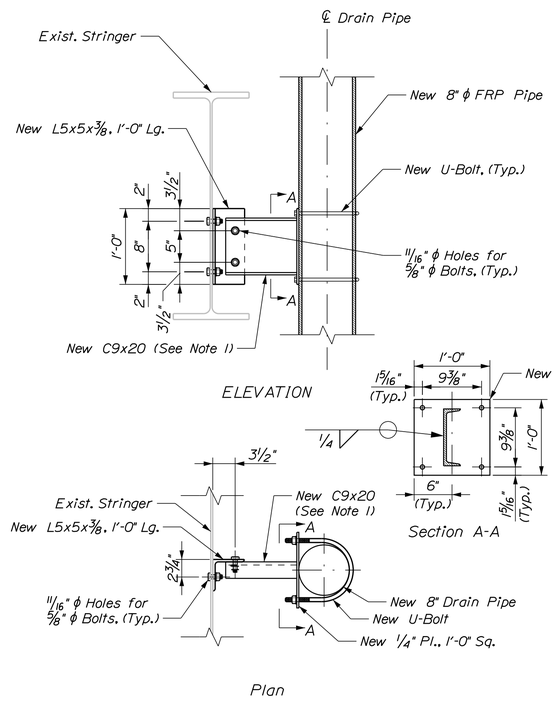
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OF 230

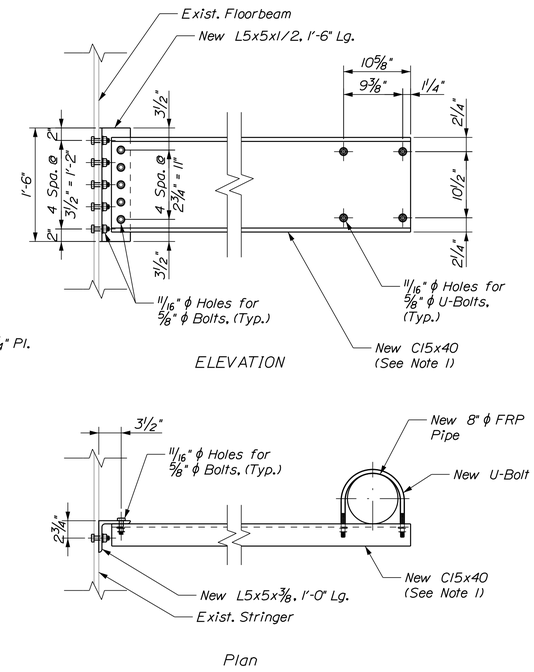


TYPICAL SECTION SCUPPER AT FLOORBEAM TRUSS MEDIAN

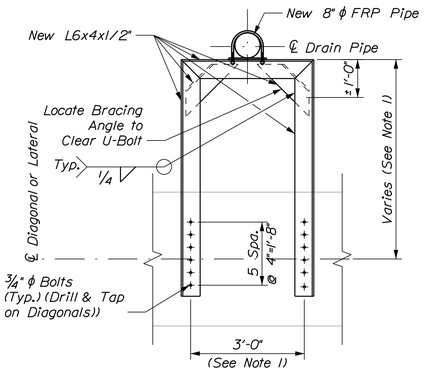
(Looking South)



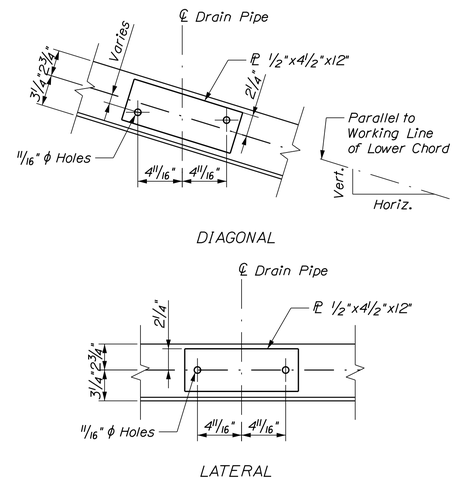
TYPICAL DRAIN SUPPORT
CONNECTION TO STRINGER



TYPICAL DRAIN SUPPORT
CONNECTION TO FLOORBEAM



TYPICAL DIAGONAL & LATERAL DRAIN SUPPORT



TYPICAL U-BOLT CONNECTIONS

NOTES:

1. Field verify location of existing steel members to be attached to and adjust dimensions accordingly.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	D. Myers	L. Petix	9/18
CHECKED-REVIEWED	D. Myers	D. Myers	9/18
DESIGN2-DETAILED2	C. Taylor		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

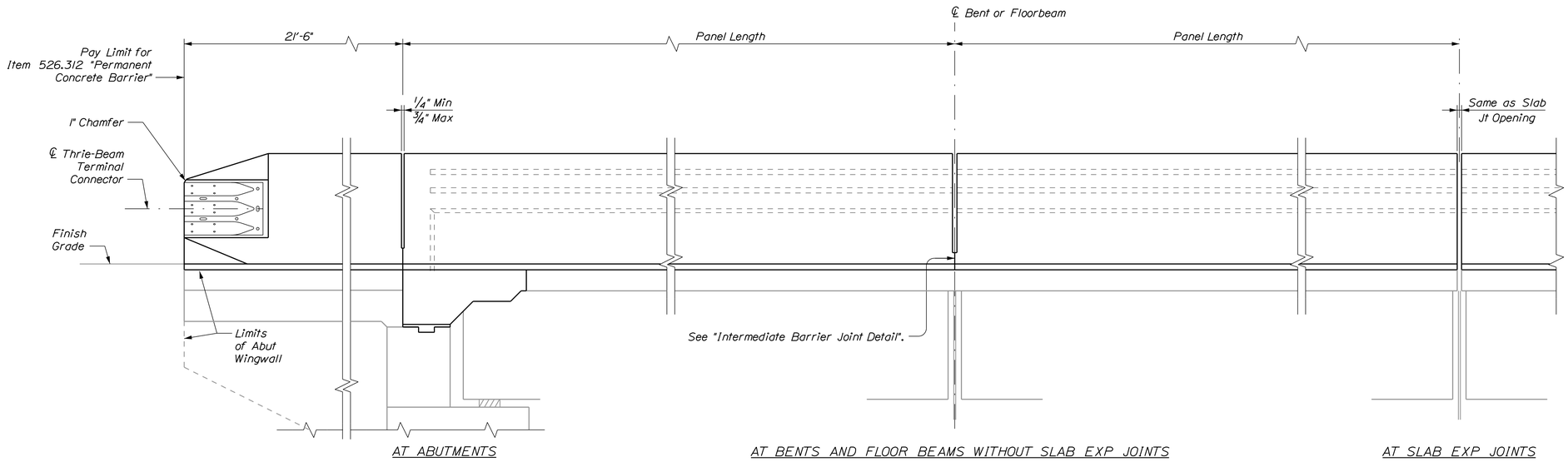
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

BRIDGE DRAIN DETAILS
SHEET 3 OF 3

SHEET NUMBER
214
OF 230

T-Y LIN INTERNATIONAL

Filename: ...\xxx_Bridge_Drains_Ext_Details_02.dgn Division: HIGHWAY Username: Date:11/7/2018

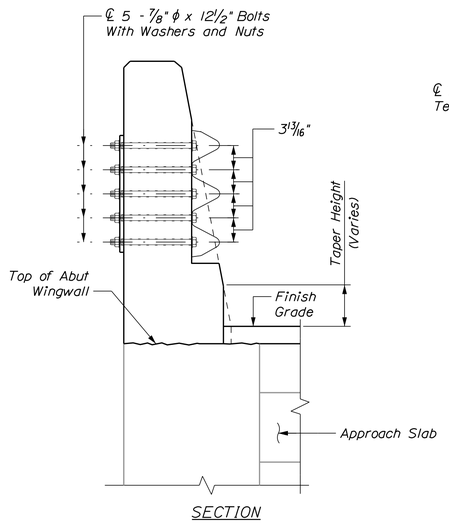


ROADWAY ELEVATION OF RAIL

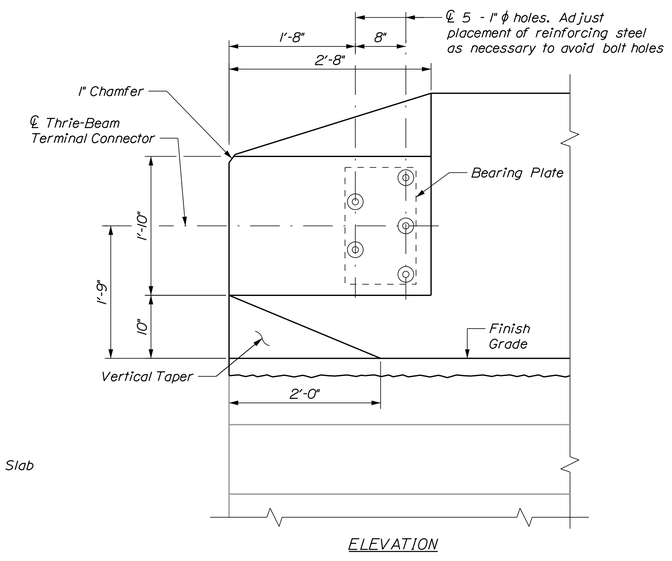
SCALE: 1/2" = 1'-0"

NOTE:

See Sheet "Permanent Concrete Barrier Details - 5" For Barrier Notes.



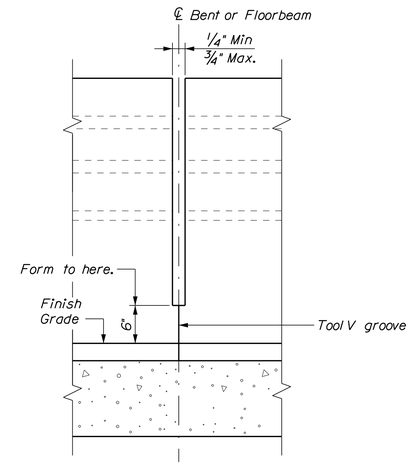
SECTION



ELEVATION

TERMINAL CONNECTION DETAILS

SCALE: 1" = 1'-0"



INTERMEDIATE BARRIER JOINT DETAIL

Provide at bents and floor beams without slab expansion joints.

SCALE: 1" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	C. Taylor	9/18
CHECKED-REVIEWED	B. Toothaker	9/18
DESIGN2-DETAILED2	C. Taylor	
DESIGN3-DETAILED3	B. Toothaker	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PERMANENT CONCRETE BARRIER DETAILS - 1

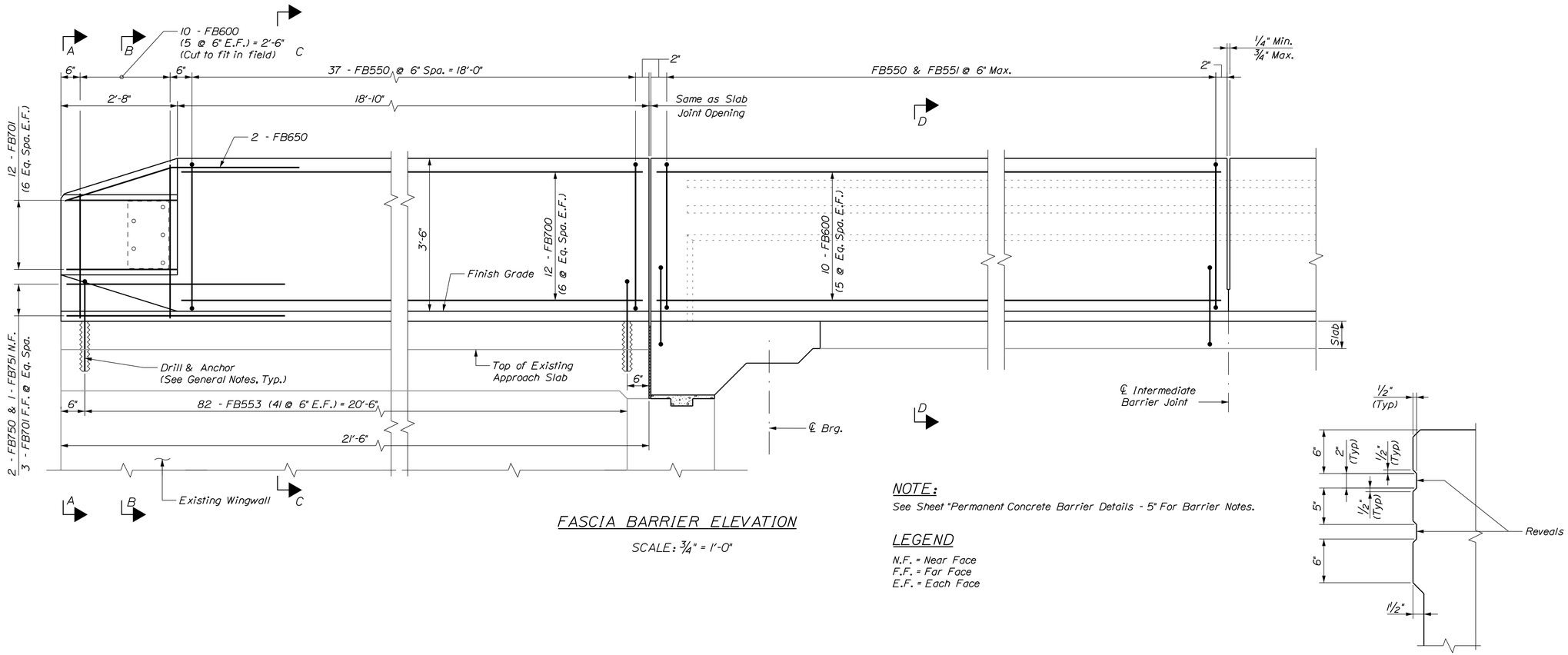
SHEET NUMBER

215

OF 230

TY LIN INTERNATIONAL

Filename: ...\xxx_Permanent_Barrier_Details_01.dgn Division: HIGHWAY Username: Date:11/7/2018



FASCIA BARRIER ELEVATION

SCALE: 3/4" = 1'-0"

NOTE:

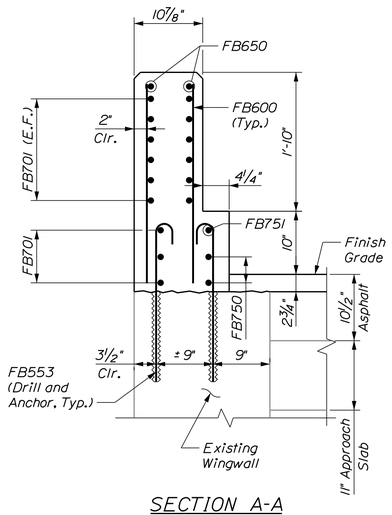
See Sheet "Permanent Concrete Barrier Details - 5" For Barrier Notes.

LEGEND

N.F. = Near Face
F.F. = Far Face
E.F. = Each Face

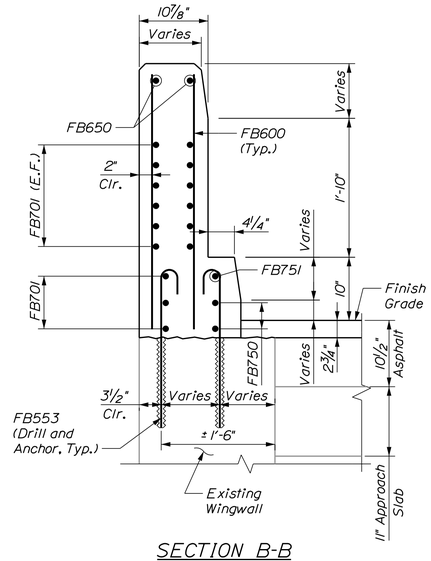
TYPICAL REVEAL DETAIL

SCALE: 1 1/2" = 1'-0"



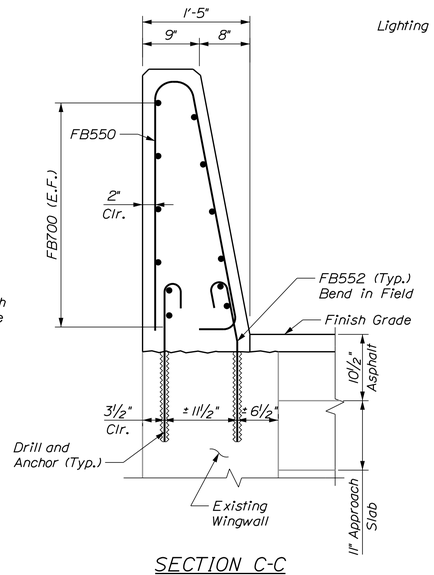
SECTION A-A

SCALE: 1" = 1'-0"



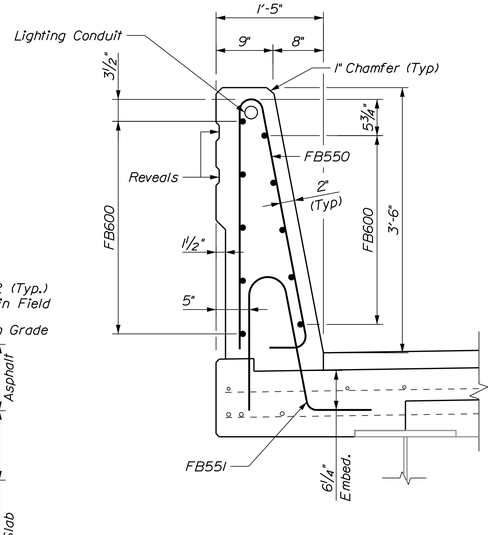
SECTION B-B

SCALE: 1" = 1'-0"



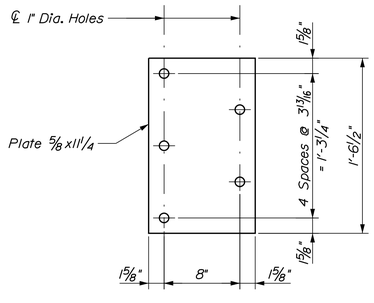
SECTION C-C

SCALE: 1" = 1'-0"



SECTION D-D

SCALE: 1" = 1'-0"



BEARING PLATE DETAIL

SCALE: 1 1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	L. Petix	09/18
CHECKED-REVIEWED	C. Taylor	09/18
DESIGN2-DETAILED2	B. Toothaker	
DESIGN3-DETAILED3	C. Taylor	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PERMANENT CONCRETE BARRIER DETAILS - 2

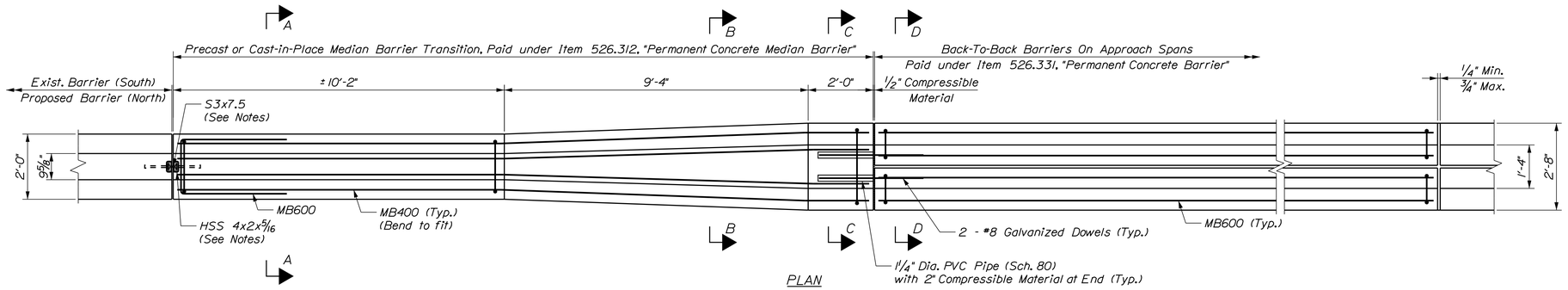
SHEET NUMBER

216

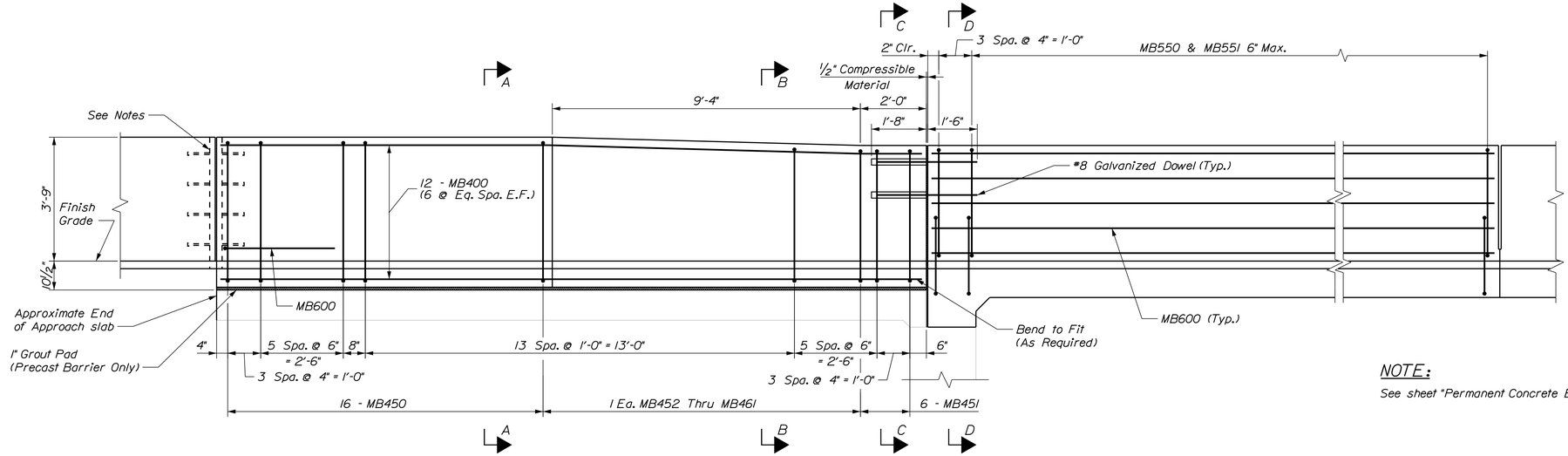
OF 230

T-Y LIN INTERNATIONAL

Filename: ...\xxx_Permanent_Barrier_Details_02.dgn Username: Date:11/7/2018 Division: HIGHWAY



PLAN



ELEVATION

NOTE:

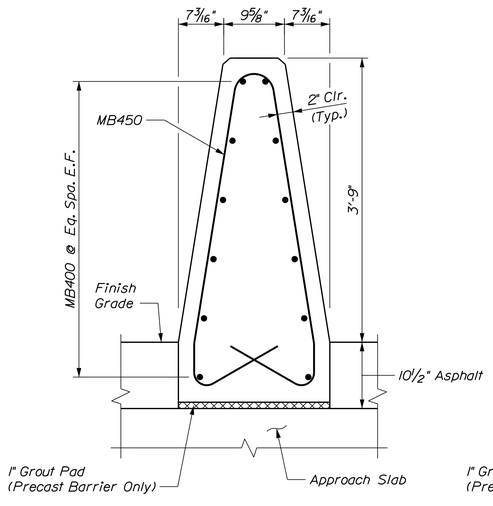
See sheet "Permanent Concrete Barrier Details - 5" for Barrier Notes.

PRECAST OR CAST - IN - PLACE MEDIAN BARRIER TRANSITION

SCALE: 1/2" = 1'-0"

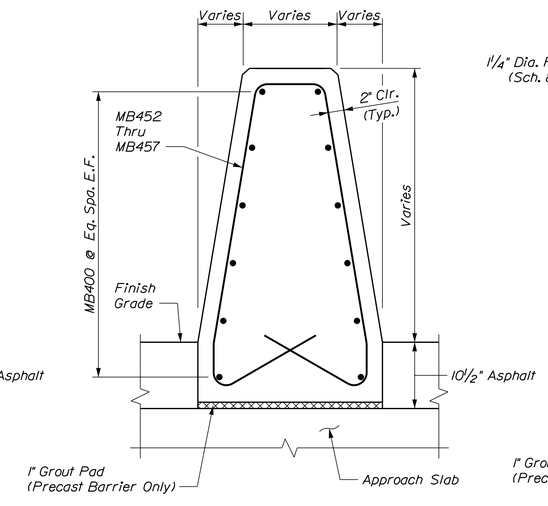
BACK-TO-BACK BARRIERS ON APPROACH SPANS

SCALE: 1/2" = 1'-0"



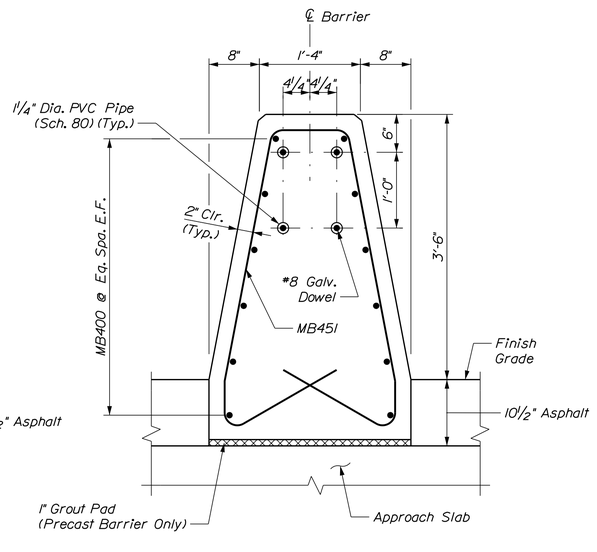
SECTION A-A

SCALE: 1" = 1'-0"



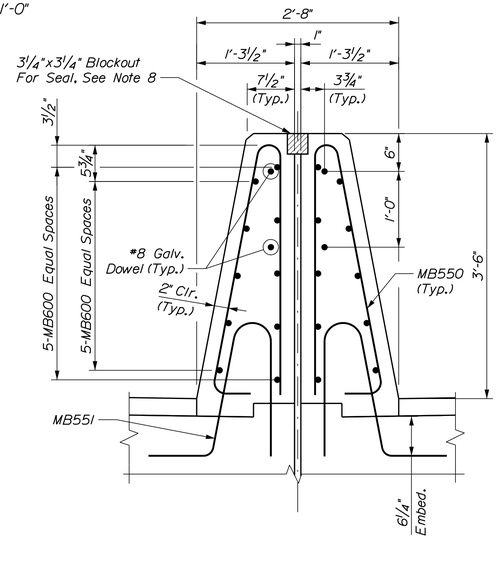
SECTION B-B

SCALE: 1" = 1'-0"



SECTION C-C

SCALE: 1" = 1'-0"



SECTION D-D

SCALE: 1" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER: Leanne Timberlake		
DESIGN-DETAILED: C. Taylor	L. Pelix	9/19
CHECKED-REVIEWED: B. Toothaker	C. Taylor	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PERMANENT CONCRETE BARRIER DETAILS - 3

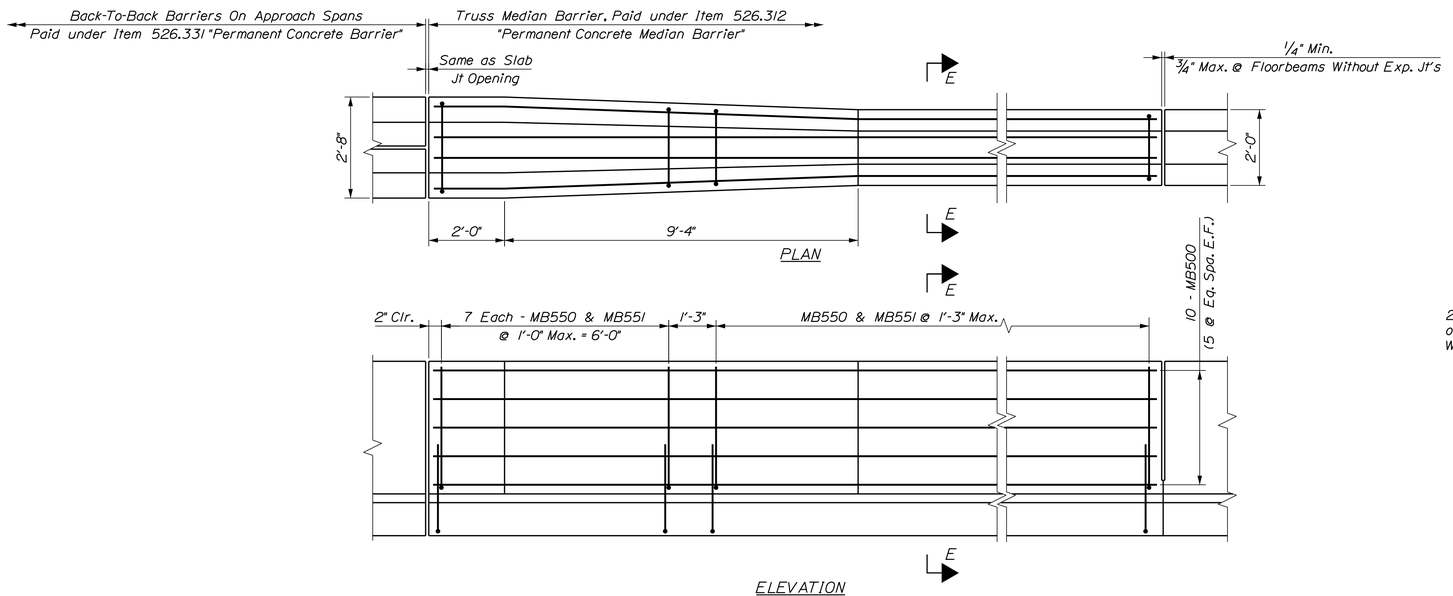
SHEET NUMBER

217

OF 230

T·Y·LIN INTERNATIONAL

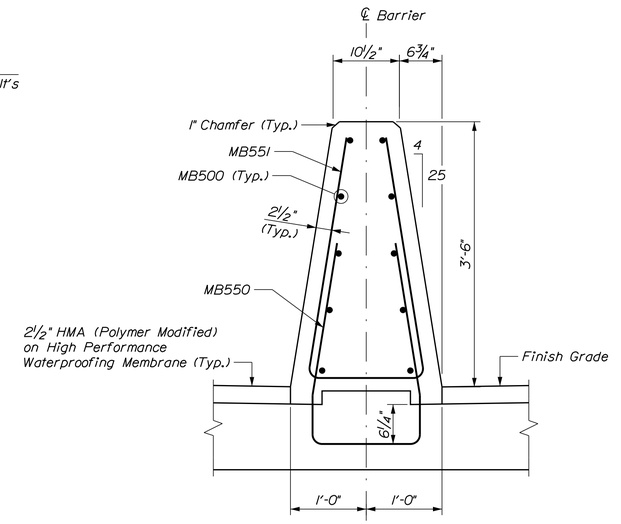
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ELEVATION

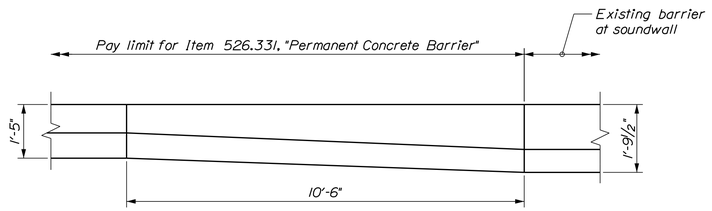
TRUSS MEDIAN BARRIER

SCALE: 1/2" = 1'-0"

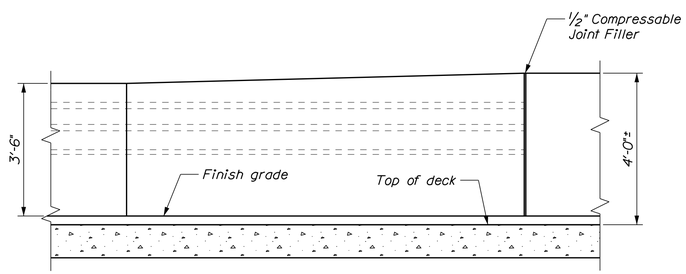


SECTION E-E

SCALE: 1" = 1'-0"



PLAN



ELEVATION

TRANSITION TO BARRIER AT SOUNDWALL

SCALE: 1/2" = 1'-0"

NOTE:

See Sheet "Permanent Concrete Barrier Details - 5" For Barrier Notes.

LEGEND

N.F. = Near Face
F.F. = Far Face
E.F. = Each Face

T.Y.LIN INTERNATIONAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

		DATE
PROJ. MANAGER	Leanne Timberlake	
DESIGN-DETAILED	C. Taylor	BY
CHECKED-REVIEWED	B. Toothaker	L. Petix 9/18
DESIGN2-DETAILED2		C. Taylor 9/18
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

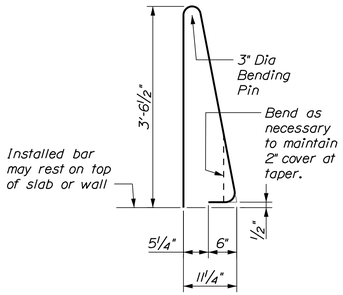
PERMANENT CONCRETE BARRIER DETAILS - 4

SHEET NUMBER

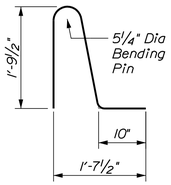
218

OF 230

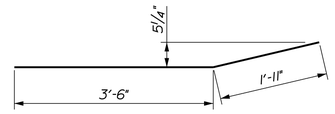
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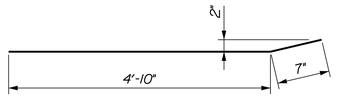
FB550



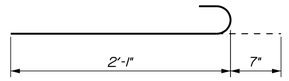
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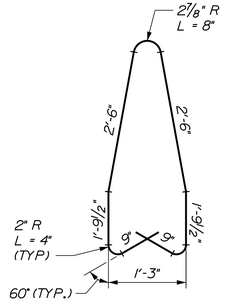
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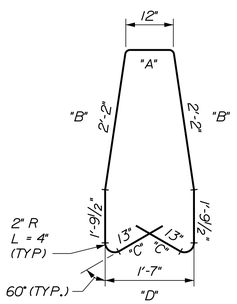
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FB553



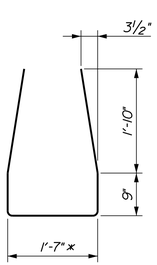
MB450



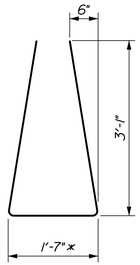
MB451

MB452 thru MB461:
(1 Each Transition)

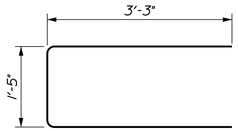
Vary dimensions "A" thru "D".



MB550

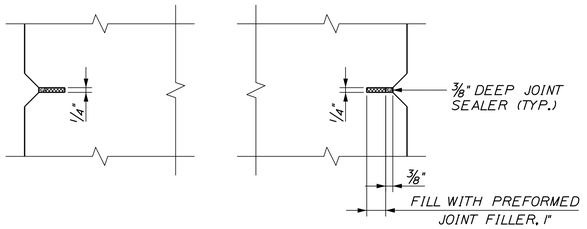


MB551

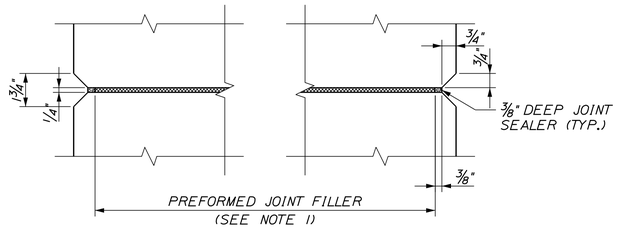


MB600

* Increase Dimension in end tapers.



CRACK CONTROL JOINT DETAIL
3" = 1'-0"
(Space at 30' max.)



EXPANSION / INTERMEDIATE JOINT DETAIL
3" = 1'-0"

NOTES:

1. All work and materials shall conform to the provisions of Standard Specifications Section 526 - Concrete Barrier.
2. The first digit following the letters of the mark indicates the size of the reinforcing bar. (FA600 = #6 bar.) All dimensions are out - to - out of bar.
3. Minimum lap splice length is 2'-9" for FB600 and 2'-4" for MB500.
4. Bolt holes in concrete shall be formed by a method approved by the Resident.
5. Payment for anchor bolts, bearing plates and associated hardware will be considered incidental to the concrete barrier pay item.
6. After installation of the guardrail is complete, upset the threads on the anchor bolts in 3 places around each bolt, at the junction of the nut and the exposed thread, with a center punch or similar tool.
7. At deck expansion joints, provide expansion dams at face of concrete parapets. Top plate shall extend to within 2" of the back of single faced barriers and to the mid point of double faced barriers. See MaineDOT Standard Detail Sections 520 & 521. Payment will be incidental to the related Barrier Items.
8. Longitudinal median barrier seal shall be Emseal BEJS or Wabo FS.
9. Payment for Drilling & Anchoring of reinforcing steel is incidental to item 526.331, "Permanent Concrete Barrier".
10. For removal details, see sheet "Abutment Removal Limits"
11. Adjust length of median barrier transition as directed by Resident to allow tie in to existing median barrier at New Hampshire approach.
12. See sheet "Roadway Median Barrier" for additional details on HSS 4x2x5/16 and S3x7.5. Payment for S3x7.5 is incidental to Item 526.50 "Precast Median Barrier, Modified".
13. Grout pad shall be constructed of non-sag cementitious grout from the MaineDOT Qualified Product List.
14. All median and fascia barrier shall be coated with a protective coating. Paid under Item 515.20 "Protective Coating for Concrete Structures". See sheet "Deck Replacement Details" for limits.
15. Light supports shown on deck plan sheets shall be incidental to Pay Item 526.331, "Permanent Concrete Barrier". See sheets "Light Support - Type 1 Details" and "Light Support - Type 2 Details" for construction details.

MATERIALS:

Concrete	Class "LP"
Reinforcing Steel	AASHTO M 31M/M 31, Grade 60
Bearing Plate	AASHTO M 270M/M 270, Grade 36 (Galvanized)
Bolts	AASHTO M 314, Grade 105 (Galvanized) (Unless Noted Otherwise)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	L. Petix	9/18
CHECKED-REVIEWED	C. Taylor	9/18
DESIGN2-DETAILED2	B. Tootheker	C. Taylor
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

PERMANENT CONCRETE BARRIER DETAILS - 5

SHEET NUMBER

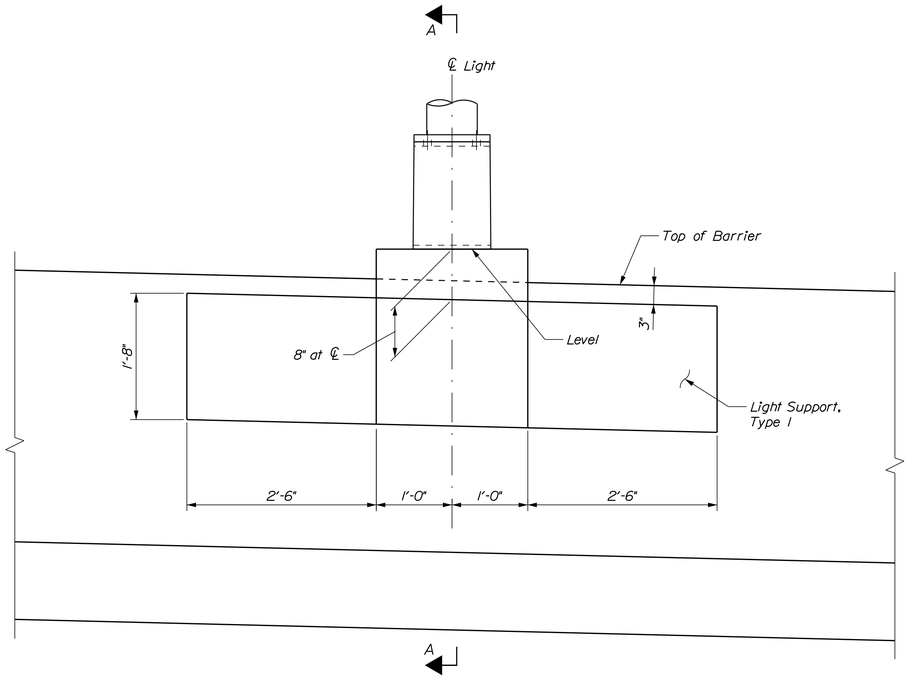
219

OF 230

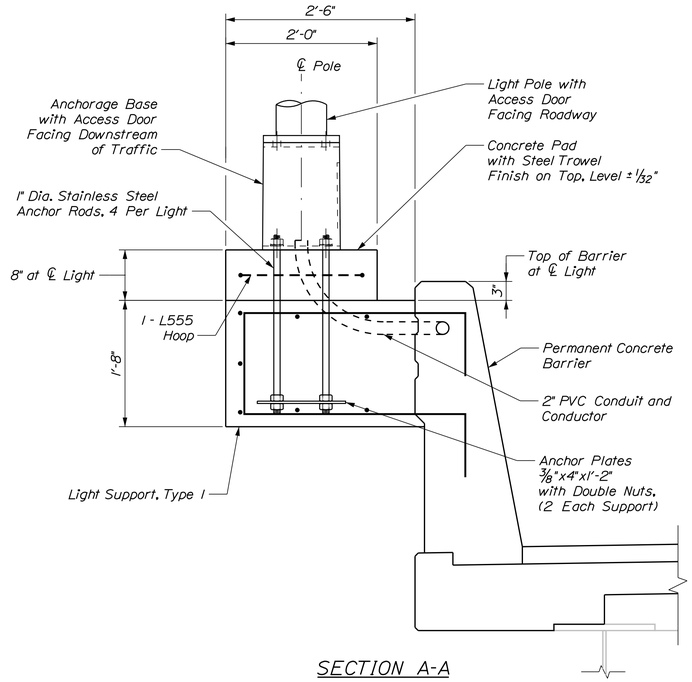
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Filename: ...\xxx_Permanent_Barrier_Details_05.dgn Division: HIGHWAY Username: Date:11/7/2018

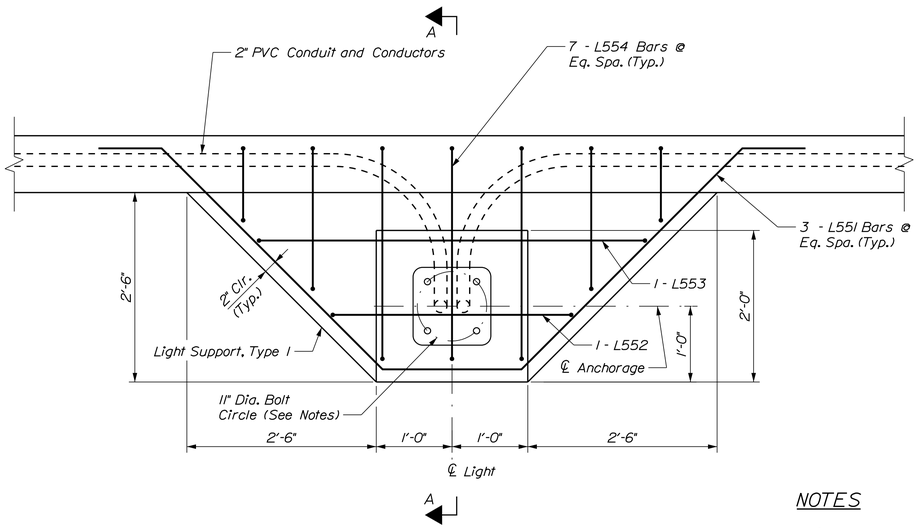
Filename: ...\xxx_Light_Support_Details.dgn Division: HIGHWAY Username: Date:11/7/2018



ELEVATION



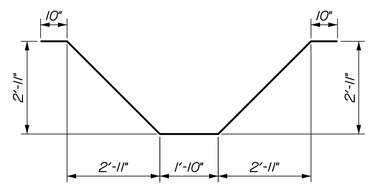
SECTION A-A



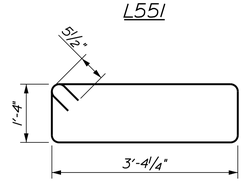
PLAN

NOTES

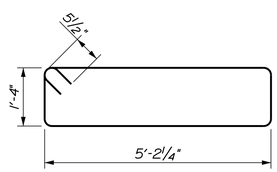
1. Contractor must coordinate anchor bolt locations with approved pole/base shop drawings.
2. For light support locations, see deck plan sheets.
3. For details not shown, see lighting sheets.
4. All conduit, conductors, anchorages and associated hardware, bases, light poles, luminaires and arms, and all associated work shall be paid under item 634.161 "Bridge and Highway Lighting, Including Wire".
5. For additional notes and details not shown, see Permanent Concrete Barrier Sheets 1 - 5.
6. Stainless steel anchor rods shall be ASTM F593 and have a minimum yield strength of 45ksi.



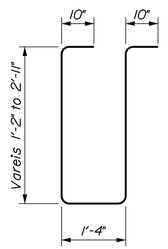
L551



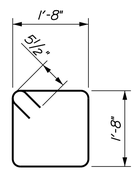
L552



L553



L554



L555

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	B. Toothaker	B. Toothaker	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

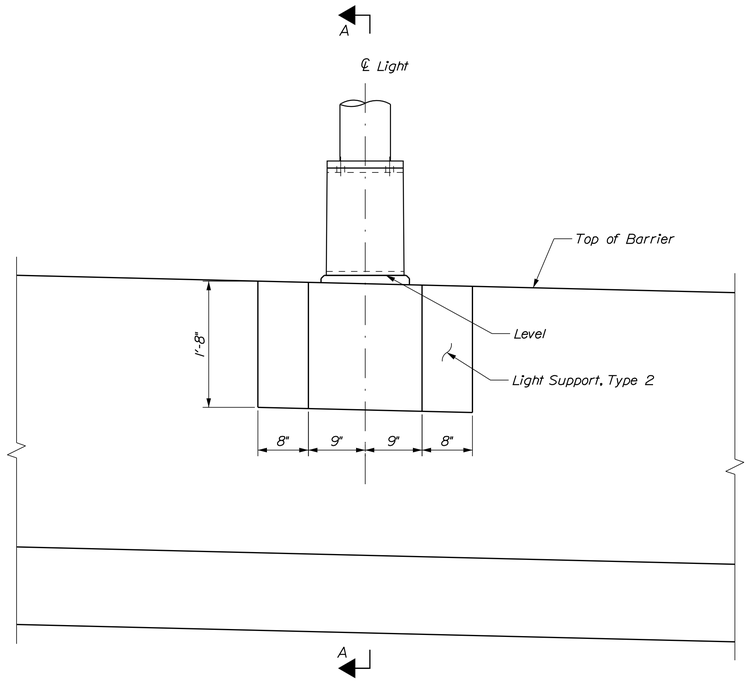
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

LIGHT SUPPORT - TYPE 1 DETAILS

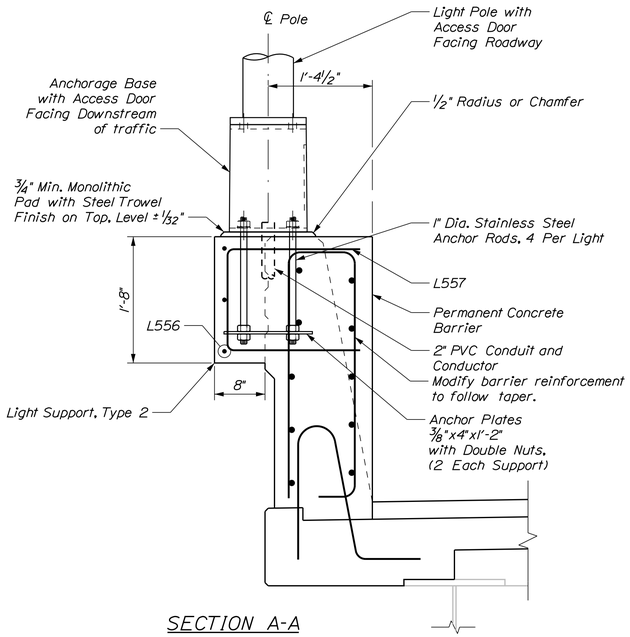
SHEET NUMBER

220

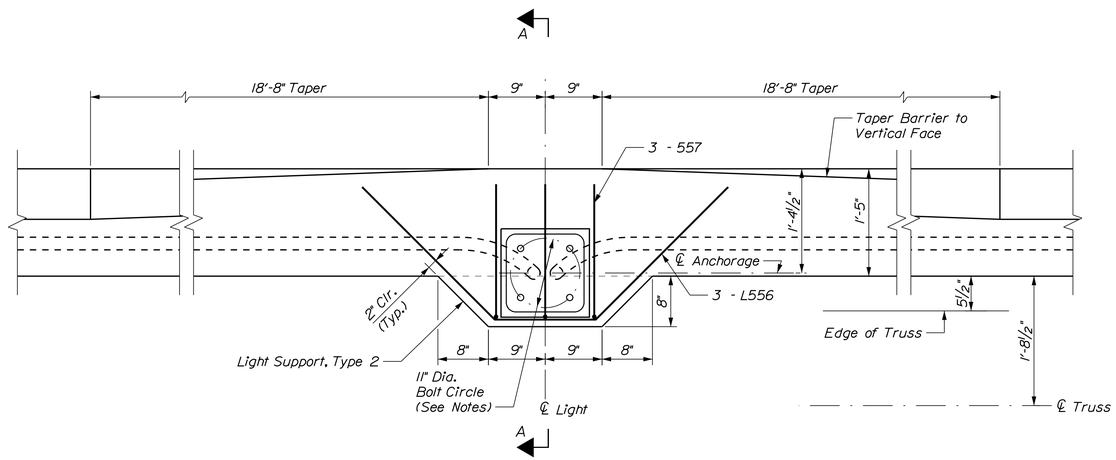
OF 230



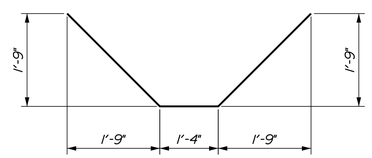
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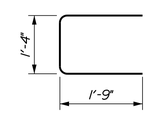
SECTION A-A



PLAN



L556



L557

NOTE:

1. For light support notes, see sheet "Lighting Support - Type 1 Details".

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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake	BY	DATE
DESIGN-DETAILED	C. Taylor	P. White	9/18
CHECKED-REVIEWED	B. Toothaker	B. Toothaker	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

LIGHT SUPPORT - TYPE 2 DETAILS

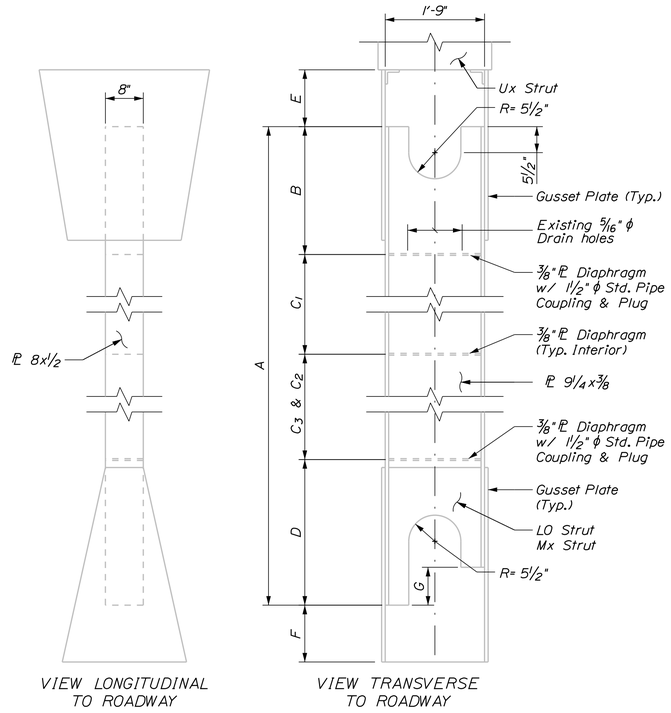
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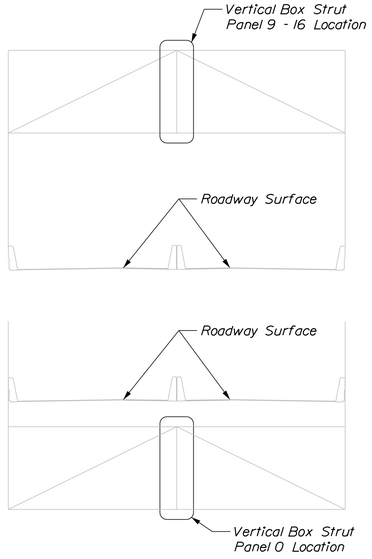
OF 230

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Filename: ...\MSTA\xxx_Vert_Box_Strut_01.dgn Username: Division: HIGHWAY Date:11/7/2018



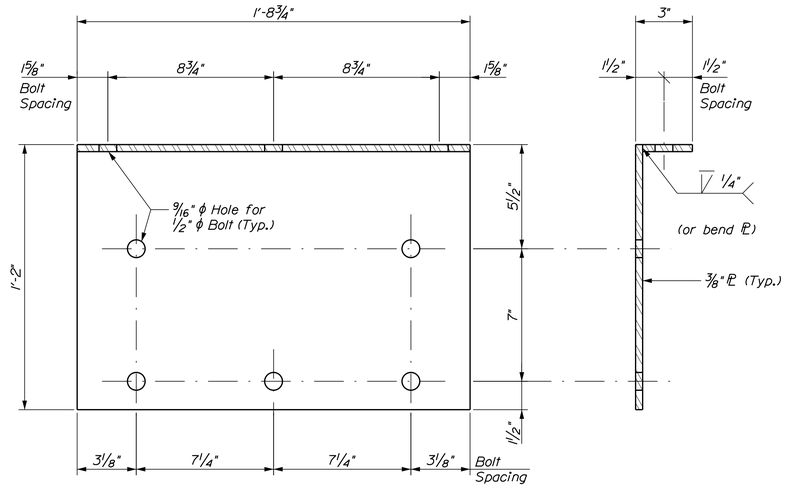
EXISTING VERTICAL BOX STRUTS



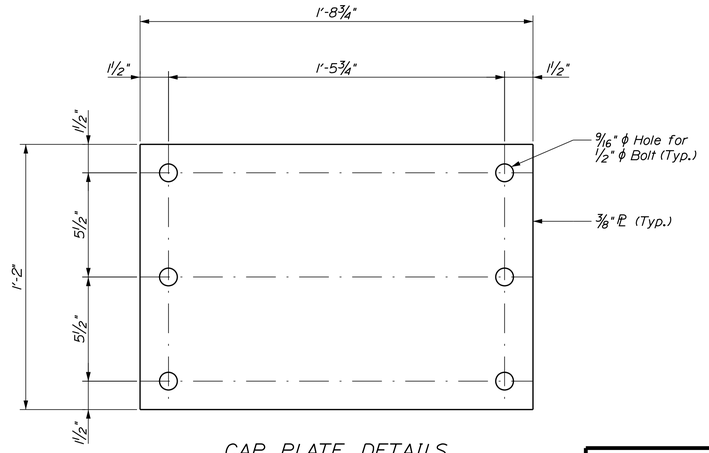
KEYPLAN

VERTICAL BOX STRUT DIMENSION TABLE

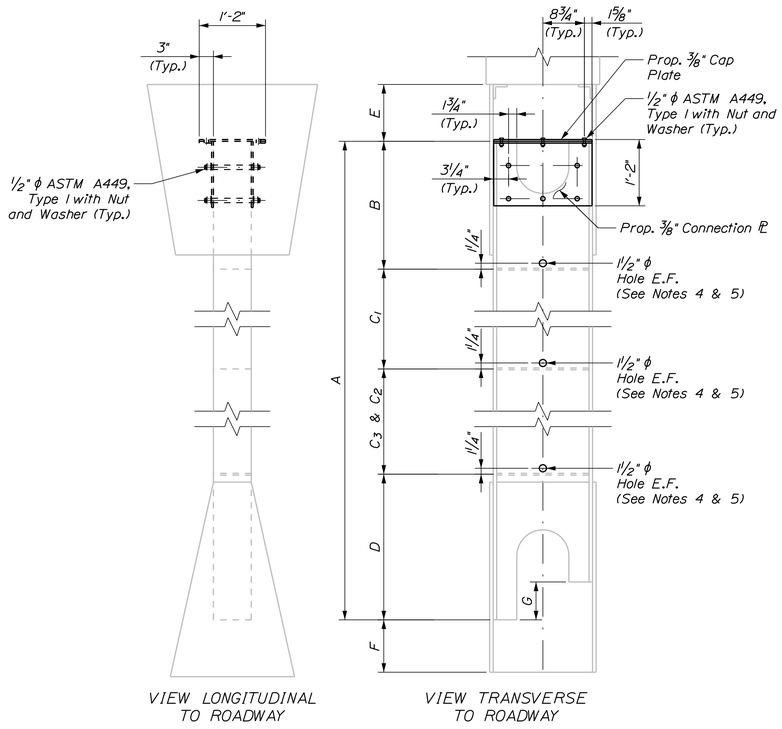
PANEL POINT	A	B	C1	C2	C3	D	E	F	G
0 & 0'	18'- 1¼"	1'-5¾"	7'-8½"	7'-8½"	0'-0"	1'-2½"	0'-5"	0'-5"	0'-0"
9 & 9'	18'-4¹¹/₁₆"	1'-11¾"	7'-3¹¹/₁₆"	7'-3⅝"	0'-0"	1'-10¼"	0'-6¹/₁₆"	0'-1½"	0'-0"
10 & 10'	32'-10½"	1'-11¾"	9'-8"	9'-8'	9'-8'	1'-10¾"	0'-4⅝"	0'-4"	0'-0"
11 & 11'	34'-9½"	2'-0"	9'-10½"	9'-10½"	9'-10½"	3'-2"	0'-4¼"	0'-3¹⁵/₁₆"	1'-3⅛"
12 & 12'	30'-4"	2'-0¹/₁₆"	8'-5¹³/₁₆"	8'-5¹¹/₁₆"	8'-5¹⁵/₁₆"	2'-10⅜'	0'-3½"	0'-4⅜"	1'-0"
13 & 13'	26'-10¼"	2'-0"	10'-11¾"	10'-11¾"	0'-0"	2'-10¾"	0'-3⅝"	0'-2¹³/₁₆"	1'-0⅞"
14 & 14'	24'-01/16"	1'-11³/₁₆"	9'-9¾"	9'-9¾"	0'-0"	2'-4¾"	0'-4"	0'-7¾"	0'-6"
15 & 15'	22'-8⅝"	1'-11⁹/₁₆"	9'-1'	9'-1'	0'-0"	2'-7¹/₁₆"	0'-6"	0'-3⅛"	0'-7½"
16	21'-10⅛"	2'-0"	8'-11½"	8'-11½"	0'-0"	1'-11¹¹/₁₆"	0'-5"	0'-9⅝"	0'-0"



CONNECTION PLATE DETAILS



CAP PLATE DETAILS



PROPOSED VERTICAL BOX STRUT CAPS

NOTES:

1. Contractor shall remove plugs from top and bottom diaphragms and clear debris from vertical box struts, as directed by the Resident, prior to affixing connection plate and cap plate. Payment shall not be made directly, and shall be considered incidental to related contract items. Plugs shall not be removed, if it is determined by the Resident that the existing diaphragms are still air tight.
2. Dimensions "E" and "F" are provided along the centerline of the vertical box strut.
3. Removed plugs in top and bottom diaphragms shall not be reinstalled after cleanout.
4. Drain/Cleanout holes located above the intermediate diaphragms shall only be installed on panel points 9 - 16 if determined by the Resident that the top and bottom diaphragms are no longer air tight. All vent holes shall receive a field-applied zinc-rich coating, payment shall be considered incidental to related contract items.
5. All steel caps and connection plates shall be ASTM A36, and shall be coated with a shop-applied zinc-rich coating system from NEPCOAT List A or B, top coat color shall be approved by the resident, and shall closely match the existing structure to remain. All materials and related work, including access, drilling holes, and field repairs to coating damaged by contractor, shall be incidental to Item 504.811, "Structural Steel Repair".

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED B. Toothaker	S. Morgan	9/18
CHECKED-REVIEWED D. Myers	B. Toothaker	9/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

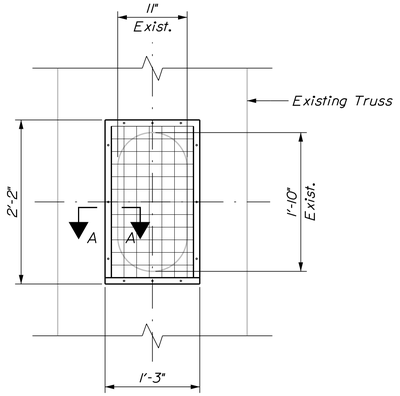
DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

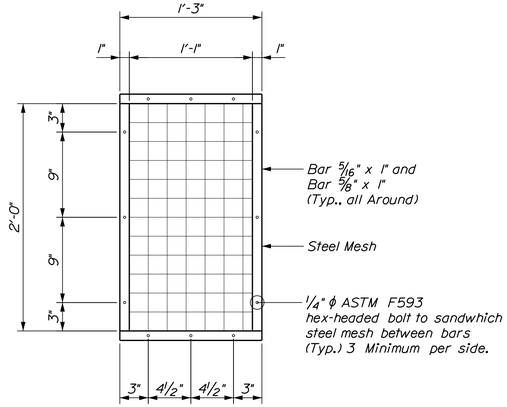
VERTICAL BOX STRUT REPAIR DETAILS

SHEET NUMBER
222
OF 230

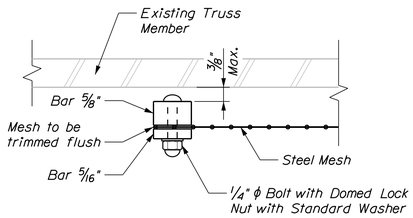
TYLIN INTERNATIONAL



TRUSS SCREEN PANEL - PLAN



SCREEN DETAIL



SECTION A-A

(Connection between screen panel and truss member not shown. See Note No. 4)

NOTES:

1. Truss Sceen Panels shall be furnished and installed on all holes in the truss within 20 feet above the deck level and 5 feet below the deck level. as shown on the Bridge Typical Sections sheet.
2. Screening shall be woven or welded steel mesh with a nomial 12 Gage wire diameter and 1/2" opening. Truss screen panel assemblies and fasteners shall be stainless steel.
3. Contractor is responsible for determining the method(s) for fastening screen panels to truss member. Screen panels shall be mechanically fastened to the truss member. no welding will be allowed. All holes required in truss members shall be a maximum of 1/2" ϕ and be drilled; burning or punching of holes will not be allowed. Attachement method(s) shall be approved by The Resident and all arch access point panels shall also be approved by NHDOT bridge maintenance division. Truss screen assemblies shall be removable.
4. Any unsealed fastener holes or damaged paint shall be touched up per Standard Specification Section 506.16.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

PROJ. MANAGER	Leanne Timberlake		BY
DESIGN-DETAILED	R. Kravchuk		S. Morgan
CHECKED-REVIEWED	D. Myers		R. Kravchuk
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

TRUSS SCREEN PANEL DETAILS

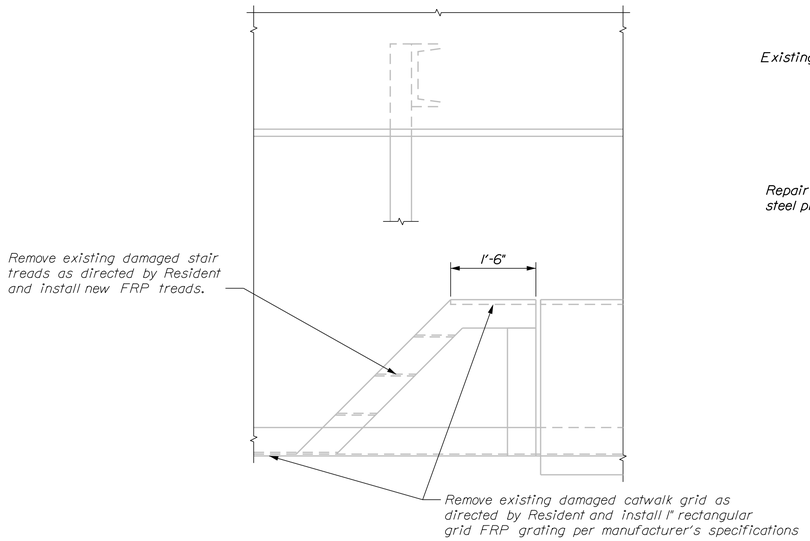
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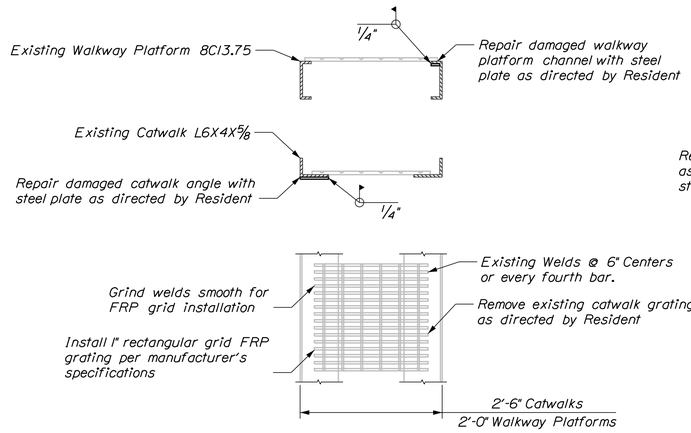
OF 230

TYLIN INTERNATIONAL

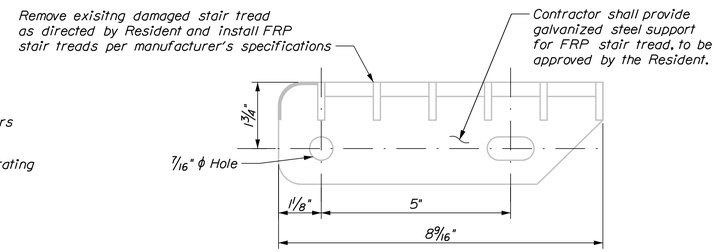
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TYPICAL CATWALK PANEL SECTION AT FLOORBEAM



GRATING FASTENING DETAILS



TYPICAL EXISTING STAIR TREAD

NOTES:

1. FRP stair treads and support brackets shall be installed to maintain existing tread heights.
2. FRP rectangular grid shall match the profile of the surrounding retained steel grid.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake	S. Morgan	9/18
DESIGN-DETAILED B. Toothaker	B. Toothaker	9/18
CHECKED-REVIEWED C. Taylor		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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FIELD CHANGES		

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

CATWALK REPAIR DETAILS

SHEET NUMBER
224
OF 230

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Filename: ...\xxx_Catwalk_Details_01.dgn Division: HIGHWAY Username: Date:11/7/2018

Filename: ...\xxx_Deck_Reinforcing_Schedule.dgn Division: HIGHWAY Username: Date:11/7/2018

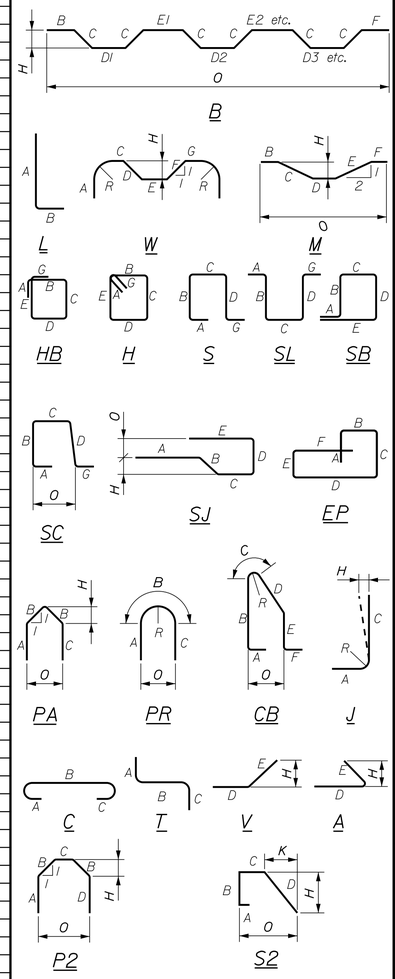
STRAIGHT BARS

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION
			Superstructure				
S400	14453	4'-8"	TRANS. SUPERSTRUCTURE SLAB				
S401	12513	5'-0"	TRANS. SUPERSTRUCTURE SLAB				
S500	4456	40'-0"	LONG. SUPERSTRUCTURE SLAB				
S600	2678	9'-11"	TRANS. SUPERSTRUCTURE SLAB				

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	K	O/R	LOCATION
						Superstructure								
S550	14453	2'-9"	C	7"	2'-2"	-	-	-	-	-	-	-	-	SUPERSTRUCTURE SLAB
S551	12513	3'-0"	C	7"	2'-5"	-	-	-	-	-	-	-	-	SUPERSTRUCTURE SLAB
S552	2678	6'-5"	C	7"	5'-3"	7"	-	-	-	-	-	-	-	SUPERSTRUCTURE SLAB
S553	252	7'-8"	SJ	-	6"	3'-0"	8"	3'-6"	-	-	-	-	-	ABUTMENT BACKWALL
S554	252	3'-5"	S2	6"	1'-4"	1'-1"	6"	-	-	-	-	-	-	ABUTMENT BACKWALL
S650	14453	5'-4"	C	8"	4'-8"	-	-	-	-	-	-	-	-	SUPERSTRUCTURE SLAB
S651	12513	5'-7"	C	8"	4'-11"	-	-	-	-	-	-	-	-	SUPERSTRUCTURE SLAB

TYPE - BENDING DIAGRAMS



All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size ofthe bar:

   Mark "A0502" = bar size #5
   Mark "P0805" = bar size #8
   Mark "S1150" = bar size #11

2. Each crank bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the crank bar. Payment in either case shall be based on crank bars as schedule on the plans.

3. Bar marks ending with an 'E' indicate epoxy coating required. Bar marks ending with an 'S' indicate stainless steel bar is required. Bar marks ending with a 'G' indicate Glass Fiber Reinforced Polymer (GFRP) bar is required.

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AC-IM-1927(000)E

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BRIDGE NOS. 6330 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	R. Kravchuk	10/18
CHECKED-REVIEWED	J. Legere	D. Myers	10/18
DESIGN2-DETAILED2		
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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

DECK REINFORCING SCHEDULE

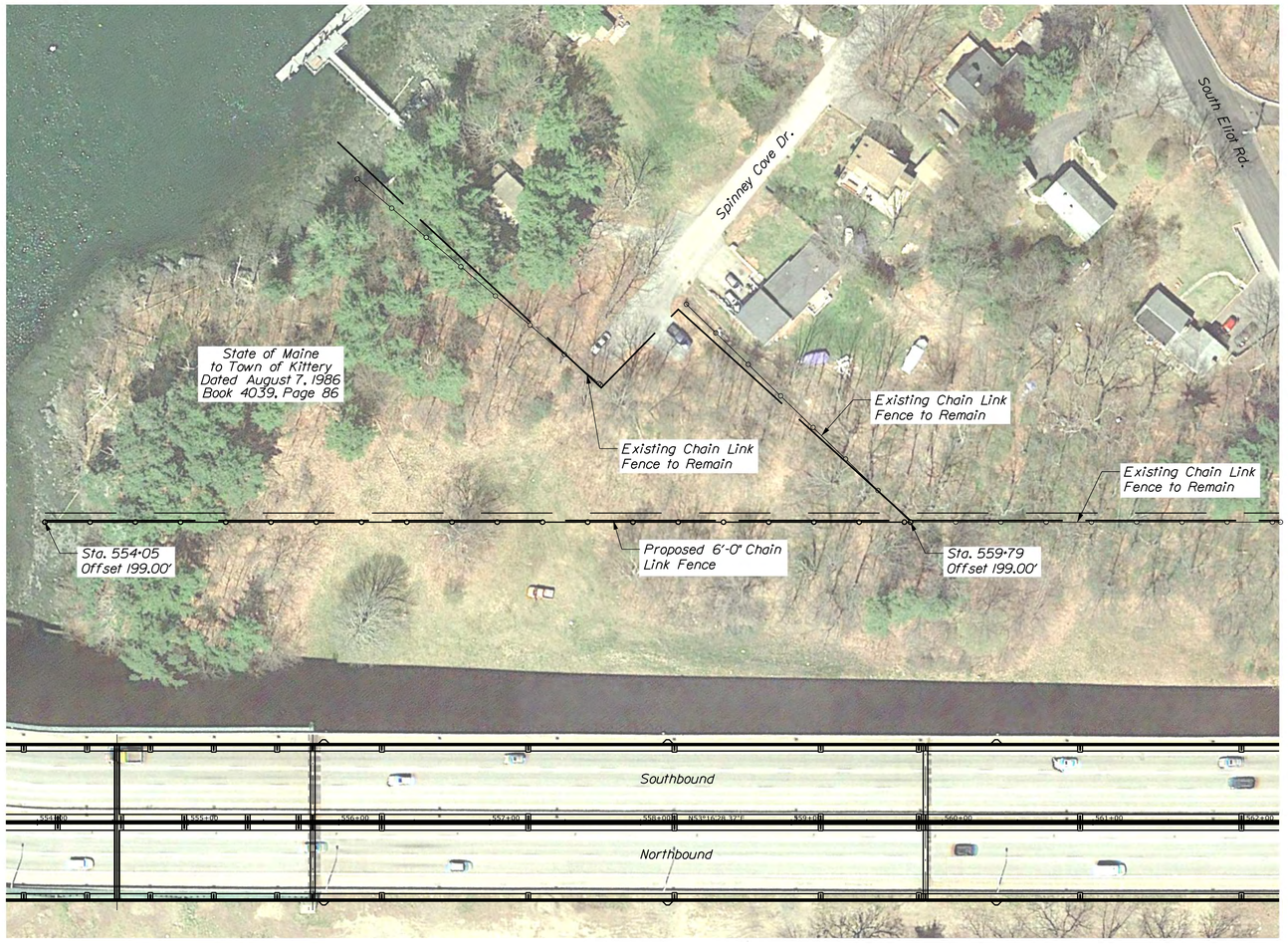
SHEET NUMBER

225

OF 230

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION



PLAN

NOTES:

1. All work shall be paid for under Item 607.17, Chain Link Fence - 6 foot and shall be in accordance with Std. Detail Section 607.
2. Repair areas of the existing 6'-0" chain link fence as directed by the Resident. Payment for repair work shall be under Item 607.17, Chain Link Fence - 6 foot.

STATE OF MAINE
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AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330 — BRIDGE PLANS

PROJ. MANAGER: Leanne Timberlake	BY	DATE	
DESIGN-DETAILED	D. Myers	S. Morgan	9/18
CHECKED-REVIEWED	C. Taylor	D. Myers	9/18
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
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SIGNATURE

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

FENCING DETAILS

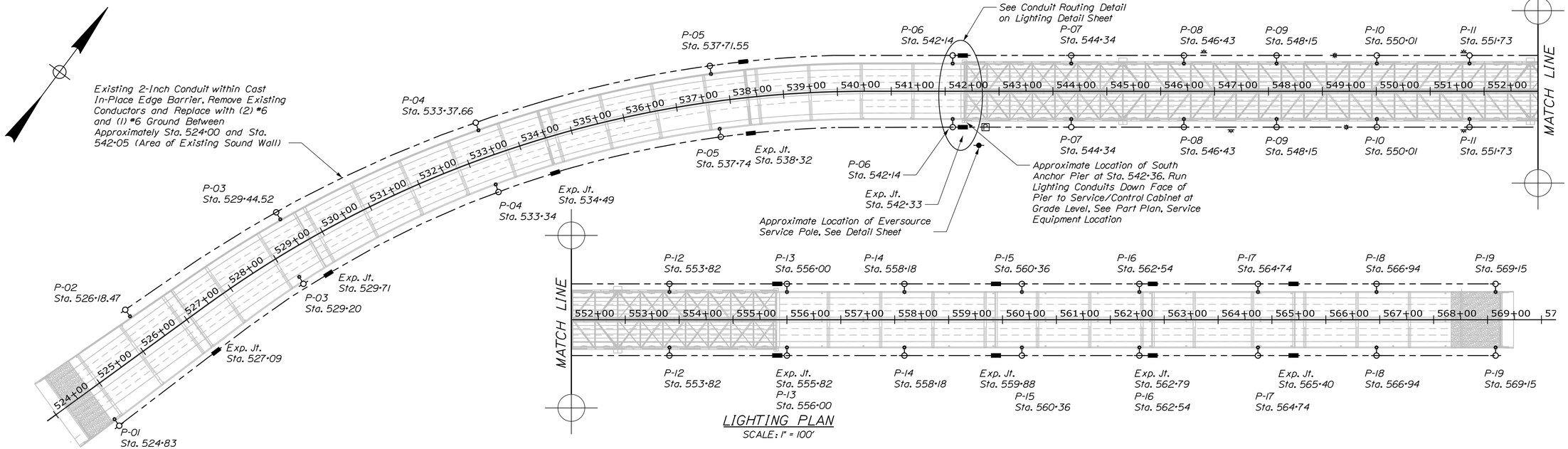
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226

OF 230

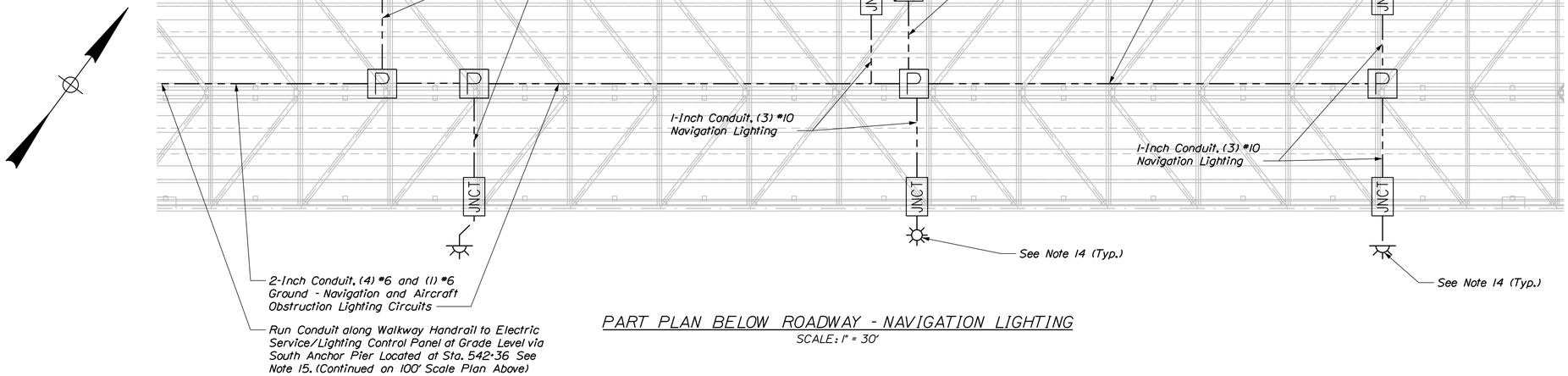
TY LIN INTERNATIONAL

Filename: ...\Bridge\MSTA\xxx_Fencing_01.dgn Division: HIGHWAY Username: Date:11/7/2018



LIGHTING PLAN

SCALE: 1" = 100'



PART PLAN BELOW ROADWAY - NAVIGATION LIGHTING

SCALE: 1" = 30'

LEGEND

- Channel Center Light, 360° Green
- Channel Margin Light, 180° Red
- Roadway Lighting Pole and Luminaire
- Aircraft Obstruction Lighting Control Panel
- P — Pull Box 12"x12"x8" DEEP, NEMA 4X
- JNCT — Splice Box 8"X8"X6" DEEP, NEMA 4X
- CNTRL — Lighting Control Panel
- 2-Inch Conduit unless Indicated Otherwise
- Conduit Down
- OZ Gedney Type AX-8 Conduit Expansion Fitting to Accomodate Movement at Expansion Joint Locations. See Deck Drawings for Locations of Expansion Joints

GENERAL LIGHTING NOTES:

1. In general, the scope of work will include the installation of a complete roadway lighting system; navigation lighting system; provisions for future installation of an Inteligent Transportation System (ITS) and providing a new power supply circuit to the existing aircraft obstruction lighting controller.
2. Work includes for example, (but not limited to) electric service; conduit; expansion/deflection provisions; conductors; pull boxes; handholes (where required) lighting standards and arms; luminaires; controls, and required miscellanous/incidental materials all in general conformance with the work indicated in Specifications and on plans, details, notes and schedules.
3. All materials and workmanship shall conform to the current edition of the National Electrical Code (NFPA-70); Maine Department of Transportation (MaineDOT) Specifications for Miscellaneous Construction, Section 634 - Highway Lighting and Standard Details for Division 600 Miscellaneous Construction; New Hampshire Department of Transportation (NHDOT) Standards; Utility Company Standards and National Highway Administration (NHWA) Guidelines, unless noted otherwise.
4. Prior to the starting of construction work at grade level in the area of the existing Eversource electric service and riser pole the Contractor shall contact Dig Safe to locate all existing underground utilities within the work area and take all necessary precautions for protection of these utilities.
5. The Contractor will coordinate this work with all other Contractors and Utility Companies working on this project. Coordination with Eversource shall include maintaining the operation of the existing 480 volt service for temporary lighting utilizing existing in-place poles and luminaires while at the same time providing new 120-240 volt single phase service to accommodate new lighting system.
6. Installation of all underground conduit will comply with MaineDOT Standard Detail 626 (07). Where conduits are required to pass over drainage lines or other obstructions, and the specified burial depth is not possible, the Contractor shall provide concrete protection of conduit in accordance with NEC Table 300.5.
7. At each pole hand hole provide a two-pole fuse holder with two 5 ampere, 250 volt fuses to isolate a faulty luminaire from the respective lighting circuit. Fuse holder shall be Bussman Hey series with insulating boots. Provide sufficient length slack conductor at each hand hole to allow withdrawing fuseholders two feet from face of hand hole.
8. Anchor bolts shall be hot dip galvanized, diameter and length as recommended and supplied by pole Manufacturer.
9. The Contractor shall field verify the proposed electric service equipment location to avoid any unknown sub-surface utilities, natural and built site features such as but not limited to drainage structures, swales and such features that would interfere with the proper installation of equipment foundation. The Contractor shall visit the site prior to bidding to ensure that he is fully aware of the site conditions that may affect his means and methods of construction.
10. The Contractor is advised and cautioned that existing Eversource energized overhead conductors cross the south approach roadway near the work area. Any work or movement of construction equipment within the proximity of this area must comply with all Eversource regulations for work within such area.
11. The lighting system design basis is on American Electric Lighting luminaires with catalog numbers as indicated on the drawings. Luminaires represent the standard NHDOT roadway luminaire. Any proposed substitution of luminaires require approval by the NHDOT.
12. In general, all exposed conduit, fittings and pull boxes on the bridge structure shall be Type FRP with the exception of conduits and boxes required to support luminaires such as navigation lighting fixtures which shall be PVC coated rigid steel with PVC coated fittings. Conduit cast in-place into concrete shall be PVC with PVC coated rigid conduit installed where conduit exits the concrete. Conduits at service riser pole and where run on the surface of anchor pier column shall be rigid steel.
13. All conductors shall be copper with Type XHHW insulation. Provide an equipment grounding conductor with green colored insulation in all conduits. Grounding conductor size shall be equal to other circuit conductors in the respective conduit.
14. Navigation lighting shall be B&B Roadway Model CM (Channel Margin) and Model CC (Center Channel) with medium base 120V; 100,000 hour LED lamp in a color to match lens.
15. For method of attachment of conduit to walkway handrail see original construction as-builts drawings.

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AC-IM-1927(000)E

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BRIDGE NOS. 6330

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER Leanne Timberlake		
DESIGN-DETAILED	C.Anderson	S.Morgan 10/18
CHECKED-REVIEWED	C.Taylor	D.Myers 10/18
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

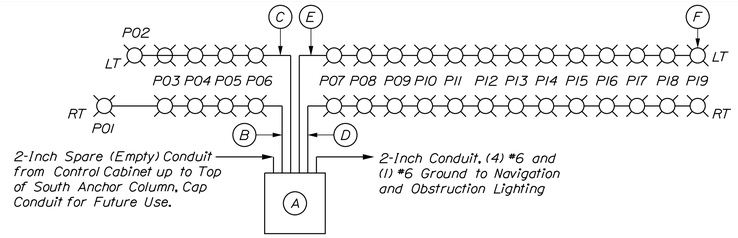
ROADWAY LIGHTING PLAN

SHEET NUMBER

227

OF 230

Date:11/7/2018 Username: Division: HIGHWAY Filename: ...\xxx_Roadway Lighting Plan.dgn



(A) Roadway Lighting Service/Control Cabinet (See Detail) Located at Grade Adjacent to South Anchor Pier. See Part Plan

(B) 2-Inch Conduit, (2) #6 & (1) #6 Ground Roadway Lighting, Cir No. 9 Southeast Segment

(C) 2-Inch Conduit, (2) #6 & (1) #6 Ground Roadway Lighting, Cir. No. 7 Southwest Segment

(D) 2-Inch Conduit, (2) #2 & (1) #2 Ground Roadway Lighting, Cir. No. 10 Northeast Segment

(E) 2-Inch Conduit, (2) #2 & (1) #2 Ground Roadway Lighting, Cir. No. 8 Northwest Segment

(F) Roadway Luminaire, American Electric Lighting Cat. No. ATB0-30BLEDE5-MVOLT-R3-4K-BL-SH mounted at 40 feet above roadway surface on a nominal 40-Foot roundtapered aluminum pole with a 6-foot arm and transformer base with access panel. Apply spin to luminaire such that center of luminaire light beam strikes roadway surface at 90 degrees.

ROADWAY LIGHTING WIRING DETAIL

(Pullboxes not shown for Clarity)
NOT TO SCALE

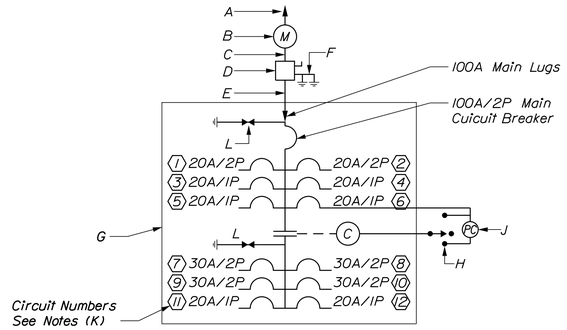


Notes:

1. Expansion fittings for use with rigid galvanized steel conduit shall consist of a malleable iron head and steel sleeve which shall be hot-dipped galvanized and assembled with a watertight packing gland, an insulated bushing and pressure ring and gasket. The fitting shall provide, unless otherwise noted on the plans, 8" of movement for steel finger joints. Expansion fitting shall be OZ Gedney Type AX-8 or approved equal.
2. No bonding jumper cable is required.
3. Place expansion joint in conduit at every finger expansion joint in bridge deck.
4. Fittings to be PVC, except for expansion joint.
5. Provide expansion fitting for lighting and ITS conduit at each location, see Roadway Lighting Plan.

EXPANSION JOINTS FOR CONDUITS IN BRIDGE EDGE BARRIER

NOT TO SCALE

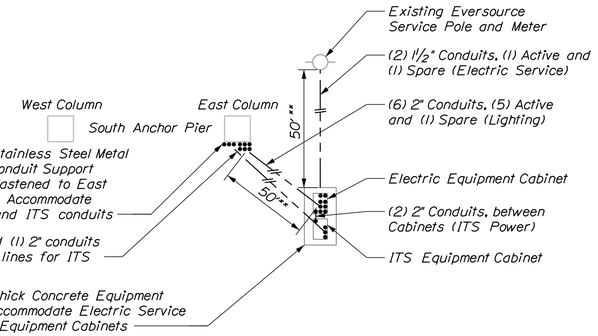


LIGHTING SERVICE/CONTROL CABINET DETAIL

NOT TO SCALE

LIGHTING SERVICE/CONTROL CABINET NOTES:

A. 1-1/2 inch rigid conduit, (3) #2 XHHW CU, run up Eversource riser pole and leave slack conductor as directed by Utility Company.
B. Eversource 240 volt meter mounted on riser pole, provide meter socket per Utility Company standards.
C. 1-1/2 inch rigid conduit, (3) #2 XHHW CU.
D. 100A/3p fused switch in NEMA 4x enclosure with (2) 100A Class RK-5 fuses and padlock keyed to NHDOT requirements.
E. 1-1/2 inch rigid conduit, (3) #2 XHHW CU. Run underground to service / control cabinet.
F. Two 3/4-inch x 10 ft ground rods with top of rod set at 1 ft below grade and #4 bare cu conductor, space rods twenty ft apart and connect to neutral at service switch. Provide thermofusion weld connections to ground rods.
G. Panelboard, 120-240 volt single phase split-bus with: 100a/2p main circuit breaker; (2) 20a/2p branch circuit breakers; (4) 20a/1p branch circuit breakers; 100a/2p mechanically held lighting contactor with 2-wire control interface; (4) 30a/2p branch circuit breakers; (2) 20A/1P circuit breakers and dead front all enclosed in a NEMA 4x free-standing pad-mounted enclosure with internally mounted on-off-automatic selector switch; photocell control mounted adjacent to acrylic window. Provide enclosure heater and thermostat as recommended by enclosure manufacturer to prevent condensation within enclosure.
Panelboard similar to squared Type NQ with bolt-on circuit breakers.
H. "On-Off-Automatic" selector switch located inside of enclosure.
J. Photoelectric control, 120 volt located inside of control enclosure. Provide a 1/4 inch thick acrylic window adjacent to PC control and arrange in such a way that PC can sense ambient light level.
K. Branch circuit directory:
(1) ITS Power
(2) Spare
(3) ITS Power
(4) A/C Obstruction Lighting
(5) ITS Power
(6) Control Circuit
(7) Roadway Lighting SW
(8) Roadway Lighting NW
(9) Roadway Lighting SE
(10) Roadway Lighting NE
(11) Spare
(12) Navigation Lighting
L. Surge arrestor, Delta LA 302 for 125-250 volt single phase 3-wire service.

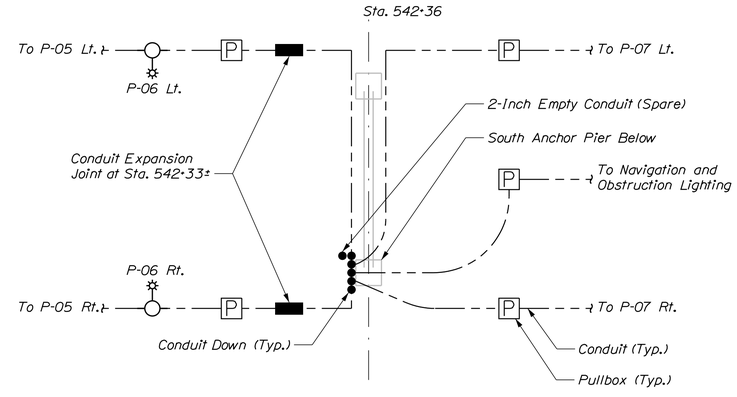


All lighting and ITS conduits rise up at the south anchor pier location (fastened to metal channel attached to the East concrete column) conduits include the following: (4) 2-inch conduits - roadway lighting circuits; (1) 2-inch conduit navigation/obstruction lighting circuit; (1) 2-inch conduit (spare); (2) 4-inch conduits - ITS system; (1) 2-inch conduit - ITS (power) a total of (7) 2-inch conduits and (2) 4-inch conduits. The first ten feet of conduit shall be rigid steel and include a rigid steel ninety degree bend for transition to PVC conduit underground.

** Dimensions are approximate and intended to provide a general location for estimating purposes. Exact location shall be coordinated with any unknown underground utility items.

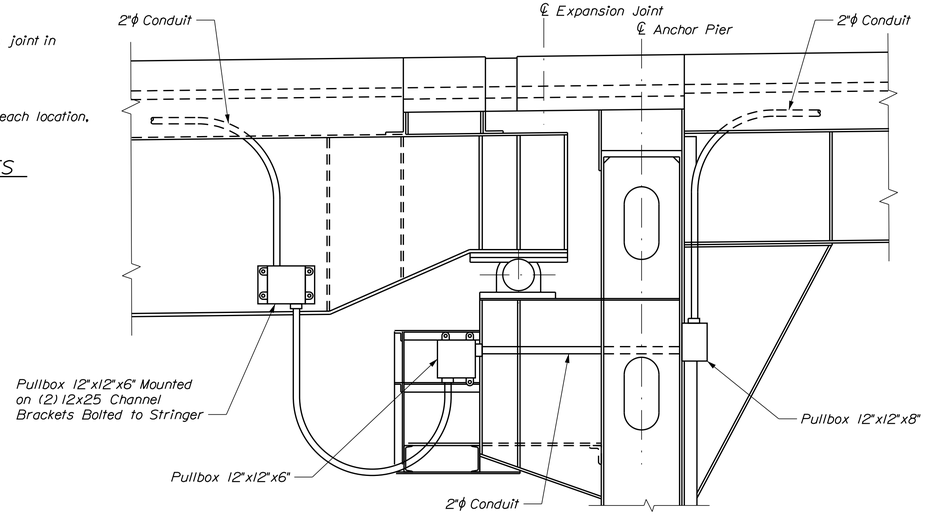
PART PLAN ELECTRIC SERVICE AND ITS EQUIPMENT

NOT TO SCALE



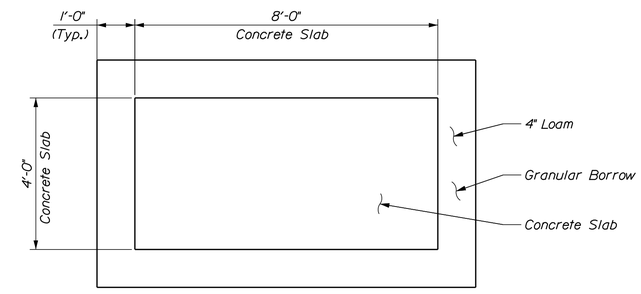
LIGHTING CONDUIT ROUTING AT SOUTH ANCHOR PIER

NOT TO SCALE
(For method of accomodating expansion at anchor pier locations see detail on this sheet)

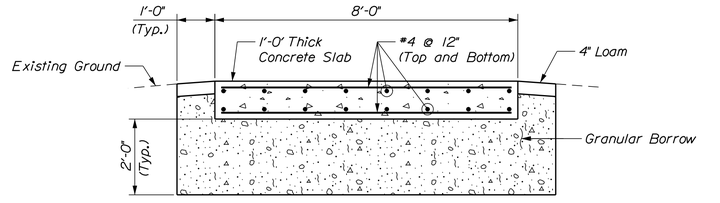


TYPICAL DETAIL FOR ALL LIGHTING CONDUIT CROSSING EXPANSION JOINT AT ANCHOR PIERS

NOT TO SCALE



PLAN



SECTION

CONCRETE SLAB DETAIL

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-IM-1927(000)E

WIN 019270.00

BRIDGE NOS. 6330

BRIDGE PLANS

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PROJ. MANAGER: Leanne Timberlake		
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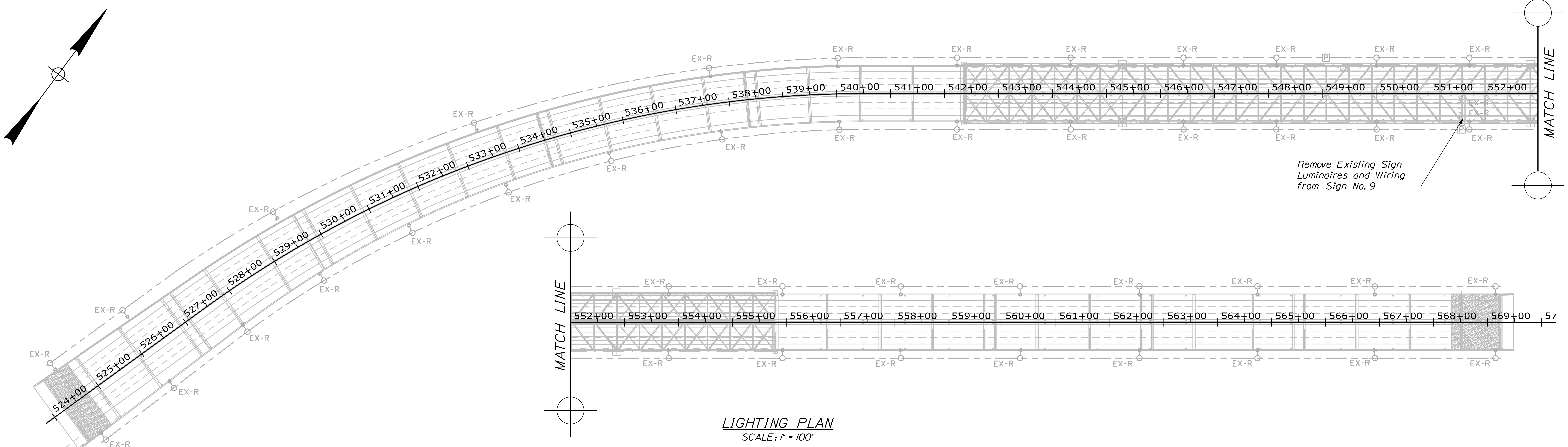
KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

LIGHTING DETAILS

SHEET NUMBER
228
OF 230

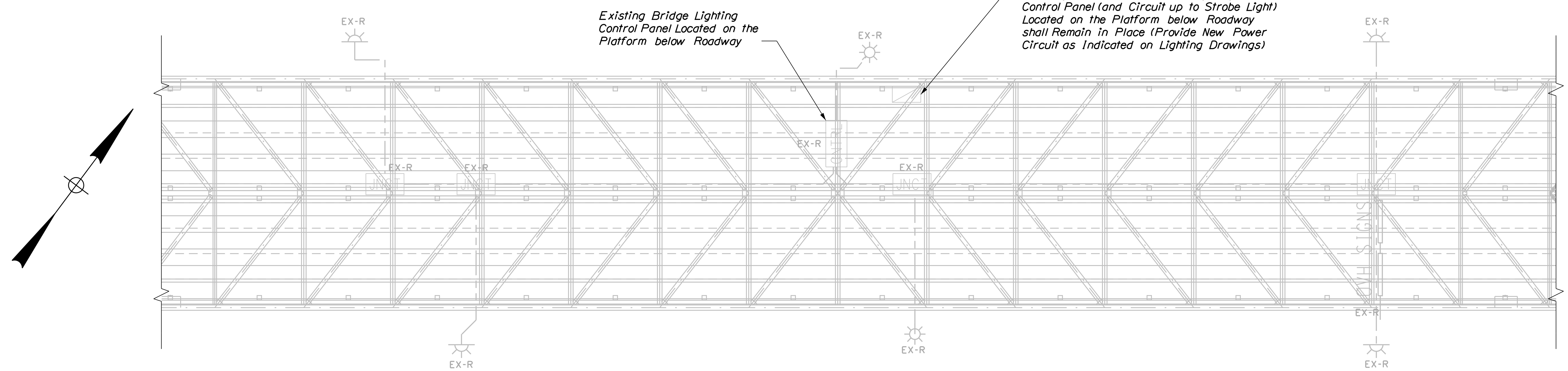
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Division: HIGHWAY
Filename: ...\xxx_Lighting_Details_01.dgn
PLOT DAY



LIGHTING PLAN

SCALE: 1" = 100'



PART PLAN BELOW ROADWAY - NAVIGATION LIGHTING

SCALE: 1" = 30'

LEGEND

- Channel Center Light, 360° Green
- Channel Margin Light, 180° Red
- Roadway Lighting Pole and Luminaire
- Pull Box
- Splice Box
- Lighting Control Panel
- Conduit
- Aircraft Obstruction Lighting Control Panel
- EX-R Existing Item, Remove

NOTES:

1. In general, lighting demolition work includes:

   A. Removal and disposal of roadway lighting poles, arms, luminaires**, conduits, junction boxes, conductors and electric service equipment conduits and conductors. **Luminaires shall be turned over to MaineDOT & NHDOT.

   B. Roadway lighting control cabinet, bridge lighting control cabinet, navigation lighting fixtures, conduits, junction boxes and conductors, sign lighting luminaires, conduits, junction boxes and conductors on signs, and back to source of power.

   C. Aircraft obstruction lighting power conduit and conductors up to power conection point on obstruction strobe light controller.

   D. Aircraft obstruction lighting strobe fixture shall remain in continuous operation throughout the construction contract period and be in satisfactory operating condition upon acceptance of the project by the Department. Provide temporary power to maintain continuous operation of obstruction lighting when necessary due to construction operations.

   E. Responsibility for maintaining obstruction lighting operation shall be limited to ensuring that power is maintained to controller at all times excluding utility power system outages.

   F. Navigation lighting shall remain in continuous operation from one hour before sunset to one hour after sunrise, and under conditions that visibility is less than one mile. Provide temporary power to maintain continuous operation of navigation lighting when necessary due to construction operations.

   G. Responsibility for maintaining navigation lighting operation shall be limited to ensuring navigation lighting is operating at designated times excluding utility power system outages.

2. Phased construction and demolition required. Demolition work shall be completed in a phased sequence fully coordinated with the phased general construction work to ensure the required maintenance of traffic as required by contract, which will include the following:

   A. Maintain roadway lighting operation by use of existing and new lighting including providing temporary power (480 volt) and control to existing lighting, and power (240 volt) and control to new lighting as each area of new lighting is completed.

   B. Coordination and cooperation with Public Service of New Hampshire to maintain existing 480 volt service in operation and at the same time providing a new 240 volt single phase service and metering for new lighting system.

   C. Maintain both new and existing electric services in operation for the duration of the contract if required by construction sequencing and progress.

   D. Some as-built lighting drawings are provided to the Contractor for informational purposes only and may not be totally accurate. Drawings are intended to provide additional information for planning temporary 480 volt service for existing luminaires during construction and provide additional details to aid demolition sequencing.

3. Selective demolition is required. Complete demolition in a selective manner and ensure that electrical equipment and lighting that is to remain for reuse not be removed or damaged from demolition operations. Equipment for reuse will be identified on the demolition drawing, and include aircraft obstruction strobe light fixture, controller and conduit and conductors between controller and strobe fixture.

4. Included in demolition work. Miscellaneous items included in demolition include but may not be limited to for example. Conduit hangers, equipment mounting brackets and supports, braces and protruding metal brackets and/ or hangers that present a danger to maintenance personnel while traversing catwalks ladders and equipment platforms.

5. Disposal of demolition debris. Upon removal of items included in demolition work and new construction all debris will become the property of this Contractor and shall be disposed of off site in accordance with all applicable regulations regarding demolition debris disposal.

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BRIDGE PLANS

BRIDGE NOS. 6330

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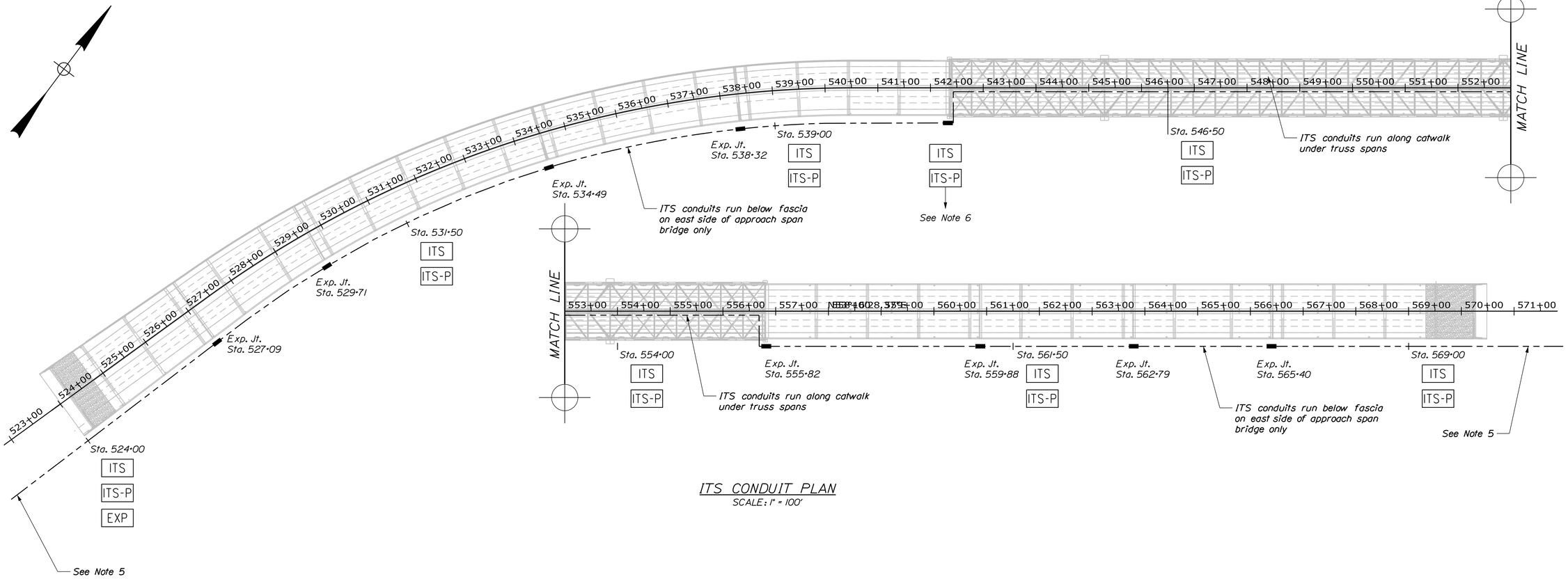
P.E. NUMBER

DATE

KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

LIGHTING DEMOLITION PLAN

Filename: ...\xxx_Lighting_Demolition_Plan.dgn Division: HIGHWAY Username: Date:11/7/2018



ITS CONDUIT PLAN

SCALE: 1" = 100'

ITS LEGEND:

ITS	ITS signal pull box 24"x24"x8", NEMA 4X, 14 gauge Type 316 Stainless Steel with continuous hinged cover, and door clamps.
ITS-P	ITS power pull box, 12"x12"x8", NEMA 4X, 14 guage Type 316 stainless steel with continuous hinged cover, and door clamps.
– – —	ITS conduits (2) 4" signal & (1) 2" Power, Type FRP, mounted on FRP channels with Type 316 stainless steel hardware below concrete fascia on east side of bridge and along catwalk under truss spans.
▬	Expansion fitting as recommended by conduits Manufacturer. Provide one in each ITS signal and power conduit at each deck expansion joint location and at intervals not exceeding conduit Manufacturers recommendations. Refer to lighting drawings for expansion joint locations.

ITS NOTES:

1. All exposed ITS conduits shall be Type FRP and installed in accordance with Manufactures recommendations. Where the use of the Manufactures expansion joints will not accommodate the expected expansion movement the use of sections of liquidtight flexible metal conduit will be allowed as approved by the Resident Engineer.
2. All fasteners and hardware for the attachment of conduits and pull boxes shall be Type 316 Stainless Steel.
3. The exact locations of pull boxes shall be adjusted in the field to eliminate any interferance with structural members and allow proper access and to open the doors a minimum of ninety degrees.
4. All ITS conduits shall contain a pull line for future installation of ITS wiring.
5. ITS conduits shall exit the pull box at the abutment and run underground via an expansion jiont to a point five feet beyond the point of concrete embedment and terminate with a conduit cap at 30" below grade. Mark the conduit end with a length of rebar extending two feet above grade. The point of conduit termination shall not be below any pavement and be orientated in such a way as to be easily extended under a future contract.
6. ITS conduits (2) 4" & (1) 2" run down anchor pier column to ITS equipment cabinet at grade level see lighting detail sheet for additional information.

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KITTERY - PORTSMOUTH BRIDGE
OVER PISCATAQUA RIVER
KITTERY-PORTSMOUTH YORK COUNTY

ITS CONDUIT PLAN

SHEET NUMBER
230
OF 230

Filename: ...\MSTA\xxx_ITS_Conduit.dgn Division: HIGHWAY Username: Date:11/7/2018