



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

September 4, 2024
Subject: Route 155/ I-95
Bridge Deck Replacement
State WIN: 025631.14
Location: Howland
Amendment No. 2

Dear Sir/Ms.:

In the contract bid book:

REMOVE pages 16 through 22 PROPOSAL SCHEDULE OF ITEMS dated 8/14/2024 and **REPLACE** with the attached PROPOSAL SCHEDULE OF ITEMS (7 pages) dated 9/10/2024.

In the contract bid book, **ADD** the attached SPECIAL PROVISION SECTION 507 – RAILINGS (Temporary Bridge Rail) (2 pages) dated 9/9/2024.

In the contract bid book, **REPLACE** SPECIAL PROVISION SECTION 107 TIME (Contract Time and Supplemental Liquidated Damages) (1 page) dated 7/26/2024 with the attached SPECIAL PROVISION SECTION 107 TIME (Contract Time and Supplemental Liquidated Damages) (1 page) dated 9/10/2024.

In the contract plan set, **REMOVE** SHEET NUMBER 2 of 31, ESTIMATED QUANTITIES dated 8/12/2024 and **REPLACE** with the attached SHEET NUMBER 2 of 31, ESTIMATED QUANTITIES dated 9/10/2024.

In the contract plan set, **REMOVE** SHEET NUMBER 27 of 31, STAGED CONSTRUCTION dated 8/12/2024 and **REPLACE** with the attached SHEET NUMBER 27 of 31, STAGED CONSTRUCTION dated 9/10/2024.

In the contract plan set, **REMOVE** SHEET NUMBER 28 of 31, TRAFFIC CONTROL PLANS dated 8/12/2024 and **REPLACE** with the attached SHEET NUMBER 28 of 31, TRAFFIC CONTROL PLANS dated 9/10/2024.

In the contract plan set, **REMOVE** SHEET NUMBER 29 of 31, TRAFFIC CONTROL PLANS dated 8/12/2024 and **REPLACE** with the attached SHEET NUMBER 29 of 31, TRAFFIC CONTROL PLANS dated 9/10/2024.

The following questions have been received:

Question: As it pertains to Special Provision-Section 107-Contract Time and Supplemental Liquidated Damages. Would the department consider extending the timeframe for using a temporary traffic signal with alternating one-way traffic, to be put into service on October 15, 2024, and the ability for it to remain in service until the project is Substantially Complete, on or before November 15, 2025. If winter maintenance of Route 155 is a concern, it could be the contractors responsibility within the construction zone. We believe the current time allotted in the contract documents for phased construction is unreasonably short for a 405' long bridge over the interstate with substantial substructure replacements and temporary structural support.

Response:

The temporary traffic signal with alternating one-way traffic will be allowed at any time before the project is Substantially Complete, on or before November 15, 2025. Between November 15, 2024 and April 15, 2025, if a temporary traffic signal with alternating one-way traffic is utilized, a minimum 12'-0" wide travel lane must be provided and the Contractor shall plow snow, sand, and salt such portions of the project that carry vehicular traffic, so as to allow the free and safe flow of such traffic, and shall ensure snow and ice do not fall from Route 155 onto I-95. To achieve a 12'-0" wide travel lane in stage 1, Temporary Bridge Rail has been added to the schedule of items.

The temporary railing or barrier for Stage 1 will be paid for under Pay Item 507.131 Temporary Bridge Rail. The temporary barrier for Stage 2 will be paid for under Pay Item 526.305 Temporary Concrete Barrier, Braced Type I.

Consider these changes and information prior to submitting your bid on September 18, **2024**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

9/10/2024

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 7

Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR)	LUMP SUM				
0020	202.12 REMOVING EXISTING STRUCTURAL CONCRETE	79.000 CY				
0030	202.13 REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	840.000 LF				
0040	202.202 REMOVING PAVEMENT SURFACE	440.000 SY				
0050	203.20 COMMON EXCAVATION	160.000 CY				
0060	203.25 GRANULAR BORROW	85.000 CY				
0070	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	110.000 CY				
0080	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	140.000 CY				
0090	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	180.000 T				
0100	403.211 HOT MIX ASPHALT (SHIMMING)	6.000 T				
0110	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	220.000 T				

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Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 7

Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	409.15 BITUMINOUS TACK COAT - APPLIED	220.000 G	_____	 _____	_____	 _____
0130	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	57.000 CY	_____	 _____	_____	 _____
0140	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM		LUMP SUM	_____	 _____
0150	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM		LUMP SUM	_____	 _____
0160	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM		LUMP SUM	_____	 _____
0170	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: E	4.000 EA	_____	 _____	_____	 _____
0180	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	9,500.000 LB	_____	 _____	_____	 _____
0190	503.13 REINFORCING STEEL, PLACING	9,500.000 LB	_____	 _____	_____	 _____
0200	503.17 MECHANICAL WELDED SPLICE	1,700.000 EA	_____	 _____	_____	 _____
0210	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	970.000 LB	_____	 _____	_____	 _____
0220	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	970.000 LB	_____	 _____	_____	 _____

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Proposal Schedule of Items

Page 3 of 7

Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	504.70 STRUCTURAL STEEL FABRICATED AND DELIVERED	LUMP SUM	LUMP	SUM	_____	_____
0240	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____
0250	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0260	506.1775 FIELD PAINTING	LUMP SUM	LUMP	SUM	_____	_____
0270	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	SUM	_____	_____
0280	507.0822 STEEL APPROACH RAILING, 3-BAR	4.000 EA	_____	_____	_____	_____
0290	507.131 TEMPORARY BRIDGE RAIL	LUMP SUM	LUMP	SUM	_____	_____
0300	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0310	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0320	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	8.000 SF	_____	_____	_____	_____
0330	521.23 EXPANSION DEVICE FINGER JOINT	1.000 EA	_____	_____	_____	_____
0340	523.52 BEARING INSTALLATION	10.000 EA	_____	_____	_____	_____

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Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0350	523.5551 POT OR DISC BEARINGS, FIXED	5.000 EA	_____	_____	_____	_____
0360	523.5552 POT OR DISC BEARINGS, EXPANSION	5.000 EA	_____	_____	_____	_____
0370	524.301 TEMPORARY STRUCTURAL SUPPORT APPROACHES	LUMP SUM	LUMP	SUM	_____	_____
0380	524.301 TEMPORARY STRUCTURAL SUPPORT BEARING REPL	LUMP SUM	LUMP	SUM	_____	_____
0390	524.40 PROTECTIVE SHIELD	LUMP SUM	LUMP	SUM	_____	_____
0400	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
0410	526.305 PORTABLE CONCRETE BARRIER, BRACED TYPE 1	LUMP SUM	LUMP	SUM	_____	_____
0420	527.33 TRUCK MOUNTED ATTENUATOR	2.000 EA	_____	_____	_____	_____
0430	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN	_____	_____	_____	_____
0440	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	370.000 LF	_____	_____	_____	_____
0450	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	1.000 EA	_____	_____	_____	_____
0460	606.1721 BRIDGE TRANSITION - TYPE 1	4.000 EA	_____	_____	_____	_____

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Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0470	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	14.000 EA	_____	 _____	_____	 _____
0480	607.183 CHAIN LINK SNOW FENCE 33 INCH	LUMP SUM	LUMP SUM		_____	 _____
0490	610.08 PLAIN RIPRAP	5.000 CY	_____	 _____	_____	 _____
0500	613.319 EROSION CONTROL BLANKET	140.000 SY	_____	 _____	_____	 _____
0510	615.07 LOAM	8.000 CY	_____	 _____	_____	 _____
0520	618.14 SEEDING METHOD NUMBER 2	2.000 UN	_____	 _____	_____	 _____
0530	619.12 MULCH	2.000 UN	_____	 _____	_____	 _____
0540	619.14 EROSION CONTROL MIX	5.000 CY	_____	 _____	_____	 _____
0550	627.511 TEMPORARY PAVEMENT LINE TAPE, YELLOW OR WHITE	240.000 SF	_____	 _____	_____	 _____
0560	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,400.000 LF	_____	 _____	_____	 _____
0570	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	210.000 SF	_____	 _____	_____	 _____
0580	627.77 REMOVING PAVEMENT MARKINGS	800.000 SF	_____	 _____	_____	 _____

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Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0590	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR	_____	_____	_____	_____
0600	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	5.000 HR	_____	_____	_____	_____
0610	631.11 AIR TOOL (INCLUDING OPERATOR)	5.000 HR	_____	_____	_____	_____
0620	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR	_____	_____	_____	_____
0630	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	25.000 HR	_____	_____	_____	_____
0640	631.22 FRONT END LOADER (INCLUDING OPERATOR)	25.000 HR	_____	_____	_____	_____
0650	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	_____	_____	_____
0660	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM	LUMP SUM		_____	_____
0670	652.30 FLASHING ARROW BOARD	2.000 EA	_____	_____	_____	_____
0680	652.33 DRUM	100.000 EA	_____	_____	_____	_____
0690	652.34 CONE	10.000 EA	_____	_____	_____	_____
0700	652.35 CONSTRUCTION SIGNS	440.000 SF	_____	_____	_____	_____

9/10/2024

Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 025631.14

Project(s): 025631.14

SECTION: 1 INITIAL GROUP

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0710	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM				
0720	652.38 FLAGGER	320.000 HR				
0730	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA				
0740	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM				
0750	659.10 MOBILIZATION	LUMP SUM				
Section: 1			Total:			
			Total Bid:			

SPECIAL PROVISION
SECTION 107
TIME
(Contract Time and Supplemental Liquidated Damages)

107.1.1 Contract Time and Contract Completion Date

Add the following to this section:

The Contract Completion Date is June 30th, 2026.

107.3.1 General

Add the following to this section:

I-95 Northbound and Southbound

Single lane closures are allowed for access to the median, installation and removal of shielding, or other specific work activities that cannot be safely or reasonably completed with the interstate open to two lanes of traffic in each direction, as determined by the Resident. When a single lane closure is allowed, the lane open to traffic shall be a minimum of 12 feet wide.

Route 155

Traffic shall be maintained using a temporary traffic signal with alternating one-way traffic; refer to the staged construction Plan sheet. The temporary traffic signal shall remain in service until the project is Substantially Complete.

The alternating one-way traffic travel lane width shall be a minimum of 12'-0" prior to April 15, 2025 and shall be a minimum of 11'-0" between April 15, 2025 and November 15, 2025.

Before the temporary traffic signal with alternating one-way traffic is put into service, and after the project is Substantially Complete, single lane closures using flaggers are allowed when the Contractor is on site and Work is occurring that requires a lane closure, as determined by the Resident.

The Work shall be Substantially Complete and Route 155 reopened to two-way traffic on or before November 15, 2025. Substantially Complete is defined as the completion and acceptance of the following: All structural concrete work; all bearings; bridge railing; finger joint and all associated work, including curtain trough; permanent base and surface pavement on the bridge; permanent base pavement on the approaches; guardrail. Supplemental Liquidated Damages will be assessed at the rate of \$1,000 per Day, or portion of a Day, that the project is not Substantially Complete after the specified date for Substantial Completion. This assessment of Supplemental Liquidated Damages will be in addition to the Liquidated Damages specified in Standard Specification Section 107.

SPECIAL PROVISION
SECTION 507
RAILINGS
(Temporary Bridge Rail)

The following is added to the Standard Specifications in accordance with Section 507

Description

This work shall consist of fabrication, delivery, installation, relocation and removal of the temporary bridge rail or anchored barrier. Work shall include the design of the temporary bridge rail and its attachments to the existing bridge deck.

Materials

Structural Steel shall conform to Subsection 713.01 of the Standard Specifications.

High strength bolts, nuts, and washers shall conform to the requirements of ASTM F3125, Grade A325.

Anchor bolts shall conform to the requirements of ASTM F1554.

The anchoring material shall be one of the products listed on the Maine Department of Transportation's Qualified Products List, Epoxy and Resin Based Adhesive Bonding Systems. Installation shall be in accordance with the manufacturer's published recommendations.

Design Criteria

The temporary bridge rail or barrier shall be either a steel railing positively attached to the deck or concrete barrier meeting the requirements of Section 526, Portable Concrete Barrier, Anchored Type I.

Temporary steel bridge rail shall have a maximum width of 12 inches and shall be positively attached to the existing bridge deck. The temporary bridge rail and its attachment to the concrete deck shall be designed to meet the requirements of the AASHTO LRFD TL-2 loading condition. The temporary bridge rail and its attachments shall be designed and stamped by a Professional Engineer licensed in the State of Maine and shall be submitted for approval by the Department.

Construction Methods

Steel Bridge Rail

The fabrication and erection of temporary steel bridge rail shall conform to the requirements of Section 504 of the Standard Specifications.

Temporary Concrete Barrier Transition Section

Any temporary concrete barrier concrete transition to temporary steel rail shall be designed to avoid snag points. The temporary concrete section adjacent to the temporary bridge rail shall be modified from Standard Details 526. The modified barrier shall provide a smooth transition from

a typical cross section of the barrier to a section that completely obscures the rails at the point where the steel rail and concrete barrier connect.

Steel loops protruding from the ends of the temporary concrete barriers shall be joined with a steel linking pin to prevent independent movement of any one barrier section as shown in the Standard Detail 526(04). Also, the rail end treatment shall be fabricated with steel loops to allow for the modified concrete barrier sections to attach to the steel rail in the same manner. If at any time during the project the modified barrier section becomes damaged through handling, collision, or any other manner, the modified section shall be replaced immediately with a newly made modified section.

Method of Measurement

Temporary bridge railing will be measured for payment as one lump sum.

Basis of Payment

Railing will be paid for at the Contract lump sum price, complete in place and accepted. This price will be full compensation for designing, furnishing, installing, maintaining, adjusting, and relocating all equipment, materials, incidentals, and all labor necessary to complete the work as described herein and as shown on the Plans.

Payment for the modified barrier transition section shall be considered incidental to this item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
507.131 Temporary Bridge Rail	Lump Sum

Date:9/10/2024

Username: slndsley

Division:

Filename: ... \0xx_Quantities_1.dgn

ESTIMATED QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
202.10	REMOVE EXISTING SUPERSTRUCTURE PROPERTY OF CONTRACTOR (480 CY)	1	LS
202.12	REMOVE EXISTING STRUCTURAL CONCRETE	79	CY
202.13	REMOVE EXISTING RAILINGS (RETAINED BY DEPARTMENT)	840	LF
202.202	REMOVING PAVEMENT SURFACE	440	SY
203.20	COMMON EXCAVATION	160	CY
203.25	GRANULAR BORROW	85	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES, PLAN QUANTITY	110	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	140	CY
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	180	T
403.211	HOT MIX ASPHALT - SHIM	6	T
403.2131	HOT MIX ASPHALT - 12.5 MM (BASE AND INTERMEDIATE COURSE, POLYMER MODIFIED)	220	T
409.15	BITUMINOUS TACK COAT, APPLIED	220	G
502.21	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	57	CY
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLAB ON STEEL BRIDGES (350 CY)	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLAB (23 CY)	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS (55 CY)	1	LS
502.77	FRP BRIDGE DRAIN, TYPE E	4	EA
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	9500	LB
503.13	REINFORCING STEEL, PLACING	9500	LB
503.17	MECHANICAL/WELDED SPLICE	1700	EA
503.19	LOW-CARBON CHROMIUM REINFORCEMENT, FABRICATED AND DELIVERED	970	LB
503.20	LOW-CARBON CHROMIUM REINFORCEMENT, PLACING	970	LB
504.70	STRUCTURAL STEEL FABRICATED AND DELIVERED (3470 LB)	1	LS
504.71	STRUCTURAL STEEL ERECTION (3470 LB)	1	LS
505.08	SHEAR CONNECTORS (6350 EA)	1	LS
506.1775	FIELD PAINTING, NEW AND EXISTING STEEL WITH ZINC RICH PAINT (80 SF)	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR (870 LF)	1	LS
507.0822	STEEL APPROACH RAILING, 3-BAR	4	EA
507.131	TEMPORARY BRIDGE RAIL (460 LF)	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (1380 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (530 SY)	1	LS
518.60	REPAIR OF VERTICAL SURFACES < 8 INCHES	8	SF
521.23	EXPANSION DEVICE - FINGER JOINT	1	EA
523.52	BEARING INSTALLATION	10	EA
523.5551	POT OR DISC BEARINGS, FIXED	5	EA
523.5552	POT OR DISC BEARINGS, EXPANSION	5	EA
524.301	TEMPORARY STRUCTURAL SUPPORT (APPROACHES)	1	LS
524.301	TEMPORARY STRUCTURAL SUPPORT (BEARING REPLACEMENT)	1	LS
524.40	PROTECTIVE SHIELD	1	LS
526.301	PORTABLE CONCRETE BARRIER, TYPE I (450 LF)	1	LS
526.304	TEMPORARY CONCRETE BARRIER, ANCHORED TYPE I (460 LF)	1	LS
526.305	TEMPORARY CONCRETE BARRIER, BRACED TYPE I (460 LF)	1	LS
527.33	TRUCK MOUNTED ATTENUATOR	2	EA
527.34	WORK ZONE CRASH CUSHIONS	2	UN
606.1301	31" W-BEAM GUARDRAIL, MID-WAY SPLICE-SINGLE FACED	370	LF
606.1305	31" W-BEAM GUARDRAIL, MID-WAY SPLCE FLARED TERMINAL	1	EA
606.1721	BRIDGE TRANSITION - TYPE 1	4	EA
607.183	CHAIN LINK SNOW FENCE 33 INCH (320 LF)	1	LS
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	14	EA
610.08	PLAIN RIPRAP	5	CY
613.319	EROSION CONTROL BLANKET	140	SY
615.07	LOAM	8	CY
618.14	SEEDING METHOD NUMBER 2	2	UN
619.12	MULCH	2	UN
619.14	EROSION CONTROL MIX	5	CY
627.511	TEMPORARY PAVEMENT LINE TAPE, YELLOW OR WHITE	240	SF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2400	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	210	SF
627.77	REMOVING EXISTING PAVEMENT MARKING	800	SF
629.05	HAND LABOR, STRAIGHT TIME	25	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	5	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	5	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25	HR

2

2

ESTIMATED QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	25	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	25	HR
639.19	FIELD OFFICE TYPE B	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.30	FLASHING ARROW	2	EA
652.33	DRUM	100	EA
652.34	CONE	10	EA
652.35	CONSTRUCTION SIGNS	440	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGERS	320	HR
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	2	EA
656.75	TEMPORARY SOIL EROSION & WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. 2563114

WIN
WIN 25631.14
BRIDGE NO. 6068
BRIDGE PLANS

ROUTE 155\I-95 BRIDGE
INTERSTATE 95
HOWLAND PENOBSCOT COUNTY

ESTIMATED QUANTITIES

SHEET NUMBER
2
OF 31

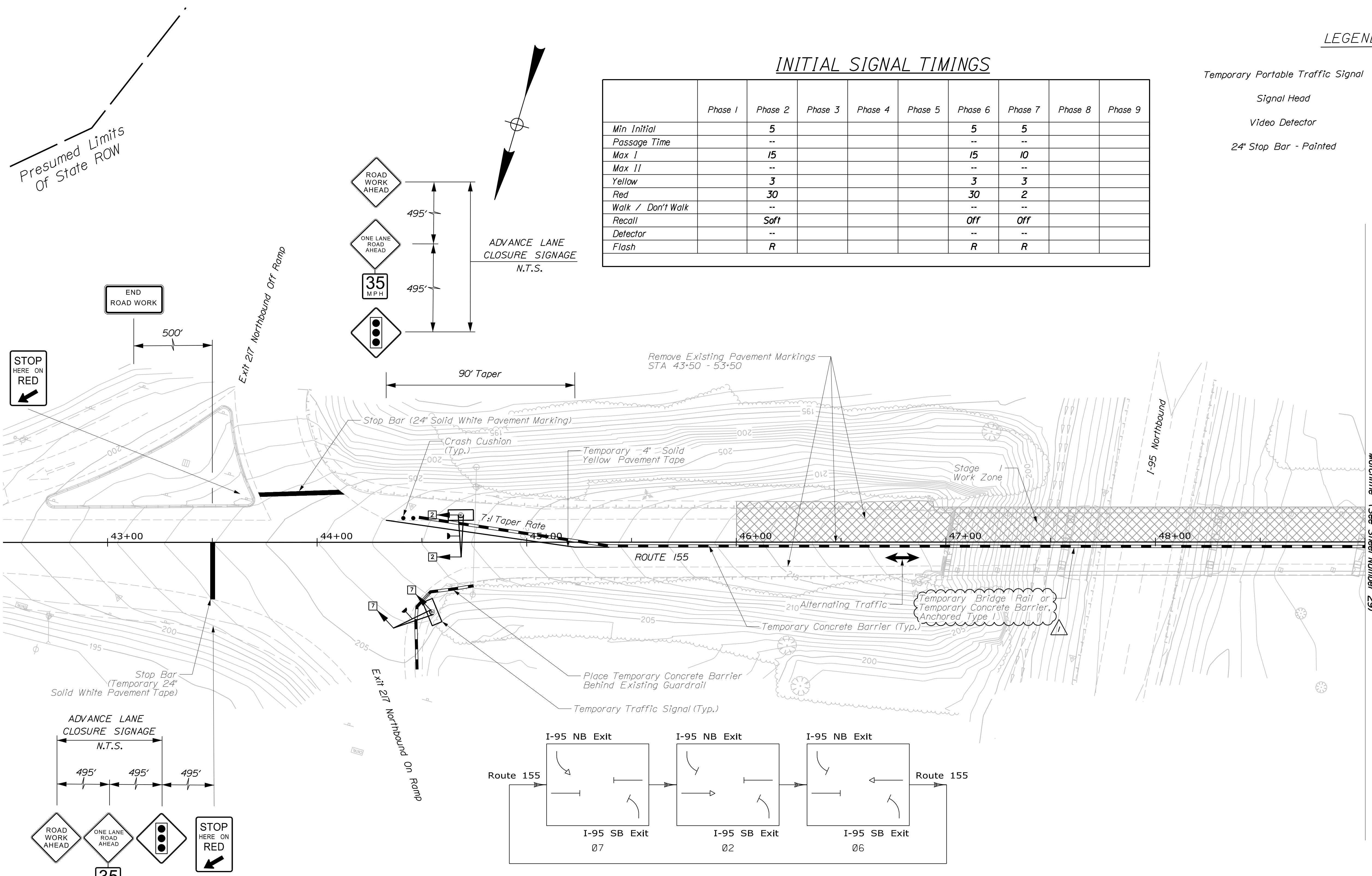
PROJ. MANAGER J. BRASK BY DATE
DESIGN-DETAILED S. LINDSLEY E. MORRISON 08-24
CHECKED-REVIEWED D. WHITE B. COLBURN 08-24
DESIGN-DETAILED J. FITZ N. EDMAN 08-24
DESIGN-DETAILED
REVISIONS 1 Added Int. Digthg. gns 9-24
REVISIONS 2 Added Opt. Temp. Brg. Roll 9-24
REVISIONS 3
REVISIONS 4
FIELD CHANGES

SIGNATURE
P.E. NUMBER
DATE



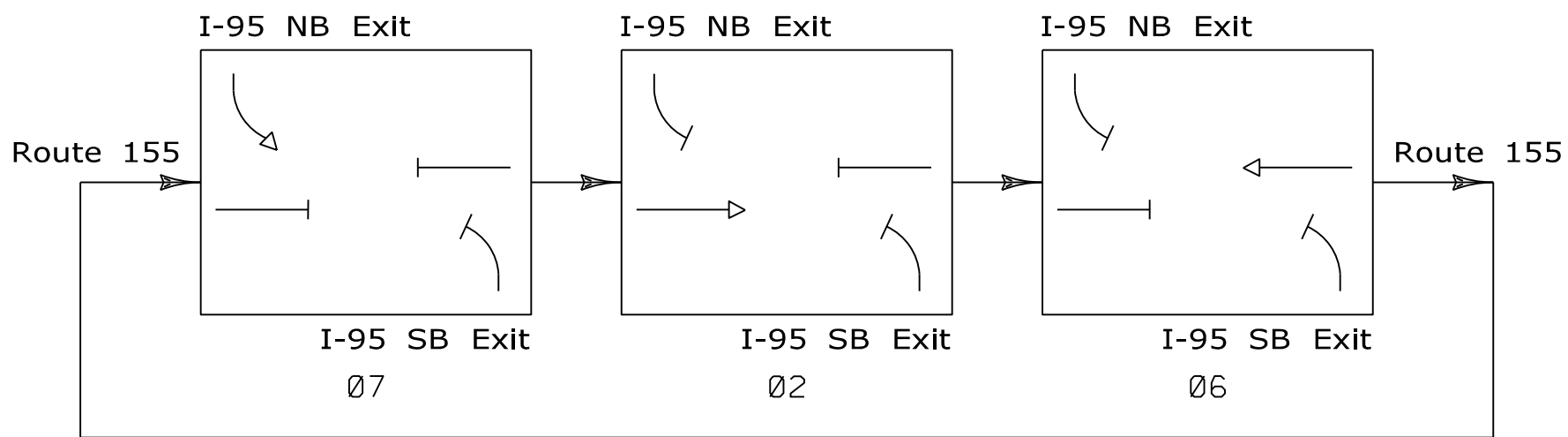
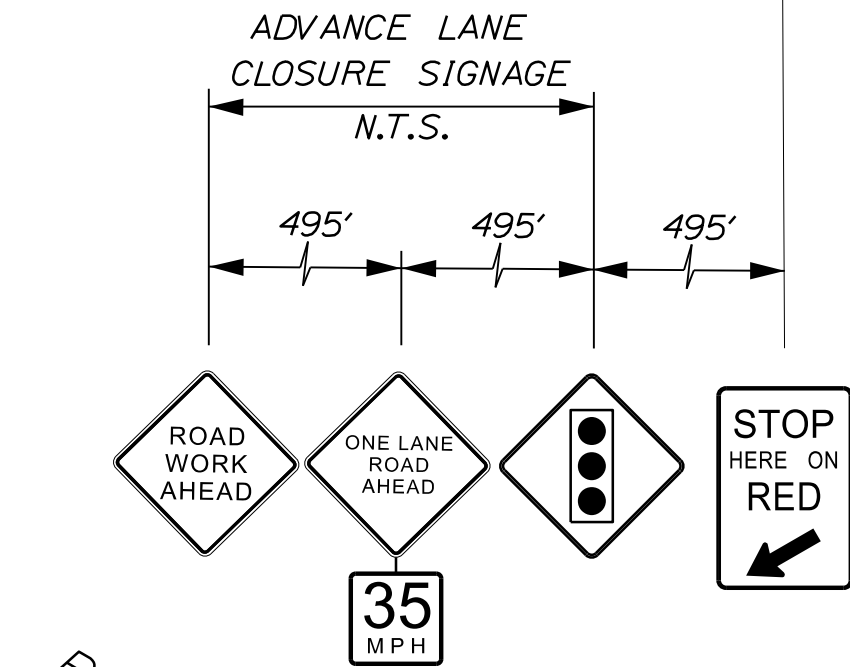
Note:
To extend available work window, use Temporary Bridge Rail and provide 12'-0" Travel Lane. See Special Provision 107.

<div>27</div> <div>OF 31</div>		SHEET NUMBER	ROUTE 155\I-95 BRIDGE		PROJ. MANAGER		J. BRASK	BY	DATE	STATE OF MAINE	
			INTERSTATE 95		DESIGN-DETAILED		S. LINDSLEY	E. MORRISON	08-24	DEPARTMENT OF TRANSPORTATION	
			HOWLAND		CHECKED-REVIEWED		D. WHITE	B. COLBURN	08-24	PROJECT NO. 2563114	
			PENOBSCOT COUNTY		DESIGN-DETAILED		J. FITZ	N. EDMAN	08-24		
					DESIGNS-DETAILED						
STAGED CONSTRUCTION		REVISIONS 1		Added Opt. Temp. Brg. Roll			P.E. NUMBER				
		REVISIONS 2									
		REVISIONS 3									
		REVISIONS 4									
		FIELD CHANGES							DATE		
									BRIDGE NO. 6068		
									WIN		
									WIN 25631.14		
									BRIDGE PLANS		



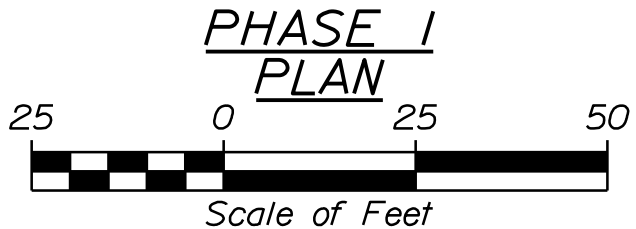
	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8	Phase 9
Min Initial		5				5	5		
Passage Time		--				--	--		
Max I		15				15	10		
Max II		--				--	--		
Yellow		3				3	3		
Red		30				30	2		
Walk / Don't Walk		--				--	--		
Recall		Soft				Off	Off		
Detector		--				--	--		
Flash		R				R	R		

- LEGEND
- Temporary Portable Traffic Signal
 - Signal Head
 - Video Detector
 - 24" Stop Bar - Painted



Traffic Signal Notes:

- Clearance Time Calculations Were Based on a Vehicle Speed of 25 MPH for 1000 Feet on Route 155. These Timings May Need to be Adjusted Based on Actual Conditions. Contractor Will be Responsible for Monitoring Conditions and Queuing and Request Adjustments to the Timings for Approval by the Resident.

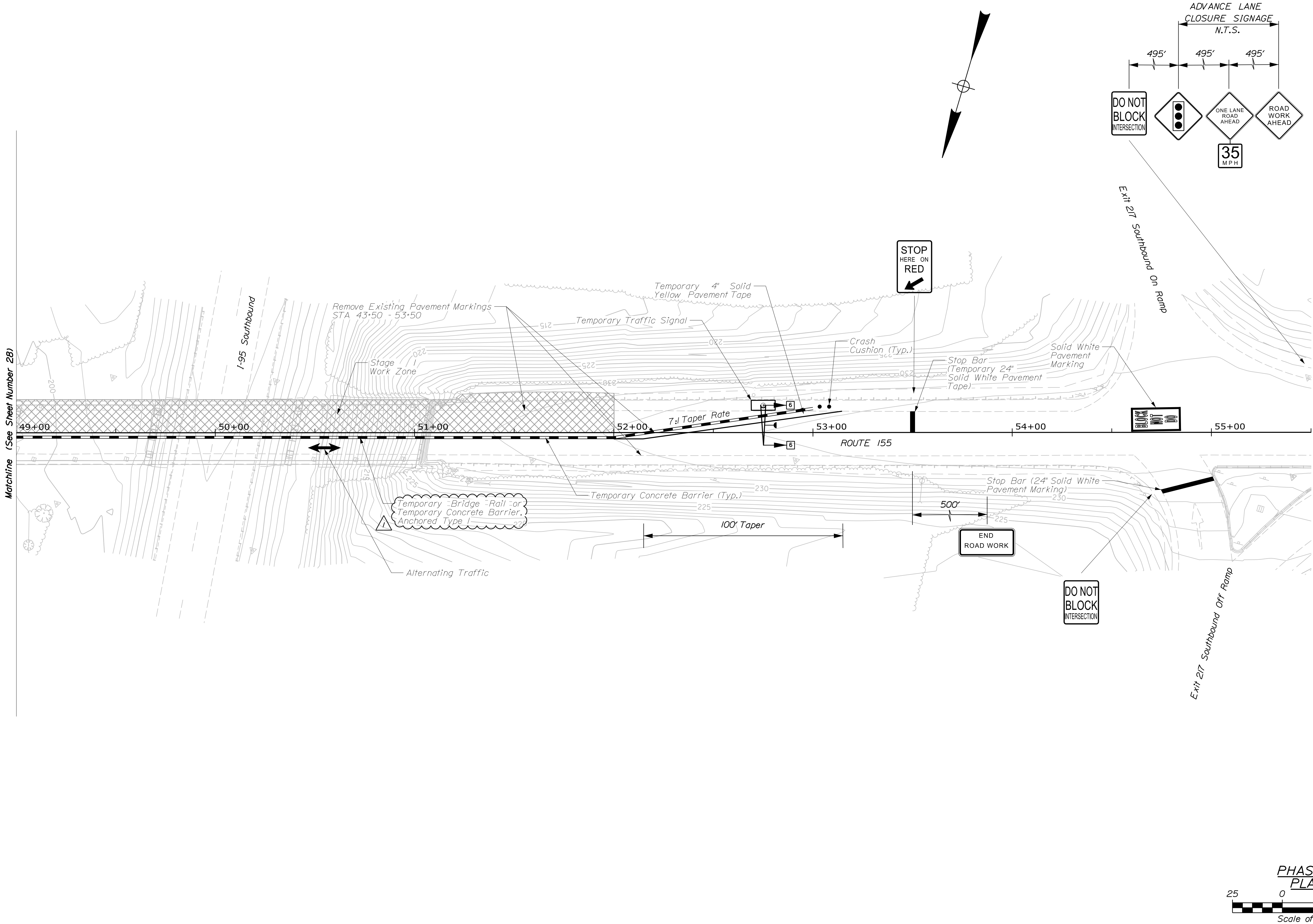


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. 2563114
WIN
BRIDGE NO. 6068
WIN 25631.14
BRIDGE PLANS

ROUTE 155/I-95 BRIDGE
INTERSTATE 95
PENOBSCOT COUNTY
HOWLAND
TRAFFIC CONTROL PLANS

SHEET NUMBER
28
OF 31

PROJ. MANAGER	J. BRASKY	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	S. LINDSEY	E. MORRISON	08-24			
CHECKED-REVIEWED	D. WHITE	B. COLBURN	08-24			
DESIGNS-DETAILED	J. FITZ	N. EDMAN	08-24			
DESIGNS-DETAILED	Added Opt. Temp. Brg. Rail		9-24			
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
PROJECT NO. 2563114		BRIDGE NO. 6068	
WIN		WIN 25631.14	
BRIDGE PLANS		BRIDGE PLANS	
ROUTE 155\I-95 BRIDGE		SHEET NUMBER	
INTERSTATE 95		29	
HOWLAND		OF 31	
PENOBSCOT COUNTY		TRAFFIC CONTROL PLANS	
PROJ. MANAGER		DESIGN-DETAILED	
J. BRASK		S. LINDSLEY	
BY		E. MORRISON	
DATE		08-24	
CHECKED-REVIEWED		D. WHITE	
DESIGN-DETAILED		B. COLBURN	
J. FITZ		08-24	
N. EDMAN		08-24	
REVISIONS 1		Added Opt. Temp. Brg. Rail	
REVISIONS 2		9-24	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE			