

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

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WATERBORO-LIMERICK
YORK COUNTY
LEDGEMERE STATION BRIDGE
OVER
LITTLE OSSIPEE RIVER
NEW DAM ROAD
FEDERAL PROJECT NO. 2708200
BRIDGE NO. 1203

MATERIALS

Concrete: _____
Headers: _____ Class "LP"

UTILITIES

CMP
Charter Communications
Consolidated Communications
Gonetspeed
Town of Limerick
Town of Waterboro

TRAFFIC DATA

Current (2023) AADT	1310
Future (2043) AADT	1570
DHV - % of AADT	11%
Design Hour Volume	173
Heavy Trucks (% of AADT)	5%
Heavy Trucks (% of DHV)	2%
Directional Distribution (% of DHV)	65%
18 kip Equivalent P 2.0	17
18 kip Equivalent P 2.5	16
Design Speed (mph)	45

MAINTENANCE OF TRAFFIC

Maintain one 11'-0" wide lane of alternating one - way traffic using temporary traffic signals.

BASIC DESIGN STRESSES

Concrete: _____
Class "LP" _____ f'c = 5,000 psi

PROJECT LOCATION	Ledgemere Station Bridge (#1203) over Little Ossipee River. Located on the Waterboro-Limerick town line Lat./Long. 43°39'55" N 70°43'18" W
PROGRAM AREA	Bridge Program
OUTLINE OF WORK	Wearing Surface Replacement

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	<i>[Signature]</i>	8-12-24
CHIEF ENGINEER:	<i>[Signature]</i>	8-12-24



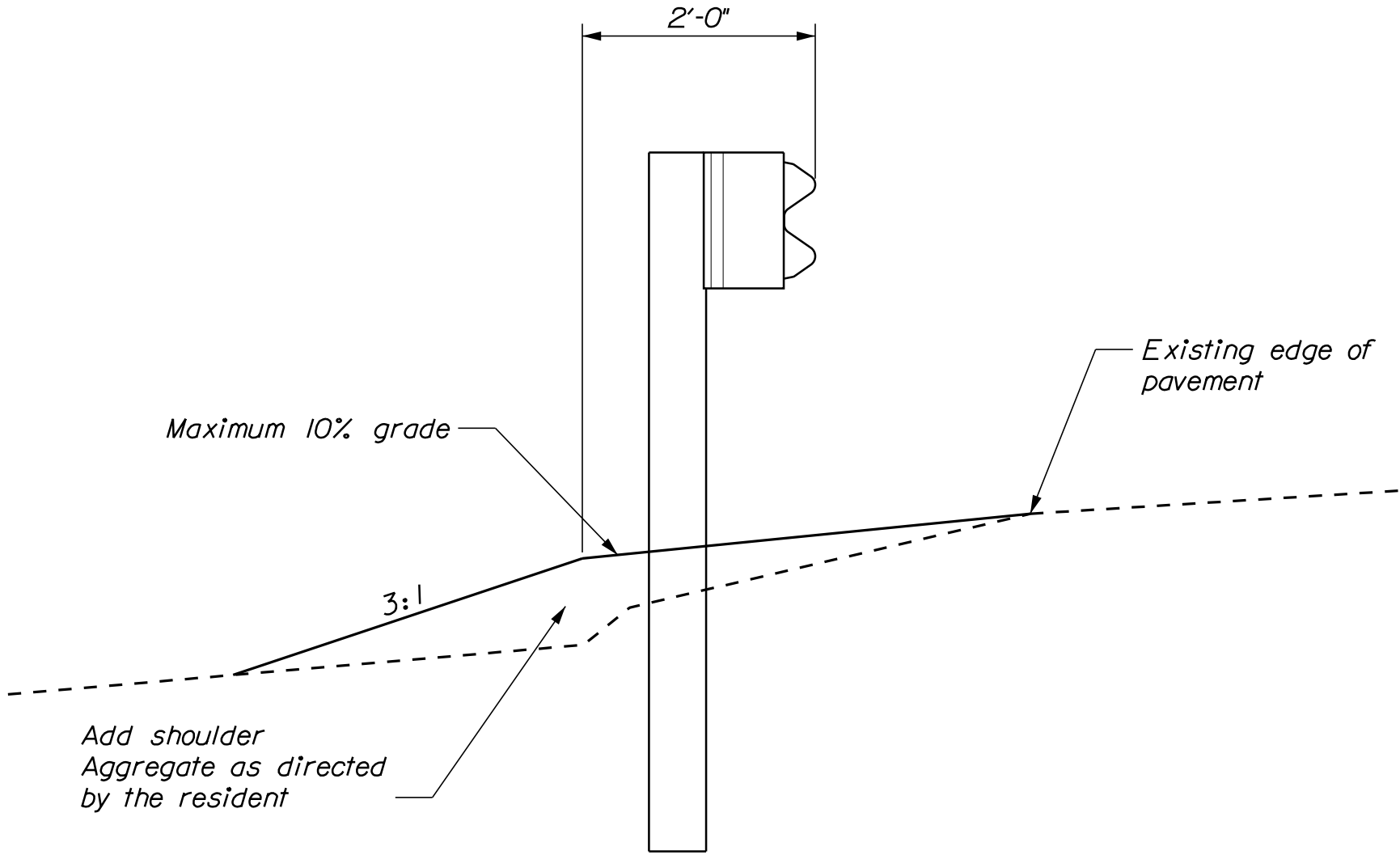
PROJECT INFORMATION	BRIDGE	B. NICHOLS	J. PAUL
PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT
PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE	

WATERBORO-LIMERICK
LEDGEMERE STATION BRIDGE
TITLE SHEET

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	190	SY
202.30	REMOVING EXISTING CONCRETE WEARING SURFACE (380 SY)	1	LS
204.201	ADD SHOULDER AGGREGATE TO EXISTING SHOULDER	150	SY
403.2101	HOT MIX ASPHALT 9.5 MM POLYMER MODIFIED SURFACE	16	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	22	T
409.15	BITUMINOUS TACK COAT - APPLIED	50	G
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (50 SY)	1	LS
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	360	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	110	SF
520.243	BRIDGE JOINT MODIFICATION TYPE 3	1	EA
527.34	WORK ZONE CRASH CUSHIONS	2	UN
606.1301	31" W-BM GR, MID-WAY SPLICE-SGL FACED	200	LF
606.1303	31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	75	LF
606.1722	BRIDGE TRANSITION - TYPE II	4	EA
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	3	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
606.78	LOW VOLUME GUARDRAIL END - TYPE 3	1	EA
627.18	12" SOLID WHITE PAVEMENT MARKING	30	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	600	LF
627.77	REMOVING PAVEMENT MARKINGS	50	SF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	20	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.20	FIELD OFFICE TYPE C	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	20	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	500	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	250	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors>
2. The existing bridge plans may be accessed at the MaineDOT web address. 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.
3. 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 Specifications Section 109.7, Equitable Adjustments to Compensation and Time.
4. Protective Coating for Concrete Surfaces shall be applied to the following areas:
- Fascias down to the drip notch,
Remaining concrete wearing surfaces,
Transition barriers.



ADD SHOULDER AGGREGATE TYPICAL SECTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2708200

WIN
27082.00

BRIDGE NO. 1203
BRIDGE PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

Brian Nichols
Jacob Proul
JTP
CAG

DATE
6/5/24
7/17/24

SIGNATURE
P.E. NUMBER
DATE

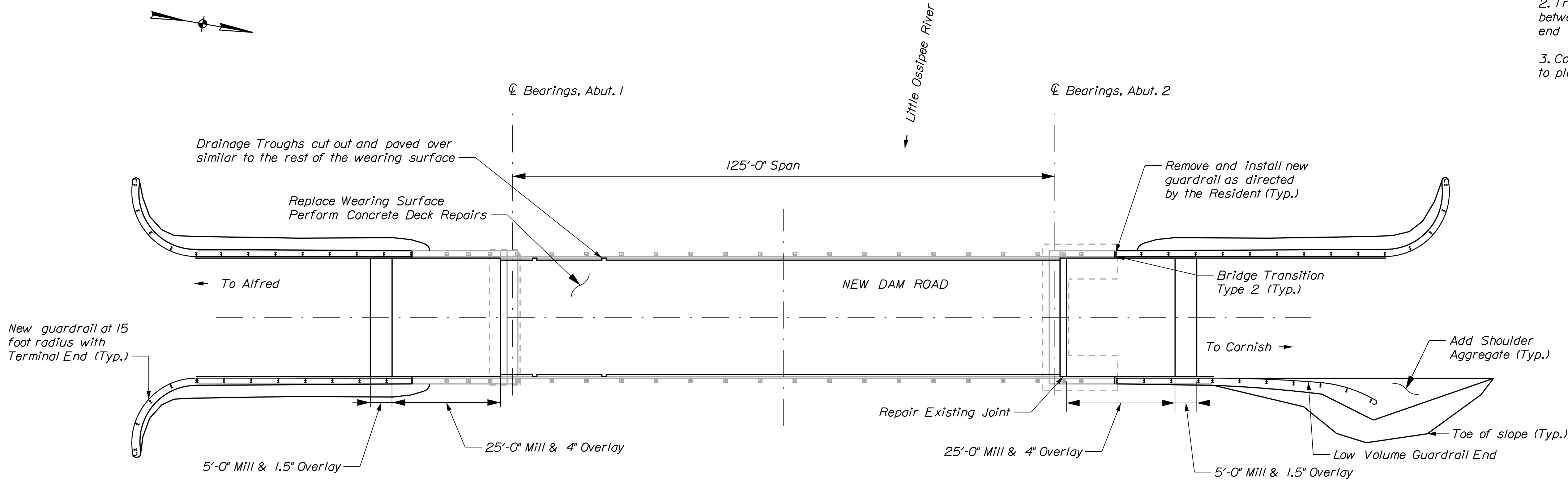
LEDGERMERE STATION BRIDGE
OSSIPPEE RIVER
WATERBORO-LIMERICK YORK COUNTY

ESTIMATED QUANTITIES
& GENERAL NOTES

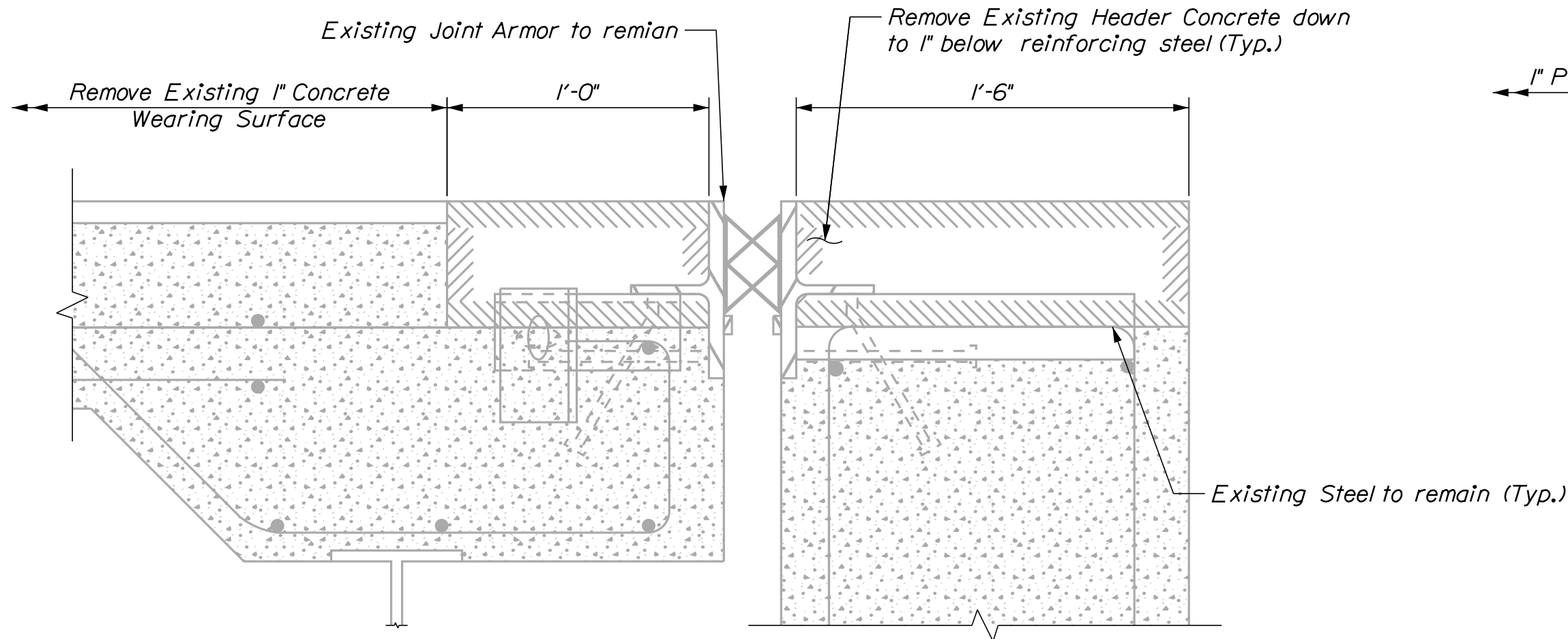
SHEET NUMBER

2

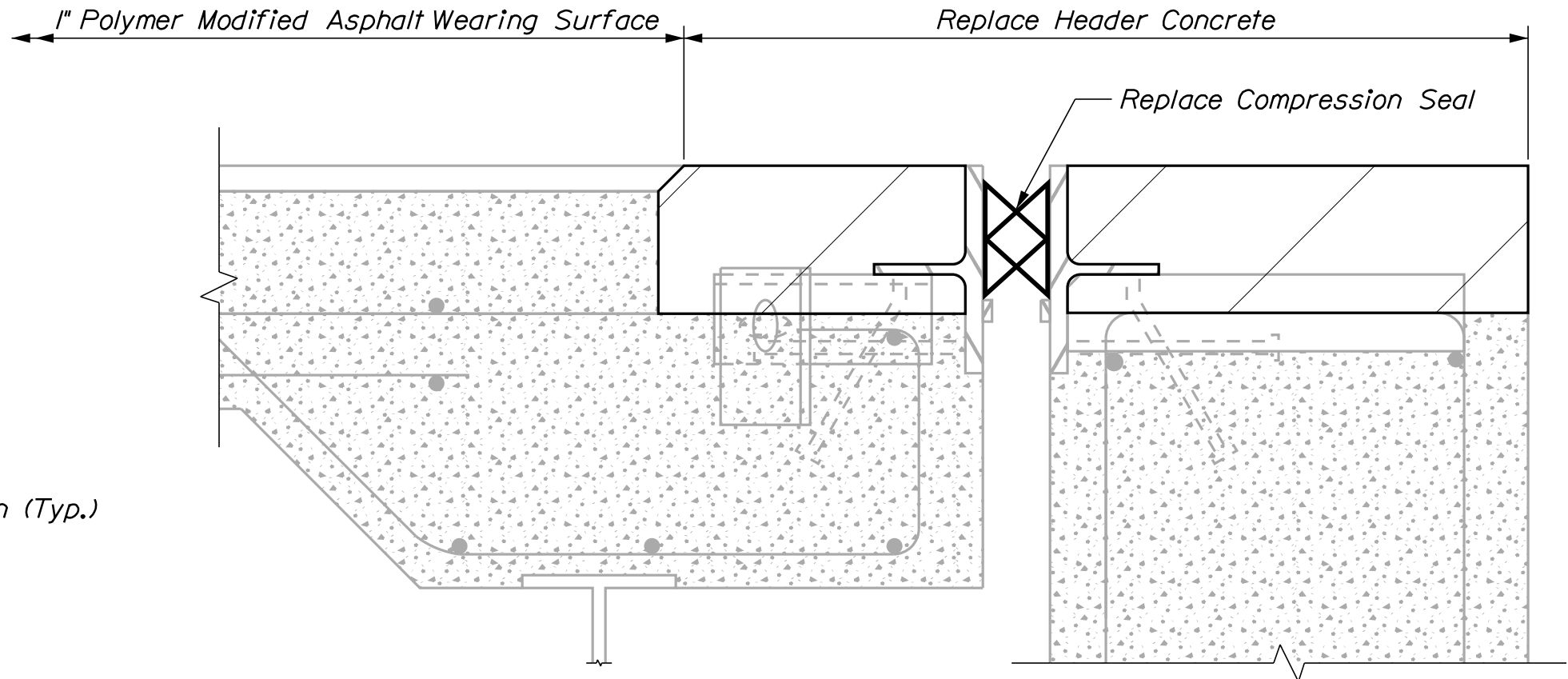
OF 5



PLAN



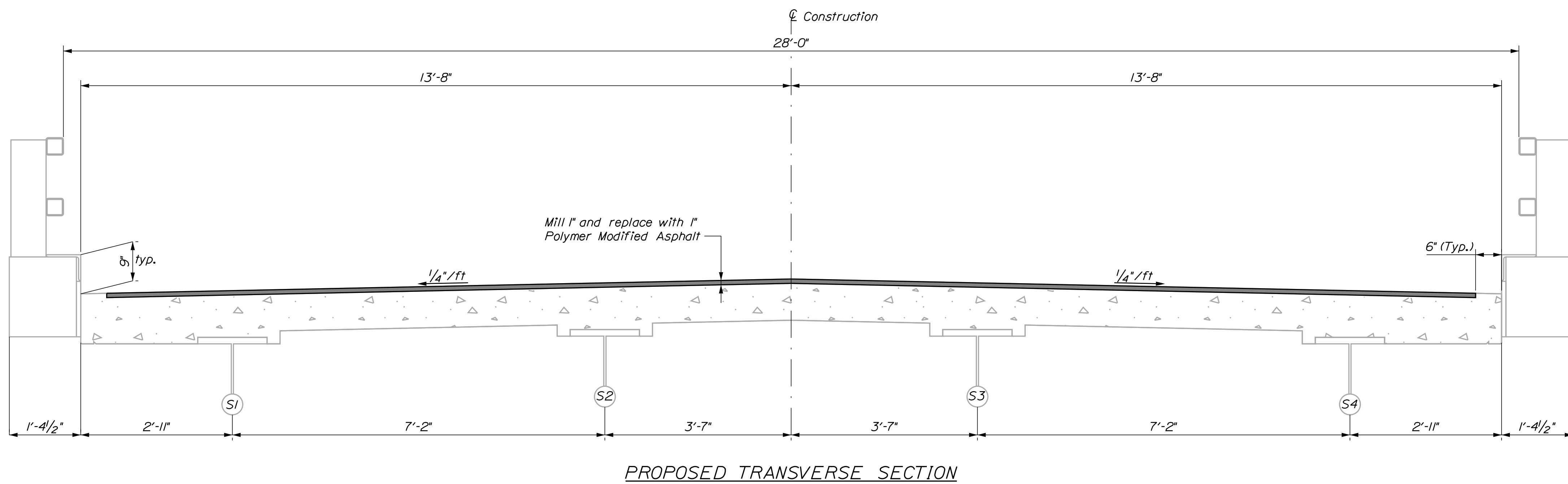
DEMOLITION DETAIL



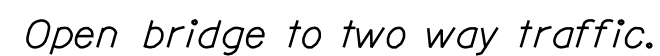
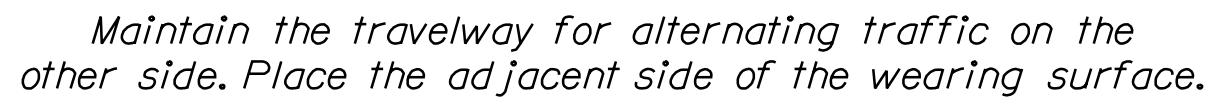
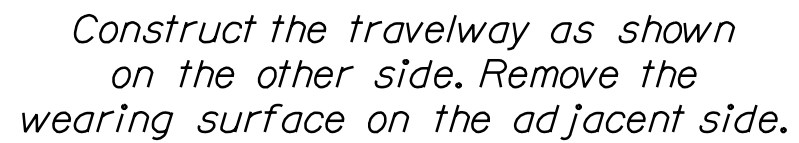
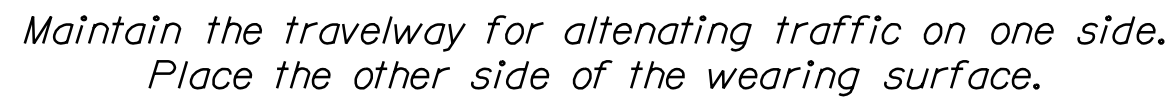
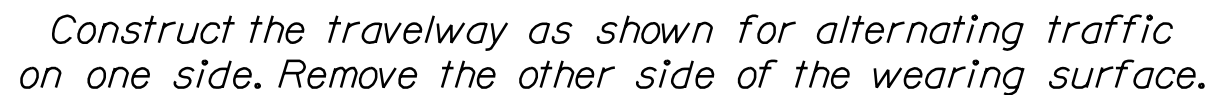
JOINT MODIFICATION - TYPE 3

- NOTES:
1. The method for removing concrete wearing surface for four drainage troughs, two each side, shall be approved by the Resident. Payment for the drainage troughs will be considered incidental to Pay Item No. 202.30, Removing Existing Concrete Wearing Surface
 2. Troughs to be placed roughly centered between bridge rail posts on the south end of the bridge.
 3. Concrete deck repairs to be done prior to placing new wearing surface

LEDGERMERE STATION BRIDGE OSSIPPEE RIVER WATERBORO-LIMERICK YORK COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2708200		WIN 27082.00		BRIDGE NO. 1203 BRIDGE PLANS	
	SHEET NUMBER		3		OF 5			
	GENERAL PLAN		SIGNATURE		P.E. NUMBER		DATE	



SHEET NUMBER 4 OF 5	LEDGEMERE STATION BRIDGE OSSIPPEE RIVER WATERBORO-LIMERICK YORK COUNTY				PROJ. MANAGER Brian Nichols	BY Jacob Proff	DATE 6/5/24
	TYPICAL BRIDGE SECTIONS				DESIGN-DETAILED CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	JTP GAC	7/17/24
STATE OF MAINE DEPARTMENT OF TRANSPORTATION SIGNATURE P.E. NUMBER DATE BRIDGE NO. 1203 WIN 27082.00 BRIDGE PLANS							



OF 5	SHEET NUMBER	LEDGERMERE STATION BRIDGE				PROJ. MANAGER	Brian Nichols	BY	DATE		
		OSSIPEE RIVER				DESIGN-DETAILED	Jacob Proff	J/P	6/5/24		
		WATERBORO-LIMERICK YORK COUNTY				CHECKED-REVIEWED	BAN	CAC	7/17/24		
						DESIGN2-DETAILED2			SIGNATURE		
						DESIGN3-DETAILED3			P.E. NUMBER		
						REVISIONS 1					
						REVISIONS 2					
						REVISIONS 3					
						REVISIONS 4			DATE		
						FIELD CHANGES					
BRIDGE NO. 1203									WIN	27082.00	BRIDGE PLANS
STATE OF MAINE									DEPARTMENT OF TRANSPORTATION		
									2708200		