

# Maine Department of Transportation FY 2024 Competitive Highway Bridge Program Off-System Bridge Investment Project Concept Plans



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

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

DESIGN LOADING

Live Load..... HL - 93 Modified for Strength 1

TRAFFIC DATA

Varies per location, refer to NBI data for traffic volumes. Additional information to be compiled during design phase, not available at this time.

HYDROLOGIC DATA

Data to be compiled and collected during design phase, not available at this time.

MATERIALS

Concrete:  
Curbs & Transition Barriers.....Class "LP"  
Precast..... Class "P"  
All Other.....Class "A"

Reinforcing Steel:  
Plain Reinforcing Steel.....ASTM A 615, Grade 60  
Low-Carbon Chromium..... ASTM A 1035, Type CS, Grade 100  
Glass Fiber Reinforced Polymer (GFRP)..... ASTM D7957  
Prestressing Strands.....AASHTO M 203 (ASTM A 416),  
Grade 270, Low Relaxation

BASIC DESIGN STRESSES

Concrete:  
Concrete, Class "A"..... f 'c = 4,000 psi  
Concrete, Class "P"..... f 'ci = 6,500 psi  
..... f 'c = 8,000 psi  
Concrete, Class "LP"..... f 'c = 5,000 psi

Reinforcing:  
Plain Reinforcing Steel..... f y = 60,000 psi  
Low-Carbon Chromium Reinforcing Steel..... f y = 100,000 psi  
Prestressing Strands..... F μ = 270,000 psi  
Glass Fiber Reinforced Polymer:  
#5 Bar..... f fu = 100,000 psi  
#6 Bar..... f fu = 100,000 psi  
#7 Bar..... f fu = 95,000 psi  
#8 Bar..... f fu = 90,000 psi  
Minimum Elastic Modulus..... E = 6,150,000 psi  
Minimum Nominal Design Tensile Strain..... e fu = 1.226%

LIST OF DRAWINGS

Title Sheet ..... 1  
Location Map.....2  
General Plans..... 3-13  
Abutment Details.....14-17  
Typical Sections.....18-19

OFF-SYSTEM  
BRIDGE BUNDLE  
PLANNING STUDY  
CONCEPT PLANS FOR  
STANDARDIZED DESIGN

11 BRIDGE LOCATIONS

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025



PROJECT LOCATION:	Varies, see location map
PROGRAM AREA:	Planning
OUTLINE OF WORK:	Conceptual plans for bridge replacement standardized design details to support grant application development.

OFF-SYSTEM BRIDGE BUNDLE		PROJECT INFORMATION		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		PROGRAM	PLANNING		
TITLE SHEET		PROJECT MANAGER	ANDREW BICKMORE	SIGNATURE	
		DESIGNER	RICH TETREAU T	P.E. NUMBER	
		CONSULTANT	HNTB	DATE	
		PROJECT RESIDENT			
		CONTRACTOR			
		PROJECT COMPLETION DATE			
SHEET NUMBER					
1					
OF 19					

Date:3/12/2025

Username:

Division:

Filename001\_Title.dgn



Date: 3/12/2025

Username:

Division:

Filename: 002\_Location Map.dgn



CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

BRIDGE LOCATIONS  
11 Bridges



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
CONCEPT PLANS		PLANNING PHASE	
OFF-SYSTEM BRIDGE BUNDLE		LOCATION MAP	
SHEET NUMBER		2	
OF 19			
PROJ. MANAGER	R. Tetreault	BY	DATE
DESIGN-DETAILED	J. McCauley	E. Benoit	04/2024
CHECKED-REVIEWED	K. Brophy	J. O'Neil	04/2024
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES		DATE	
SIGNATURE		P.E. NUMBER	





**BRIDGE NOTES:**  
AADT = 101  
Bypass Detour = 100 Miles  
MOT = Temporary Bridge

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - HOWARD ROAD OVER WEST BRANCH CARRABASSET RIVER  
Bridge #0382



STATE OF MAINE DEPARTMENT OF TRANSPORTATION					SIGNATURE
CONCEPT PLANS					P.E. NUMBER
PLANNING PHASE					DATE
SHEET NUMBER  3  OF 19	HOWARD ROAD WEST BRANCH CARRABASSET RIVER FRANKLIN SALEM TOWNSHIP				
	PLAN				
	DESIGN-DETAILED				
	CHECKED-REVIEWED				
	DESIGN2-DETAILED2				
	DESIGN3-DETAILED3				
	REVISIONS 1				
	REVISIONS 2				
	REVISIONS 3				
	REVISIONS 4				
FIELD CHANGES					





EXISTING BRIDGE ELEVATION

**BRIDGE NOTES:**  
AADT = 127  
Bypass Detour = 6 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - MACE ROAD OVER MCGURDY STREAM  
Bridge #0561



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	PROJ. MANAGER		R. Tetreault	BY	E. Benoit	DATE	04/2024
	DESIGN-DETAILED		J. McCauley	SIGNATURE			
	CHECKED-REVIEWED		K. Brody	P.E. NUMBER			
	DESIGN-DETAILED			DATE			
CONCEPT PLANS	REVISIONS 1						
	REVISIONS 2						
	REVISIONS 3						
	REVISIONS 4						
PLANNING PHASE	FIELD CHANGES						

MACE ROAD  
MCGURDY STREAM  
CHESTERVILLE  
FRANKLIN  
PLAN

SHEET NUMBER  
4  
OF 19





**BRIDGE NOTES:**  
AADT = 599  
Bypass Detour = 0 Miles  
MOT = Temporary Bridge

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - KENNEBEC RIVER ROAD OVER MARTIN STREAM  
Bridge #2090



KENNEBEC RIVER ROAD MARTIN STREAM SOMERSET	PROJ. MANAGER	R. Tetreault	BY	DATE
	DESIGN DETAILED	J. McCoolley	E. Boudesbill	04/2024
	CHECKED-REVIEWED	K. Boyer	J. Oling	04/2024
	DESIGN DETAILED 2			
	DESIGN 3 DETAILED 3			
	REVISIONS 1			
	REVISIONS 2			
	REVISIONS 3			
	REVISIONS 4			
	FIELD CHANGES			
EMBDEN  PLAN	STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
	CONCEPT PLANS			
SHEET NUMBER	PLANNING PHASE			
	DATE			
5	SIGNATURE			
OF 19	P.E. NUMBER			



**BRIDGE NOTES:**  
AADT = 412  
Bypass Detour = 100 Miles  
MOT = Temporary Bridge

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - BURROUGH ROAD OVER LITTLE RIVER  
Bridge #2159



EXISTING BRIDGE ELEVATION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	BURROUGH ROAD LITTLE RIVER SAGADAHOC										PROJ. MANAGER	R. Tetreault	BY	DATE
											DESIGN-DETAILED	J. McCauley	E. Beausoleil	04/2024
											CHECKED-REVIEWED	K. Broyley	J. O'Neil	04/2024
											DESIGN2-DETAILED2			
											DESIGN3-DETAILED3			
CONCEPT PLANS	PLAN										REVISIONS 1			P.E. NUMBER
											REVISIONS 2			
											REVISIONS 3			
											REVISIONS 4			DATE
											FIELD CHANGES			
PLANNING PHASE														

6

OF 19





**BRIDGE NOTES:**  
AADT = 196  
Bypass Detour = 0 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - MAIN STREET OVER PLEASANT POND STREAM  
Bridge #2672



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
CONCEPT PLANS		WIN PLANNING PHASE	
MAIN STREET PLEASANT POND STREAM CARATUNK		SHEET NUMBER 2	
SOMERSET		PLAN	
DESIGN-DETAILED	J. McCauley	DATE	04/2024
CHECKED-REVIEWED	K. Broyer	BY	E. Benoit
DESIGN-DETAILED		DATE	04/2024
REVISIONS 1		SIGNATURE	
REVISIONS 2		P.E. NUMBER	
REVISIONS 3		DATE	
REVISIONS 4			
FIELD CHANGES			





**BRIDGE NOTES:**  
AADT = 170  
Bypass Detour = 6 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - HUFF ROAD OVER WESSERUNSETT STREAM  
Bridge #3420



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	DATE		SIGNATURE
	PROJ. MANAGER	BY	
	CHECKED-REVIEWED	E. Benoit	
	DESIGN-DETAILED	J. O'Neil	
CONCEPT PLANS	P.E. NUMBER		DATE
	DESIGN-DETAILED		
	REVISIONS 1		
	REVISIONS 2		
PLANNING PHASE	REVISIONS 3		
	REVISIONS 4		
	FIELD CHANGES		

HUFF ROAD  
WESSERUNSETT STREAM  
SOMERSET  
CORNVILLE  
PLAN

SHEET NUMBER  
8  
OF 19





CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - PLEASANT POND ROAD OVER PLEASANT POND STREAM  
Bridge #3921



STATE OF MAINE DEPARTMENT OF TRANSPORTATION					SIGNATURE
CONCEPT PLANS					P.E. NUMBER
PLANNING PHASE					DATE
PLEASANT POND ROAD					
PLEASANT POND STREAM					
CARATUNK					
SOMERSET					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
PLAN					
SHEET NUMBER					
9					
OF 19					





**BRIDGE NOTES:**  
AADT = 1089  
Bypass Detour = 1 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - CATHANCE ROAD OVER CATHANCE RIVER  
Bridge #5/23



SHEET NUMBER		TOPSHAM		CATHANCE ROAD		CATHANCE RIVER		SAGADAHOC		STATE OF MAINE	
										DEPARTMENT OF TRANSPORTATION	
10		OF 19		PLAN		PROJ. MANAGER		R. Tetreault	BY	DATE	
						DESIGN-DETAILED		J. McCauley	E. Beausoleil	04/2024	
						CHECKED-REVIEWED		K. Bralley	J. Olund	04/2024	
						DESIGN2-DETAILED2					
						DESIGN3-DETAILED3					
						REVISIONS 1		P.E. NUMBER			
						REVISIONS 2					
						REVISIONS 3					
						REVISIONS 4		DATE			
						FIELD CHANGES					
										CONCEPT PLANS	
										PLANNING PHASE	





CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - BALD MOUNTAIN ROAD OVER MOOSEHORN CREEK  
Bridge #5494



STATE OF MAINE		PROJ. MANAGER	R. Tetreault	BY	E. Benoit	DATE	04/2024
DEPARTMENT OF TRANSPORTATION		CHECKED-REVIEWED	J. McCauley			SIGNATURE	
CONCEPT PLANS		DESIGN DETAIL	K. Brophy			P.E. NUMBER	
PLANNING PHASE		REVISIONS 1				DATE	
		REVISIONS 2					
		REVISIONS 3					
		REVISIONS 4					
		FIELD CHANGES					
BALD MOUNTAIN ROAD		HANCOCK					
MOOSEHORN CREEK		ORLAND					
PLAN		SHEET NUMBER					
		11					
		OF 19					





EXISTING BRIDGE ELEVATION

**BRIDGE NOTES:**  
AADT = 600  
Bypass Detour = 3 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

PLAN - FULLER ROAD OVER HARVEY BROOK  
Bridge #5505



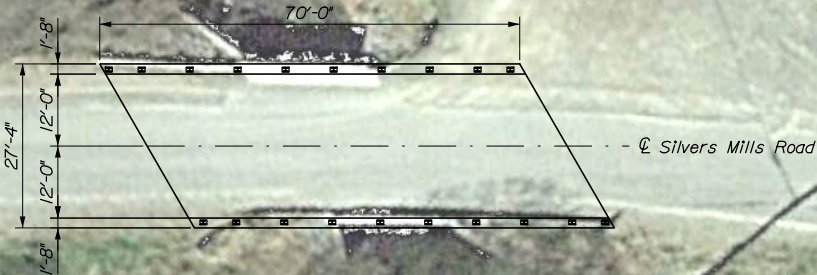
SHEET NUMBER		FULLER ROAD HARVEY BROOK CARMEL		PENOBSCOT		PROJ. MANAGER		R. Tetreault	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
						DESIGN-DETAILED		J. McCauley	E. Beausoleil	04/2024	
12		PLAN		REVISIONS 1		CHECKED-REVIEWED		K. Broyley	J. Oulind	04/2024	CONCEPT PLANS
						DESIGN2-DETAILED2				SIGNATURE	
						DESIGN3-DETAILED3					
						REVISIONS 2					
						REVISIONS 3					
OF 19						REVISIONS 4				DATE	PLANNING PHASE
						FIELD CHANGES					





**BRIDGE NOTES:**  
AADT = 103  
Bypass Detour = 3 Miles  
MOT = Bridge Closure with Offsite Detour

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025



PLAN - SILVERS MILLS ROAD OVER FRENCH MILLS BROOK  
Bridge #5559



EXISTING BRIDGE ELEVATION

**NOTES:**  
1. Curb and railing are in good condition due to recent repair project, however remainder of superstructure and substructure condition are fair to poor condition. Discussion warranted could justify leaving existing bridge due to recent repair investment.



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SILVERS MILLS ROAD FRENCH MILLS BROOK PISCATAQUIS		PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	R. Tetreault J. McCauley E. Benoit J. O'Neil	BY E. Benoit J. O'Neil	DATE 04/2024 04/2024	SIGNATURE
	SANGERVILLE		DESIGN-DETAILED	K. Brody			P.E. NUMBER
	PLAN		REVISIONS 1				DATE
	SHEET NUMBER		REVISIONS 2				
CONCEPT PLANS	13		REVISIONS 3				
PLANNING PHASE	OF 19		REVISIONS 4				



Date:3/12/2025

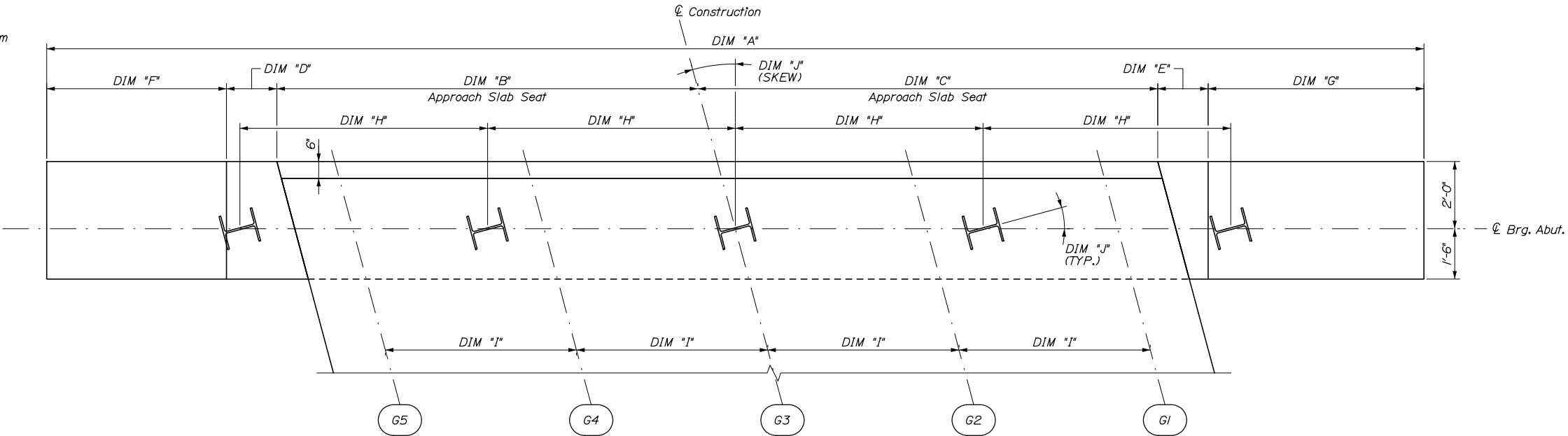
Username:

Division:

Filename: 014\_Abutment Details 1 - IAB.dgn

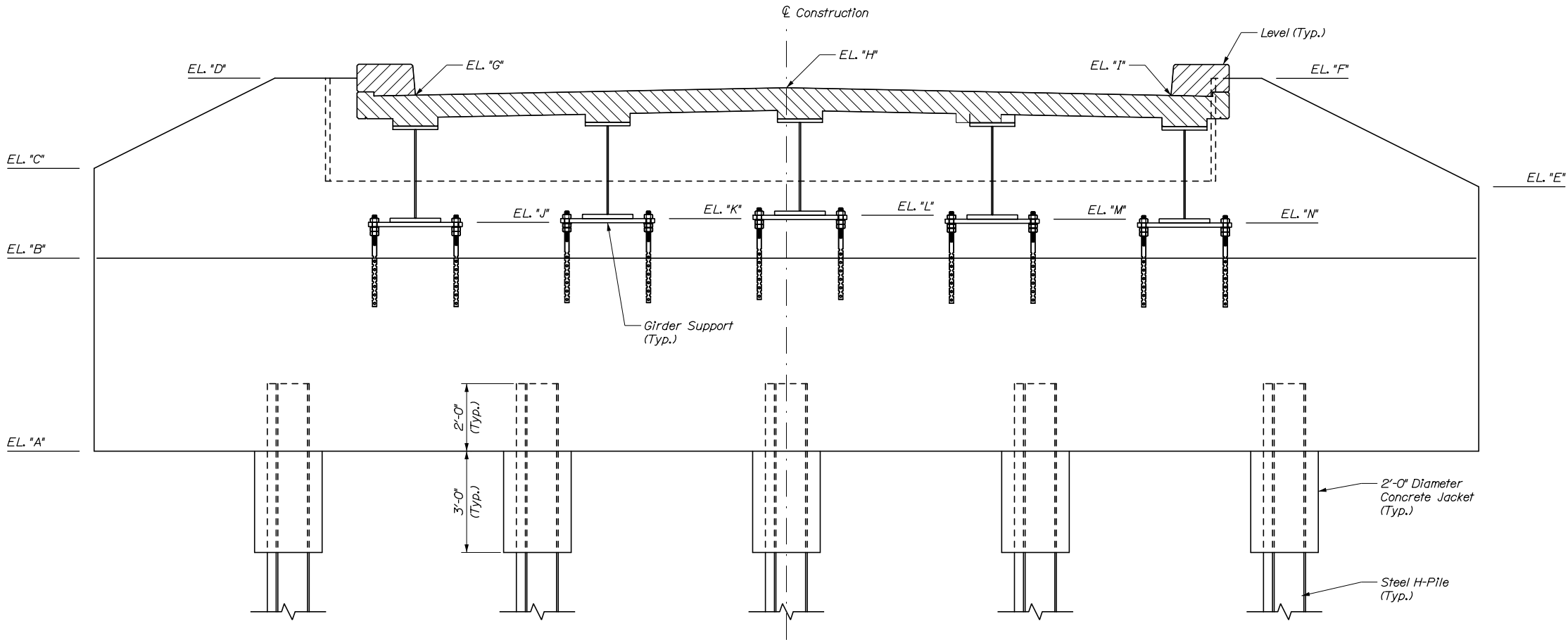
Notes:

1. Integral abutment bridges shall conform to typical MaineDOT geometrics such as 3' thickness and other typical detailing that will be consistent between bridges.
2. Details show steel girders for the integral abutments. Other superstructure types anticipated to be similar.



ABUTMENT PLAN - INTEGRAL ABUTMENT

ABUTMENT DIMENSIONS											
Bridge	Abutment	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"	DIM "I"	DIM "J"
*XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.									
	No. 2										



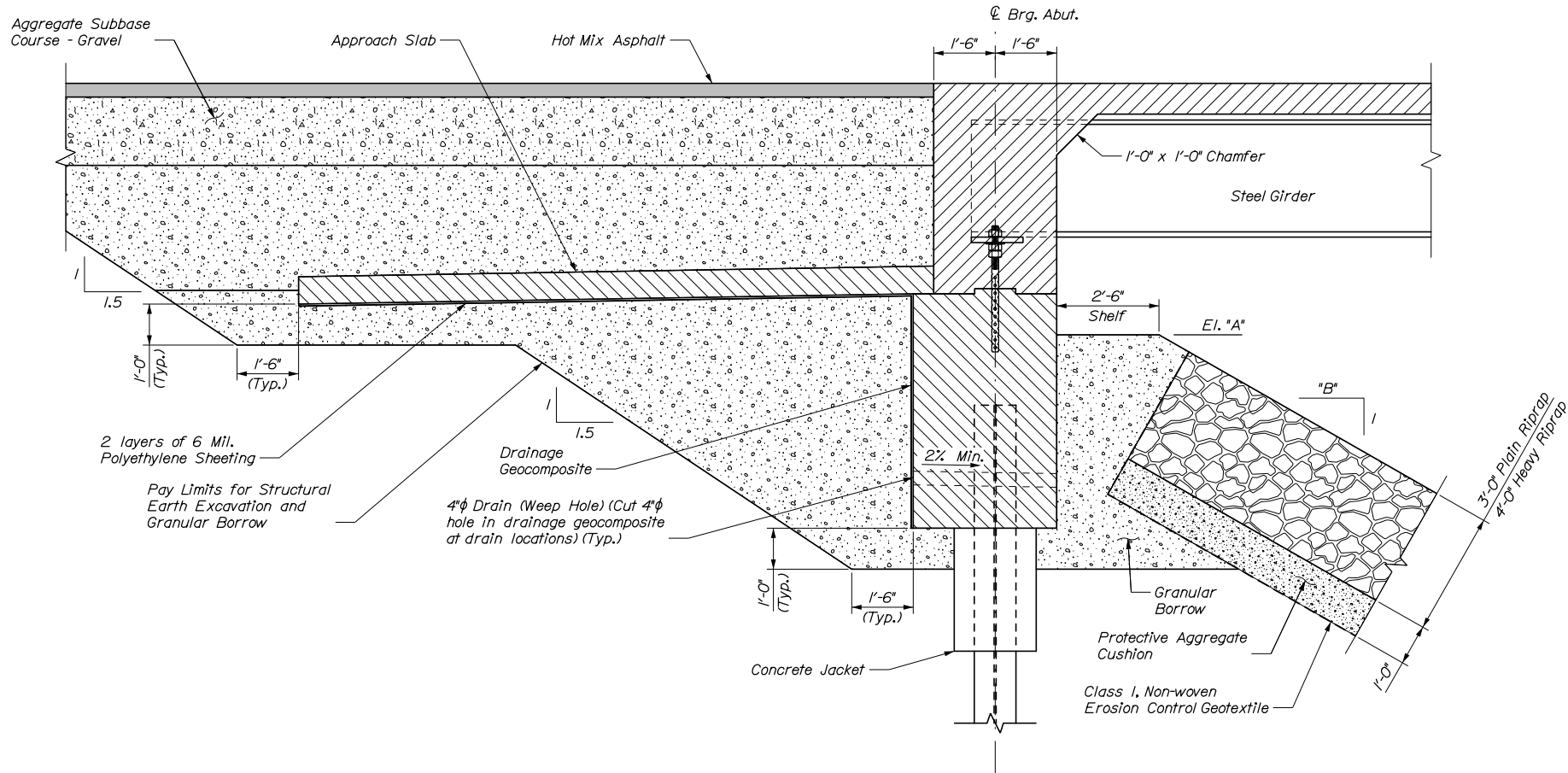
ABUTMENT ELEVATION - INTEGRAL ABUTMENT

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

ABUTMENT DIMENSIONS														
Bridge	Abutment	EL. "A"	EL. "B"	EL. "C"	EL. "D"	EL. "E"	EL. "F"	EL. "G"	EL. "H"	EL. "I"	EL. "J"	EL. "K"	EL. "L"	EL. "M"
*XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.												
	No. 2													

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	CONCEPT PLANS		PLANNING PHASE																																																
<table><tr><td>PROJ. MANAGER</td><td>R. Tetreault</td><td>BY</td><td>E. Benoit</td><td>DATE</td><td>04/2024</td></tr><tr><td>DESIGN-DETAILED</td><td>J. McCauley</td><td>CHECKED-REVIEWED</td><td>K. Broyley</td><td>SIGNATURE</td><td></td></tr><tr><td>DESIGN-DETAILED</td><td></td><td>DESIGN-DETAILED</td><td></td><td>P.E. NUMBER</td><td></td></tr><tr><td>REVISIONS 1</td><td></td><td>REVISIONS 1</td><td></td><td>DATE</td><td></td></tr><tr><td>REVISIONS 2</td><td></td><td>REVISIONS 2</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 3</td><td></td><td>REVISIONS 3</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 4</td><td></td><td>REVISIONS 4</td><td></td><td></td><td></td></tr><tr><td>FIELD CHANGES</td><td></td><td></td><td></td><td></td><td></td></tr></table>				PROJ. MANAGER	R. Tetreault	BY	E. Benoit	DATE	04/2024	DESIGN-DETAILED	J. McCauley	CHECKED-REVIEWED	K. Broyley	SIGNATURE		DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER		REVISIONS 1		REVISIONS 1		DATE		REVISIONS 2		REVISIONS 2				REVISIONS 3		REVISIONS 3				REVISIONS 4		REVISIONS 4				FIELD CHANGES					
PROJ. MANAGER	R. Tetreault	BY	E. Benoit	DATE	04/2024																																														
DESIGN-DETAILED	J. McCauley	CHECKED-REVIEWED	K. Broyley	SIGNATURE																																															
DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER																																															
REVISIONS 1		REVISIONS 1		DATE																																															
REVISIONS 2		REVISIONS 2																																																	
REVISIONS 3		REVISIONS 3																																																	
REVISIONS 4		REVISIONS 4																																																	
FIELD CHANGES																																																			
OFF-SYSTEM BRIDGE BUNDLE ABUTMENT DETAILS I INTEGRAL ABUTMENT																																																			
SHEET NUMBER 14 OF 19																																																			





INTEGRAL ABUTMENT BACKFILL DETAIL

ABUTMENT DIMENSIONS			
Bridge	Abutment	"A"	"B"
#XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.	
	No. 2		
#XXXX	No. 1		
	No. 2		
#XXXX	No. 1		
	No. 2		
#XXXX	No. 1		
	No. 2		
#XXXX	No. 1		
	No. 2		

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

CONCEPT PLANS

PLANNING PHASE

OFF-SYSTEM  
BRIDGE BUNDLE

ABUTMENT DETAILS II  
INTEGRAL ABUTMENT

SHEET NUMBER

15

OF 19

PROJ. MANAGER	R. Tetreault	BY	DATE
DESIGN-DETAILED	J. McCauley	E. Benoit	04/2024
CHECKED-REVIEWED	K. Broyley	J. O'Neil	04/2024
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

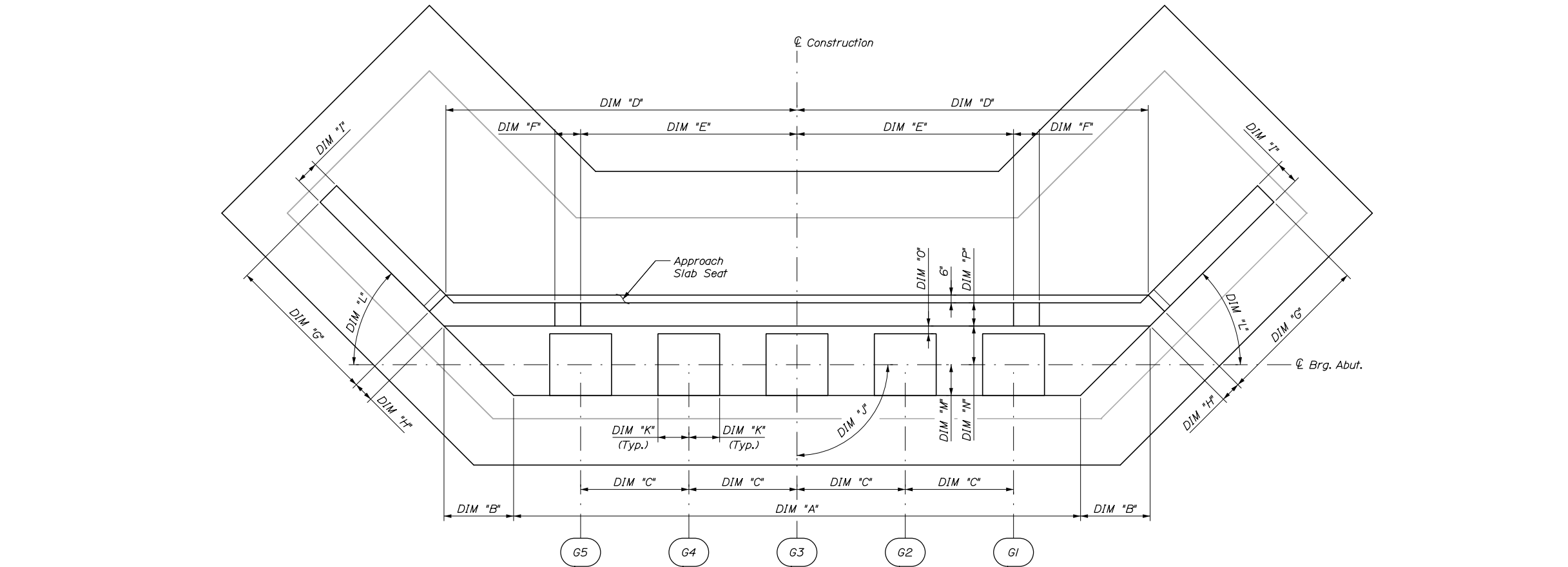


Date:3/12/2025

Username:

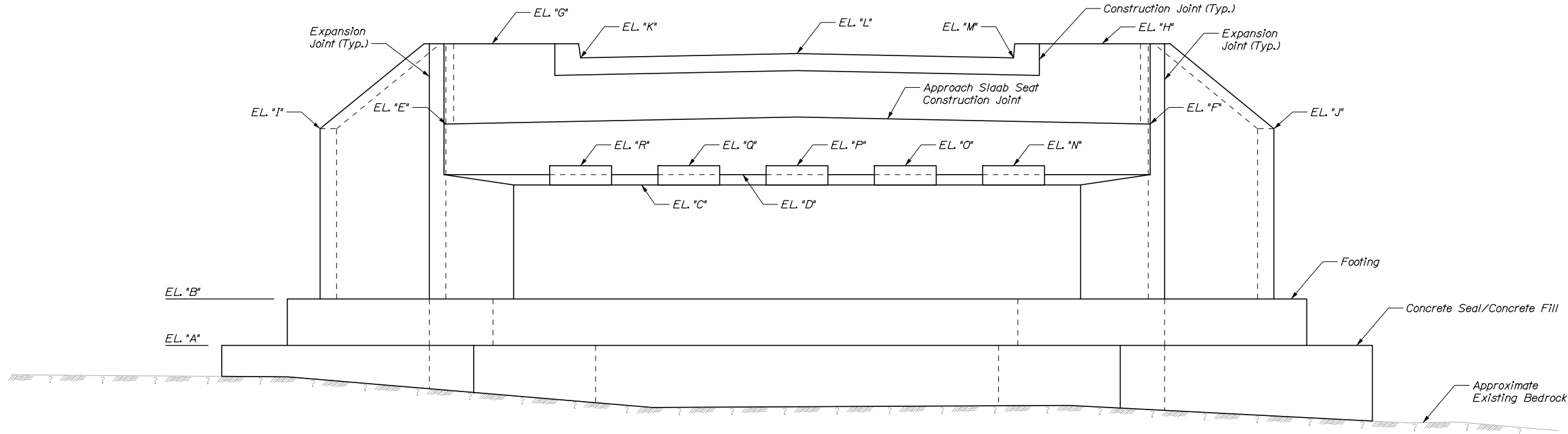
Division:

Filename: 016\_Abutment Details 1 - CONV.dgn



ABUTMENT PLAN - CONVENTIONAL ABUTMENT

ABUTMENT DIMENSIONS																	
Bridge	Abutment	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"	DIM "I"	DIM "J"	DIM "K"	DIM "L"	DIM "M"	DIM "N"	DIM "O"	DIM "P"
*XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.															
	No. 2																



ABUTMENT ELEVATION - CONVENTIONAL ABUTMENT

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

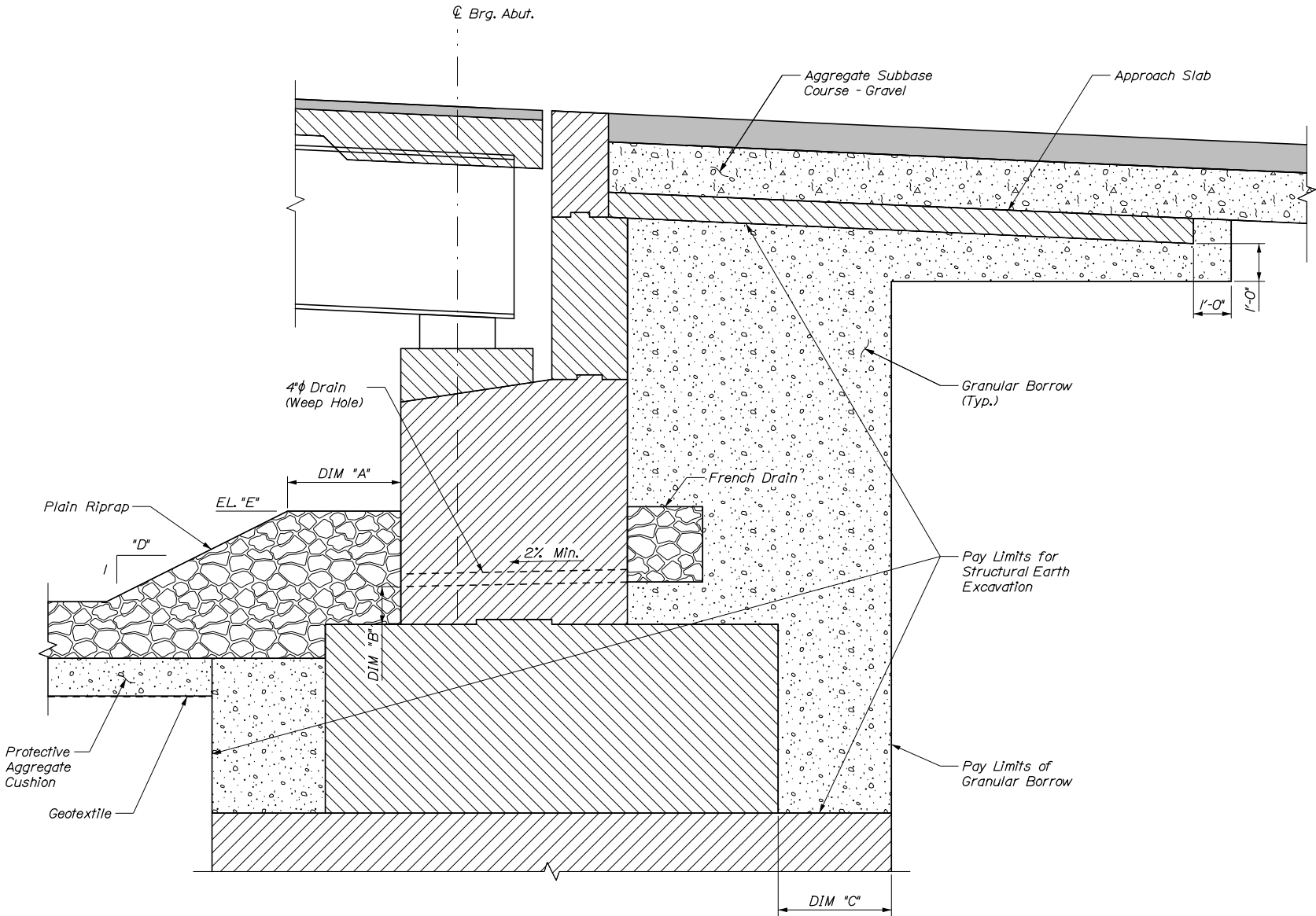
ABUTMENT DIMENSIONS																			
Bridge	Abutment	EL "A"	EL "B"	EL "C"	EL "D"	EL "E"	EL "F"	EL "G"	EL "H"	EL "I"	EL "J"	EL "K"	EL "L"	EL "M"	EL "N"	EL "O"	EL "P"	EL "Q"	EL "R"
*XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.																	
	No. 2																		

PROJ. MANAGER	R. Tetreault	BY	DATE
CHECKED-DESIGNED	J. McCauley	E. Benoit	04/2024
CHECKED-REVIEWED	K. Broyles	J. O'Neil	04/2024
DESIGN DETAIL			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE  
P.E. NUMBER  
DATE



CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025



CONVENTIONAL ABUTMENT BACKFILL DETAIL

ABUTMENT DIMENSIONS						
Bridge	Abutment	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
#XXXX	No. 1	Dimensions vary per bridge, to be filled out during preliminary/final design.				
	No. 2					



Date: 3/12/2025

Username:

Division:

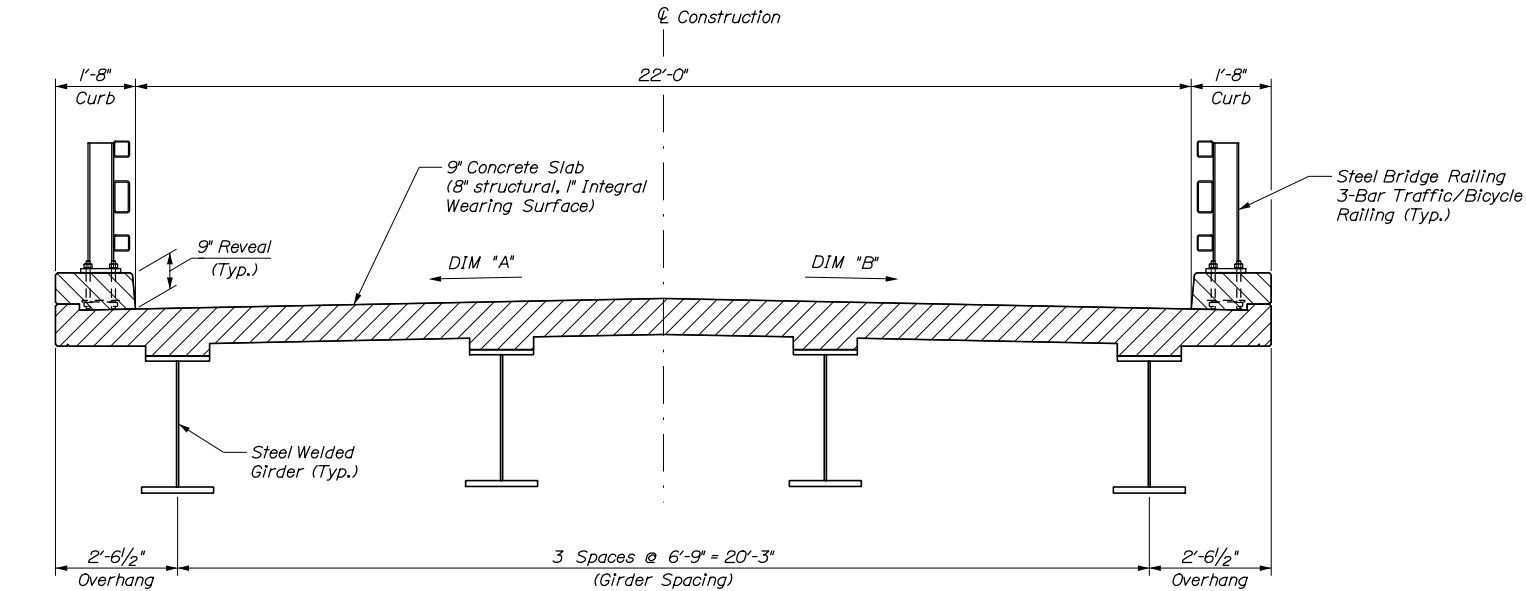
Filename: 01B\_Typical Section - Steel Girder.dgn

GENERAL NOTES ALL TYPICAL SECTIONS:

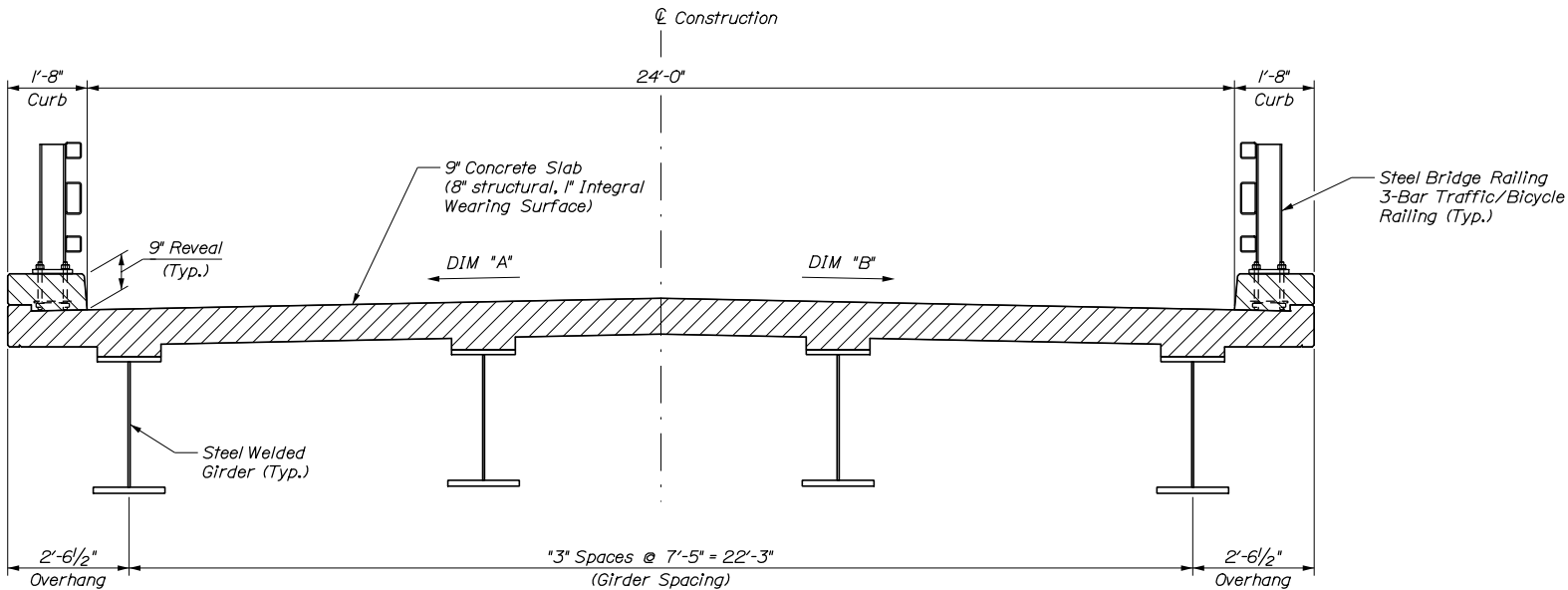
1. The following elements are anticipated to be standardized for all bridges either by the use of MaineDOT Standard Details, or Standard Detail Plan Sheets:
- Girders/Beams Details for each span length, including deflections
  - Deck reinforcing size and spacing
  - Bearings (elastomeric)
  - Diaphragms
  - Railing & Transitions
  - Joints (APJs)
  - Scuppers (if necessary)
2. The following elements are not anticipated to be standardized and will require unique plan sheets for each bridge:
- General Plan, Profile & Cross Sections
  - Boring Logs
  - Hydraulics & Traffic Data
  - Framing Plans & Deck Plans
  - Bottom of Slab & Camber
3. Majority of structures will be normal crown with 2% cross-slope. Some locations with require superelevation and geometrics will be tabulated to detail those locations in a later design phase.

STEEL GIRDER NOTES:

1. Two general typical section widths are anticipated, both with standard 1'-8" wide curbs and either a 22' travel width or a 24' travel width. The superstructure types for these two configurations are broken into Types A through B.



TYPICAL SECTION - TYPE A



TYPICAL SECTION - TYPE B

TYPICAL SECTION DIMENSIONS		
Bridge	DIM "A"	DIM "B"
*XXXX	Dimensions vary per bridge, to be filled out during preliminary/final design.	
*XXXX		
*XXXX		
*XXXX		
*XXXX		

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

CONCEPT PLANS

PLANNING PHASE

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

BY  
R. Tetreault  
J. McCauley  
E. Benoit  
J. O'Neil

DATE  
04/2024  
04/2024

SIGNATURE

P.E. NUMBER

DATE

OFF-SYSTEM  
BRIDGE BUNDLE

TYPICAL SECTION  
STEEL GIRDER

SHEET NUMBER

18

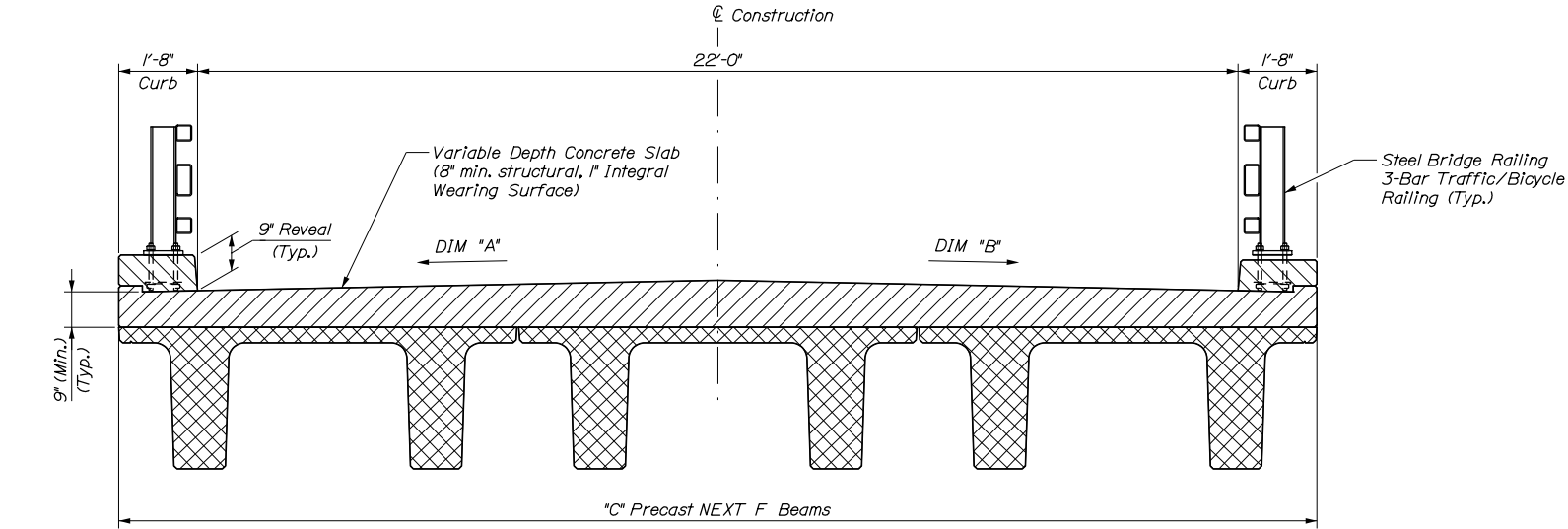
OF 19



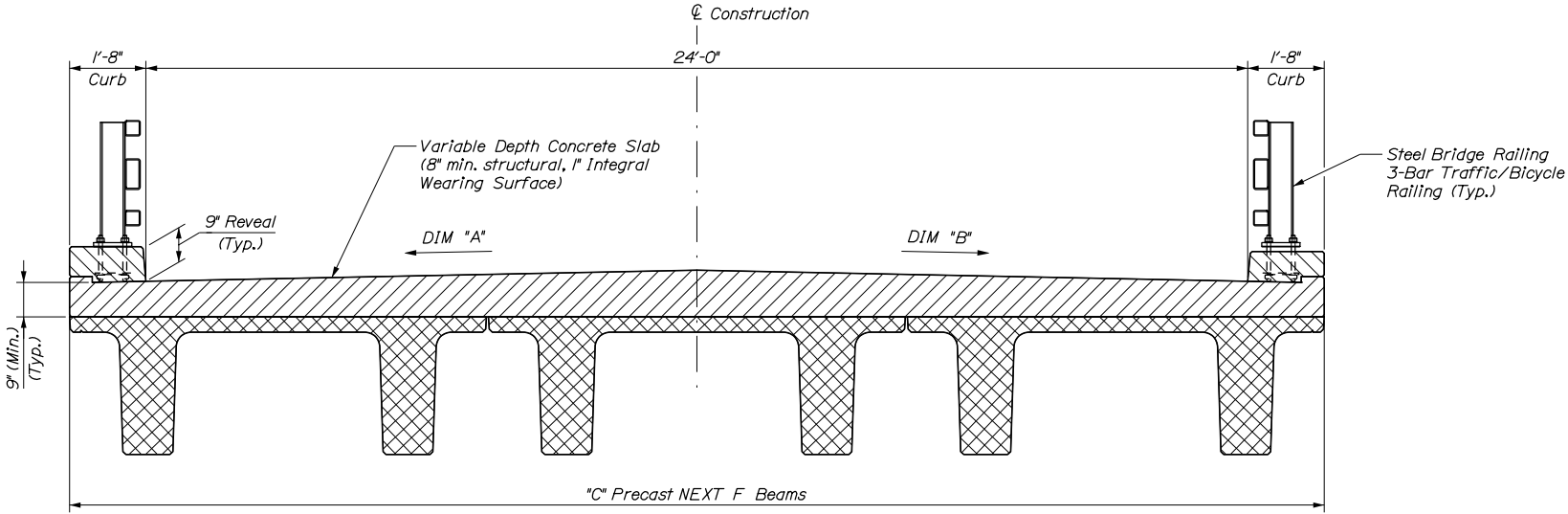
**NEXT BEAM NOTES:**

1. NEXT Beam 36F is assumed based on span lengths.

2. Two general typical section widths are anticipated, both with standard 1'-8" wide curbs and either a 22' travel width or a 24' travel width. The superstructure types for these two configurations are broken into Types C through D.



TYPICAL SECTION - TYPE C



TYPICAL SECTION - TYPE D

TYPICAL SECTION DIMENSIONS				
Bridge	BEAM SIZE	DIM "A"	DIM "B"	DIM "C"
*XXXX	Dimensions vary per bridge, to be filled out during preliminary/final design.			
*XXXX				
*XXXX				
*XXXX				

CONCEPT PLANS TO  
SUPPORT GRANT APPLICATION  
MARCH 13, 2025

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	CONCEPT PLANS		PLANNING PHASE				
OFF-SYSTEM BRIDGE BUNDLE TYPICAL SECTION NEXT BEAM		PROJ. MANAGER	R. Tetreault	BY	E. Benoit	DATE	04/2024
		CHECKED-REVIEWED	J. McCauley K. Brophy		J. O'Neil		04/2024
		DESIGN-DETAILED				SIGNATURE	
		DESIGN-DETAILED				P.E. NUMBER	
		REVISIONS 1				DATE	
		REVISIONS 2					
		REVISIONS 3					
SHEET NUMBER		19					
		OF 19					