

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

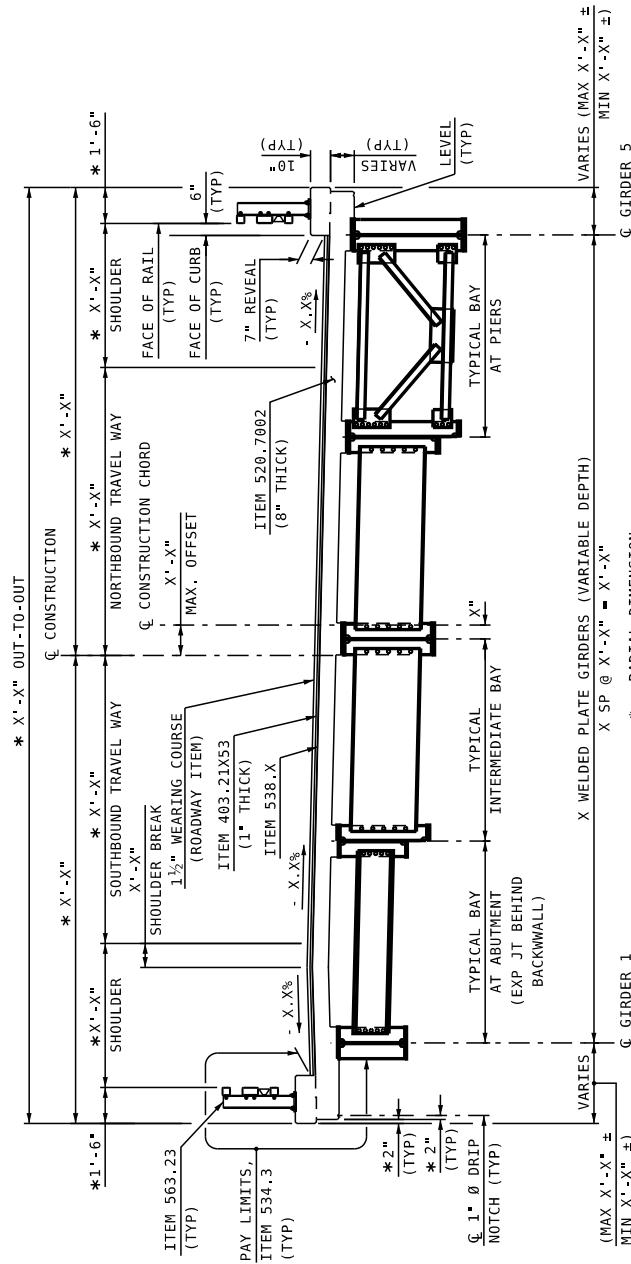


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
SUPERELEVATED/RADIAL DECK SECTION

DATE REVISED:
7/31/2023



WELDED PLATE GIRDER DECK SECTION

(SUPERELEVATED, RADIAL, ONE SHOULDER BREAK)

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

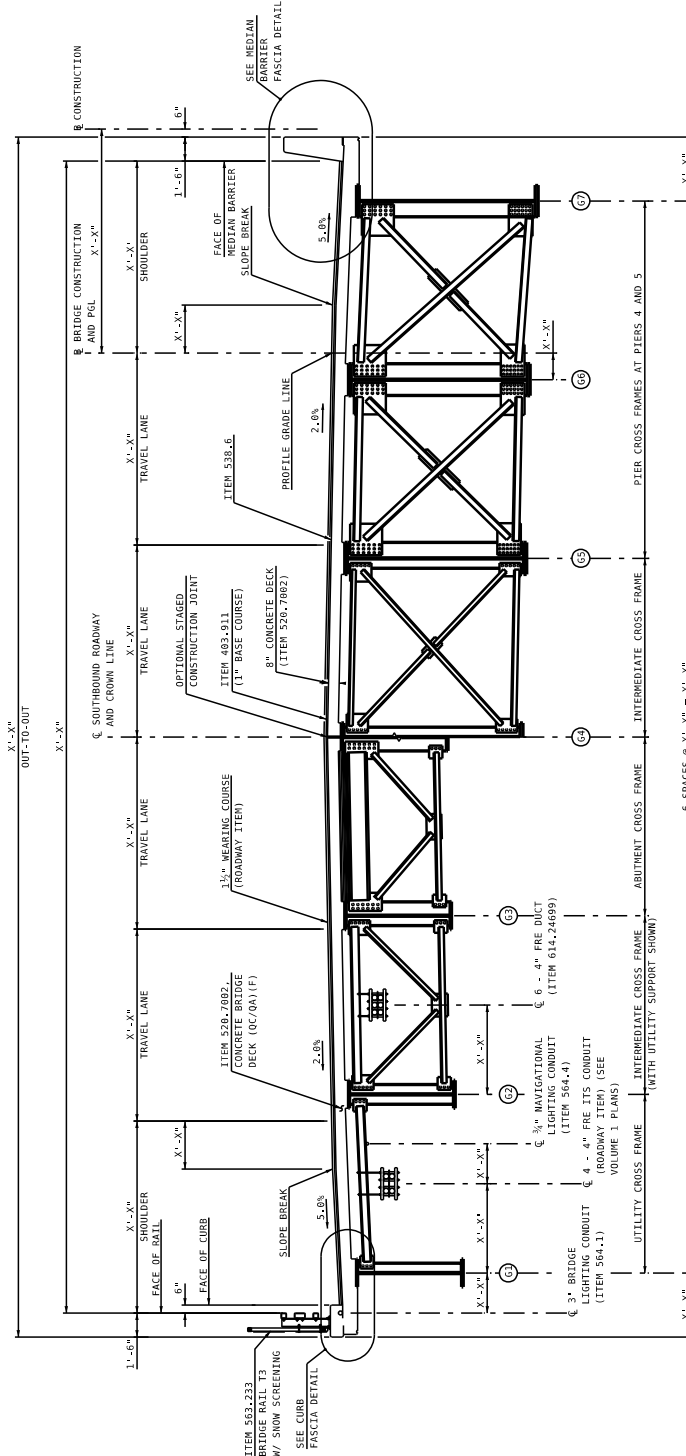


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
WELDED PLATE GIRDER DECK SECTION

DATE REVISED:
7/31/2023



WELDED PLATE GIRDER DECK SECTION

6 SPACES @ X'-X" = X'-X"
7 WELDED PLATE GIRDERS (VARIABLE DEPTH)

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

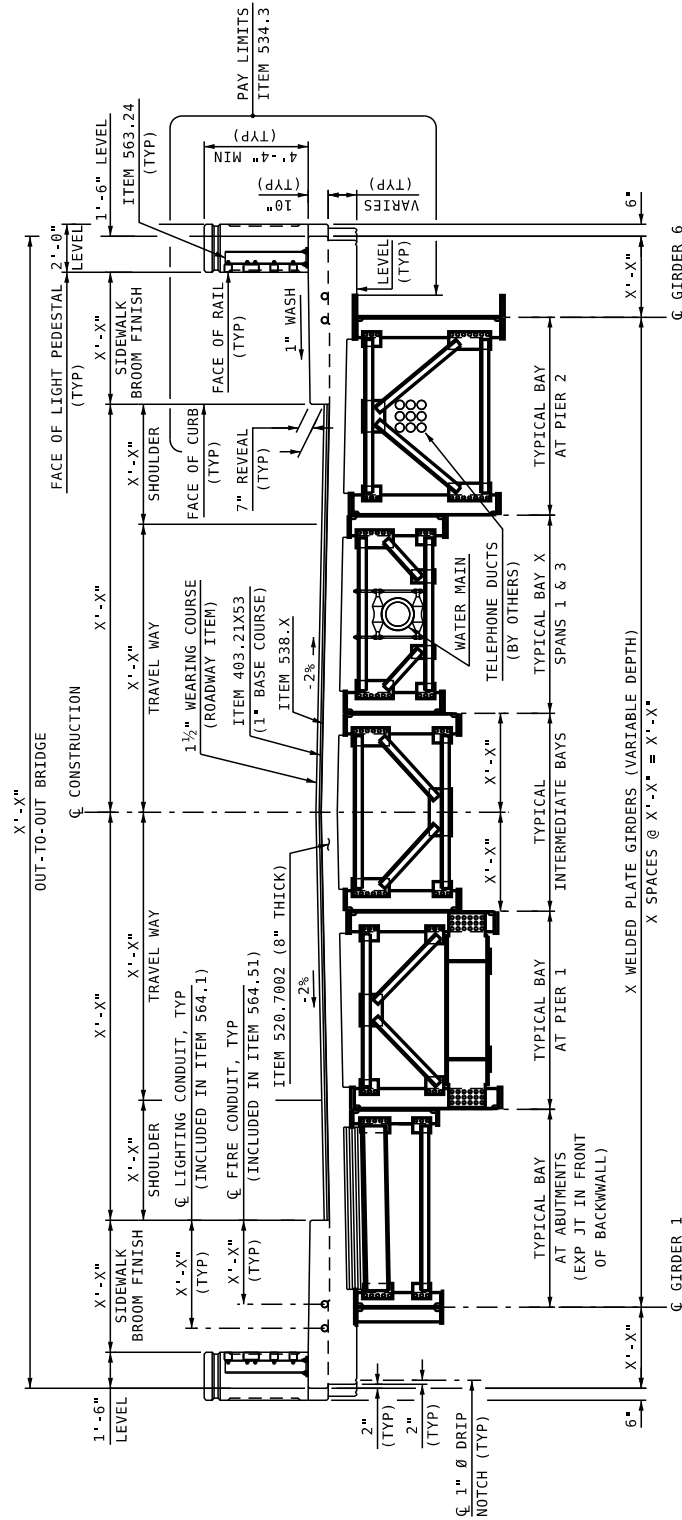


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
WELDED PLATE GIRDER DECK SECTION

DATE REVISED:
7/31/2023



WELDED PLATE GIRDER DECK SECTION

(CROWN, VARIABLE DEPTH GIRDER)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

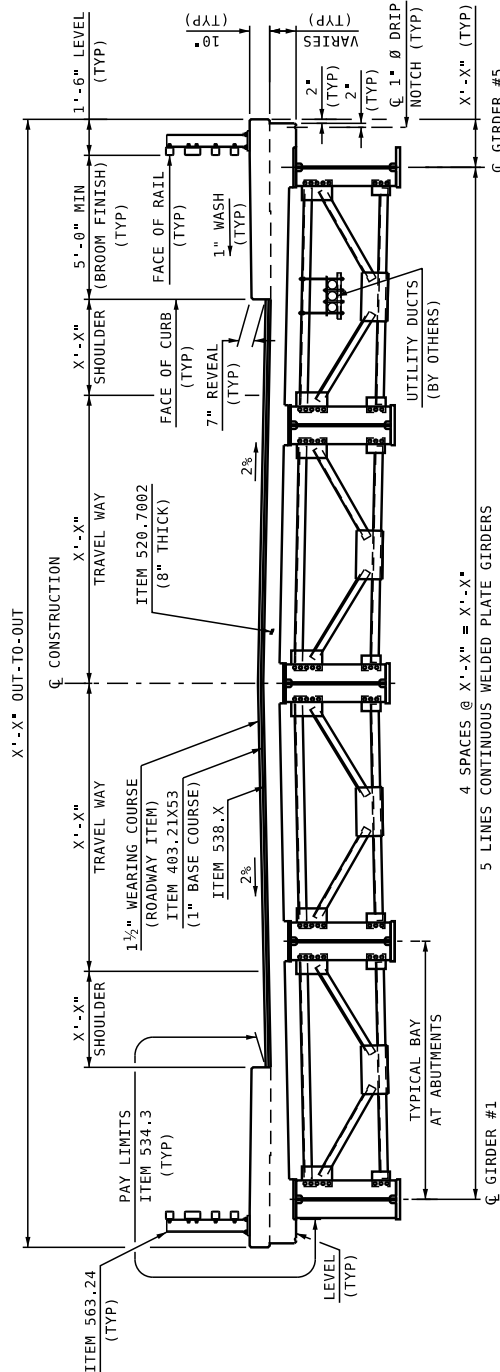


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
WELDED PLATE GIRDER DECK SECTION

DATE REVISED:
7/31/2023



WELDED PLATE GIRDER DECK SECTION (CROWN)

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

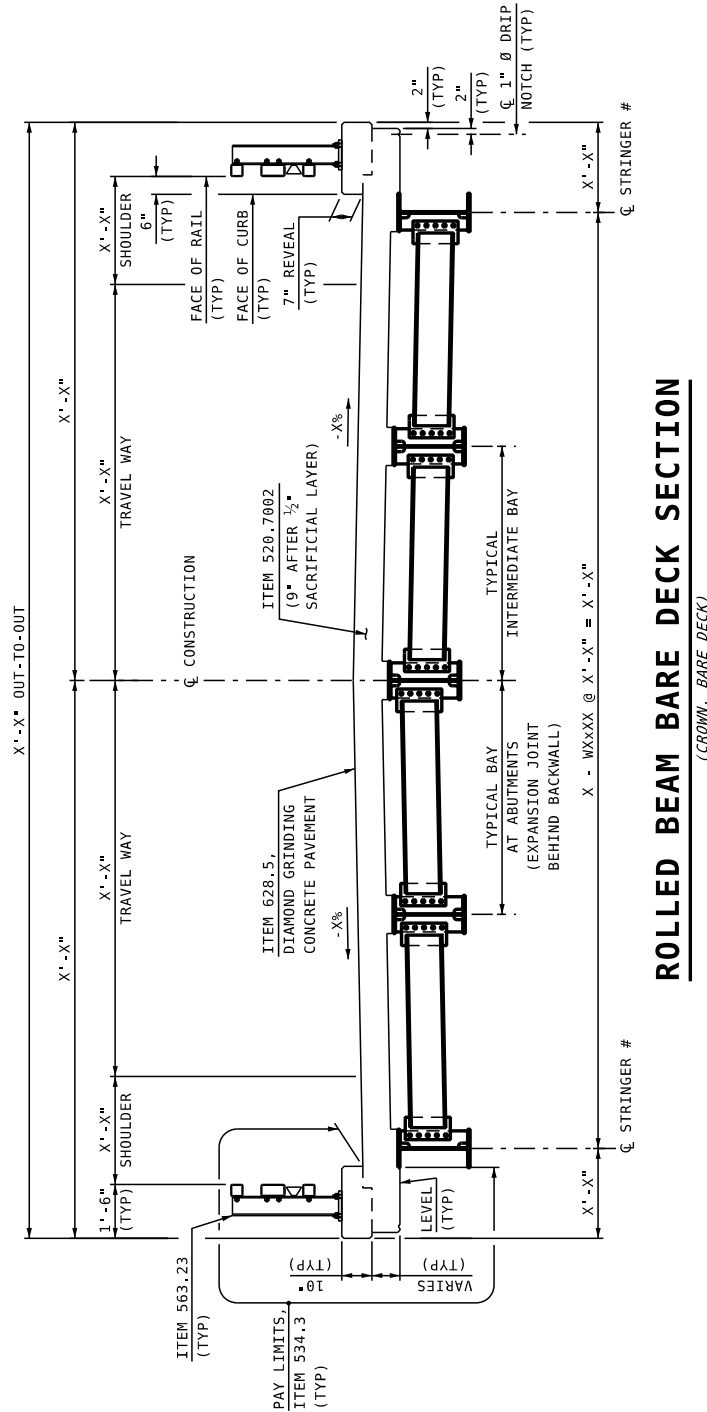


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
ROLLED BEAM BARE DECK SECTION

DATE REVISED:
7/31/2023



ROLLED BEAM BARE DECK SECTION (CROWN, BARE DECK)

MODIFY TO
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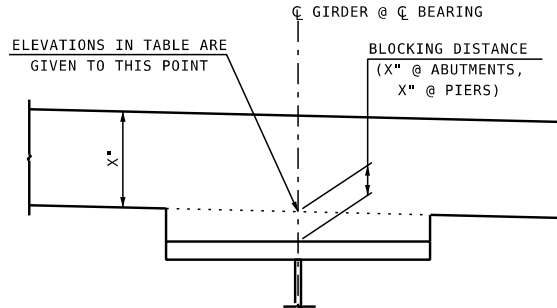


BUREAU OF BRIDGE DESIGN



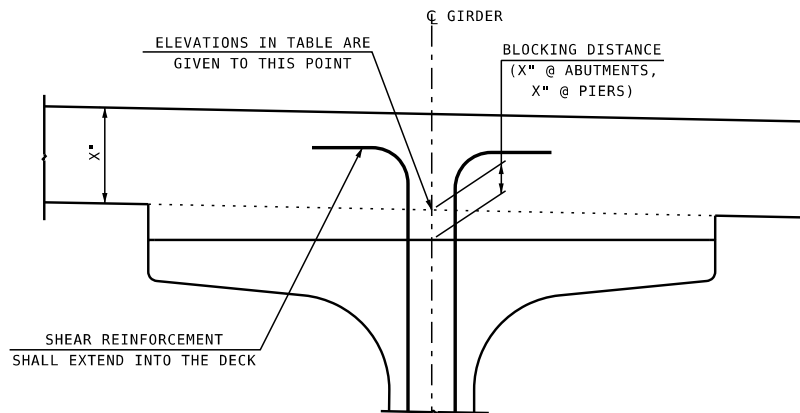
DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK HAUNCH

DATE REVISED:
7/31/2023



NOTE: ALL EXPOSED DECK GIRDER HAUNCH FORMWORK HANGERS SHALL BE HOT DIPPED GALVANIZED IN CONFORMANCE WITH SECTION 550.2.9. (BRIDGE DECKS OVER ROADWAYS, PEDESTRIAN PATHS, OR RAILROADS)

CAST-IN-PLACE STEEL GIRDER HAUNCH



NOTE: ALL EXPOSED DECK GIRDER HAUNCH FORMWORK HANGERS SHALL BE HOT DIPPED GALVANIZED IN CONFORMANCE WITH SECTION 550.2.9. (BRIDGE DECKS OVER ROADWAYS, PEDESTRIAN PATHS, OR RAILROADS)

CAST-IN-PLACE BULB-TEE GIRDER HAUNCH

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
CONCRETE DECK SLAB ELEVATIONS TABLE

DATE REVISED:
7/31/2023

ELEVATIONS AT BOTTOM OF CONCRETE DECK SLAB (FEET)

SPAN 1																						
LOCATION	ABUT A	0.05L	0.1L	0.15L	0.2L	0.25L	0.3L	0.35L	0.4L	0.45L	0.5L	0.55L	0.6L	0.65L	0.7L	0.75L	0.8L	0.85L	0.9L	0.95L	PIER 1	
GERDER #1																						
GERDER #2																						
GERDER #3																						
GERDER #4																						
GERDER #5																						

ELEVATIONS AT BOTTOM OF CONCRETE DECK SLAB (FEET)

SPAN 2																						
LOCATION	PIER 1	0.05L	0.1L	0.15L	0.2L	0.25L	0.3L	0.35L	0.4L	0.45L	0.5L	0.55L	0.6L	0.65L	0.7L	0.75L	0.8L	0.85L	0.9L	0.95L	ABUT B	
GERDER #1																						
GERDER #2																						
GERDER #3																						
GERDER #4																						
GERDER #5																						

DECK SLAB ELEVATION NOTES

1. AFTER THE STRUCTURAL STEEL IS ERECTED BUT BEFORE THE DECK FORMS ARE BUILT, ELEVATIONS ON THE TOP FLANGE OF THE GIRDERS ARE OBTAINED AT THE POINTS INDICATED IN THE TABLE. THE DIFFERENCE BETWEEN THE ELEVATIONS OBTAINED AND THOSE IN THE TABLE IS THE ACTUAL BLOCKING DISTANCE FROM THE TOP OF THE GIRDER TO THE BOTTOM OF THE DECK SLAB AT THE ξ OF THE GIRDER. SEE ELEVATION TABLE AND HAUNCH DETAIL THIS SHEET.
2. ELEVATIONS SHOWN IN THE TABLE ARE FINISHED BOTTOM OF SLAB ELEVATIONS ADJUSTED FOR TOTAL DEAD LOAD DEFLECTION, LESS THE DEFLECTION DUE TO GIRDER WEIGHT.

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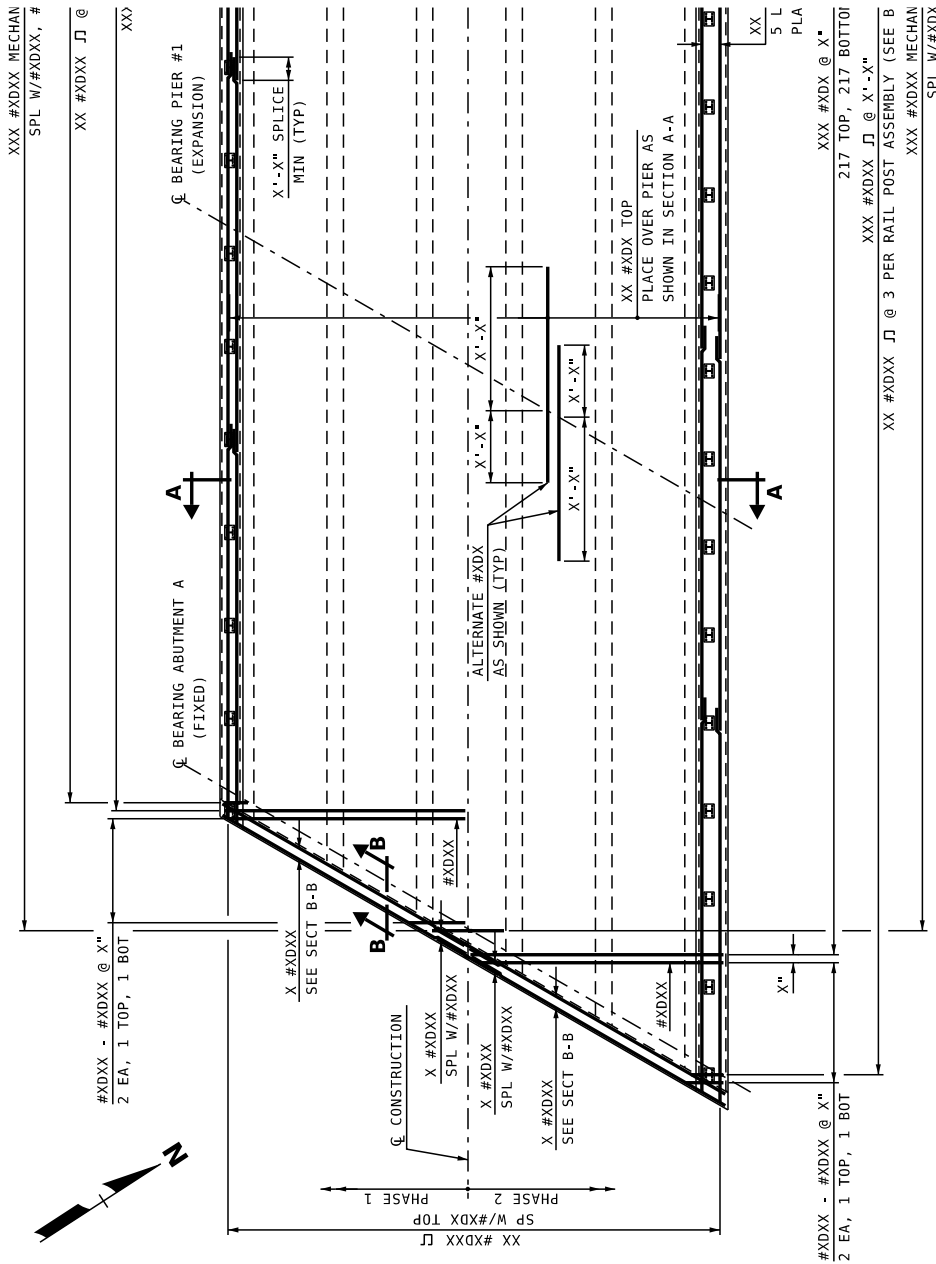


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK REINFORCING PLAN

DATE REVISED:
7/31/2023



DECK REINFORCING PLAN (PHASE CONSTRUCTION)

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

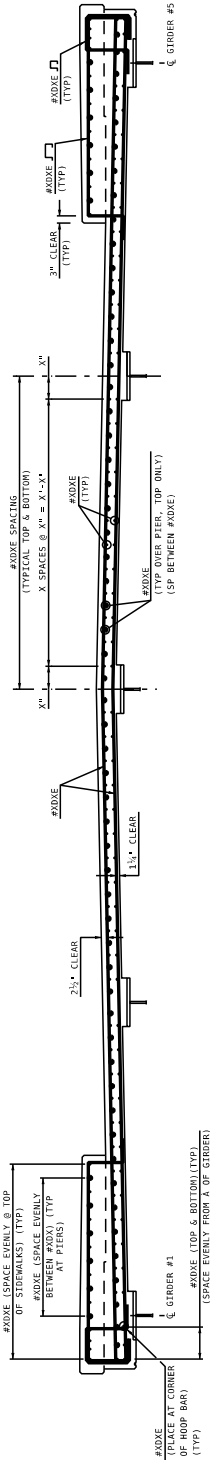


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
WELDED PLATE GIRDER DECK REINF. SIDEWALKS

DATE REVISED:
7/31/2023



WELDED PLATE GIRDER DECK REINFORCEMENT

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

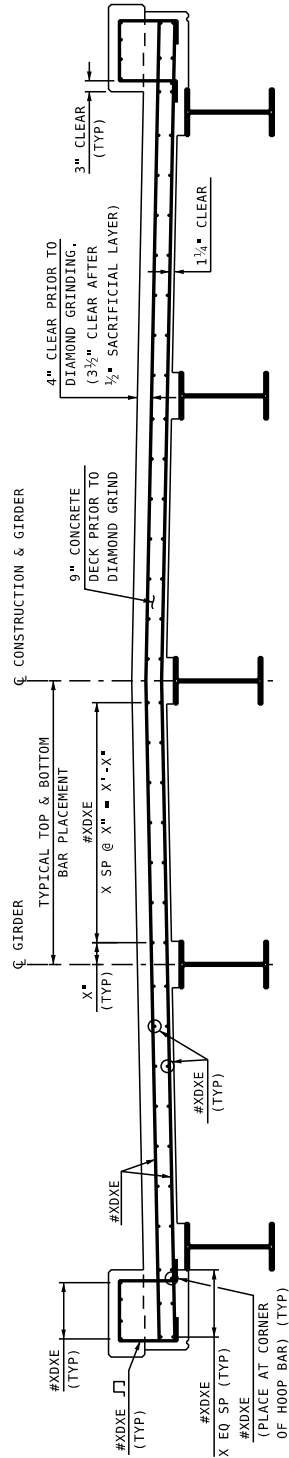


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
ROLLED BEAM BARE DECK REINFORCEMENT

DATE REVISED:
7/31/2023



ROLLED BEAM BARE DECK REINFORCEMENT

(EPOXY COATED REINFORCING)

MODIFY TO
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NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

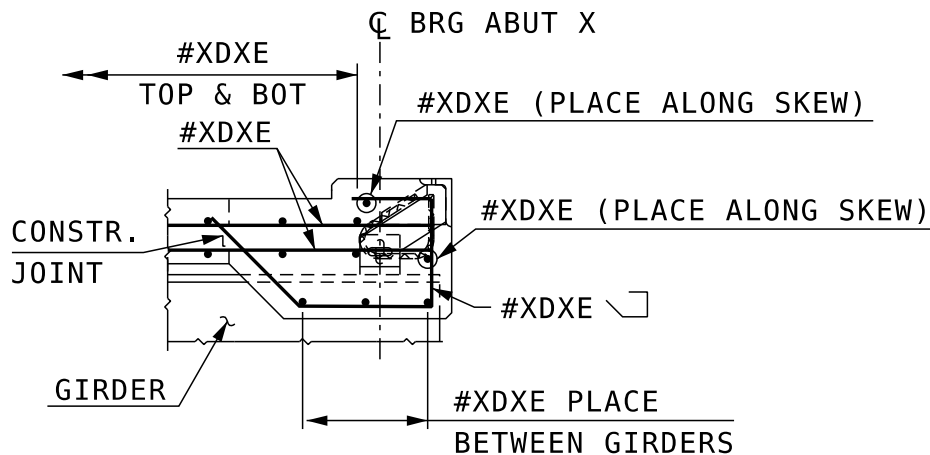


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK END AT EXPANSION JOINT REINFORCING DETAIL

DATE REVISED:
7/31/2023



DECK END SECTION AT EXPANSION JOINT

(NORMAL TO BACKWALL)

STRIP/COMPRESSION SEAL EXP. JT. IN FRONT OF BACKWALL

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

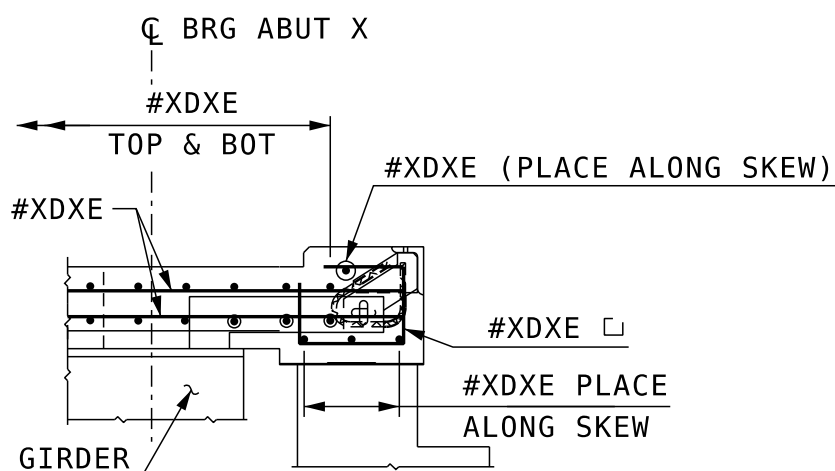


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK END AT EXPANSION JOINT REINFORCING DETAIL

DATE REVISED:
7/31/2023



DECK END SECTION - EXPANSION JOINT

(NORMAL TO BACKWALL)

STRIP/COMPRESSION SEAL EXP. JT. BEHIND BACKWALL

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

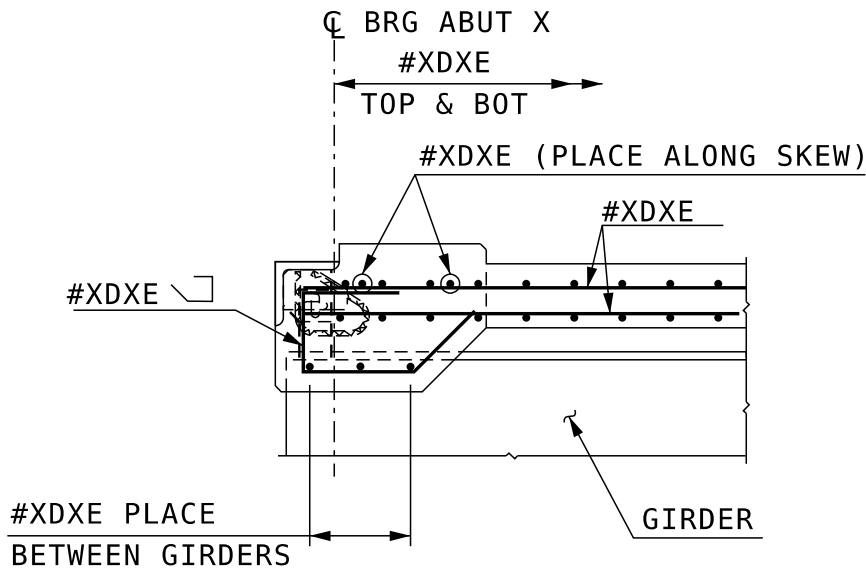


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK END AT EXPANSION JOINT REINFORCING DETAIL

DATE REVISED:
7/31/2023



**DECK END SECTION -
FINGER EXPANSION JOINT**

(NORMAL TO BACKWALL)
FINGER/PLOW PLATE EXP. JT. IN FRONT OF BACKWALL

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

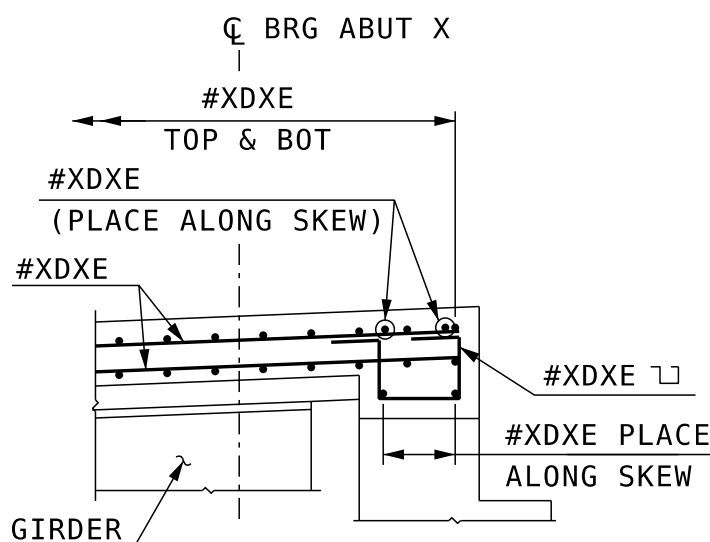


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK END AT FIXED END REINFORCING DETAIL

DATE REVISED:
7/31/2023



DECK END SECTION AT FIXED END

(NORMAL TO BACKWALL)
(DECK OVER BACKWALL)

MODIFY TO
FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

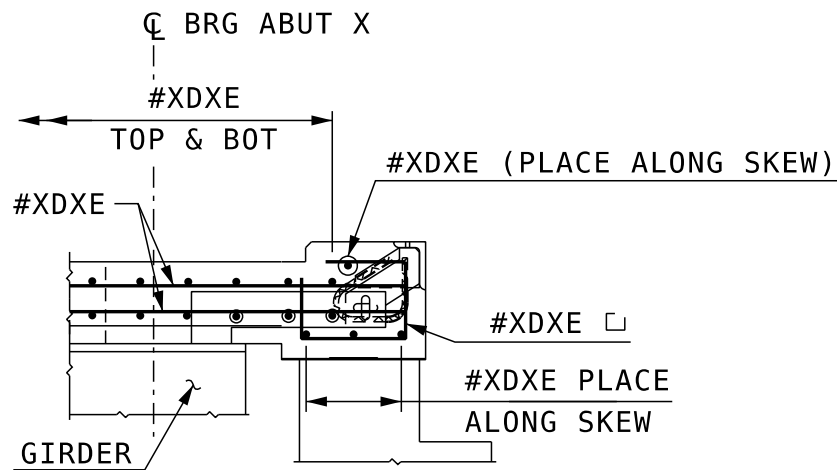


BUREAU OF BRIDGE DESIGN



DESCRIPTION: CIP CONCRETE DECK DETAILS -
DECK END AT EXPANSION JOINT REINFORCING DETAIL

DATE REVISED:
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DECK END SECTION - EXPANSION JOINT

(NORMAL TO BACKWALL)

STRIP/COMPRESSION SEAL EXP. JT. BEHIND BACKWALL

MODIFY TO
FIT PROJECT