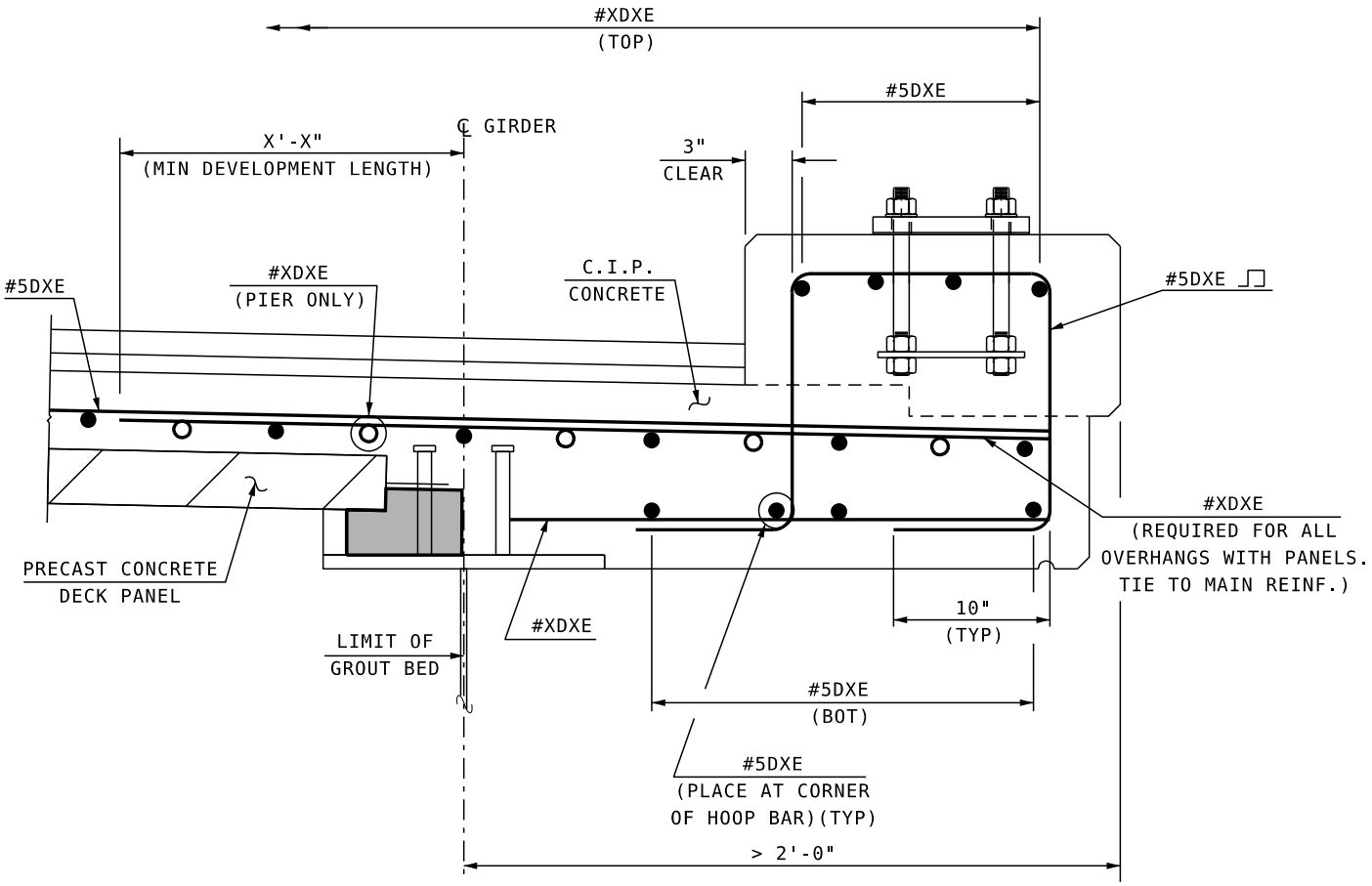
NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANELS - DECK OVERHANG DETAIL: > 2 FT.	7/31/2023



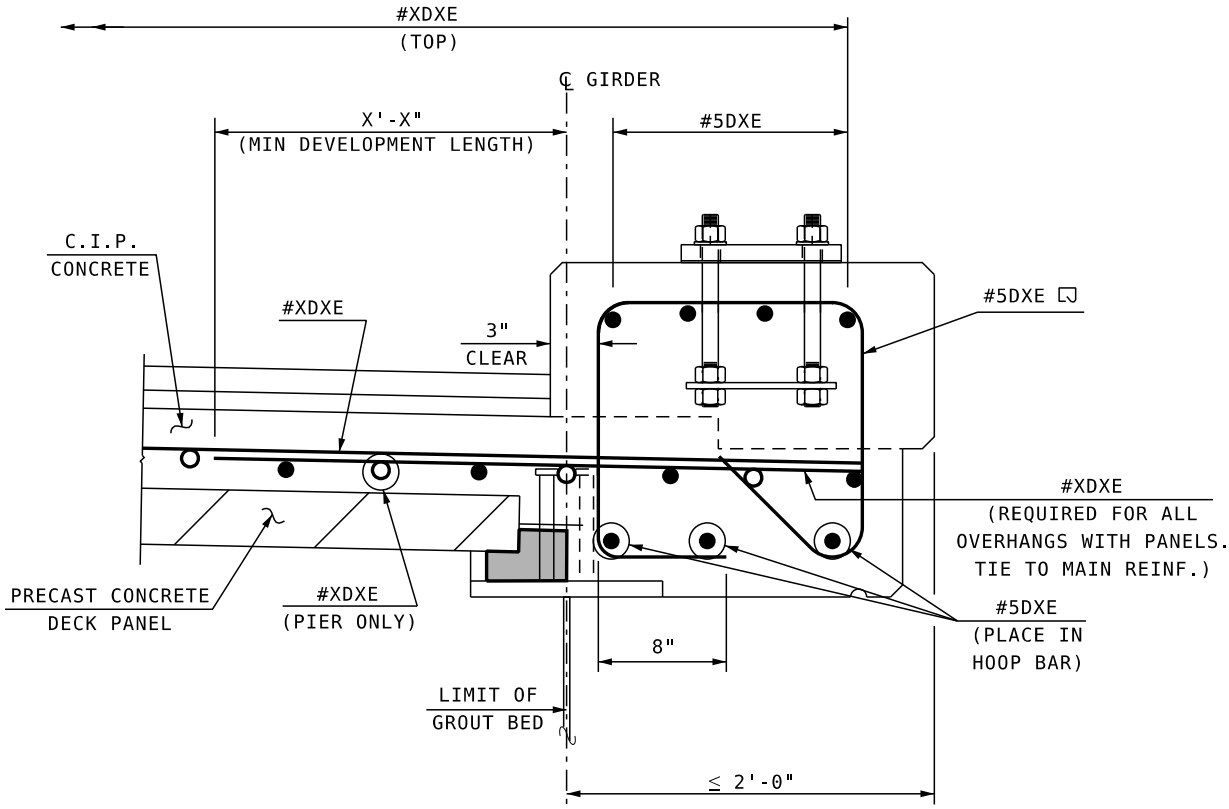
DECK OVERHANG DETAIL
(PRECAST DECK PANEL)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANELS - DECK OVERHANG DETAIL: ≤ 2 FT.	7/31/2023



DECK OVERHANG DETAIL
(PRECAST DECK PANEL)

(OVERHANG 2'-0" OR LESS)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

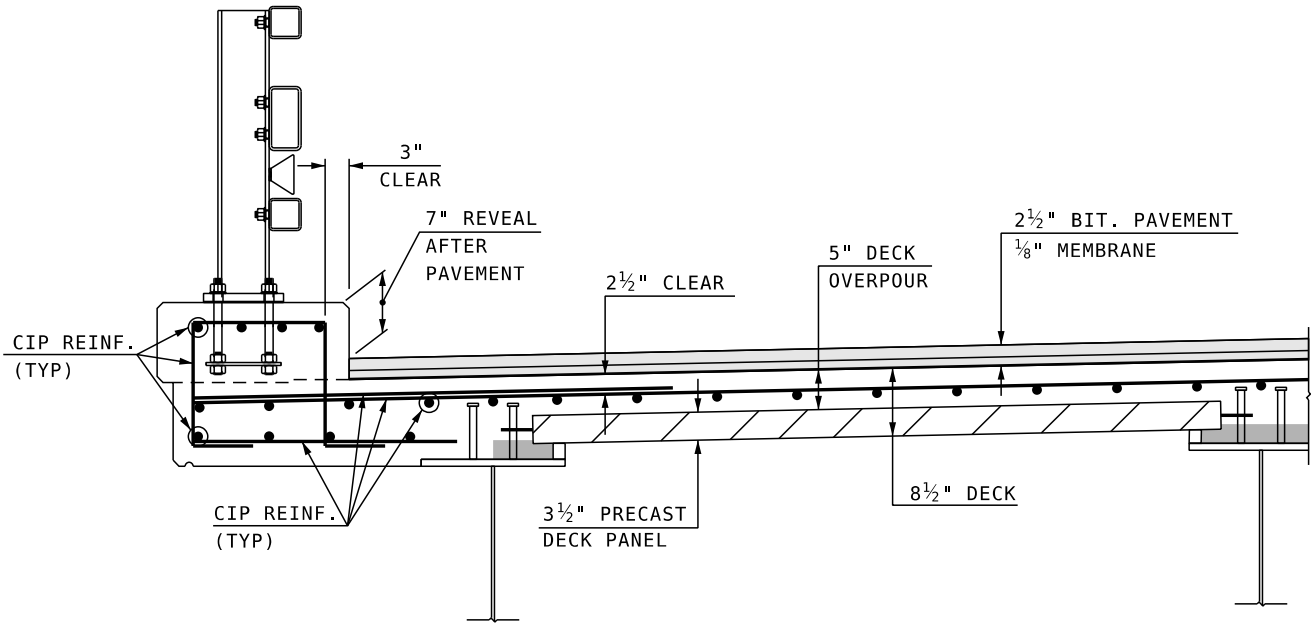
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS -
DECK SECTION DETAILS - PAV'T & MEMBRANE

DATE REVISED:

7/31/2023



PARTIAL-DEPTH PRECAST DECK PANEL - WITH MEMBRANE AND PAVEMENT

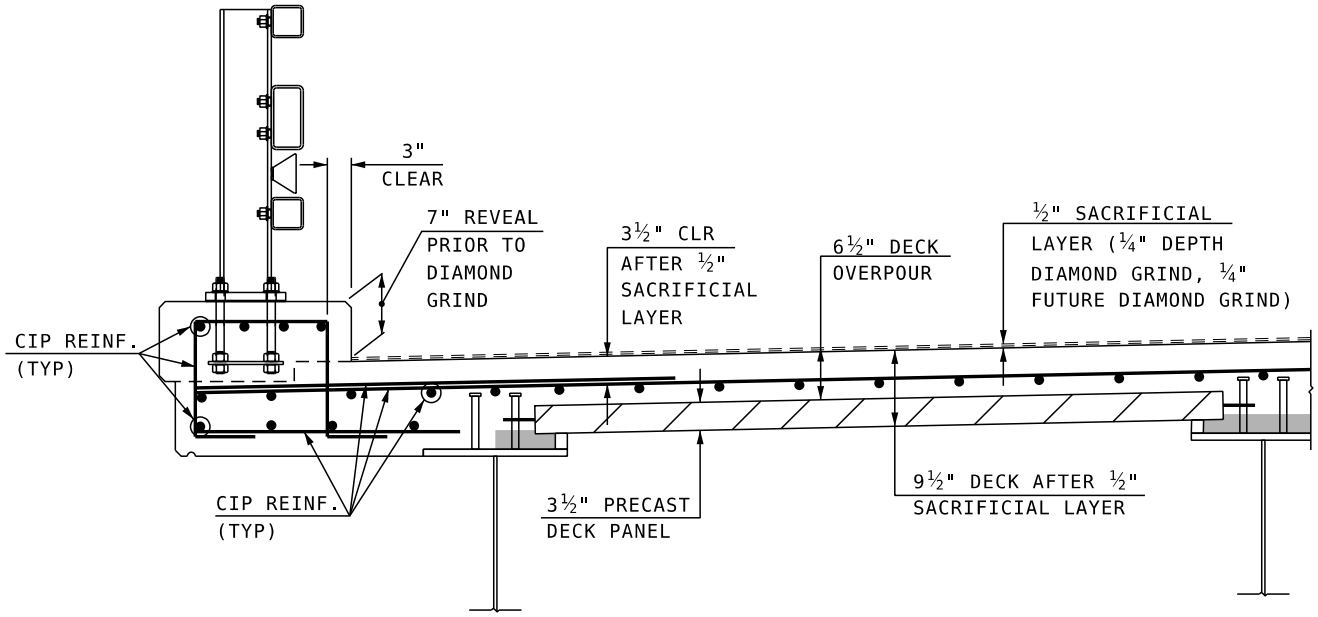
(FOR USE WITH ALL TYPES OF REINFORCEMENT)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANELS - DECK SECTION DETAILS - BARE DECK	7/31/2023



PARTIAL-DEPTH PRECAST DECK PANEL

BARE DECK (LEVEL 1)

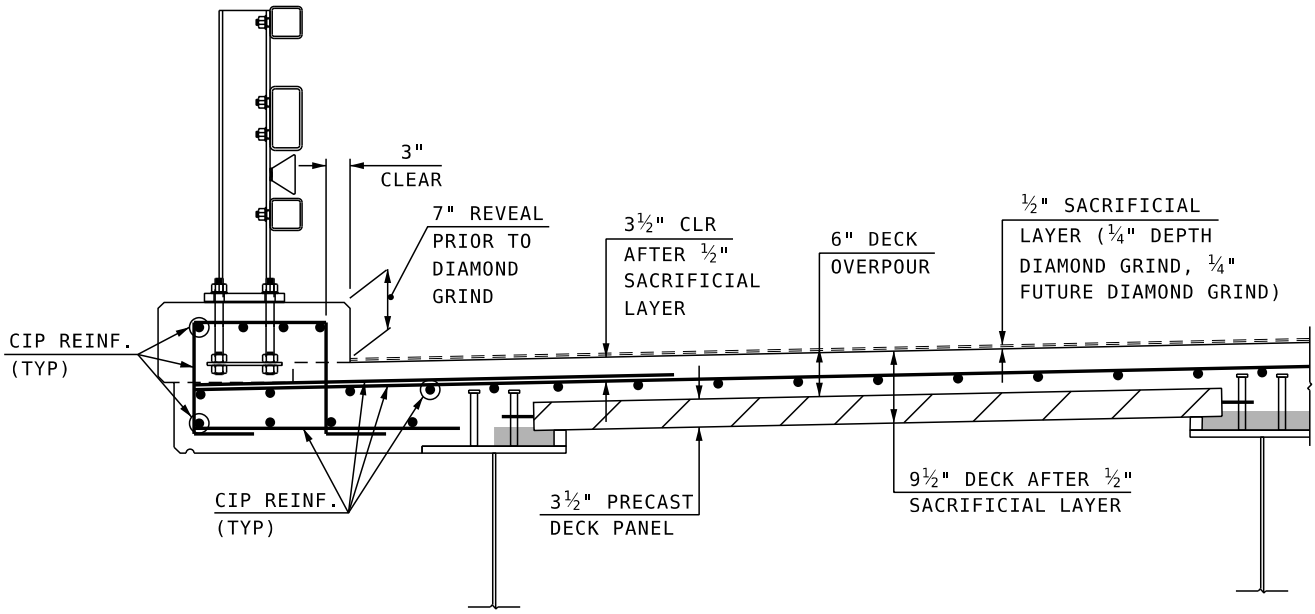
(FOR USE WITH EPOXY COATED OR GALVANZIED REINF.)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANEL - DECK SECTION DETAILS	7/31/2023



PARTIAL-DEPTH PRECAST DECK PANEL
BARE DECK (LEVEL 2)

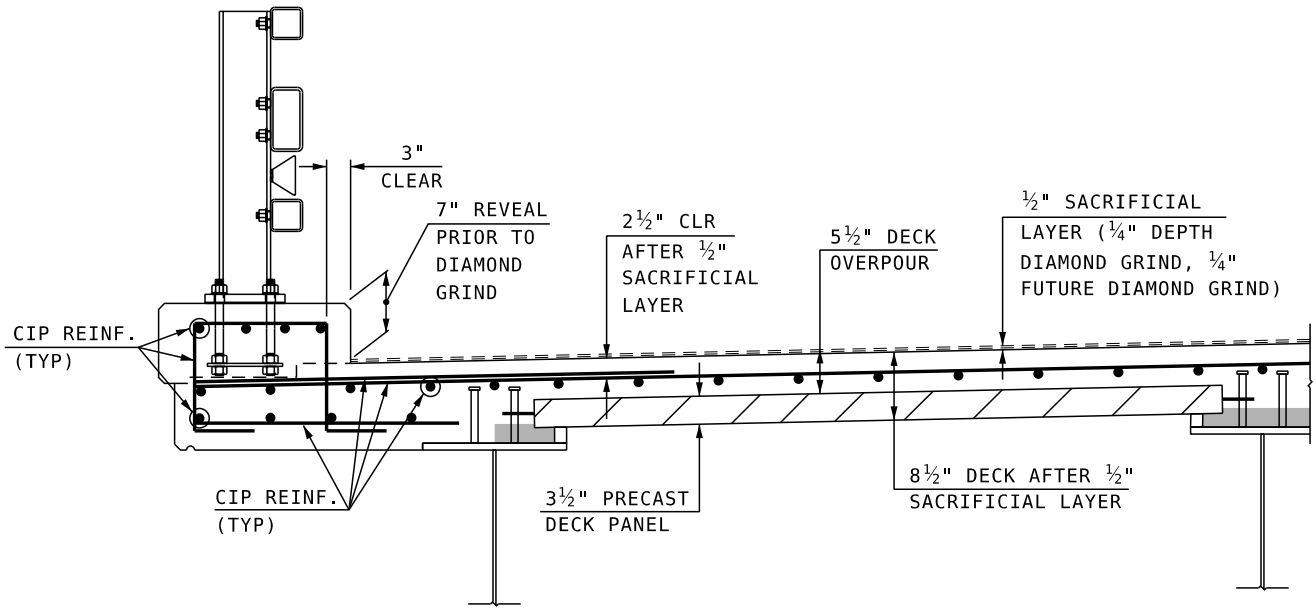
(FOR USE WITH FRP)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANELS - DECK SECTION DETAILS	7/31/2023



PARTIAL-DEPTH PRECAST DECK PANEL

BARE DECK (LEVEL 3)

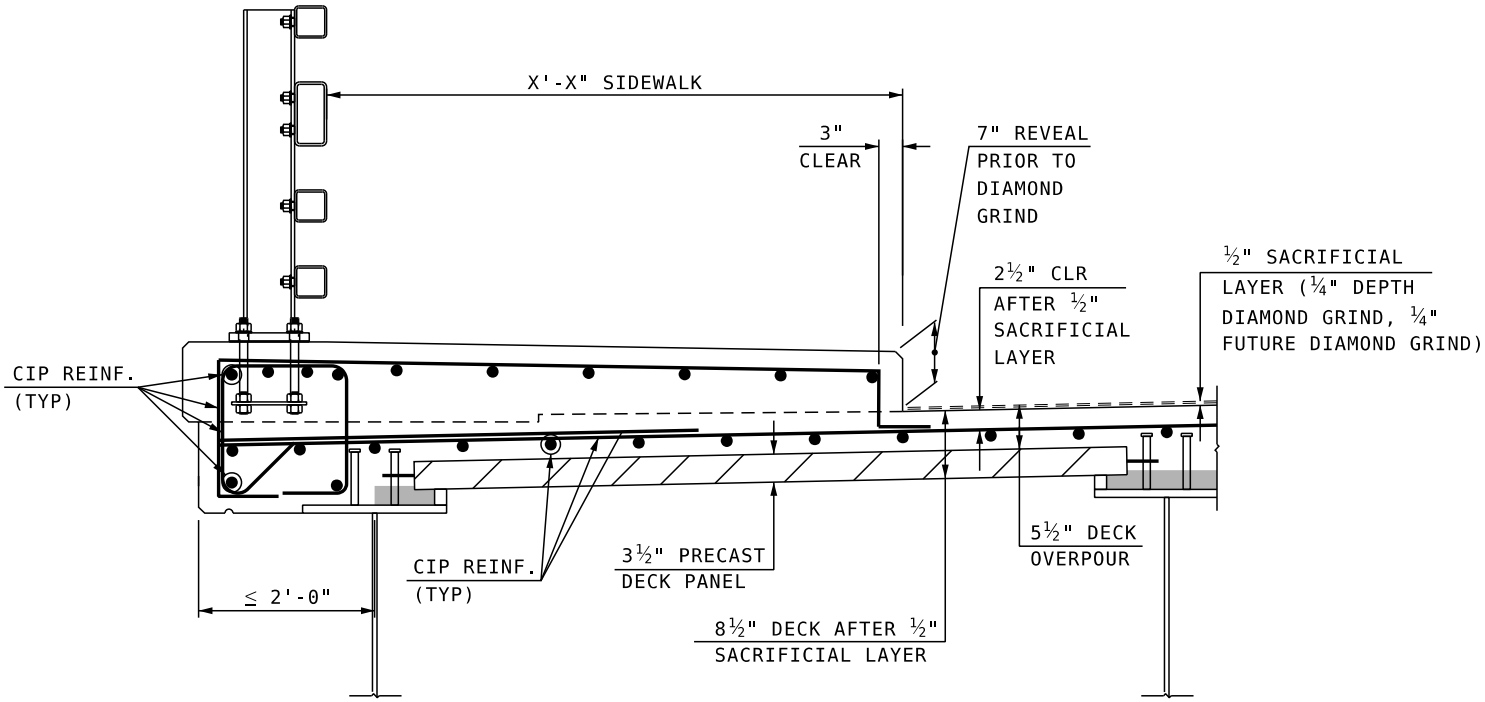
(FOR USE WITH STAINLESS STEEL REINF.)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
PARTIAL-DEPTH PRECAST PANELS - DECK SECTION DEETAILS	7/31/2023



PARTIAL DEPTH PRECAST DECK PANEL
BARE DECK (LEVEL 3)

(FOR USE WITH STAINLESS STEEL REINF.)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

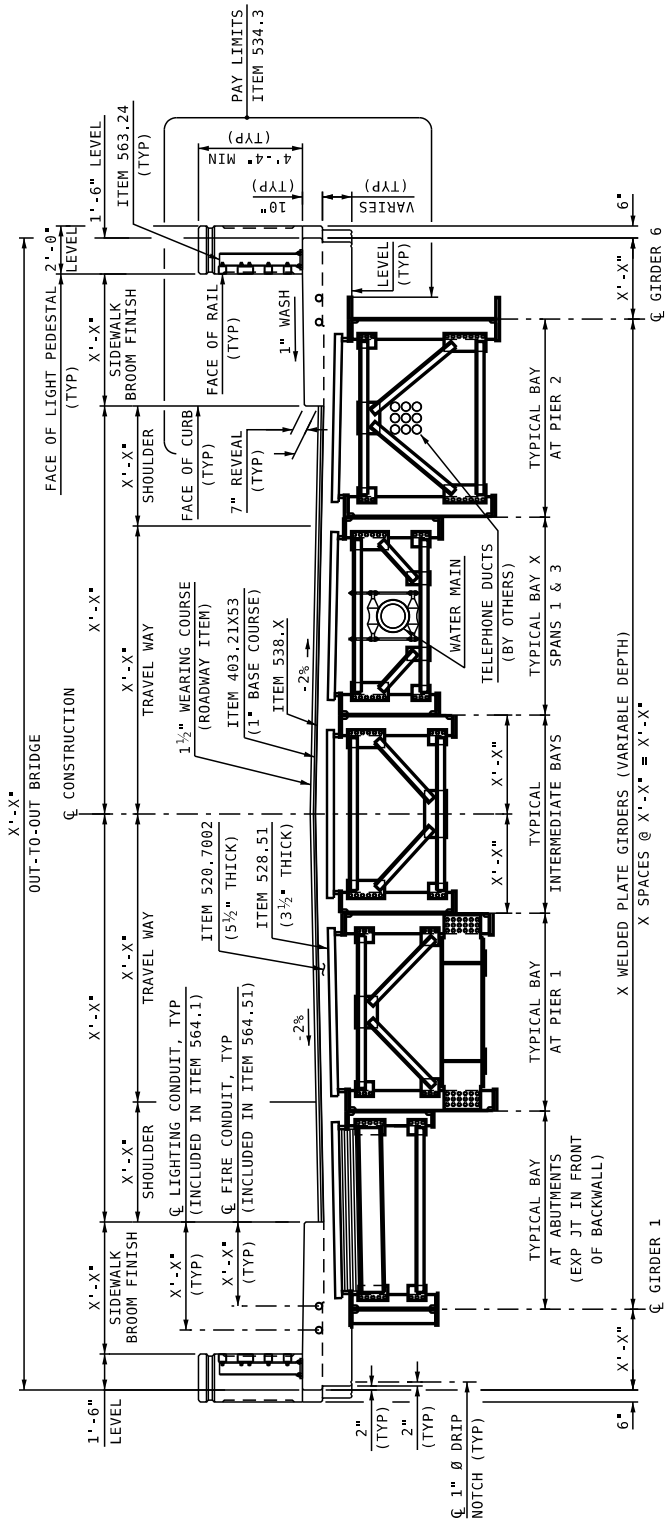
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS - WELDED PLATE GIRDER DECK SECTION

DATE REVISED:

7/31/2023



WELDED PLATE GIRDER DECK SECTION

(CROWN, VARIABLE DEPTH GIRDER)

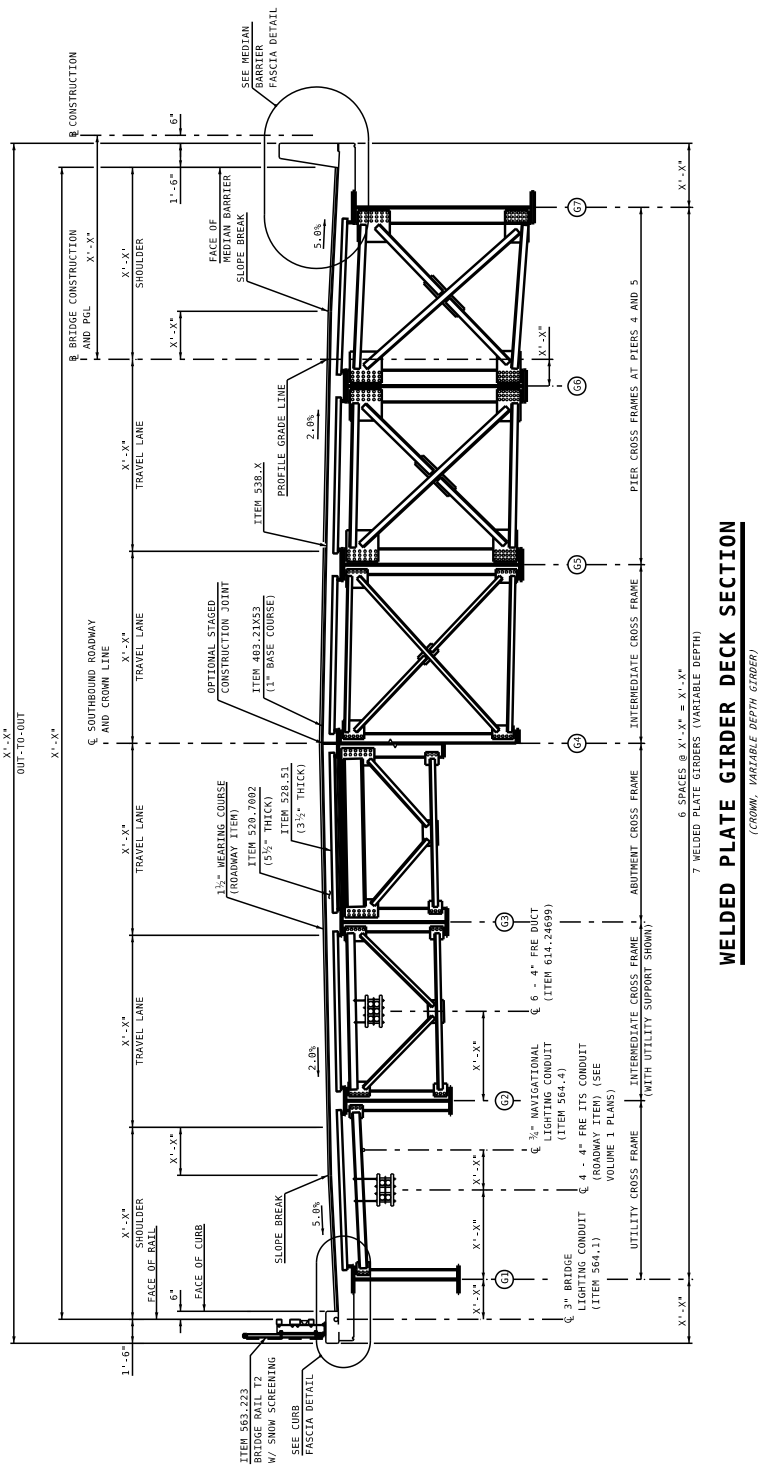
MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION: PARTIAL-DEPTH PRECAST PANELS - WELDED PLATE GIRDER DECK SECTION

DATE REVISED: 7/31/2023



MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

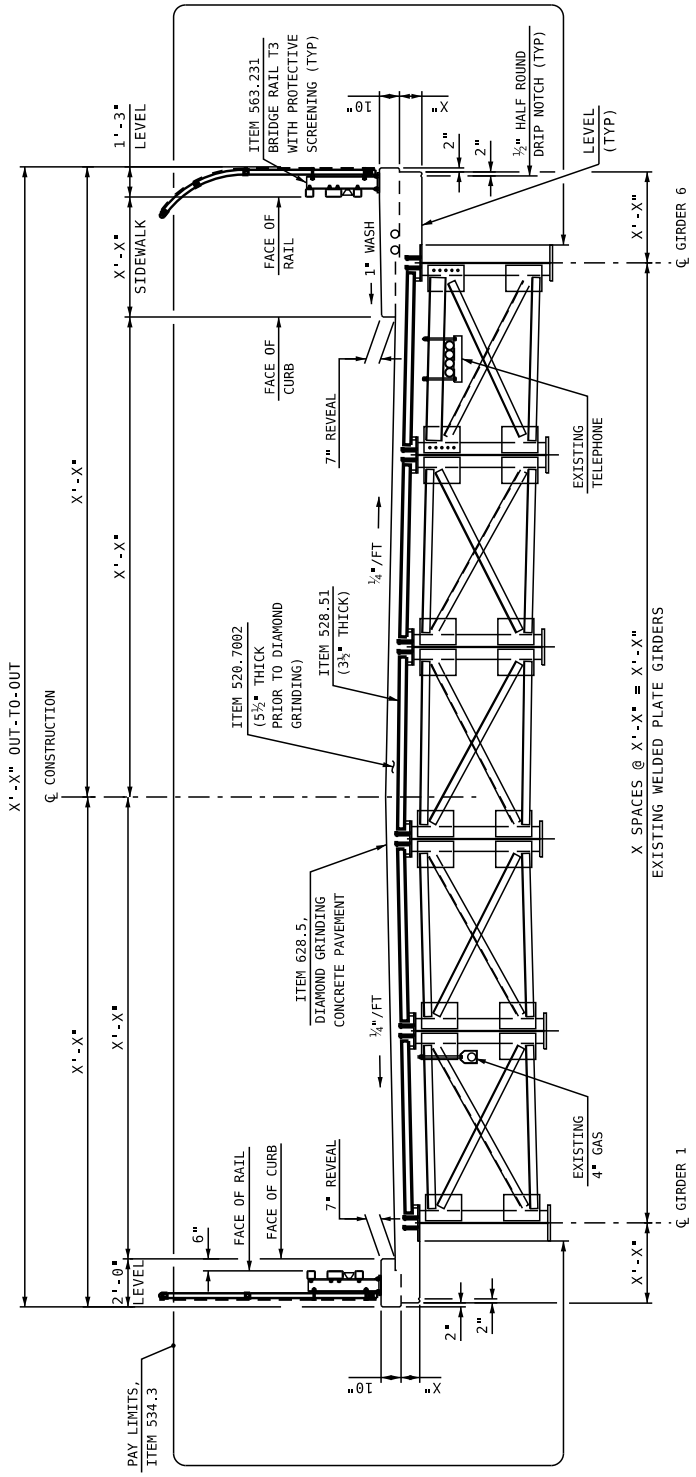
DESCRIPTION:

PARTIAL DEPTH DECK PANELS - WELDED PLATE GIRDER DECK SECTION

DATE REVISED:

7/31/2023

MODIFY TO FIT PROJECT



PARTIAL DEPTH DECK PANEL DECK SECTION
(BARE DECK)
NTS

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

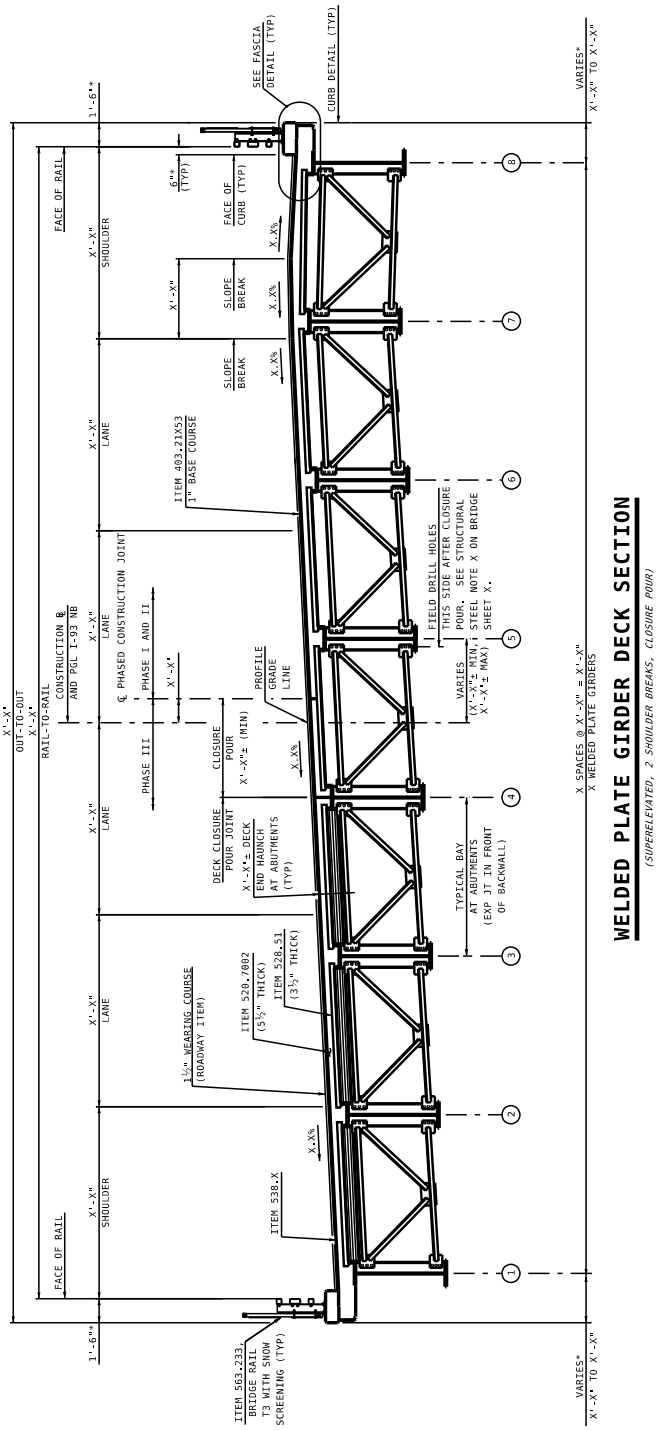
DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS - WELDED PLATE GIRDER DECK SECTION

DATE REVISED:

7/31/2023

MODIFY TO FIT PROJECT



WELDED PLATE GIRDER DECK SECTION

(SUPERELEVATED, 2 SHOULDER BREAKS, CLOSURE POUR)

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

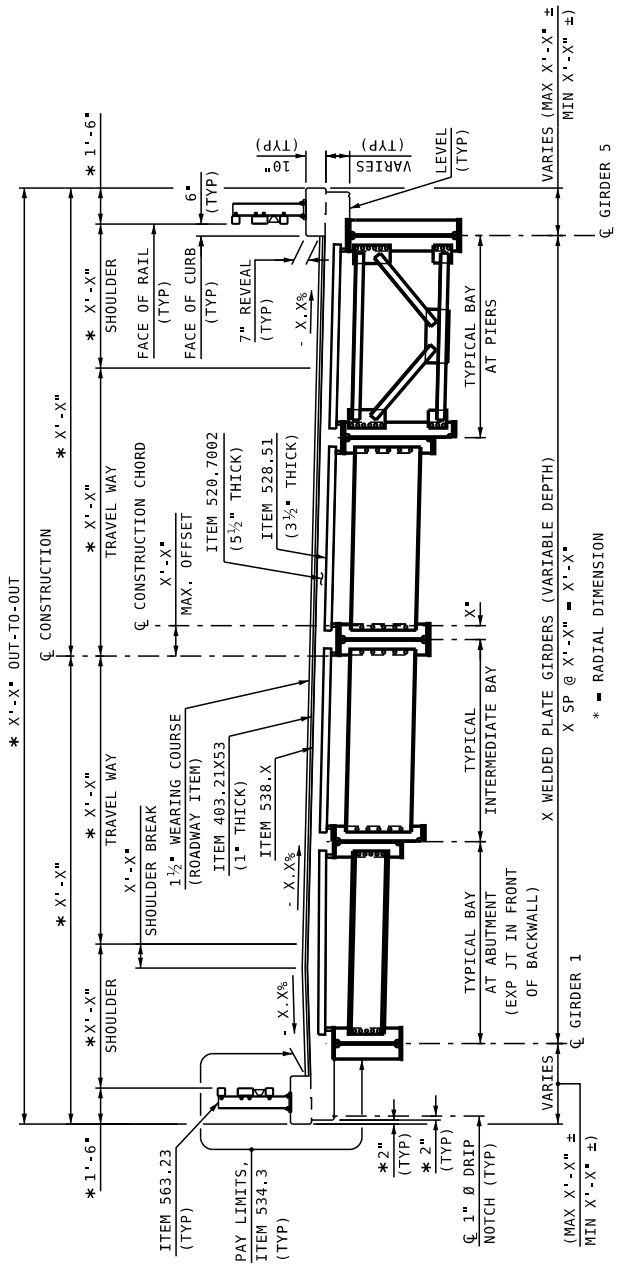
DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS - DECK SECTION

DATE REVISED:

7/31/2023

MODIFY TO FIT PROJECT



WELDED PLATE GIRDER DECK SECTION

(SUPERELEVATED, RADIAL, ONE SHOULDER BREAK)

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

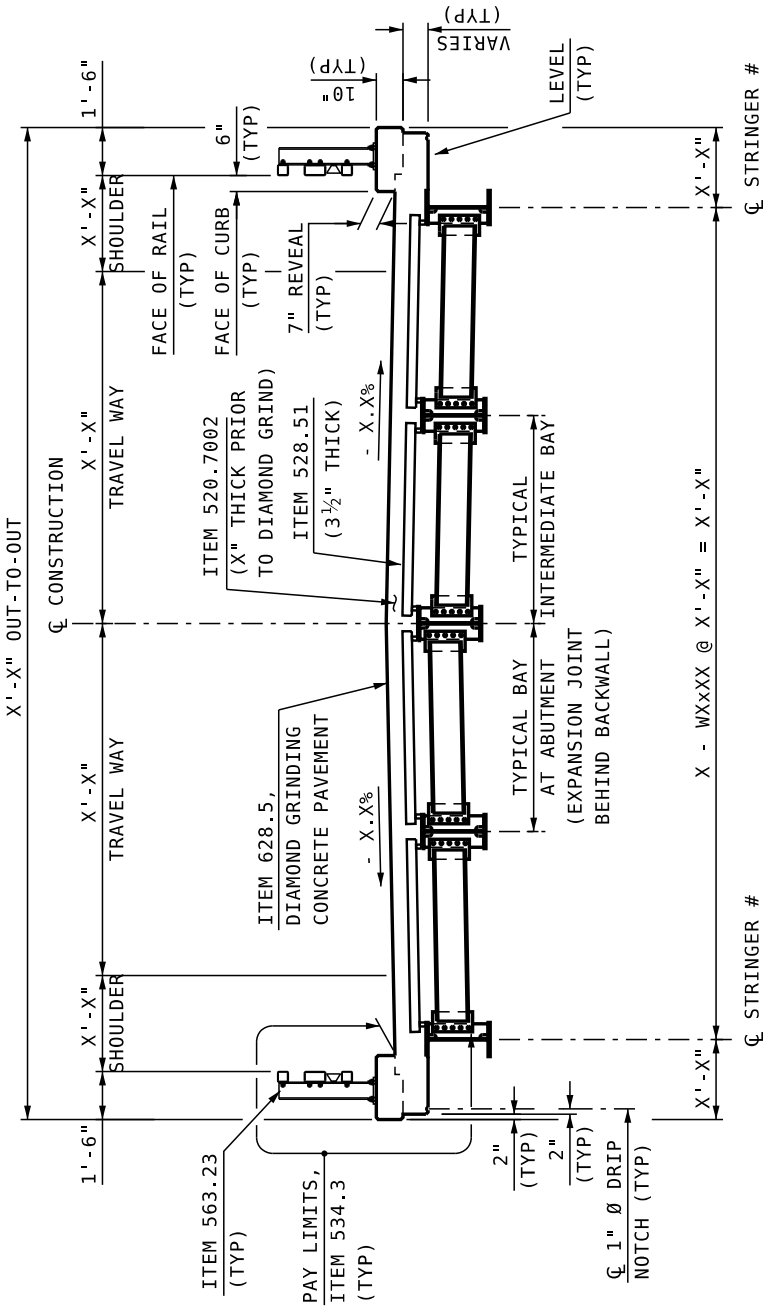
DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS - ROLLED BEAM DECK SECTION

DATE REVISED:

7/31/2023

MODIFY TO FIT PROJECT



ROLLED BEAM DECK SECTION

(CROWN, BARE DECK)

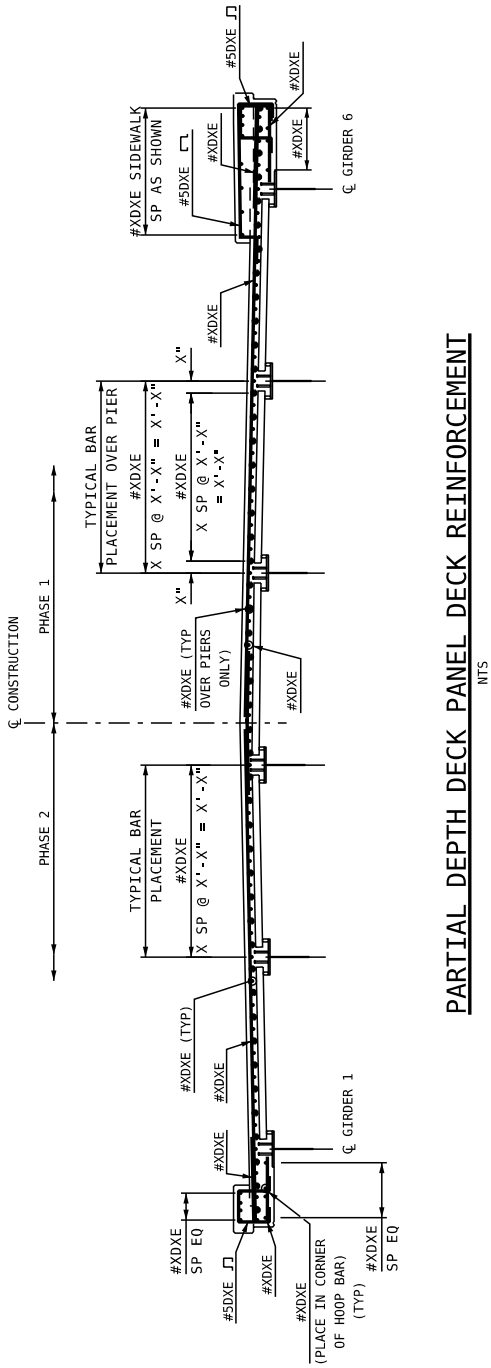
NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION: PARTAIL DEPTH DECK PANELS - DECK REINFORCING

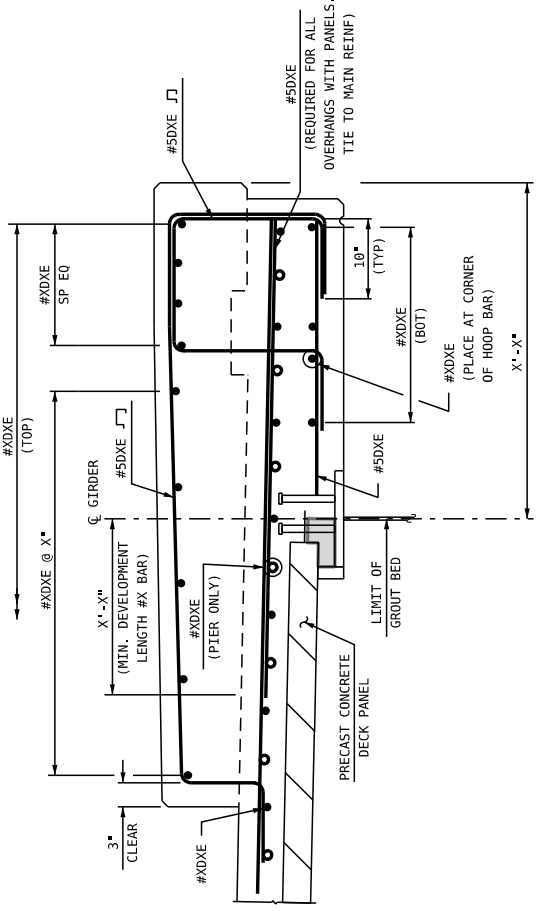
DATE REVISED: 7/31/2023

MODIFY TO FIT PROJECT



PARTIAL DEPTH DECK PANEL DECK REINFORCEMENT

NTS



DECK OVERHANG DETAIL

(PRECAST DECK PANEL)

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

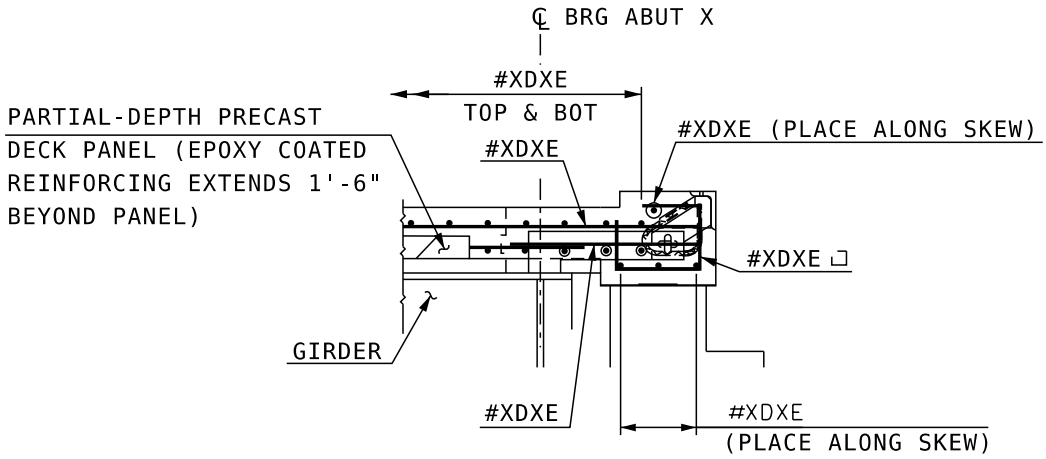
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH DECK PANELS -
DECK END AT EXP JT. REINFORCING DETAIL

DATE REVISED:

7/31/2023



DECK END SECTION
AT EXPANSION JOINT

(NORMAL TO BACKWALL)

(EXP. JT. BEHIND BACKWALL)

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*
3. *SHOW ALL CIP REINFORCING REQUIRED TO THE END OF PANEL.*
4. *REINFORCING CIRCLES DRAWN LARGER THAN A #5 BAR FOR CLARITY.*

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

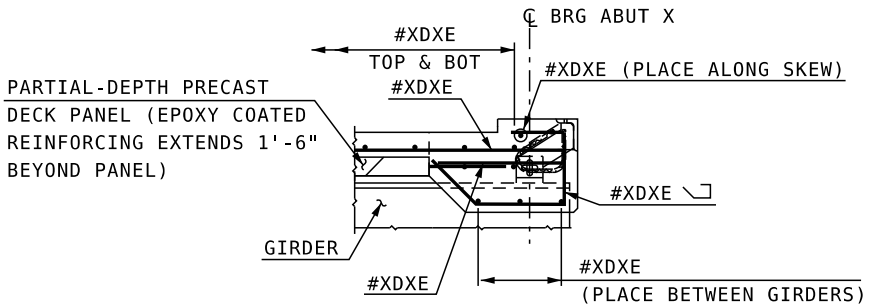
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS -
DECK END AT EXP JT REINFORCING DETAILS

DATE REVISED:

7/31/2023



DECK END SECTION
AT EXPANSION JOINT

(NORMAL TO BACKWALL)

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

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*
3. *SHOW ALL CIP REINFORCING REQUIRED TO THE END OF PANEL.*
4. *REINFORCING CIRCLES DRAWN LARGER THAN A #5 BAR FOR CLARITY.*

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

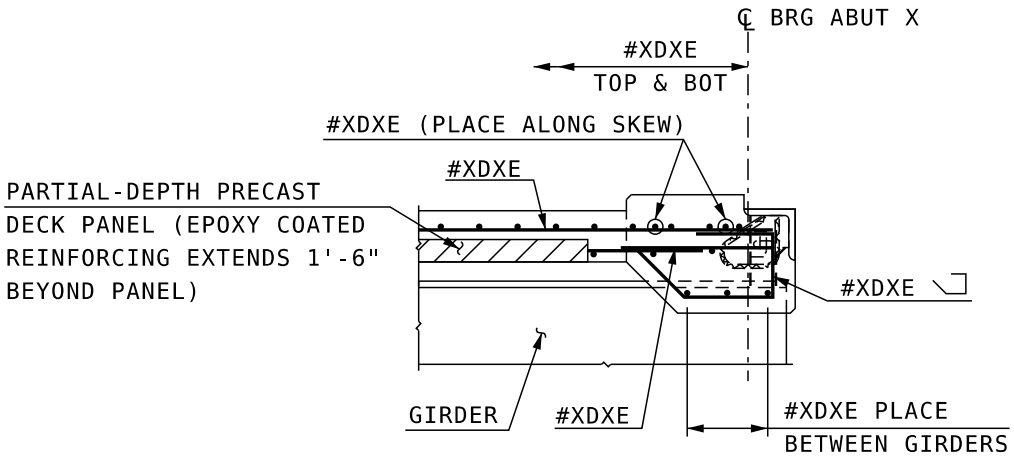
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS -
DECK END AT EXP JT. REINFORCING DETAIL

DATE REVISED:

11/3/2023



DECK END SECTION -
FINGER EXPANSION JOINT

(NORMAL TO BACKWALL)

FINGER/PLOW PLATE EXP. JT. IN FRONT OF BACKWALL

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*
3. *SHOW ALL CIP REINFORCING REQUIRED TO THE END OF PANEL.*
4. *REINFORCING CIRCLES DRAWN LARGER THAN A #5 BAR FOR CLARITY.*

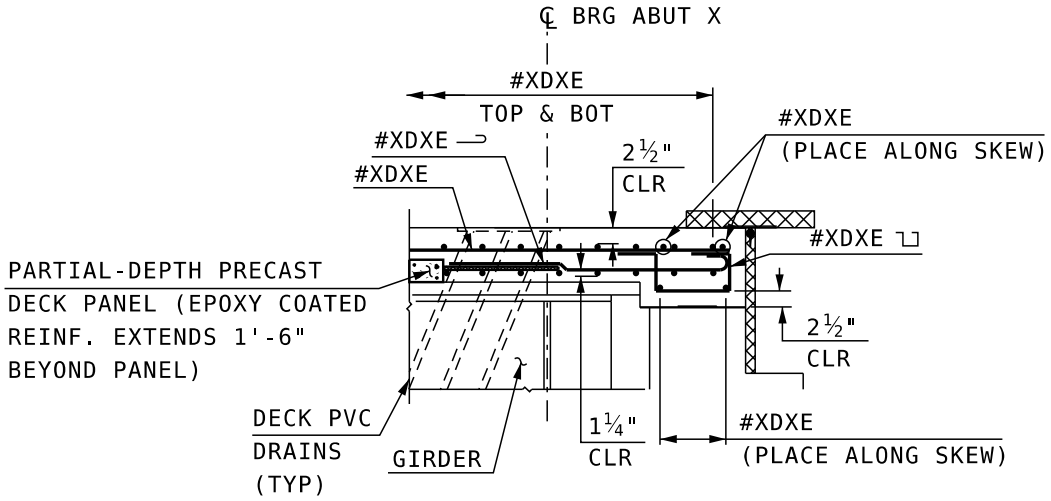
MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION: PARTIAL-DEPTH PRECAST PANELS - DECK END AT PLUG JOINT W/DRAINS REINF. DETAIL

DATE REVISED: 7/31/2023



DECK END SECTION AT PLUG EXP. JT.

(NORMAL TO BACKWALL)

EXP. JT. BEHIND BACKWALL (WITH DECK PVC DRAINS) PANELS MUST BE PLACED OUTSIDE OF PVC DRAINS IF LOCATED UNDER CURB

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*
3. *SHOW ALL CIP REINFORCING REQUIRED TO THE END OF PANEL.*
4. *REINFORCING CIRCLES DRAWN LARGER THAN A #5 BAR FOR CLARITY.*

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

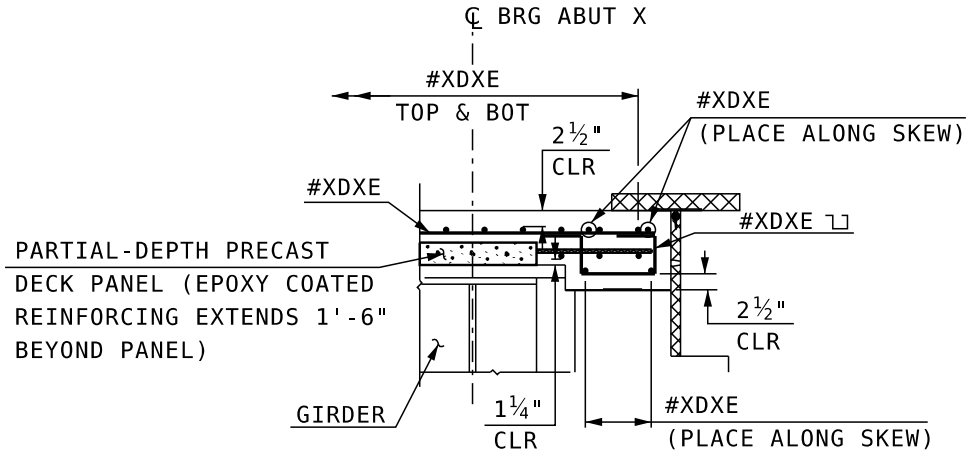
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS -
DECK END AT PLUG JOINT REINFORCING DETAIL

DATE REVISED:

7/31/2023



DECK END SECTION
AT PLUG EXP. JT.

(NORMAL TO BACKWALL)

EXP. JT. BEHIND BACKWALL (NO DECK PVC DRAINS)

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*
3. *SHOW ALL CIP REINFORCING REQUIRED TO THE END OF PANEL.*
4. *REINFORCING CIRCLES DRAWN LARGER THAN A #5 BAR FOR CLARITY.*

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

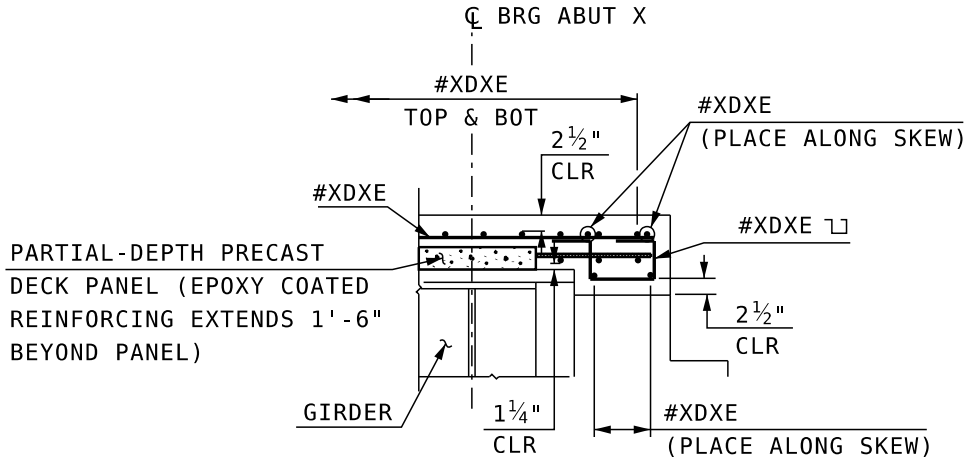
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PARTIAL-DEPTH PRECAST PANELS -
DECK END AT FIXED END REINFORCING DETAIL

DATE REVISED:

7/31/2023



DECK END SECTION
AT FIXED END

(NORMAL TO BACKWALL)

NOTES TO DESIGNER:

1. *IF DESIGNED TRANSVERSE REINF. IS LARGER THAN A #5 BAR, THE BARS WILL NOT FIT UNDER THE EXTENDED BAR OF THE PRECAST PANEL AND 1 1/4" CLEAR COVER. REVISE THE BOTTOM REINFORCING TO BE #5 BARS SPACED SO THE DESIGNED AREA OF STEEL IS OBTAINED.*
2. *SHOW PANEL ENDING AT LOCATION AS SHOWN ON LAYOUT PLAN.*

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

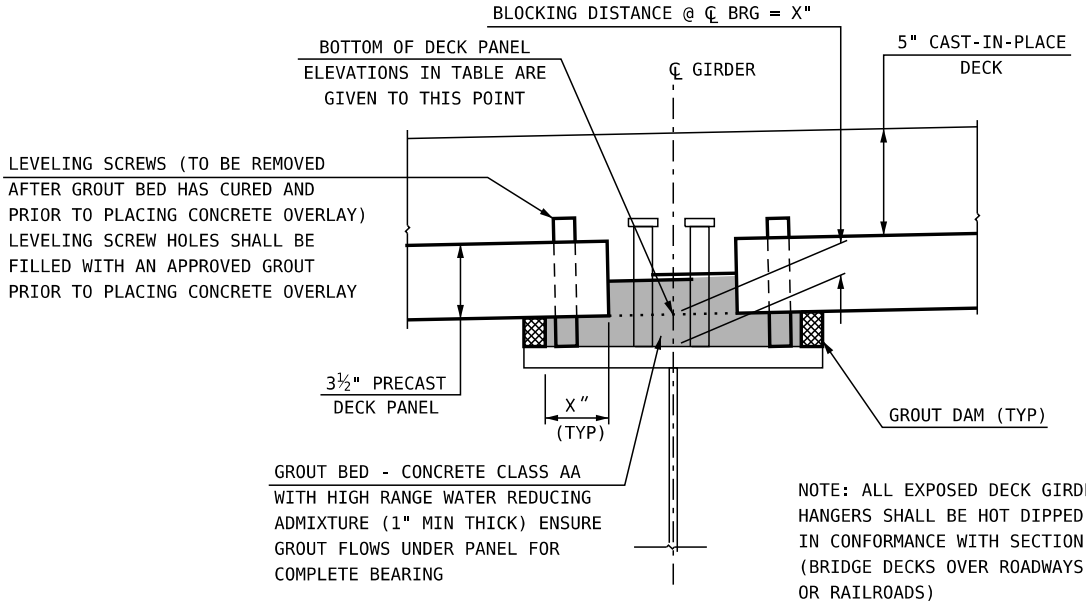
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

CONCRETE DECK DETAILS - DECK PANEL/GIRDER DECK HAUNCH

DATE REVISED:

7/31/2023



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

DECK PANEL/GIRDER DECK HAUNCH

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:

PRECAST-DEPTH PRECAST PANELS - CONCRETE DECK SLAB ELEVATION 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
GIRDER #1																					
GIRDER #2																					
GIRDER #3																					
GIRDER #4																					
GIRDER #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
GIRDER #1																					
GIRDER #2																					
GIRDER #3																					
GIRDER #4																					
GIRDER #5																					

DECK SLAB ELEVATION NOTES

1. BEFORE THE DECK PANELS ARE INSTALLED, 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 ℄ 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 (INCLUDING PRECAST PANEL), LESS THE DEFLECTION DUE TO GIRDER WEIGHT.

MODIFY TO FIT PROJECT