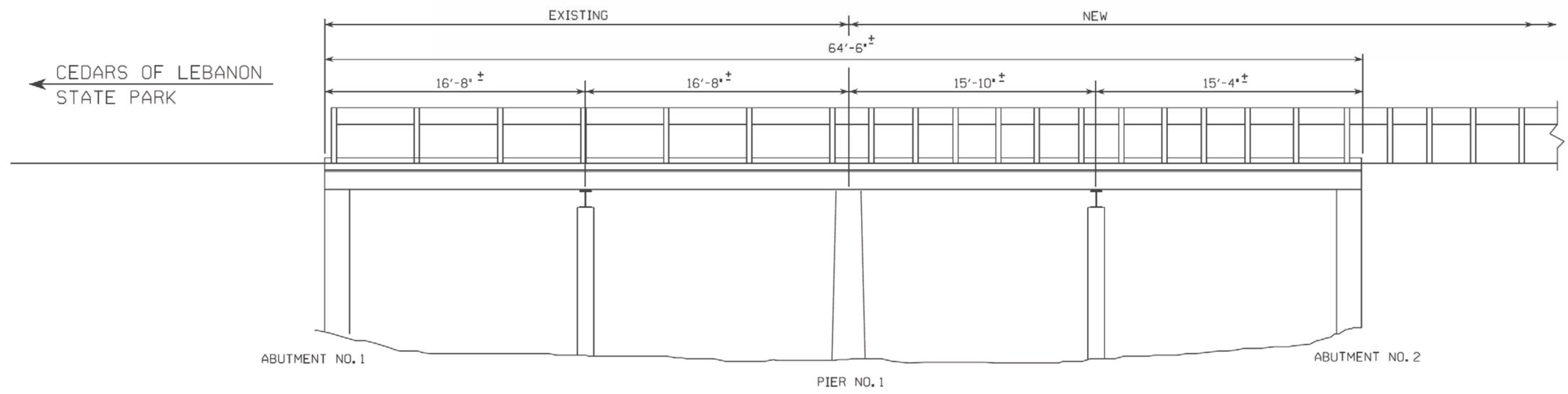
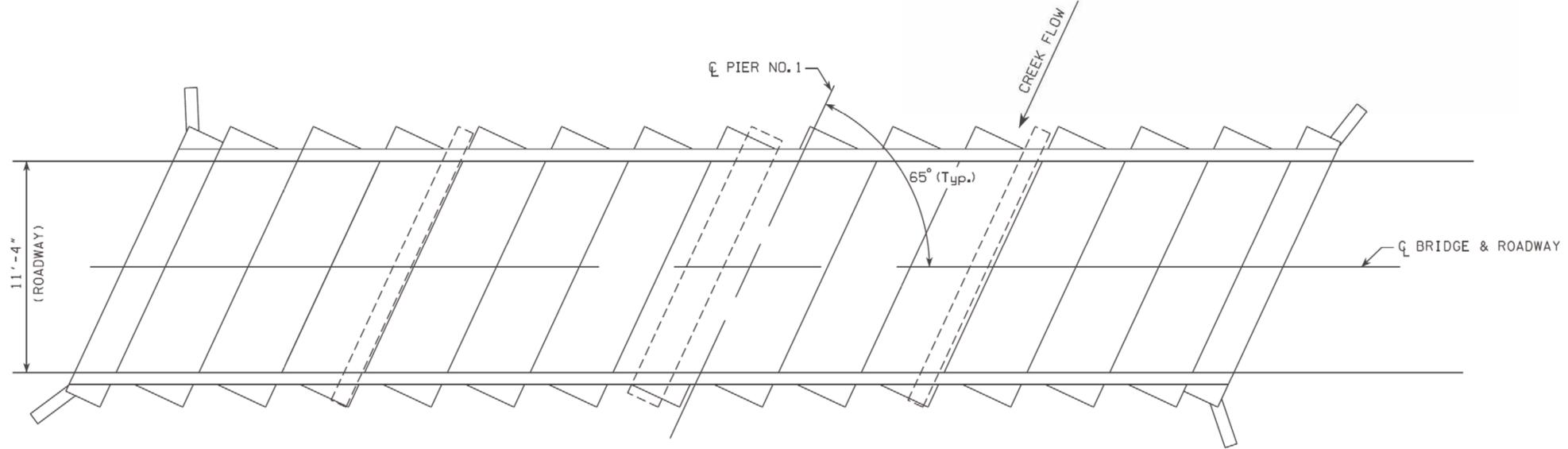


PROJECT NO.	YEAR	SHEET NO.	
95052-4905-04	2015		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION



ELEVATION



PLAN

GENERAL SCOPE OF WORK

1. INSTALL NEW POSTS TO BRIDGE DECK AND EXTERIOR BEAMS.
2. INSTALL NEW DIAPHRAGMS TO EXISTING BEAMS.
3. INSTALL NEW APPROACH GUARDRAIL.
4. REMOVE EXISTING RAIL AND INSTALL NEW GUARDRAIL.

LIST OF DRAWINGS

DRAWING NO.	LAST REV. DATE	DRAWING
BR-119-56	----	---- LAYOUT OF BRIDGE TO BE REPAIRED
BR-119-57	----	---- ESTIMATED QUANTITIES & GENERAL NOTES
BR-119-58	----	---- BRIDGE REPAIR DETAILS
BR-119-59	----	---- BRIDGE REPAIR DETAILS

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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
LAYOUT OF BRIDGE TO BE REPAIRED
2017 OVER
HURRICANE CREEK
BRIDGE NO. 95-2017-7.74
WILSON COUNTY
2015

DESIGNED BY Brian Egli DATE March, 2015
 DRAWN BY Cory Hawkins DATE March, 2015
 SUPERVISED BY Brian Egli DATE March, 2015
 CHECKED BY Brian Egli DATE March, 2015

ESTIMATED BRIDGE QUANTITIES

PROJECT NO. 95052-4905-04	YEAR 2015	SHEET NO. 2
REVISIONS		
NO.	DATE	BY
BRIEF DESCRIPTION		

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
① 602-10.35	STEEL BRIDGE RAIL REPAIRS	L.F.	129
② 602-10.51	STRUCTURAL STEEL REPAIRS (DIAPHRAGMS)	EACH	39
705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	125
③ 705-04.04	GUARDRAIL TERMINAL (TYPE 21)	EACH	4
712-01	TRAFFIC CONTROL	L.S.	1
712-06	SIGNS (CONSTRUCTION)	S.F.	69
717-01	MOBILIZATION	L.S.	1

1. INCLUDES ALL COSTS FOR MATERIAL, LABOR AND ANY MISCELLANEOUS MATERIAL TO ATTACH THE NEW GUARDRAIL TO THE METAL DECK GRATES. ALSO INCLUDES THE REMOVAL OF THE EXISTING RAIL.
2. INCLUDE ALL COSTS FOR MATERIAL, LABOR AND ANY MISCELLANEOUS MATERIAL TO INSTALL NEW DIAPHRAGMS TO THE EXISTING BEAMS.
3. SEE S-SRT-3 AND S-SRT-3D.
4. SEE THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FIGURE 6H-10 FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS (TA-10).

GENERAL NOTES

SPECIFICATIONS:

STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION. (JANUARY 1, 2015 EDITION)

STRUCTURAL STEEL:

SHALL CONFORM TO AASHTO M270 GRADE 36 (ASTM 709 GRADE 36) UNLESS OTHERWISE NOTED. ALL NEW STEEL TO BE GALVANIZED.

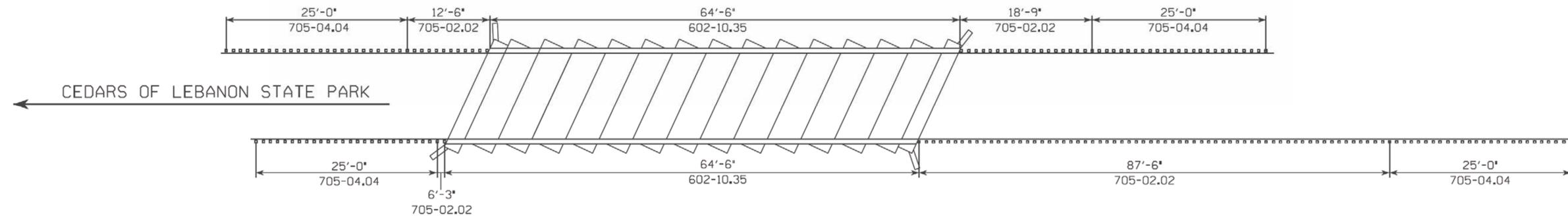
BOLTS:

SHALL BE HIGH TENSILE STRENGTH BOLTS (ASTM A325) UNLESS OTHERWISE NOTED. BOLTS TO BE MECHANICALLY GALVANIZED.

ESTIMATED QUANTITIES FOR 712-06 SIGNS CONSTRUCTION

(SEE FIGURE 6H-10 IN MUTCD FOR LOCATIONS)

TYPE	DESCRIPTION	SIZE	EACH	S.F.
G20-2	END ROAD WORK	36X18	2	9
W16-2	XX FEET SIGN	24X18	2	6
W20-1	ROAD WORK XX FT.	36X36	2	18
W20-4	ONE LANE ROAD XX FT.	36X36	2	18
W20-7A	FLAGGER SIGN	36X36	2	18
TOTAL				69



GUARDRAIL PAYMENT DETAIL

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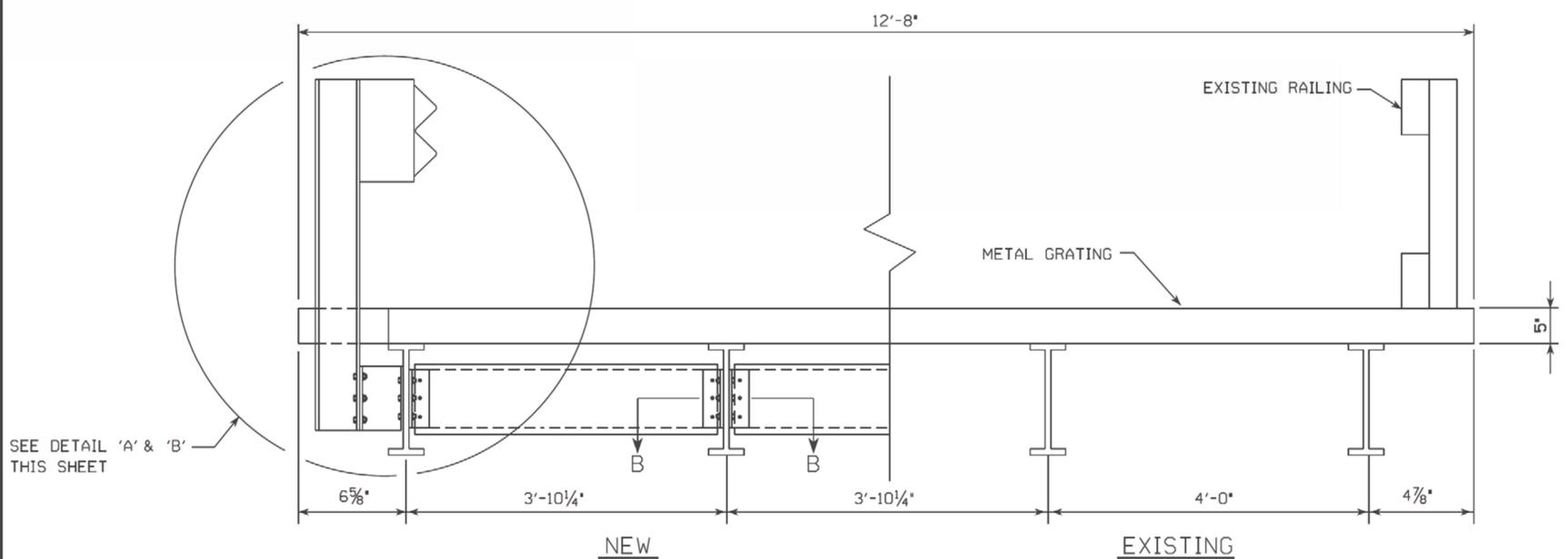
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES AND GENERAL NOTES
2017 OVER
HURRICANE CREEK
BRIDGE NO. 95-2017-7.74
WILSON COUNTY
2015

DESIGNED BY: Brian Egl DATE: March, 2015
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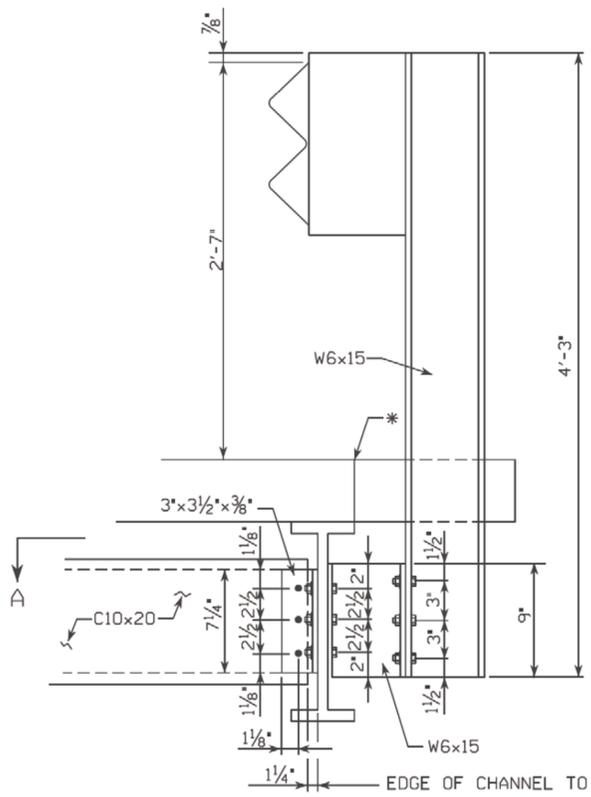
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PROJECT NO.	YEAR	SHEET NO.	
95052-4905-04	2015		
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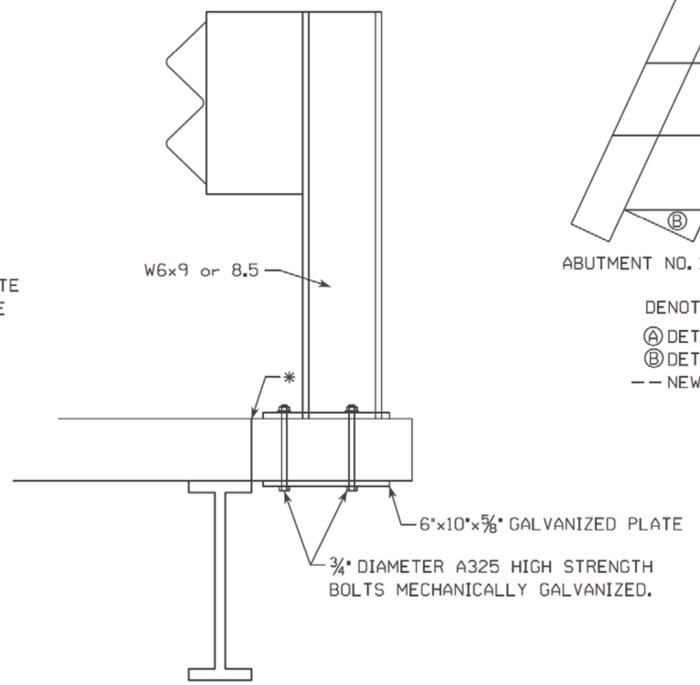


SEE DETAIL 'A' & 'B' THIS SHEET

CROSS SECTION

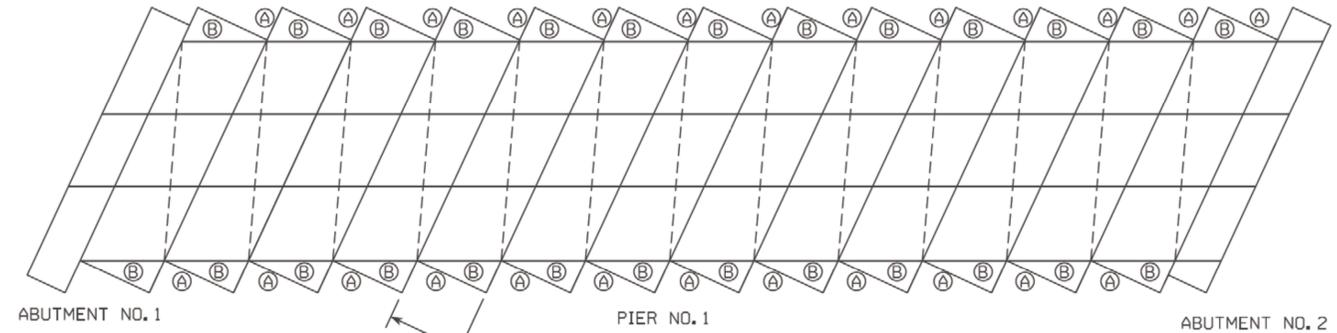


DETAIL 'A'



DETAIL 'B'

NOTE:
SEE S-GRS-2 DETAIL FOR CONCRETE DECK USED AS A RIDING SURFACE FOR DETAILS.



FRAMING PLAN
(SEE PARTIAL ELEVATION FOR SPACING)

DENOTES:
Ⓐ DETAIL A
Ⓑ DETAIL B
-- NEW CHANNEL DIAPHRAGM

NOTES:
ALL BOLTS 3/4" DIAMETER UNLESS OTHERWISE NOTED. BOLTS ARE TO BE A325. BOLTS, WASHERS AND NUTS ARE TO BE MECHANICALLY GALVANIZED.
ALL NEW STEEL TO BE GALVANIZED.
FOR GUARDRAIL TO POST CONNECTIONS, SEE S-GRS-2.
ADD 25'-0" END TERMINAL SHOWN ON S-GRT-3, S-GRA-3, S-GRT-3D PAST THE END OF THE BRIDGE AT EACH CORNER.
VERIFY NUMBER OF LONG AND SHORT POST REQUIRED BEFORE ORDERING PARTS.
HOLES FOR 3/4" BOLTS TO BE 1 1/8" DIAMETER.

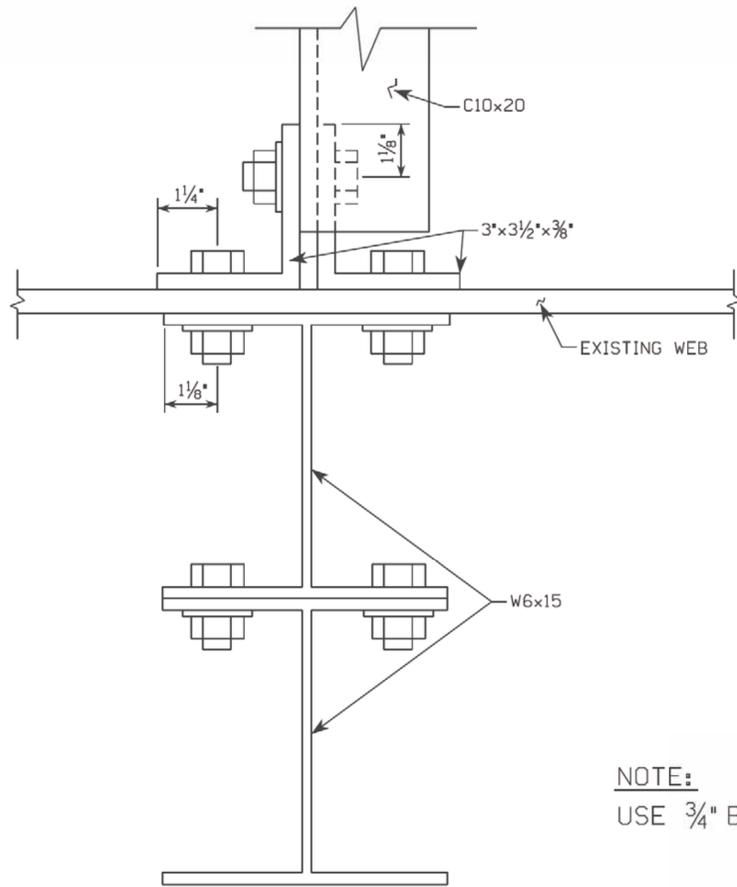
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BRIDGE REPAIR DETAILS
2017 OVER
HURRICANE CREEK
BRIDGE NO. 95-2017-7.74
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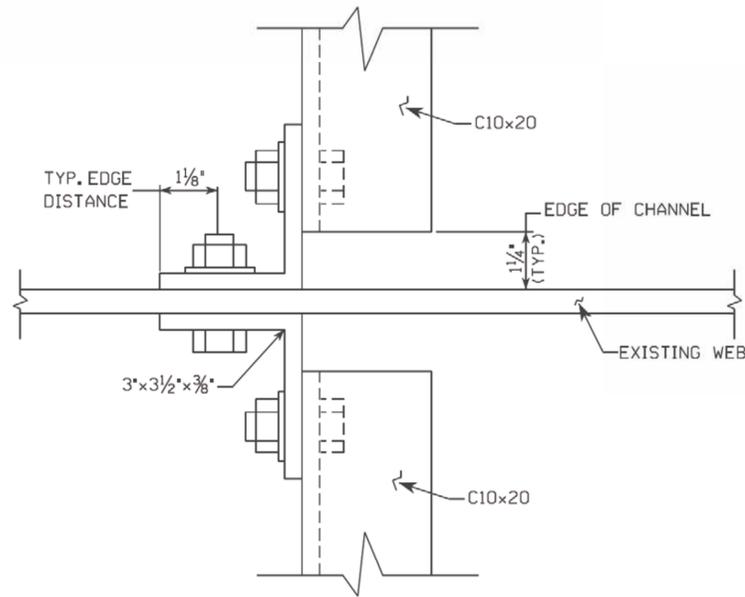
DESIGNED BY	Brian Egli	DATE	March, 2015
DRAWN BY	Cory Hawkins	DATE	March, 2015
SUPERVISED BY	Brian Egli	DATE	March, 2015
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SECTION A-A

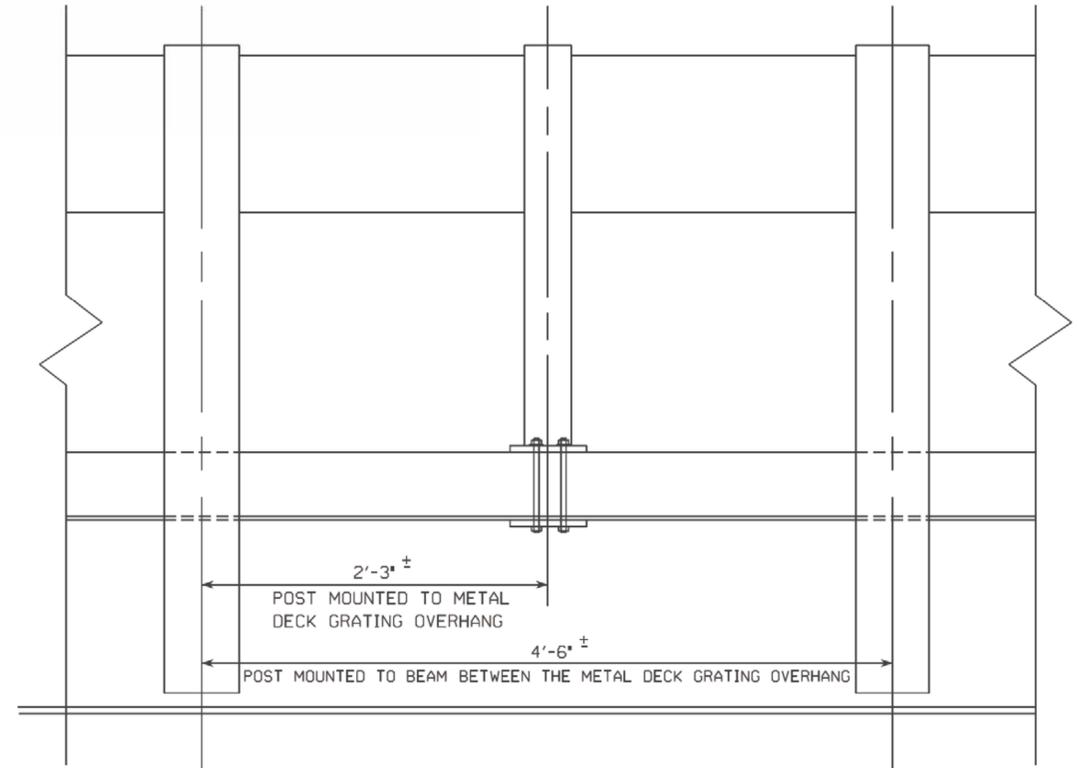
(NEW DIAPHRAGM AND POST CONNECTIONS AT EXTERIOR BEAMS)



SECTION B-B

(NEW DIAPHRAGM CONNECTIONS AT INTERIOR BEAMS)

NOTE:
USE 3/4" BOLTS, DRILL 13/16" DIAMETER HOLES



PARTIAL ELEVATION

NOTE:
FIELD DRILL GUARDRAIL MOUNTING HOLES AND SPLICES. DISTANCE FROM THE LAST 'B' POST TO FIRST DRIVEN POST PAST THE END OF THE BRIDGE SHALL BE 6'-3".

**UNOFFICIAL
SET**

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