

4. REMOVE 1/4" OF THE ORIGINAL DECK USING SCARIFICATION FOR THE PORTION TO RECEIVE PPC OVERLAY AND REPLACE WITH 21/4" OF

PPC OVERLAY.

NOTE

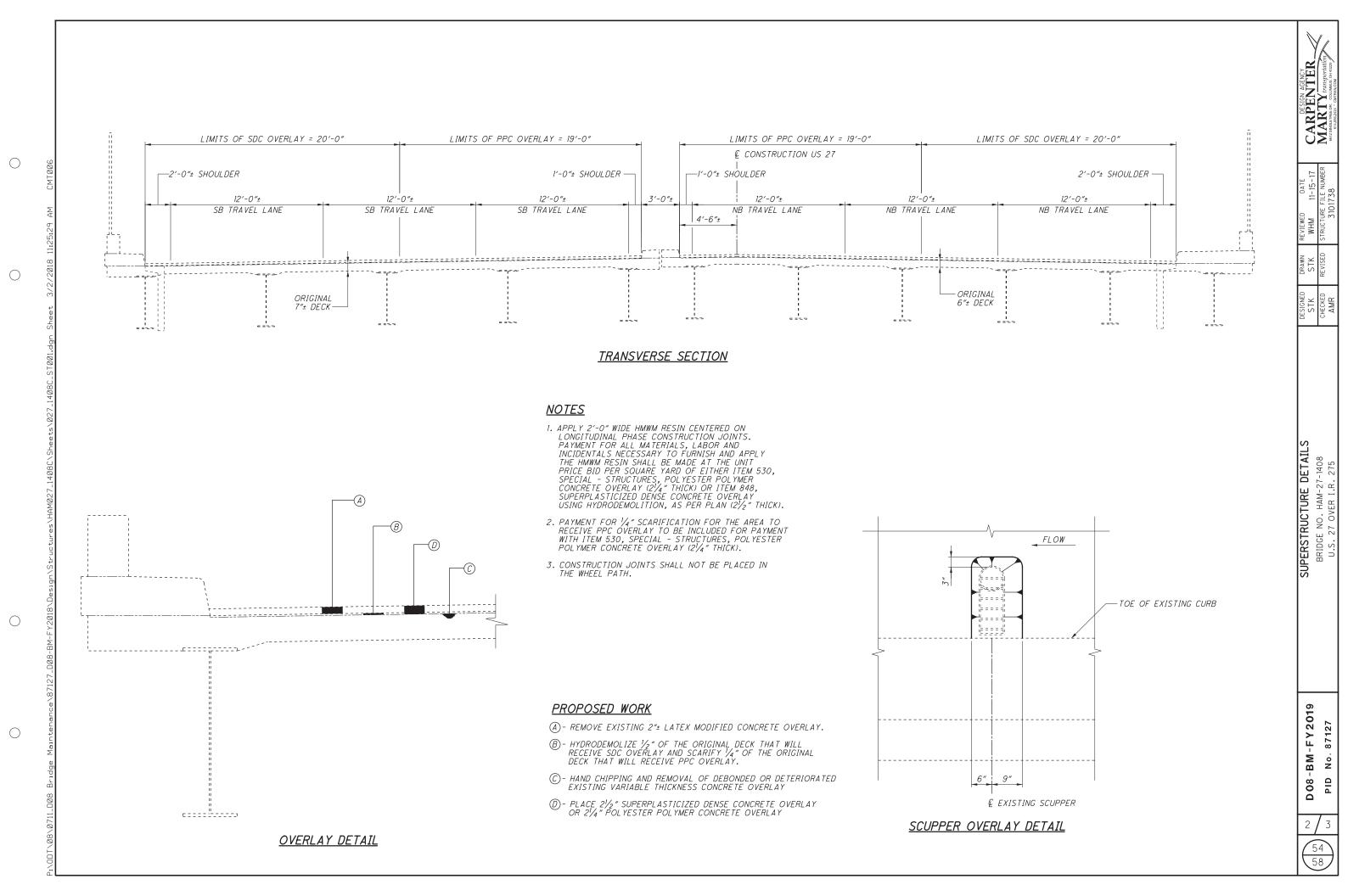
SEE SHEET 19 OF 58 FOR STRUCTURE QUANTITIES.

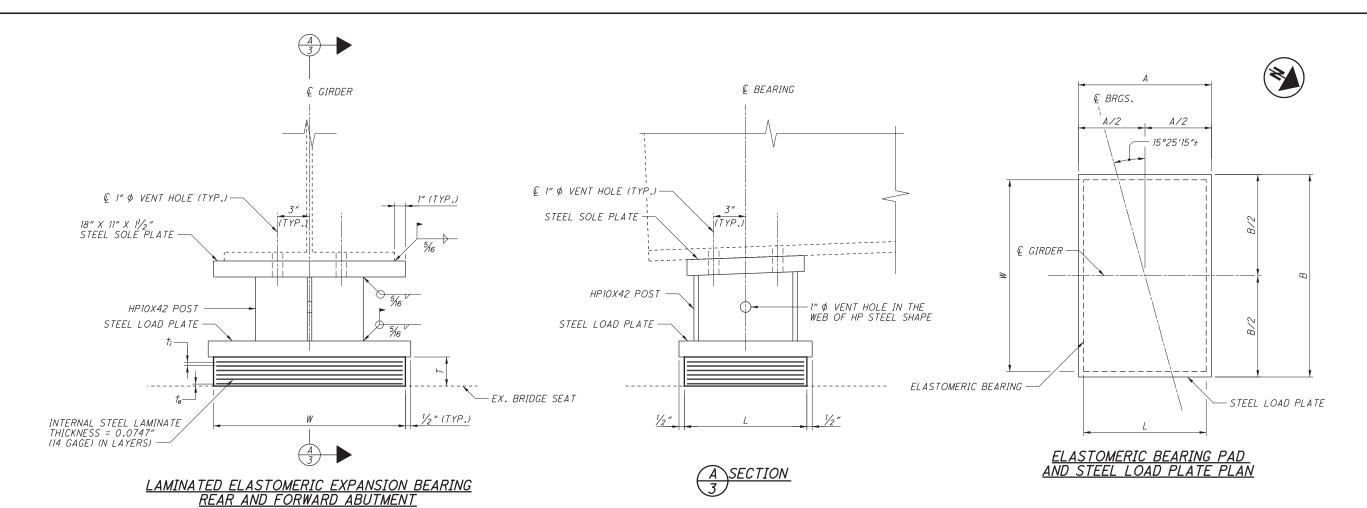
STRUCTURAL FILE NUMBER: 3101738

DISPOSITION: TO BE REHABILITATED

53 58

DATE BUILT: 1977





<u>NOTES</u>

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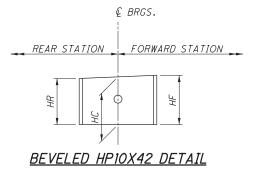
- THE BEARINGS WERE DESIGNED UNDER DIVISION I, SECTION 14.6.6 (METHOD A) OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
- 2. STEEL LOAD PLATES SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. ALL STEEL SHALL BE ASTM A 709 GRADE 50 AND BE COATED WITH A SHOP APPLIED, INORGANIC ZINC PRIME COAT ACCORDING TO C&MS 514. REPAIR COATING DAMAGED BY WELDING ACCORDING TO C&MS 514.22. FIELD PAINTING OF INTERMEDIATE AND FINISH COATS IS REQUIRED. PAINTING AND REPAIRS SHALL BE MADE AT THE UNIT PRICE BID PER EACH OF ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE).
- 3. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTING BOTTOM OF BEAM AND BEAM SEAT ELEVATIONS PRIOR TO THE JACKING OPERATIONS. THE CONTRACTOR IS TO SUBMIT THE VERIFIED ELEVATIONS TO SCOTT KRAMER, DISTRICT 8 BRIDGE DESIGN ENGINEER PRIOR TO THE JACKING OPERATIONS. APPROVAG OF THE ELEVATIONS IS NOT REQUIRED. THE CONTRACTOR IS TO DETERMINE THE FINAL HP SECTION HEIGHT BY SUBTRACTING THE EXISTING BEAM SEAT ELEVATION AND PROPOSED BEARING HEIGHT FROM THE EXISTING BOTTOM OF BEAM ELEVATION AT EACH BEARING LOCATION. THIS HP SECTION HEIGHT IS A CONTRACTOR CALCULATED DIMENSION AND ANY SHIMS NEEDED AS A RESULT OF THE CONTRACTOR'S ERROR WILL BE AT THE CONTRACTOR'S EXPENSE AND WILL NEED TO BE APPROVED BY THE DISTRICT 8 BRIDGE DESIGN ENGINEER.

FINAL HP SECTION HEIGHT = (CONTRACTOR'S BOTTOM OF STEEL ELEVATION)-(EXISTING BEAM SEAT ELEVATION)-(BEARING HEIGHT)

- 4. BASIS OF PAYMENT: PAYMENT FOR ALL MATERIALS, LABOR, DRILLING OF HOLES IN BEAM FLANGES AND PLATES, TESTING AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL THE ELASTOMERIC BEARINGS FOR THE BEAMS SHALL BE MADE AT THE UNIT PRICE BID PER EACH OF ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE). ALL COST ASSOCIATED WITH THE HP SECTIONS AND SOLE PLATES ARE CONSIDERED INCIDENTAL TO ITEM 516.
- 5. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE BEARING LOCATIONS ON THE BRIDGE AND A DIRECTION ARROW THAT POINTS UPSTATION. ALL MARKS SHALL BE PERMANENT AND VISIBLE AFTER BEARING IS INSTALLED.

	ELASTOMERIC BEARINGS												
	LOCATION	BEARING DIMENSIONS						STEEL LOAD PLATE			REACTIONS*		MAXIMUM
	LOCATION	L	W	†;	† _e	T	Ν	А	В	THICKNESS	DL	LL	TOTAL LOAD
	ABUTMENTS	111/2"	18"	0.4375"	0.25"	3.3232"	6	121/2"	19″	11/2"	90.0 k	57.45 k	147.45 k

* REACTIONS ARE UNFACTORED



LEGEND

- t; THICKNESS OF INTERNAL LAYERS
- t_e THICKNESS OF EXTERNAL LAYER
- T TOTAL THICKNESS OF ELASTOMERIC BEARING
- N NUMBER OF STEEL LAMINATES AND INTERNAL LAYERS INTERNAL STEEL LAMINATE THICKNESS = 0.0747 (14 GAGE)

	HP10)X42 H	HEIGHT	(H)				
Ri	EAR ABUTME	NT	FORWARD ABUTMENT					
GIRDER	LOCATION	H (IN.)	GIRDER	LOCATION	H (IN.)			
1	HR HC	4%± 4%±	1	НС	5¾±			
	HF HR	4 ¹ / ₁₆ ± 5±			5½ ±			
2	HC HF	5½6± 5½8±	2	HC				
3	HR HC HF	5½6± 5½8±	3	НС	5¾±			
4	HR HC	5 ³ / ₁₆ ± 5 ¹ / ₁₆ ± 5 ¹ / ₈ ±	4	НС	5½6±			
5	HF HR HC	5 ³ / ₁₆ ± 4 ³ / ₄ ± 4 ¹ / ₁₆ ±	5	НС	5½ ±			
6	HF HR HC HF	47/8± 51/4± 55/16±	6	НС	5½±			
7	HR HC HF	53/8 ± 53/16 ± 51/4 ± 55/16 ±	7	НС	53%±			
8	HR HC HF	5 7/6± 5 3/16 ± 5 1/4 ± 5 5/16 ±	8	НС	55/16±			
9	HR HC HF	5 / 16 ± 5 ! / 16 ±	9	НС	5¾6±			
10	HR HC HF	4 ¹ / ₁₆ ± 4 ³ / ₄ ± 4 ¹ / ₁₆ ±	10	НС	5¾6±			
11	HR HC HF	5½6± 5½8± 5¾6±	11	НС	4 ¹⁵ / ₁₆ ±			

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CARPENTER
MARTY transportation