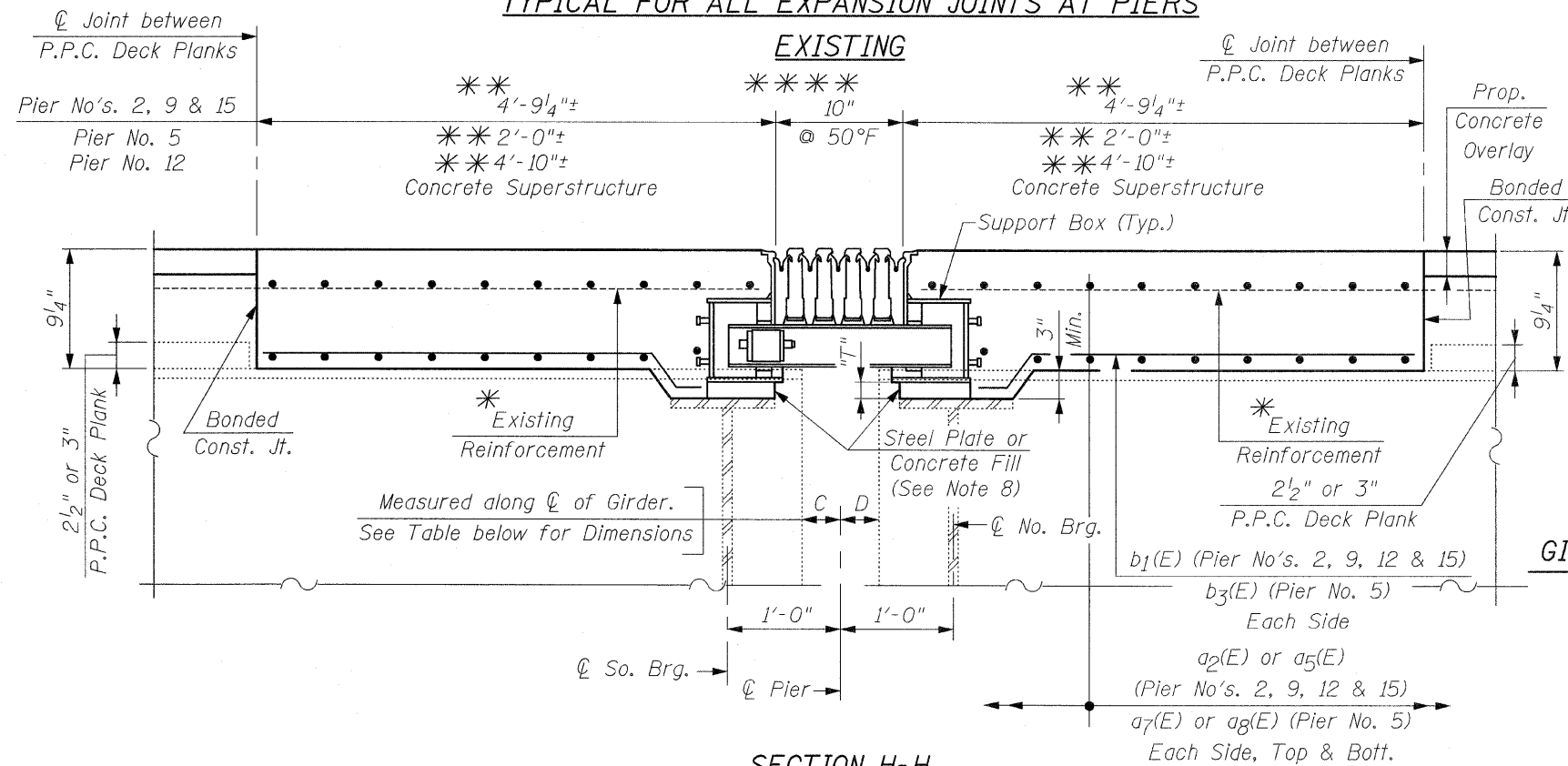


SECTION H-H  
TYPICAL FOR ALL EXPANSION JOINTS AT PIERS



SECTION H-H  
TYPICAL FOR ALL EXPANSION JOINTS AT PIERS  
PROPOSED

**MODULAR EXPANSION JOINT NOTES:**

1. Modular Expansion Joint shall be designed according to the latest ASTM Specifications for HS20 Loading with 30% impact and for minimum movement of 3"± (Total of 6"). See Special Provision for Modular Expansion Joint.
2. Joint shall be fabricated and installed according to the manufacturer's recommendations and as approved by the Engineer. Support Brackets may be added as required by Modular Expansion Joint fabricator. Cost included with Modular Expansion Joint.
3. Joint shall be fabricated to conform to the existing Cross Slopes. Match existing conditions.
4. Cost of all hardware and installation of Steel Bearing Shim Plates and additional reinforcement required to anchor the Joint to the Slab shall be included with Modular Expansion Joint.
5. The inorganic zinc rich primer/acrylic/acrylic paint system shall be used for shop and field painting of new structural steel except no top coat required in non-exposed areas. The color of the acrylic finish coat shall be Gray, Munsell No. 5B 7/1. See Special Provision for Cleaning and Painting New Metal Structures.
6. Modular Expansion Joints Shall be Assembled in Their Final Relative Positions With the Ends in Place for Shop Inspection and Acceptance.
7. Support Box Shall be Rigidly Attached to Diaphragms and Beams by Adjustable Brackets, Stools or Shims. Support Box Spacing Shall be Designed by the Joint Manufacturer.
8. If distance "T" from bottom of Support Box to top of diaphragm is 3" or less, use steel plates. If distance "T" is more than 3", extend b<sub>1</sub>(E) or b<sub>3</sub>(E) bars and fill with concrete. If steel plates are used, the minimum plate size shall be 1" except for the fractional portion of the dimension. For example: If distance "T" is 2 3/4", only the 3/4" portion of the thickness can use plates that fall below the 1" minimum. See Detail "A" for Stacked Plate Steel Extension. Cost included with Modular Expansion Joint, 6".

\* Existing Reinforcement Bars extending into removal area shall be cleaned, straightened and incorporated into the new Construction. Cut or bend the Existing Reinforcement Bars as required to miss Support Boxes by 1/2". Any Reinforcement Bars that are damaged during Concrete Removal shall be replaced with an approved Bar Splicer or Anchorage System. Cost included with Concrete Removal.

\* \* \* \* \*  
\* The Contractor shall locate and verify the exact location of the boundaries of the existing PPC Plank being removed prior to Saw cutting and removal. The Contractor must adjust Reinforcement based on the actual Joint location. The Contractor shall use extreme care during Concrete Removal to avoid damaging the Adjacent existing PPC Planks that are to remain in place. If the Resident Engineer determines that the existing Planks that are to remain are damaged due to the Contractor's operations, the damaged Planks shall be repaired or replaced at the Contractor's expense.

\* \* \* \* \*  
\* \* \* \* \* Length of Block Outs, Width of Joints, Number of Reinforcement Bars and Bar Splicers that are needed may vary as required by the Joint Manufacturer.

**GIRDER END DISTANCES FROM  $\phi$  OF PIER**

LOCATION	DIMENSIONS	
	C	D
Pier No. 2	4 1/2"	3"
Pier No. 5	3 13/16"	2 9/16"
Pier No. 9	3"	6"
Pier No. 12	6"	6"
Pier No. 15	3"	4 1/4"

**NOTE:**  
Work This Sheet With Shi's. S18 thru S24

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