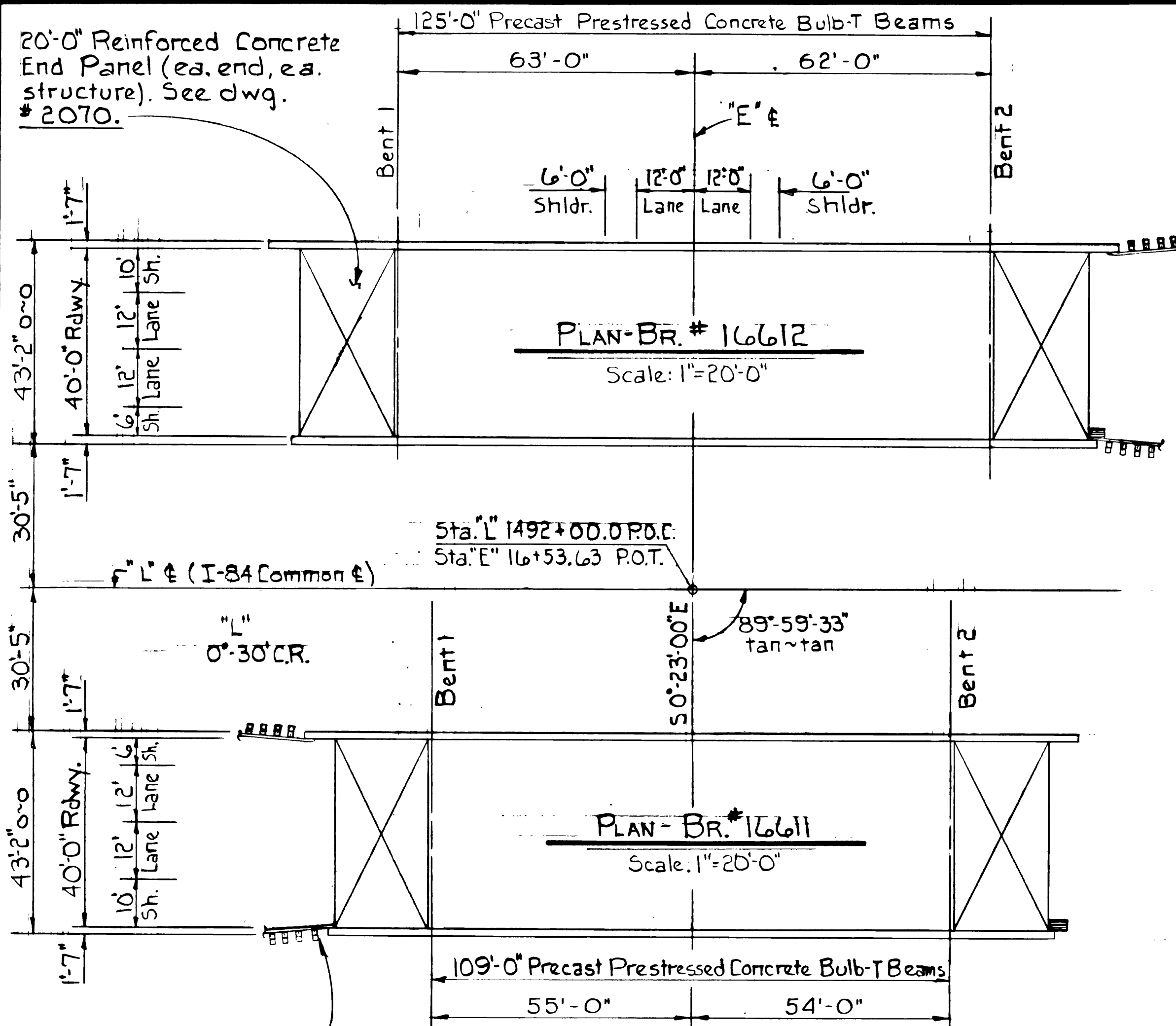
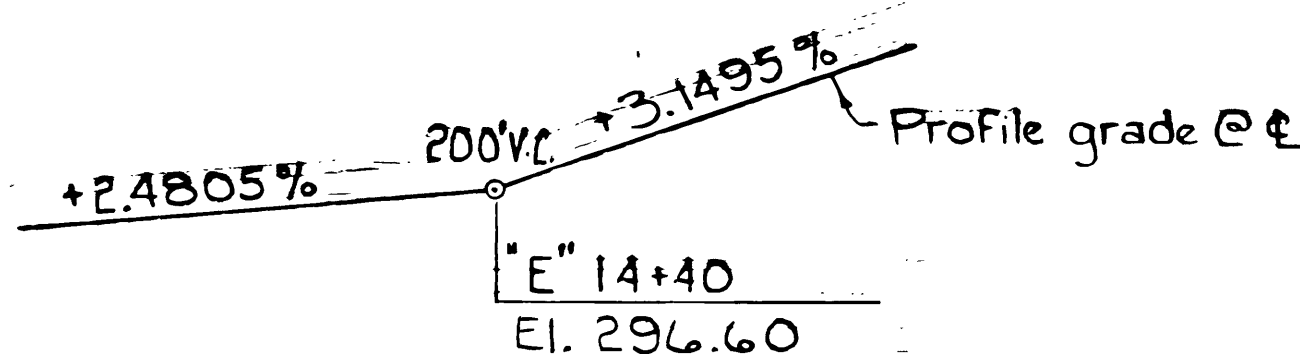
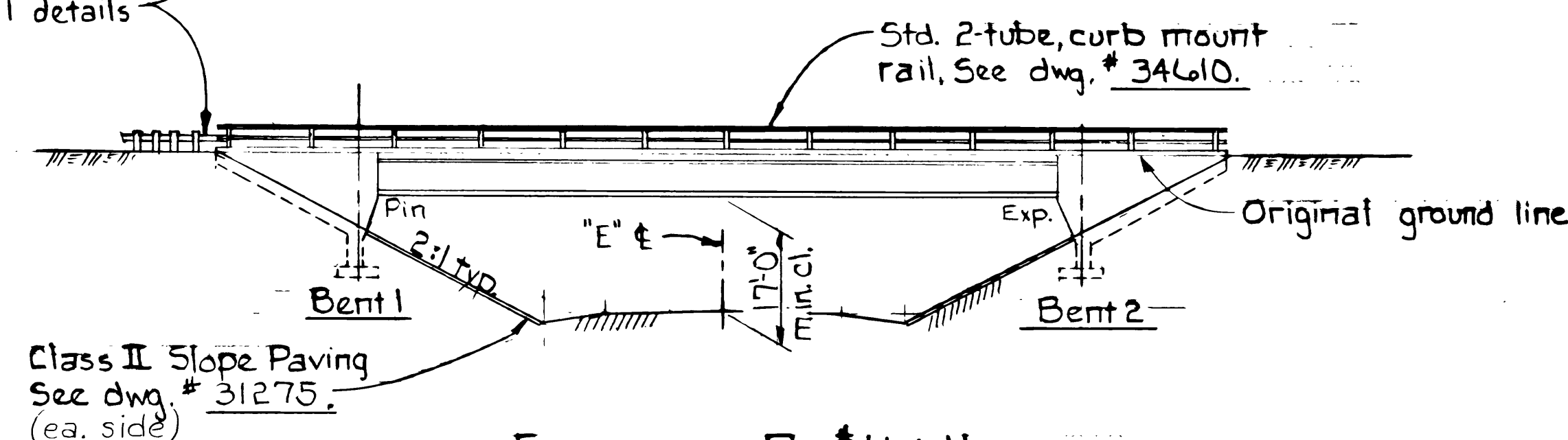


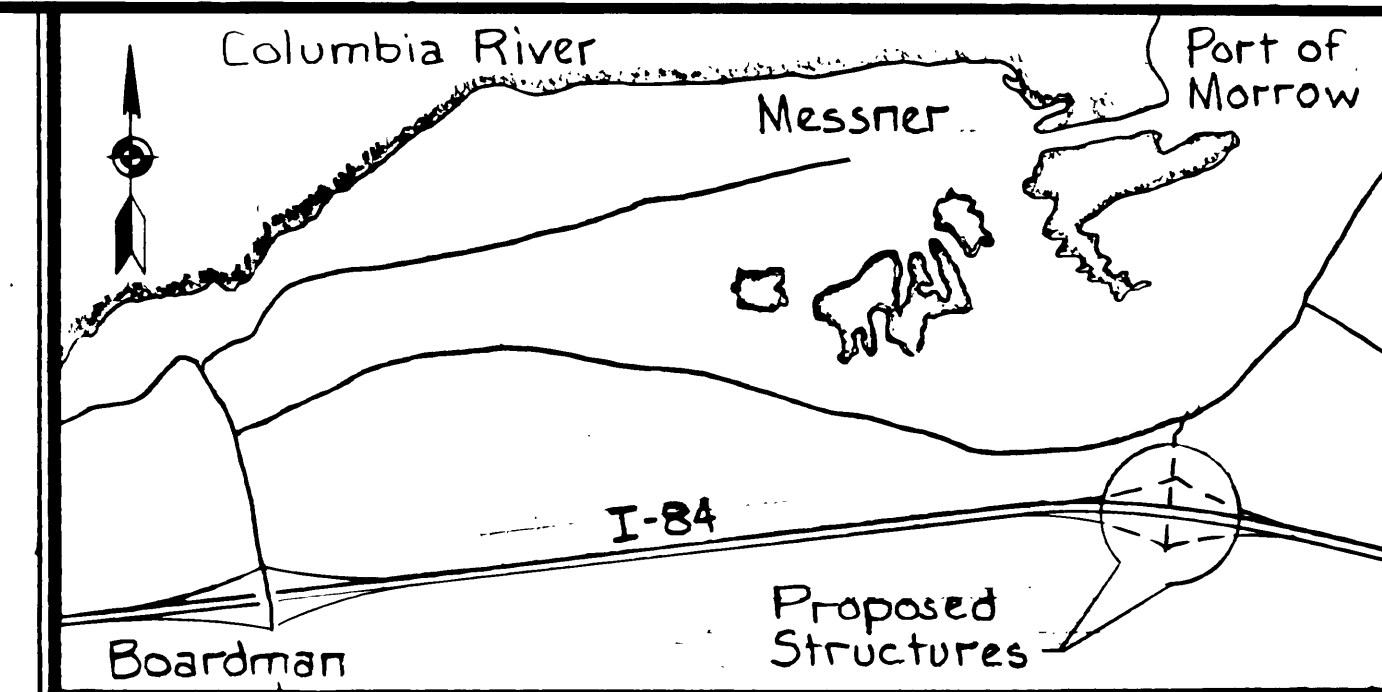
20'-0" Reinforced Concrete End Panel (ea. end, ea. structure). See dwg. #2070.



See Grading Plans for guardrail details



NOTE:
All bents are 90° to a chord between E's.



VICINITY MAP

GENERAL NOTES:

All material and workmanship shall conform to the Standard Specifications for Highway Construction of the Oregon State Highway Division.

Bridges designed for H525 and Military loadings with an allowance of 50psf for future wearing surface.

Concrete members except prestressed members designed by Load Factor Design Method.

Prestressing steel shall be in accordance with detail plans.

All other reinforcing steel shall conform to ASTM Specification A615 (SI) Grade 60. The following splice lengths shall be used unless shown otherwise:

Bar Size	3	4	5	6	7	8
Splice Length	1'-0"	1'-4"	1'-8"	2'-0"	2'-9"	3'-7"

All reinforcing steel in the upper portion of the deck shall be epoxy coated. This includes top longitudinal bars and top transverse bars including "truss" bars and all bars extending from the deck into the curb.

All bars shall be placed 2" clear of the nearest face of concrete unless shown otherwise. The top bends of stirrups extending from beam stems into the top slab shall be field bent.

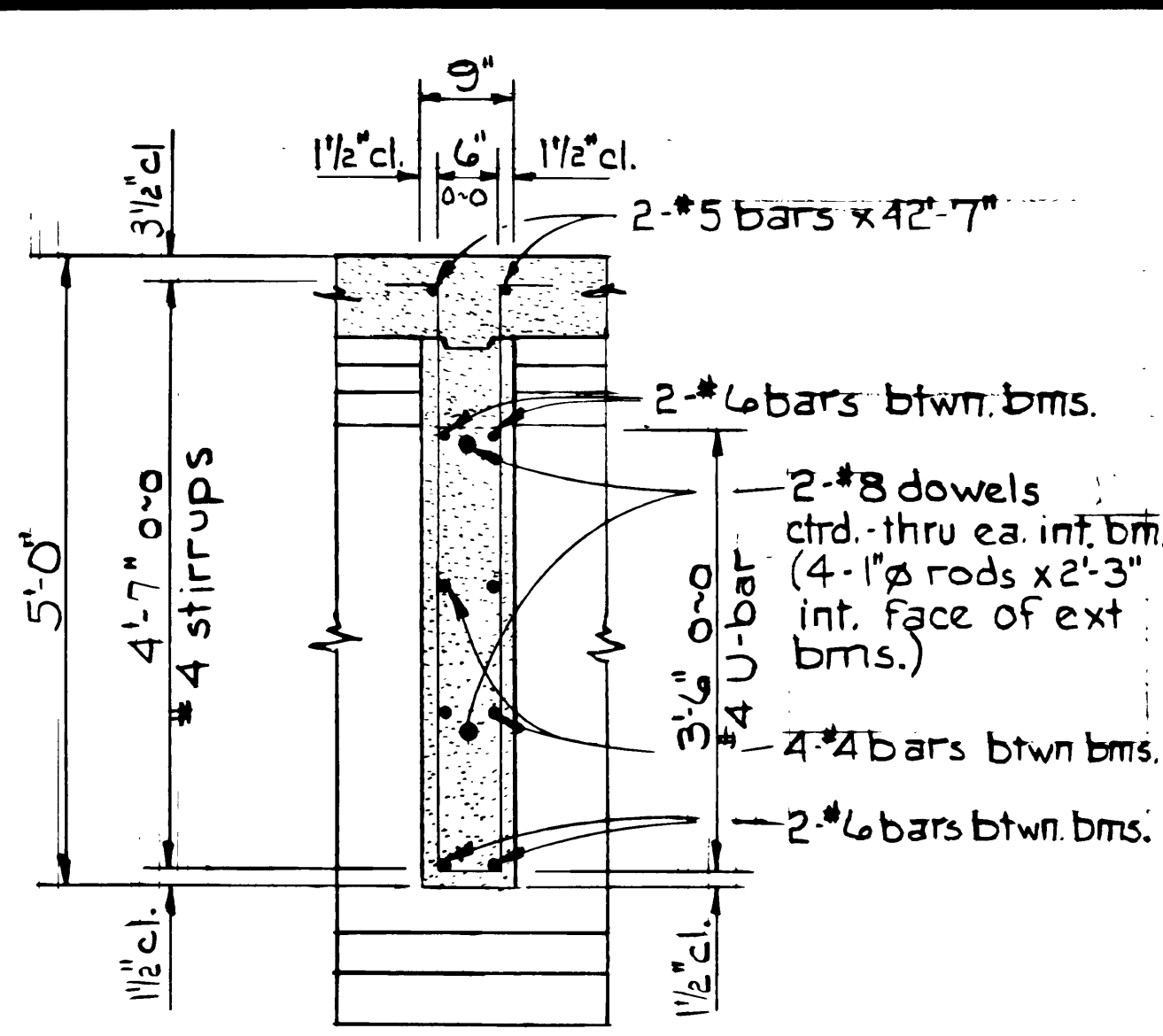
Reinforcing steel for abutments and wingwalls shall not be fabricated until final footing elevations have been determined in the field.

Concrete in prestressed precast beams shall be as shown on the detail plans.

Concrete in deck shall be Class 4,500-1 1/2".

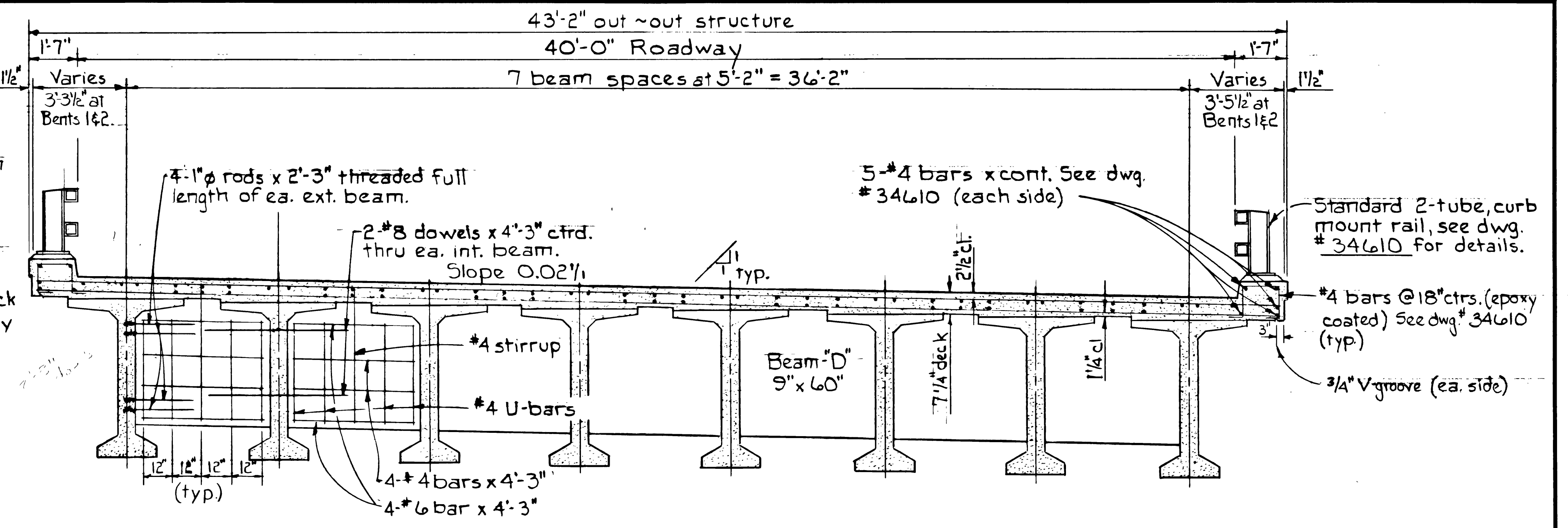
All other concrete shall be Class 3,300-1 1/2".

APPROVED: <i>Walter J. Robert</i> BRIDGE ENGINEER <i>E. J. Tomlinson</i> ASST. STATE HIGHWAY ENGINEER DESIGNED: W.M. Thompson DRAWN: J. Silbernagel CHECKED: J. Page REVIEWED: M. Tindall 11-27-83 CALC. BOOK: 1919	OREGON DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN SECTION PORT OF MORROW INTERCHANGE PORT OF MORROW INTERCHANGE SECTION COLUMBIA RIVER HWY. (I-84) MORROW COUNTY PLAN & ELEVATION ACCOMPANIED BY DWGS. 38014 thru 38022, 2070, 22970, 31275 & 34610 DATE Jan. 1983 BRIDGE NO. 16611 & 16612 SHEET 1 OF 14 DRAWING NO. 38013
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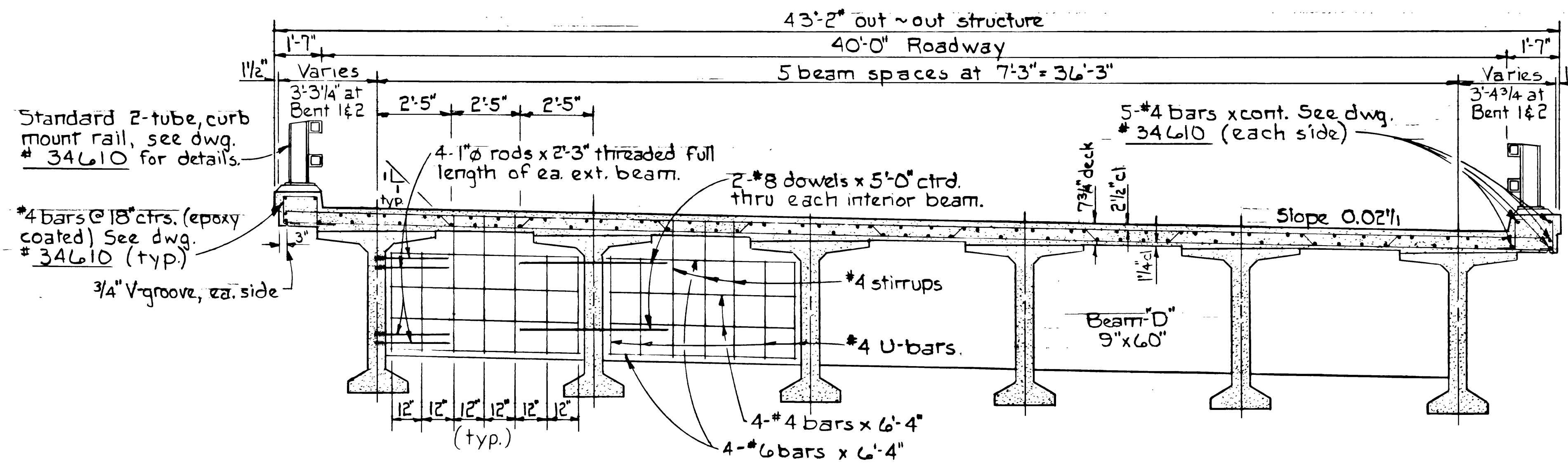


BEAM D - BR.#16611 & 16612
Scale: 3/4"=1'-0"

DECK STEEL: BR.#16612
#5 straight transverse bars at 10" ctrs., top & bottom.
Place transverse bars parallel with bent bars.
Stop transverse bars 6"± clear of all transverse beams.
Top straight bars shall be epoxy coated.
39 - #4 longitudinal bars in top of deck (includes hanger bars) as shown (epoxy coated).
21 - #5 longitudinal bars in bottom of deck as shown.

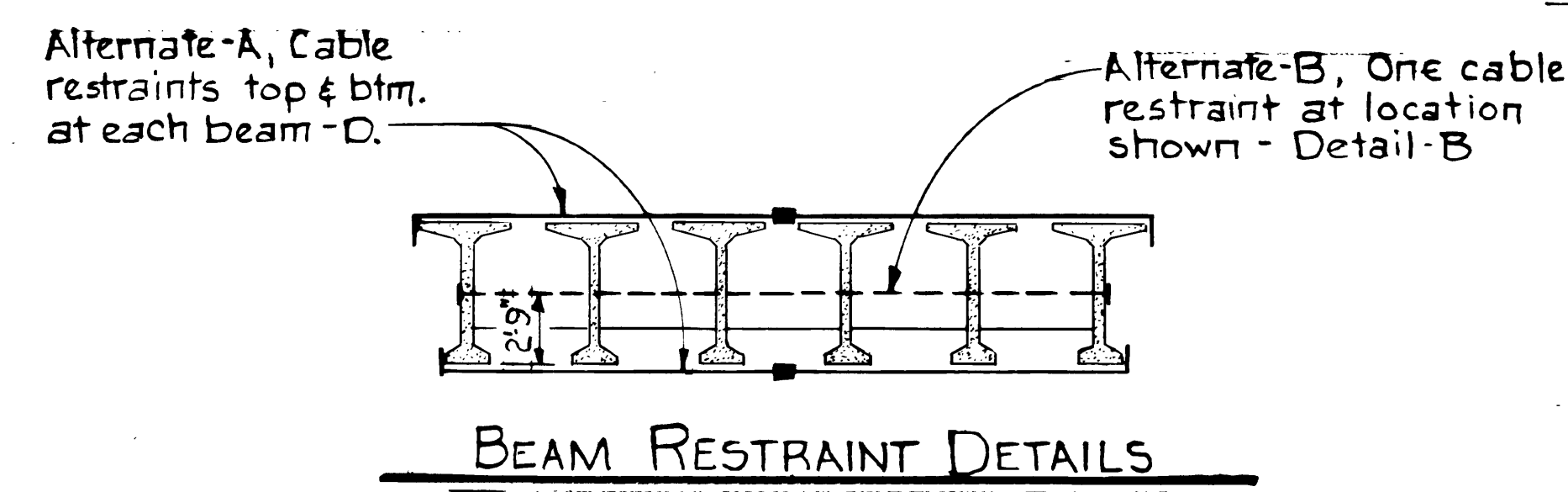
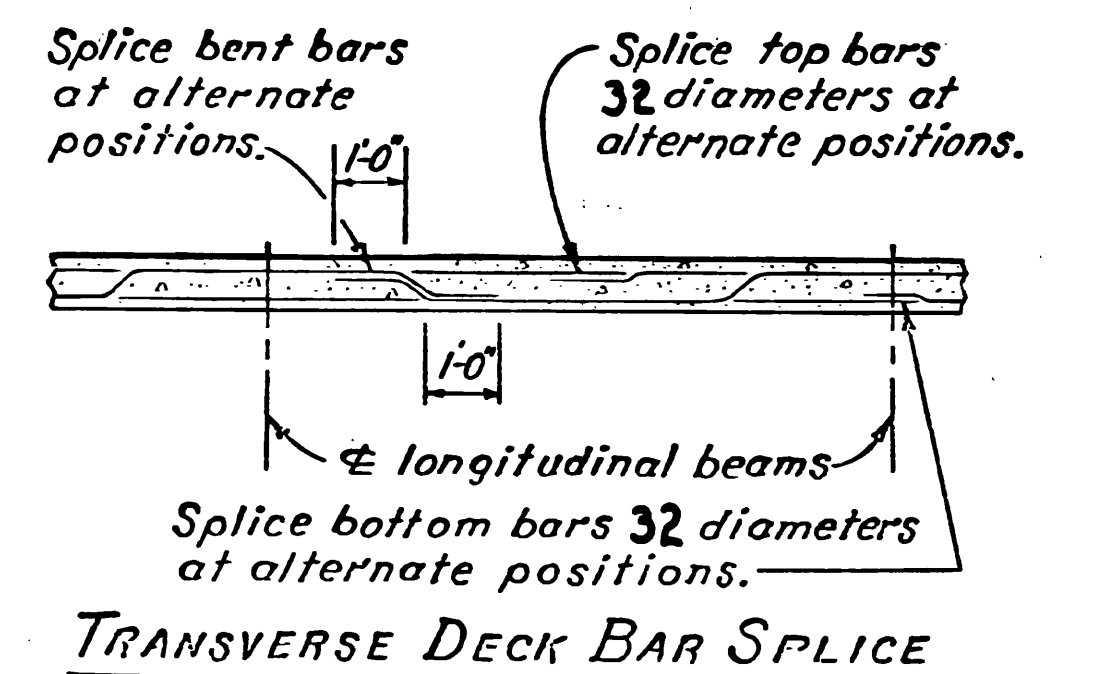


DECK SECTION - BR.#16612
Scale: 3/8"=1'-0"



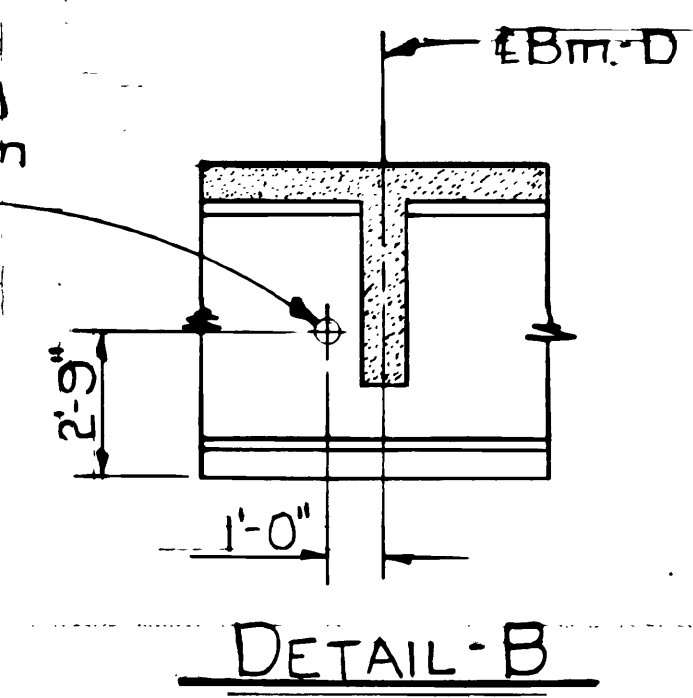
DECK SECTION - BR.#16611
Scale: 3/8"=1'-0"

DECK STEEL - BR.#16611
#5 straight transverse bars at 17" ctrs. top & bottom.
#5 bent transverse bars at 17" ctrs. Alternate straight & bent bars at 8 1/2" ctrs.
Place transverse bars parallel with bent bars.
Stop transverse bars 6"± clear of all transverse beams.
Top straight & bent bars shall be epoxy coated.
44 - #4 longitudinal bars in top of deck (includes hanger bars) as shown (epoxy coated).
32 - #5 longitudinal bars in bottom of deck as shown.



Snug fit prestressed beams against forms prior to diaphragm beam pour. Let concrete take initial set then revibrate. Restraints to remain in place a minimum of two days after completion of diaphragm pour. (Shown for Br.#16611, Br.#16612 is similar)

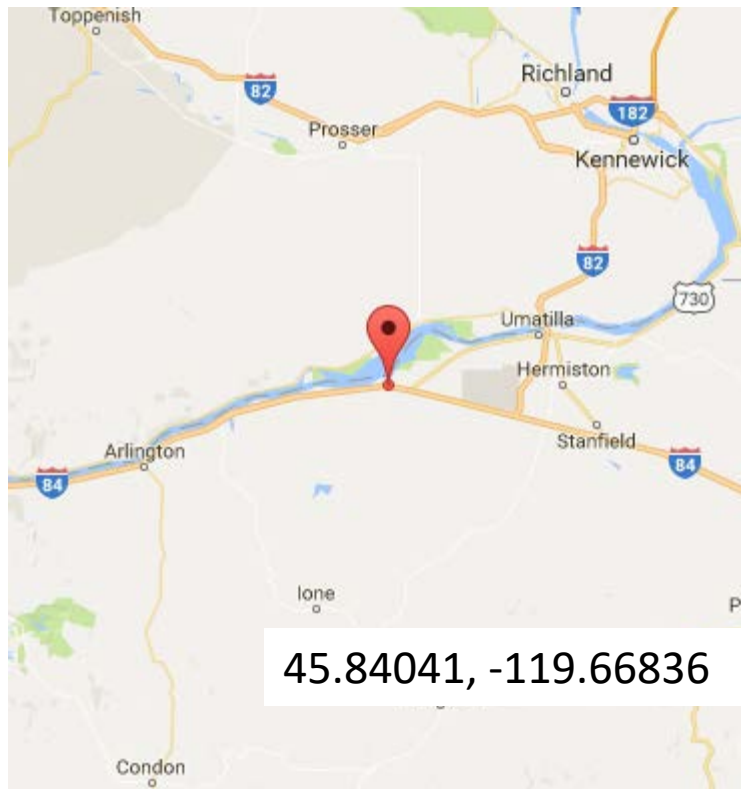
1" dia. hole thru all precast beams at ea. beam-D. After restraint is removed, fill hole with concrete and finish flush with surface of beam (ext. bms only)



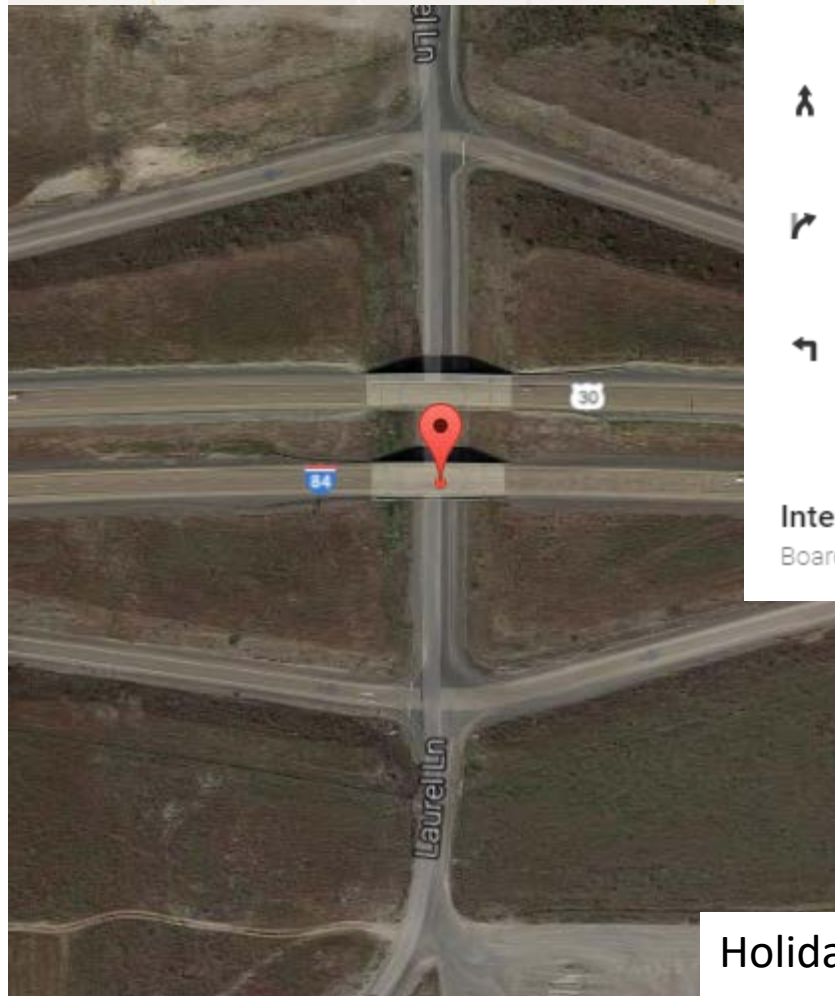
APPROVED: *Walter J. Blum*
BRIDGE ENGINEER
DESIGNED: W.M. Thompson
DRAWN: J. Silberhage
CHECKED: Page
REVIEWED: J.E. B. 1-25-83
CALC. BOOK 1913

DATE	REVISION
6/11/85	AS CONSTRUCTED

OREGON DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN SECTION	
PORT OF MORROW INTERCHANGE	
DECK SECTIONS	
DATE Jan. 1983	SHEET 5 OF 14
BRIDGE NO. 16611 & 16612	DRAWING NO. 38017



45.84041, -119.66836



41 min (45.5 miles)



via I-84

40 min without traffic

Holiday Inn Express Pendleton

600 Southeast Nye Avenue, Pendleton, OR 97801

↑ Head west on SE Nye Ave toward SE 6th St

0.2 mi

➤ Turn right onto SE 3rd Dr

226 ft

↑ Continue onto OR-11 N

463 ft

⤴ Turn left onto the I-84 W ramp to Portland

0.3 mi

⤴ Merge onto I-84

44.5 mi

➤ Take exit 165 toward Port of Morrow

0.3 mi

⤵ Turn left onto Laurel Ln

i Destination will be on the left

404 ft

Interstate 84

Boardman, OR 97818

Time to hotel: 40 min

Holiday Inn Express Pendleton

600 SE Nye Ave, Pendleton, OR 97801
(541) 966-6520

16611 002 16576

Bridge 3 - Oregon

[Portal Link](#)

NBI data

Important NBI Attributes

1 - State Name	Oregon
8 - Structure Number	16611 002 16576
Bridge Name	I-84 (HWY 2) EB over PORT OF MORROW I/C (EB)...
26 - Functional Class Of Inventory Rte.	1 - Rural Principal Arterial - Interstate...
48 - Length Of Largest Span	33.2
49 - Total Length	33.2
52 - Deck Width	13.2
34 - Skew	0
22 - Owner	1 - State Highway Agency
27 - Year Built	1984
37 - Historic Significance	4 - Historical significance is not determinable at this time....
31 - Design Load	9 - MS 22.5 / HS 25
45 - Number Of Main Spans	1
43A - Main Span Materials	5 - Prestressed concrete *
43B - Main Span Design	2 - Stringer/Multi-beam or girder
107 - Deck Type	1 - Concrete Cast-in-Place
108A - Wearing Surface	1 - Monolithic Concrete (concurrently placed with structura...