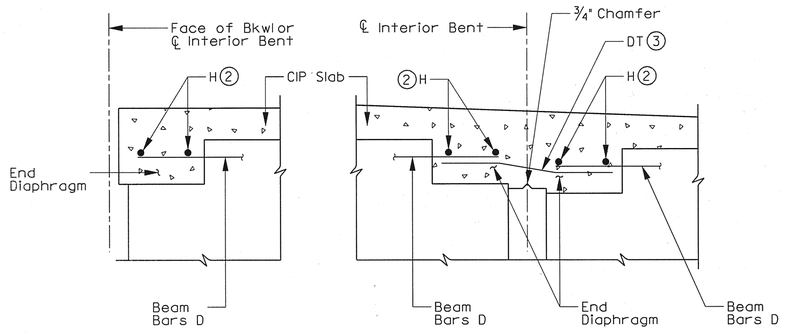
TABLE OF ESTIMATED QUANTITIES - UNIT 1

SPAN NO.	REINF CONCRETE SLAB	PRSTR CONCRETE BEAM (4B28)	PRSTR CONCRETE BEAM (5B28)	CLASS S CONCRETE (SLAB)	CLASS (9) S CONCRETE (SDWLK)	(7) REINF STEEL
	SF	LF	LF	CY	CY	LB
1	1,786	91.96	235.45	47.3	18.0	11,609
2	4,111	211.14	563.04	105.6	17.5	26,720
3	2,281	115.40	317.51	59.7	20.1	14,828
TOTAL	8,178	418.50	1,116.00	212.7	55.5	53,157

TABLE OF SECTION DEPTHS - UNIT 1

SPAN NO.	BEAM NO.	"X" AT C.L. BRG	"Y" AT C.L. BRG	(8) "Z" AT C.L. SPAN
1	1, 10 & 11	9 1/2"	3'-1 1/2"	9 1/2"
	2-9	9 1/2"	3'-1 1/2"	9 1/4"
2	1, 10 & 11	11"	3'-3"	9 3/4"
	2-9	11"	3'-3"	9 1/2"
3	ALL	9 1/2"	3'-1 1/2"	9 1/4"



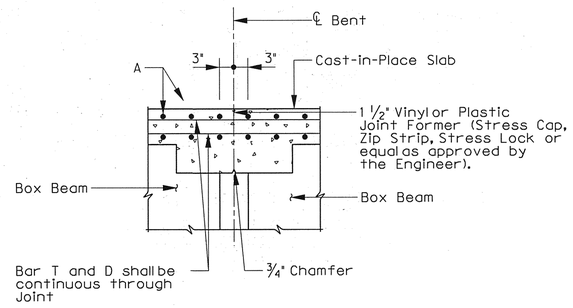
ABUTMENT OR (1) INTERIOR BENT

INTERIOR BENT
(Without Expansion Joint)

TYPICAL END DIAPHRAGM SECTIONS

SCALE: NTS

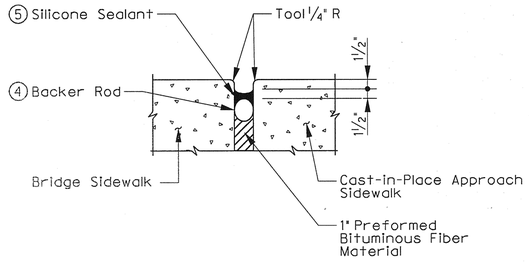
(Along centerline of Box Beam)
(Slab reinforcing not shown for clarity)



CONTINUOUS SLAB DETAIL

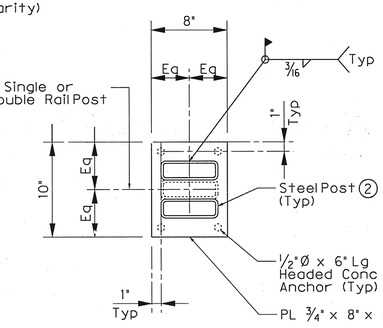
SCALE: NTS

(Diaphragm reinforcing not shown for clarity)



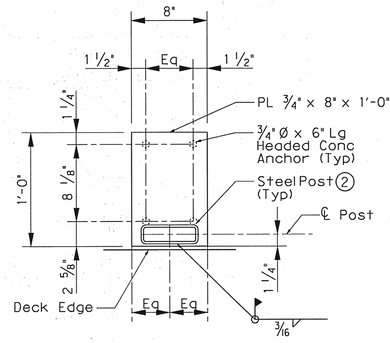
CONTINUOUS SLAB DETAIL

SCALE: NTS



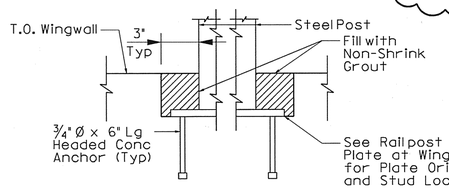
TYPICAL RAIL POST EMBED PLATE DETAIL

SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT BRIDGE SEJ DETAIL

SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT WINGWALL CORNERS SECTION

SCALE: 1/4" = 1'-0"

(1) See Bridge Layout for Joint type.

(2) Provide 1 1/2" end cover to Bars H. After all beams have been placed, weld one Bar H to two Bars D at each end of all beams.

(3) Lap Bars DT 9" Min with each Beam Bar D at Interior Bents without Expansion Joints. Bars DT shown bent for clarity only.

(4) Backer Rod shall be 25% larger than joint opening and shall be compatible with the sealant; no reaction shall occur between the rod and the sealant.

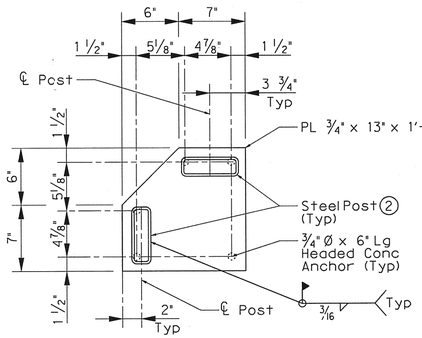
(5) Sealant shall be Class 7 silicone sealant. Install when ambient temperature is between 55° F and 85° F and rising. Engineer is to determine allowable hours for sealant application.

(7) Reinforcing steel weight is calculated using an approximate factor of 6.5 lbs/SF.

(8) Theoretical Dimension.

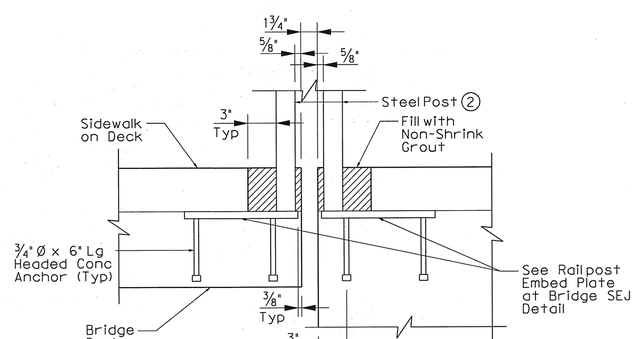
(9) Quantity is for contractor's information only. Quantity includes sidewalk on approach slab.

BAR TABLE	
Bar	Size
A	#5
B	#5
D	#5
DT	#5
H	#5
SA	#3
ST	#3
T	#4



RAIL POST EMBED PLATE AT WINGWALL CORNERS DETAIL

SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT BRIDGE SEJ SECTION

SCALE: 1/4" = 1'-0"

05.14.10

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NO.	REVISION	BY	DATE
1	ADDENDUM #1	ESC	5/14/10

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

VITRUVIAN PARK BRIDGES
BELLA LANE

DECK DETAILS

HALFF
1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275
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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
27379	ESC	AHH	APRIL 2010	-	S2-13