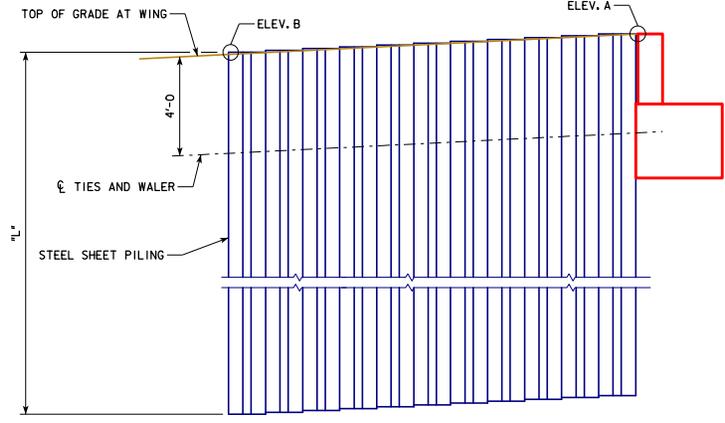


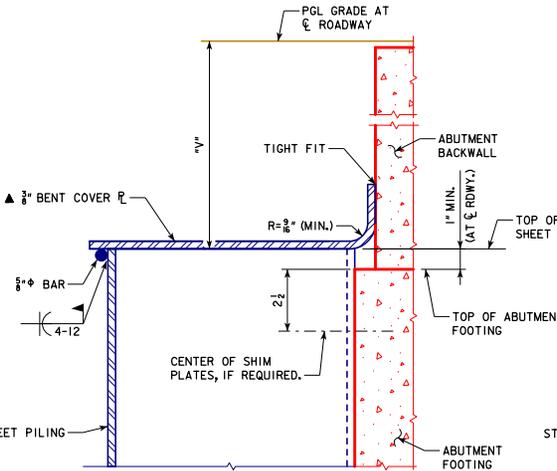
### SHEET PILE DATA TABLE

SPAN	REINFORCED CONCRETE BOX BEAMS			PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS				
	30'-0"	40'-0"	50'-0"	30'-0"	40'-0"	50'-0"	60'-0"	70'-0"
"v"	2'-3 3/4"	2'-3 3/4"	2'-9 3/4"	1'-9 3/4"	1'-9 3/4"	2'-3 3/4"	2'-3 3/4"	2'-9 3/4"

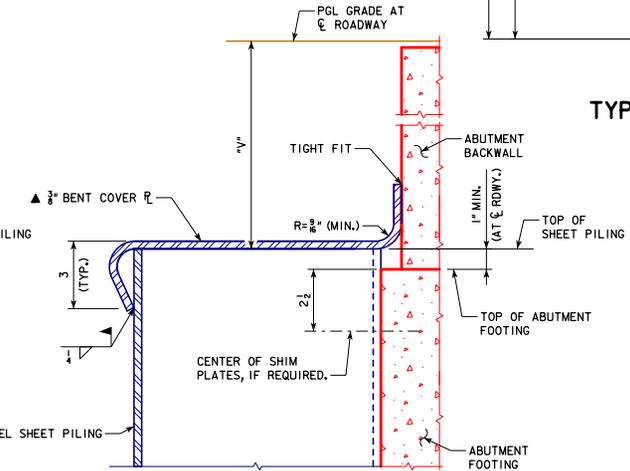
\* SHEET PILE AREA (S.F.) = ((15'+15'+2'+2') X (L)+(30') X (L-V))  
 \* INCLUDES AREA OF CORNER SHEET PILES ASSUMING EXPOSED SURFACE AREA OF EACH CORNER PILE IS 2'-0". EQUATION IS FOR AREA OF SHEET PILING AT ONE ABUTMENT. AREA FOR SHEET PILING AT EACH ABUTMENT SHALL BE CALCULATED BECAUSE THEY MAY BE DIFFERENT FROM EACH OTHER DEPENDING ON GEOMETRICS.



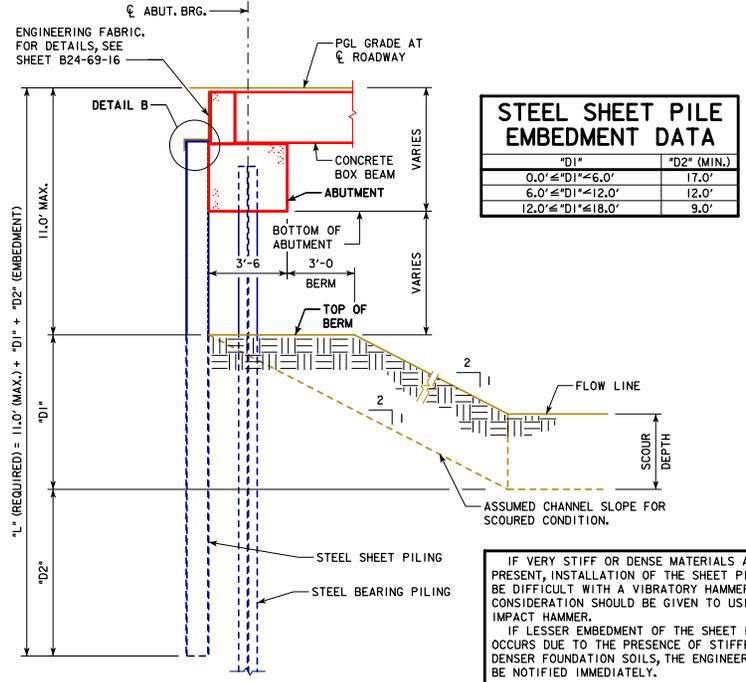
**WING ELEVATION**  
(SLOPING GROUND LINE ALONG FRONT FACE OF WING NOT SHOWN.)



**DETAIL B (ALTERNATE)**  
(ENGINEERING FABRIC NOT SHOWN)



**DETAIL B**  
(ENGINEERING FABRIC NOT SHOWN)



STEEL SHEET PILE EMBEDMENT DATA	
"D1"	"D2" (MIN.)
0.0' ≤ "D1" ≤ 6.0'	17.0'
6.0' ≤ "D1" ≤ 12.0'	12.0'
12.0' ≤ "D1" ≤ 18.0'	9.0'

IF VERY STIFF OR DENSE MATERIALS ARE PRESENT, INSTALLATION OF THE SHEET PILES MAY BE DIFFICULT WITH A VIBRATORY HAMMER AND CONSIDERATION SHOULD BE GIVEN TO USING AN IMPACT HAMMER.  
 IF LESSER EMBEDMENT OF THE SHEET PILE OCCURS DUE TO THE PRESENCE OF STIFFER OR DENSER FOUNDATION SOILS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

### TYPICAL SECTION THRU ABUTMENT

NOTES:  
 THE SHEET PILING SHALL BEAR UNIFORMLY AGAINST THE ABUTMENT PRIOR TO BACK FILLING. 6" x 6" SHIM PLATES SHALL BE USED TO PROVIDE UNIFORM BEARING.  
 THE INTENDED PURPOSE OF THE COVER PLATES IS TO PREVENT THE BACKFILL FROM SPILLING BETWEEN THE BURIED SHEET PILING AND THE ABUTMENT. THE COVER PLATE MAY BE MADE UP OF INDIVIDUAL PLATES OF 10'-0" MINIMUM LENGTH WITH 4" MINIMUM LAPS THAT ARE SEAL WELDED.  
 FOR ADDITIONAL COVER PLATE DETAILS, SEE SHEET B24-09-16.

LATEST REVISION DATE	
	STANDARD DESIGN - 24'-0" ROADWAY, SINGLE SPAN <b>CONCRETE BOX BEAM BRIDGES</b>
	DECEMBER, 2016
APPROVED BY BRIDGE ENGINEER 	<b>STEEL SHEET PILING DETAILS</b> 0° SKEW (SHEET 2 OF 3)
	<b>B24-08-16</b>