

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY	SN 072-0077	SN 072-0079		LIGHTING/ ITS/RWIS	
				90%FEDERAL	90%FEDERAL	90%FEDERAL		90%FEDERAL	
				10% STATE	10% STATE	10% STATE	100% STATE	10% STATE	
				0006	0047	0047	0006	0021	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2102	2102					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2102	2102					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4					
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4					
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520	520					
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	214	214					
73400100	CONCRETE FOUNDATIONS	CU YD	1.4	1.4					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	257892	257892					
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	29348	29348					
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	7730	7730					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	380	380					
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	174	174					
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2247	2247					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2247	2247					
X 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1						1
X 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	275						275

REV. 5/18/20

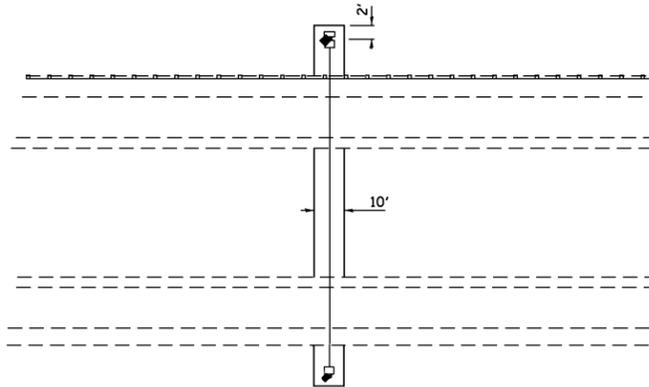
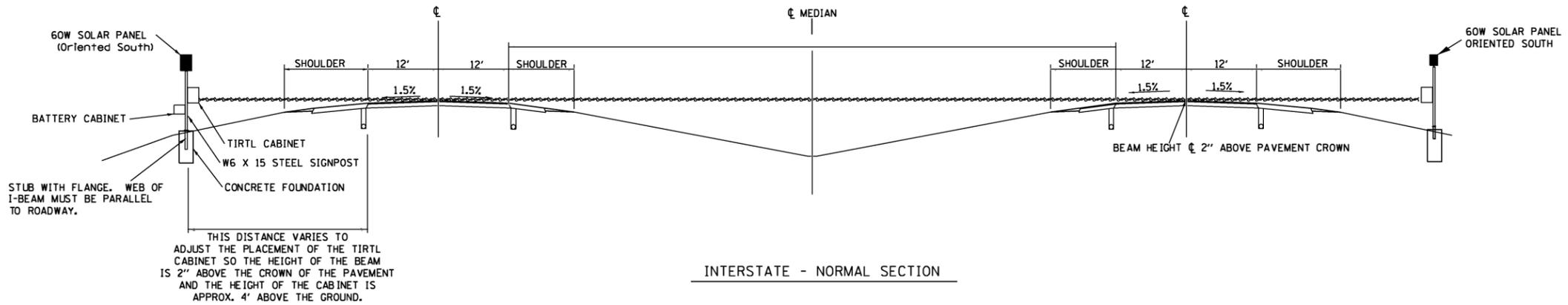
MODEL:\Defaul...
 FILE NAME: P:\...
 PROJECT: District 4...
 DOCUMENTS: I\DOT...
 ILLINOIS FED. AID PROJECT

USER NAME = jacobsmr	DESIGNED -	REVISED -
PLOT SCALE = 100.0001' / in.	DRAWN -	REVISED -
PLOT DATE = 3/27/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I 74	72L3RS-3;4RS-2;(4HB-2)BJR]	PEORIA	126	10
CONTRACT NO. 68A83				
ILLINOIS FED. AID PROJECT				



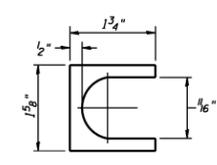
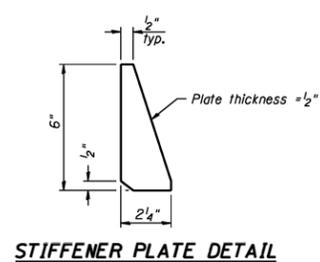
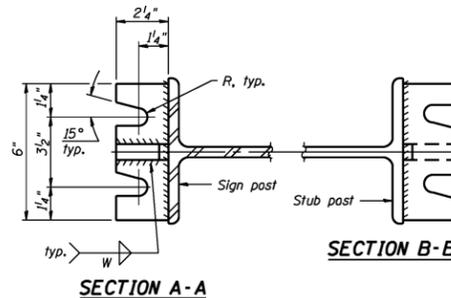
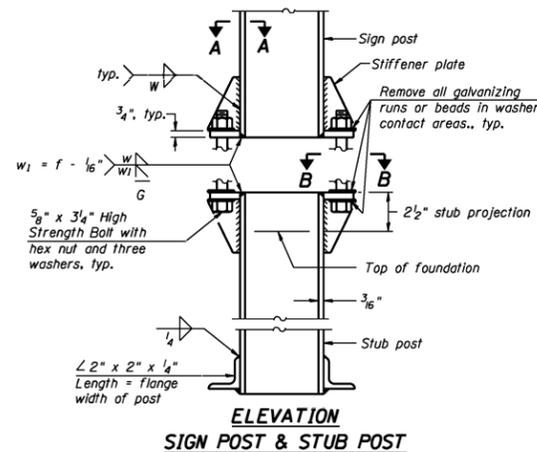
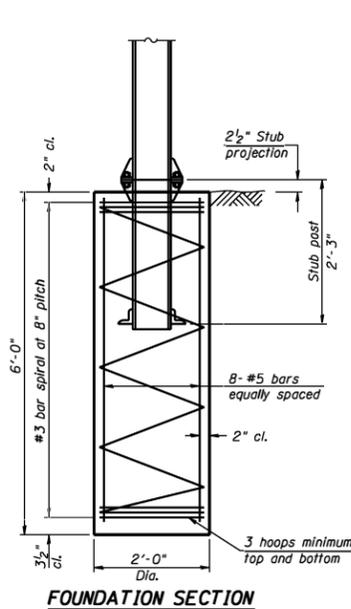
Weed Barrier - PCC concrete shall be placed as shown 8' to 10' wide and 4" thick as per the special provision

NOTES:

1. SYSTEM CONSISTS OF TWO W6 X 15 I-BEAM SIGNPOSTS WITH CONCRETE FOUNDATION AND A FLANGE WITH BREAKAWAY BOLTS
2. THE I-BEAMS ARE 12' LONG AND DRILLED AS PER THE I-BEAM DETAIL TO ACCOMMODATE A PIPE TO ALLOW THE MOUNTING OF THE SOLAR PANEL.
3. THE WEB OF THE I-BEAM IS TO BE PLACED PARALLEL TO THE LANES.
4. THE TWO POSTS MUST BE PLACED DIRECTLY ACROSS FROM EACH OTHER AND PERPENDICULAR TO THE LANES.
5. TWO POSTS ARE REQUIRED LOCATED AS PER THE ENGINEER AND DRAWING.
6. THE CABINETS ARE ATTACHED TO THE I-BEAM USING 8" GALVANIZED J-BOLTS.
7. THE BOTTOM OF THE CABINET HEIGHT MUST BE NO LOWER THAN 4' ABOVE THE GROUND AND BE ABLE TO VIEW ACROSS ALL LANES AT THE CROWN OF THE PAVEMENT.
8. THE IDOT OFFICE OF PLANNING AND PROGRAMMING DATA MANAGEMENT LAB RICH MARX (217-782-2065) SHALL BE NOTIFIED TWO WEEKS PRIOR TO THE LAYOUT AND SHALL BE PRESENT DURING THE PLACEMENT OF THE POST FOUNDATIONS.

TIRTL TRAFFIC COUNTER SCHEDULE OF QUANTITIES (FOR INFORMATION ONLY)

CODE NUMBER	ITEM	UNIT	QUANTITY
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520
73400100	CONCRETE FOUNDATIONS	CU YD	1.4
X0320089	TRAFFIC COUNTER - TIRTL SYSTEM (INCLUDES BELOW)	EACH	1
TIRTL TRAFFIC DATA COLLECTION SYSTEM INCLUDES:			
	Sierra Wireless Modem RV-50	EACH	1
	Panorama Low Profile LTE MIMO LGAM-BC3G-26-3SP Antenna	EACH	1
	TIRTL CABINET 15" X 27" X 16"	EACH	2
	BATTERY CABINET 16.5" X 16" X 11.5" BBAIM w/ #2 Police Lock	EACH	1
	SOLAR PANEL 60 W 12 VDC with Bracket and Junction box	EACH	2
	TIRTL TRAFFIC COUNTER	EACH	1
	SUNSAVER SOLAR CHARGE REGULATOR 10 AMP 12 VDC	EACH	2
	BATTERY - 33 AH ABSORBED ELECTROLYTE 8" X 5.5" X 7" (DEEP CYCLE)	EACH	1
	BATTERY - 104AH ABSORBED ELECTROLYTE 10" X 6" X 8" (DEEP CYCLE)	EACH	1



SHIM DETAIL
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

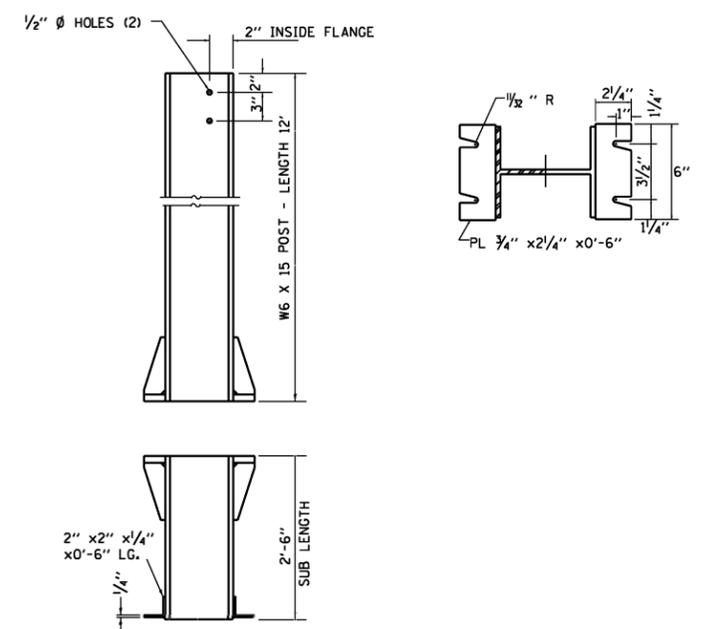
GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.



BREAK-AWAY WIDE FLANGE STEEL POST DETAILS

MODEL: Default
FILE NAME: S:\GENERAL\TDS\DESIGN\SSQUAD_0668D79_139_reurfacing_2018\Phase II\Paras15_10b_Specific_Details.dgn

USER NAME = mitchellag	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/13/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC COUNTER DETAIL (STA. 573 + 00)			
SCALE:	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
174	72[3RS-3,4RS-2:(4HB-2)BJR]	PEORIA	126	119A
CONTRACT NO. 68A83				
ILLINOIS FED. AID PROJECT				