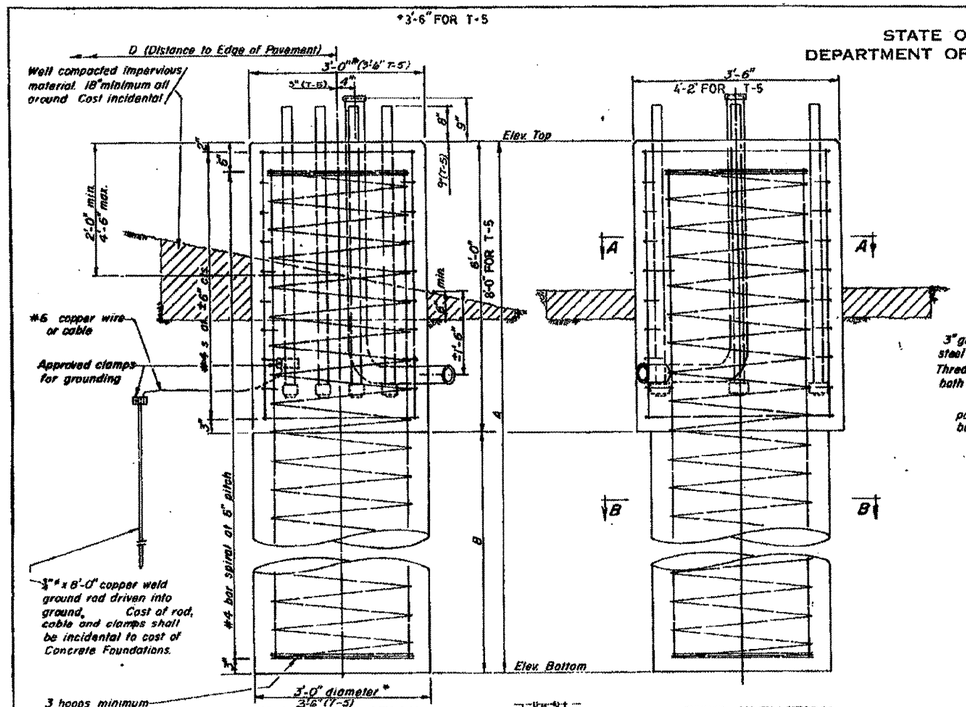
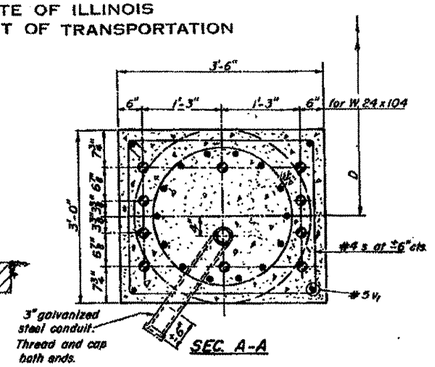
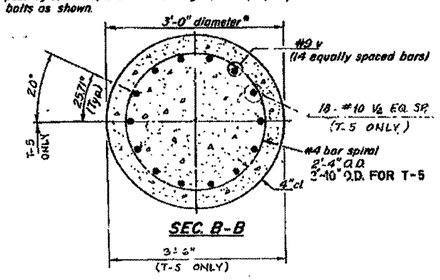
EXISTING INFORMATION ONLY

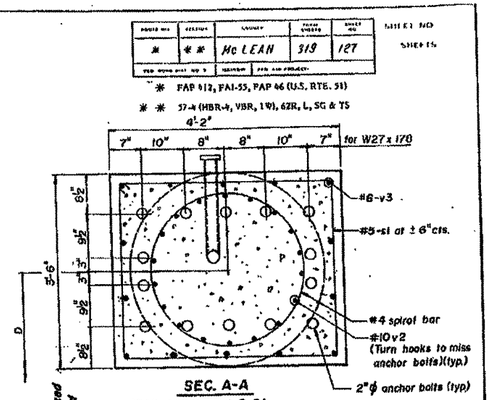
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



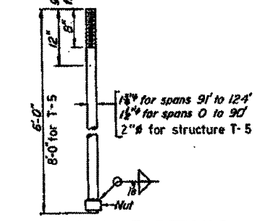


NOTE: The anchor bolts and reinforcing cage must be in place before pouring concrete, and shall be adjusted for proper placement of anchor bolts as shown.





* FAP 412, FAI-55, FAP 46 (U.S. RTE. 51)
** 57-A (HBR-A, VBR, LW), 62R, L, SG & TS

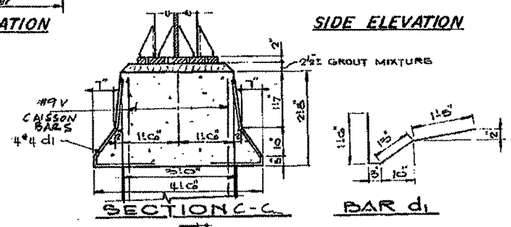


ANCHOR BOLT DETAILS
(ASTM A-576 — f_y = 55,000 p.s.i.)
Galvanize upper 12" in accordance with AASHTO M 232.
Provide 3 nuts and 1 washer for each anchor bolt.

BAR LIST — EACH FOUNDATION

Bar	No.	Size	Lgth.	Shape
s	12	#4	11'-9"	
v	14	#9	8'-5" (?)	
v1	4	#5	5'-3"	
d1 *	8	#4	4'-5"	

#4 bar spiral — see Front Elevation



BAR LIST - STRUCTURE T-5 FOUNDATION

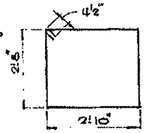
Bar	No	Size	Length	Shape
s1	16	#5	14'-9"	
v2	18	#10	42'-11"	
v3	4	#6	10'-0"	

#4 Bar spiral - See front elevation

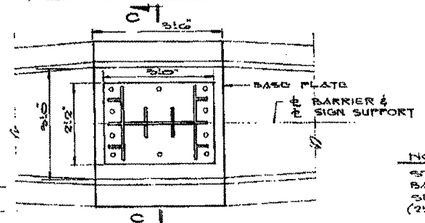
DEPTH TABLE

Span	B (min.)
70'	15'
80'	15'
90'	16'
100'	17'
110'	18'
124'	20'
134'	35'

Structure No	Station	B	Anchor Bolt Size	Left Foundation Elev. Top	Left Foundation Elev. Btm.	Left Foundation A	Right Foundation Elev. Top	Right Foundation Elev. Btm.	Right Foundation A	Class X Concrete
T1	155+00.0 (RA.I-55)	20'	1¾" ø	858.71	812.71	20'	858.71	812.71	20'	15.1
T2	161+60.0 (RA.I-55)	18'	1¾" ø	857.92	833.92	24'	857.92	833.92	24'	14.1
T3	168+00.0 (RA.I-55)	16'	1¾" ø	893.94	871.94	22'	893.94	871.94	22'	15.1
T4	184+00.0 (RA.I-55)	15'	1½" ø	876.67	855.67	21'	874.54	853.54	21'	12.5
T5	205+00.0 (RA.I-55)	35'	2" ø	868.87	825.87	43'	870.94	827.94	43'	32.6
T6	210+00.0 (RA.I-55)	25'	1¾" ø	863.05	837.05	26'	863.05	837.05	26'	15.1
T7	219+00.0 (U.S. 51)	15'	1½" ø	844.56	823.56	21'	841.56	820.56	21'	12.5



* d1 BAR FOR STRUCTURES T4 AND T5 @ BARRIER SUPPORT.



NOTE:
STANDARD CONCRETE MEDIAN BARRIER TO TRANSITION TO MATCH SIGN SUPPORT FOUNDATION. (25 FT. MIN. TRANSITION LENGTH.)

DRILLED SHAFT FOUNDATION DETAILS

NOTES:
The foundation details shown are for Average Cohesive Soil Conditions (stiff clays, sandy clays) and with minimum Qu = 1.0 Tons/Sq. Ft. "Qu" being the average value of hand penetrometer readings at various depths of the shaft as determined by the Engineer at time of drilling operations or previous soil investigation.

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

19
EXAMINED — ENGINEER OF BRIDGE DESIGN
PASSED — ENGINEER OF BRIDGES AND STRUCTURES
APPROVED — DIRECTOR OF HIGHWAYS

05-5-5-SPECIAL

OVERHEAD SIGN STRUCTURES FOUNDATION DETAILS

F.A.I.-55 AND U.S. RT.51
F.A.P. 412
McLEAN COUNTY

Rev. 1

*VARIOUS COUNTIES
**D-5 OVD SIN STR REPL 2012-06

FILE NAME =	USER NAME = cearlockjd	DESIGNED - JAL	REVISED -
c:\pw_work\pwidot\cearlockjd\d0266557\D546179-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/21/2011	DATE - 04/26/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
FOR INFORMATION ONLY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	Various	178	158
		CONTRACT NO. 46179		
		ILLINOIS FED. AID PROJECT		

S S 057 U051 R006.80