

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FAI ROUTES 74 & 280
D2 IT MESSAGE SIGN
Rock Island County
Sheet 1 of 23
Contract Number 64F86

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAI ROUTES 74 & 280
D2 IT MESSAGE SIGN
ROCK ISLAND COUNTY
C-92-061-10

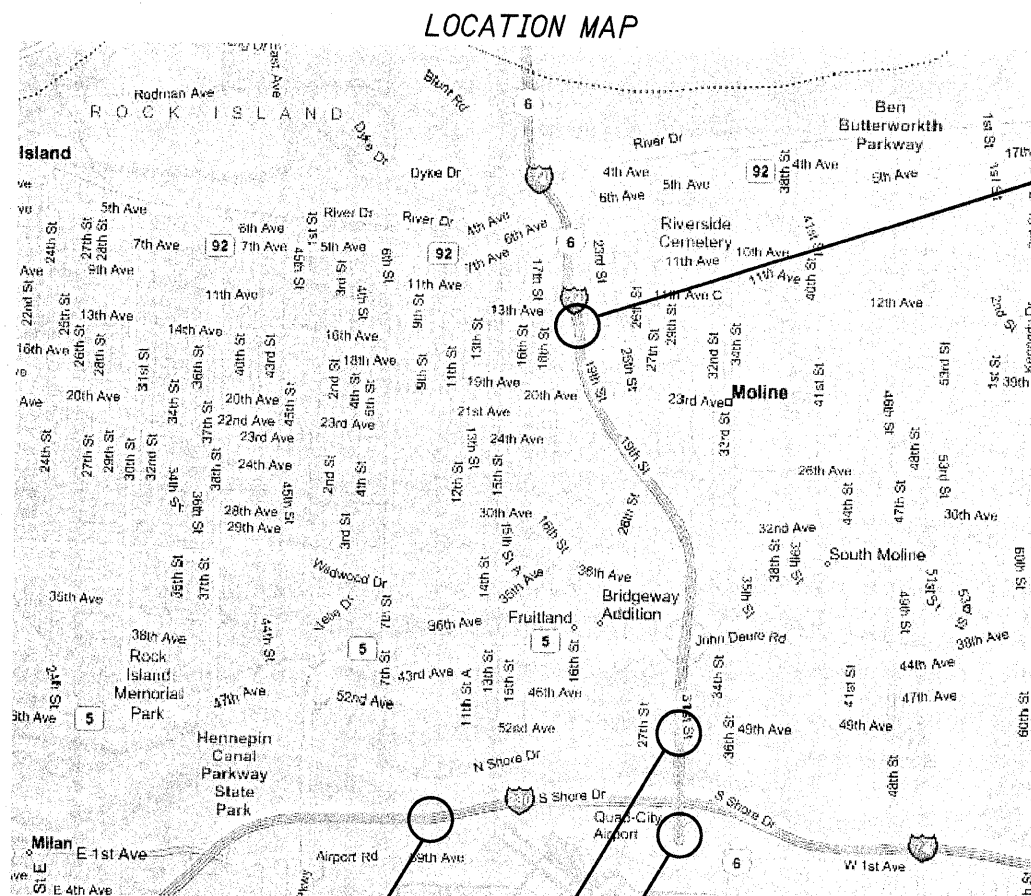
I-74 & I-280



George M. Stueffig
3/8/10

INDEX OF SHEETS

NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES
3	GENERAL NOTES
4	SITE INSTALLATION NOTES
5	UTILITY COMPANY INFORMATION
6	DMS CABINET DETAILS
7	DETAILS OF ROADSIDE DYNAMIC MESSAGE SIGN
8-9	SITE 404
10-11	SITE 405
12-13	SITE 406
14-15	SITE 407
16-20	STRUCTURAL DETAILS
21-23	SOIL BORING LOGS

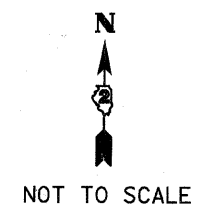


SITE 404

SITE 407

SITE 405

SITE 406



SITE	ROUTE	ADT
404	I-74	50,100
405	I-74	39,400
406	U.S. 6	24,000
407	I-280	23,500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 12 2010
PASSED George F. Ryan
ENGINEER OF OPERATIONS

May 7 2010
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED May 7 2010
Christine M. Reed
DIRECTOR DIVISION OF HIGHWAYS

JOINT UTILITY LOCATING INFORMATION FOR
EXCAVATIONS PHONE: 800-892-0123

STANDARDS

000001-05	701406-05
BLR 26-2	701601-06
631011-06	701901-01
701101-02	720011-01
701106-02	728001-01
701400-04	729001-01
701401-05	805001-01
D2 TRAFFIC CONTROL TYPICAL WEAVE 39.1	
CONTRACT NO. <u>64F86</u>	

IDOT PROJECT MANAGER: SCOTT KULLERSTRAND 815-281-5468

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

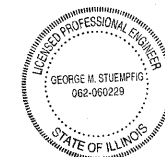
Summary of Quantities							URBAN Y035
PAY CODE	ITEM	UNIT	SITE 404	SITE 405	SITE 406	SITE 407	TOTAL (100% STATE)
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD		35.5	35.5		71
* 63000002	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6.75 FOOT POSTS	FOOT		62.5			62.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH		1			1
67100100	MOBILIZATION	L SUM	0.25	0.25	0.25	0.25	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	0.25	0.25	0.25	0.25	1
73301600	OVERHEAD SIGN STRUCTURE - BUTTERFLY, TYPE I-B-A	FOOT	15.75	15.75	15.75	15.75	63
73301900	OVERHEAD SIGN STRUCTURE WALKWAY - BUTTERFLY, TYPE A	FOOT	15.75	15.75	15.75	15.75	63
73400100	CONCRETE FOUNDATIONS	CU YD		11.5	11.5	11.5	34.5
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	7				7
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	1	1	4
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	200	165	140	50	555
81018525	CONDUIT PUSHED, 2" DIA., HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	60	65			125
81400100	HANDHOLE	EACH	2	2			4
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	180	180	420	300	1,080
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	600	495	90	105	1,290
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	250	205	175	65	695
87800500	CONCRETE FOUNDATION (SPECIAL)	FOOT	5.5	5.5	5.5	5.5	22
Z0050900	REMOVE CONCRETE FOUNDATION	EACH	1	1	1		3
X0324601	INSTALL STATE FURNISHED DYNAMIC MESSAGE SIGN	EACH	1	1	1	1	4
X0326812	CAT 5 ETHERNET CABLE	FOOT	60	60	140	50	310

*SPECIALTY ITEM

DESIGNED - S. POSKA
CHECKED - G. STUEMPFIG
DRAWN - M. BRESSLER
CHECKED - G. STUEMPFIG

2010
EXAMINED
PASSED

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES



George M. Stuempfig
3/8/10

SHEET NO. 2 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	2
CONTRACT NO. 64F86					
ILLINOIS FED. AID PROJECT C-92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. THE CONTROLLER CABINETS AND JUNCTION BOXES SHALL BE UNPAINTED ALUMINUM SHEET METAL UNLESS OTHERWISE SPECIFIED ON THE PLANS.
2. UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH ARTICLES 1066.05 OF THE STANDARD SPECIFICATIONS.
3. A 1/4" DIA. NYLON ROPE SHALL BE INSTALLED IN ALL CONDUIT RUNS. THE COST OF PULL ROPE SHALL BE INCLUDED IN THE PROPOSED ELECTRIC CABLE INSTALLATION IN THAT CONDUIT.
4. ALL GROUND RODS SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH ARTICLE 1087.01 EXCEPT THAT THEY SHALL BE 3/4" DIA. X 12'-0" LONG. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE VIA EXOTHERMIC WELD. COMPRESSION CLAMPS WILL NOT BE ALLOWED.
5. COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY TRENCHING IS DONE TO LOCATE HIGHWAY UTILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.
6. NO OVERNIGHT LANE CLOSURES SHALL BE PERMITTED ON THIS PROJECT.
7. COMMUNICATIONS FROM THE DMS TO THE CONTROL SOFTWARE WILL BE PERFORMED BY OTHERS.
8. THE FINAL TOP 10MM (FOUR INCHES) OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.
9. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
10. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR INSTALL STATE FURNISHED DYNAMIC MESSAGE SIGN.
11. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF INSTALL STATE FURNISHED DYNAMIC MESSAGE SIGN.
12. MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE INSTALL STATE FURNISHED DYNAMIC MESSAGE SIGN.

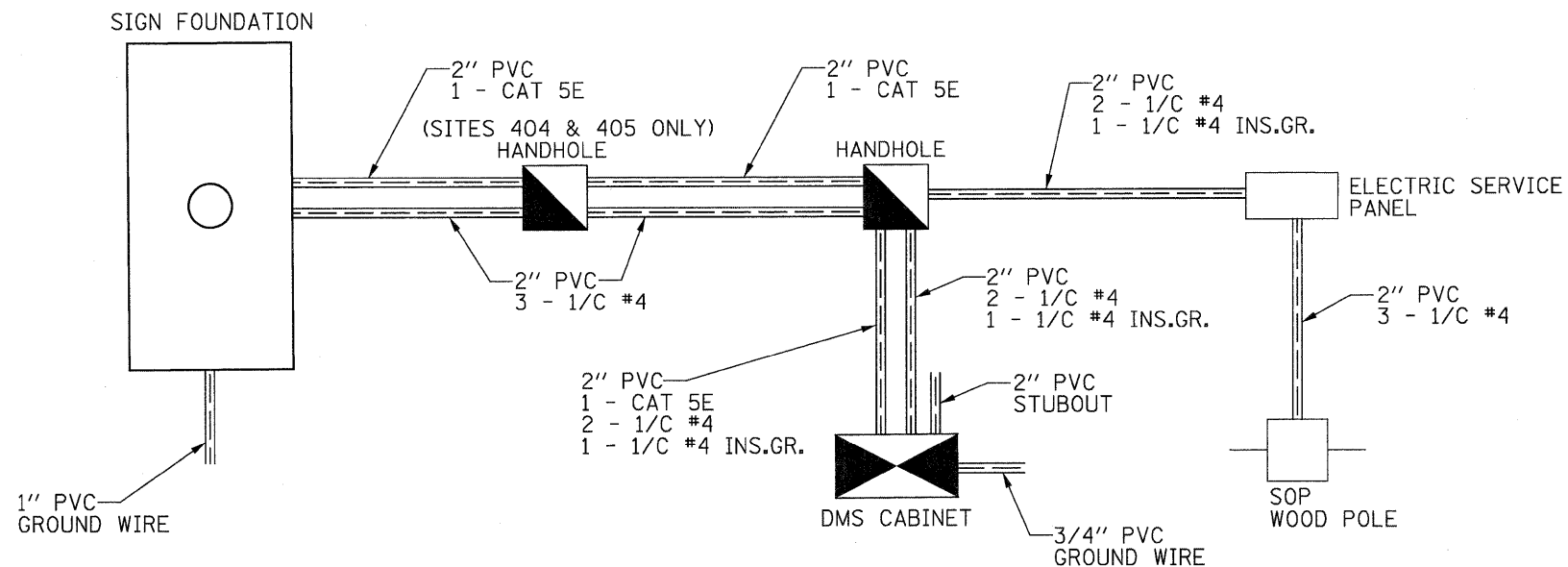


George M. Stuemppig
3/8/10

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	ENGINEER OF BRIDGE DESIGN
CHECKED - G. STUEMPFIG	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	3
CONTRACT NO. 64F86					
ILLINOIS FED. AID PROJECT C-92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SITE INSTALLATION NOTES

1. THE IOWA DOT WILL FURNISH THE DMS CABINET TO BE INSTALLED BY THE CONTRACTOR.
2. THE DMS CABINET FOOTING SHALL BE LOCATED WITHIN 25 FEET OF THE HANDHOLE AND ORIENTED IN THE SAME DIRECTION AS THE DMS. IN LOCATIONS WITH A DITCH, THE FOOTING SHALL NOT BE LOCATED WITHIN THE DITCH BOTTOM, BUT SHOULD BE LOCATED BEYOND THE TOP OF THE BACKSLOPE, IF POSSIBLE. THE ENGINEER SHALL APPROVE THE LOCATION AND ORIENTATION PRIOR TO PLACEMENT OF THE FOOTING.
3. MARK THE LOCATIONS OF ALL CONDUIT ENTERING THE SIGN SUPPORT STRUCTURE FOOTING AND THE DMS CABINET FOOTING. LOCATE MARKS ON THE SIDE THE CONDUIT ENTERS, NEAR THE TOP, TO ENSURE VISIBILITY AFTER BACKFILLING AND SHAPING.



George M. Stuenkel
3/8/10

DESIGNED - S. POSKA	2010
CHECKED - G. STUENKEL	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUENKEL	ENGINEER OF BRIDGES AND STRUCTURES

**SITE INSTALLATION
DETAILS FOR ROADSIDE
DYNAMIC MESSAGE SIGN**

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	4
CONTRACT NO. 64F86					
ILLINOIS FED. AID PROJECT C92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY COMPANY INFORMATION

NOTES

- ALL ELECTRICAL SERVICE SUPPLIED SHALL BE:
60 HERTZ ALTERNATING CURRENT
1 - PHASE 120/240 VOLT,
3 WIRE,
100 AMP OR 200 AMP (AS SPECIFIED)
- DETAILS OF POWER SERVICE SHALL BE COORDINATED WITH THE ILLINOIS DOT CONTACT AND THE UTILITY COMPANY.
- THE CONTRACTOR SHALL MAKE EACH DMS AVAILABLE TO THE IOWA DOT FOR TESTING 48 HOURS AFTER INSTALLING THE DMS ON ITS SUPPORT STRUCTURE THUS, THE FINAL POWER CONNECTIONS SHALL BE COMPLETED WITHIN 48 HOURS OF INSTALLING THE DMS.
- THE FINAL SERVICE CONNECTIONS BY THE UTILITY COMPANY SHALL BE COMPLETED PRIOR TO INSTALLING THE DMS.
- THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY 60 DAYS PRIOR TO THE DATE POWER SERVICE IS REQUIRED AT A SITE. AT THE TIME OF NOTIFICATION, THE CONTRACTOR SHALL HAVE COMPLETED ALL WORK REQUIRED BY THE UTILITY COMPANY IN ORDER TO MAKE FINAL SERVICE CONNECTIONS, AND SHALL MAKE THE SITE AVAILABLE TO INSPECTION BY THE UTILITY COMPANY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE TABLE ON THIS SHEET PROVIDES UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS. UTILITIES THAT ARE NOT MEMBERS OF JULIE SHOULD BE NOTIFIED BY THE CONTRACTOR.
- ALL UTILITIES SHALL BE LOCATED IN FIELD. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKINGS OF FACILITIES MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96-HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT THE UTILITY COMPANIES CAN BE NOTIFIED.

UTILITY COMPANY INFORMATION			
NAME OF UTILITY	CONTACT	TELEPHONE	JULIE MEMBER
AT&T DISTRIBUTION	N/A	630-573-5450	YES 800-892-0123
CONSOLIDATED UTILITY SERVICES	N/A	N/A	YES 800-892-0123
IOWA HEALTH SYSTEMS	OSP ENGINEERING GROUP	319-364-3200	YES 800-892-0123
MIDAMERICAN ENERGY	SCOTT BULL	309-793-3870	YES 800-892-0123
CITY OF MOLINE	TONY LOETE	309-787-0489	YES 800-892-0123
QUEST COMMUNICATIONS	KIM JORDAN	800-283-4237	YES 800-892-0123
MEDIACOM	DENNIS JARDING TERRY PETERSON	309-743-4750 309-944-0139	YES 800-892-0123
IL DOT ELECTRIC FACILITIES	KYLE LORENZ	815-284-5469	NO

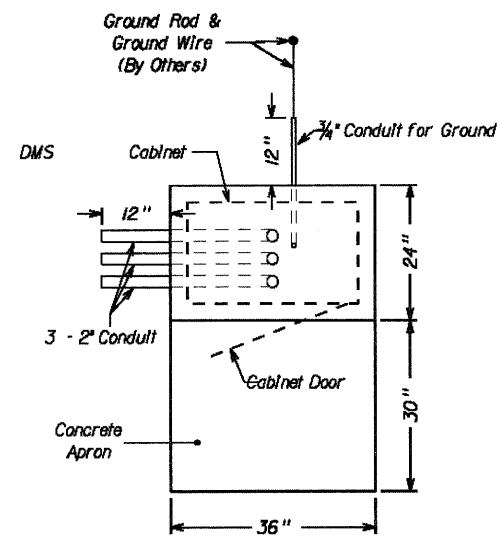


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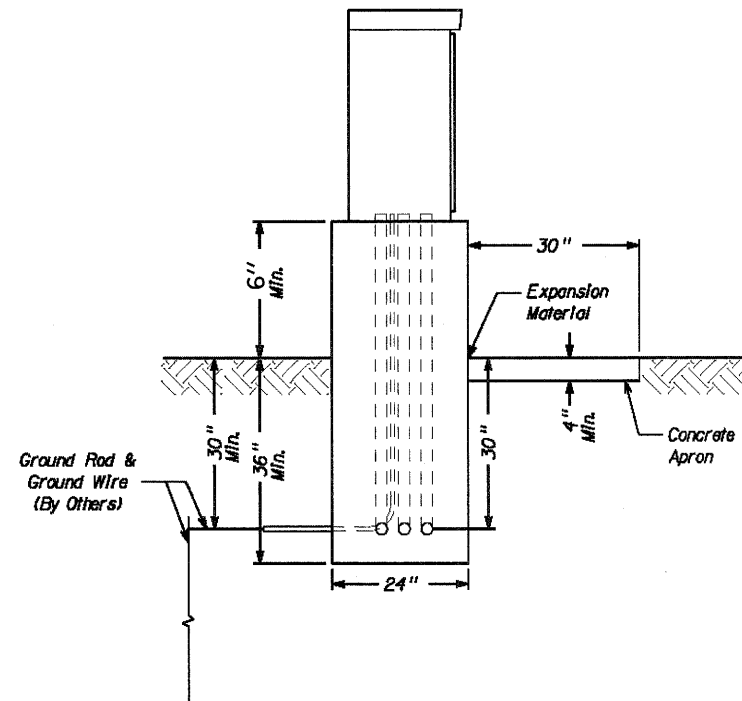
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CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 5 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	5
			CONTRACT NO. 64F86		
			ILLINOIS FED. AID PROJECT C-92-061-10		

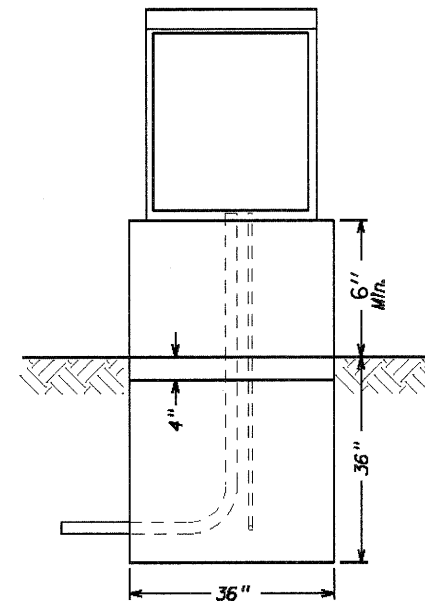
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Top View



Side View



Front View

CENTER DMS CABINET ON FOOTING AND ATTACH WITH PULL OUT ANCHORS.

CENTER CONDUITS IN THE FOOTING. PRIOR TO POURING THE FOOTING, CONFIRM THAT NO CONFLICTS EXIST BETWEEN THE CONDUIT PLACEMENT AND THE DMS CABINET. MAINTAIN AT LEAST 2" OF CLEARANCE TO THE EDGE OF THE DMS CABINET.

CAP ALL OPEN ENDS OF CONDUIT BEFORE BACKFILLING. FOR FUTURE REFERENCE, MARK THE LOCATIONS OF ALL CONDUIT ENTERING THE FOOTING ON THE SIDE WHICH THE CONDUIT ENTERS. LOCATE MARKS NEAR THE TOP OF THE FOUNDATION TO ENSURE THEY REMAIN VISIBLE AFTER BACKFILLING AND SHAPING.

INSTALL SOCKET TYPE BELL ENDS ON CONDUIT PROTRUDING FROM THE FOOTING. FINISHED CONDUIT (INCLUDING BELL END) IS TO PROTRUDE 5 TO 6 INCHES FROM THE TOP OF FOOTING.

USE CLASS C STRUCTURAL CONCRETE FOR THE FOOTING. MEET THE REQUIREMENTS OF SECTION 503.07 FOR PLACEMENT OF THE CONCRETE. THE TOP OF THE FOOTING IS TO BE LEVEL, AND THE TOP OF EDGES ROUNDED WITH AN EDGER.

PROVIDE FORMS OF SUFFICIENT STRENGTH TO PREVENT WARPING, BULGING, OR OTHER DEFLECTIONS. REFER TO SECTION 503.06 E FOR ADDITIONAL REQUIREMENTS.

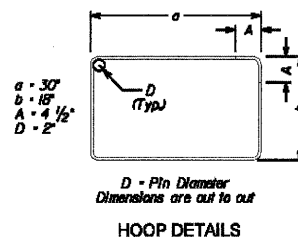
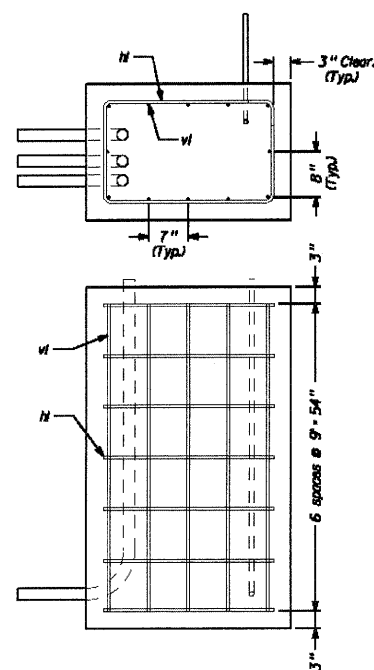
EPOXY COATED REINFORCEMENT TO MEET THE REQUIREMENTS OF SECTION 508.

CONDUIT TO MEET THE REQUIREMENTS OF SECTION 1088.

EXCAVATION, BACKFILLING, AND SITE RESTORATION TO MEET THE REQUIREMENTS OF SECTIONS 202, 208, AND 104.06, RESPECTIVELY.

THIS WORK WILL BE PAID AS 87800500, CONCRETE FOUNDATION, SPECIAL.

CONDUITS ENCASED WITHIN THE FOUNDATION SHALL BE INCLUDED IN THE COST OF THE FOUNDATION.



Reinforcing Details

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

EPOXY COATED REINFORCEMENT QUANTITIES				
per footing				
BAR	QTY	SIZE	LENGTH	WEIGHT
v1	12	#4	54	38.1
h1	7	#4	105	40.9
Total Weight				77.0

CONCRETE QUANTITIES	
per footing location	
Footing	1.11 cu yd
Pad	0.08 cu yd



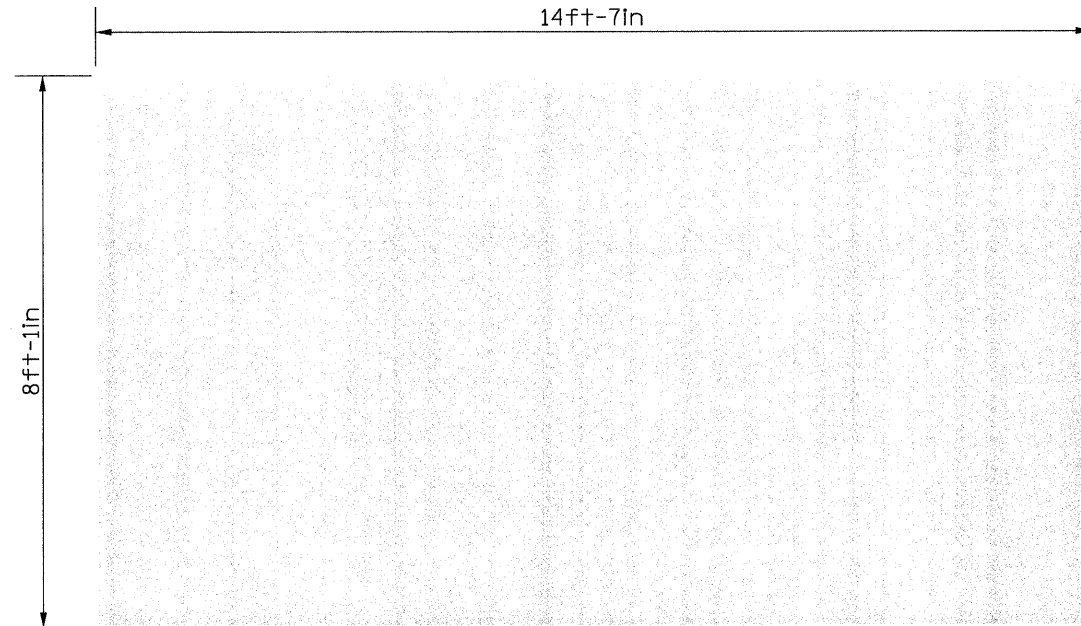
George M. Stuempfig
3/8/10

DMS CABINET
FOOTING DETAILS

SHEET NO. 6 SHEETS 23	F.A. RTE. 74+280	SECTION D2-IT-MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 6
	CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C-92-061-10	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS OF ROADSIDE
DYNAMIC MESSAGE SIGN



DIMENSIONAL INFORMATION

MANUFACTURER: SKYLINE
MODEL NUMBER: VMSLED-L-3-18F-27X55-I
TYPE: FULL MATRIX
PIXELS 55 x 27 (WIDTH x HEIGHT)

HEIGHT: 8'-1"
WIDTH: 14'-7"
DEPTH: 1'-4"

ELECTRICAL INFORMATION

SIGN VOLTAGE: STANDARD 120/240 VOLTS
MAX WATTAGE USE OF SIGN: 3,000 WATTS OR 13 AMPS PER LEG.
(ASSUMPTIONS: 30 DEGREE LED, 100% ON)
NOMINAL WATTAGE USE OF SIGN: 1200 WATTS.
(ASSUMPTIONS: 30% PIXELS ON, FANS OR HEAT TAPE (NOT BOTH))
MAIN BREAKER IN SIGN IS RATED FOR: 40 AMPS PER LEG
DMS BREAKER BOX SEPARATED INTO 2 - 120 VOLT LEGS

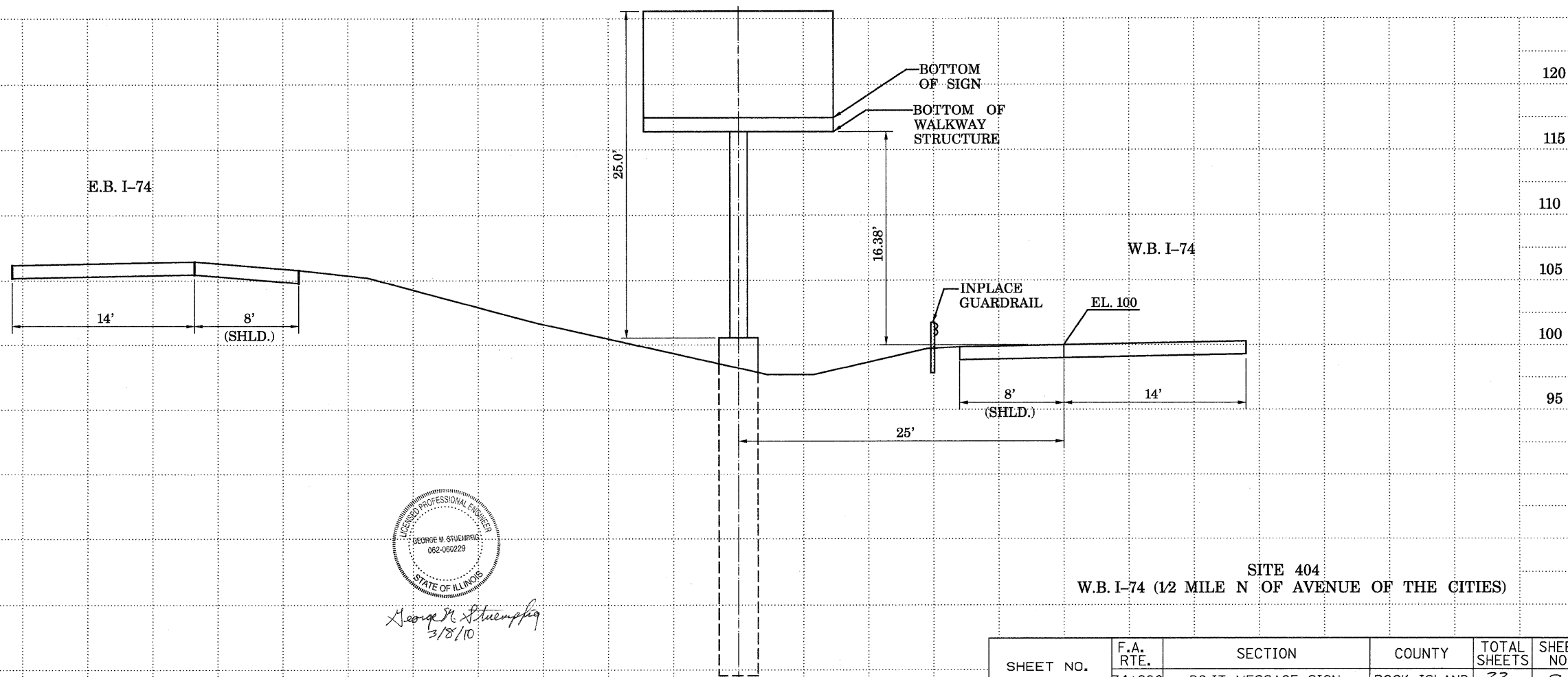
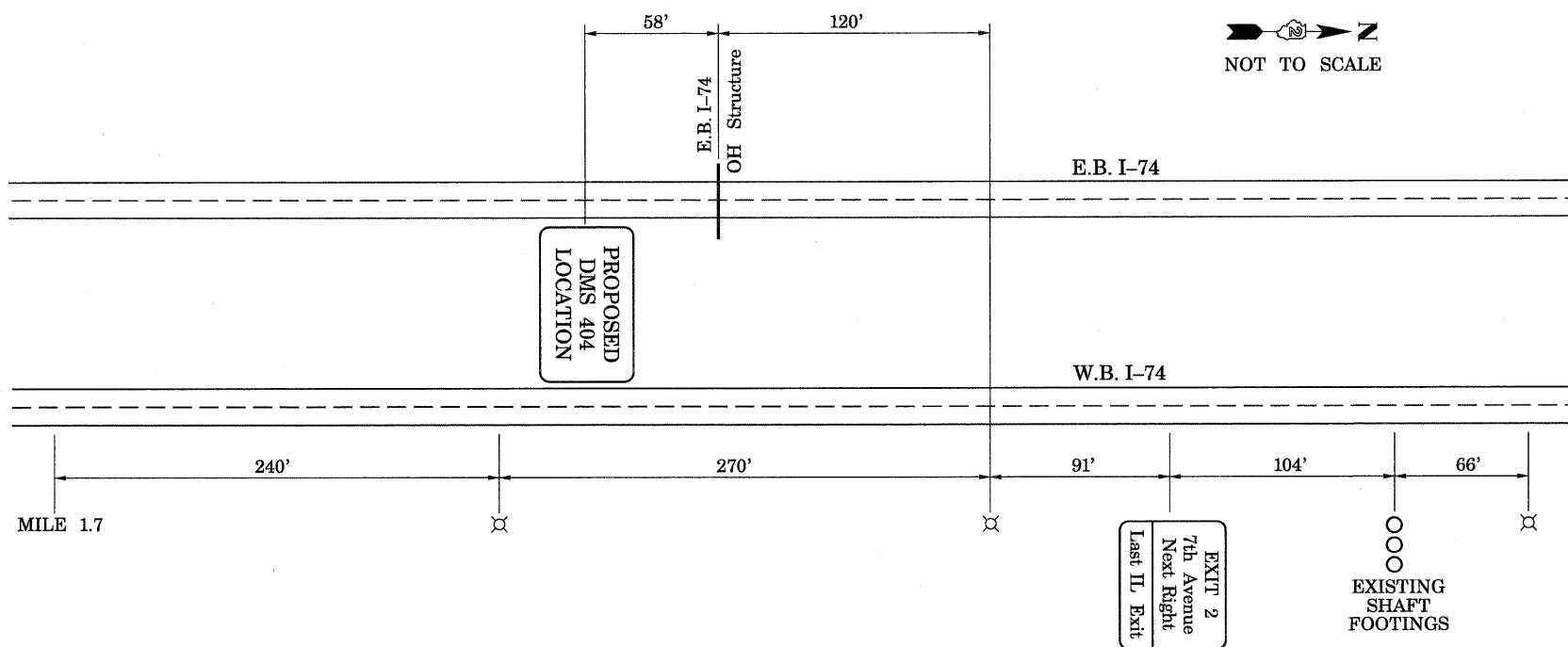


George H. Stuenkel
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DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUENKEL	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 7 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	7
			CONTRACT NO. 64F86		
			ILLINOIS FED. AID PROJECT C-92-061-10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



George M. Stuenkel
3/8/10

SITE 404
W.B. I-74 (1/2 MILE N OF AVENUE OF THE CITIES)

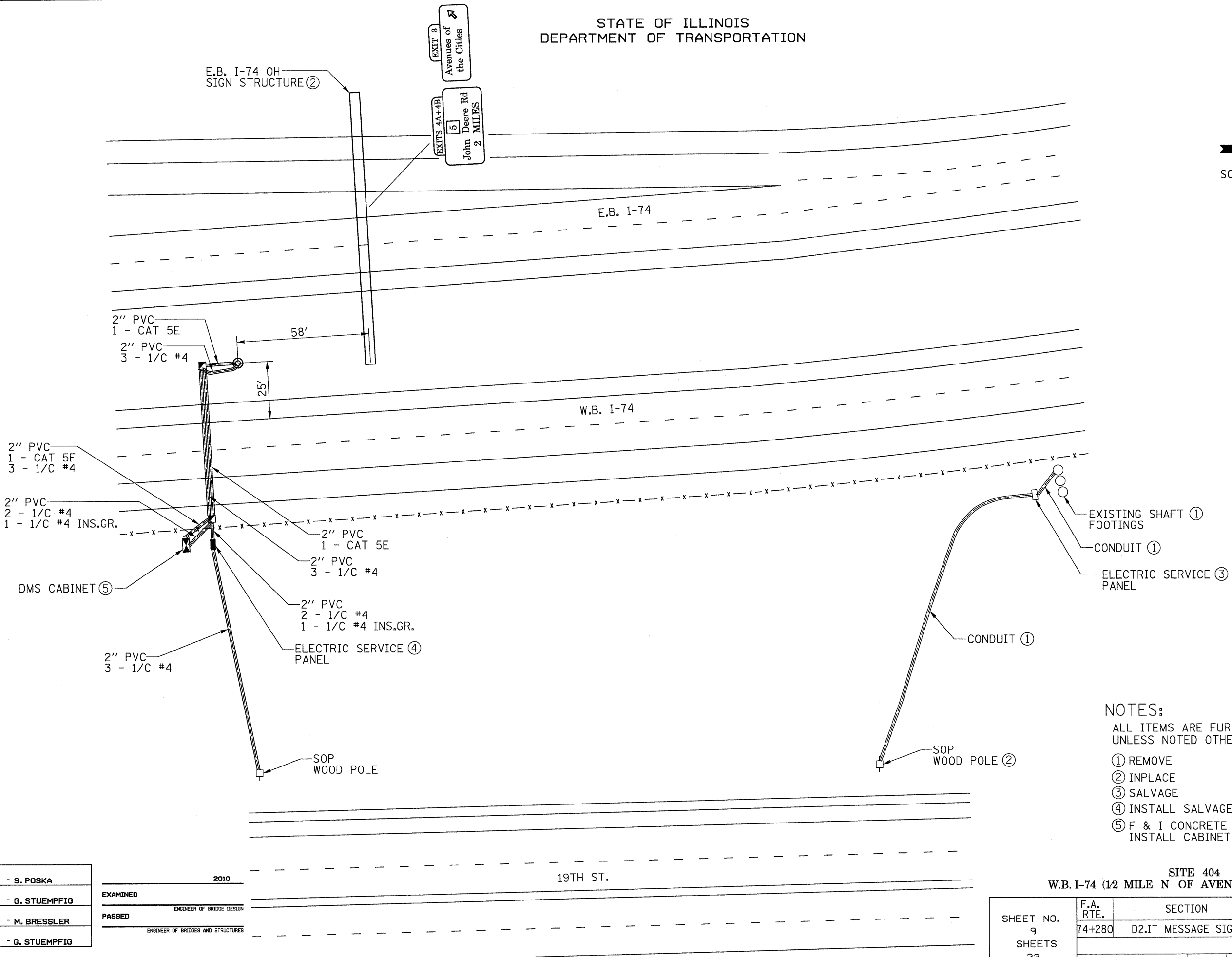
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DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

2010	ENGINEER OF BRIDGE DESIGN
EXAMINED	ENGINEER OF BRIDGES AND STRUCTURES
PASSED	

SHEET NO. 8 SHEETS 23	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 8
	CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C92-061-10	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'



George M. Stuenkel

3/8/10

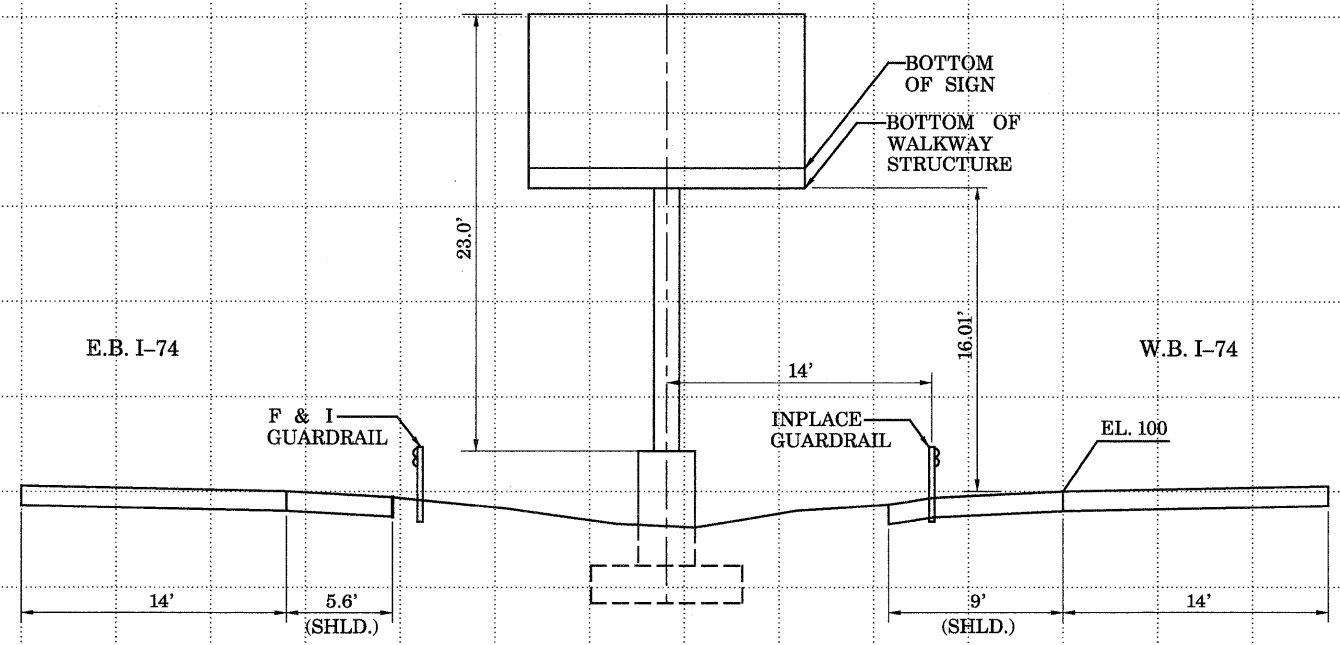
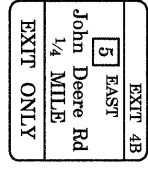
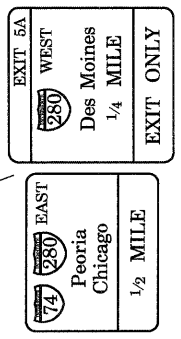
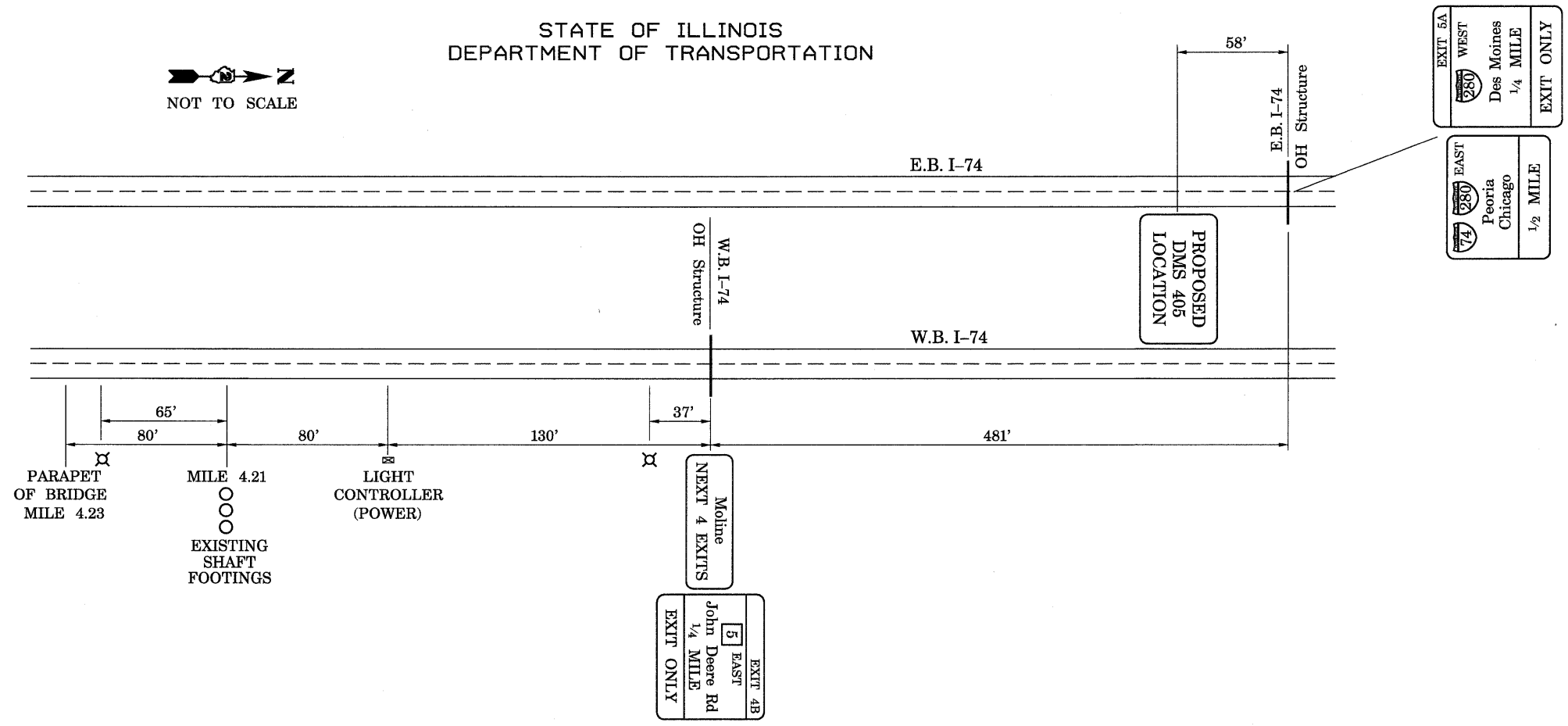
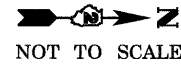
- NOTES:
- ALL ITEMS ARE FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE.
 - ① REMOVE
 - ② INPLACE
 - ③ SALVAGE
 - ④ INSTALL SALVAGED
 - ⑤ F & I CONCRETE FOUNDATION
INSTALL CABINET

DESIGNED - S. POSKA
CHECKED - G. STUENKEL
DRAWN - M. BRESSLER
CHECKED - G. STUENKEL

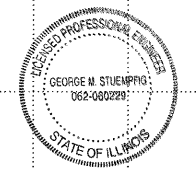
2010	EXAMINED
ENGINEER OF BRIDGE DESIGN	PASSED
ENGINEER OF BRIDGES AND STRUCTURES	

SITE 404 W.B. I-74 (1/2 MILE N OF AVENUE OF THE CITIES)					
SHEET NO. 9	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 9
CONTRACT NO. 64F86					
ILLINOIS FED. AID PROJECT C92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



125
120
115
110
105
100
95



George M. Stuempfig
3/8/10

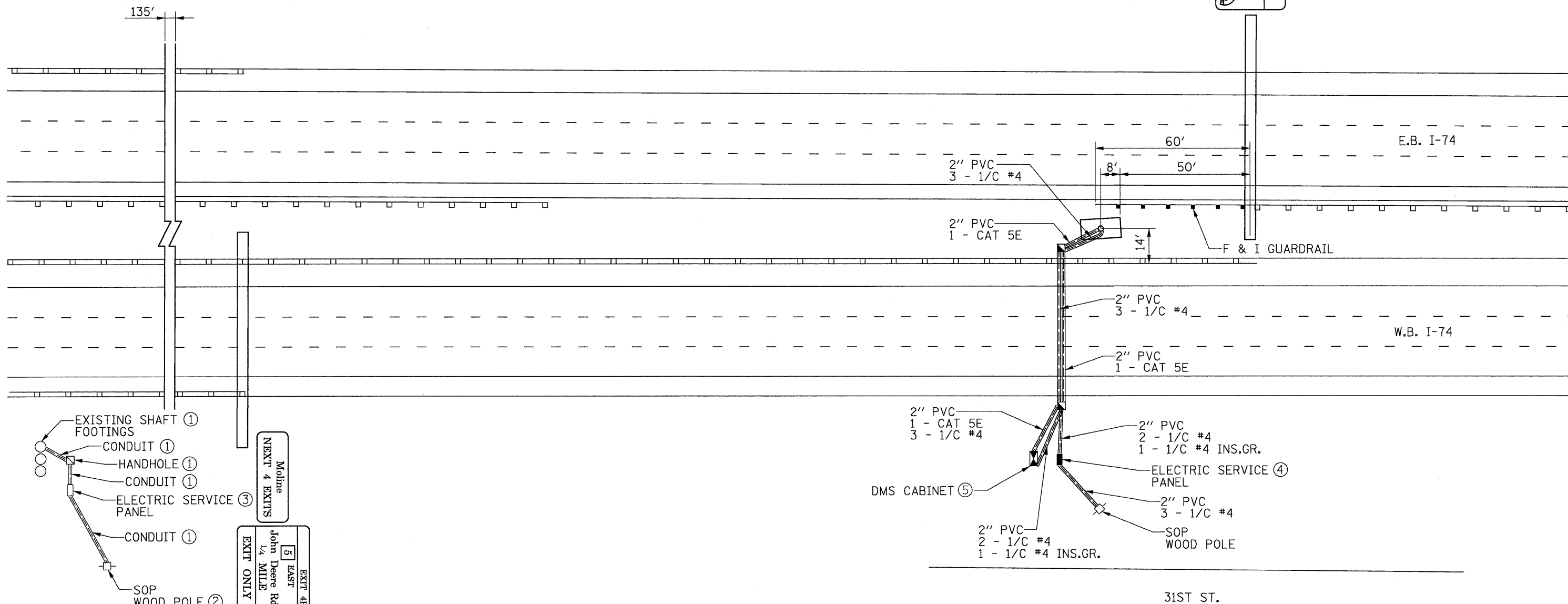
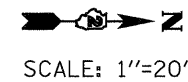
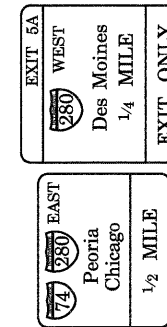
SITE 405
W.B. I-74 (N OF ROCK RIVER BRIDGE)

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	

2010
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 10 SHEETS 23	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 10
	CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C92-061-10	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NOTES:
ALL ITEMS ARE FURNISHED AND INSTALLED
UNLESS NOTED OTHERWISE.

- ① REMOVE
- ② INPLACE
- ③ SALVAGE
- ④ INSTALL SALVAGED
- ⑤ F & I CONCRETE FOUNDATION
INSTALL CABINET

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 11 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	11
	CONTRACT NO. 64F86				
ILLINOIS FED. AID PROJECT			C92-061-10		

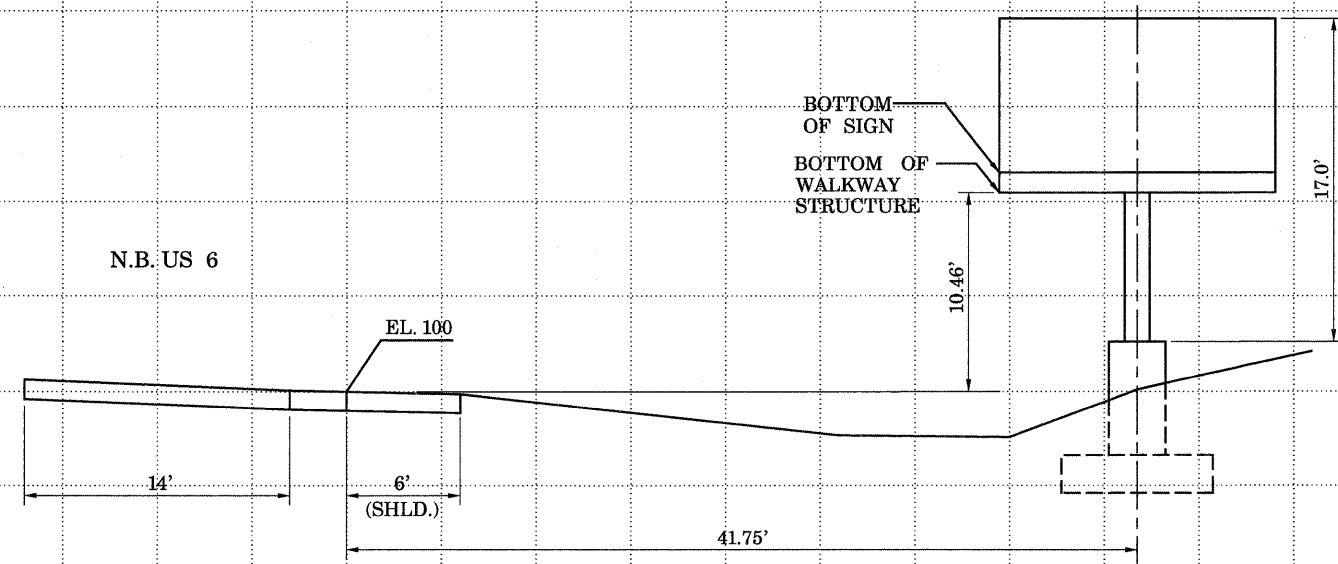
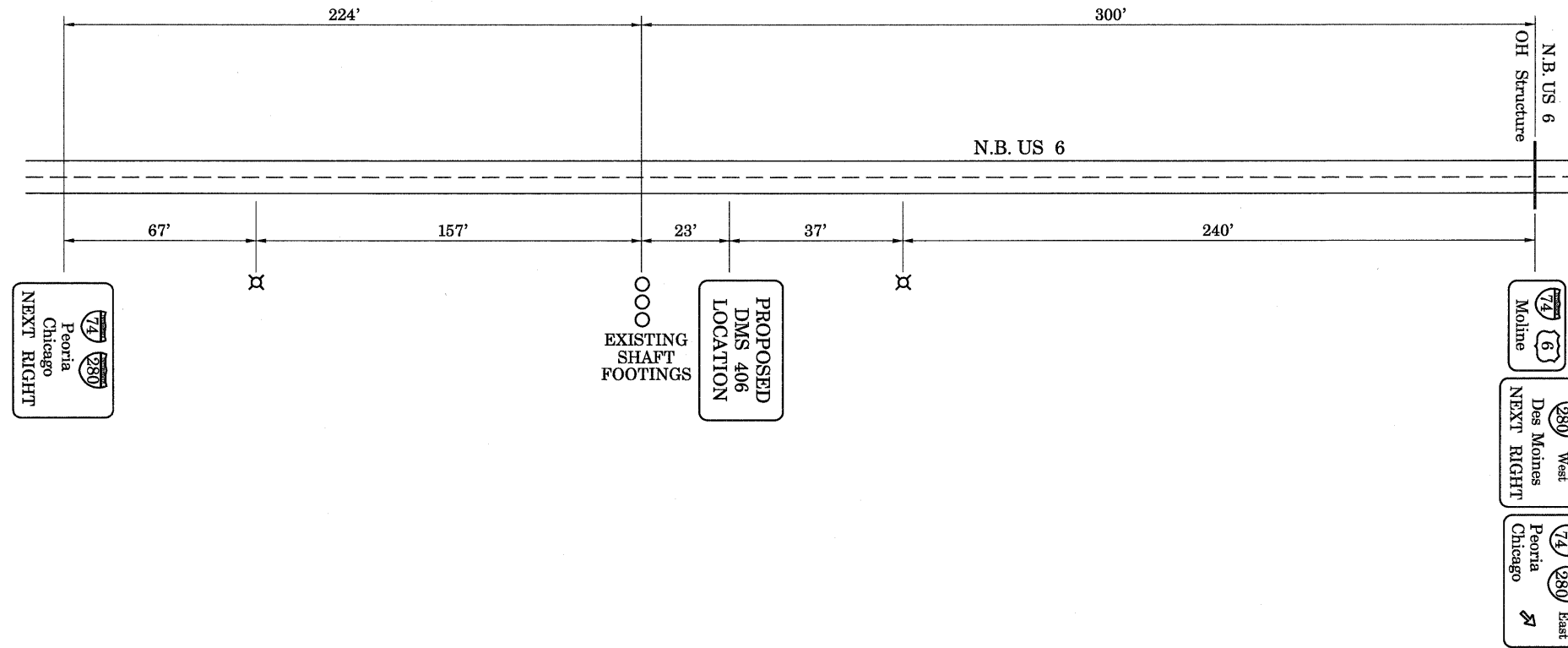


George M. Stuempfig
3/8/10

SITE 405
W.B. I-74 (N OF ROCK RIVER BRIDGE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE



George M. Stuenkel
3/8/10

SITE 406
N.B. US 6 (700' N. OF 6TH AVE/AIRPORT ENTRANCE)

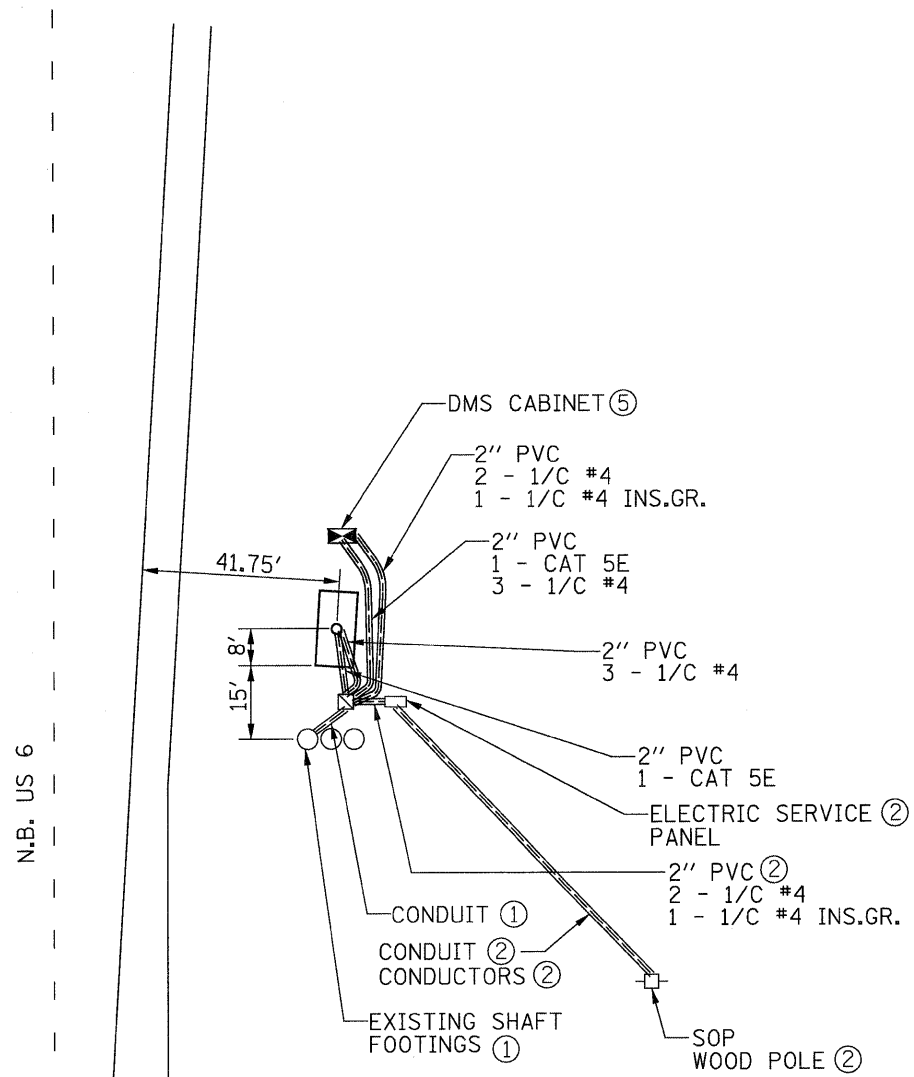
DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 12 SHEETS 23	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 12
	CONTRACT NO. 64F86				ILLINOIS FED. AID PROJECT C92-061-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SCALE: 1"=20'



NOTES:

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- ① REMOVE
- ② INPLACE
- ③ SALVAGE
- ④ INSTALL SALVAGED
- ⑤ F & I CONCRETE FOUNDATION
INSTALL CABINET



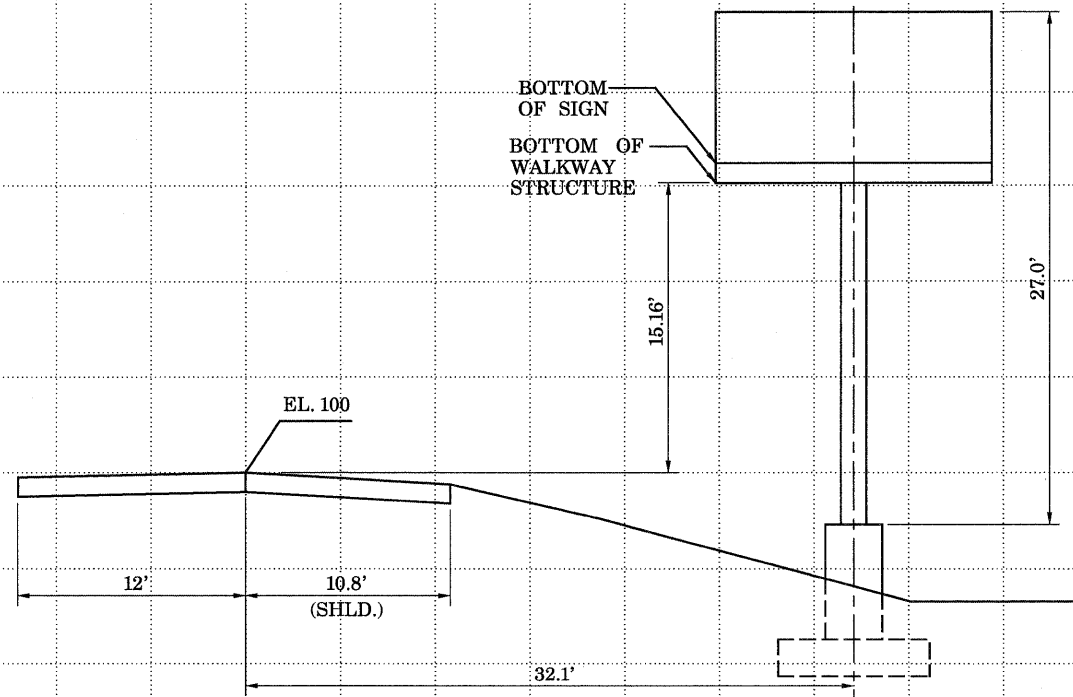
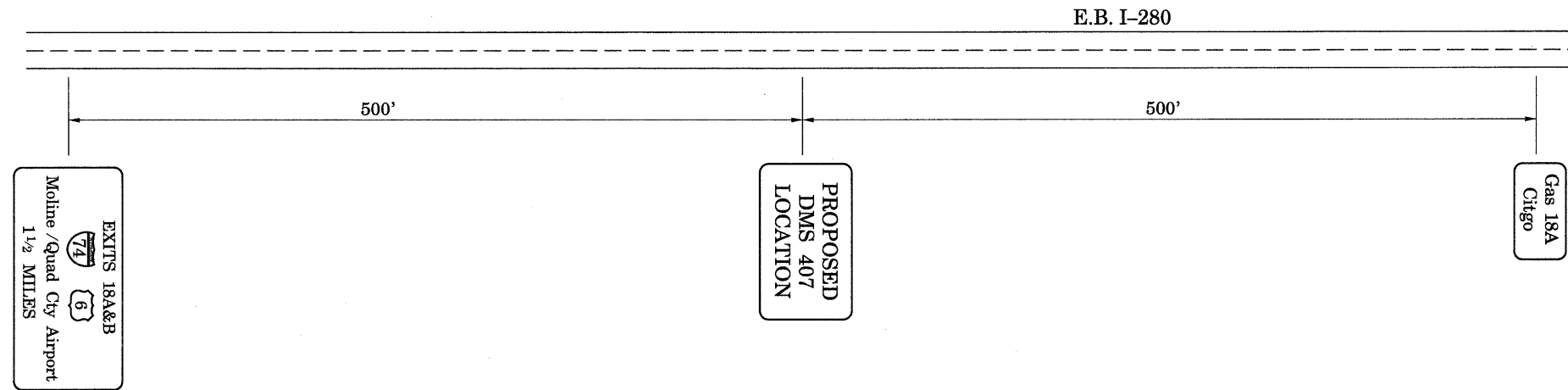
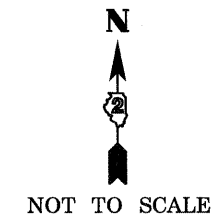
George M. Stuempfig
3/8/10

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

SITE 406
N.B. US 6 (700' N. OF 6TH AVE/AIRPORT ENTRANCE)

SHEET NO. 13 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	13
CONTRACT NO. 64F86					
ILLINOIS FED. AID PROJECT C92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



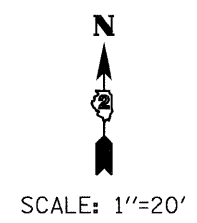
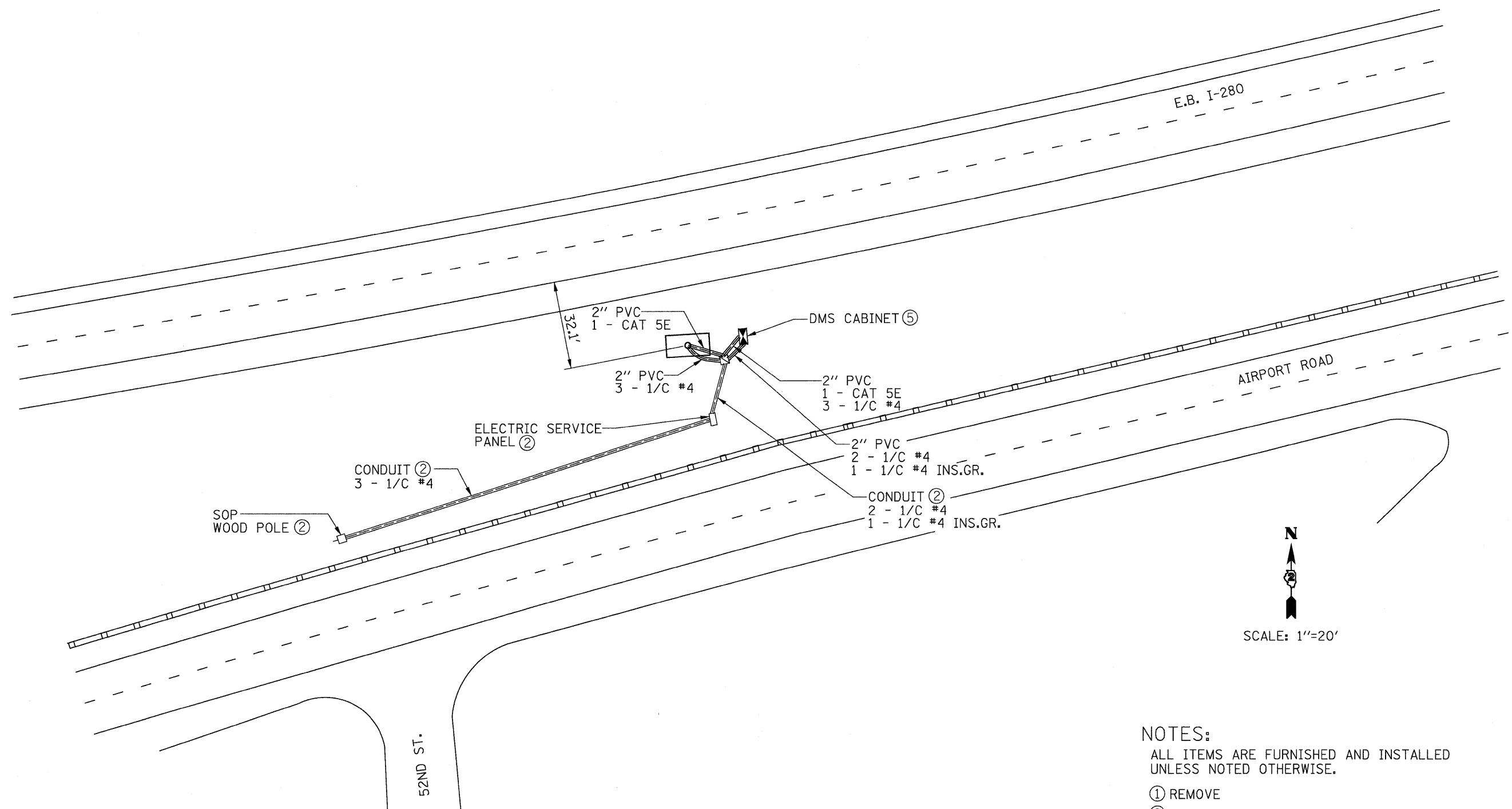
George M. Stuempfig
3/8/10

SITE 407
E.B. I-280 1.3 MILES W. OF I-74/US 6

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 14 SHEETS 23	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 14
	CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C92-061-10	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



- NOTES:
- ALL ITEMS ARE FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE.
 - ① REMOVE
 - ② INPLACE
 - ③ SALVAGE
 - ④ INSTALL SALVAGED
 - ⑤ F & I CONCRETE FOUNDATION
INSTALL CABINET

DESIGNED - S. POSKA	2010
CHECKED - G. STUEMPFIG	EXAMINED
DRAWN - M. BRESSLER	PASSED
CHECKED - G. STUEMPFIG	ENGINEER OF BRIDGES AND STRUCTURES



George M. Stuempfig
3/8/10

SITE 407
E.B. I-280 1.3 MILES W. OF I-74/US 6

SHEET NO. 15 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	15
			CONTRACT NO. 64F86		
		ILLINOIS	FED. AID PROJECT	C92-061-10	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W* (M183, M223 Gr. 50, or M222). Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

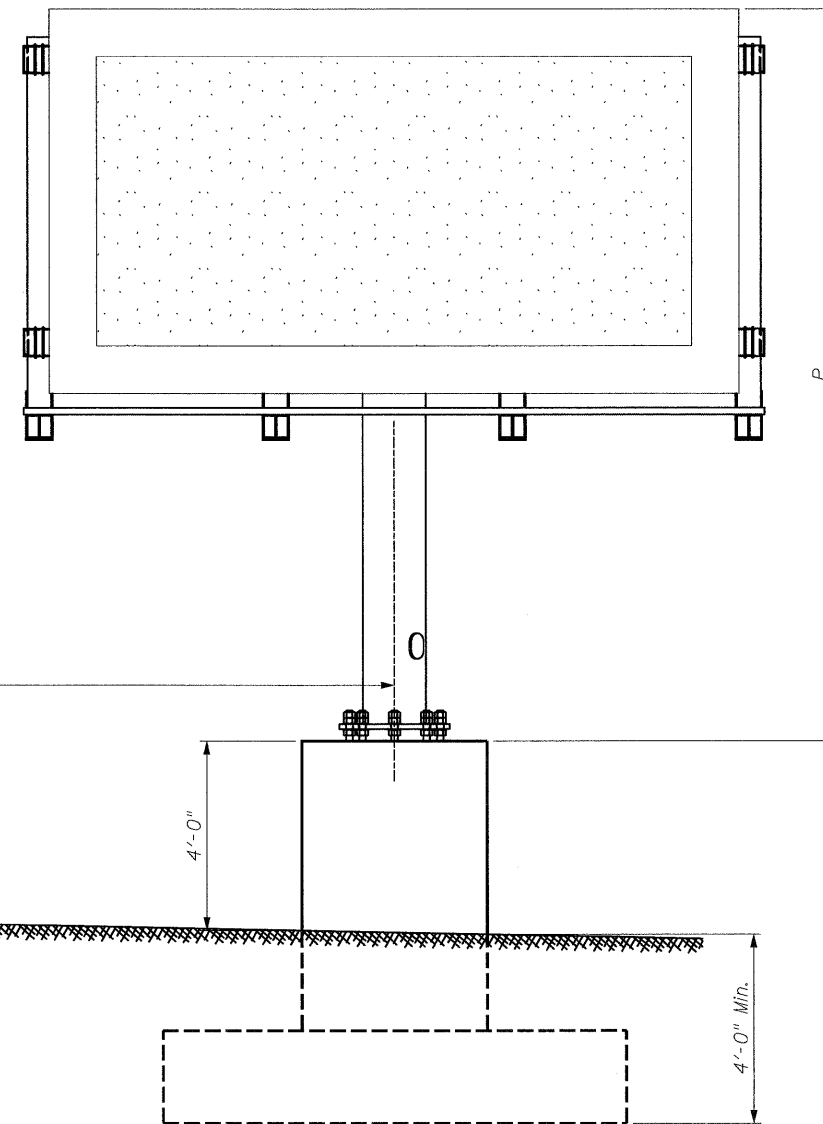
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted. Provide vent holes for galvanizing.

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 105 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each Foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations or Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.



TYPICAL ELEVATION

Looking in Direction of Traffic
(At Sites 404 and 405 Opposite Hand)

Site Number	Structure Type	Dim. D	Elev. A	Depth of Sign	Width of Sign	Total Sign Area (ft ²)	Post Length P (ft)
404	DMS Butterfly	25'-0"	100	8'-1 ⁵ / ₈ "	14'-7"	119	25
405	DMS Butterfly	21'-0"	100	8'-1 ⁵ / ₈ "	14'-7"	119	23
406	DMS Butterfly	41'-9"	100	8'-1 ⁵ / ₈ "	14'-7"	119	17
407	DMS Butterfly	32'-1 ¹ / ₄ "	100	8'-1 ⁵ / ₈ "	14'-7"	119	27

(FOR SITE 404 FOUNDATION SEE SHEET S-05)



Mehmet B. Civelek
03-10-2010

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE-BUTTERFLY	Foot	63
OVERHEAD SIGN STRUCTURE-WALKWAY	Foot	63
CONCRETE FOUNDATIONS	Cu. Yds.	35
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	7
ROCK EXCAVATION FOR STRUCTURES	Cu. Yds.	71

ROADSIDE D.M.S. STRUCTURES
GENERAL PLAN & ELEVATION
STEEL SIGN SUPPORTS

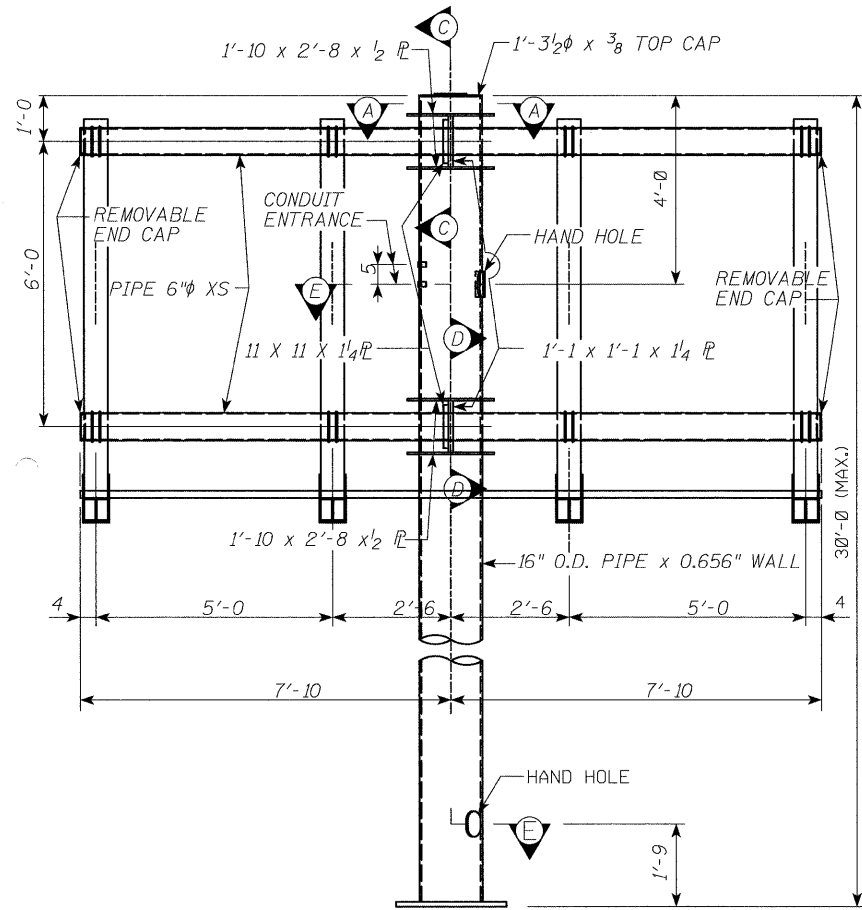
DESIGNED	MBC
CHECKED	KLG
DRAWN	FJD
CHECKED	KLG

EXAMINED	200
PASSED	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

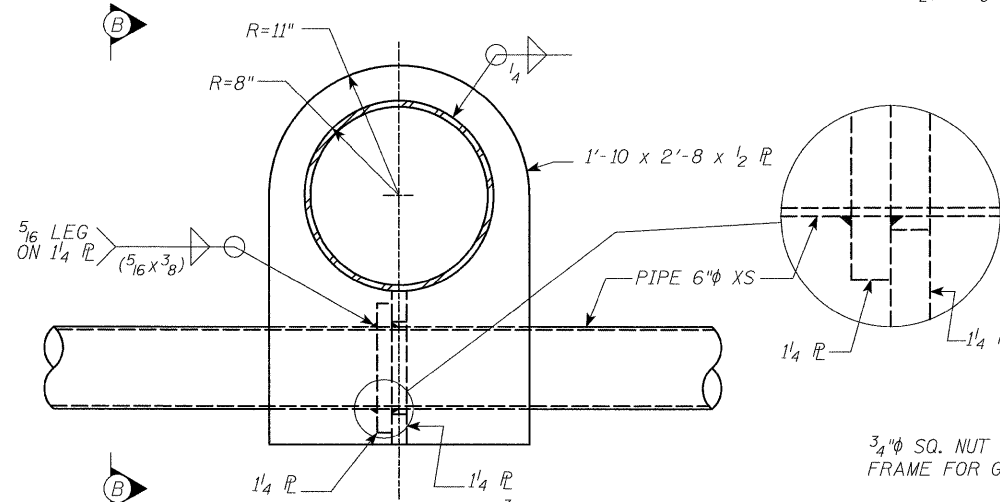
NUMBER	REVISION	DATE

SHEET NO. 16 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	16
			CONTRACT NO. 64F86		
			ILLINOIS FED. AID PROJECT C-92-061-10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

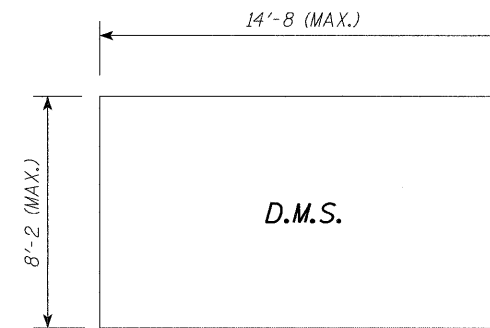


ELEVATION

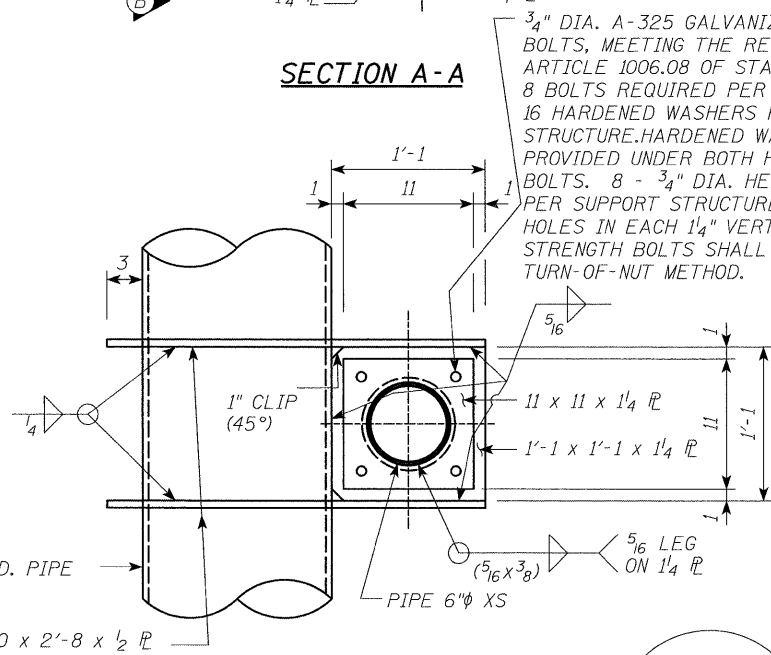


SECTION A-A

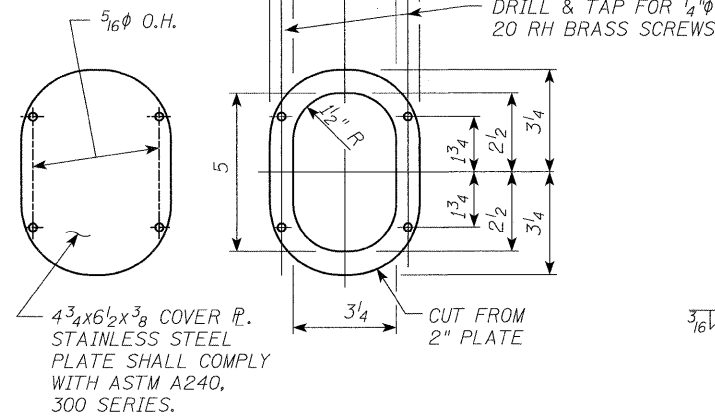
COVER PLATE DETAIL



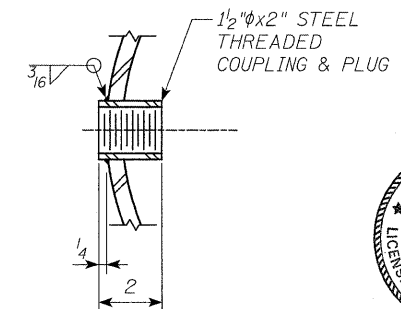
D.M.S. LIMITS FOR SIGN
SUPPORT DESIGN.
1700 LBS. MAX.
1'-4 MAX. DEPTH



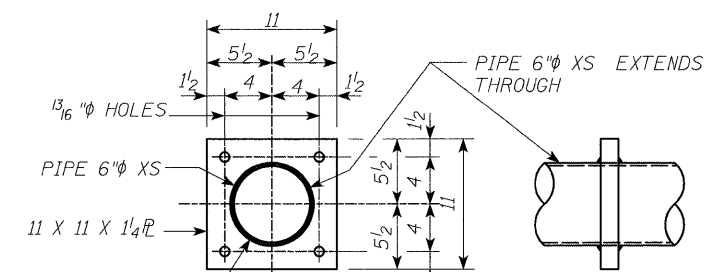
SECTION B-B



DETAIL "B"

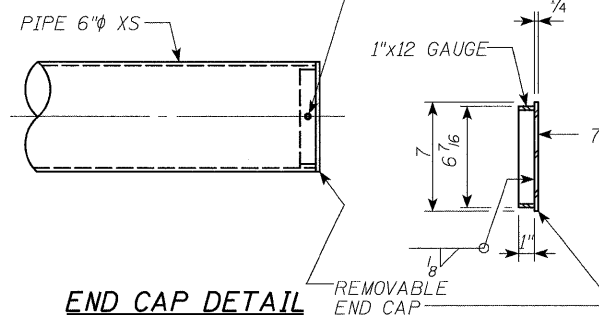


DETAIL "C"

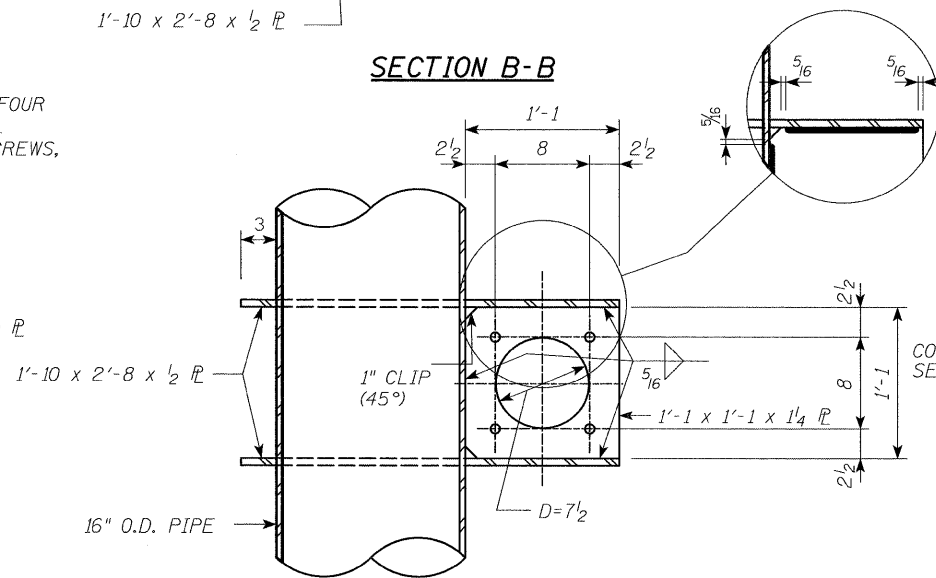


SECTION C-C

DRILL AND TAP FOR FOUR
1/4" STAINLESS STEEL
SOCKET HEAD SET SCREWS,
90° APART.

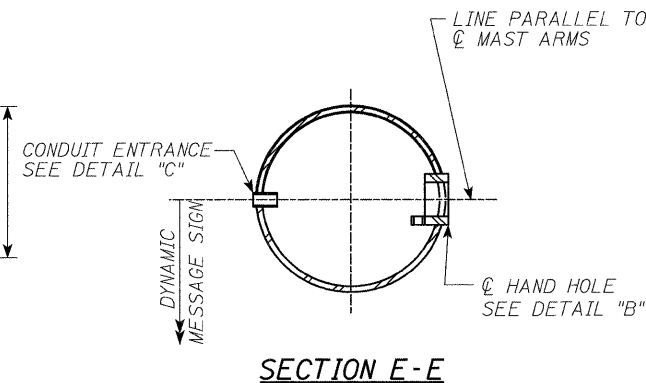


END CAP DETAIL



SECTION D-D

(PIPE 6" XS NOT SHOWN)



SECTION E-E

DESIGNED	MBC
CHECKED	KLK
DRAWN	FJD
CHECKED	KLK

EXAMINED	200
PASSED	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

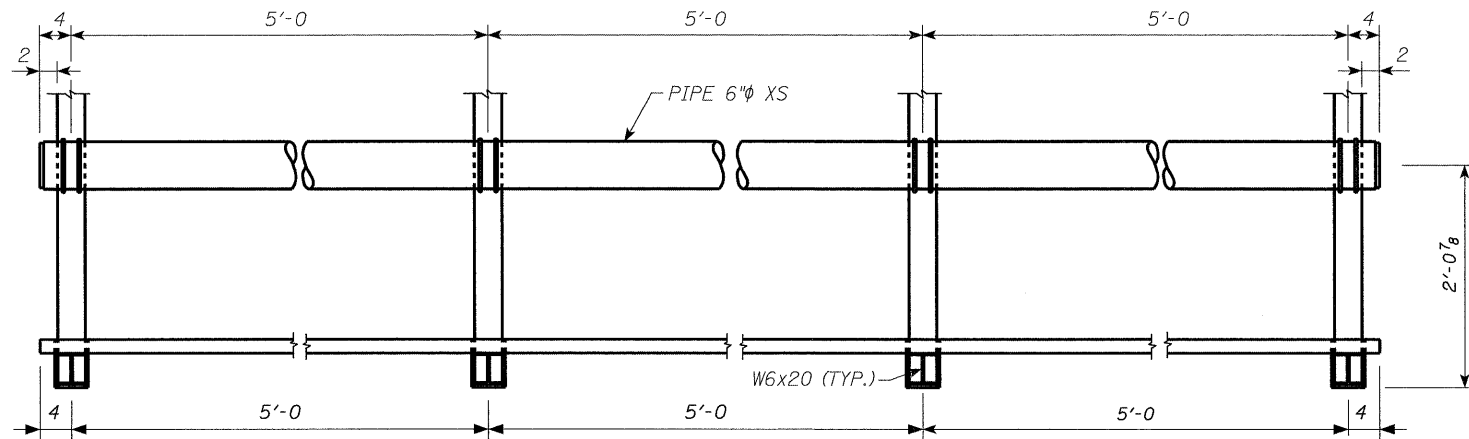
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	CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C-92-061-10	



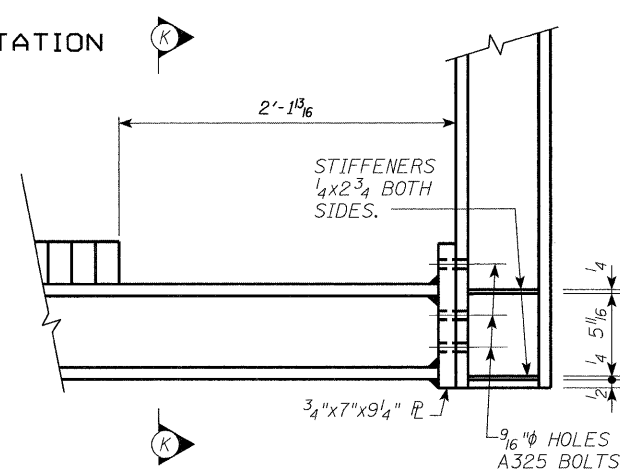
Mehmet B. Civelek
03-10-2010

**STEEL ROADSIDE D.M.S.
SUPPORT
SIGN SUPPORT DETAILS**

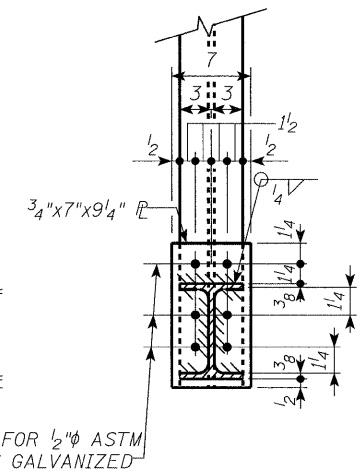
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



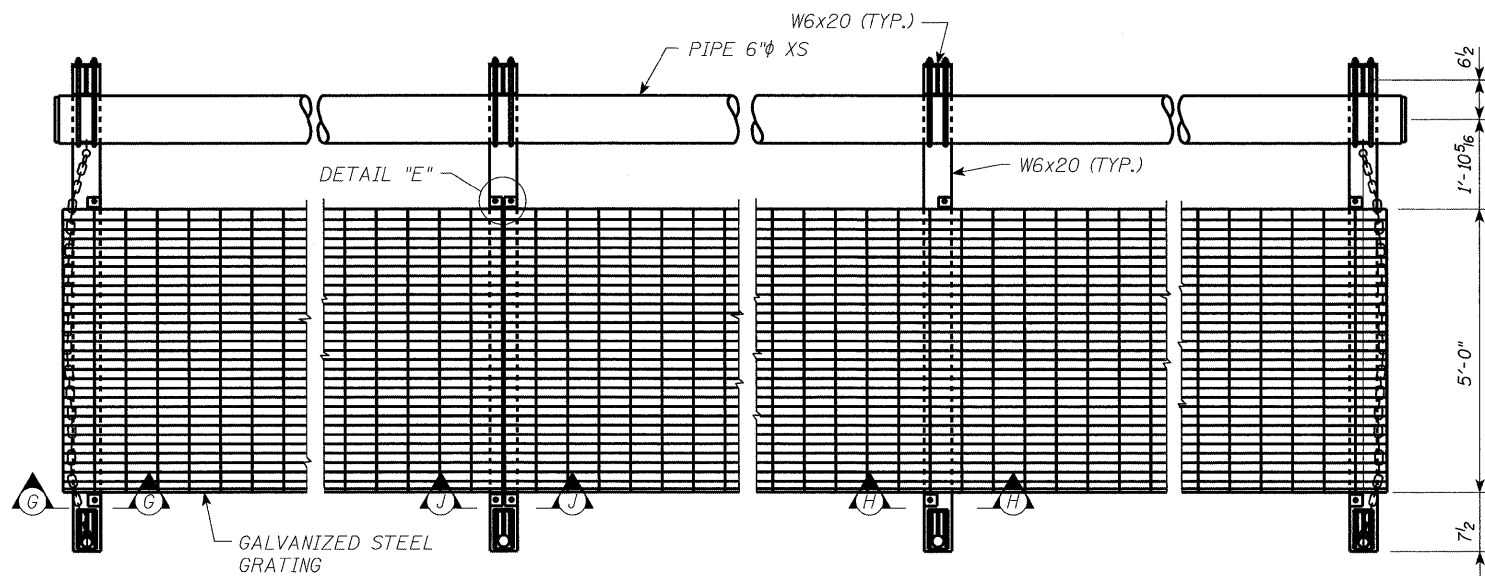
PART ELEVATION (HANDRAIL NOT SHOWN)



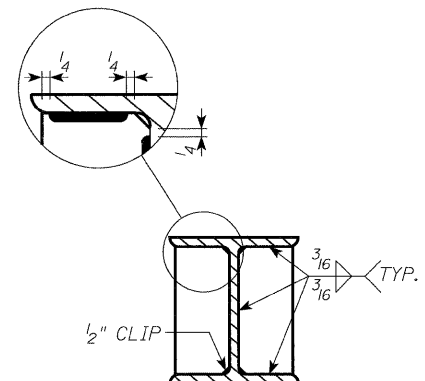
DETAIL "F"



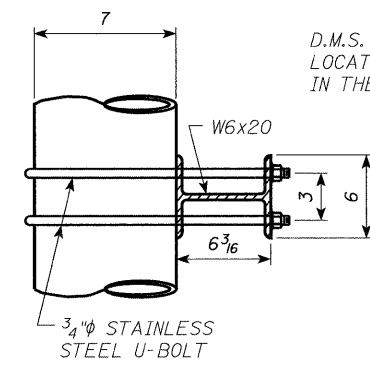
SECTION K-K



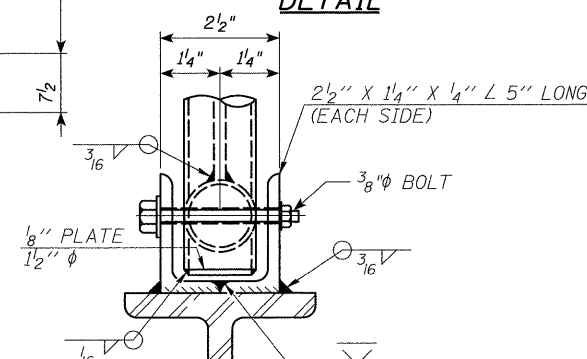
PART PLAN



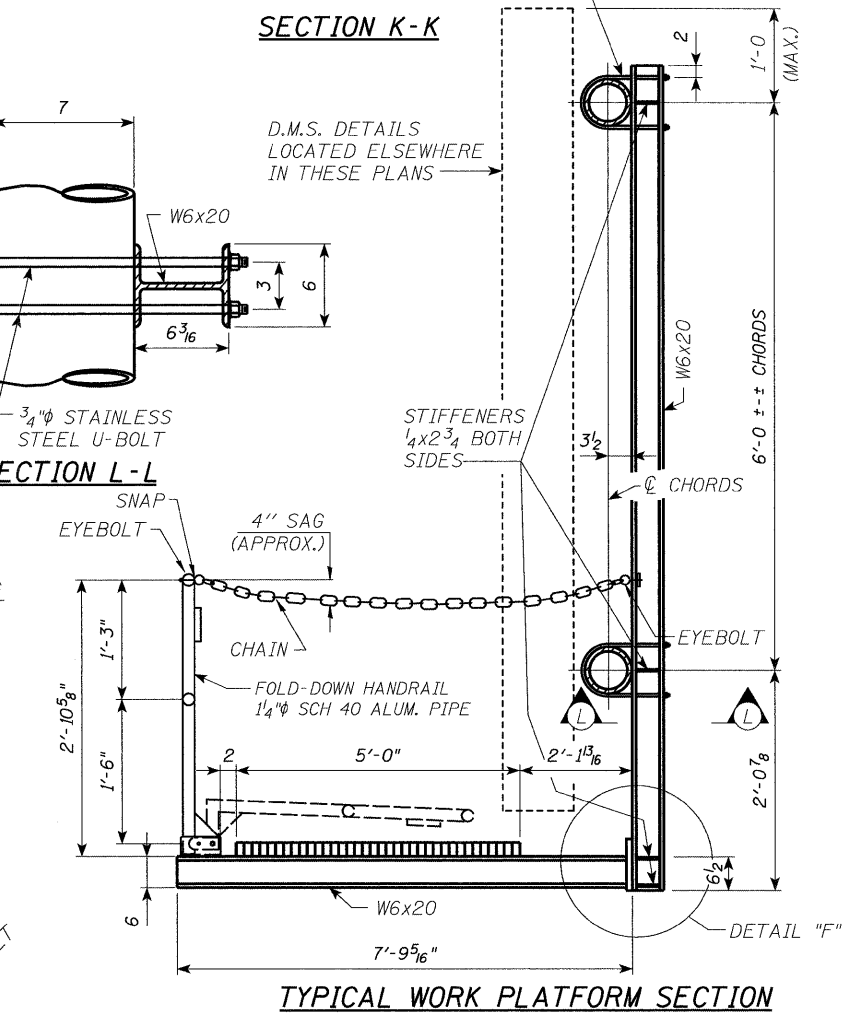
TYPICAL STIFFENER DETAIL



SECTION L-L



HANDRAIL HINGE DETAIL

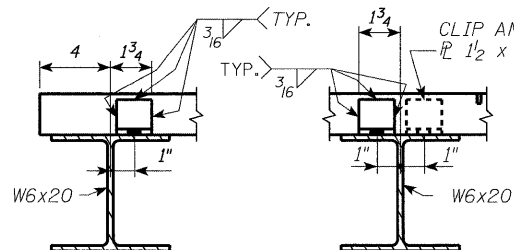


TYPICAL WORK PLATFORM SECTION



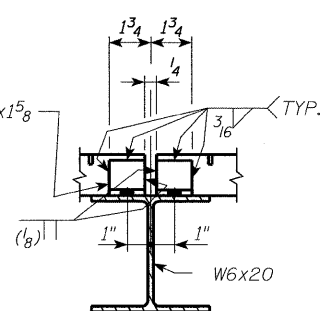
03-10-2010

Mehmet B. Civelek

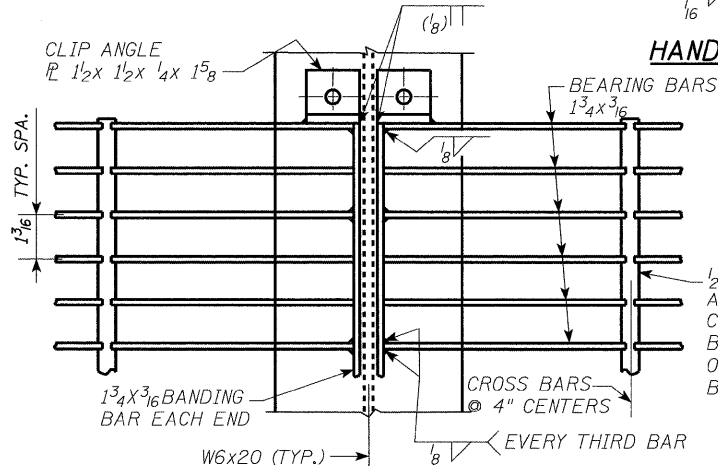


SECTION G-G

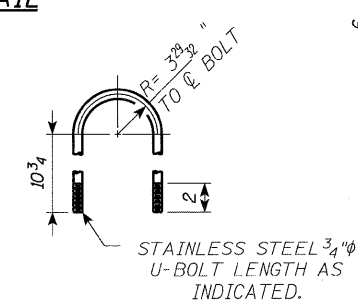
SECTION H-H



SECTION J-J



DETAIL "E"



STAINLESS STEEL U-BOLT DETAIL

- NOTES:
1. 7/16" HOLE IN CLIP ANGLE AND 7/16" HOLE IN W6x20 FOR 3/8" STAINLESS STEEL BOLT. ADJUST CLIP SO GRATING BEARS ON BEAM.
 2. HANDRAIL SHALL BE ASTM B241 OR B249, ALLOY 6063-T6 OR ALLOY 6061-T6.

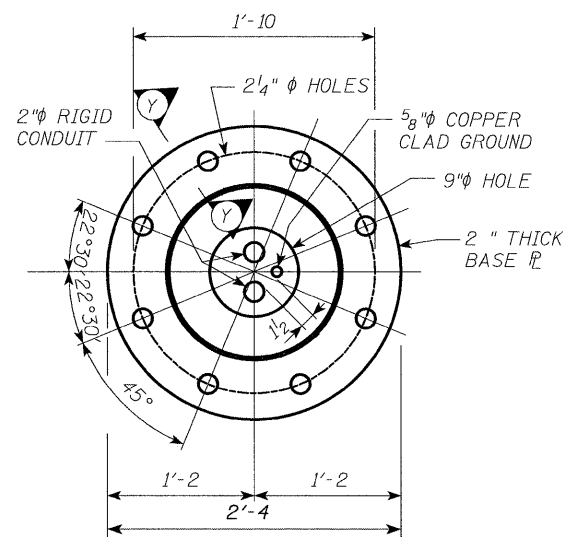
DESIGNED	MBC
CHECKED	KLK
DRAWN	FJD
CHECKED	KLK

EXAMINED	200
PASSED	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

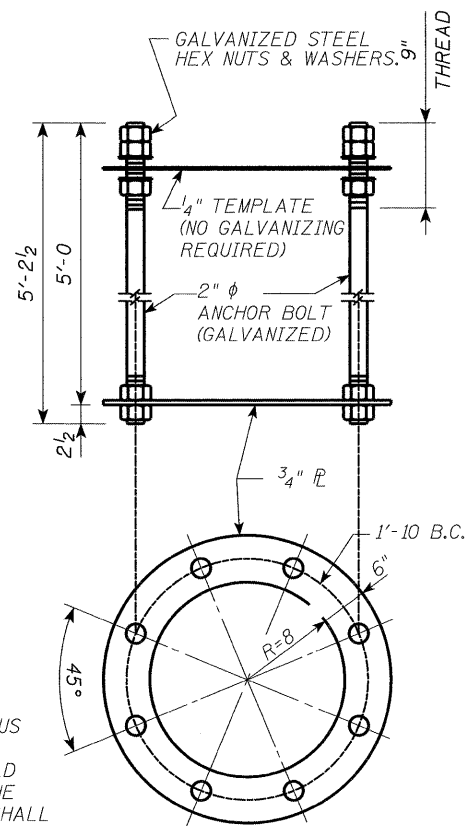
SHEET NO.	18	TOTAL SHEETS	23	SHEET NO.	18
SHEETS	23	CONTRACT NO. 64F86		ILLINOIS FED. AID PROJECT C-92-061-10	

STEEL ROADSIDE D.M.S. SUPPORT WORK PLATFORM DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

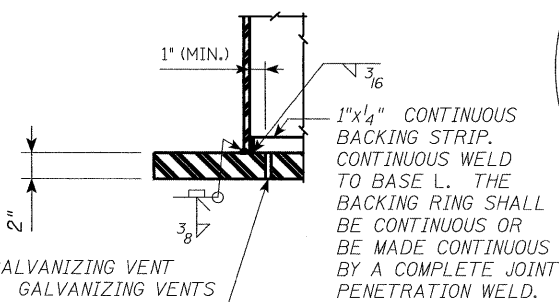


SECTION X-X



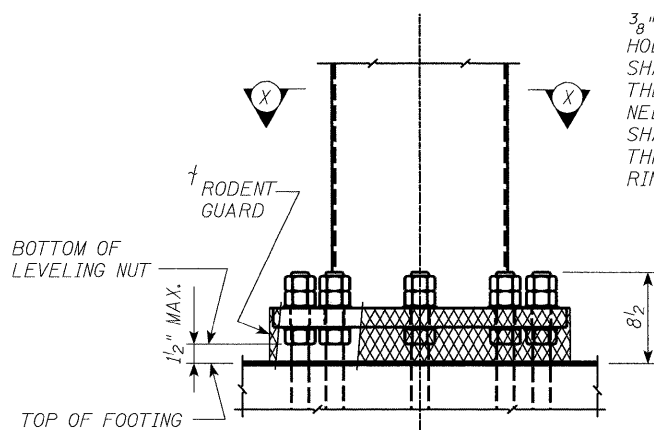
ANCHOR BOLT ASSEMBLY

(ALL ANCHOR BOLT MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 1006.03 OF IDOT STANDARD SPECIFICATIONS)

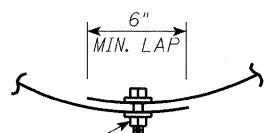


SECTION Y-Y

3/8" GALVANIZING VENT HOLE. GALVANIZING VENTS SHALL BE LOCATED IN THE BASE PLATE IF NEEDED. NO VENT HOLE SHALL BE DRILLED THROUGH THE BACKING RING OR HSS 16x2.



POST BASE DETAIL



RODENT GUARD CLOSURE DETAIL

BOLT, NUT, AND TWO WASHERS TO SUIT GRATE.

† A RODENT GUARD SHALL BE PLACED BETWEEN THE CONCRETE FOOTING AND THE BASE PLATE, SEE ARTICLE 733.07 OF IDOT STANDARD SPECIFICATIONS.

AS AN ALTERNATE STAINLESS STEEL STANDARD GRADE WIRE CLOTH, 1/4" MAXIMUM OPENING WITH A MINIMUM WIRE DIAMETER OF AWG. NO. 16 WITH A MINIMUM 2" LAP. SECURE TO BASE PLATE AFTER ERECTION WITH 3/4" STAINLESS STEEL BANDING.



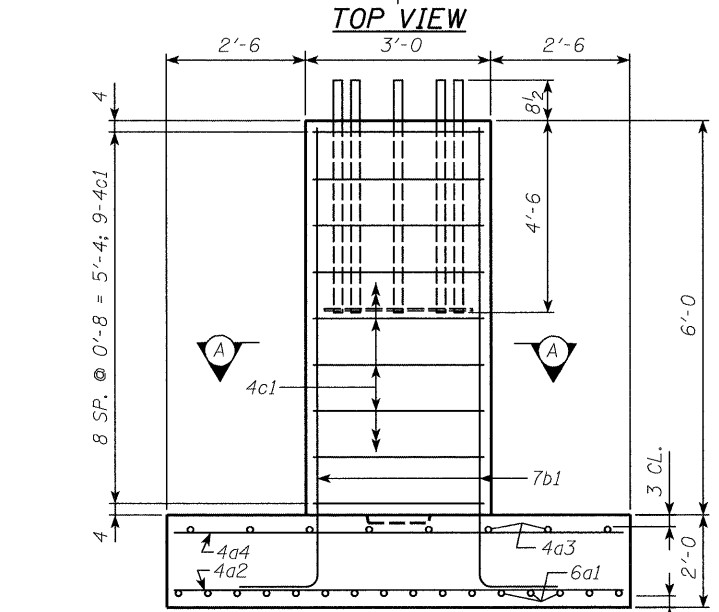
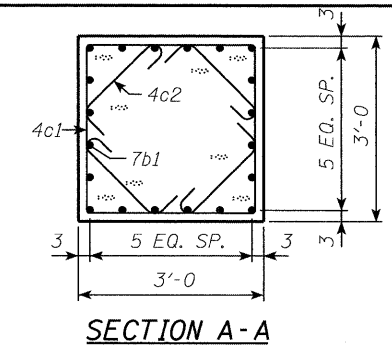
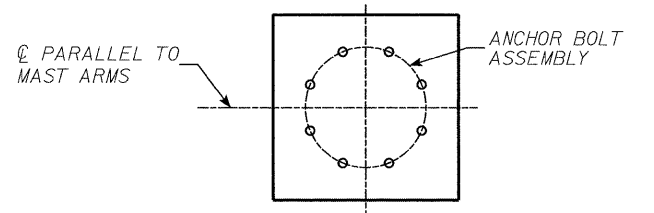
Mehmet B. Civelek
03-10-2010

STEEL ROADSIDE D.M.S.
SUPPORT
SIGN SUPPORT DETAILS

DESIGNED <i>MBC</i>	200
CHECKED <i>KLK</i>	EXAMINED
DRAWN <i>FJD</i>	ENGINEER OF BRIDGE DESIGN
CHECKED <i>KLK</i>	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

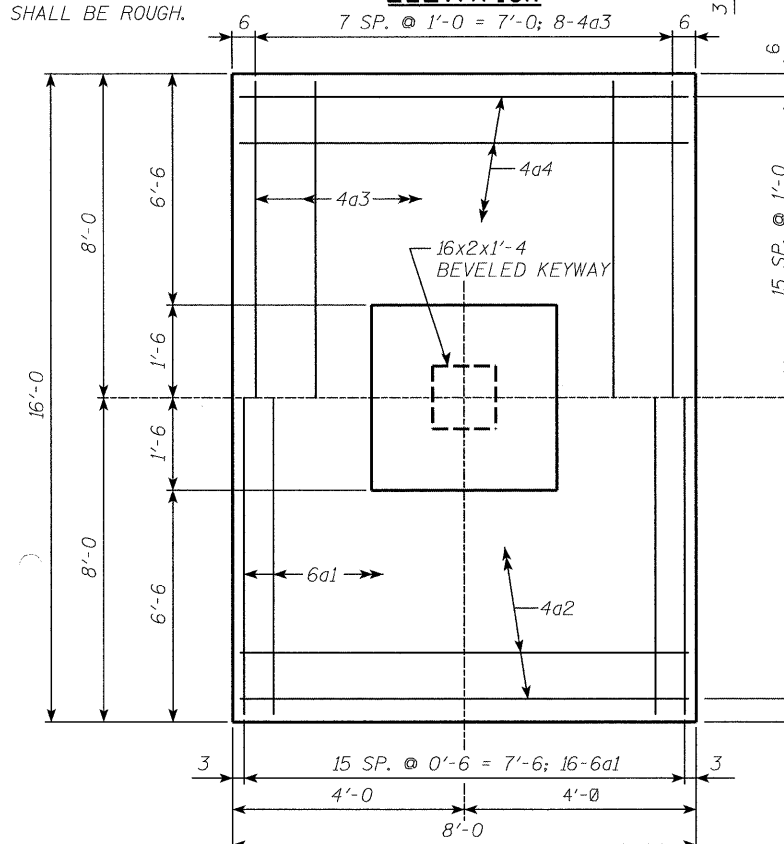
SHEET NO. 19 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	19
			CONTRACT NO. 64F86		
ILLINOIS FED. AID PROJECT C-92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



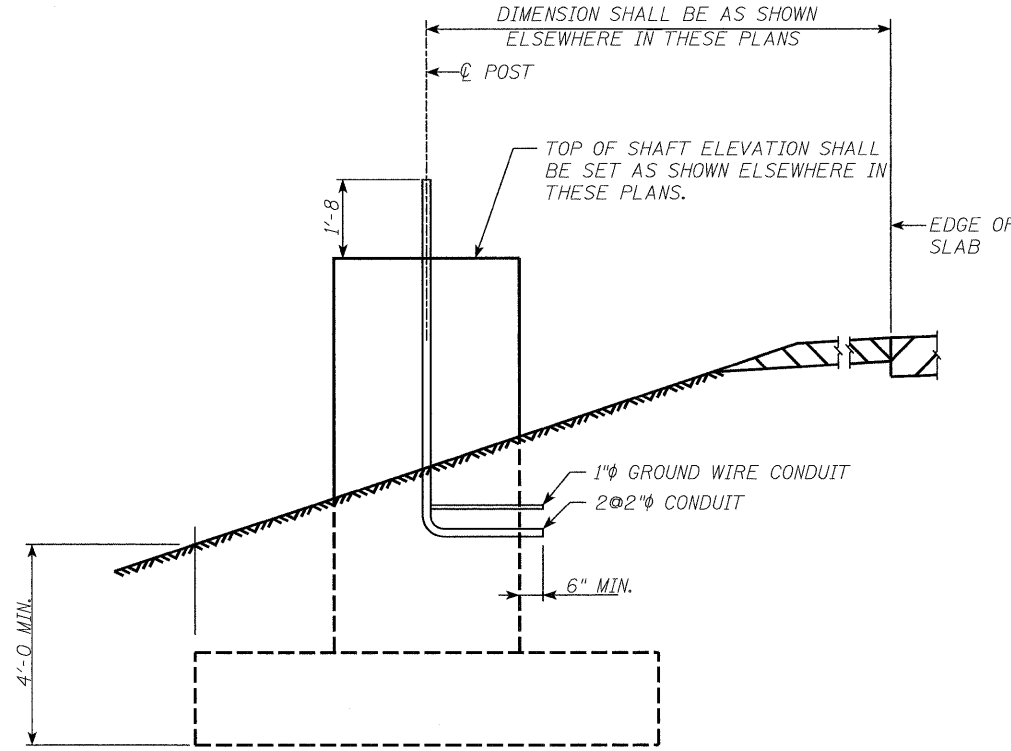
ELEVATION

THE JOINT BETWEEN THE SHAFT AND FOOTING SHALL BE ROUGH.

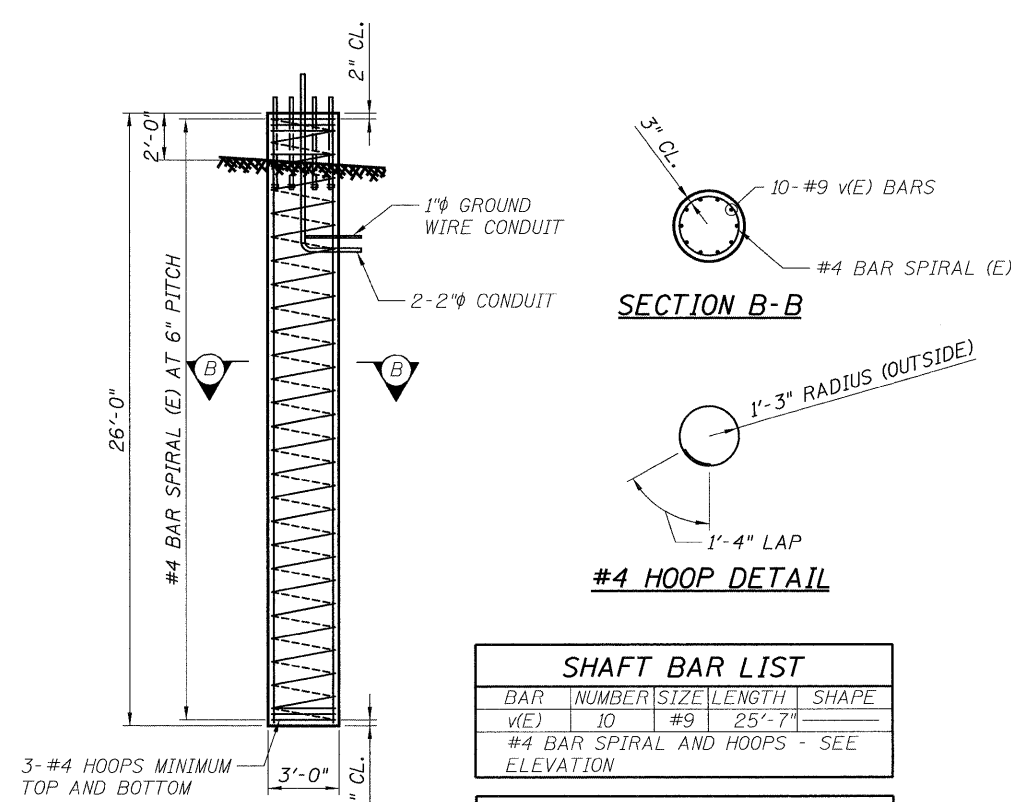


FOOTING PLAN

DESIGNED	MBC	200
CHECKED	KLG	EXAMINED
DRAWN	FJD	PASSED
CHECKED	KLG	ENGINEER OF BRIDGES AND STRUCTURES



ELEVATION - TOP OF SHAFT AND BACKFILL

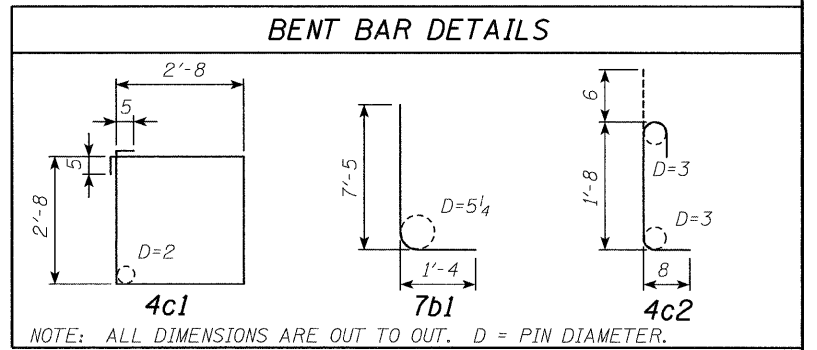


DRILLED SHAFT ELEVATION (FOR SITE 404 ONLY)

BAR	NUMBER	SIZE	LENGTH	SHAPE
v(E)	10	#9	25'-7"	
#4 BAR SPIRAL AND HOOPS - SEE ELEVATION				

ITEM	QUANTITY
SHAFT	7 CU. YDS.

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
6a1	FOOTING BOT., LONGIT.	—	16	15'-8"	377
4a2	FOOTING BOT., TRANSV.	—	16	7'-8"	82
4a3	FOOTING TOP, LONGIT.	—	8	15'-8"	84
4a4	FOOTING TOP, TRANSV.	—	16	7'-8"	82
7b1	FOOTING TO SHAFT DOWEL	L	20	8'-9"	358
4c1	SHAFT HOOPS	□	9	11'-6"	69
4c2	SHAFT TIES	⌋	36	2'-10"	68
REINFORCING STEEL - EPOXY COATED TOTAL (LBS.)					1120



NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.



Mehmet B. Civelek
03-10-2010

ITEM	QUANTITY
SHAFT	2.0
FOOTING	9.5
TOTAL - CU. YDS.	11.5

ITEM	UNIT	QUANTITY
STRUCTURAL CONCRETE	CU. YDS.	11.5
REINFORCING STEEL-EPOXY COATED	LBS.	1120

STEEL ROADSIDE D.M.S. SUPPORT FOUNDATION DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
20	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	20
23					

CONTRACT NO. 64F86
ILLINOIS FED. AID PROJECT C-92-061-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE FAI 74 DESCRIPTION D92-025-10 I-74 Sign Truss, 700' N. of 69th Avenue LOGGED BY W. Garza
SECTION _____ LOCATION Coal Valley Twp. - 21NE, SEC., TWP. 17N, RNG. 1W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPT	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (Hrs.)
Site 406			STIFF brown SILTY CLAY LOAM	1.0	18.0					
		97.80	VERY DENSE gray SHALE/weathered LIMESTONE	9	100/11					
		95.80	Auger Refusal at 4'							
			End of Boring							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

DESIGNED <u>MBC</u>	EXAMINED _____	200
CHECKED <u>KLK</u>	PASSED _____	ENGINEER OF BRIDGE DESIGN
DRAWN <u>FJD</u>		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED <u>KLK</u>		



Mehmet B. Civelek
03-10-2010



SOIL BORING LOG

Page 1 of 1

ROUTE FAI 74 DESCRIPTION D92-025-10 I-74 Sign Truss, 700' N. of 69th Avenue LOGGED BY W. Garza
SECTION _____ LOCATION Coal Valley Twp. - 21NE, SEC., TWP. 17N, RNG. 1W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPT	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (Hrs.)
Site 406			SOFT brown SILTY CLAY LOAM	0.3	20.0					
		109.50	DENSE light gray weathered LIMESTONE	11						
		108.50		41						
			VERY DENSE tan/light gray weathered LIMESTONE	100/3'						
		106.00								
			VERY DENSE tan weathered LIMESTONE	100/6.5"						
		103.50	Auger Refusal @ 8.5'							
			End of Boring							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

STEEL ROADSIDE D.M.S.
SUPPORT
BORING LOGS SHEET 1

SHEET NO. 21 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	21
			CONTRACT NO. 64F86		
ILLINOIS FED. AID PROJECT C-92-061-10					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

Date 12/21/09

ROUTE FAI 74 DESCRIPTION D92-025-10 I-74 Sign Truss, .2 m. N. of the Rock River LOGGED BY W. Garza

SECTION _____ LOCATION S. Moline Twp. - 16NE, SEC. , TWP. 17N. RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
		(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
MEDIUM brown SILTY CLAY LOAM				0.8 P	26.0			79.00			
VERY SOFT light brown LOAM	98.00		2 4 4	0.2 P	18.0			100/4"			
MEDIUM tan very moist weathered LIMESTONE	96.00		6 8 9					100/2"			
STIFF brown LOAM with SILT lens	93.50		9 11 7	1.8 S	16.0						
VERY STIFF brown LOAM with GRAVEL fill	91.50		6 12 18	2.0 P	9.0						
DENSE gray/brown/tan FILL with LIMESTONE	89.00		19 37 9		9.0						
VERY SOFT brown LOAM, very moist	86.50		5 5 6	0.2 P	25.0						
STIFF dark brown CLAY LOAM with LIMESTONE fragments	84.00		1 4 5	1.7 B	29.0						
VERY DENSE gray SHALE	81.00		100/4"								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Mehmet B. Civelek
03-10-2010

STEEL ROADSIDE D.M.S.
SUPPORT
BORING LOGS SHEET 3

DESIGNED <u>MBC</u>	EXAMINED _____ ENGINEER OF BRIDGE DESIGN
CHECKED <u>KLK</u>	PASSED _____ ENGINEER OF BRIDGES AND STRUCTURES
DRAWN <u>FJD</u>	
CHECKED <u>KLK</u>	

SHEET NO. 23 SHEETS 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	23
CONTRACT NO. 64F86			ILLINOIS FED. AID PROJECT C-92-061-10		