

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.I. ROUTE 64 (I-64)
SECTION 82-9 WIMDCS 2018-1
PROJECT NO.: NHPP-Y9AP (709)
WEIGH-IN-MOTION DATA
COLLECTION SYSTEM
ST. CLAIR COUNTY

C-98-134-18

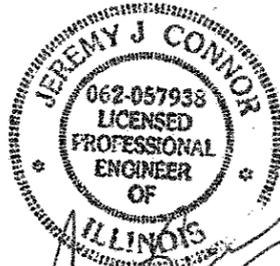
F.A.I. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-9 WIMDCS 2018-1	ST. CLAIR	11	1
		ILLINOIS	CONTRACT NO. 76K61	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 STANDARDS, GENERAL NOTES, COMMITMENTS AND TYPICAL SECTION
- 3 SUMMARY OF QUANTITIES
- 4 PLAN
- 5-11 SCALE DETAILS

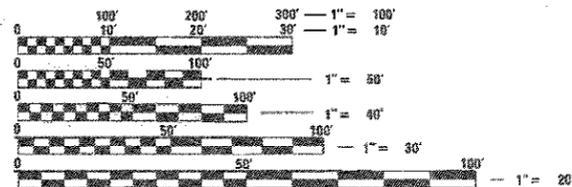


PREPARED BY:
HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959



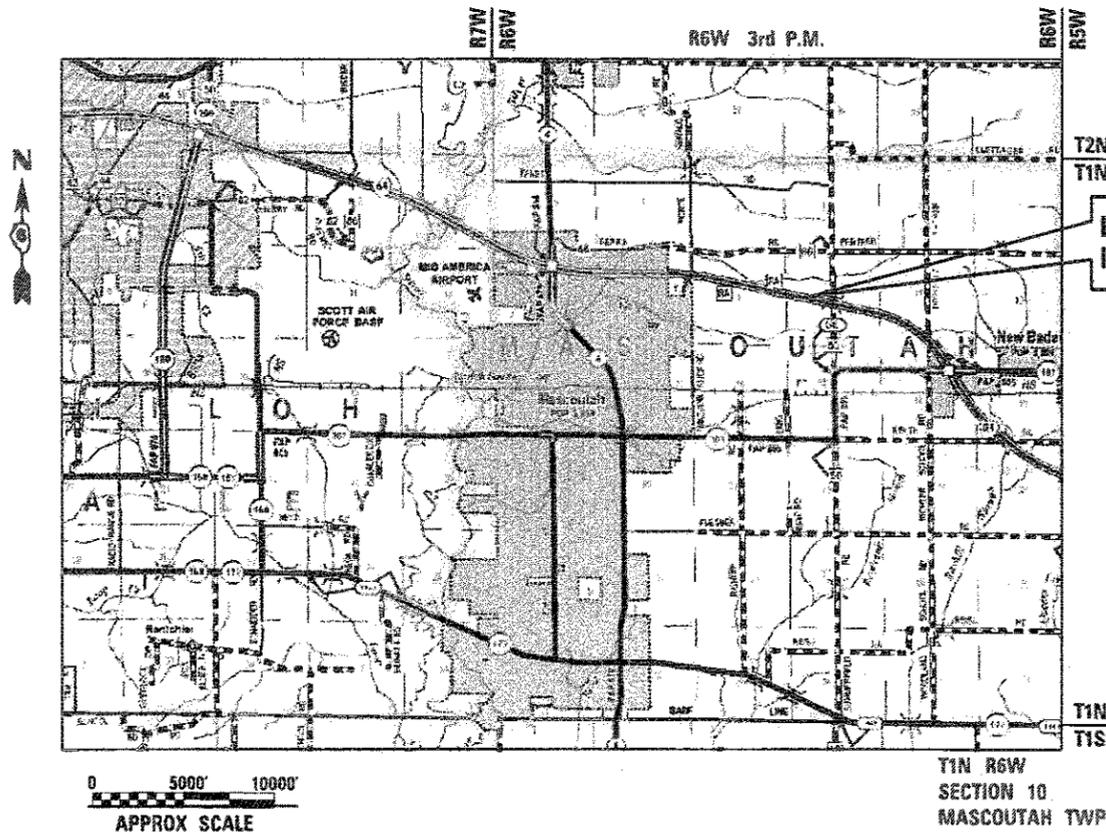
10-17-17

JEREMY J. CONNOR P.E.#062-057938 DATE
LICENSE EXPIRES: NOVEMBER 30, 2017
HURST-ROSCHE, INC.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-992-0123
OR 811



GROSS LENGTH = 180.00 FT. = 0.034 MILE



LOCATION OF IMPROVEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 19 20 17
Jeffrey Z. K...
REGIONAL ENGINEER

Nov 30 20 17
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Nov 30 20 17
David A. ...
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER-HERVE GELIN-(618) 346-3179
PROJECT MANAGER-CRAIG S POETTKER, (618) 346-3279
SQUAD LEADER-MICHAEL PRESTON-(618) 346-3143
CONTRACT NO. 76K61

LIST OF APPLICABLE HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERN
- 001001-02 AREAS OF REINFORCEMENT BARS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY /EXPRESSWAY
- 701401-11 LANE CLOSURE, FREEWAY /EXPRESSWAY
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY /EXPRESSWAY
- 701901-07 TRAFFIC CONTROL DEVICES
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-03 HANDHOLE

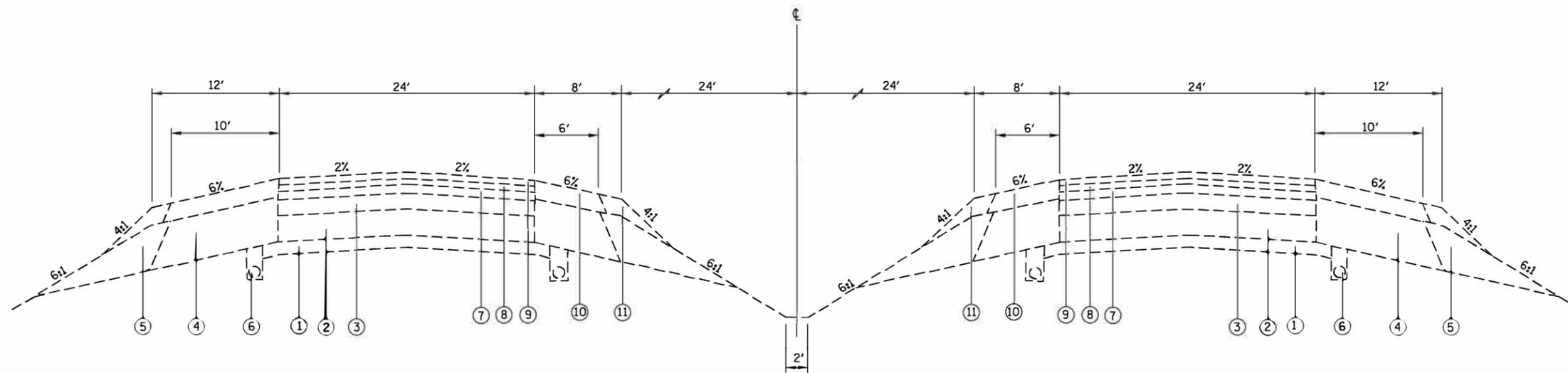
COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

GENERAL NOTES:

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - CHARTER COMMUNICATIONS LARRY SCHMIDT 618-416-4685x47058
 - CLINTON COUNTY/ELECTRIC CO-OP BOB KROEGER 618-526-7282
 - FRONTIER COMMUNICATIONS (SOUTH) KALIN HINSHAW 815-895-1515
 - VILLAGE OF NEW BADEN RONALD RENTH 618-588-3813

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT EIGHT TRAFFIC CONTROL SUPERVISOR AT (618)346-3283 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.



WB - TANGENT SECTION
STA 1283+00 TO STA 1290+00

EB - TANGENT SECTION
STA 1283+00 TO STA 1290+00

LEGEND

- ① SUB-BASE, 4"
- ② C.R.P.C.C. PAVEMENT, 8"
- ③ RESURFACING, 6 1/2" OR 8 1/4"
- ④ BITUMINOUS SHOULDER
- ⑤ AGGREGATE SHOULDER, TYPE B
- ⑥ PIPE UNDERDRAIN
- ⑦ HMA BINDER COURSE, IL-19.0, N105, 2 1/4"
- ⑧ POLYMERIZED HMA BINDER COURSE, N150, 2 1/4"
- ⑨ POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT N80, 2"
- ⑩ HMA SHOULDER
- ⑪ AGGREGATE SHOULDER WEDGE, TYPE 8

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 180-2356



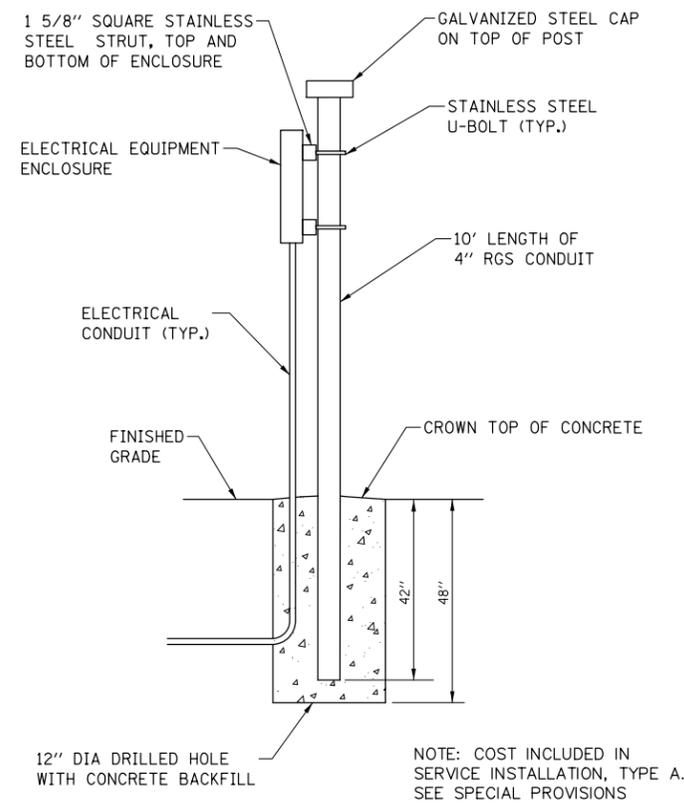
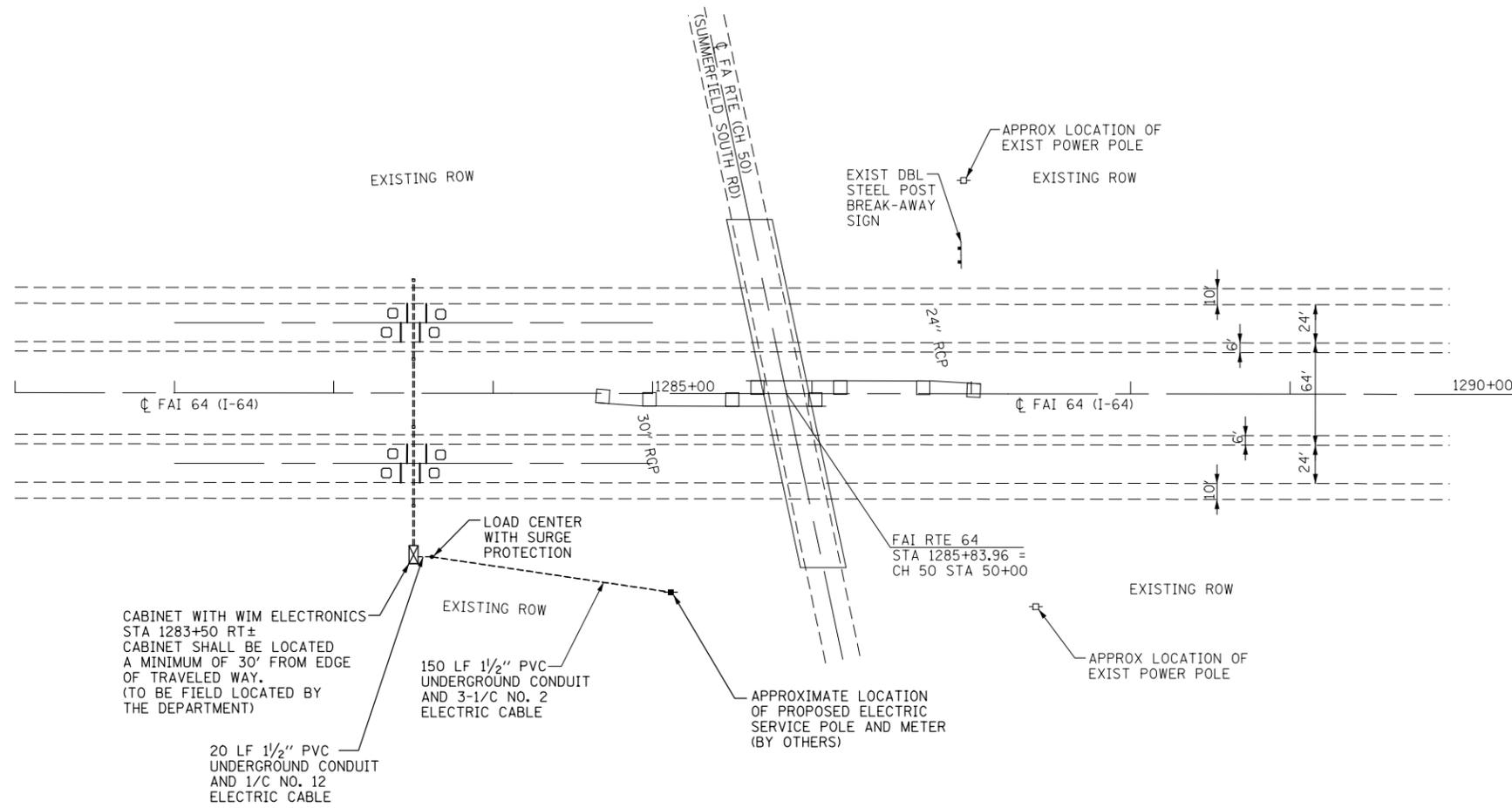
FILE NAME =	USER NAME = prestonme	DESIGNED - JJC	REVISED - MIS 11-20-2017
pw:\IL084EBIDINTEG\illinois.gov\PIW001\Documents\DOT Offices\District 8\Projects\0876\DRAWING\DATA\DATA\0876K61-shr-elec.dwg		CHECKED - GR	REVISED -
Default	PLOT DATE = 8/7/2017	DATE - 6-30-17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI 64 (I-64) WEIGH-IN-MOTION DATA COLLECTION SYSTEM
STANDARDS, GENERAL NOTES, COMMITMENTS
AND TYPICAL SECTION

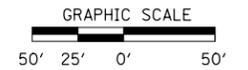
SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA. STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-9 WIMDCS 2018-1	ST. CLAIR	11	2
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K61	



LOAD CENTER
NOT TO SCALE

NOTE:
PLAN VIEW TAKEN FROM PLANS
FOR CONTRACT NO. 76855

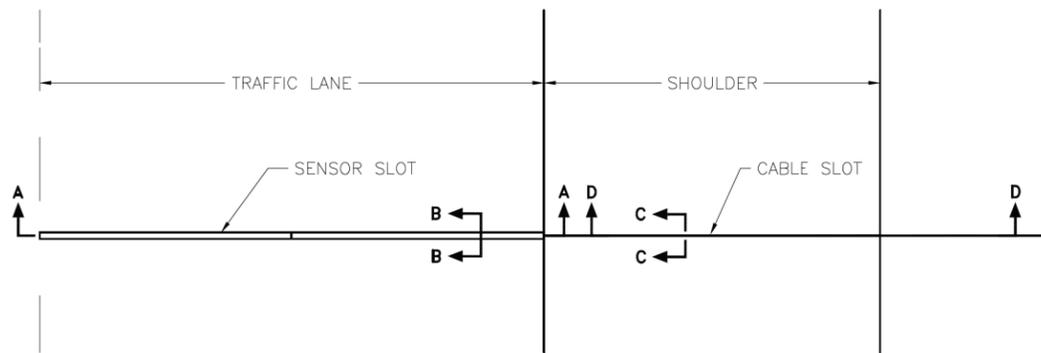


HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 180-2356

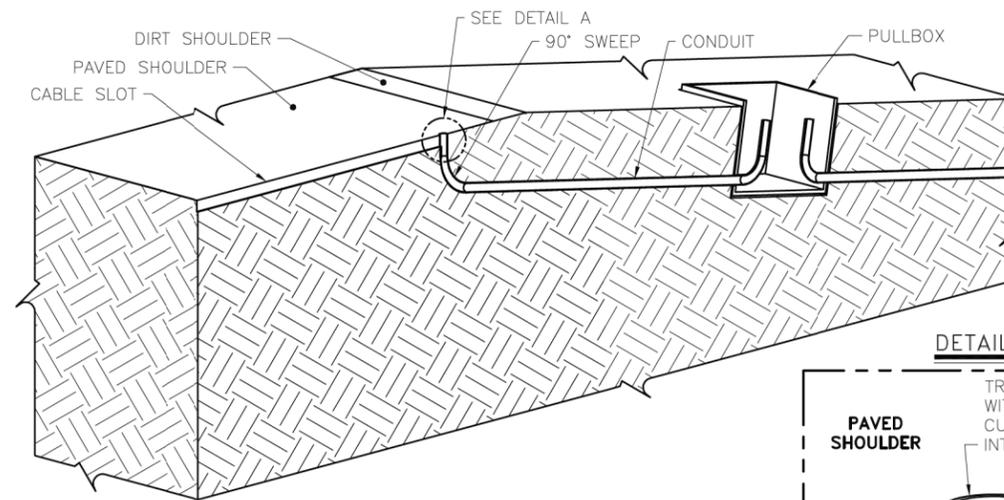


FILE NAME =	USER NAME = prestonme	DESIGNED JJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI 64 (I-64) WEIGH-IN-MOTION DATA COLLECTION SYSTEM PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\KBR\Drawings\CAD\Drawings\0875\0875-11-084EBIDINTEG\0875-11-084EBIDINTEG.dwg	DATE 6-30-17	REVISIONS	64			82-9 WIMDCS 2018-1	ST. CLAIR	11	4	
PLOT SCALE = 1/8" = 1'-0"	CHECKED GR	REVISIONS	CONTRACT NO. 76K61							
PLOT DATE = 8/7/2017	DATE 6-30-17	REVISIONS	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. 1283+00	TO STA. 1290+00					

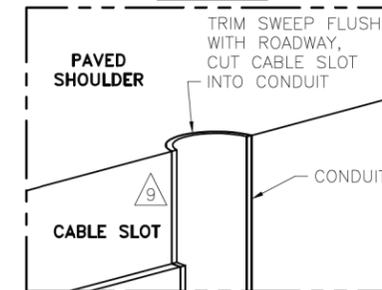
PLAN VIEW - SENSOR INSTALLATION



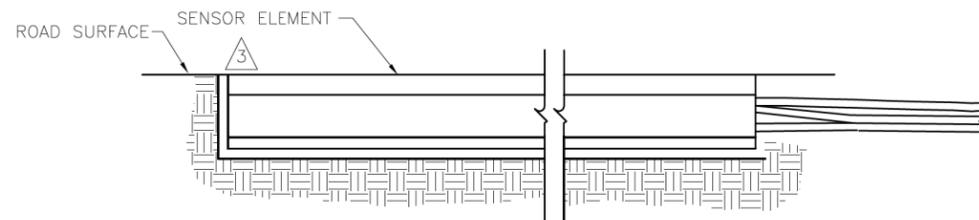
SECTION D-D (CABLE ROUTING DETAILS)



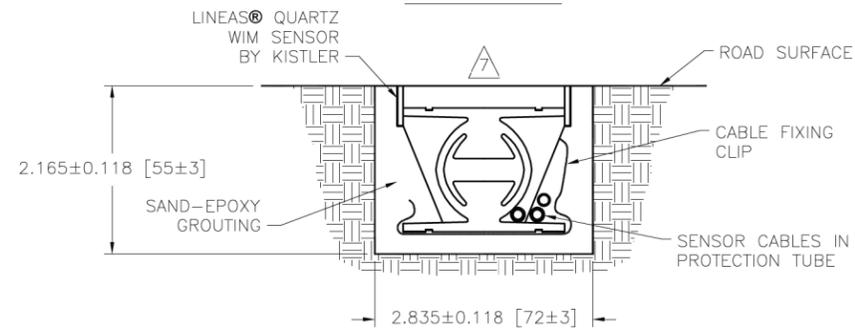
DETAIL A



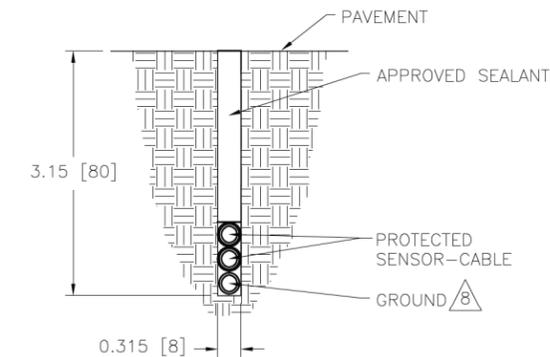
SECTION A-A



SECTION B-B



SECTION C-C



NOTES:

- 1 FOR INSTALLATION PROCESS REFER TO MANUFACTURERS INSTALLATION MANUAL.
- 2 SLOT LENGTH IS 6 [152] LONGER THAN SENSOR.
- 3 SET SENSOR FLUSH WITH OR SLIGHTLY HIGHER THAN ROAD SURFACE USING INCLUDED LEVELING BEAMS.
- 4 CHECK THE RESISTANCE OF THE SENSOR BY PLACING A DIGITAL MULTIMETER ACROSS THE CENTER CONDUCTOR OF THE BNC CONNECTOR AND THE OUTER BODY. THE READING SHOULD BE INFINITY.
- 5 CHECK THE VOLTAGE OUTPUT OF THE SENSOR BY MONITORING THE METER WHEN A TRUCK PASSES OVER THE SENSOR INSTALLED IN THE ROADWAY. AS THE TRUCK PASSES OVER THE SENSOR, VOLTAGE DEFLECTION SHOULD BE OBSERVED.
- 6 CRACKS OR SAW CUTS IN THE ROADWAY MUST NOT BE LOCATED CLOSER THAN 18 [450] UPSTREAM AND 18 [450] DOWNSTREAM OF THE SENSOR.
- 7 SENSOR MUST BE GROUND FLUSH WITH ROAD SURFACE AFTER GROUT HAS CURED.
- 8 IF SIGNIFICANT NOISE SOURCES ARE IDENTIFIED, OVERHEAD POWER SOURCES ETC., CONNECT OPTIONAL GROUND WIRE AS PER 690359 SECTION 4.5 OF THE MANUFACTURE'S INSTALLATION GUIDE, OTHER END OF GROUND WIRE CONNECTS TO CABINET GROUND BUSBAR.
- 9 CORE DRILL OR CUT NOTCH IN PAVED SHOULDER FOR SWEEP. PLUG SWEEP OPENING, COVER WITH LOOP SEALANT.

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 180-2356



FILE NAME =	USER NAME = prestonme	DESIGNED - JJC	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\BROWNDATA\CAD\sets\D876K61-shr-elec.dwg		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - GR	REVISED -
	PLOT DATE = 8/7/2017	DATE - 6-30-17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 64 (I-64) WEIGH-IN-MOTION DATA COLLECTION SYSTEM
SCALE DETAILS**

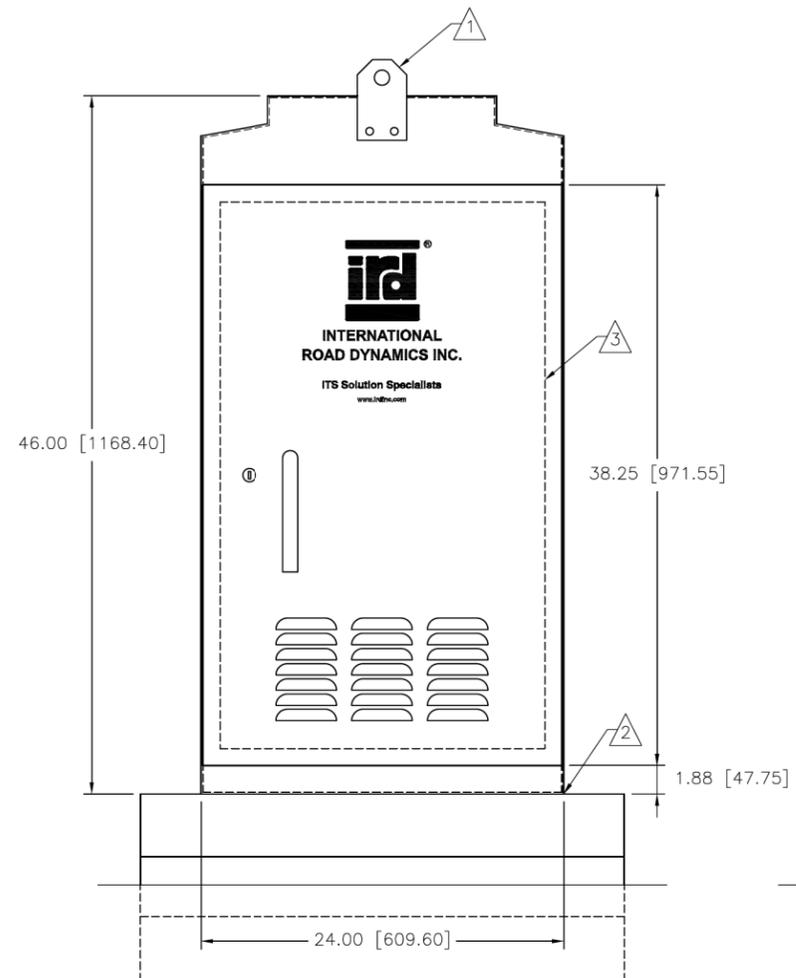
SCALE: NO SCALE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-9 WIMDCS 2018-1	ST. CLAIR	11	6
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K61	

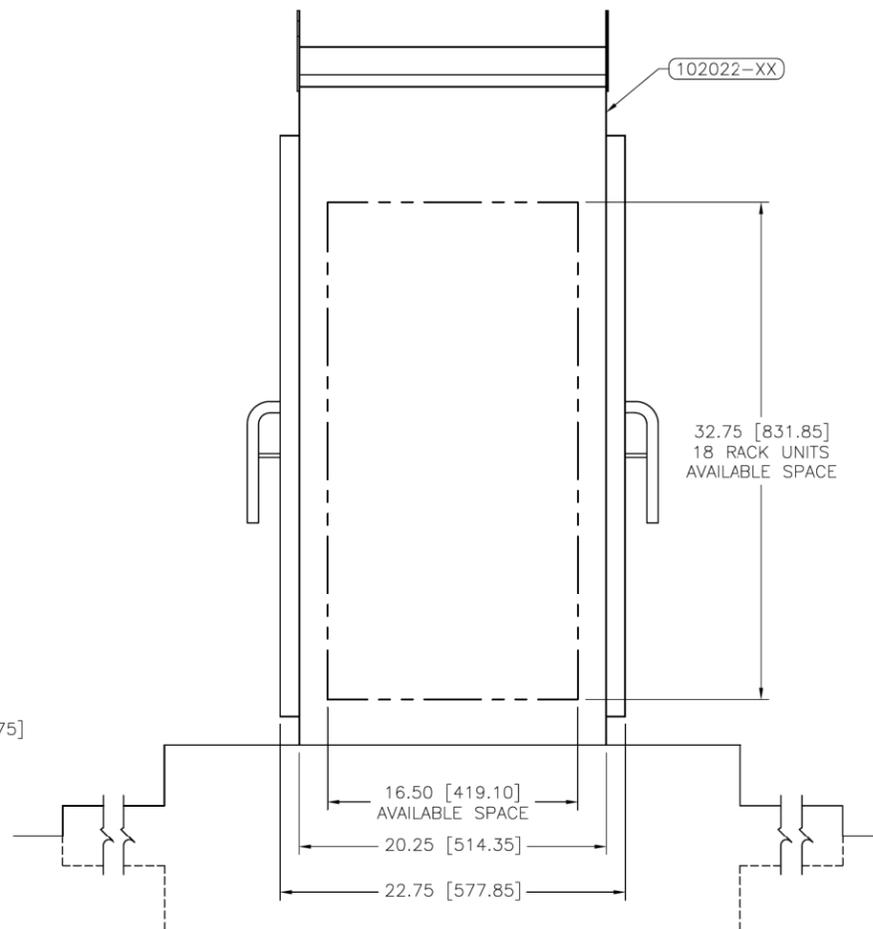
HURST-ROSCHKE, INC.
 HILLSBORO, ILLINOIS 62049
 PHONE (217)532-3959
 JOB NO. 180-2356



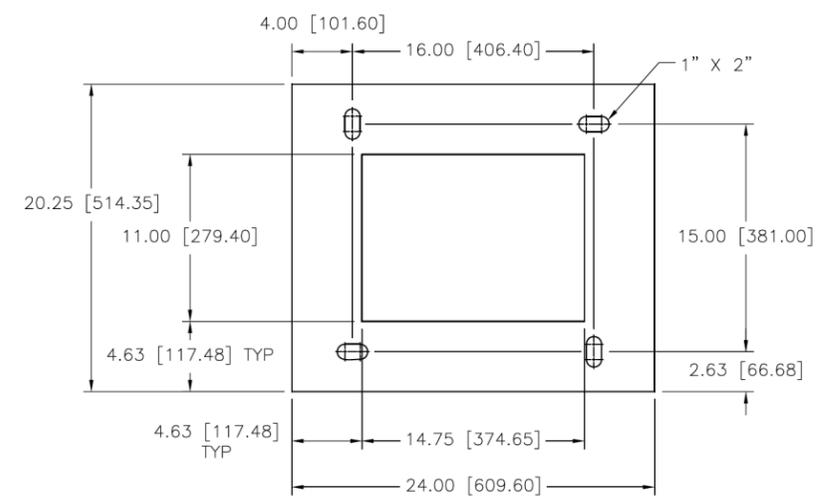
FRONT VIEW



SIDE VIEW



PAD MOUNTING PATTERN



NOTES:

- 1 LIFTING EYE. MAY BE UNBOLTED AND ROTATED 180° FOR STORAGE.
- 2 SEAL CABINET TO FOUNDATION JOINT WITH SILICONE SEALANT TO PREVENT WATER INTRUSION. LOCATE CABINET ABOVE HIGH WATER LEVEL.
- 3 REMOVABLE 19" EIA RACK.

FILE NAME =	USER NAME = prestonme	DESIGNED - JJC	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 8\Projects\D875KBR\Drawings\CAD\Units\D876K61-shr-elec.dwg		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED - GR	REVISED -
	PLOT DATE = 8/7/2017	DATE - 6-30-17	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAI 64 (I-64) WEIGH-IN-MOTION DATA COLLECTION SYSTEM
 SCALE DETAILS**

SCALE: NO SCALE SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-9 WIMDCS 2018-1	ST. CLAIR	11	9
CONTRACT NO. 76K61				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

