0

0

0

01-17-2020 LETTING ITEM 064

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION

OTHER ARTERIAL

2018 ADT = 14300 (ESTIMATED)

SU = 6.1% MU = 12.2%

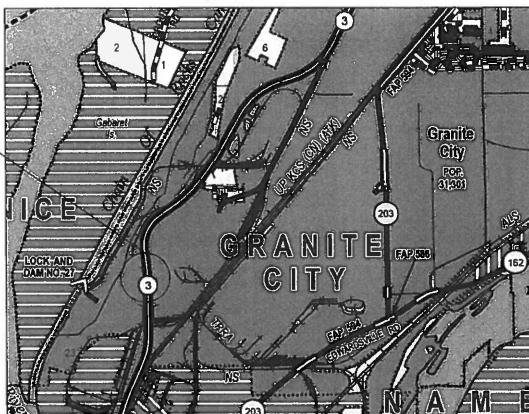
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED

FAP ROUTE 2 (IL 3) SECTION 103SW-1 PROJECT NHPP-A0CS(973) **ADA IMPROVEMENTS & TRAFFIC SIGNAL** REPLACEMENT **MADISON COUNTY**

C-98-314-18

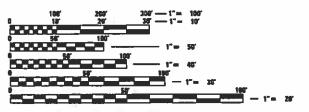


R 10 W NOT TO SCALE

GROSS LENGTH = 175,00 FT. = 0.03 MILE NET LENGTH = 175.00 FT. = 0.03 MILE

HIGHWAY PLANS

PROJECT LOCATION: NIEDRINGHAUS AVE. LATITUDE: 38.70150 LONGITUDE: -90.16774



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.LE. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: HERVE GELIN (618) 346-3179 **DESIGNER: MARY SMITH (618) 346-3495**

CONTRACT NO. 76L91

RUNOIS CONTRACT NO. 76L91

D-98-103-18



DEPARTMENT OF TRANSPORTATION

STATE OF BLINOIS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS
- AND COMMITMENTS
- 3-5 SUMMARY OF QUANTITIES
- SCHEDULE OF QUANTITIES PLAN SHEET NIEDRINGHAUS AVE.
- CURB RAMP DETAILS NIEDRINGHAUS AVE.
- MEDIAN ISLAND DETAILS NIEDRINGHAUS AVE.
- 10-11 NORTHING, EASTING, AND ELEVATIONS 12 REMOVAL SHEET NIEDRINGHAUS AVE.
- 13-17 PLAT OF HIGHWAYS
- 18-21 TRAFFIC SIGNAL PLANS
- 22 CURB & GUTTER DOWEL BAR DETAIL

HIGHWAY STANDARDS

000001-07 001001-02

001006 424001-11

424006-04 424011-04

424016-05 424021-05 424031-02

442101-09 606001-07

606301-04 701422-10 701601-09

701701-10 701801-06 701901-08

780001-05 782001-01

814001-03 873001-02 876001-04

878001-10 880001-01

880006-03 886001-01 886006-01

GENERAL NOTES

- 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 JULLIE. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMEREN ILLINOIS -- GAS & ELECTRIC (AERIAL AND BURIED)
 - * AT&T ILLINOIS -- COMMUNICATIONS (AERIAL AND BURIED)
 - * CHARTER COMMUNICATIONS, INC -- CABLE TV (AERIAL AND BURIED)
- * CITY OF GRANITE CITY -- SANITARY SEWER (BURIED) * ILLINOIS AMERICAN WATER COMPANY -- WATER (BURIED)
- * BUCKEYE PARTNERS L.P. -- PIPELINE (BURIED)
- * LEVEL (3) COMMUNICATIONS, LLC -- COMMUNICATIONS (BURIED)
 * MADISON COUNTY SPECIAL SERVICE AREA #1 -- SANITARY SEWER (BURIED)
- * TRI-CITY REGIONAL PORT DISTRICT -- WATER & SANITARY SEWER (BURIED)

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.

- THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS WATER AND SEWER MAINS, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE
- THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
- ALL LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES WHICH OBSTRUCT THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO FINAL ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICES OF THE

GENERAL NOTES (CONT.)

- 7. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- 8. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
- ALL TRAFFIC CONTROL DEVICES AS HEREIN SPECIFIED AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS DEEMED NECESSARY BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE CONTRACT TRAFFIC CONTROL AND PROTECTION PAY ITEMS. ADDITIONAL SIGNS AS DEEMED NECESSARY BY THE ENGINEER SHALL BE PAID PER ARTICLE 109.04 AND NOT INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.
- STATE R.O.W. ALONG IL 3 IS LIMITED. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO RESTRICT HIS OPERATIONS BEHIND THE EXISTING SIDEWALK TO STAY WITHIN CLOSE PROXIMITY TO THE CONSTRUCTION LIMITS.
- 11. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM ISTRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS, CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- 12. THE DISTRICT LAND ACQUISITION SECTION SHALL BE CONTACTED IF DIFFERENCES ARE IDENTIFIED BETWEEN ANY PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE ENGINEERING PLAN SHEETS AS COMPARED TO THE SAME PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE PLAT OF HIGHWAYS, QUESTIONS OR CONCERNS REGARDING THESE ITEMS SHOULD BE DIRECTED TO CLINT MARSHALL AT (618) 346-3124.
- 13. ALL EXISTING AND PROPOSED RIGHT -OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- 14. ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES-SURVEYING"
- 15. THE RIGHT-OF-WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SHALL BE STAKED PRIOR TO ANY THE RIGHT-OF-WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SHALL BE STAKED PRIOR TO ANY CONSTRUCTION OPERATIONS, STAKES SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM EACH OTHER AND ARE SUFFICIENTLY SPACED TO DETERMINE THE LOCATION OF THE RIGHT-OF-WAY OR EASEMENT IN ANY LOCATION. THE RIGHT-OF-WAY SHALL BE STAKED BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES-SURVEYING". THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CONSTRUCTION LAYOUT.

COMMITMENTS: NONE

USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/17/2019	DATE -	REVISED -

SCALE:

INDEX OF S	SHEETS,	HIGHW	AY STA	NDARDS	,	F.A.P RTE	SEC.	ΓΙΟΝ		COUNTY	TOTAL SHEETS	
GENERAL NOTES AND COMMITMENTS				2	103	SW-1		MADISON	22	2		
GENERAL NOTES AND COMMITMENTS							CONTRACT	NO. 76	5L91			
SHEET 1	OF 1	SHEETS	STA.		TO STA.			ILLINOIS	FED. A	ID PROJECT		

CONSTR. CODE 80% FED 20% STATE

				20% STATE ROADWAY
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANT I TY	URBAN
42000060	WELDED WIRE REINFORCEMENT	SQ YD	10	10
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	852	852
12 100100	TONIE CEMENT CONCRETE STOPEWER TIME!	34 11	032	
42400800	DETECTABLE WARNINGS	SQ FT	140	140
44000100	PAVEMENT REMOVAL	SQ YD	110	110
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	120	120
44000600	SIDEWALK REMOVAL	SQ FT	330	330
44003100	MEDIAN REMOVAL	SQ FT	930	930
44200990	CLASS B PATCHES, TYPE I,12 INCH	SQ YD	2	2
44200994	CLASS B PATCHES, TYPE II,12 INCH	SQ YD	21	21
44201299	DOWEL BARS 1 1/2"	EACH	36	36
44213200	SAW CUTS	FOOT	197	197
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1
60260100	INLETS TO BE ADJUSTED	EACH	1	1
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	96	96
SPECIAL	TY ITEM	,		

CONSTR. CODE 80% FED 20% STATE

				ROADWAY
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANTITY	URBAN
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	305	305
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	45	45
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	585	585
66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1	1
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	80	80
66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

				CONSTIT. CODE
				80% FED
				20% STATE
				ROADWAY
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANT I TY	URBAN
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	47	47
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	121	121
70300220	TEM GRANT TAVEMENT MARKING - LINE 4	1001	121	121
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	615	615
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	824	824
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	206	206
72000100	SIGN PANEL - TYPE 1	SQ FT	5	5
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	47	47
	STMBUL 3			
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	121	121
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	615	615
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	824	824
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	206	206
78200020	CURB REFLECTORS	EACH	61	61
SPECIALT	 Y ITEM			
	USER NAME = smithma DESIGNED REVISED) -		

				80% FED 20% STATE ROADWAY
CODE NO.	ITEM	UNIT	TOTAL QUANT I TY	0021 URBAN
80300100	LOCATING UNDERGROUND CABLE	FOOT	30	30
81028320	UNDERGROUND CONDUIT, PVC,1" DIA.	FOOT	98	98
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	10	10
81028350	UNDERGROUND CONDUIT, PVC,2" DIA.	FOOT	39	39
81028370	UNDERGROUND CONDUIT, PVC,3" DIA.	FOOT	15	15
81028400	UNDERGROUND CONDUIT, PVC,5" DIA.	FOOT	41	41
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	4
85704804	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES, IN TYPE IV CABINET	EACH	1	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 142C	FOOT	1337	1337
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 143C	FOOT	1396	1396
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 145C	FOOT	3194	3194
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 147C	FOOT	914	914
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 141 PAIR	FOOT	2656	2656
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.61C	FOOT	658	658

MODEL: Default

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

CONSTR. CODE

CONSTR. CODE

80% FED 20% STATE ROADWAY CODE TOTAL 0021 NO. **I TEM** UNIT QUANTITY URBAN *87502680 TRAFFIC SIGNAL POST, ALUMINUM 14 FT. EACH 4 4 * 87600100 PEDESTRIAN PUSH-BUTTON POST, TYPE I EACH 2 *87800100 CONCRETE FOUNDATION, TYPE A 12 SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED ***** 88040230 EACH 2 SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED ***** 88040250 2 * 88102810 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED EACH 6 * 88500100 INDUCTIVE LOOP DETECTOR EACH 16 16 * 88600100 DETECTOR LOOP, TYPE I FOOT 2871 2871 * 88800100 | PEDESTRIAN PUSH-BUTTON EACH 6 * 89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 * 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 7400 7400 * 89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT 1158 FOOT 1158 * 89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 5 5 * 89502376 REBUILD EXISTING HANDHOLE EACH 1 1 * SPECIALTY ITEM

			l.	
				80% FED
		,		20% STATE
				ROADWAY
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANT I TY	URBAN
89502380	REMOVE EXISTING HANDHOLE	EACH	4	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	4
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1734	1734
X6660445	RIGHT OF WAY AND PROPERTY CORNERS	EACH	2	2
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1734	1734
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	329	329
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

CONSTR. CODE

NAME: pw:\\planroo

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTR. CODE

		F.A.P. RTE.	SECTION	COUNTY	TOTAL	
	SUMMARY OF QUANTITIES	2	103SW-1	MADISON	22	5
				CONTRACT	NO. 76	5L91
SCALE:	SHEET 3 OF 3 SHEETS STA. TO STA		ILLINOIS FED. AI	D PROJECT		

	SIDEWALK & MEDIAN SCHEDULE													
LOCATION	QUADRANT	PCC SIDEWALK 4 INCH	DETECTABLE WARNINGS	PAVEMENT REMOVAL	COMBINATION CURB & GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	DOWEL BARS 1-1/2 INCH				CONCRETE MEDIAN SURFACE, 4 INCH	CURB REFLECTORS	
									TYPE B-6.06	TYPE B-6.24	TYPE B-9.12			
		SQ FT	SQ FT	SQ YD	FOOT	SQ FT	SQ FT	EACH	FOOT	FOOT	FOOT	SQ FT	EACH	
	SWQ	140	10		46			2		46				
	SWQ-ISLAND	145	20	38			210		28	55		168	15	
	WEST MEDIAN						72	2			7	5	3	
	NWQ	127	10		24	110		2		24				
IL ROUTE 3 @	NWQ-ISLAND	100	30	32			170		29	51		165	15	
NIEDRINGHAUS	NEQ-ISLAND	90	30	15			220		19	41		80	11	
	NEQ	125	10		30	140		2		30				
	EAST MEDIAN				3		160	2			38	45	5	
	SEQ-ISLAND	50	20	25			98		20	41		122	12	
	SEQ	75	10		17	80		2		17				
	TOTALS	852	140	110	120	330	930	12	96	305	45	585	61	

	PORTLAND	CEMENT C	CONCRETE	PATCHING SCI	HEDULE	
LOCATION	QUADRANT	CLASS B PATCHES 12 INCH		WELDED WIRE REINFORCEMENT	SAW CUTS	DOWEL BARS 1-1/2 INCH
		TYPE I	TYPE II			
		SQ YD	SQ YD	SQ YD	FOOT	EACH
	SWQ					
	SWQ-ISLAND		8*	8*	66	6
	WEST MEDIAN		5*		48	9
	NWQ					
IL ROUTE 3 @	NWQ-ISLAND	2*		2*	34	1
NIEDRINGHAUS	NEQ-ISLAND					
	NEQ					
	EAST MEDIAN		8		49	8
	SEQ-ISLAND					
	SEQ					
	TOTALS	2	21	10	197	24

^{*} ACTUAL THICKNESS MAY BE LESS THAN 12 INCHES

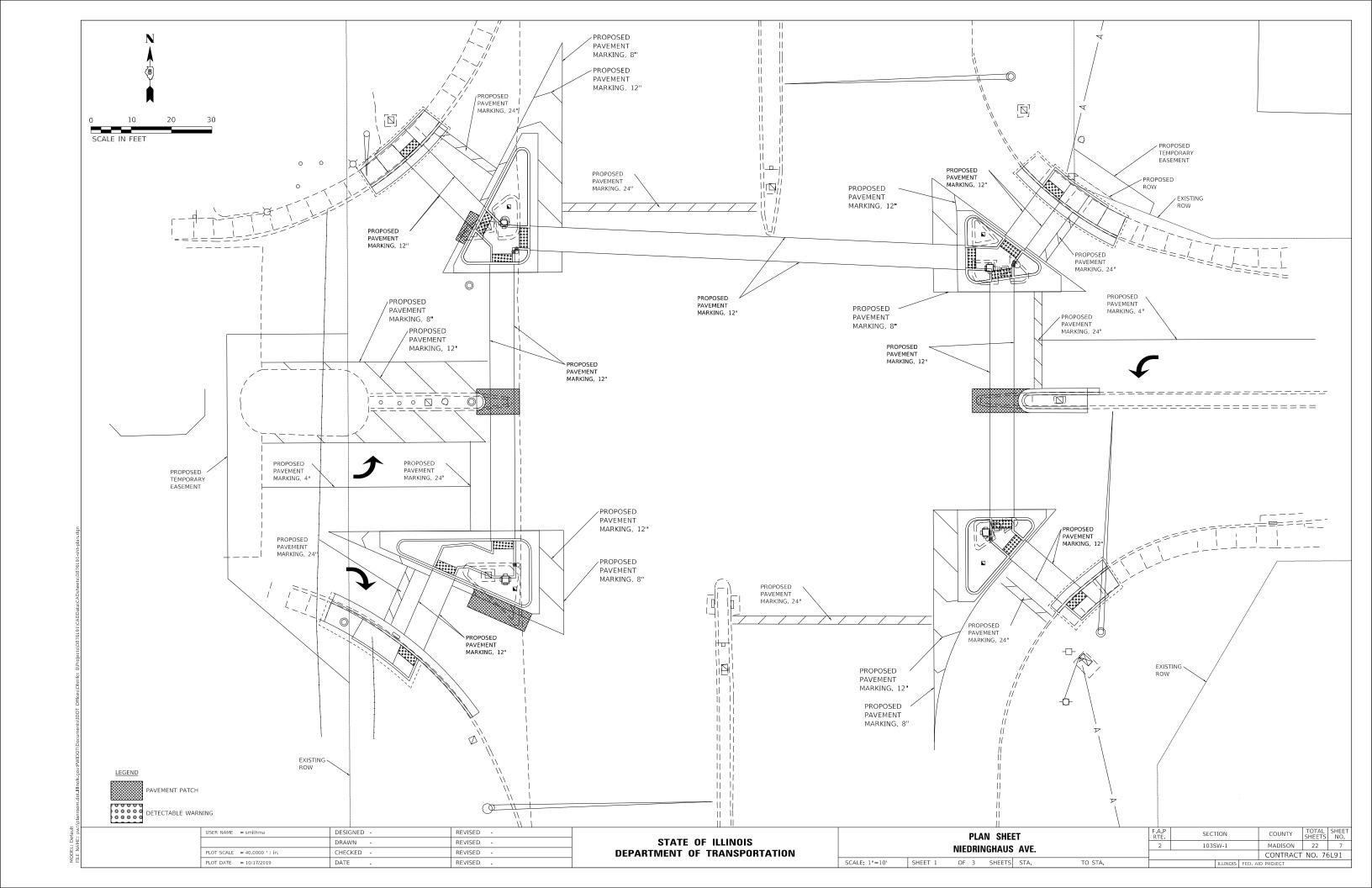
SIGN SCHEDULE									
LOCATION	SIGN	SIGN PANEL - TYPE 1							
	NUMBER OF SIGNS	SQ FT/SIGN R10-3B 9 IN X 12 IN	SQ FT						
IL ROUTE 3 @ NIEDRINGHAUS	6	0.75	5						
TOTALS			5						

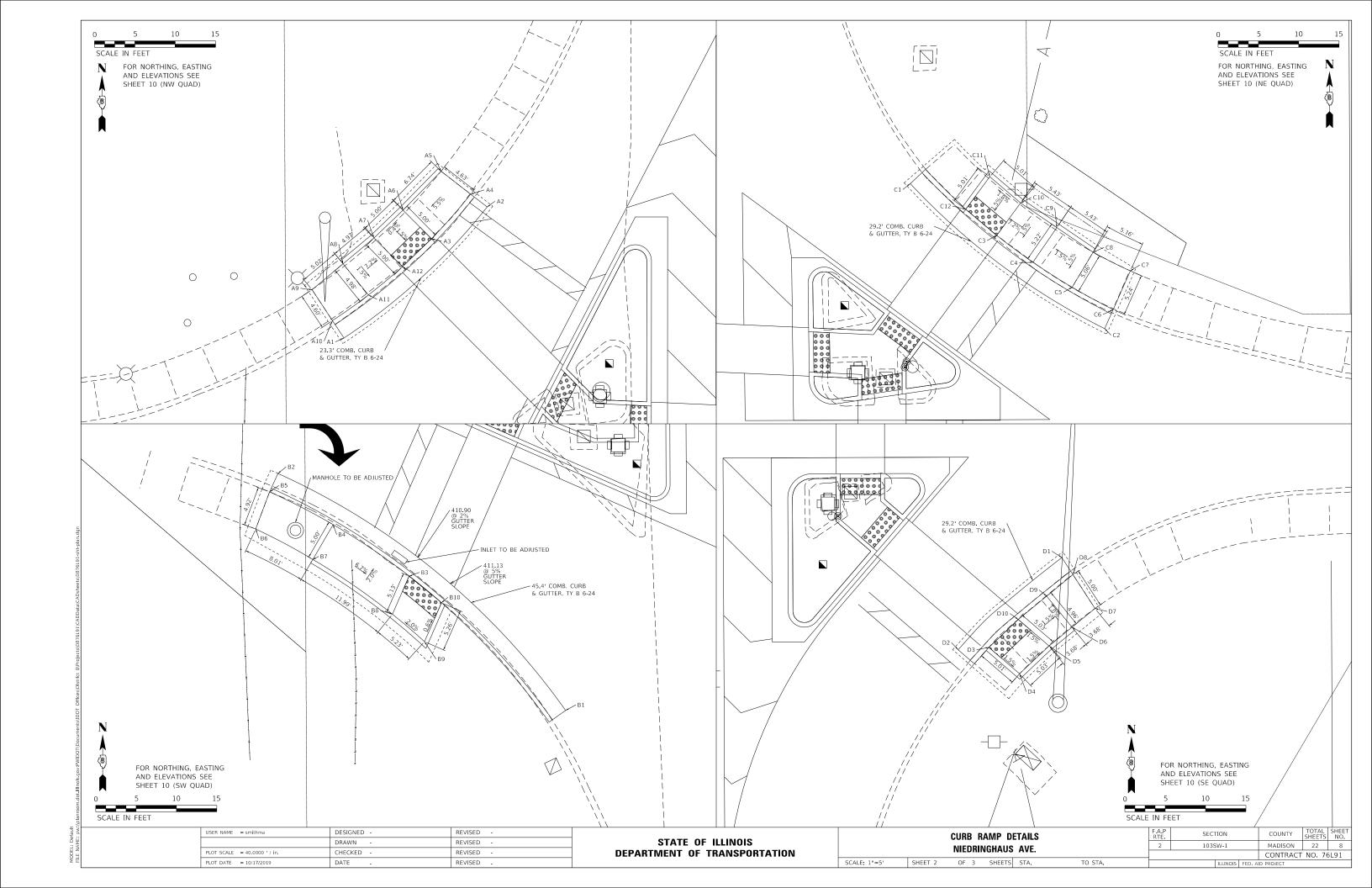
			PAVEM	IENT MAI	RKING 9	SCHEDULE			
LOCATION	AND TEMPORARY PAVEMENT MARKING				PAVEMENT MARKING REMOVAL WATER BLASTING	TEMPORARY PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING CURB		
		LINE 4"	LINE 8"	LINE 12"	LINE 24"	LETTERS & SYMBOLS			
		FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ FT	FOOT
	SWQ			38	17		72	72	
	SWQ-ISLAND		135	29			119	119	83
	W. NIED. AVE.	52	114	218	22	31.2	387	387	7
	NWQ			46	16		78	78	
II DOUTE 3 @	NWQ-ISLAND		133	45			134	134	80
IL ROUTE 3 @ NIEDRINGHAUS	N. IL 3			216	48		312	312	
NTEDITINGHAUS	NEQ-ISLAND		95	13			77	77	60
	NEQ			30	12		54	54	
	E. NIED. AVE.	69		117	24	15.6	203	203	38
	SEQ-ISLAND		138	37			129	129	61
	SEQ			35	17		69	69	
	S. IL 3				50		100	100	
	TOTALS	121	615	824	206	47	1734	1734	329

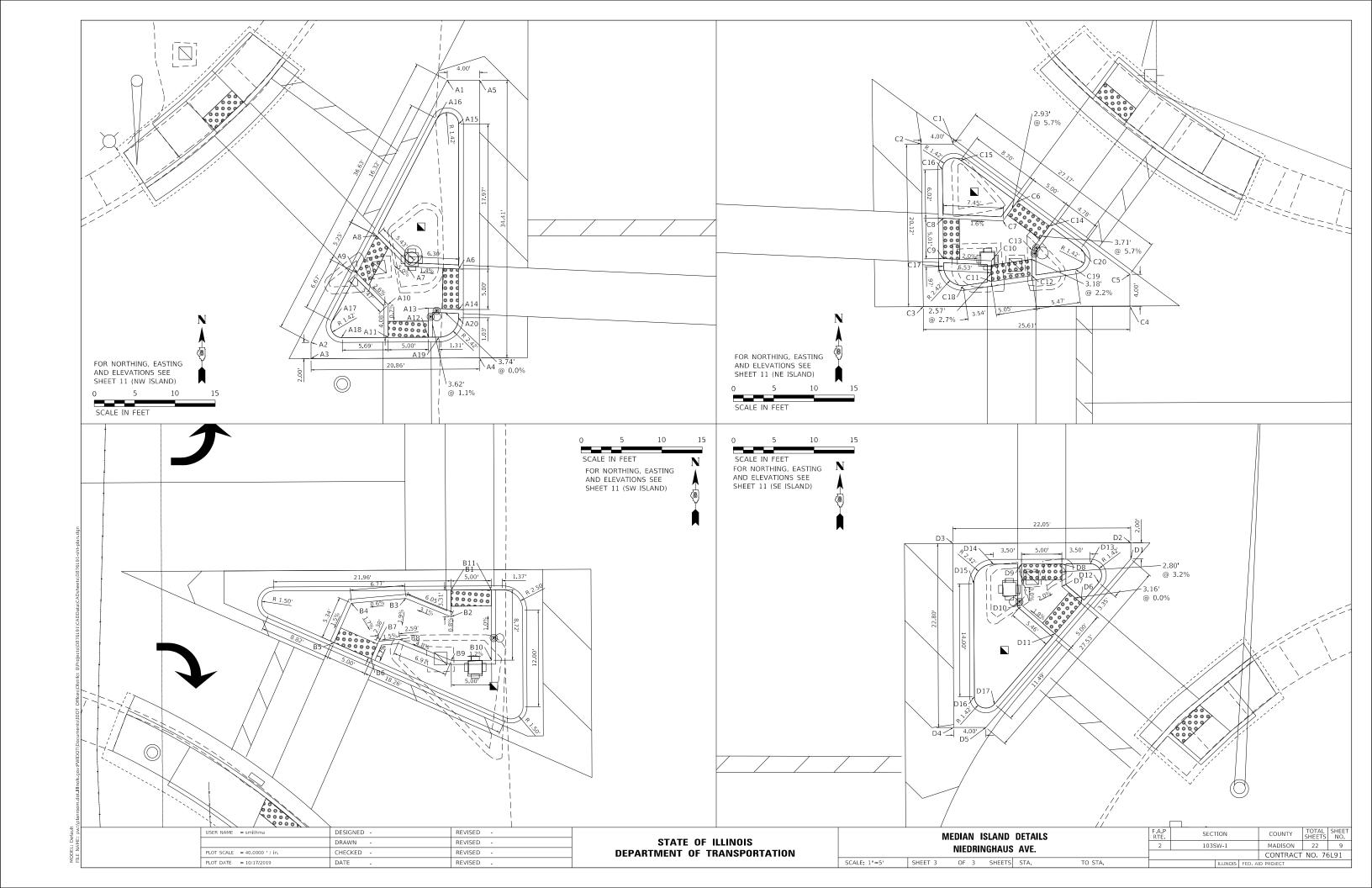
USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

					F.A.P. RTE	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.		
	SCHEDULE OF QUANTITIES			2	1039	SW-1		MADISON	22	6			
					_				CONTRACT	NO. 76	5L91		
	SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		







* * ME =	MATCH	EXISTING
----------	-------	----------

IL	3 & NIEDRIN	IGHAUS AVE (SW QUAD)
POINT	NORTHING	EASTING	ELEVATION
C1	740882.2043	296402.4646	
C2	740911.6525	296366.8122	
С3	740898.8300	296383.0646	410.90
C4	740905.2282	296373.6496	411.70
C5	740909.2843	296365.7826	ME
C6	740904.6810	296364.0590	ME
C7	740900.9081	296371.1323	411.80
C8	740894.1272	296381.0069	411.00
С9	740890.7272	296384.9769	411.10
C10	740895.5498	296387.0870	411.07

^{**}ME = MATCH EXISTING

ΙL	3 & NIEDRIN	IGHAUS AVE (NE QUAD)
POINT	NORTHING	EASTING	ELEVATION
В1	741015.6898	296535.5490	
В2	740997.7286	296559.6352	
В3	741009.2816	296546.2539	410.59
В4	741005.9526	296550.7450	410.99
B5	741002.8488	296555.6064	411.07
В6	741000.0908	296550.6861	ME
В7	741004.8803	296562.8170	ME
В8	741007.1899	296558.2001	411.15
В9	741010.2446	296553.7079	411.07
B10	741013.2992	296549.2156	410.67
B11	741016.5491	296545.3997	410.58
B12	741012.5146	296542.4254	410.50

**ME = MATCH EXISTING

ΙL	3 & NIEDRIN	IGHAUS AVE (SE QUAD)
POINT	NORTHING	EASTING	ELEVATION
D1	740919.9966	296557.0235	
D2	740908.5730	296544.1667	
D3	740908.8604	296547.9817	412.14
D4	740905.5948	296551.7805	412.08
D5	740909.0466	296555.4351	412.00
D6	740911.3682	296558.2854	411.94
D7	740913.6897	296561.1357	ME
D8	740917.8793	296558.4040	ME
D9	740915.2083	296555.1415	411.85
D10	740912.3258	296551.6206	411.92

**ME = MATCH EXISTING

USER NAME = smithma	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/18/2019	DATE -	REVISED -	

IL:	3 & NIEDRINGHAUS AVE (NW ISLAND)	
POINT	NORTHING EASTING ELEVATION	
A1	741025.6058296413.0494	
A2	740993.0982296396.1697	
А3	740991.0981 296396.1697	
A4	740991.1986 296417.0266	
A5	741025.6058296417.0494	
А6	741002.2046 296414.4509 411.37	
Α7	741002.5178 296408.4874 411.46	
A8	741006.3419 296404.2669 411.19	
А9	741001.6685 296401.8835 411.32	
A10	740997.8034296405.7072411.46	
A11	740993.7272296405.7269 411.43	
A12	740993.7513296410.7268 411.42	
A13	740997.3673296410.7094 411.46	
A14	740997.1997296414.4476 411.46	
A15	741020.1730296414.4628	
A16	741020.8269296411.7882	
A17	740995.7698296398.7773	
A18	740993.6998296400.0417	
A19	740993.7576296412.0415	
A20	740996.1730296414.4469	

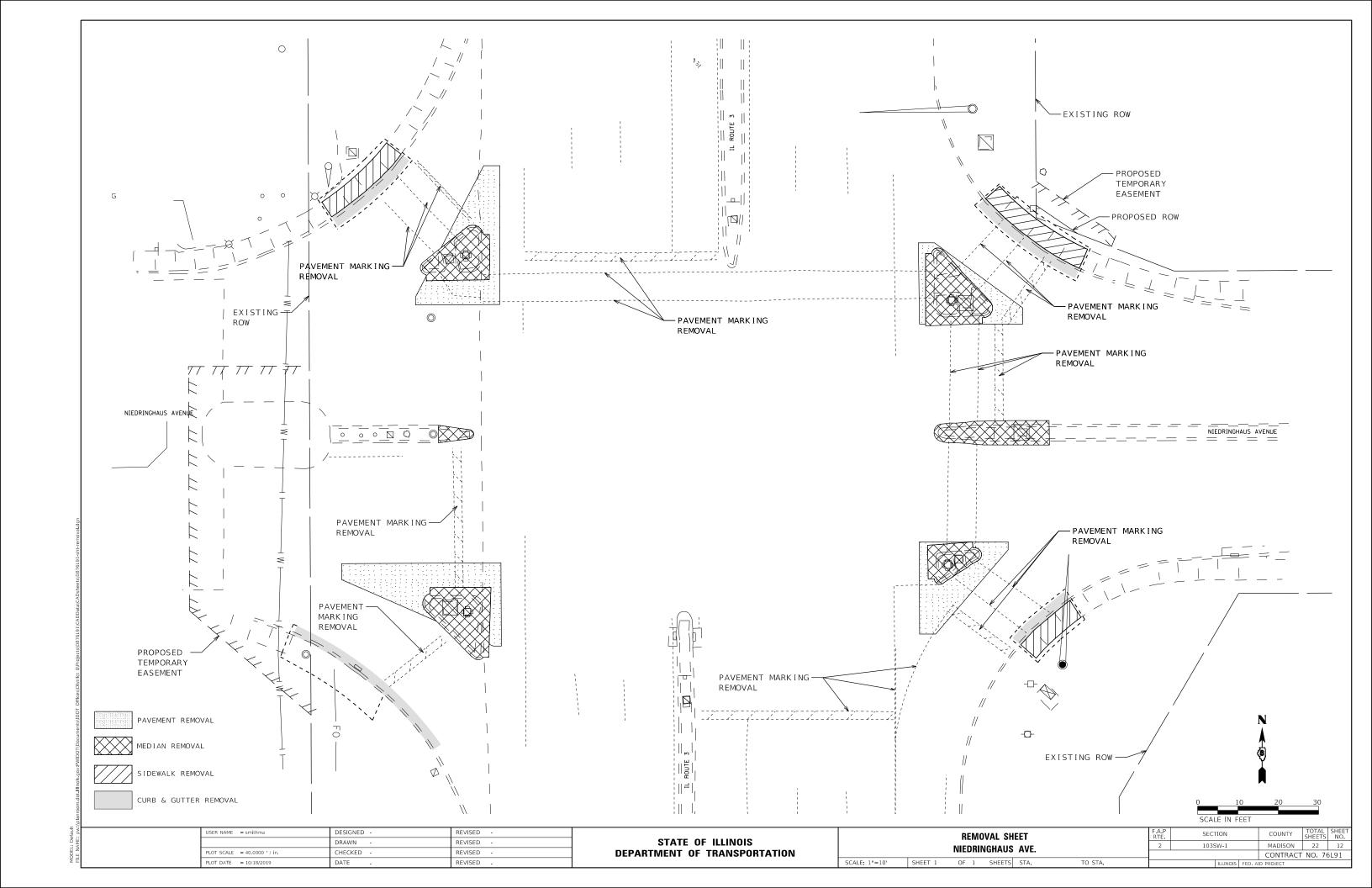
IL:	3 & NIEDRINGHAUS AVE (NE ISLAND)
POINT	NORTHING EASTING ELEVATION
B1	741006.4908296524.8289
В2	741006.4908296520.8285
В3	740986.3690296521.0879
В4	740986.3690296546.6979
В5	740990.3690296546.6979
В6	740999.3355 296532.7098 411.02
В7	740996.9800 296530.9733 411.22
В8	740997.3137 296523.5300 411.34
В9	740992.3058 296523.5946 411.43
B10	740992.0396 296529.5319 411.31
B11	740989.4698 296529.5322 411.24
B12	740990.2009 296534.5321 411.14
B13	740993.3807 296534.5317 411.21
B14	740996.3686 296536.7344 411.00
B15	741004.4957 296525.7101
B16	741003.3369296523.4524
B17	740991.3379296523.6070
B18	740988.9459296525.9494
B19	740990.9921296539.9427
B20	740993.5347 296540.5785

IL 3 & NIEDRINGHAUS AVE (SW ISLAND)					
		,	, , , , , , , , , , , , , , , , , , ,		
POINT	NORTHING	EASTING	ELEVATION		
C1	740924.6446	296405.9846	412.41		
C2	740921.3371	296405.9996	412.43		
С3	740923.6185	296400.3911	412.24		
C4	740923.0241	296393.6506	412.20		
C5	740918.1304	296391.5094	412.12		
C6	740916.1261	296396.0901	412.06		
C7	740918.3038	296397.0429	412.10		
C8	740918.5317	296399.6266	412.14		
С9	740915.9293	296406.0242	412.47		
C10	740915.9520	296411.0241	412.53		
C11	740924.6887	296410.9845	412.44		
C12	740924.5389	296384.0258			
C13	740921.6647	296383.4318			
C14	740908.8058	296412.8206			
C15	740910.1868	296414.9218			
C16	740922.1867	296414.8675			
C17	740924.6753	296412.3555			

IL	3 & NIEDRING	GHAUS AVE (S	E ISLAND)
POINT	NORTHING	EASTING	ELEVATION
D1	740930.4249	296543.0767	
D2	740932.4249	296543.0767	
D3	740932.3522	296521.0268	
D4	740909.5496	296521.1312	
D5	740909.5496	296525.1313	
D6	740924.9467	296536.9392	411.96
D7	740927.0089	296534.5402	411.96
D8	740929.8138	296534.5399	411.87
D9	740929.7973	296529.5399	412.06
D10	740924.7133	296529.5405	412.06
D11	740921.1551	296533.6797	412.16
D12	740927.4846	296539.1209	
D13	740929.8253	296538.0417	
D14	740929.7858	296526.0417	
D15	740927.3577	296523.6327	
D16	740913.3578	296523.6968	
D17	740912.4406	296526.1883	

USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

	NORTHING, EASTING AND ELEVATIONS						F.A.P RTE	SEC ⁻	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.	
							2	103SW-1		MADISON	22	11		
											CONTRACT	Γ NO. 70	6L91	
	SCALE: NTS	SHEET 2	OF 2	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	ID PROJECT			



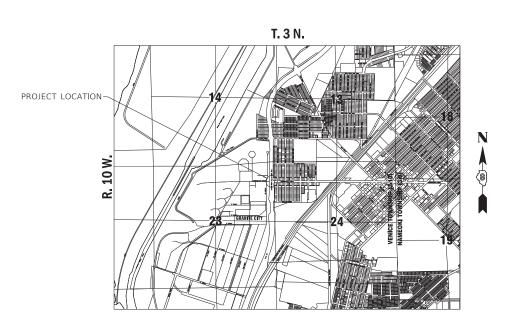
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

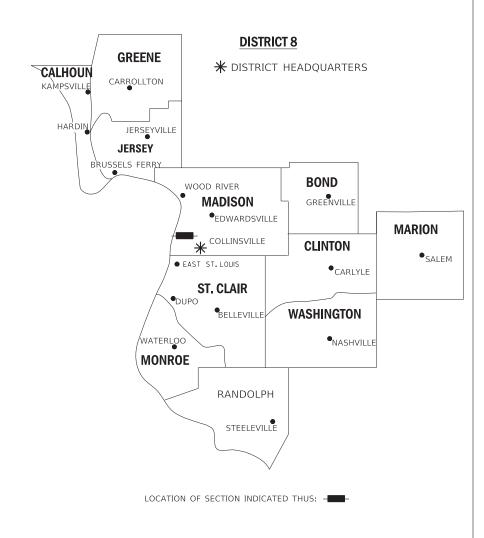
SPACE RESERVED FOR RECORDING OFFICER

PLAT OF HIGHWAYS

PRELIMINARY

FAP 2 (IL ROUTE 3) **SECTION 103SW-1 MADISON COUNTY** JOB NO. R-98-019-17





PREPARED BY:



SHEET INDEX

DESCRIPTION

PLAT OF HIGHWAYS (NE QUADRANT NIEDRINGHAUS)

PLAT OF HIGHWAYS (SW QUADRANT NIEDRINGHAUS)

STATION to STATION

N/A



PHILIP H. HUSKEY, PLS NO. 35-2659 LICENSE EXPIRATION DATE: 11/30/2020 SHEET 1 OF 5

ILLINOIS DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

						- 1
F.A.P. RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
2	103SW-1		ſ	MADISON	22	13
			CONTRAC	T NO. 7	76L91	
FED. R	OAD DIST. NO.	ILLINOI	S	FED. AID PROJECT		

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL GULFBOX	0	DRAINAGE FLOW LINE	Fi
TRAFFIC SIGNAL HANDHOLE		RIP RAP	1000000000
TRAFFIC SIGNAL SIGNAL POST	0	HEADWALL	-
TRAFFIC SIGNAL STEEL MAST ARM	0	CULVERT END SECTION	⊲
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON	•	DRAINAGE MANHOLE	0
TRAFFIC SIGNAL WOODEN POLE	8	INLET	0
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY	≪	ROADWAY DITCH FLOW	- ∼>
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET	D	VEGETATION LINE	~~~
TRAFFIC SIGNAL JUNCTION BOX	•	STUMP	M.
TRAFFIC SIGNAL CONTROLLER	\boxtimes	SHRUB	0
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE	H	EVERGREEN TREE	ø
RAILROAD CANTILEVER MAST ARM	X OX X X	DECIDUOUS TREE	⊙
RAILROAD CROSSBUCK	Þ	WOODS/BUSH LINE	
RAILROAD TRACK		TRAFFIC SIGN	þ
RAILROAD TRACK (ABANDONED)	==:	GUARDRAIL POST	0
RAILROAD CROSSGATE	⊻0 ≅>	GUARDRAIL	0 0 0 0
RAILROAD CONTROL BOX	⊠	FIELD LINE	E
RAILROAD FLASHING SIGNAL	X⊕X	LEVEE/NOISE BARRIER	
UTILITY TELEPHONE SPLICE BOX	⊞	FENCE	
UTILITY POWER POLE	-0-	MAIL BOX	P
UTILITY TRAFFIC SIGNAL	Ф	ADVERTISING SIGN	þ
UTILITY LIGHT POLE	¤	MARSH	يتبلند
UTILITY FIRE HYDRANT	Ø	LIGHTING HANDHOLE	
UTILITY MANHOLE	0	LIGHTING POWER POLE	-0-
UTILITY TELEPHONE POLE	-0-	LIGHTING JUNCTION BOX	0
UTILITY GUY ANCHOR	←	LIGHTING HEAVYDUTY HANDHOLE	H
UTILITY PIPELINE WARNING SIGN	þ	LIGHTING CONTROLLER	\boxtimes
UTILITY HANDHOLE		LIGHTING PULL POINT	(P)
UTILITY SPLICE BOX	B	HIGHWAY LIGHTING ELECTRICAL GROUND	→
UTILITY JUNCTION BOX	0	HIGHWAY LIGHTING SINGLE UNIT	\bigcirc
UTILITY HEAVY DUTY HANDHOLE	H	HIGHWAY LIGHTING DOUBLE UNIT	\bigcirc
UTILITY DOUBLE HANDHOLE		EXISTING CONCRETE BARRIER	000
UTILITY CONTROLLER	⊠	EXISTING CREEK OR DITCH	
UTILITY WATER METER	0	EXISTING EDGE OF PAVEMENT	







1 12 OUARTER 1 12 SECTION CORNERS	1 12 12	SECTION
-----------------------------------	---------	---------

	EXISTING CENTERLINE
	EXISTING RIGHT-OF-WAY LINE
	FORMER RIGHT-OF-WAY LINE
	EXISTING IDOT EASEMENT LINE
	EXISTING EASEMENT LINE
	BUILDING SETBACK LINE
– AC ———	EXISTING ACCESS CONTROL LIN
	EVICTING DIGHT OF WAY C

ROL LINE EXISTING RIGHT-OF-WAY & PROPOSED ACCESS CONTROL LINE ———— AC ———— PROPOSED ACCESS CONTROL LINE

----- PROPOSED RIGHT-OF-WAY LINE 77 77 77 77 77 77 77 PROPOSED TEMPORARY EASEMENT LINE — – – — SECTION LINE

— – – — OUARTER SECTION LINE — – — QUARTER QUARTER SECTION LINE PROPERTY LINE (TITLE) - - - - - - RECORDED PLAT/DEED LINE

> APL APPARENT PROPERTY LINE SAME OWNERSHIP 121.45 MEASURED DIMENSION RECORDED DIMENSION (121.45')

FOUND STONE FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE

NUMBER AT CORNER UNLESS OTHERWISE NOTED PERMANENT SURVEY MONUMENT,

I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)

SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED FOUND CUT CROSS SET CUT CROSS

■ STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS IN CULTIVATED AREA, A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
вк	BOOK
BLVD	BOULEVARD
Œ.	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
DOC	DOCUMENT
Е	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m²	SQUARE METERS
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NO	NUMBER
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
PL	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD

RIGHT-OF-WAY

RAILROAD SPIKE

STATE BOND ISSUE

RAILROAD

RIGHT

ROUTE

SOUTH

SOUTHEAST

SQUARE FEET

STATE ROUTE

SURVEY MARKER

U.S. GEOLOGICAL SURVEY

SOUTHWEST

TOWNSHIP TOWNSHIP ROAD

WEST

PHILIP H. HUSKEY, PLS NO. 35-2659

LICENSE EXPIRATION DATE: 11/30/2020

SECTION

STREET

STATION

ROW

RRS

RR

RT

RTE

SBI

SE

SEC

SR

ST

STA

SMK

SW

TR

PHILIP H. HUSKEY 35-2659

GRANITE CITY

USGS

SQ FT

PREPARED BY:

RECEIVED:07-15-19

SPACE RESERVED FOR RECORDING OFFICER

PROPOSED FEE SIMPLE ACQUISITION

PROPOSED PARCEL NUMBER LEGEND

8001001PE PROPOSED PERMANENT EASEMENT

8001001TE PROPOSED TEMPORARY EASEMENT

8001001AC PROPOSED ACCESS CONTROL LINE

PRELIMINARY

CURVE ABBREVIATIONS

POINT OF CURVATURE

POINT OF TANGENCY

RADIUS OF CURVE

LENGTH OF CURVE

CHORD BEARING

CHORD LENGTH

CENTRAL ANGLE

DEGREE OF CURVE

EXTERNAL ORDINATE

POINT OF INTERSECTION

POINT OF REVERSE CURVE

POINT OF COMPOUND CURVE

[8001001DED] PROPOSED DEDICATION

8001001

РТ

PRC

PCC

CB

D



555 West Central Rd, Suite 101 sional Design Firm License No. 184.003389 Hoffman Estates, IL 60192-1942

ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS

FAP ROUTE 2 (IL ROUTE 3)

SECTION 103SW-1 MADISON COUNTY JOB NO. R-98-019-17

SHEET 2 OF 5

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8

1102 EASTPORT PLAZA DRIVE

COLLINSVILLE, ILLINOIS 62234-6198

RTE.			SECTION			COUNTY	SHEETS	NO.
2	103SW-1				MADISON	22	14	
					CONTRAC	T NO. 7	76L91	
ED. F	ROAD I	DIST.	NO.	ILLINOIS	FED. AID PROJECT			Т

			IOIAL	HOLDI	ING AILLA G	COILO	INDLL
1	AREA	ACCORDING	TO THE	SURVEY	PERFORMED	BY THE	CONSULTANT.

3 AREA ACCORDING TO A RECORDED SUBDIVISION PLAT

4 AREA ACCORDING TO A PLAT OF SURVEY

6 AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7 AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS

HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD

NO TOPOGRAPHIC DRAWING FILE WAS PROVIDED TO JUNEAU. THE TOPO INSERTED INTO THIS PROJECT.

TOTAL HOLDING AREA SOURCE TABLE

1	AREA	ACCORD	ING T	O THE	SURVEY	PERFORMED	BY	THE	CONSULTA	TN.
2	ARFA	LISTED I	N RFO	CORDE	DEFD					

AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN THE FOLLOWING ITEMS ON __/_/_:

WAS COLLECTED BY JUNEAU UNDER PROJECT PTB 181 W.O. #2 AND

BASIS OF COORDINATE & BEARING STATEMENT

THE COORDINATES AND BEARINGS FOR THIS SURVEY ARE BASED ON THE

THE CONTROL POINTS UTILIZED ON THIS PROJECT AND THEIR ASSOCIATED

COORDINATES, AS PROVIDED BY THE DEPARTMENT, ARE LISTED IN THE

THIS "GROUND SURFACE COORDINATE SYSTEM" WAS DERIVED FROM THE

DEPARTMENT'S INITIAL CONTROL SURVEY WHICH ESTABLISHED STATE PLANE

COORDINATE SYSTEM (SPCS) VALUES FOR EACH OF THE CONTROL POINTS

BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE,

1. ADJUSTED THE STATE PLANE COORDINATES TO A GROUND COORDINATE

PROJECT SURVEY CONTROL DATA

GROUND SURFACE COORDINATE SYSTEM

COORDINATES PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION JOB NO. D-98-050-17 / CONTRACT NO. 76L91

POINT NO. NORTH (FEET) EAST (FEET) DESCRIPTION

43 740882.2869 296385.0407 REROD

44 740887.8170 296538.9796 REROD

144 741023.2300 296538.0900 REROD

SYSTEM BY DIVIDING THE SPCS VALUES BY THE COMBINATION FACTOR

2. SUBTRACTED 2,000,000 FROM THE ADJUSTED EASTING VALUES TO

DISTINGUISH A UNIQUE DIFFERENCE BETWEEN THE GROUND SYSTEM

UTILIZED FOR THIS PROJECT WHICH IS 0.9999XXXXXXXXX.

NAD83 (insert epoch). TO CREATE THE PROJECT "GROUND SURFACE

COORDINATE SYSTEM", THE DEPARTMENT MADE THE FOLLOWNG TWO

PROJECT SURVEY CONTROL DATA THAT THE ILLINOIS DEPARTMENT OF

TRANSPORTATION (DEPARTMENT) ESTABLISHED AND PROVIDED TO THE

SURVEYOR, WHICH IS A "GROUND SURFACE COORDINATE SYSTEM"

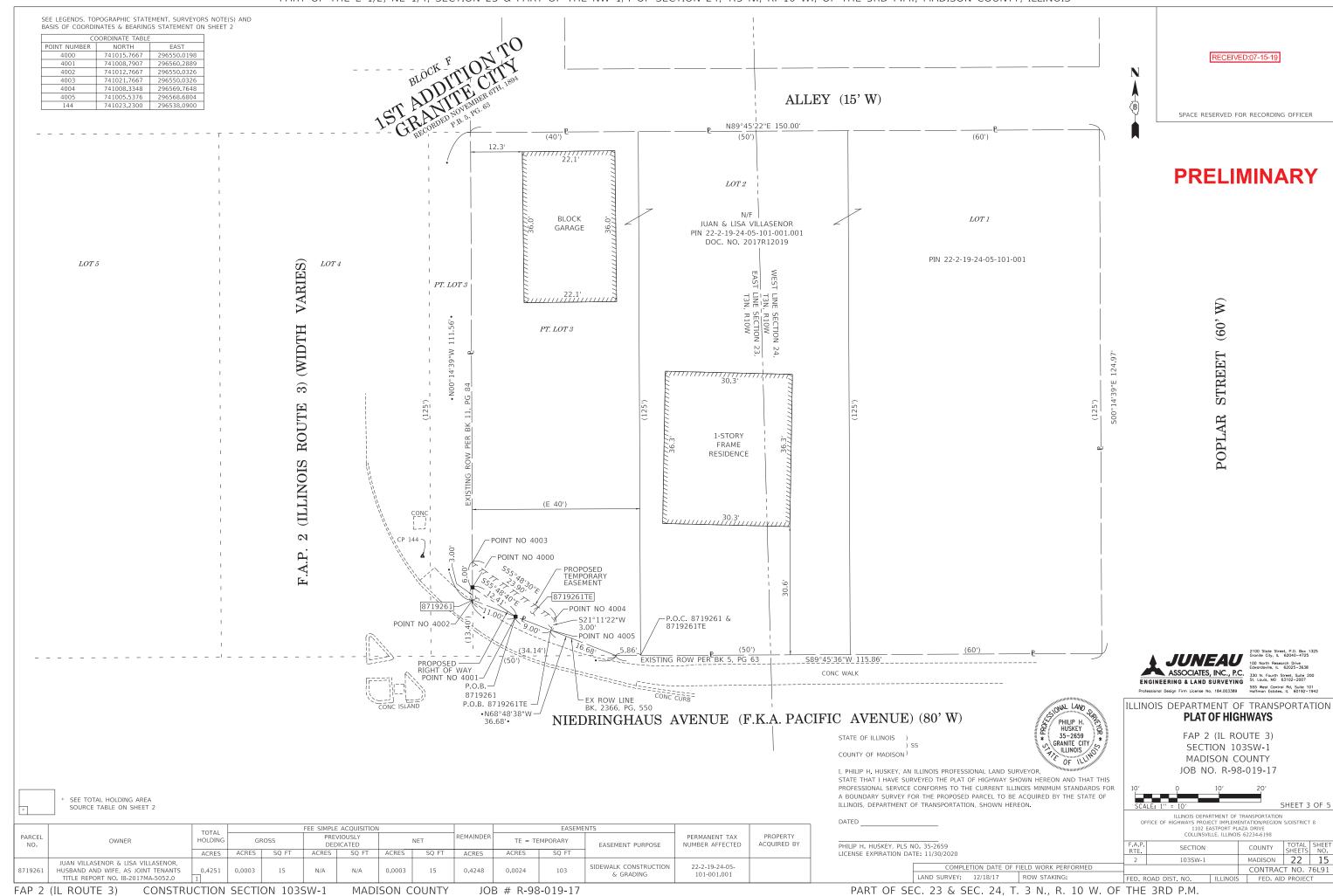
PREPARED SPECIFICALLY FOR THIS PROJECT.

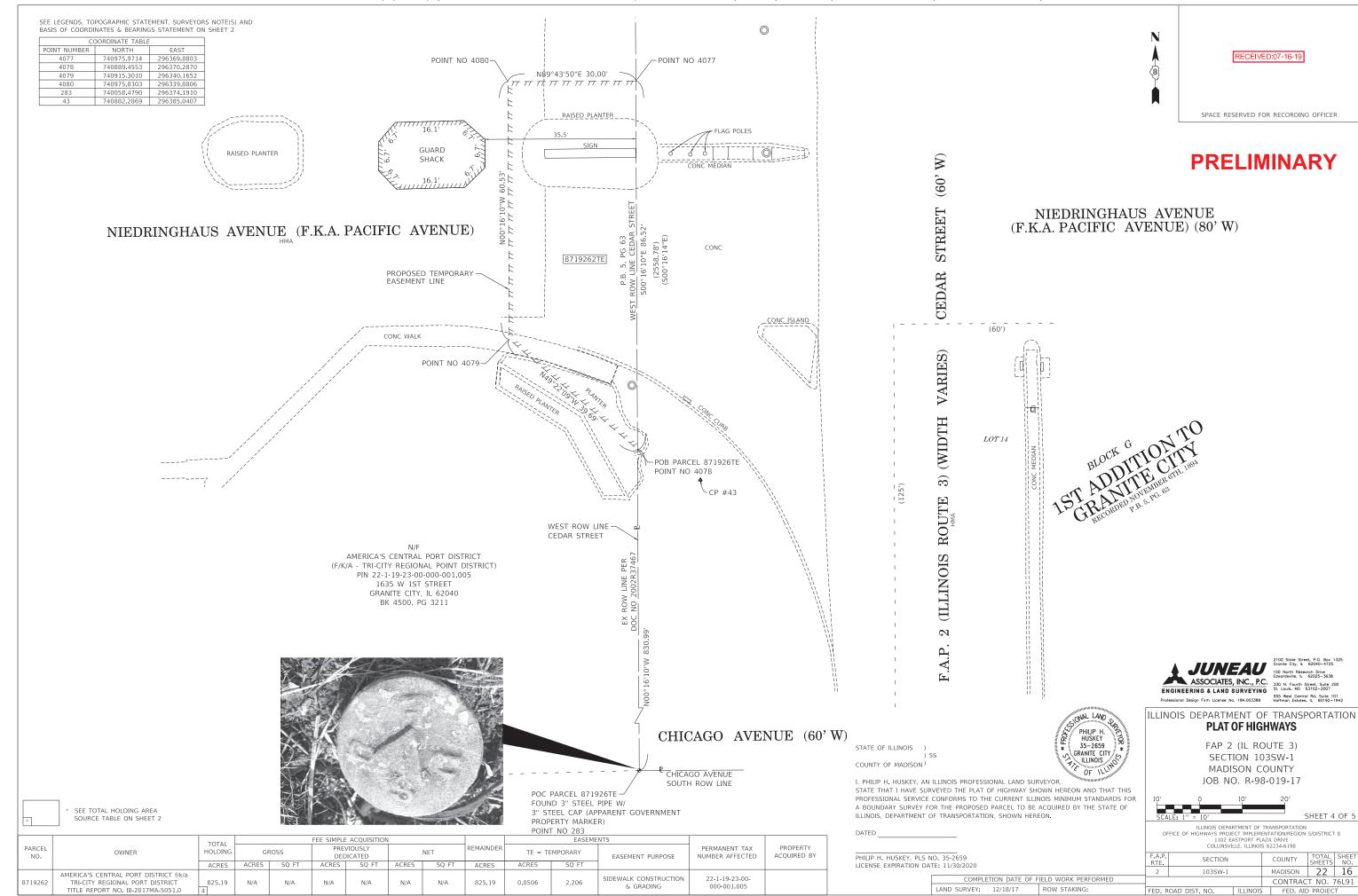
ADJUSTMENTS TO THE SPCS VALUES:

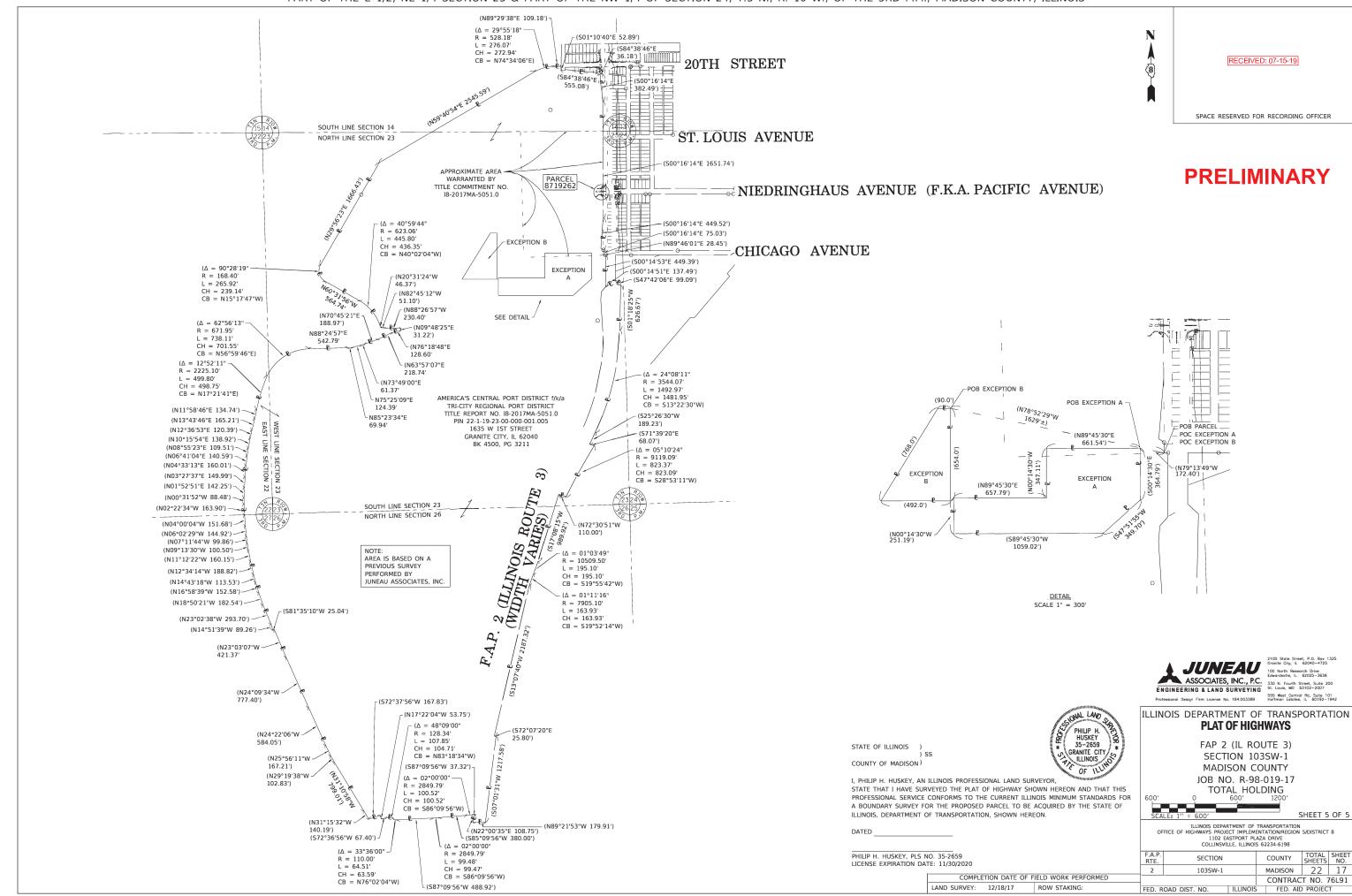
COORDINATES FROM THE SPCS COORDINATES.

TABLE BELOW.

FAP 2 (IL ROUTE 3)







TRAFFIC SIGNALS LEGEND

 EXISTING SIGNAL POST

EXISTING TRAFFIC SIGNAL MAST ARM

EXISTING DOUBLE HANDHOLE

EXISTING CONTROLLER

EXISTING SERVICE INSTALLATION

EXISTING DETECTOR LOOP

EXISTING SIGNAL HEAD, PEDESTRIAN

EXISTING PEDESTRIAN PUSHBUTTON DETECTOR

EXISTING UNDERGROUND CONDUIT

<u></u>

(0)

PROPOSED SIGNAL POST

PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED

PROPOSED HANDHOLE

PROPOSED DOUBLE HANDHOLE

PROPOSED DETECTOR LOOP

PROPOSED CONTROLLER

PROPOSED SERVICE INSTALLATION

PROPOSED PUSH BUTTON, PEDESTRIAN

PROPOSED SIGNAL HEAD, PEDESTRIAN

PROPOSED UNDERGROUND CONDUIT

CODE NO.		LINITT	QUANTITIES
	I LEM	UNIT	TOTAL
80300100	LOCATING UNDERGROUND CABLE	FOOT	30
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	98
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	10
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	39
\$102837¢	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	15
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	41
8 400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
85704864	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES, IN TYPE IV CABINET	EACH	1
8 7 3012 15	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1337
87801225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1396
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3194
87301/255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	914
8730 305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2656
8730/1900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	658
87592680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	4
876 \$ \$100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	2
878bq100	CONCRETE FOUNDATION, TYPE A	FOOT	12
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	6
88500100	INDUCTIVE LOOP DETECTOR	EACH	16
89502376	REBUILD EXISTING HANDHOLE	EACH	1
88600100	DETECTOR LOOP, TYPE I	FOOT	2871
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6
\$9502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7400
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1158
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5
89502380	REMOVE EXISTING HANDHOLE	EACH	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4

ELECTRICAL GENERAL NOTES

- 1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12"
 SECTIONS, MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM.
 ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL.
 ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- 2. BACKPLATES SHALL BE ABS PLASTIC.
- 3. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
- 4. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.

SCALE:

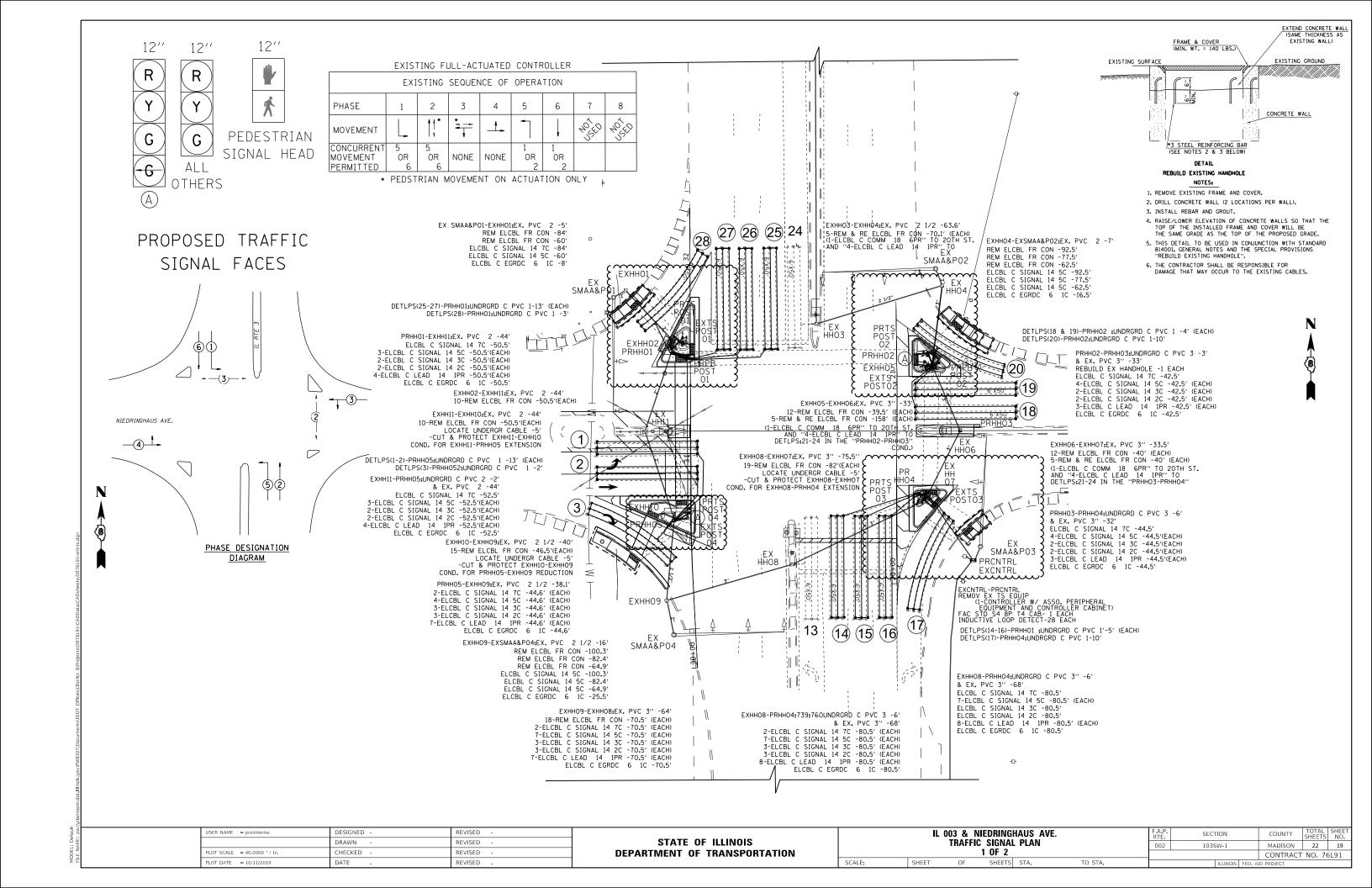
5. ALL TRAFFIC SIGNAL CABLES SHALL BE *14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON FORK TONGUE CONNECTORS.

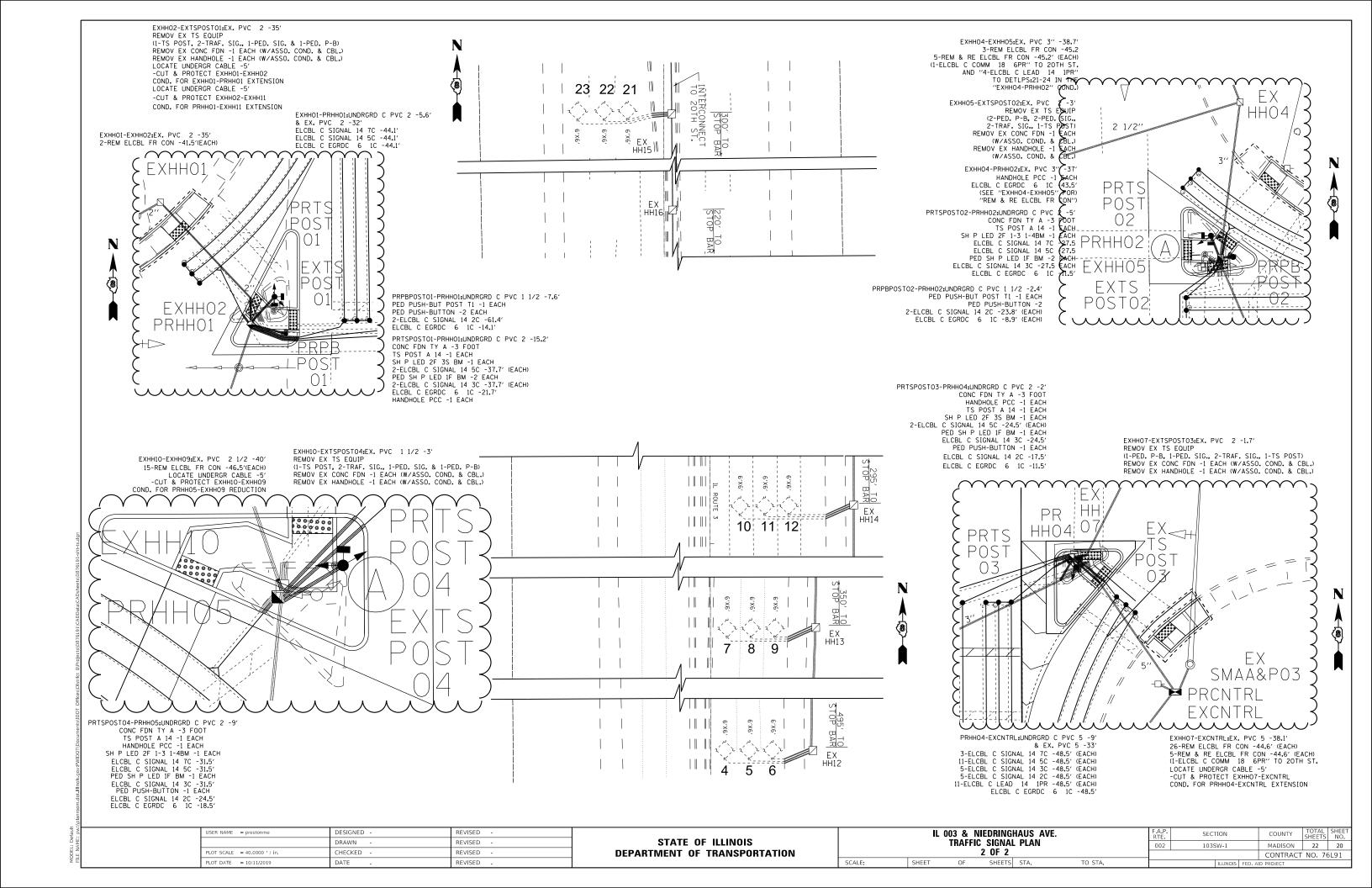
- 6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- 7. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.
- 8. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- 9. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

USER NAME = prestonme	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/11/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL					F.A.P. RTE				TOTAL SHEETS	SHEET NO.			
					002	103SW-1			MADISON	22	18		
	SCHEDULE OF QUANTITIES									CONTRACT	NO. 76	5L91	
	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D. AID PROJECT			





CABLE DIAGRAM LEGEND

PROPOSED ELECTRIC CABLE IN CONDUIT PROPOSED CABLE SPLICE

EXISTING ELECTRIC CABLE IN CONDUIT

EXISTING CABLE SPLICE

INDICATES NUMBER OF CONDUCTORS IN CABLE 2/C

TW SH TWISTED AND SHIELDED CABLE

INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 #6

CONDUCTOR

 \neg EXISTING SERVICE INSTALLATION

DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS									
FOR IL 003 & NIEDERINGHAUS									
L00P#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)				
1. EB LT CD	4	6' × 50'(Q)	3-6-3	874.60	2.99				
2. EB THRU CD	4	6' × 50'(Q)	3-6-3	844.74	2.92				
3. EB RT CD	4	6' × 50'(Q)	3-6-3	843.20	2.89				
4. NB CCO 1	1	6' × 6'	6	381.82	3.24				
5. NB CCO 2	2	6' × 6'	6	378.08	3.16				
6. NB CCO 3	2	6' × 6'	6	376.54	3.12				
7. NB CCO 4	2	6' × 6'	66	348.60	2.49				
8. NB CCO 5	2	6' x 6'	6	345.96	2.43				
9. NB CCO 6	2	6 × 6'	6	343.32	2.37				
10. NB CCO 7	2	6′ × 6′	þ	337.82	2.24				
11. NB CCO 8	2	6' × 6'	6	335.18	2.18				
12. NB CCO 9	2	6′ × 6′	6	332.32	2.12				
13. NB LT CD	5	6' × 50'(Q)	3-6-3	799.64	1.90				
14. NB THRU 1 CD	2	6' × 50'(Q)	3-6-3	806.68	2.06				
15. NB THRU 2 CD	2	6' × 50'(Q)	3-6-3	807.34	2.07				
16. NB THRU 3 CD	2	6' × 50'(Q)	3-6-3	801.84	1.95				
17. NB RT CD	2	6' × 50'(Q)	3-6-3	80206	1.95				
18. WB LT CD	3	6' × 50'(Q)	3-6-3	823.40	2.44				
19. WB THRU CD	3	6' × 50'(0)	3-6-3	818.12	2.32				
20. WB RT CD	3	6' × 50'(Q)	3-6-3	817.46	2.30				
21. SB CCO 1	6	6′ × 6′	8	367.32	3.12				
22. SB CCO 2	6	6' × 6'	6	378.96	3.18				
23. SB CCO 3	66	6' × 6'	6	382.04	3.25				
24. SB LT CD	1	6' × 50'(0)	3-6-3	904.80	4.29				
25. SB THRU 1 CD	6	6' × 50'(Q)	3-6-3	872.90	3.56				
26. SB THRU 2 CD	6	6' × 50'(0)	3-6-3	870.04	3.50				
27. SB THRU 3 CD	6	6' × 50'(Q)	3-6-3	870.04	3.50				
28. SB RT CD	6	6' × 50'(0)	3-6-3	865.86	3.40				

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

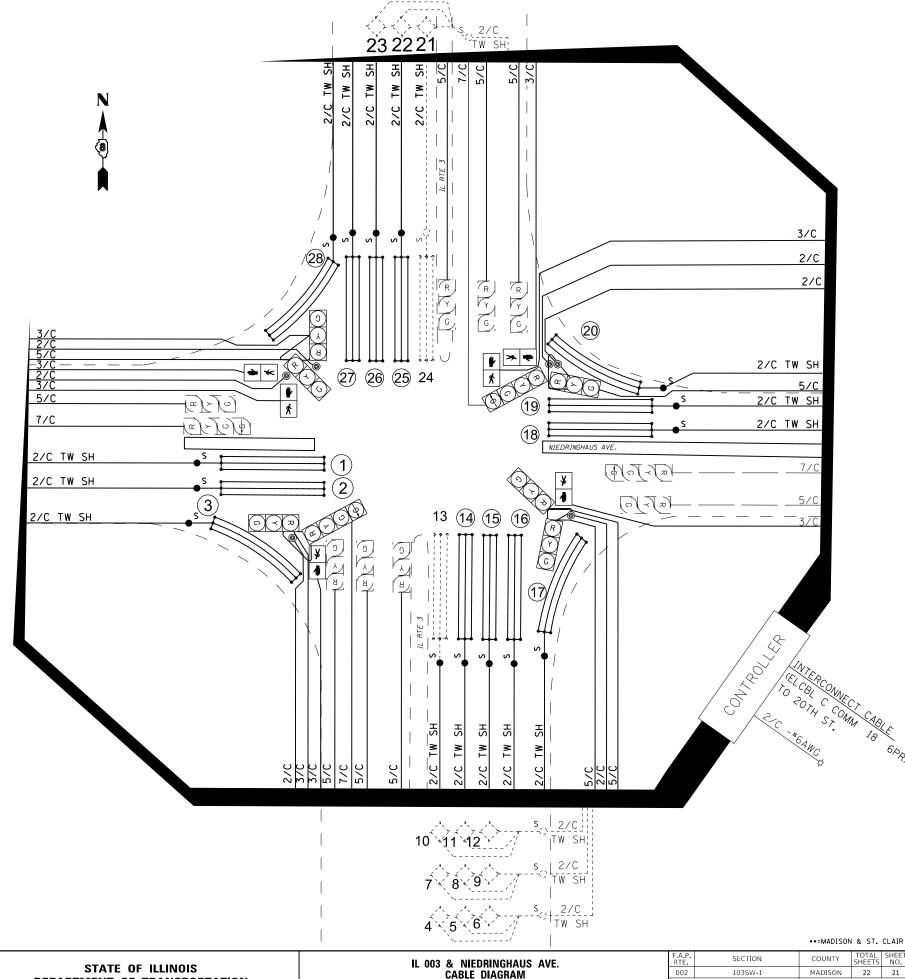
(Q)=QUADRAPOLE

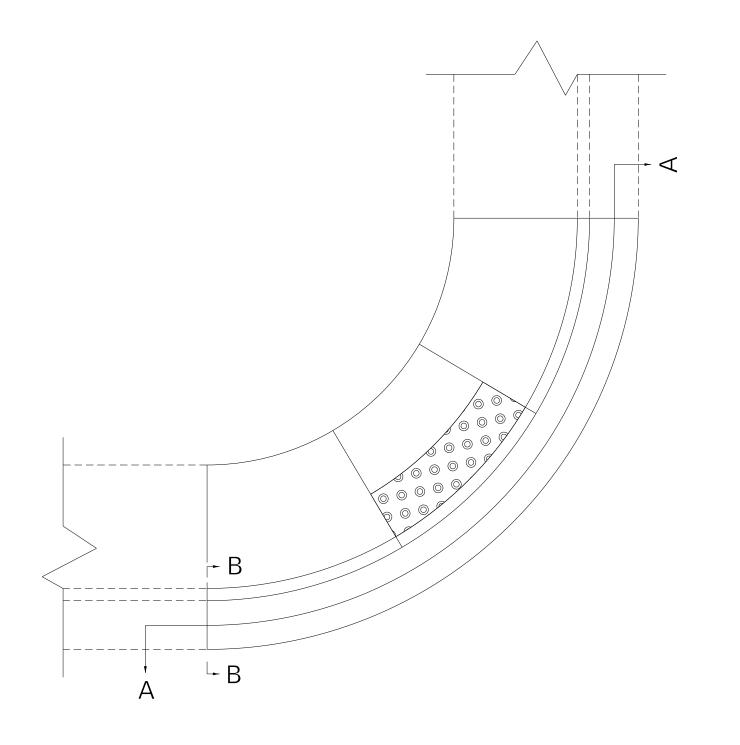
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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/11/2019	DATE -	REVISED -	
	0		

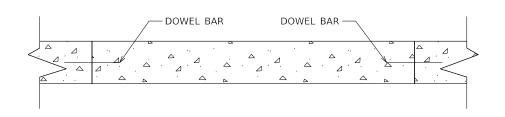
DEPARTMENT OF TRANSPORTATION

SCALE:

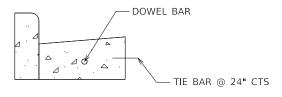
SECTION IL 003 & NIEDRINGHAUS AVE. CABLE DIAGRAM 103SW-1 CONTRACT NO. 76L91 SHEETS STA. TO STA.







SECTION A-A



SECTION B-B

LOCATIONS

IL	3 / NIEDRINGHAUS	SWQ	2 EACH
IL	3 / NIEDRINGHAUS	WEST MEDIAN	2 EACH
IL	3 / NIEDRINGHAUS	NWQ	2 EACH
IL	3 / NIEDRINGHAUS	NEQ	2 EACH
IL	3 / NIEDRINGHAUS	EAST MEDIAN	2 EACH
IL	3 / NIEDRINGHAUS	SEQ.	2 EACH

NOT TO SCALE

USER NAME = smithma	DESIGNED -	REVISED -		CURB & GUTTER DOWEL BAR DETAIL			SECTION	COUNT	TOT	FAL SH	HEET
	DRAWN -	REVISED -	STATE OF ILLINOIS				103SW-1	MADISO	N 2:	2	22
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRA	ACT NO	. 76L9	∂1
PLOT DATE = 10/17/2019	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT			