

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	1
FED. ROAD DIST. NO. 1		ILLINOIS CONTRACT NO. 60Y73		
D-91-011-15				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE VILLAGE OF SCHAUMBURG IN COOK COUNTY.

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED

HIGHWAY PLANS

F.A.P. 341 /FAU 2959: ILLINOIS ROUTE 72 (HIGGINS ROAD)
 LEXINGTON DRIVE TO I-290 EAST RAMPS & I-290
 (EAST AND WEST FRONTAGE ROADS) AT WOODFIELD ROAD

SECTION: (32-3-R&0305-302K)TS&N-3

PROJECT NO.: ACHSIP-0341 (060)

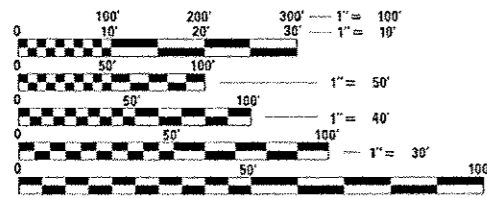
INTERSECTION IMPROVEMENT AND
 TRAFFIC SIGNAL MODERNIZATION

COOK COUNTY

C-91-011-15

TRAFFIC DATA

IL RTE 72 (HIGGINS ROAD)
 OTHER PRINCIPAL ARTERIAL
 EXISTING ADT (2014) = 43,600
 PROPOSED ADT
 DESIGN SPEED = 40 MPH
 POSTED SPEED = 40 MPH



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
 1-800-892-0123
 OR 811

PROJECT MANAGER: DANIEL WILGREEN (847) 705-4240
 PROJECT ENGINEER: THOMAS V. NGO (630) 705-0110

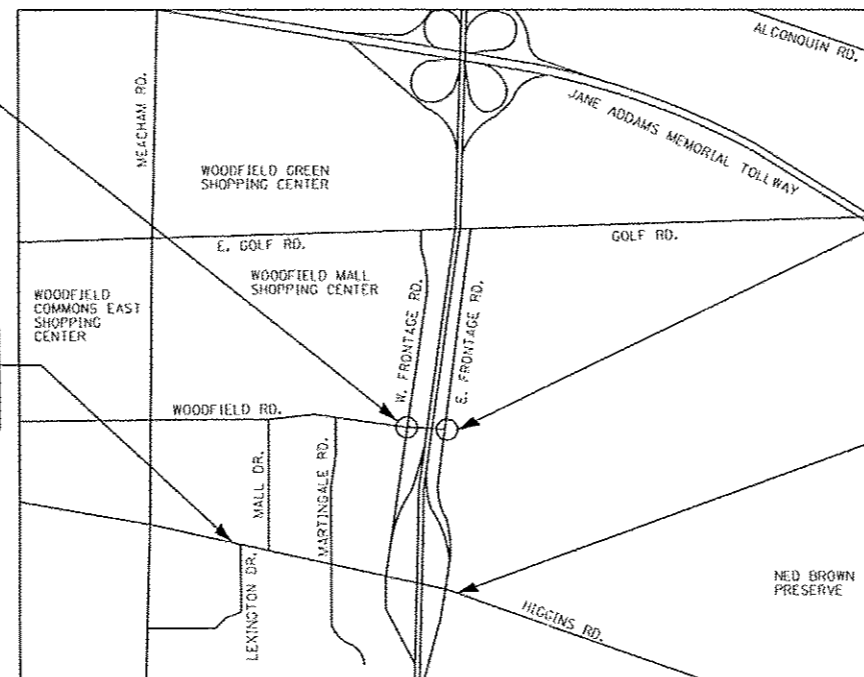
CONTRACT NO. 60Y73

PROJECT LOCATION 2
 WOODFIELD RD/
 W. FRONTAGE RD

LOCATON 1
 PROJECT BEGINS
 STA. 121 + 58

PROJECT LOCATION 3
 WOODFIELD RD/
 E. FRONTAGE RD

LOCATON 1
 PROJECT ENDS
 STA. 159 + 83



LOCATION MAP
 NOT TO SCALE

GROSS LENGTH OF PROJECT = 3825 FT. = 0.724 MILES
 NET LENGTH OF PROJECT = 3825 FT. = 0.724 MILES



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *January 18, 2015*

John F. ...
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 29 2016
Muhammad M. Addis, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

Jan 29 2016
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

2600 Warrenville Road, Suite 203
 Downers Grove, Illinois 60515
 630.705.0110 voice, 630.839.2666 fax
 www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

MILLENNIA PROFESSIONAL SERVICES
 THOMAS V. NGO, P.E.
 * 062-058379

Thomas V. Ngo
 DATE: *1/27/2015*
 SIGNATURE AND SEAL APPLIES TO DRWG.

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

280001-07 EROSION CONTROL SYSTEMS, TEMPORARY
 353001-04 PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
 420101-05 24'(7.2 m) JOINTED PCC PAVEMENT
 424001-08 CURB RAMPS FOR SIDEWALKS, PERPENDICULAR
 424006-02 CURB RAMPS FOR SIDEWALKS, DIAGONAL
 442201-03 PATCHING, CLASS C AND D
 482011-03 HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
 542301-03 END SECTION, FLARED, PRECAST REINFORCED CONCRETE, ROUND
 601001-04 SUB-SURFACE DRAINS
 602001-02 CATCH BASIN TYPE A
 602301-04 INLET - TYPE A
 602501-02 VALVE VAULT TYPE A
 604001-04 FRAME AND LIDS TYPE 1
 604086-03 FRAME AND GRATE TYPE 23
 604091-03 FRAME AND GRATE TYPE 24
 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 606006-02 OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
 606301-04 MEDIAN, CONCRETE
 635001-01 DELINEATORS
 701001-02 OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" (600MM) FROM PAVEMENT EDGE
 701011-04 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701101-04 OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
 701106-02 OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS FOR SPEEDS > OR = 45 MPH
 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > OR = 45 MPH
 701400-08 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
 701401-09 LANE CLOSURE, FREEWAY/EXPRESSWAY
 701411-09 MULTI-LANE, TRAFFIC CONTROL AT ENTRANCE OR EXIT RAMPS
 701421-07 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > OR = 45 MPH TO 55 MPH
 701426-07 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > OR = 45
 701428 TRAFFIC CONTROL SETUP & REMOVAL FREEWAY/EXPRESSWAY
 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
 701901-04 TRAFFIC CONTROL DEVICES
 720001-01 SIGN PANEL MOUNTING DETAILS
 720006-04 SIGN PANEL ERECTION DETAILS
 728001-01 TELESCOPING STEEL SIGN SUPPORT
 780001-05 TYPICAL PAVEMENT MARKINGS
 814001-05 HANDHOLES
 814006-02 DOUBLE HANDHOLES
 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
 876001-03 PEDESTRIAN PUSH BUTTON POST
 877001-05 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
 877002-02 STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
 878001-10 CONCRETE FOUNDATION DETAILS
 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
 886001-01 DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, VILLAGE OF SCHAUMBURG.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKING OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENTS OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT JOE ECKERT, AREA TRAFFIC FIELD ENGINEER AT Joe.Eckert@illinois.gov AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN ON THE PLANS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND IT'S REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- SIDEWALK RAMPS MODIFICATIONS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THE PLANS.
- LANDSCAPED MEDIANS ALONG ILLINOIS ROUTE 72 WITHIN THE PROJECT LIMITS CONTAIN AN IRRIGATION SYSTEM THAT IS OWNED AND MAINTAINED BY THE VILLAGE OF SCHAUMBURG. THE CONTRACTOR SHALL CONTACT THE VILLAGE'S ENGINEERING AND PUBLIC WORKS DEPARTMENT AT (847) 923-6600 PRIOR TO PERFORMING ANY WORK WITHIN THE LANDSCAPED MEDIANS. THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN WORKING NEAR THE IRRIGATION SYSTEM.

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

REV.

FILE NAME: 02-D16073-sh1-Gen.note.dgn
 USER: 210208 / jn
 USER SCALE: 1/16
 MILLENNIA PROFESSIONAL SERVICES

MILLENNIA PROFESSIONAL SERVICES
 2600 Warrenville Road, Suite 303, Downers Grove, IL 60515
 630.763.8110 voice, 630.839.3566 fax
 www.mps-ill.com

DESIGNED	TVN	REVISED	
DRAWN		REVISED	
CHECKED	TVN	REVISED	
DATE	1/20/2016	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS ROAD)
INDEX OF SHEETS, LIST OF IDOT HIGHWAY STANDARDS,
GENERAL NOTES AND COMMITMENTS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302)KTS&N-3	COOK	153	2
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE																			
				URBAN		1		2		3		4		5		6		7		8		9	
				ROADWAY 90% FED 10% STATE	SIDEWALK 80% FED 20% VILLAGE	LIGHTING 90% FED 10% STATE	IL RTE 72 AT MALL DR 90% FED 6.7% STATE 3.3% VILLAGE	IL RTE 72 AT MARTINGALE RD 90% FED 5% STATE 5% VILLAGE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	WOODFIELD RD AT FRONTAGE RD 90% FED 6.7% STATE 3.3% VILLAGE	WOODFIELD RD AT FRONTAGE RD 90% FED 10% STATE	TRAFFIC SIGNAL INTERCONNECTION 90% FED 10% STATE										
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	401	401																			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16																			
20101000	TEMPORARY FENCE	FOOT	445	445																			
20101700	SUPPLEMENTAL WATERING	UNIT	25	25																			
20200100	EARTH EXCAVATION	CU YD	4845	4845																			
20800150	TRENCH BACKFILL	CU YD	53	53																			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	309	309																			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	11133	11133																			
21400100	GRADING AND SHAPING DITCHES	FOOT	1457	1457																			
* 25000210	SEEDING, CLASS 2A	ACRE	2.3	2.3																			
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	223	223																			
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	223	223																			
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	223	223																			
* 25100115	MULCH, METHOD 2	ACRE	0.8	0.8																			
25100630	EROSION CONTROL BLANKET	SQ YD	11133	11133																			
25200110	SODDING, SALT TOLERANT	SQ YD	876	876																			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	249	249																			
28000305	TEMPORARY DITCH CHECKS	FOOT	260	260																			
28000400	PERIMETER EROSION BARRIER	FOOT	3631	3631																			
28000510	INLET FILTERS	EACH	40	40																			
28200200	FILTER FABRIC	SQ YD	44.5	44.5																			
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	12009	12009																			
28100107	STONE RIPRAP, CLASS A4	SQ YD	44.5	44.5																			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7173	7173																			
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	250	250																			
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	3895	3895																			
35501318	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	2900	2900																			
35501321	HOT-MIX ASPHALT BASE COURSE, 9 1/4"	SQ YD	2873	2873																			
35600713	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"	SQ YD	183	183																			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	29444	29444																			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	10256	10256																			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2385	2385																			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	319	319																			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	41	41																			

* SPECIALTY ITEM

03-DL-080773-sh1-500.dgn
 03-DL-080773-sh1-500.dgn
 USER NAME: Millennium Professional Services



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 630.765.8110 voice, 630.533.2568 fax
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CHECKED - TVN	REVISED -
DATE - 12/22/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
 SUMMARY OF QUANTITIES**

SCALE: N/A SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&O305-302&ITS&N-3	COOK	153	3
CONTRACT NO. 60Y73			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	


03-DL-080773-sh1-500.dgn

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE																
				ROADWAY 90% FED 10% STATE	SIDEWALK 80% FED 20% VILLAGE	LIGHTING 90% FED 10% STATE	IL RTE 72 AT MALL DR 90% FED 6.7% STATE 3.3% VILLAGE	IL RTE 72 AT MARTINGALE RD 90% FED 5% STATE 5% VILLAGE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	WOODFIELD RD AT FRONTAGE RD 90% FED 6.7% STATE 3.3% VILLAGE	WOODFIELD RD AT FRONTAGE RD 90% FED 10% STATE	TRAFFIC SIGNAL INTERCONNECTION 90% FED 10% STATE							
				0004	0021	0021	0021	0021	0021	0021	0021	0021	0021							
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	436	436																
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	358	358																
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SO YD	732	732																
42001300	PROTECTIVE COAT	SO YD	3076	3076																
42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SO YD	188	188																
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	6406	4529	1877															
42400800	DETECTABLE WARNINGS	SO FT	110	110																
44000100	PAVEMENT REMOVAL	SO YD	841	841																
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	42640	42640																
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	179	179																
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6145	6145																
44000600	SIDEWALK REMOVAL	SO FT	7267	7267																
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SO YD	3114	3114																
44003100	MEDIAN REMOVAL	SO FT	8271	8271																
44004250	PAVED SHOULDER REMOVAL	SO YD	4526	4526																
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	2715	2715																
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	116	116																
44213204	TIE BARS 3/4"	EACH	382	382																
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	126	126																
48203044	HOT-MIX ASPHALT SHOULDERS, 11 3/4"	SO YD	787	787																
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2																
50105220	PIPE CULVERT REMOVAL	FOOT	98	98																
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	74	74																
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2																
54213689	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5	5																
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1																
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	427	427																
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	17	17																
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	10	10																
55100500	STORM SEWER REMOVAL 12"	FOOT	182	182																
60107600	PIPE UNDERDRAINS 4"	FOOT	2370	2370																

* SPECIALTY ITEM

FILE NAME: 03-DIV-EB73-shr-500.dgn
 PLOT SCALE: 2.0000 / in.
 USER NAME: Millenna Professional Services



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MILLENNIA PROFESSIONAL SERVICES

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CHECKED - TVN	REVISED -
DATE - 12/22/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&O305-302KITS&N-3	COOK	153	4
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE										
				ROADWAY	1 SIDEWALK	2 LIGHTING	3 IL RTE 72 AT MALL DR	4 IL RTE 72 AT MARTINGALE RD	5 HIGGINS RD AT FRONTAGE RD W	6 HIGGINS RD AT FRONTAGE RD E	7 WOODFIELD RD AT FRONTAGE RD W	8 WOODFIELD RD AT FRONTAGE RD E	9 TRAFFIC SIGNAL INTERCONNECTION	
				90% FED. 10% STATE	80% FED. 20% VILLAGE	90% FED. 10% STATE	90% FED. 6.7% STATE 3.3% VILLAGE	90% FED. 5% STATE 5% VILLAGE	90% FED. 10% STATE	90% FED. 10% STATE	90% FED. 6.7% STATE 3.3% VILLAGE	90% FED. 10% STATE	90% FED. 10% STATE	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1										
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3										
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	2	2										
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	4	4										
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2										
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5										
60500040	REMOVING MANHOLES	EACH	5	5										
60500060	REMOVING INLETS	EACH	4	4										
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5.4	5.4										
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2590	2590										
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	854	854										
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	5439	5439										
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	3183	3183										
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2070	2070										
66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1										
66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4										
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6										
67100100	MOBILIZATION	LSUM	1	1										
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12										
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4936	4936										
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	36558	36558										
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	16264	16264										
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	10159	10159										
72000100	SIGN PANEL - TYPE 1	SO FT	195.8	185.3			10.5							
72000200	SIGN PANEL - TYPE 2	SO FT	88.25				13.75	47	13.75	13.75				
72000300	SIGN PANEL - TYPE 3	SO FT	752.0	752.0										
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	13	13										
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	20	20										
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	5420	5420										
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	256	256										

• SPECIALTY ITEM

83-01L6873-INT-S00.dgn



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DATE - 12/22/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&0305-30ZKITS&N-3	COOK	153	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	60Y73

83-01L6873-INT-S00.dgn

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE																
				ROADWAY	SIDEWALK	LIGHTING	IL RTE 72 AT MALL DR	IL RTE 72 AT MARTINGALE RD	HIGGINS RD AT FRONTAGE RD W	HIGGINS RD AT FRONTAGE RD E	WOODFIELD RD AT FRONTAGE RD W	WOODFIELD RD AT FRONTAGE RD E	TRAFFIC SIGNAL INTERCONNECTION							
				90% FED 10% STATE	80% FED 20% VILLAGE	90% FED 10% STATE	90% FED 5.7% STATE 3.3% VILLAGE	90% FED 5% STATE 5% VILLAGE	90% FED 10% STATE	90% FED 10% STATE	90% FED 5.7% STATE 3.3% VILLAGE	90% FED 10% STATE	90% FED 10% STATE							
73000100	WOOD SIGN SUPPORT	FOOT	66	66																
73302200	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (30" X 7'-0")	FOOT	35.5	35.5																
73400100	CONCRETE FOUNDATIONS	CU YD	9.1	9.1																
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	12.6	12.6																
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1898	1898																
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18279	18279																
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8132	8132																
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	672	672																
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2290	2290																
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	699	699																
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	146	146																
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2009	2009																
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1236	1236																
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	120	120																
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	38	38																
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	37	37																
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	508	508																
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1309	1309																
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	33	33																
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	3					1	1	1										
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3989				925	1519	490	738										317
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	369				35	100	84	150										
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1764			130	48	364	554	424					17					227
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1897				460	469	464	504										
81400100	HANDHOLE	EACH	21				5	7	5	3										1
81400200	HEAVY-DUTY HANDHOLE	EACH	19				1	3	5	7										3
81400300	DOUBLE HANDHOLE	EACH	6				1	2	1	2										
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA POLYETHYLENE	FOOT	1600																	
81603171	UNIT DUCT, 600V, 6-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	370																	

* SPECIALTY ITEM

03-01168773-1-11-500.dgn
 2/28/15
 USER: MPR



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
 SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 7 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&G305-302KITS&N-3	COOK	153	6
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE																
				ROADWAY 90% FED 10% STATE	SIDEWALK 80% FED 20% VILLAGE	LIGHTING 90% FED 10% STATE	IL RTE 72 AT MALL DR 90% FED 6.7% STATE 3.3% VILLAGE	IL RTE 72 AT MARTINGALE RD 90% FED 5% STATE 5% VILLAGE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	WOODFIELD RD AT FRONTAGE RD 90% FED 6.7% STATE 3.3% VILLAGE	WOODFIELD RD AT FRONTAGE RD 90% FED 10% STATE	TRAFFIC SIGNAL INTERCONNECTION 90% FED 10% STATE							
				0004	0021	0021	0021	0021	0021	0021	0021	0021	0021							
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	70			70														
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8			8														
84200804	REMOVAL OF POLE FOUNDATION	EACH	8			8														
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	8			8														
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7				1	1	1	1	1	1	1	1	1					1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	4																	4
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5233																	5233
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2005				780	1117												108
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	5175				1248	2365	691	769										102
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	16648				1917	5237	4241	4311	350									592
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1775				837	938												
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7371				1512	2890	1565	1404										
87301800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	1158									1158								
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	414				81	53	280											
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4526				660	1037	917	1868										44
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	12				1	3	3	5										
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4				2	2												
87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1																	1
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2				1		1											
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1						1											
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1				1													
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2						1	1										
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1							1										
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2																	2
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1							1										
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1																	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	2				1	1												
87700330	STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	2				1	1												
87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1						1											
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	64				12	20	12	20										

• SPECIALTY ITEM

FILE NAME: 03-DIL6973-shr-500.dgn
 PLOT SCALE: 1"=40'
 USER: jmm
 03-DIL6973-shr-500.dgn
 Millennium Professional Services



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DATE - 12/22/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 5 OF 7 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&0305-302KITS&N-3	COOK	153	7
CONTRACT NO. 60Y13			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE										
				1	2	3	4	5	6	7	8	9		
				ROADWAY 90% FED 10% STATE	SIDEWALK 80% FED 20% VILLAGE	LIGHTING 90% FED 10% STATE	IL RTE 72 AT MALL DR 90% FED 6.7% STATE 3.3% VILLAGE	IL RTE 72 AT MARTINGALE RD 90% FED 5% STATE 5% VILLAGE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	HIGGINS RD AT FRONTAGE RD 90% FED 10% STATE	WOODFIELD RD AT FRONTAGE RD 90% FED 6.7% STATE 3.3% VILLAGE	WOODFIELD RD AT FRONTAGE RD 90% FED 10% STATE	TRAFFIC SIGNAL INTERCONNECTION 90% FED 10% STATE	
0004	0021	0021	0021	0021	0021	0021	0021	0021	0021					
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16				4	4	4	4				
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30				10		10				10	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	115				11	24	39	41				
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63				21	42						
87900200	DRILL EXISTING HANDHOLE	EACH	7				1	1	3				1	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	58				8	15	13	10	8	4		
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	28				3	5	4	7	6	3		
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1							1				
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5				3	2						
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3				1	2						
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14				4	6			2	2		
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	61				9	17	13	10	8	4		
88500100	INDUCTIVE LOOP DETECTOR	EACH	49				6	12	14	17				
88600100	DETECTOR LOOP, TYPE 1	FOOT	4509				889	1053	1293	1274				
88600700	PREFORMED DETECTOR LOOP	FOOT	420					112	160	148				
88700200	LIGHT DETECTOR	EACH	13				3	4	3	3				
88700300	LIGHT DETECTOR AMPLIFIER	EACH	4				1	1	1	1				
88800100	PEDESTRIAN PUSH-BUTTON	EACH	14				4	6			2	2		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4				1	1	1	1				
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2								1	1		
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3007											3007
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6				1	1	1	1	1	1		
89502380	REMOVE EXISTING HANDHOLE	EACH	34				8	10	10	6				
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	7				1	1	1	4				
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	31				7	7	7	8		2		
A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6										
A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6										
X0301834	STORM SEWER TO BE FILLED	FOOT	55	55										
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	3236				492	1284	691	769				

• SPECIALTY ITEM ◊ 100% VILLAGE

FILE NAME: \\S:\proj\973\973-dtd-900.dgn
 PLOT SCALE: 2"=80'
 USER NAME: Millennium Professional Services



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MILLENNIA PROFESSIONAL SERVICES

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DATE	12/22/2015	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	132-3-R&C305-302KITS&N-3	COOK	153	6
CONTRACT NO. 60Y73			FED. ROAD DIST. NO. 1 ILLINOIS PED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE											
				URBAN		ROADWAY	SIDEWALK	LIGHTING	IL RTE 72 AT MALL DR	IL RTE 72 AT MARTINGALE RD	HIGGINS RD AT FRONTAGE RD W	HIGGINS RD AT FRONTAGE RD E	WOODFIELD RD AT FRONTAGE RD W	WOODFIELD RD AT FRONTAGE RD E	TRAFFIC SIGNAL INTERCONNECTION
				90% FED 10% STATE	80% FED 20% VILLAGE	90% FED 10% STATE	90% FED 6.7% STATE 3.3% VILLAGE	90% FED 5% STATE 5% VILLAGE	90% FED 10% STATE	90% FED 10% STATE	90% FED 6.7% STATE 3.3% VILLAGE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	
				0004	0021	0021	0021	0021	0021	0021	0021	0021			
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2832											2832	
X0325815	REMOVE EXISTING CABLE	FOOT	400				400								
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	4				1	1	1	1					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5											
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	4467	4467											
X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	1608	1608											
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	90	90											
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	78	78											
X5538100	STORM SEWERS TO BE CLEANED 21"	FOOT	24	24											
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	48	48											
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1											
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1											
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	6				1	1	1	1	1	1			
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5233											5233	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1											
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10											
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	182	182											
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6				6								
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1											1	
Z0038123	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"	SO YD	537	537											
Z0062450	SAWING PAYEMENT (FULL DEPTH)	FOOT	9613	9613											
Z0062002	SAW CUTTING, (FULL DEPTH)	FOOT	6148	6148											
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4				1	1	1	1					
Ø Z0076000	TRAINEES	hour	500	500											
Ø Z0076004	TRAINEES TRAINING PROGRAM GRADUATE	hour	500	500											

* SPECIALTY ITEM Ø 0042

03-DIL8273-ans-500.dgn
 USER: MSPS
 01/11/2015 10:50:00 AM
 01/11/2015 10:50:00 AM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
SUMMARY OF QUANTITIES**

SCALE: 1/4" = 1'-0"	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			341 (32-3-R&O305-302K)TS&N-3	COOK	153	9
			FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y13	

EARTHWORK SCHEDULE

Location	Earth Excavation	Earth Excavation Adjusted for Shrinkage (15%)	Unsuitable Material	Embankment	Earthwork Balance Waste (+) or Shortage (-)
IL-72 (Higgins Rd)	(CU YD)	(CU YD)		(CU YD)	(CU YD)
Sta. 122+00 to 124+00	95.9	81.5	0.0	0.0	81.5
Sta. 124+00 to 126+00	294.0	249.9	0.0	13.1	236.8
Sta. 126+00 to 128+00	87.5	74.4	0.0	9.5	64.9
Sta. 128+00 to 130+00	324.8	276.1	0.0	56.4	219.7
Sta. 130+00 to 132+00	279.6	237.7	0.0	91.8	145.9
Sta. 132+00 to 134+00	308.9	262.6	0.0	102.8	159.8
Sta. 134+00 to 136+00	731.6	621.9	0.0	0.0	621.9
Sta. 136+00 to 138+00	105.4	89.6	0.0	1.1	88.5
Sta. 138+00 to 140+00	185.0	157.3	0.0	0.7	156.5
Sta. 140+00 to 142+00	62.4	53.0	0.0	0.0	53.0
Sta. 142+00 to 144+00	23.9	20.3	0.0	0.0	20.3
Sta. 144+00 to 146+00	96.5	82.0	0.0	8.3	73.7
Sta. 146+00 to 148+00	151.8	129.0	0.0	16.6	112.4
Sta. 148+00 to 150+00	92.2	78.4	0.0	0.0	78.4
Sta. 150+00 to 152+00	43.1	36.6	0.0	2.5	34.1
Sta. 152+00 to 154+00	175.1	148.8	0.0	28.7	120.1
Sta. 154+00 to 156+00	514.0	436.9	0.0	22.4	414.5
Sta. 156+00 to 158+00	128.7	109.4	0.0	3.0	106.4
Sta. 158+00 to 160+50	117.9	100.2	0.0	1.7	98.5
Martingale Rd					
Sta. 33+00 to 35+00	114.1	97.0	0.0	0.0	97.0
Sta. 35+00 to 37+00	557.7	474.0	0.0	0.0	474.0
Sta. 37+00 to 39+00	442.4	376.0	0.0	0.0	376.0
Sta. 39+00 to 42+00	75.5	64.2	0.0	0.0	64.2
Ramp B					
Sta. 51+00 to 53+00	202.3	172.0	0.0	0.0	172.0
Sta. 53+00 to 55+00	355.3	302.0	0.0	4.0	298.0
Sta. 55+00 to 57+00	217.7	185.0	0.0	29.0	156.0
Sta. 57+00 to 60+00	384.6	326.9	0.0	6.6	320.3
Total	6167.9	5242.7	0.0	398.2	4845

FILE NAME = D:\6073-sh1-EarthWork-Sch.dgn
 PLOT SCALE = 2.0000' / 1" =
 USER NAME = Millennia Professional Services



2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/22/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
EARTHWORK SCHEDULE**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	10
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

D:\6073-sh1-EarthWork-Sch.dgn

EXISTING LEGEND

- (A) HMA SURFACE REMOVAL ±2 1/2"
- (B) EXISTING PCC PAVEMENT, ±10"
- (C) EXISTING SUB-BASE, ±4"
- (D) EXISTING CURB & GUTTER
- (E) EXISTING MEDIAN SURFACE
- (F) EXISTING STABILIZED SHOULDER, ±10"
- (G) EXISTING CORRUGATED MEDIAN
- (H) EXISTING PCC SIDEWALK

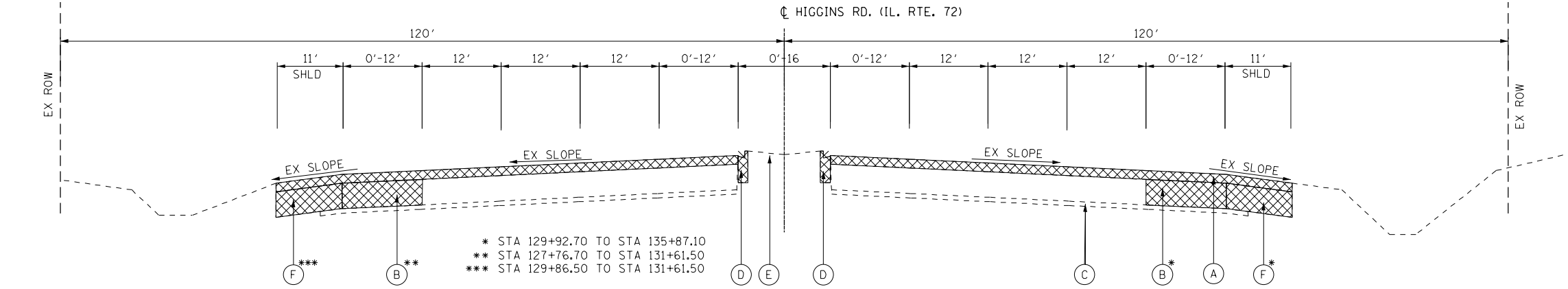
PROPOSED LEGEND

- (1) POLYMERIZED HMA SURFACE COURSE, SMA, N80 (IL-9.5) 1 3/4"
- (2) HMA SURFACE COURSE, MIX "D", N70 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- (5) HOT-MIX ASPHALT BASE COURSE, 8 1/2"
- (6) HOT-MIX ASPHALT SHOULDERS, 11 3/4"
- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (8) AGGREGATE BASE COURSE, TYPE B 6"
- (9) CONCRETE MEDIAN, TYPE SB-6.06
- (10) COMBINATION CONCRETE C&G, TYPE B-6.24
- (11) COMBINATION CONCRETE C&G, TYPE B-6.12
- (12) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (13) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A OR SODDING, SALT TOLERANT
- (14) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (15) GRADING AND SHAPING SHOULDERS

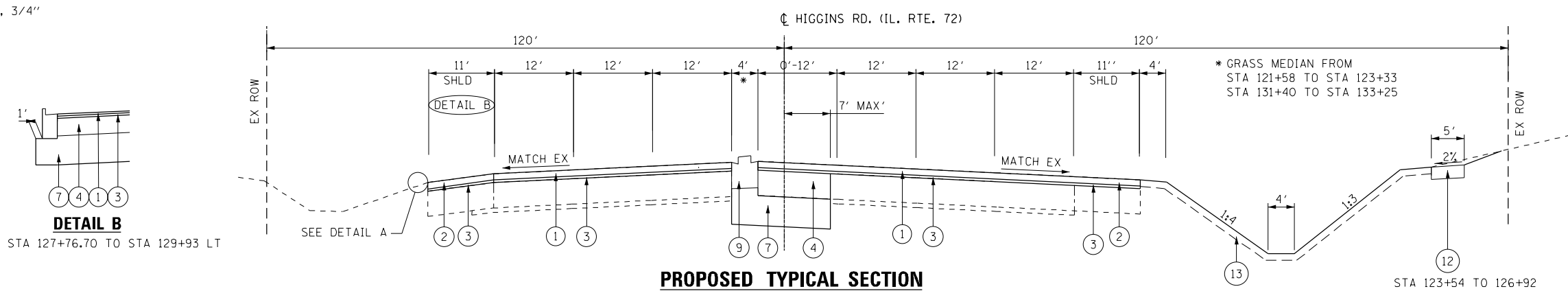
NOTES:

1. CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
2. SAW CUT FULL DEPTH ALONG EDGE OF WIDENING AREAS
3. WIDENING NOT EXCEEDING 6' SHALL BE PAID FOR SEPARATELY AS HOT-MIX ASPHALT BASE COURSE WIDENING (35600713)

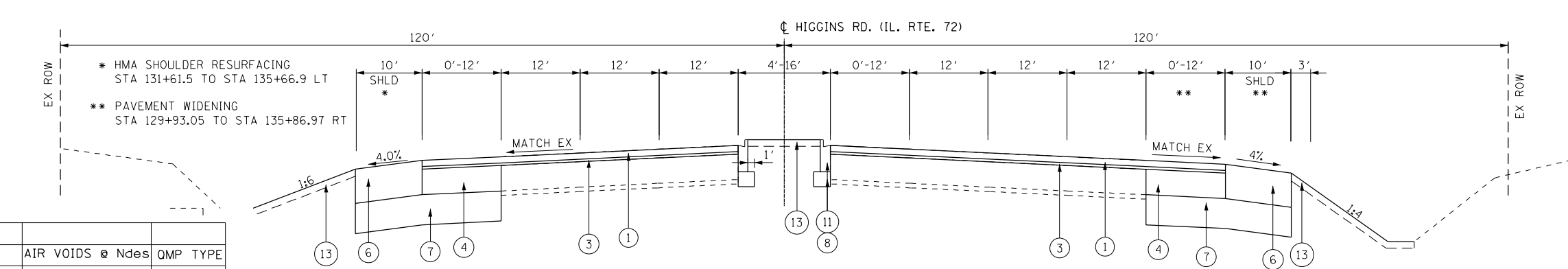
HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP TYPE
PAVEMENT WIDENING /RESURFACING		
POLYMERIZED HMA SURFACE COURSE, SMA, N80 (IL 9.5 mm), 1 3/4"	3.5% @ 80 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT BASE COURSE, 9 1/4" (HMA BINDER IL-19.0)	4% @ 90 GYR.	OCP
HOT-MIX ASPHALT BASE COURSE, 8 1/2" (HMA BINDER IL-19.0)	4% @ 90 GYR.	OCP
SHOULDER RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 (IL 9.5 mm), 1 3/4"	4% @ 70 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HMA SHOULDERS, 11 3/4"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 (IL 9.5 mm), 1 3/4"	4% @ 70 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9 1/4"	4% @ 70 GYR.	OCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/OA
LONGITUDINAL PARTIAL DEPTH PATCHING, 3"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 (IL 9.5 mm)	4% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL /QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		



EXISTING TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 121+58 TO STA. 137+32



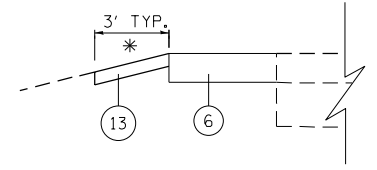
PROPOSED TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 121+58 TO STA. 129+93



PROPOSED TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 129+93 TO STA. 137+32

MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



DETAIL A

* LANDSCAPE RESTORATION ADJACENT TO PROPOSED HMA SHOULDERS (SEE LANDSCAPING PLAN)

FILE NAME = 04-D16073-sh-typ.dgn
PLOT SCALE = 20.0000 / 1"
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
630.785.0110 voice, 630.839.2566 fax
www.mps-ill.com

DESIGNED - TVN	REVISED -
DRAWN -	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/16/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

TYP-01

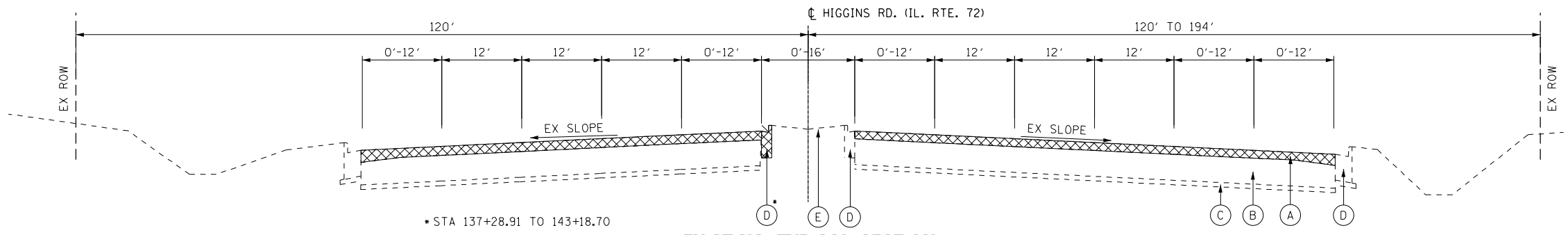
04-D16073-sh-typ.dgn

EXISTING LEGEND

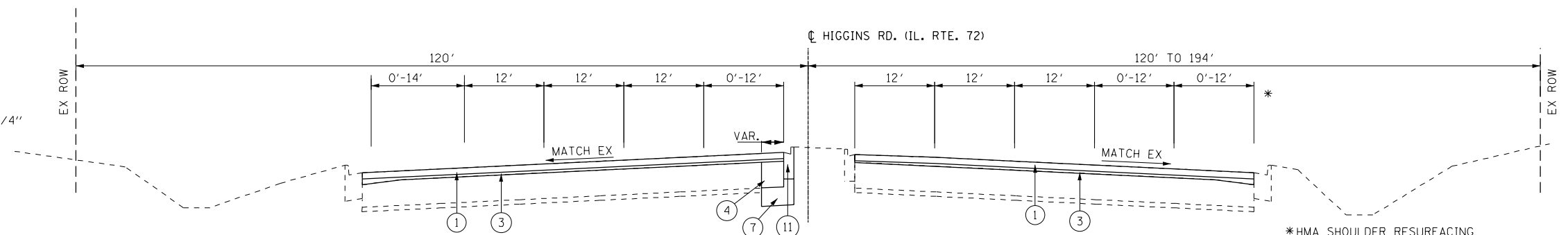
- (A) HMA SURFACE REMOVAL ±2 1/2"
- (B) EXISTING PCC PAVEMENT, ±10"
- (C) EXISTING SUB-BASE, ±4"
- (D) EXISTING CURB & GUTTER
- (E) EXISTING MEDIAN SURFACE
- (F) EXISTING STABILIZED SHOULDER, ±10"
- (G) EXISTING CORRUGATED MEDIAN
- (H) EXISTING PCC SIDEWALK

PROPOSED LEGEND

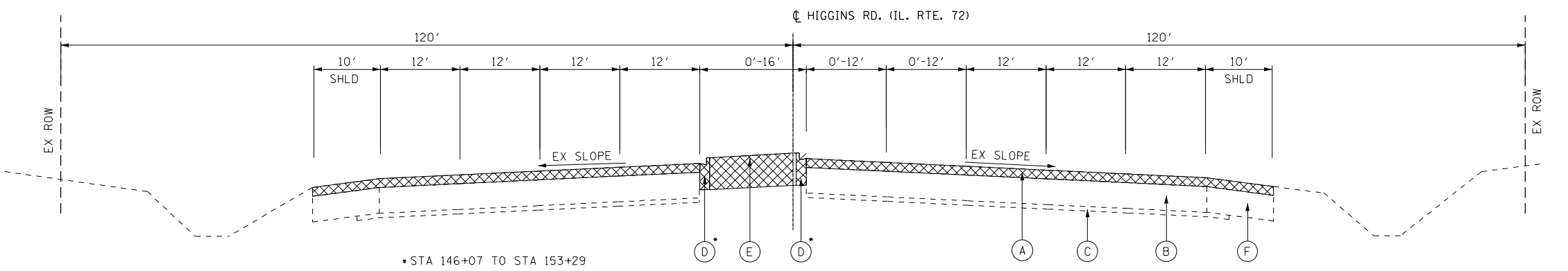
- (1) POLYMERIZED HMA SURFACE COURSE, SMA, N80 (IL-9.5) 1 3/4"
- (2) HMA SURFACE COURSE, MIX "D", N70 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- (5) HOT-MIX ASPHALT BASE COURSE, 8 1/2"
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- (8) AGGREGATE BASE COURSE, TYPE B 6"
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- (10) COMBINATION CONCRETE C&G, TYPE B-6.24
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- (14) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (15) GRADING AND SHAPING SHOULDERS



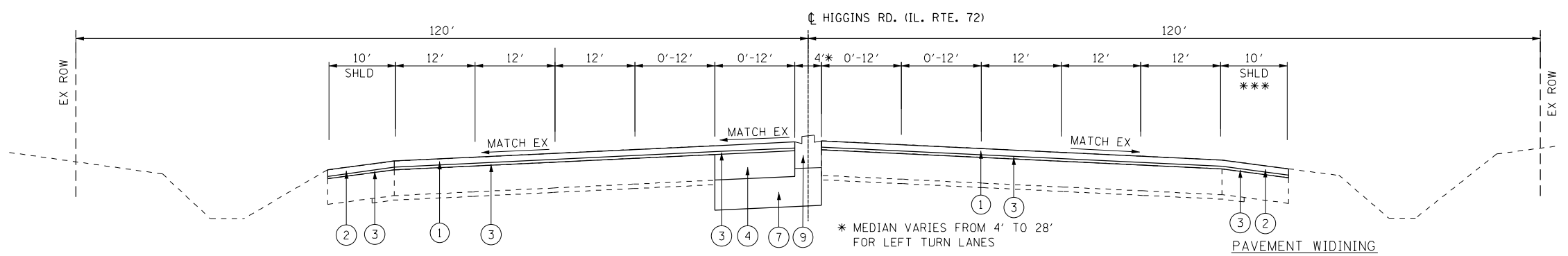
EXISTING TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 137+32 TO STA. 145+00



PROPOSED TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 137+32 TO STA. 145+00



EXISTING TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 145+00 TO STA. 155+00



PROPOSED TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 145+00 TO STA. 155+00

FROM STA 148+02 TO STA 152+04
ALL EXISTING PCC PAVEMENT LONGITUDINAL
JOINTS AND CRACKS TO BE PATCHED (3' WIDE)

PAVEMENT WIDENING
*** STA. 145+50 TO STA. 147+45 RT
SMA N80 HMA SURFACE COURSE,
POLYMERIZED LEVELING BINDER
BASE COURSE 9/4"

FILE NAME = 04-D16073-sh-typ.dgn
PLOT SCALE = 20,000 / in.
USER NAME = Millennia Professional Services



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630.795.0110 voice, 630.839.2566 fax
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MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN -	REVISED -
CHECKED - TVN	REVISED -
DATE - 1/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 72 (HIGGINS ROAD) TYPICAL SECTIONS			
SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	12
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

TYP-02

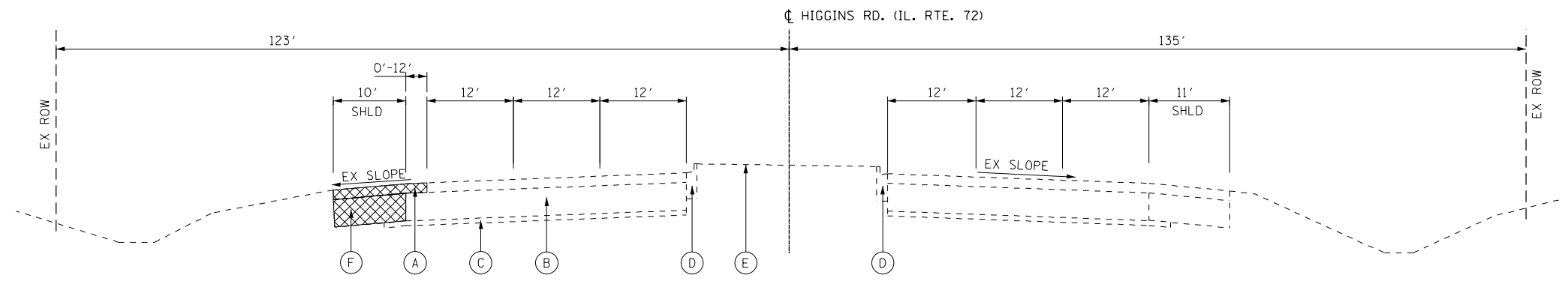
04-D16073-sh-typ.dgn

EXISTING LEGEND

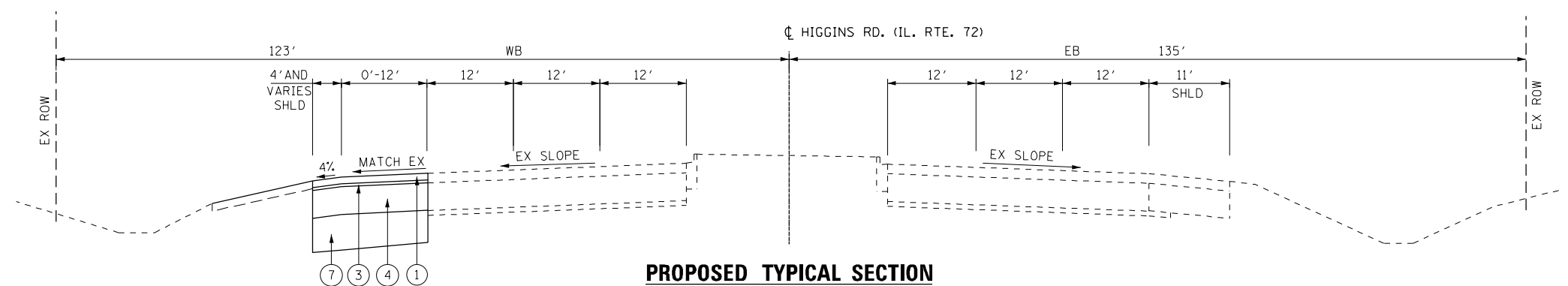
- (A) HMA SURFACE REMOVAL ±2 1/2"
- (B) EXISTING PCC PAVEMENT, ±10"
- (C) EXISTING SUB-BASE, ±4"
- (D) EXISTING CURB & GUTTER
- (E) EXISTING MEDIAN SURFACE
- (F) EXISTING STABILIZED SHOULDER, ±10"
- (G) EXISTING CORRUGATED MEDIAN
- (H) EXISTING PCC SIDEWALK

PROPOSED LEGEND

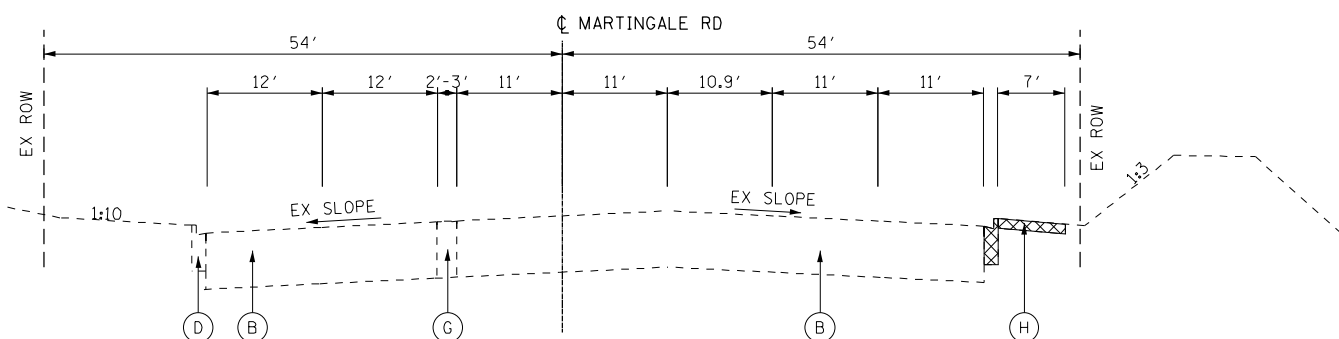
- (1) POLYMERIZED HMA SURFACE COURSE, SMA, N80 (IL-9.5) 1 3/4"
- (2) HMA SURFACE COURSE, MIX "D", N70 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- (5) HOT-MIX ASPHALT BASE COURSE, 8 1/2"
- (6) HOT-MIX ASPHALT SHOULDERS, 11 3/4"
- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (8) AGGREGATE BASE COURSE, TYPE B 6"
- (9) CONCRETE MEDIAN, TYPE SB-6.06
- (10) COMBINATION CONCRETE C&G, TYPE B-6.24
- (11) COMBINATION CONCRETE C&G, TYPE B-6.12
- (12) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (13) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A OR SODDING, SALT TOLERANT
- (14) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (15) GRADING AND SHAPING SHOULDERS



EXISTING TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 155+00 TO STA. 159+83

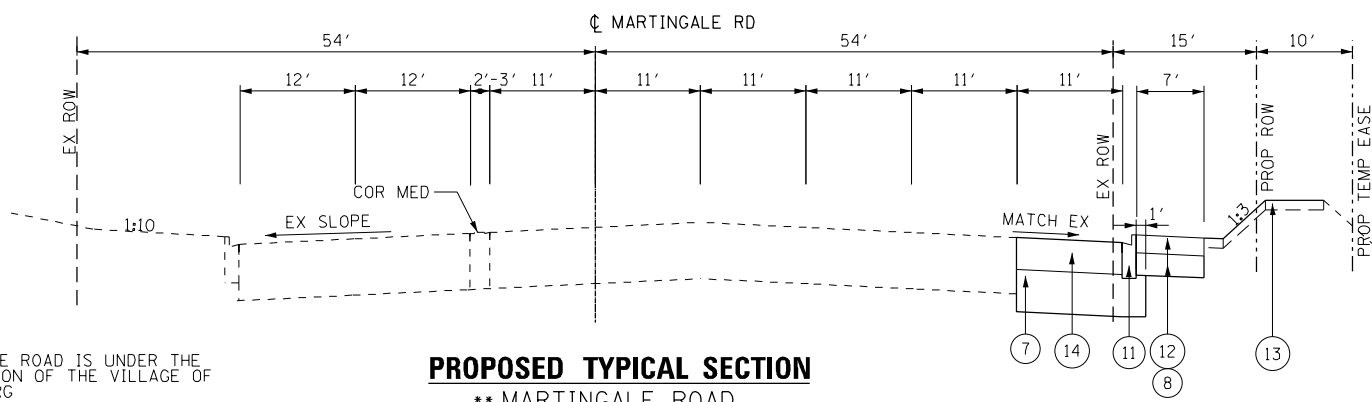


PROPOSED TYPICAL SECTION
IL ROUTE 72 (HIGGINS ROAD)
STA. 155+00 TO STA. 159+83



EXISTING TYPICAL SECTION
MARTINGALE ROAD
STA. 37+00 TO STA. 39+00

** MARTINGALE ROAD IS UNDER THE JURISDICTION OF THE VILLAGE OF SCHAMBURG



PROPOSED TYPICAL SECTION
** MARTINGALE ROAD
STA. 37+00 TO STA. 39+00

FILE NAME = 04-D160773-sh-t-tp.dgn
PLOT SCALE = 20,000 / 1"
USER NAME = Millennia Professional Services

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
630.795.0110 voice, 630.839.2566 fax
www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED	- TVN	REVISED	-
DRAWN	-	REVISED	-
CHECKED	- TVN	REVISED	-
DATE	- 1/21/2016	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)			
TYPICAL SECTIONS			
SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

TYP-03

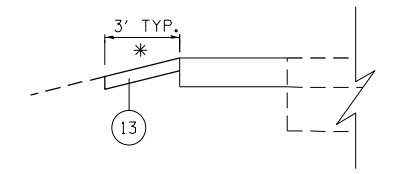
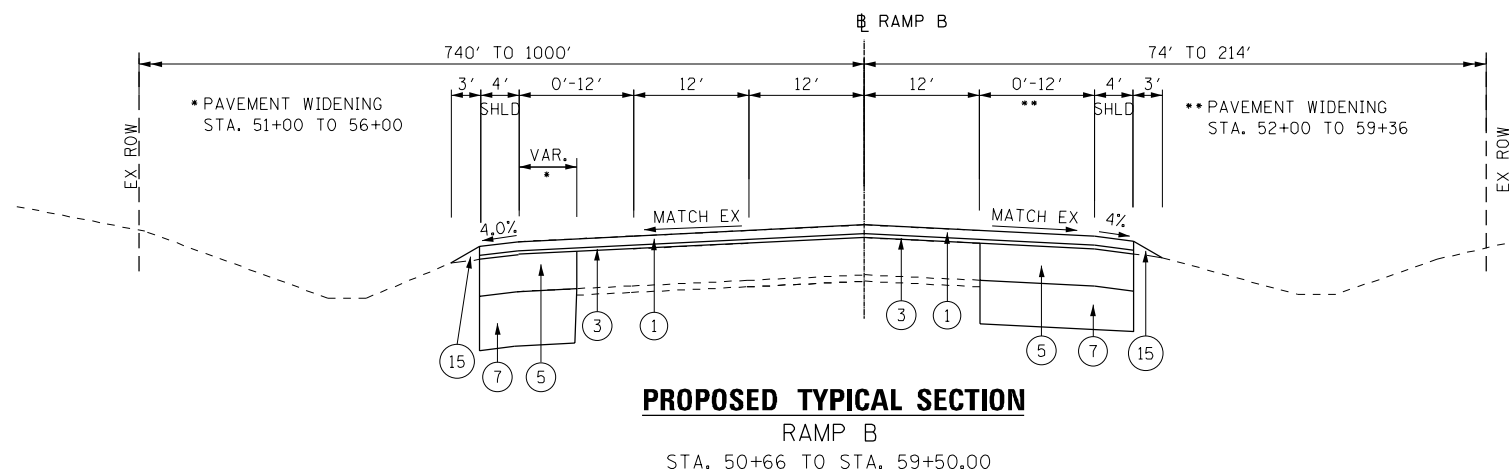
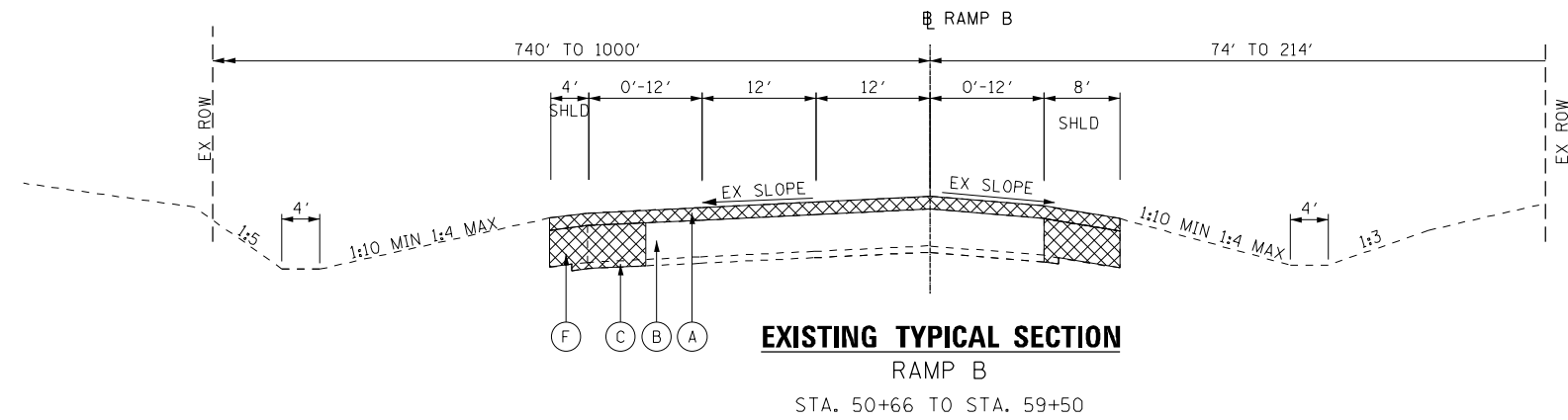
04-D160773-sh-t-tp.dgn

EXISTING LEGEND

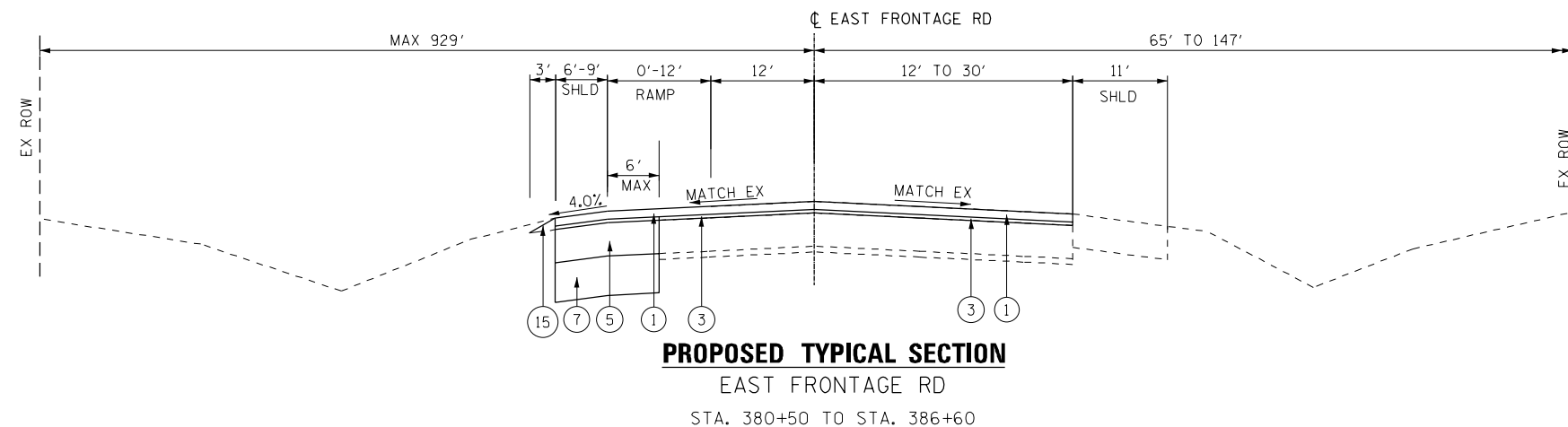
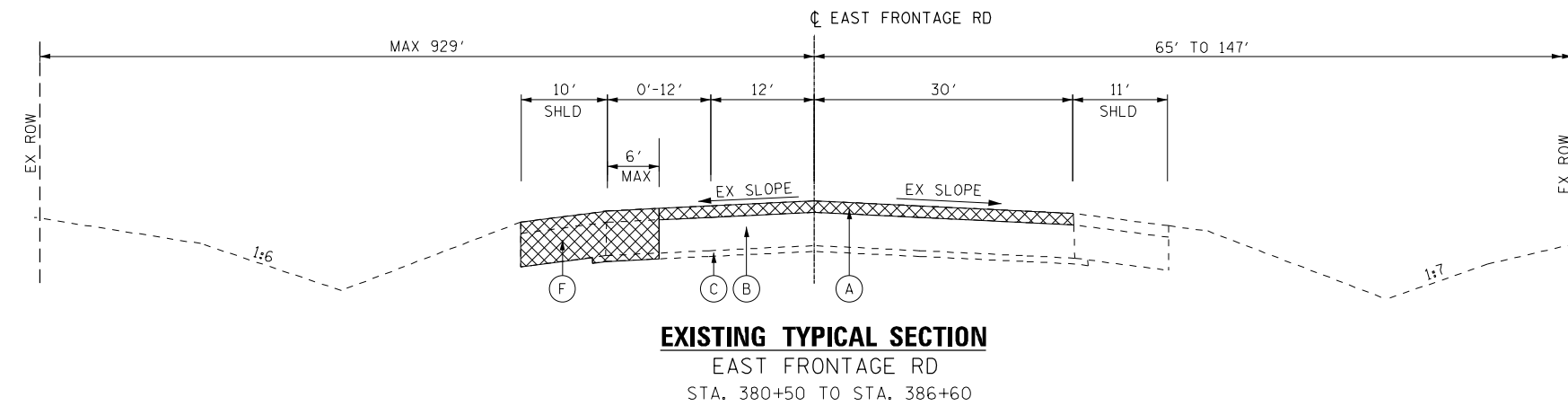
- (A) HMA SURFACE REMOVAL ±2 1/2"
- (B) EXISTING PCC PAVEMENT, ±10"
- (C) EXISTING SUB-BASE, ±4"
- (D) EXISTING CURB & GUTTER
- (E) EXISTING MEDIAN SURFACE
- (F) EXISTING STABILIZED SHOULDER, ±10"
- (G) EXISTING CORRUGATED MEDIAN
- (H) EXISTING PCC SIDEWALK

PROPOSED LEGEND

- (1) POLYMERIZED HMA SURFACE COURSE, SMA, N80 (IL-9.5) 1 3/4"
- (2) HMA SURFACE COURSE, MIX "D", N70 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- (5) HOT-MIX ASPHALT BASE COURSE, 8 1/2"
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- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
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- (9) CONCRETE MEDIAN, TYPE SB-6.06
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- (11) COMBINATION CONCRETE C&G, TYPE B-6.12
- (12) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (13) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A OR SODDING, SALT TOLERANT
- (14) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (15) GRADING AND SHAPING SHOULDERS



DETAIL A
* LANDSCAPE RESTORATION ADJACENT TO PROPOSED HMA SHOULDERS (SEE LANDSCAPING PLAN)



FILE NAME = 04-D160773-sh-typ.dgn
PLOT SCALE = 20,000 / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
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630.795.0110 voice, 630.839.2566 fax
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DESIGNED - TVN	REVISED -
DRAWN -	REVISED -
CHECKED - TVN	REVISED -
DATE - 1/22/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	14
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TYP-04

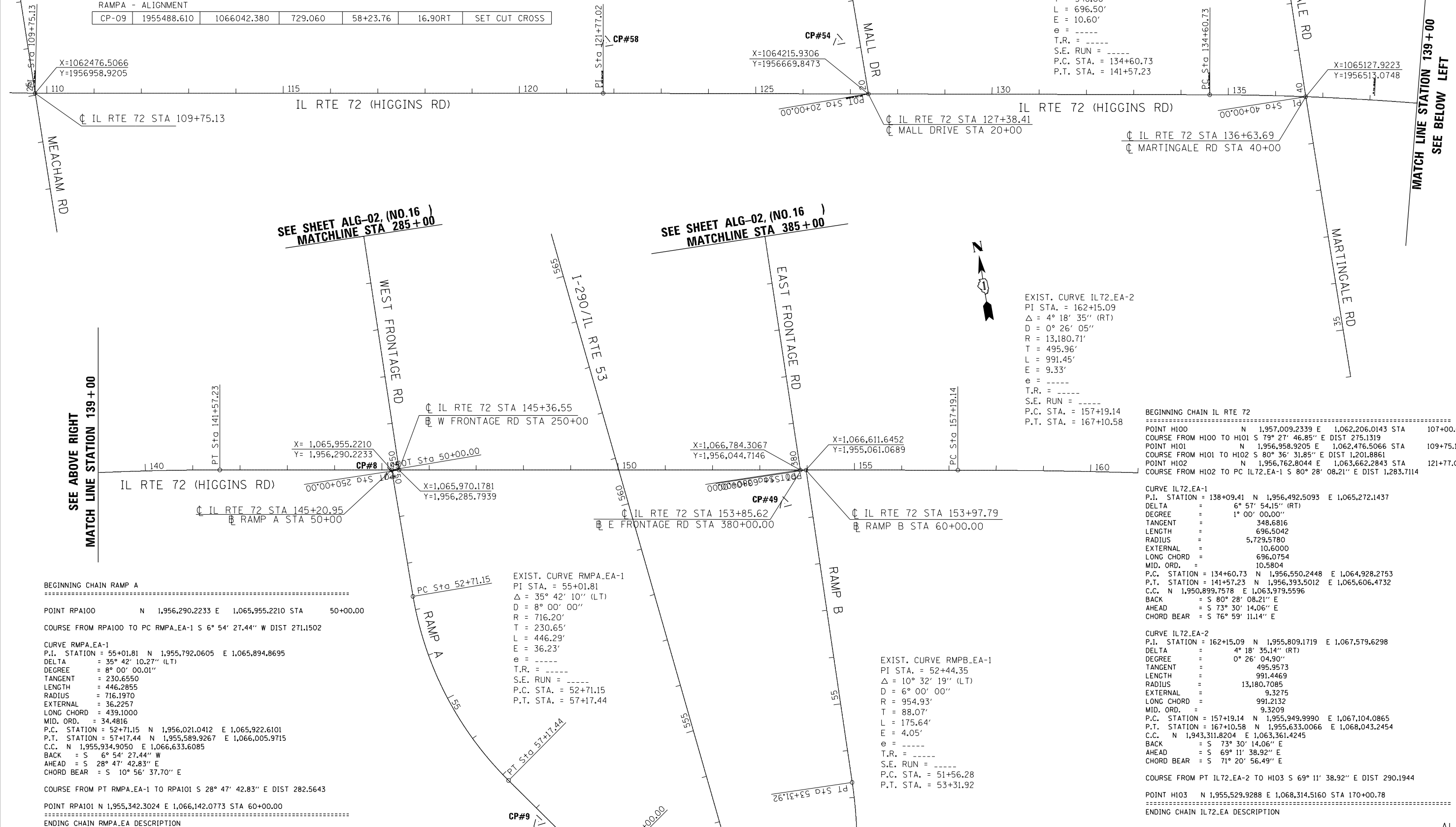
04-D160773-sh-typ.dgn

IL 72 - ALIGNMENT

POINTS	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTIONS
CP-08	1956282.290	1065948.820	724.710	145+17.07	9.42RT	SET CUT CROSS
CP-49	1955986.810	1066732.710	715.650	153+52.59	70.16RT	SET CUT CROSS
CP-54	1956790.940	1064172.040	738.440	126+75.08	112.15LT	SET CUT CROSS
CP-58	1956867.230	1063686.730	743.860	121+83.84	107.03LT	SET CUT CROSS

RAMPA - ALIGNMENT

POINTS	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTIONS
CP-09	1955488.610	1066042.380	729.060	58+23.76	16.90RT	SET CUT CROSS



EXIST. CURVE IL72-EA-1
 PI STA. = 138+09.41
 Δ = 6° 57' 54" (RT)
 D = 1° 00' 00"
 R = 5,729.58'
 T = 348.68'
 L = 696.50'
 E = 10.60'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 134+60.73
 P.T. STA. = 141+57.23

EXIST. CURVE IL72-EA-2
 PI STA. = 162+15.09
 Δ = 4° 18' 35" (RT)
 D = 0° 26' 05"
 R = 13,180.71'
 T = 495.96'
 L = 991.45'
 E = 9.33'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 157+19.14
 P.T. STA. = 167+10.58

BEGINNING CHAIN IL RTE 72

POINT	H100	N	E	STATION
COURSE FROM H100 TO H101	79° 27' 46.85"	1,957,009.2339	1,062,206.0143	107+00.00
COURSE FROM H101 TO H102	80° 36' 31.85"	1,956,958.9205	1,062,476.5066	109+75.13
COURSE FROM H102 TO PC IL72-EA-1	80° 28' 08.21"	1,956,762.8044	1,063,662.2843	121+77.02

CURVE IL72-EA-1

P.I. STATION	=	138+09.41
DELTA	=	6° 57' 54.15" (RT)
DEGREE	=	1° 00' 00.00"
TANGENT	=	348.6816
LENGTH	=	696.5042
RADIUS	=	5,729.5780
EXTERNAL	=	10.6000
LONG CHORD	=	696.0754
MID. ORD.	=	10.5804
P.C. STATION	=	134+60.73
P.T. STATION	=	141+57.23
C.C. N	=	1,950,899.7578
BACK	=	S 80° 28' 08.21" E
AHEAD	=	S 73° 30' 14.06" E
CHORD BEAR	=	S 76° 59' 11.14" E

CURVE IL72-EA-2

P.I. STATION	=	162+15.09
DELTA	=	4° 18' 35.14" (RT)
DEGREE	=	0° 26' 04.90"
TANGENT	=	495.9573
LENGTH	=	991.4469
RADIUS	=	13,180.7085
EXTERNAL	=	9.3275
LONG CHORD	=	991.2132
MID. ORD.	=	9.3209
P.C. STATION	=	157+19.14
P.T. STATION	=	167+10.58
C.C. N	=	1,943,311.8204
BACK	=	S 73° 30' 14.06" E
AHEAD	=	S 69° 11' 38.92" E
CHORD BEAR	=	S 71° 20' 56.49" E

COURSE FROM PT IL72-EA-2 TO H103

POINT H103	N	1,955,529.9288	E	1,068,314.5160	STA	170+00.78
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BEGINNING CHAIN RAMP A

POINT RPA100	N	1,956,290.2233	E	1,065,955.2210	STA	50+00.00
--------------	---	----------------	---	----------------	-----	----------

COURSE FROM RPA100 TO PC RMPA-EA-1 S 6° 54' 27.44" W DIST 271.1502

CURVE RMPA-EA-1

P.I. STATION	=	55+01.81
DELTA	=	35° 42' 10.27" (LT)
DEGREE	=	8° 00' 00.01"
TANGENT	=	230.6550
LENGTH	=	446.2855
RADIUS	=	716.1970
EXTERNAL	=	36.2257
LONG CHORD	=	439.1000
MID. ORD.	=	34.4816
P.C. STATION	=	52+71.15
P.T. STATION	=	57+17.44
C.C. N	=	1,955,934.9050
BACK	=	S 6° 54' 27.44" W
AHEAD	=	S 28° 47' 42.83" E
CHORD BEAR	=	S 10° 56' 37.70" E

COURSE FROM PT RMPA-EA-1 TO RPA101 S 28° 47' 42.83" E DIST 282.5643

POINT RPA101	N	1,955,342.3024	E	1,066,142.0773	STA	60+00.00
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ENDING CHAIN RMPA-EA DESCRIPTION

EXIST. CURVE RMPA-EA-1

PI STA.	=	55+01.81
Δ	=	35° 42' 10" (LT)
D	=	8° 00' 00"
R	=	716.20'
T	=	230.65'
L	=	446.29'
E	=	36.23'
e	=	----
T.R.	=	----
S.E. RUN	=	----
P.C. STA.	=	52+71.15
P.T. STA.	=	57+17.44

EXIST. CURVE RMPB-EA-1

PI STA.	=	52+44.35
Δ	=	10° 32' 19" (LT)
D	=	6° 00' 00"
R	=	954.93'
T	=	88.07'
L	=	175.64'
E	=	4.05'
e	=	----
T.R.	=	----
S.E. RUN	=	----
P.C. STA.	=	51+56.28
P.T. STA.	=	53+31.92

FILE NAME = D:\6073-sht-Align01.dgn
 PLOT SCALE = 200.0000 / in.
 USER NAME = Millennium Professional Services

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DRAWN	-		REVISED	-
CHECKED	-	TVN	REVISED	-
DATE	-	12/21/2015	REVISED	-

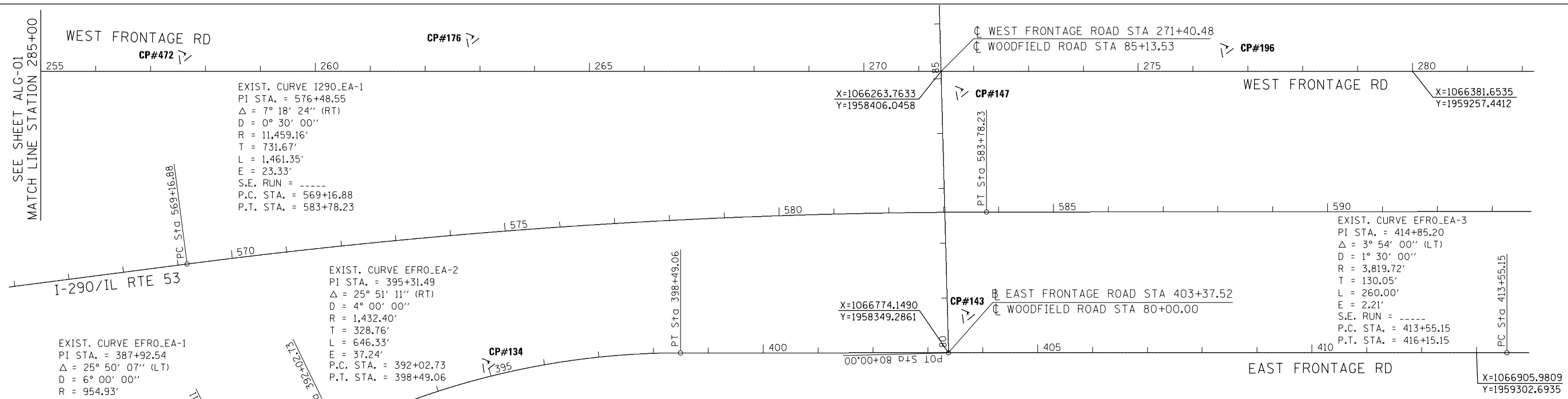
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
 ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1=100 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	15
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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EXIST. CURVE I290_EA-1
 PI STA. = 576+48.55
 $\Delta = 7^\circ 18' 24''$ (RT)
 $D = 0^\circ 30' 00''$
 $R = 11,459.16'$
 $T = 731.67'$
 $L = 1,461.35'$
 $E = 23.33'$
 S.E. RUN = -----
 P.C. STA. = 569+16.88
 P.T. STA. = 583+78.23

EXIST. CURVE EFRO_EA-1
 PI STA. = 387+92.54
 $\Delta = 25^\circ 50' 07''$ (LT)
 $D = 6^\circ 00' 00''$
 $R = 954.93'$
 $T = 219.02'$
 $L = 430.59'$
 $E = 24.79'$
 P.C. STA. = 385+73.53
 P.T. STA. = 390+04.11

EXIST. CURVE EFRO_EA-2
 PI STA. = 395+31.49
 $\Delta = 25^\circ 51' 11''$ (RT)
 $D = 4^\circ 00' 00''$
 $R = 1,432.40'$
 $T = 328.76'$
 $L = 646.33'$
 $E = 37.24'$
 P.C. STA. = 392+02.73
 P.T. STA. = 398+49.06

EXIST. CURVE EFRO_EA-3
 PI STA. = 414+85.20
 $\Delta = 3^\circ 54' 00''$ (LT)
 $D = 1^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 130.05'$
 $L = 260.00'$
 $E = 2.21'$
 S.E. RUN = -----
 P.C. STA. = 413+55.15
 P.T. STA. = 416+15.15

BEGINNING CHAIN EAST FRONTAGE ROAD
 POINT EFR200 N 1,956,044.7146 E 1,066,784.3067 STA 380+00.00

BEGINNING CHAIN MARTINGALE RD
 POINT MA200 N 1,955,813.0835 E 1,065,124.4332 STA 33+00.00
 COURSE FROM MA200 TO MA201 N 0° 17' 08.11" E DIST 700.0000
 POINT MA201 N 1,956,513.0748 E 1,065,127.9223 STA 40+00.00
 COURSE FROM MA201 TO MA202 N 0° 37' 22.03" E DIST 931.6261
 POINT MA202 N 1,957,444.6459 E 1,065,138.0486 STA 49+31.63
 COURSE FROM MA202 TO MA203 N 6° 48' 43.66" E DIST 164.2357
 POINT MA203 N 1,957,607.7222 E 1,065,157.5292 STA 50+95.86
 ENDING CHAIN MART_EA DESCRIPTION

CURVE EFRO_EA-1
 P.I. STATION = 387+92.54 N 1,956,829.8211 E 1,066,892.6192
 $\Delta = 25^\circ 50' 06.84''$ (LT)
 DEGREE = 5° 59' 59.99"
 TANGENT = 219.0172
 LENGTH = 430.5874
 RADIUS = 954.9300
 EXTERNAL = 24.7944
 LONG CHORD = 426.9488
 MID. ORD. = 24.1669
 P.C. STATION 385+73.53 N 1,956,612.8589 E 1,066,862.6873
 P.T. STATION 390+04.11 N 1,957,038.1421 E 1,066,825.0106
 BACK = N 7° 51' 17.58" E
 AHEAD = N 17° 58' 49.25" W

CURVE EFRO_EA-2
 P.I. STATION = 395+31.49 N 1,957,539.7668 E 1,066,662.2131
 $\Delta = 25^\circ 51' 10.71''$ (RT)
 DEGREE = 3° 59' 59.98"
 TANGENT = 328.7595
 LENGTH = 646.3250
 RADIUS = 1,432.3960
 EXTERNAL = 37.2438
 LONG CHORD = 640.8560
 MID. ORD. = 36.2999
 P.C. STATION 392+02.73 N 1,957,227.0632 E 1,066,763.6981
 P.T. STATION 398+49.06 N 1,957,865.4278 E 1,066,707.2437
 BACK = N 17° 58' 49.25" W
 AHEAD = N 7° 52' 21.45" E

CURVE EFRO_EA-3
 P.I. STATION = 414+85.20 N 1,959,486.1495 E 1,066,931.3482
 $\Delta = 3^\circ 54' 00.00''$ (LT)
 DEGREE = 1° 30' 00.00"
 TANGENT = 130.0503
 LENGTH = 260.0001
 RADIUS = 3,819.7200
 EXTERNAL = 2.2133
 LONG CHORD = 259.9499
 MID. ORD. = 2.2120
 P.C. STATION 413+55.15 N 1,959,357.3250 E 1,066,913.5351
 P.T. STATION 416+15.15 N 1,959,615.8873 E 1,066,940.3581
 BACK = N 7° 52' 21.45" E
 AHEAD = N 3° 58' 21.45" E

CURVE EFRO_EA-4
 P.I. STATION = 419+58.06 N 1,959,957.9764 E 1,066,964.1151
 $\Delta = 7^\circ 29' 30.50''$ (RT)
 DEGREE = 1° 05' 38.17"
 TANGENT = 342.9130
 LENGTH = 684.8486
 RADIUS = 5,237.5800
 EXTERNAL = 11.2135
 LONG CHORD = 684.3608
 MID. ORD. = 11.1896
 P.C. STATION 416+15.15 N 1,959,615.8873 E 1,066,940.3581
 P.T. STATION 423+00.00 N 1,960,294.0477 E 1,067,032.2723
 BACK = N 3° 58' 21.45" E
 AHEAD = N 11° 27' 51.96" E

BEGINNING CHAIN RAMP B
 POINT RPB200 N 1,955,061.0689 E 1,066,611.6452 STA 50+00.00
 COURSE FROM RPB200 TO PC RMPB_EA-1 N 18° 37' 13.82" E DIST 156.2782

CURVE RMPB_EA-1
 P.I. STATION 52+44.35 N 1,955,292.6267 E 1,066,689.6653
 $\Delta = 10^\circ 32' 19.04''$ (LT)
 DEGREE = 5° 59' 59.99"
 TANGENT = 88.0703
 LENGTH = 175.6438
 RADIUS = 954.9300
 EXTERNAL = 4.0526
 LONG CHORD = 175.3963
 MID. ORD. = 4.0355
 P.C. STATION 51+56.28 N 1,955,209.1665 E 1,066,661.5446
 P.T. STATION 53+31.92 N 1,955,379.8224 E 1,066,702.0469
 C.C. N 1,955,514.0742 E 1,065,756.6011
 BACK = N 18° 37' 13.82" E
 AHEAD = N 8° 04' 54.78" E
 CHORD BEAR = N 13° 21' 04.30" E

COURSE FROM PT RMPB_EA-1 TO RPB201 N 8° 04' 54.78" E DIST 668.0781
 POINT RPB201 N 1,956,041.2652 E 1,066,795.9708 STA 60+00.00
 ENDING CHAIN RMPB_EA DESCRIPTION

BEGINNING CHAIN WEST FRONTAGE ROAD
 POINT WFR200 N 1,956,285.7939 E 1,065,970.1781 STA 250+00.00
 COURSE FROM WFR200 TO WFR201 N 7° 53' 00.43" E DIST 3,900.0000
 POINT WFR201 N 1,960,148.9354 E 1,066,505.0961 STA 289+00.00
 ENDING CHAIN CHAIN WEST FRONTAGE ROAD

ENDING CHAIN EFRO_EA DESCRIPTION

FILE NAME = D:\6073-sht-A1\gr02.dgn
 PLOT SCALE = 200.0000 / 1"
 USER NAME = Millennium Professional Services

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

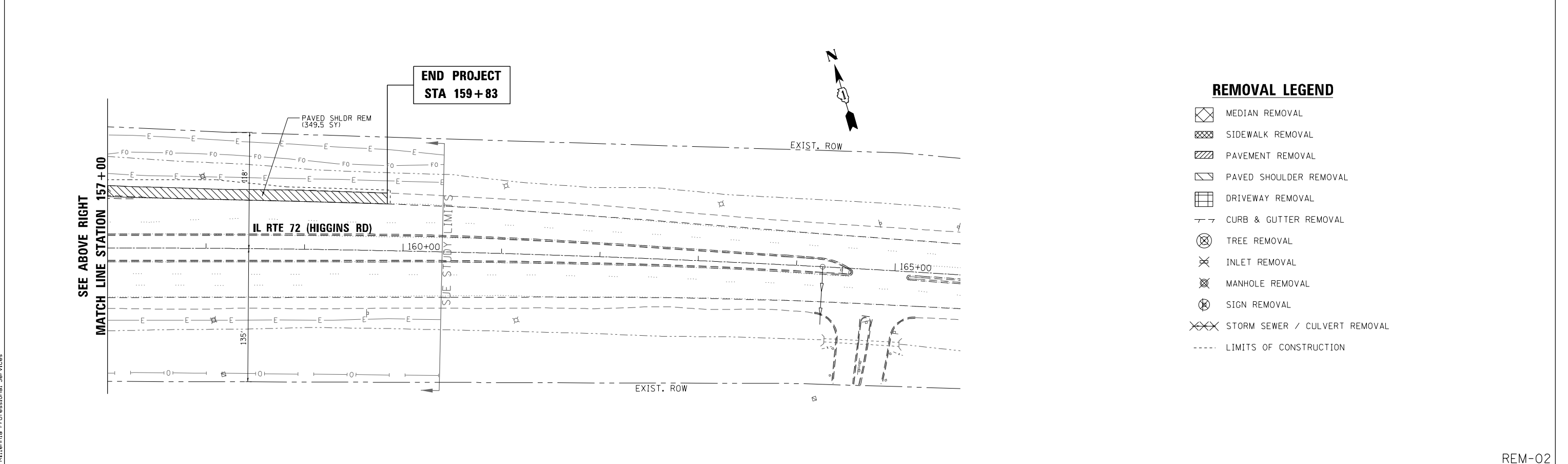
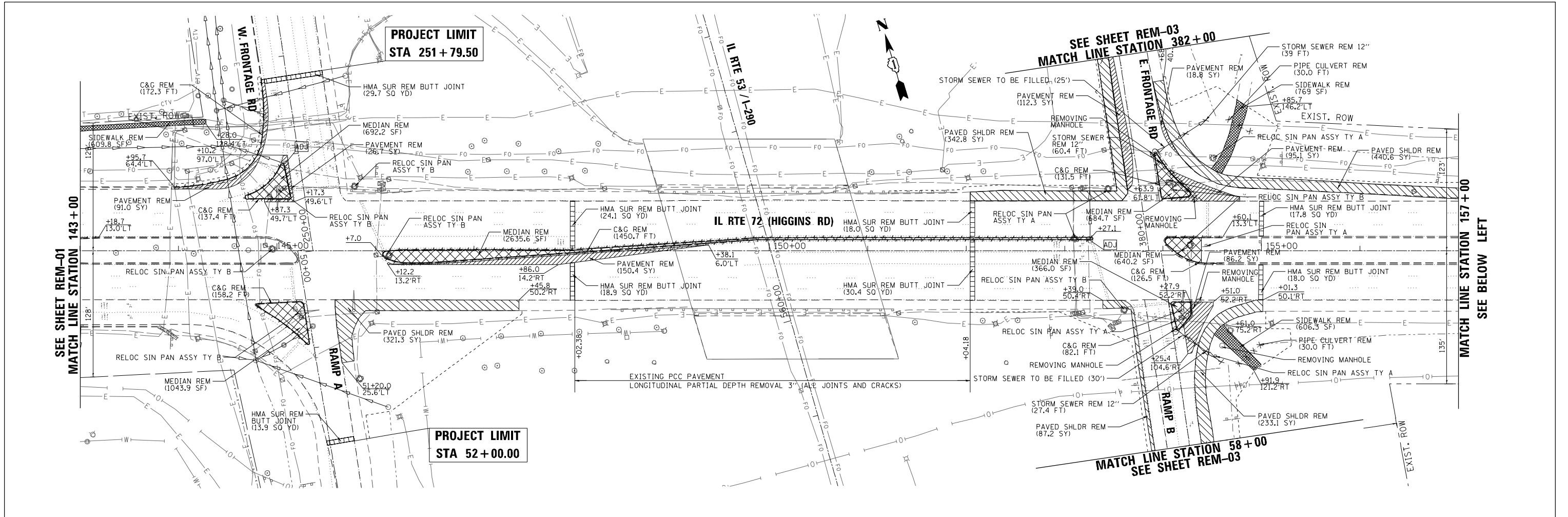
**IL RTE 72 (HIGGINS ROAD)
 ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1=100 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	16
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ALG-02

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REMOVAL LEGEND

- MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- DRIVEWAY REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL
- INLET REMOVAL
- MANHOLE REMOVAL
- SIGN REMOVAL
- STORM SEWER / CULVERT REMOVAL
- LIMITS OF CONSTRUCTION

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 PLOT SCALE = 1/80.00000 / in.
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 1/22/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)

REMOVAL PLAN

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

REM-02

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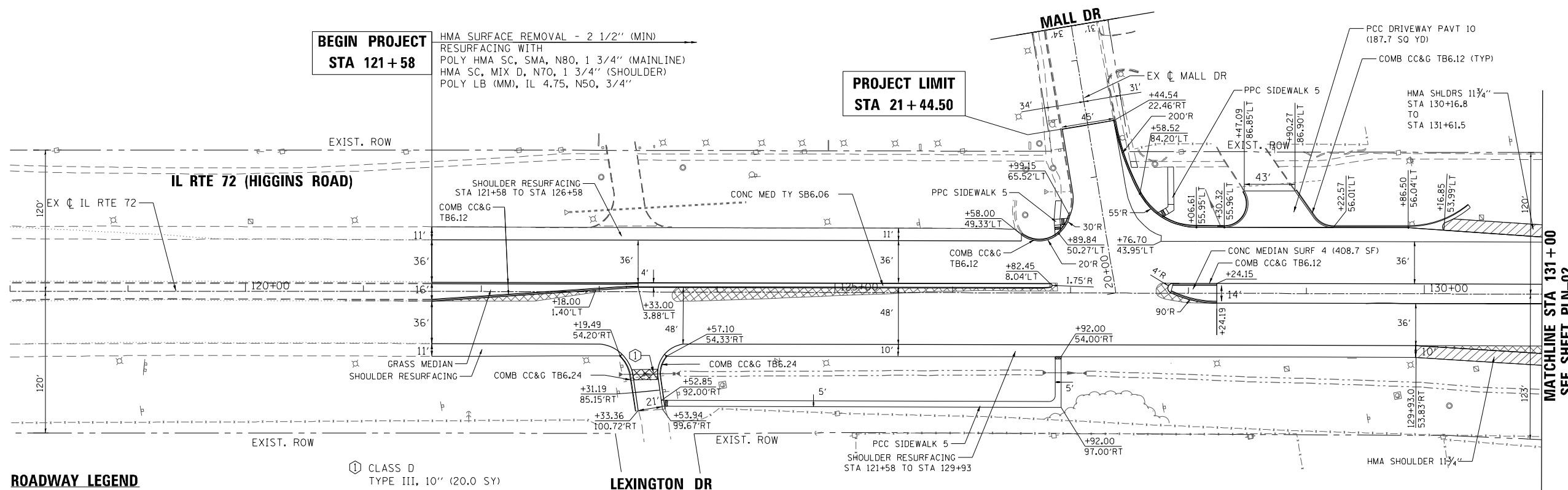
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NOTE BOOK	
PL. OF. NO. _____	
STRUCTURE NOTATIONS CHFD	

**BEGIN PROJECT
STA 121+58**

HMA SURFACE REMOVAL - 2 1/2" (MIN)
RESURFACING WITH
POLY HMA SC, SMA, N80, 1 3/4" (MAINLINE)
HMA SC, MIX D, N70, 1 3/4" (SHOULDER)
POLY LB (MM), IL 4.75, N50, 3/4"

**PROJECT LIMIT
STA 21+44.50**



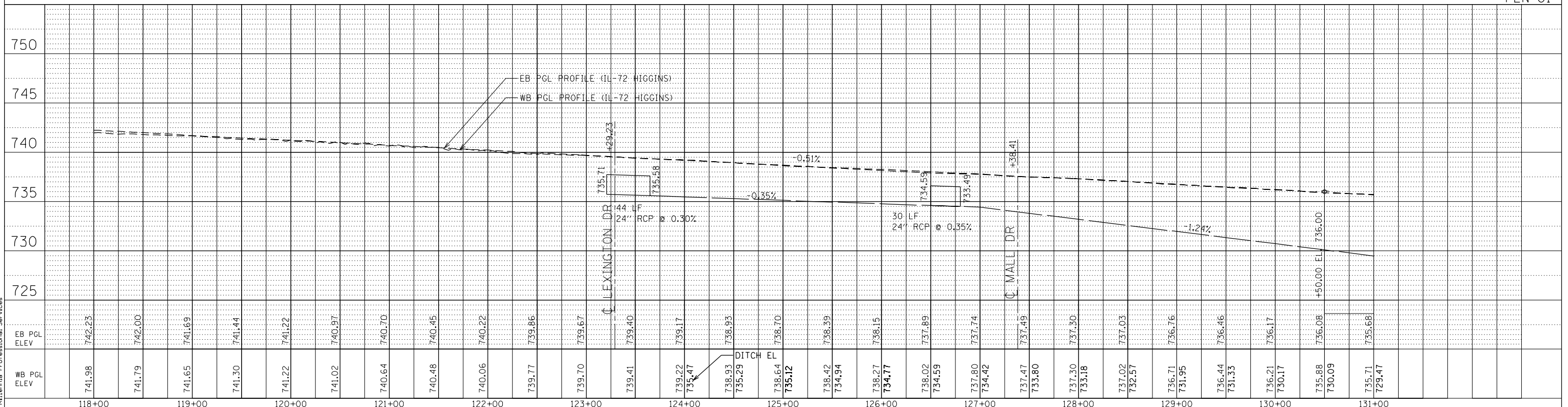
ROADWAY LEGEND

- PAVEMENT WIDENING
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL-9.5), 1 3/4"
POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 9 1/4" (SEE NOTE 1)
AGGREGATE SUBGRADE IMPROVEMENT 12"
- SHOULDERS
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 1 3/4"
POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 9 1/4" (SEE NOTE 1)
AGGREGATE SUBGRADE IMPROVEMENT 12"
- CLASS D
TYPE III, 10" (20.0 SY)

NOTES

1. PAVEMENT WIDENING OF 6 FEET OR LESS SHALL BE PAID UNDER PAY ITEM HMA BASE COURSE WIDENING (35600713)

PLN-01



FILE NAME = #FILES# / in.
PLOT SCALE = 100.0000
USER NAME = Millennia Professional Services

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DATE - 3/16/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

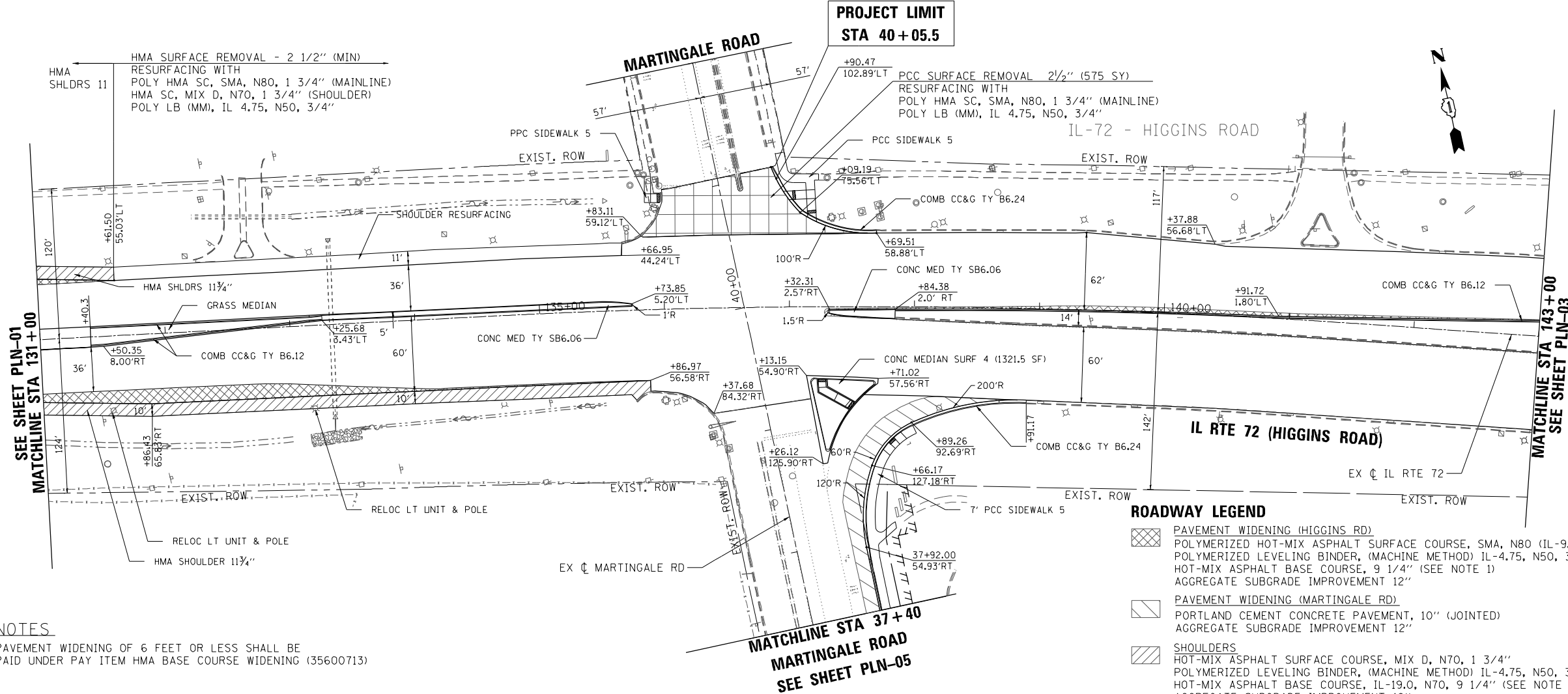
**PROPOSED PLAN & PROFILE
IL RTE 72 (HIGGINS ROAD)**
SCALE: 1=50 SHEET NO. 1 OF 4 SHEETS STA. 118+00 TO STA. 131+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302)ITS&N-3	COOK	153	20
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EXIST. CURVE IL72_EA-1
 PI STA. = 138+09.41
 $\Delta = 6^\circ 57' 54''$ (RT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 348.68'$
 $L = 696.50'$
 $E = 10.60'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 134+60.73
 P.T. STA. = 141+57.23

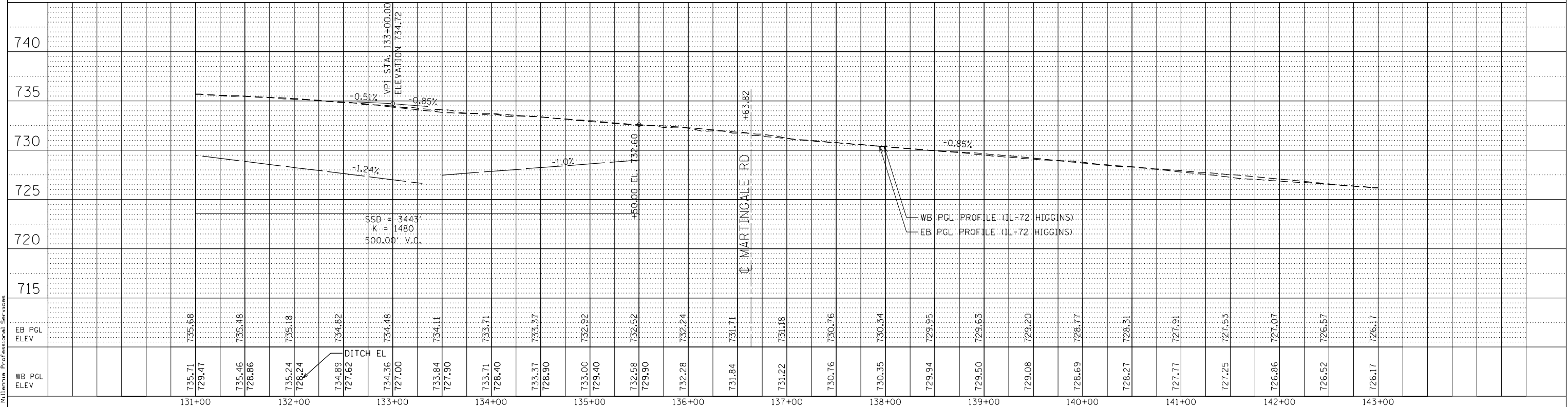
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PROFILE	
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NOTE BOOK	
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NOTES

1. PAVEMENT WIDENING OF 6 FEET OR LESS SHALL BE PAID UNDER PAY ITEM HMA BASE COURSE WIDENING (35600713)

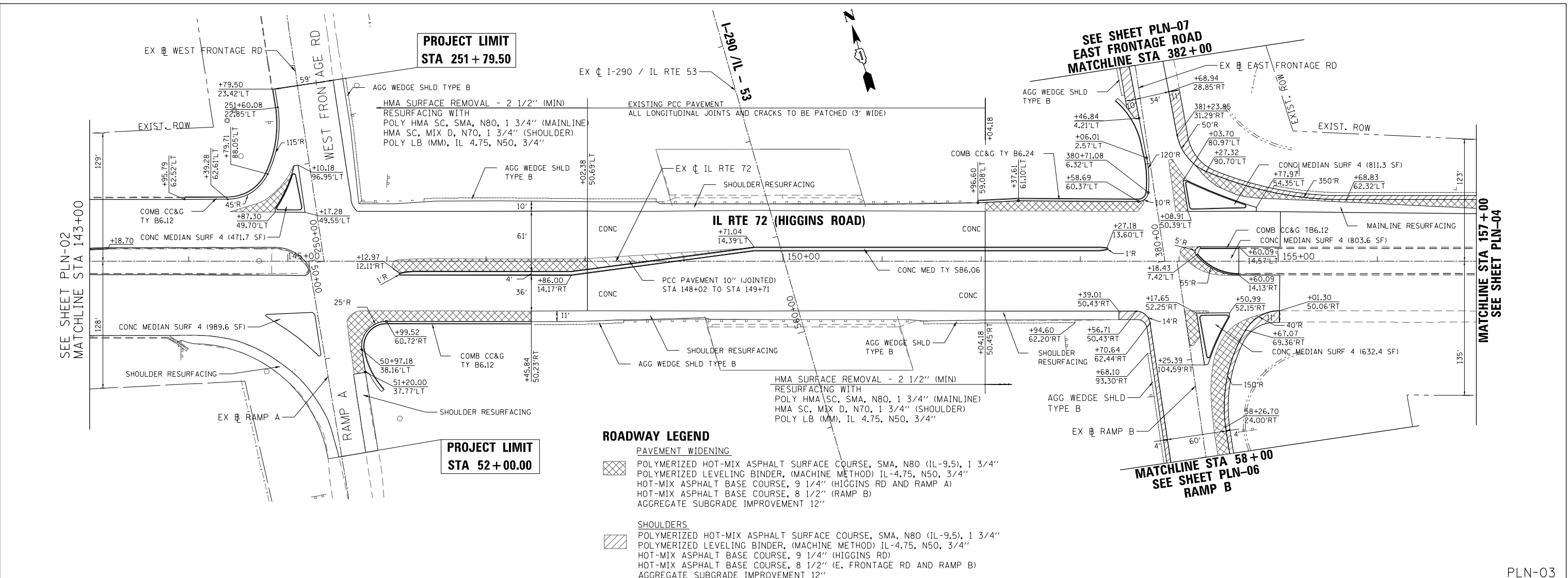


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 USER NAME = Millennium Professional Services

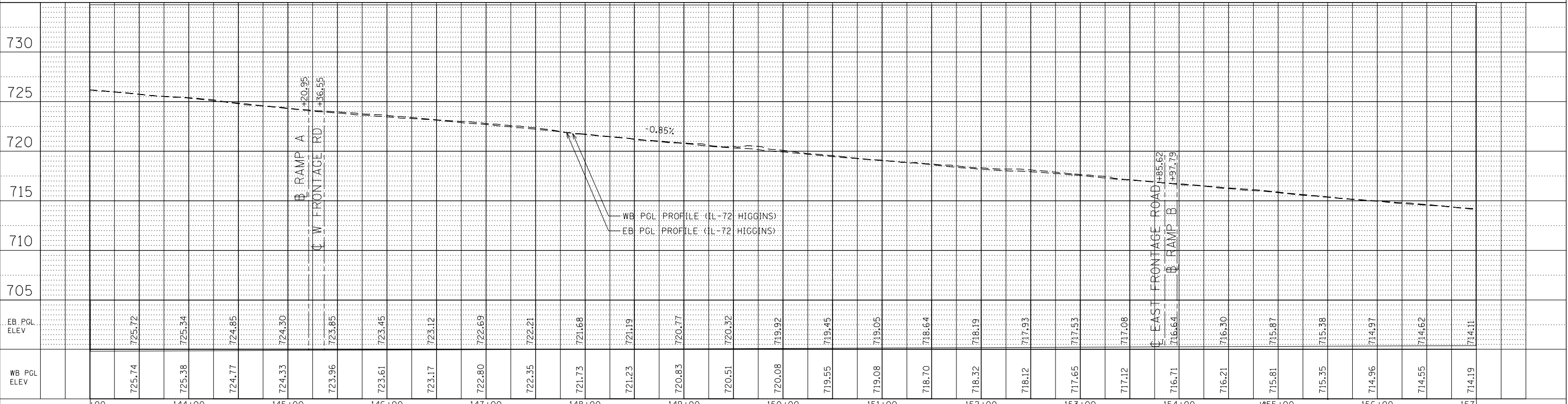
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- ROADWAY LEGEND**
- PAVEMENT WIDENING
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL-9.5), 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 9 1/4" (HIGGINS RD AND RAMP A)
 - HOT-MIX ASPHALT BASE COURSE, 8 1/2" (RAMP B)
 - AGGREGATE SUBGRADE IMPROVEMENT 12"
- SHOULDERS
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL-9.5), 1 3/4"
 - POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
 - HOT-MIX ASPHALT BASE COURSE, 9 1/4" (HIGGINS RD)
 - HOT-MIX ASPHALT BASE COURSE, 8 1/2" (E. FRONTAGE RD AND RAMP B)
 - AGGREGATE SUBGRADE IMPROVEMENT 12"



DESIGNED - TVN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PLAN & PROFILE IL RTE 72 (HIGGINS ROAD)		F.A.P. RTE. 341	SECTION (32-3-R&0305-302)ITS&N-3	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 22
DRAWN - JP	REVISED -		SCALE: 1:50		SHEET NO. 3 OF 4 SHEETS		STA. 143+00 TO STA. 157+00		CONTRACT NO. 60Y73
CHECKED - TVN	REVISED -		DATE - 3/16/2016		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

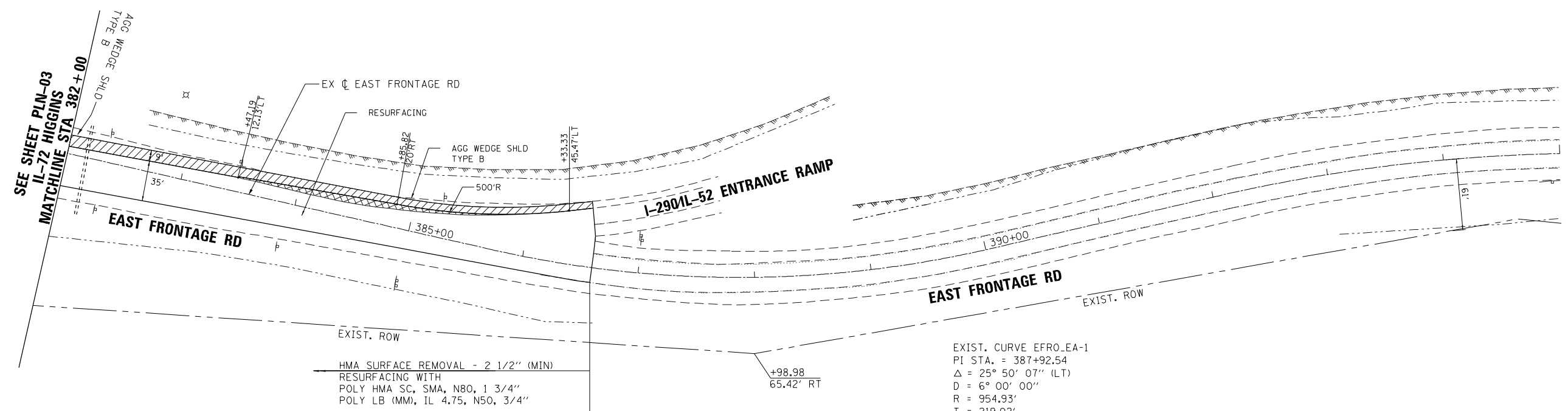
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PLN-03

DATE	
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FILE NAME = \$FILES\$ / in.
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 USER NAME = Millennia Professional Services

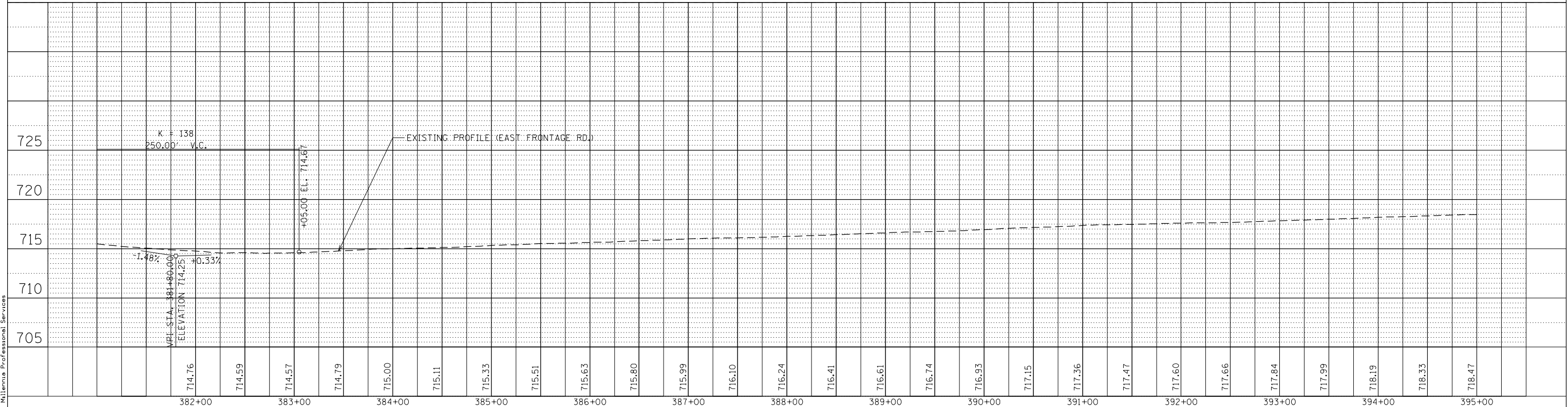


ROADWAY LEGEND

- PAVEMENT WIDENING (E. FRONTAGE RD)
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL-9.5), 1 3/4"
 POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
 HOT-MIX ASPHALT BASE COURSE, 8 1/2"
 AGGREGATE SUBGRADE IMPROVEMENT 12"
- SHOULDERS
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL-9.5), 1 3/4"
 POLYMERIZED LEVELING BINDER, (MACHINE METHOD) IL-4.75, N50, 3/4"
 HOT-MIX ASPHALT BASE COURSE, 8 1/2"
 AGGREGATE SUBGRADE IMPROVEMENT 12"

PROJECT LIMITS
STA 386+60

PLN-07



DESIGNED - TVN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PLAN & PROFILE EAST FRONTAGE ROAD		F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - JP	REVISED -		SCALE: 1=50	SHEET NO. 1 OF 2 SHEETS	341	(32-3-R&0305-302)ITS&N-3	COOK	153	26
CHECKED - TVN	REVISED -		STA. 382+00	TO STA. 395+00	CONTRACT NO. 60Y73				
DATE - 12/21/2015	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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MILLENNIA PROFESSIONAL SERVICES

MAINTENANCE OF TRAFFIC GENERAL NOTES

- ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT.
- A MINIMUM OF THREE LANES, ONE IN EACH DIRECTION, SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS. ANY LANE CLOSURES MUST BE APPROVED BY THE ENGINEER. THE MINIMUM LANE WIDTHS SHALL BE 11'-0".
- TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:
 $L = (W) \times (S)$
 WHERE EQUATION IS FOR SPEED LIMIT OF 45 MPH OR LESS. THE TAPER IS DEFINED AS FOLLOWS:
 $L =$ TAPER LENGTH IN FEET
 $W =$ WIDTH OF OFFSET IN FEET
 $S =$ POSTED SPEED IN MPH.
- THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 703 "WORK ZONE PAVEMENT MARKINGS" OF STANDARD SPECIFICATIONS AT ALL THE FOLLOWING LOCATIONS IN EACH OF THE VARIOUS STAGES OF CONSTRUCTION:
 4 IN WHITE EDGE LINE
 4 IN YELLOW EDGE LINE
- TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE PROJECT IN ACCORDANCE WITH THE DISTRICT ONE C.A.D.D. DETAIL FOR "RAISED REFLECTIVE PAVEMENT MARKERS" OR AS DIRECTED BY THE ENGINEER.
- UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH AS, "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)".

- THE CONTRACTOR SHALL PLACE "DRIVEWAY ENTRANCE" SIGNS AT EVERY COMMERCIAL ENTRANCE WITHIN THE PROJECT LIMITS WHERE ENTRANCE IS OBSTRUCTED DUE TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION
- BI-DIRECTIONAL DRUMS WITH STEADY BURNING LIGHTS SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FEET CENTER TO CENTER ON TANGENT, AND 25 FEET CENTER TO CENTER ON TAPERS AND CURVES.
- THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH, "CHANGEABLE MESSAGE SIGN".
- ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- POSITIVE DRAINAGE WITHIN THE WORK ZONE MUST BE MAINTAINED AT ALL TIMES. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY INLETS, OUTLETS, AND CONNECTIONS FOR ALL EXISTING AND PROPOSED FACILITIES INCLUDING TEMPORARY PUMPING IF NECESSARY. TEMPORARY ACCOMMODATIONS SHALL BE MAINTAINED UNTIL SUCH TIME AS THE PERMANENT FACILITIES ARE IN SERVICE. THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS (TEMPORARY OR PERMANENT USED AS TEMPORARY) TO COMPLY WITH THIS REQUIREMENT WILL NOT BE PAID FOR DIRECTLY, BUT THE COST SHALL BE CONSIDERED INCLUDED IN THE PROPOSED ITEMS OF WORK IN THE CONTRACT.

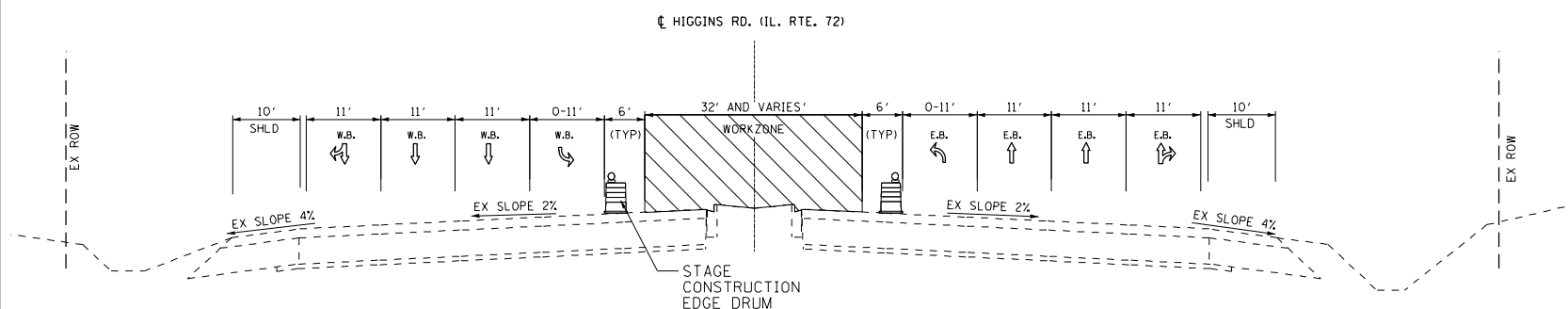
SUGGESTED CONSTRUCTION STAGING

PRE-STAGE I
 INSTALL SIGNING THAT WILL BE USED DURING STAGED CONSTRUCTION. COVER SIGNS THAT ARE NOT APPLICABLE TO THE PRE-STAGE CONDITION. INSTALL TEMPORARY EROSION CONTROL ACCORDING TO PLANS REMOVE EXISTING RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH STAGE CONSTRUCTION. UTILIZE STATE STANDARDS 701006, 701011, 701301, 701326 AND 701901 FOR TRAFFIC CONTROL AND PROTECTION.

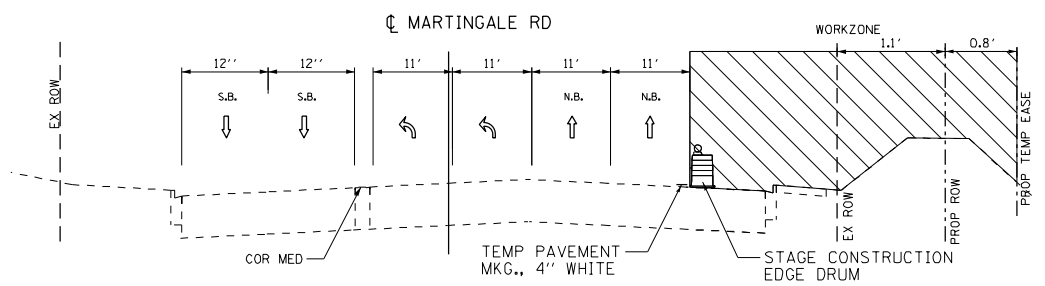
STAGE I
 MAINTAIN THREE LANES OF THROUGH TRAFFIC IN EACH DIRECTION KEEP RAMP B AND MARTINGALE ROAD OPEN TO TRAFFIC USE STAGE CONSTRUCTION EDGE DRUM TO PROTECT TRAFFIC FROM WORK ZONE REMOVE EXISTING MEDIAN ALONG IL ROUTE 72 AT LOCATION SHOWN ON PLANS REMOVE AND REPLACE NEW MEDIAN/CURB AND GUTTER

STAGE II
 USE STAGE CONSTRUCTION EDGE DRUM TO PROTECT TRAFFIC FROM WORK ZONE CONSTRUCT RIGHT TURN LANE PAVEMENT AT MARTINGALE ROAD, EAST FRONTAGE ROAD (RAMP B) NEW CURB AND GUTTER ALONG MARTINGALE ROAD AND EAST FRONTAGE ROAD (RAMP B)

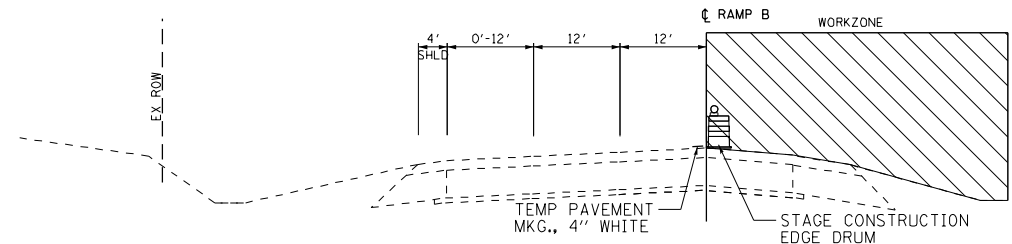
STAGE II -SUB STAGE 1
 USE STAGE CONSTRUCTION EDGE DRUM TO PROTECT TRAFFIC FROM WORK ZONE REMOVE RIGHT TURN LANE ISLANDS AT MARTINGALE ROAD, WEST & EAST FRONTAGE ROAD CONSTRUCT ISLANDS NEW RIGHT TURN LANE ISLANDS



STAGE I
 IL ROUTE 72 (HIGGINS ROAD)



STAGE II
 MARTINGALE ROAD



STAGE II
 RAMP B

FILE NAME = D:\6073-sh1-Stage00.Notes.dgn
 PLOT SCALE = 2.0000 / 1" = 100'
 USER NAME = Millennium Professional Services



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DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED CONSTRUCTION STAGING,
 TRAFFIC CONTROL & GENERAL NOTES**

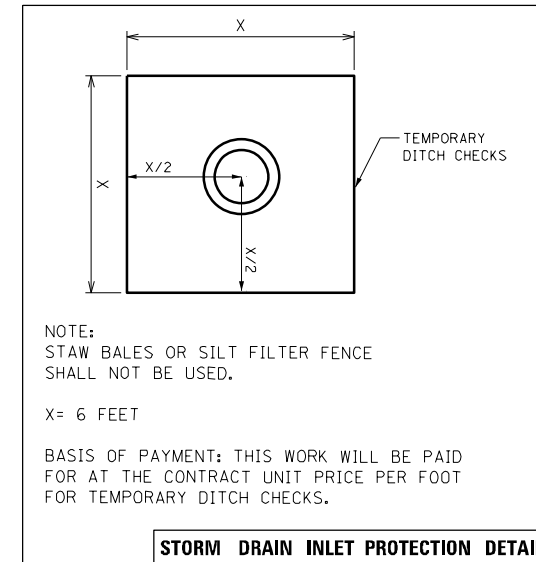
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	27
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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NOTES:

1. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR THE START OF CONSTRUCTION OPERATIONS WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.
2. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001.
3. WEEKLY SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. THE CONTRACTOR SHALL IMMEDIATELY PLACE AND MAINTAIN TEMPORARY EROSION CONTROL SEEDING AT ALL ERODIBLE/BARE AREAS IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL PLACE PERIMETER EROSION BARRIER AROUND ALL EARTH STOCKPILES.
5. EROSION CONTROL MEASURES PLACED DURING STAGE 1, STAGE 2, AND STAGE 3 SHALL REMAIN IN PLACE AND MAINTAINED UNTIL NO LONGER REQUIRED.
6. INLET FILTERS SHALL BE PLACED AT ALL INLETS WITHIN PROJECT LIMITS DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL PREPARE DEWATERING PLANS TO BE REVIEWED AND ACCEPTED BY IDOT'S RE PRIOR TO CONTRACTOR CONDUCTING ANY DEWATERING WORK. LACK OF AN ACCEPTED PLAN OR FAILURE TO COMPLY WITH IT WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
8. THE CONTRACTOR SHALL PREPARE A PLAN FOR MAINTAINING A STABILIZED FLOW LINE DURING STORM SEWER CONSTRUCTION, TO BE REVIEWED AND ACCEPTED BY IDOT'S RE PRIOR TO CONTRACTOR CONDUCTING ANY STORM WORK. LACK OF AN ACCEPTED PLAN OR FAILURE TO COMPLY WITH IT WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
9. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE.
[HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
10. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
11. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO 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 CONSIDERED AS INCIDENTAL.
12. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
13. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
14. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.
15. THE CONTRACTOR SHALL PLACE A TEMPORARY FENCE TO PROTECT THE STRUCTURE AT THE SOUTHEAST QUADRANT OF MARTINGALE ROAD AND IL ROUTE 72. THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN WORKING NEAR THIS AREA.



LEGEND:

	TEMPORARY DITCH CHECKS ROLLED EXCELSIOR SPACED 100' (TYP), UNLESS NOTED OTHERWISE ON THE PLANS (280001)
	PERIMETER EROSION BARRIER (SEE STD 280001)
	STORM DRAIN INLET PROTECTION (SEE DETAIL) TEMPORARY DITCH CHECK (28000305) TEMPORARY EROSION CONTROL SEEDING (28000250) OR INLET FILTERS IN PAVED AREAS (28000510)
	TEMPORARY FENCE (2101000)
	TEMPORARY EROSION CONTROL BLANKET (28001100)
	FLOWLINE FOR PROPOSED DITCH
	TREE REMOVAL (SEE REMOVAL PLAN)

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 PLOT SCALE = 2.0000 / 1"
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
 EROSION AND SEDIMENT CONTROL GENERAL NOTES**

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	








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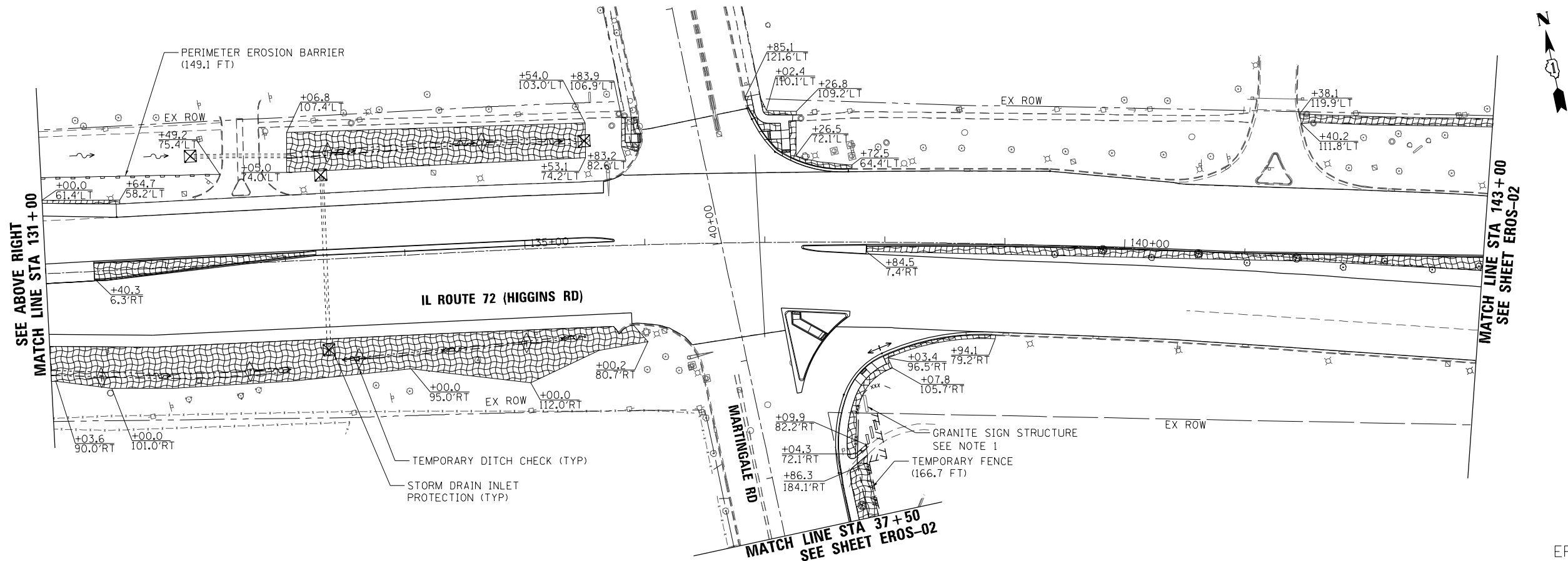
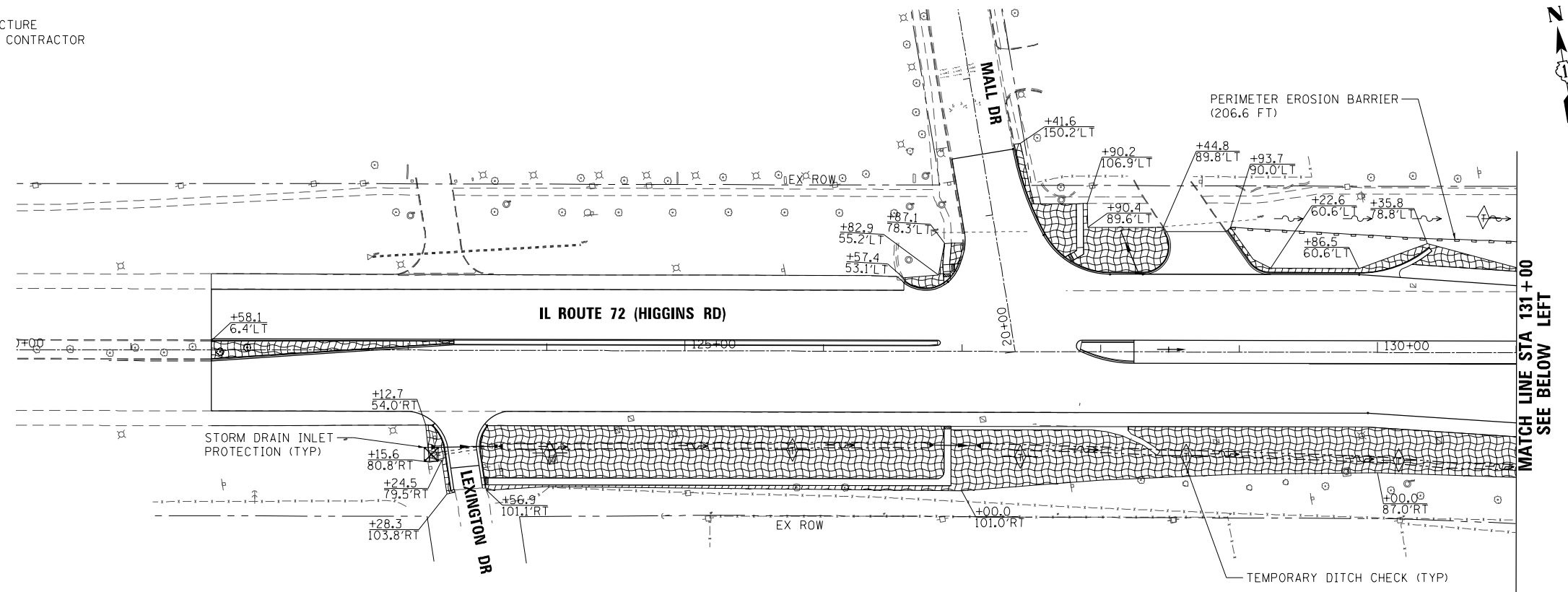
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NOTES

1. THE CONTRACTOR SHALL PLACE A TEMPORARY FENCE TO PROTECT THE STRUCTURE AT THE SOUTHEAST QUADRANT OF MARTINGALE ROAD AND IL ROUTE 72. THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN WORKING NEAR THIS AREA.

LEGEND:

-  TEMPORARY DITCH CHECKS
ROLLED EXCELSIOR SPACED
100' (TYP), UNLESS NOTED OTHERWISE
ON THE PLANS (280001)
-  PERIMETER EROSION BARRIER (SEE STD 280001)
-  STORM DRAIN INLET PROTECTION (SEE DETAIL)
TEMPORARY DITCH CHECK (28000305)
TEMPORARY EROSION CONTROL SEEDING (28000250)
OR INLET FILTERS IN PAVED AREAS (28000510)
-  XXX TEMPORARY FENCE (2101000)
-  TEMPORARY EROSION CONTROL BLANKET (28001100)
-  FLOWLINE FOR PROPOSED DITCH
-  TREE REMOVAL (SEE REMOVAL PLAN)



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 USER NAME = Millennia Professional Services



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DRAWN -	JP	REVISED -	
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DATE -	12/21/2015	REVISED -	

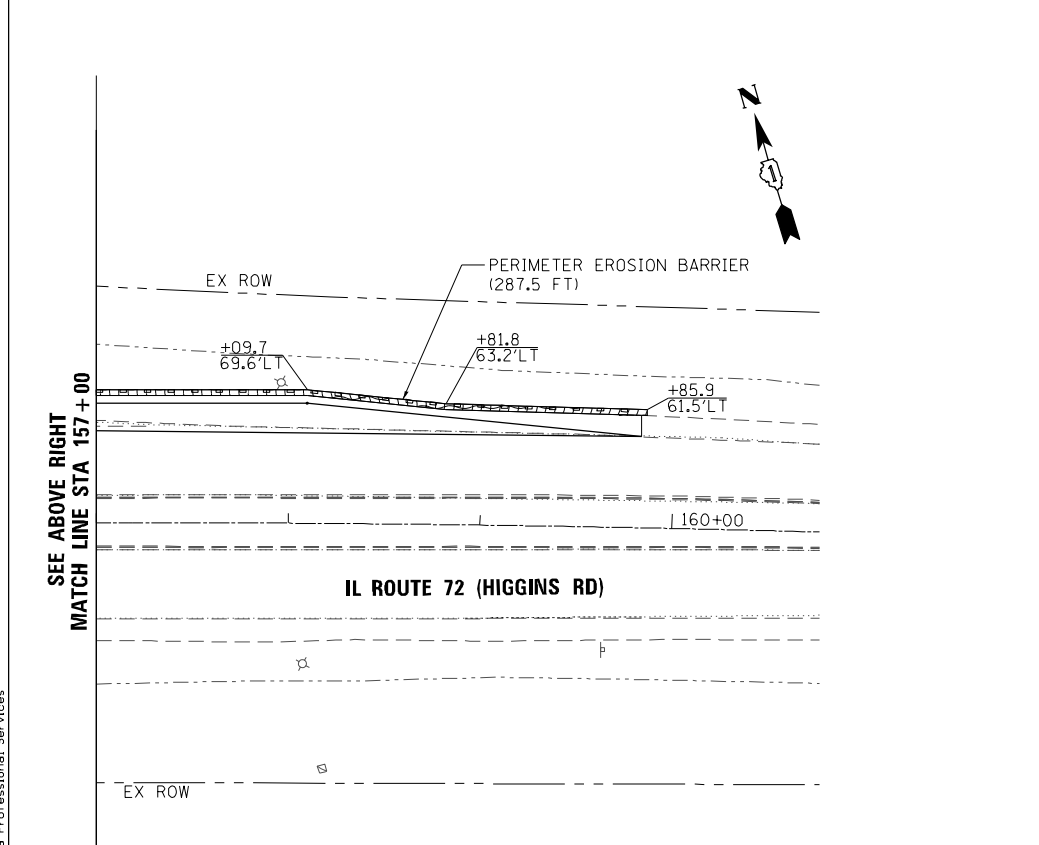
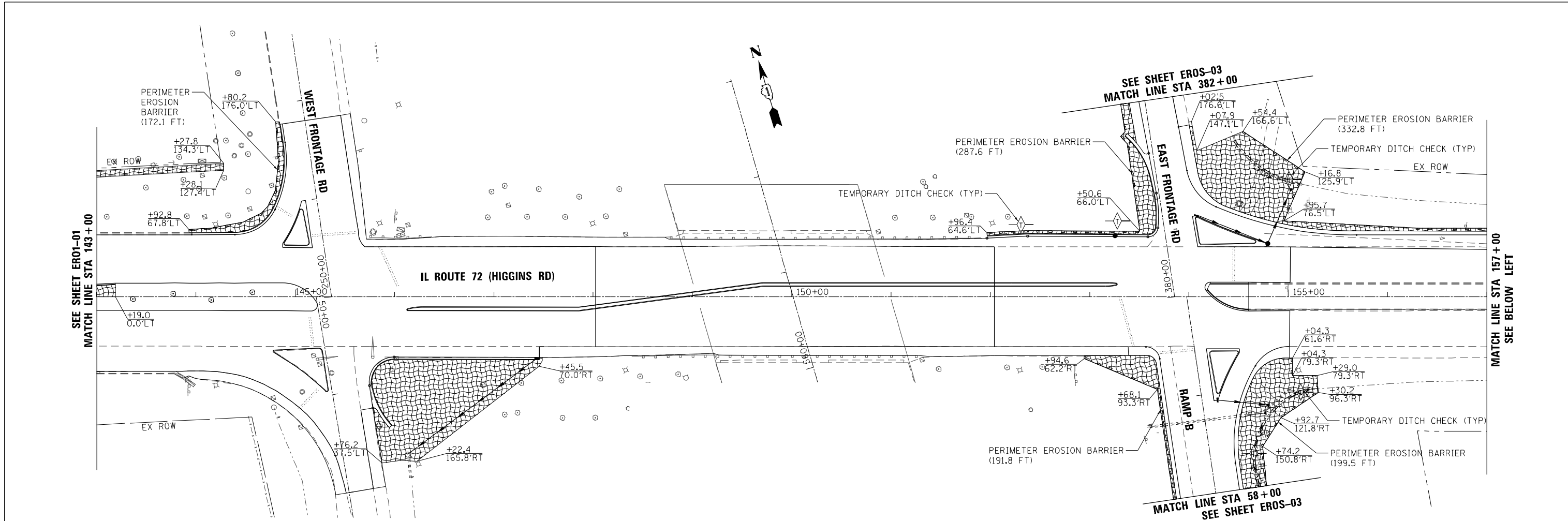
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS ROAD)			
SEDIMENT AND EROSION CONTROL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302)KTS&N-3	COOK	153	29
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO.				60Y73

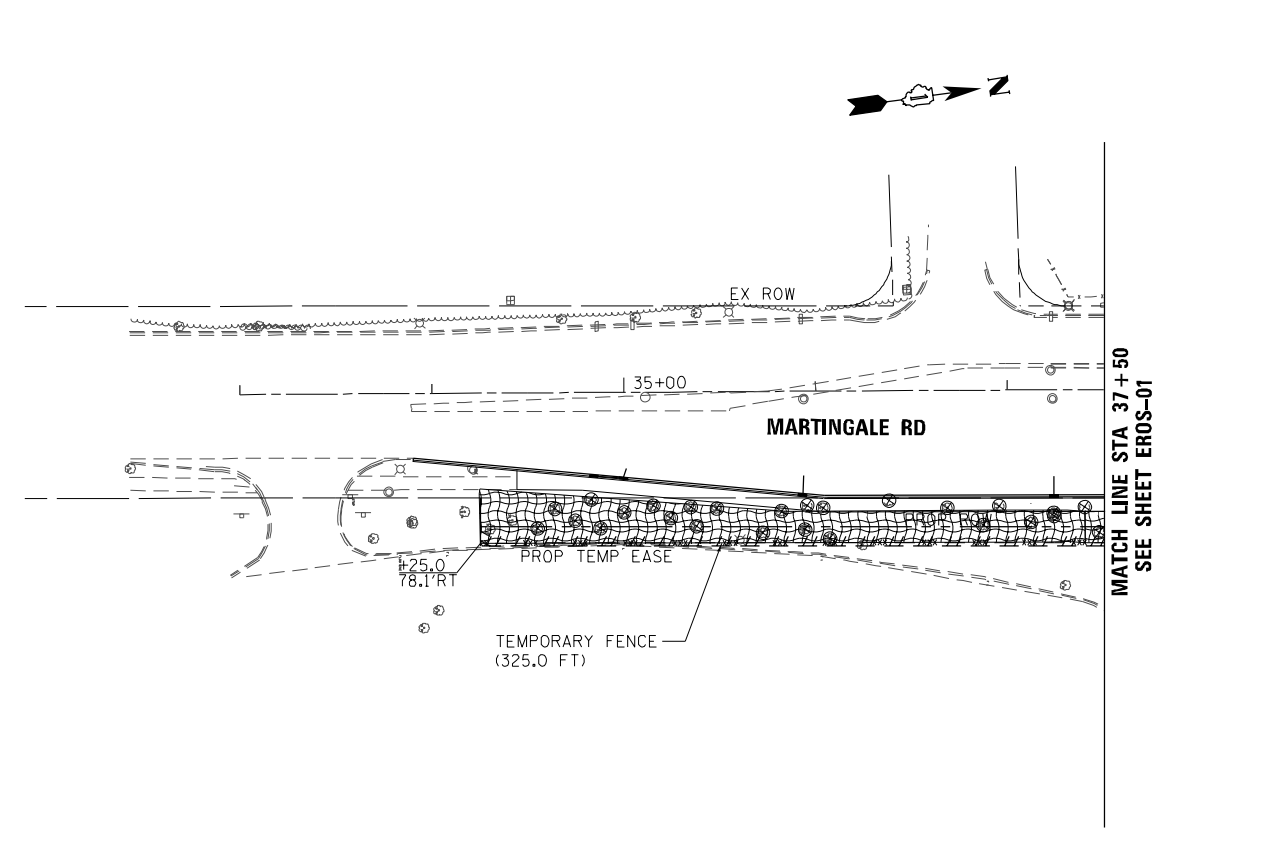
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LEGEND:

- TEMPORARY DITCH CHECKS
ROLLED EXCELSIOR SPACED
100' (TYP), UNLESS NOTED OTHERWISE
ON THE PLANS (280001)
- PERIMETER EROSION BARRIER (SEE STD 280001)
- STORM DRAIN INLET PROTECTION (SEE DETAIL)
- TEMPORARY DITCH CHECK (28000305)
TEMPORARY EROSION CONTROL SEEDING (28000250)
OR INLET FILTERS IN PAVED AREAS (28000510)
- XXX TEMPORARY FENCE (2101000)
- TEMPORARY EROSION CONTROL BLANKET (28001100)
- FLOWLINE FOR PROPOSED DITCH
- TREE REMOVAL (SEE REMOVAL PLAN)



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 PLOT SCALE = 100.0000 / in.
 USER NAME = Millennia Professional Services

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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

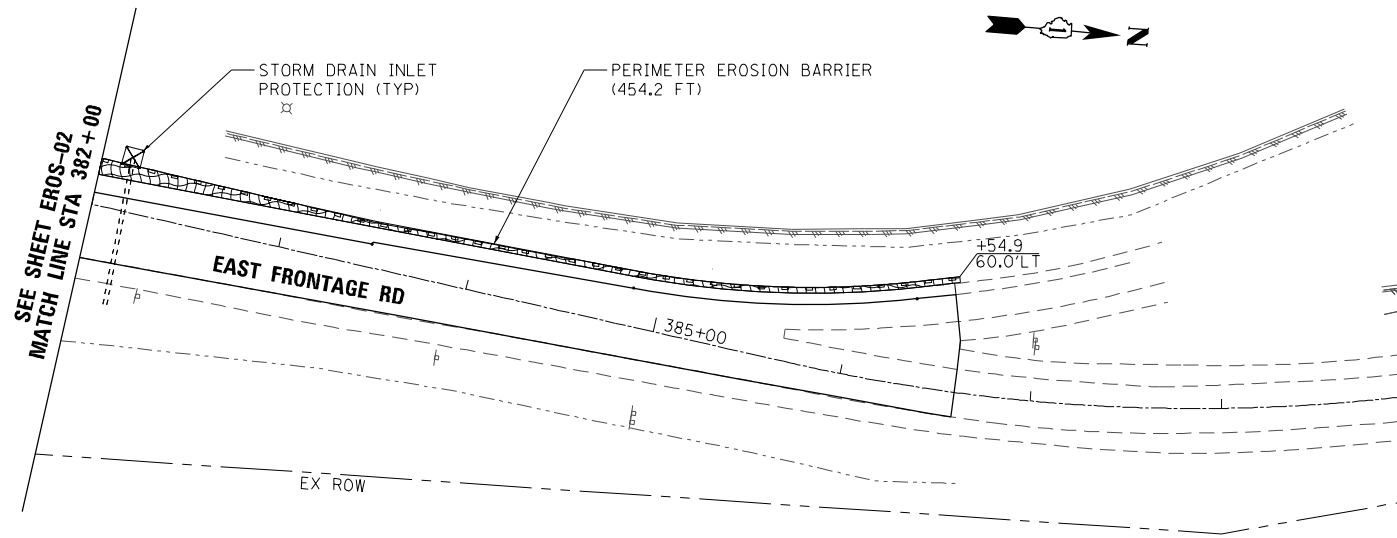
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS ROAD)			
SEDIMENT AND EROSION CONTROL PLAN			
SCALE: -	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	30
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

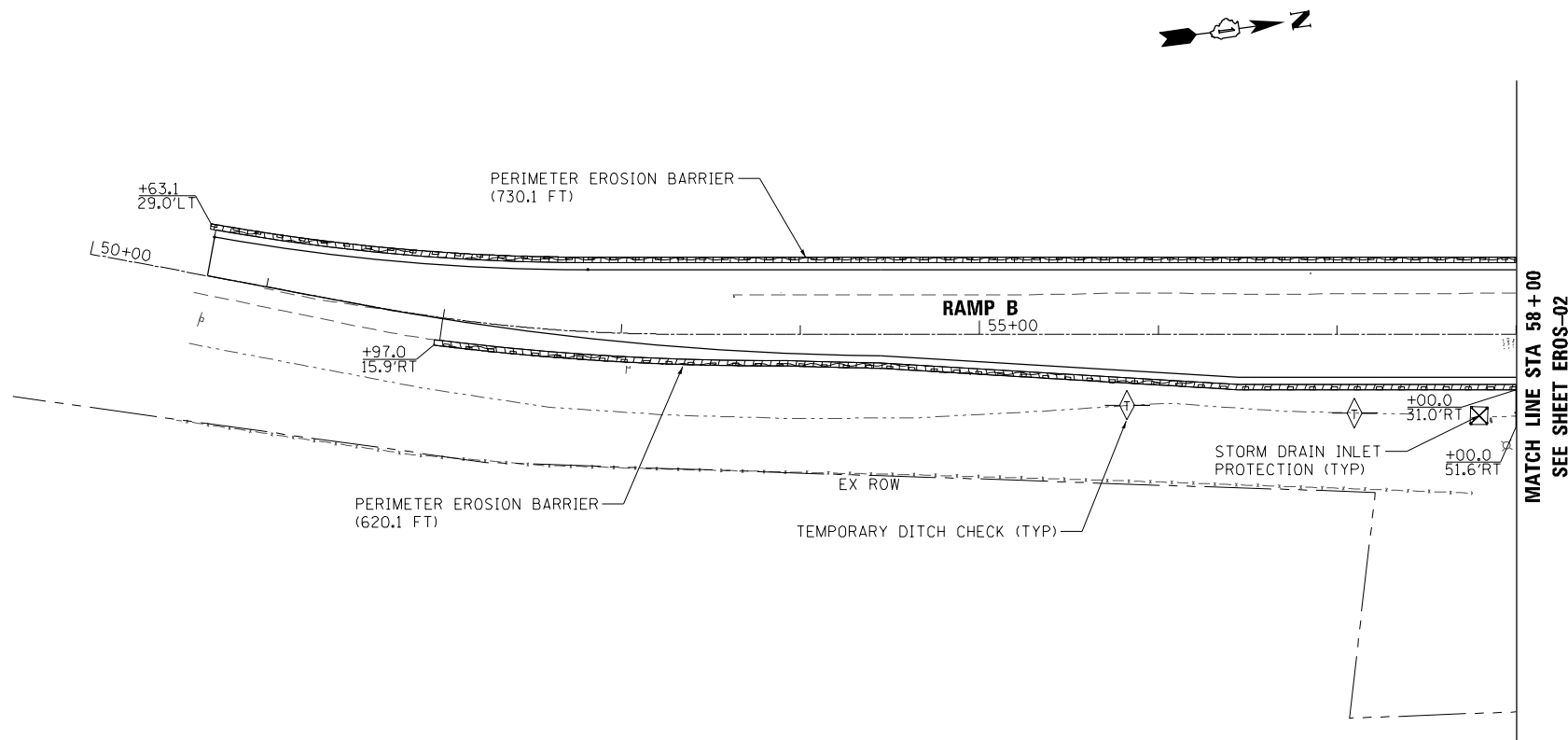
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LEGEND:

- ◆ TEMPORARY DITCH CHECKS
ROLLED EXCELSIOR SPACED
100' (TYP), UNLESS NOTED OTHERWISE
ON THE PLANS (280001)
- ◆ PERIMETER EROSION BARRIER (SEE STD 280001)
- ◆ STORM DRAIN INLET PROTECTION (SEE DETAIL)
TEMPORARY DITCH CHECK (28000305)
TEMPORARY EROSION CONTROL SEEDING (28000250)
OR INLET FILTERS IN PAVED AREAS (28000510)
- XXX— TEMPORARY FENCE (2101000)
- ▨ TEMPORARY EROSION CONTROL BLANKET (28001100)
- ~ FLOWLINE FOR PROPOSED DITCH
- ⊗ TREE REMOVAL (SEE REMOVAL PLAN)



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 USER NAME = Millennia Professional Services



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 (HIGGINS ROAD)
 SEDIMENT AND EROSION CONTROL PLAN**

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

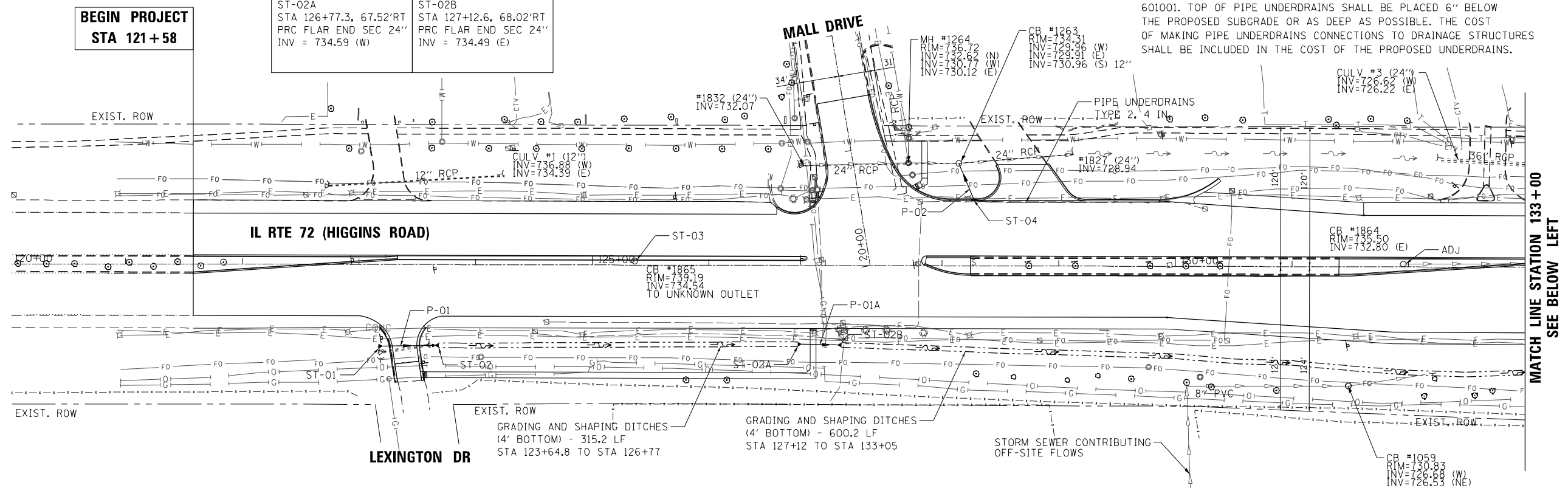
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341	(32-3-R&0305-302)ITS&N-3	COOK	153	31
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROS-03

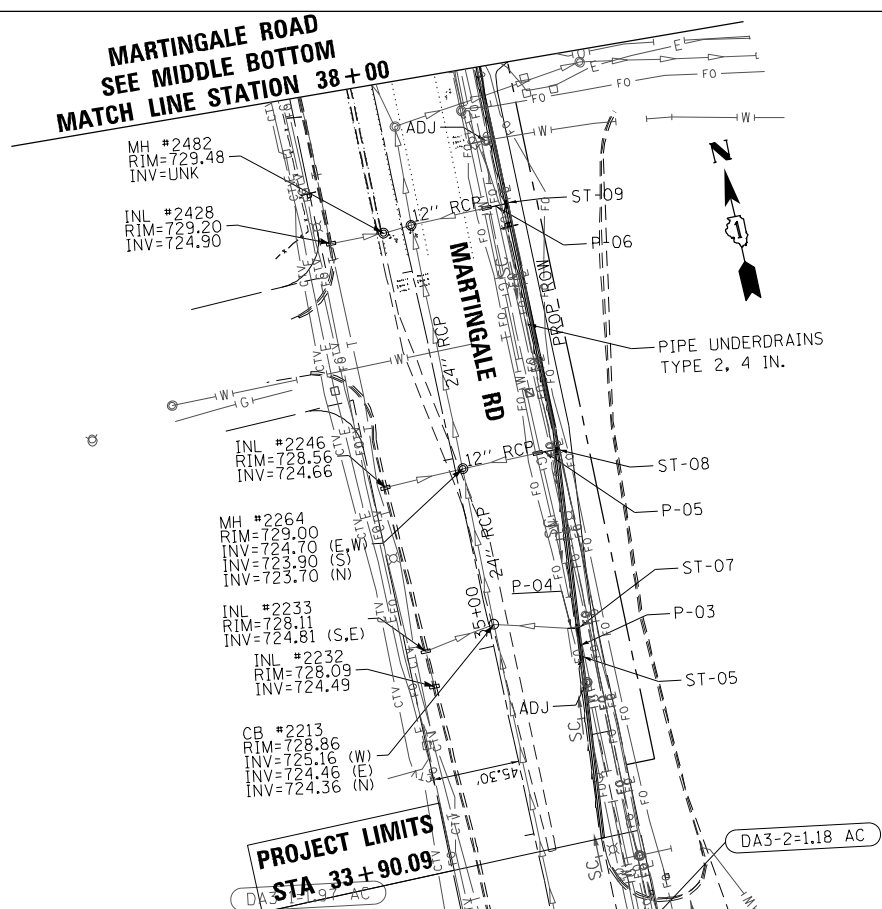
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P-01 44 LF PIPE CULVERTS, CLASS A, TYPE 1 24" TB = 4.5 CY	P-01A 30 LF PIPE CULVERTS, CLASS A, TYPE 1 24" TB = 3.5 CY	P-02 35 LF - 12" STORM SEW CL A, TY-1 TO EX CB TB = 0.9 CY	ST-01 STA 123+18.2, 70.03'RT PRC FLAR END SEC 24" INV = 735.71 (E)	ST-02 STA 123+67.1, 69.23'RT PRC FLAR END SEC 24" INV = 735.58 (W)	ST-03 STA 120+36.5, 3.45' RT CB ADJUST W/NEW TIF CL RIM = 738.56 INV = 734.54	ST-04 STA 128+27.37, 56' LT 4' DIA., CB TY A W/TY-24 F&G RIM = 736.05 INV = 732.05 (N)
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- NOTES:**
- LONGITUDINAL PIPE UNDERDRAINS BE INSTALLED UNDERNEATH THE EDGE OF ALL WIDENED PAVEMENT AREA. THE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO STANDARD 601001-05.
 - PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE PROPOSED SUBGRADE OR AS DEEP AS POSSIBLE. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED UNDERDRAINS.

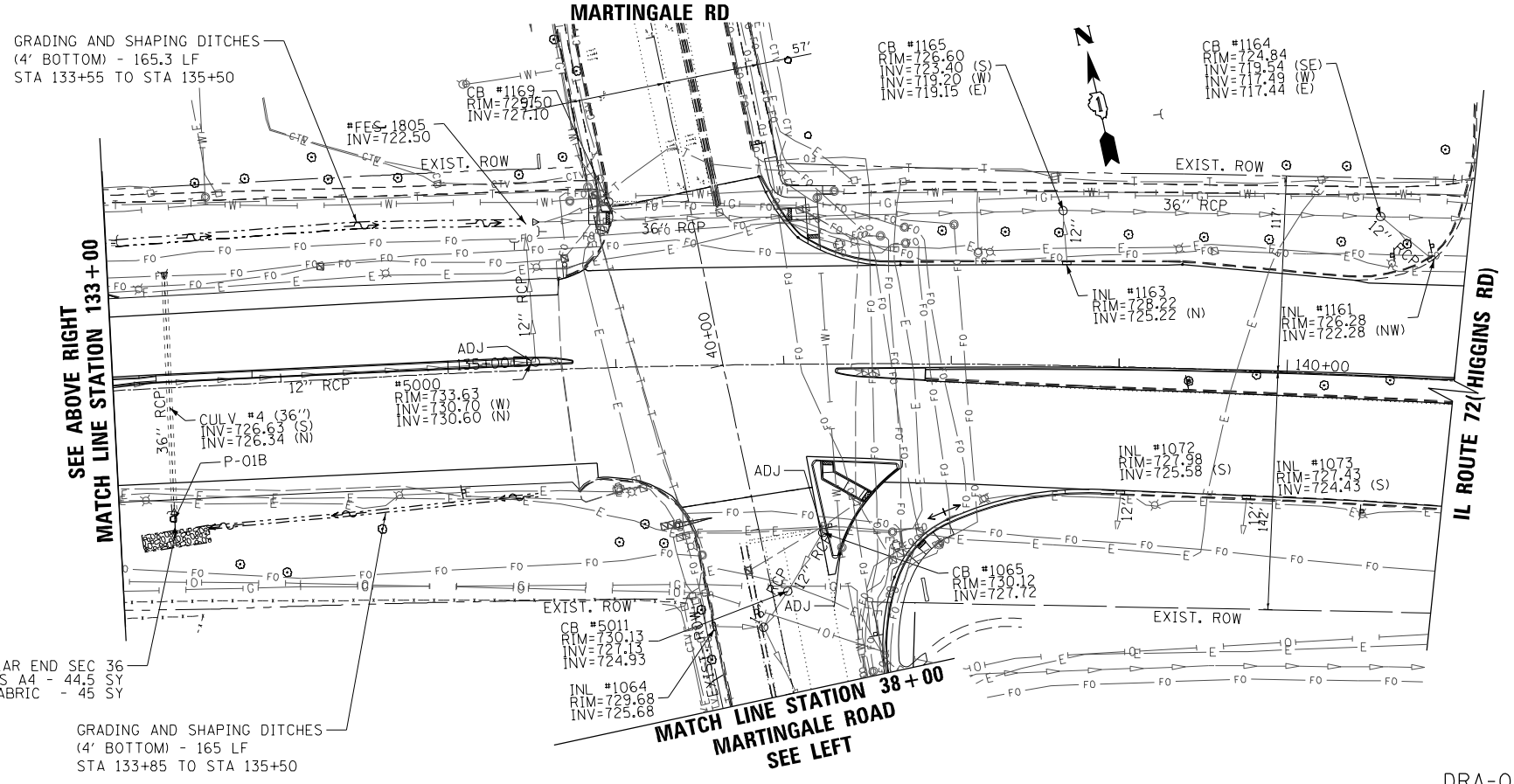


P-03 16 LF - 12" STORM SEW CL A, TY-1 TB = 2.4 CY	P-04 6 LF - 12" STORM SEW CL A, TY-1 EXTEND TO EX STORM SEW TB = 1.0 CY	P-05 11 LF - 12" STORM SEW CL A, TY-1 EXTEND TO EX STORM SEW TB = 2.8 CY	P-06 12 LF - 12" STORM SEW CL A, TY-1 EXTEND TO EX STORM SEW TB = 2.1 CY
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ST-09 STA 37+24.16, 54.72'RT 2' INLET TY A W/TY-24 F&G RIM = 728.65 INV = 724.88 (W) 12"	ST-08 STA 35+93.21, 53.30'RT 2' INLET TY A W/TY-24 F&G RIM = 728.17 INV = 724.20 (W) 12"	ST-07 STA 34+99.50, 44.50'RT 4' DIA, CB TY A W/TY-24 F&G RIM = 727.85 INV = 724.75 (S) 12" INV = 724.65 (W) 12"	ST-05 STA 34+85.30, 42.50'RT 2' INLET TY A W/TY-24 F&G RIM = 728.00 INV = 725.00 (N) 12"
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P-01B 10 LF 36" STORM SEWER, CL A, TY-1 @ 0.50% MIN EXTEND EXISTING 36" TB = 1.5 CY



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DATE - 3/16/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

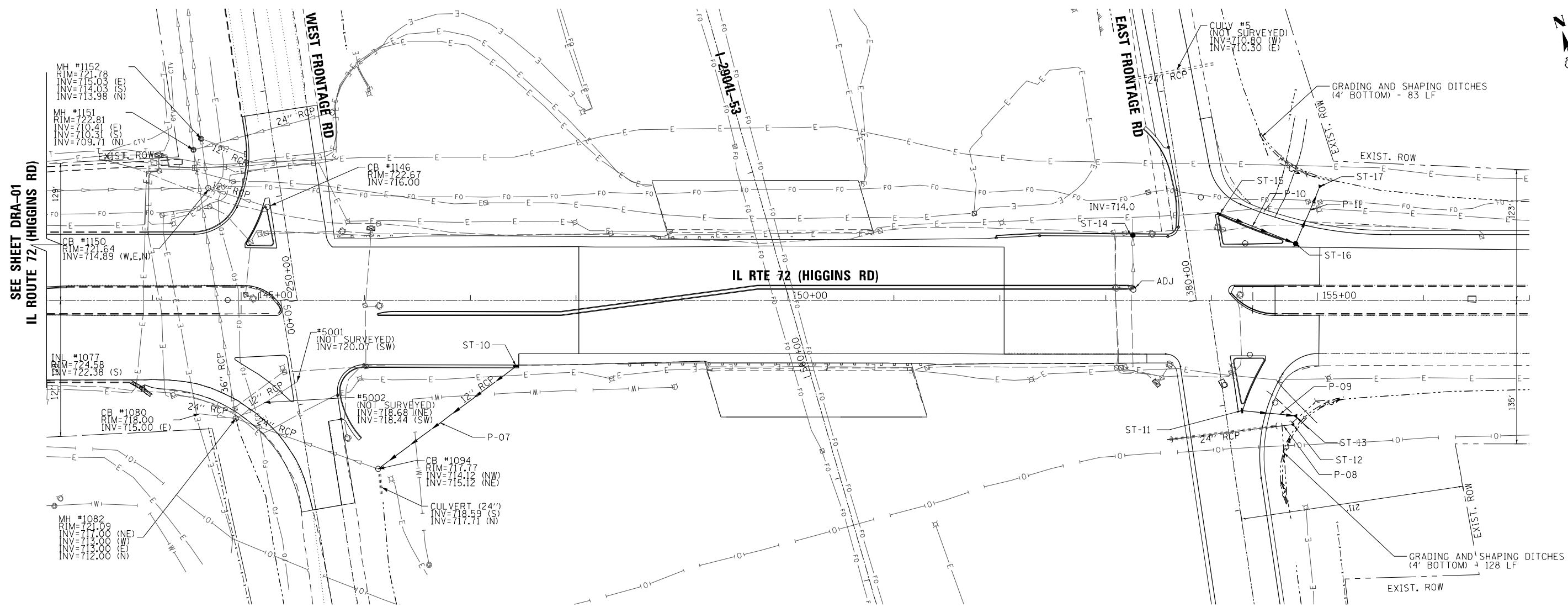
IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302KITS&N-3	COOK	153	32
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DRA-01

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P-07 162 LF-12" STORM SEW CL A, TY-1 @ 2.15% TO EX CB TB = 0.5 CY	P-08 17 LF-24" STORM SEW CL A, TY-1 @ 0.95% EXTEND EXISTING 24" RCP TB = 0.0 CY	P-09 53 LF-12" STORM SEW CL A, TY-1 @ 0.94% TO EX CB TB = 6.8 CY	P-10 76 LF-12" STORM SEW CL A, TY-1 @ 1.0% TO EX CB TB = 21.1 CY	P-11 56 LF-12" STORM SEW CL A, TY-1 @ 1.0% TO EX CB TB = 7.2 CY
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ST-10 STA 147+43.5, 62.0 'RT 2' DIA., INLET TY A W/TY-24 F&G RIM = 721.00 INV = 718.50 (SW)	ST-11 STA 58+92.6, 15.41'RT 2' DIA., INLET TY A W/TY-23 F&G RIM = 715.07 INV = 710.75 (E)	ST-12 STA 154+74.5, 117.4'RT PRC FLAR END SEC 24" INV = 710.25	ST-13 STA 154+77.0, 108.7'RT PRC FLAR END SEC 12" INV = 710.25	ST-14 STA 153+25.6, 61.6"LT 4' DIA., CB TY A W/TY-24 F&G RIM = 716.11 INV = 714.20 (N&S)	ST-15 STA 154+07.7, 81.6"LT 2' DIA., INLET TY A W/TY-23 F&G RIM = 715.60 INV = 711.50 (SE)	ST-16 STA 154+79.3, 53.6"LT 4' DIA., CB TY A TYPE 1 FRAME, OPEN LID RIM = 715.20 INV = 710.70 (NW) INV = 710.60 (NE)	ST-17 STA 115+01.5, 105.4'LT PRC FLAR END SEC 12" INV = 710.00
---	---	--	--	--	--	---	--

NOTES:

- LONGITUDINAL PIPE UNDERDRAINS BE INSTALLED UNDERNEATH THE EDGE OF ALL WIDENED PAVEMENT AREA. THE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO STANDARD 601001-05.
- ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE UNDERDRAINS.

FILE NAME = D:\6073-sht-Pdr-ain02.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = Millennium Professional Services

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
 630.785.0110 voice, 630.839.2566 fax
 www.mps-ill.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN -	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/16/2016	REVISED -

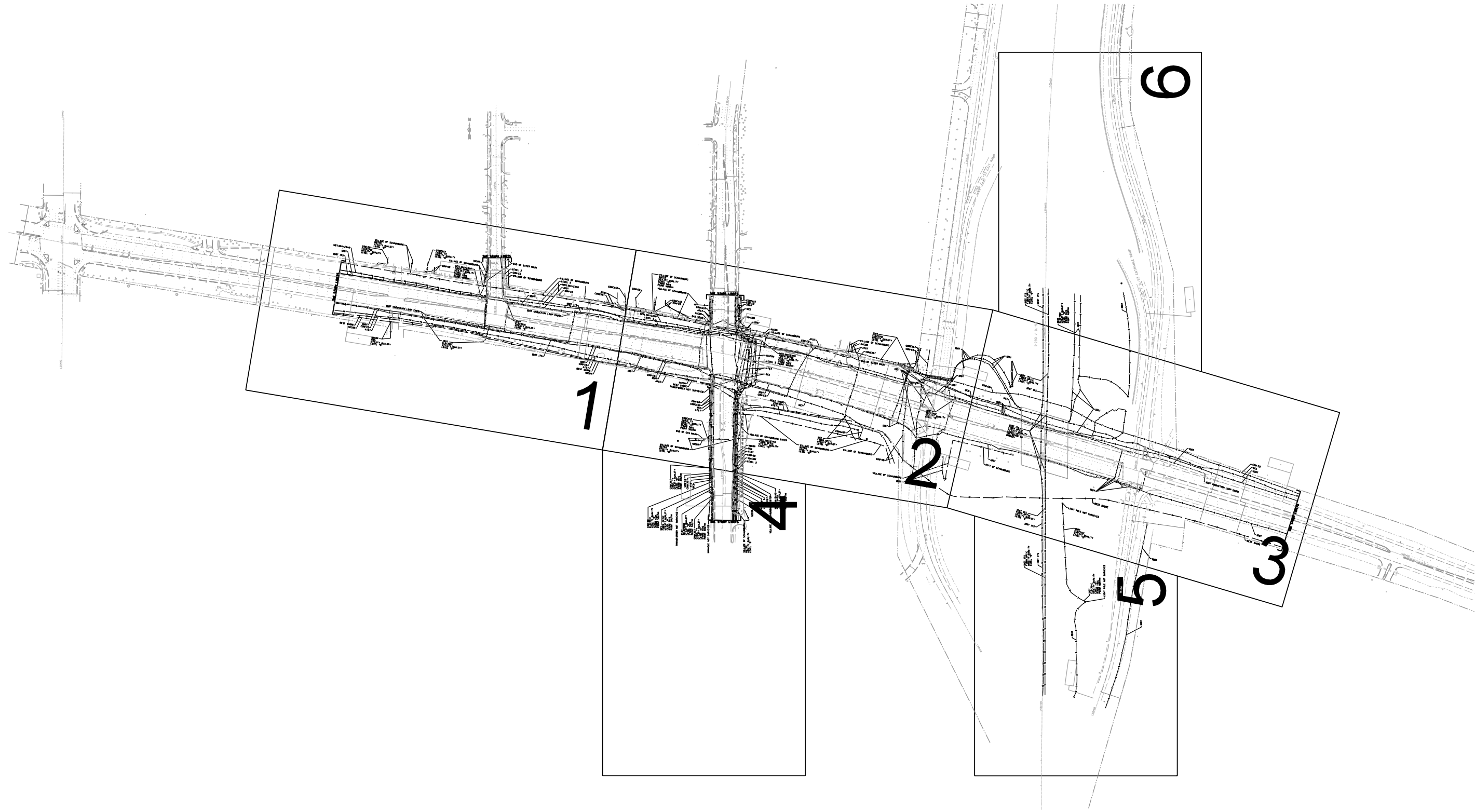
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD) DRAINAGE AND UTILITY PLAN			
SCALE: 1=50	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	60Y73

DRA-02

D:\6073-sht-Pdr-ain02.dgn



—A—A—	AERIAL
- - - -	UNKNOWN
—O—O—	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
—W—W—	TRAFFIC SIGNAL
—FM—FM—	WATER
—FO—FO—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC
AT&T	- TELEPHONE
COM-ED	- ELECTRIC
COMCAST	- CABLE TV
IDOT	- ELECTRIC
IDOT ITS	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NETLINX/ZAYO	- FIBER OPTIC
NICOR	- GAS
VIACOM	- FIBER OPTIC
VILLAGE OF SCHAUMBURG	- WATER
WEST SHORE	- PIPELINE

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510652, 656
SUE Plan Page: Cover

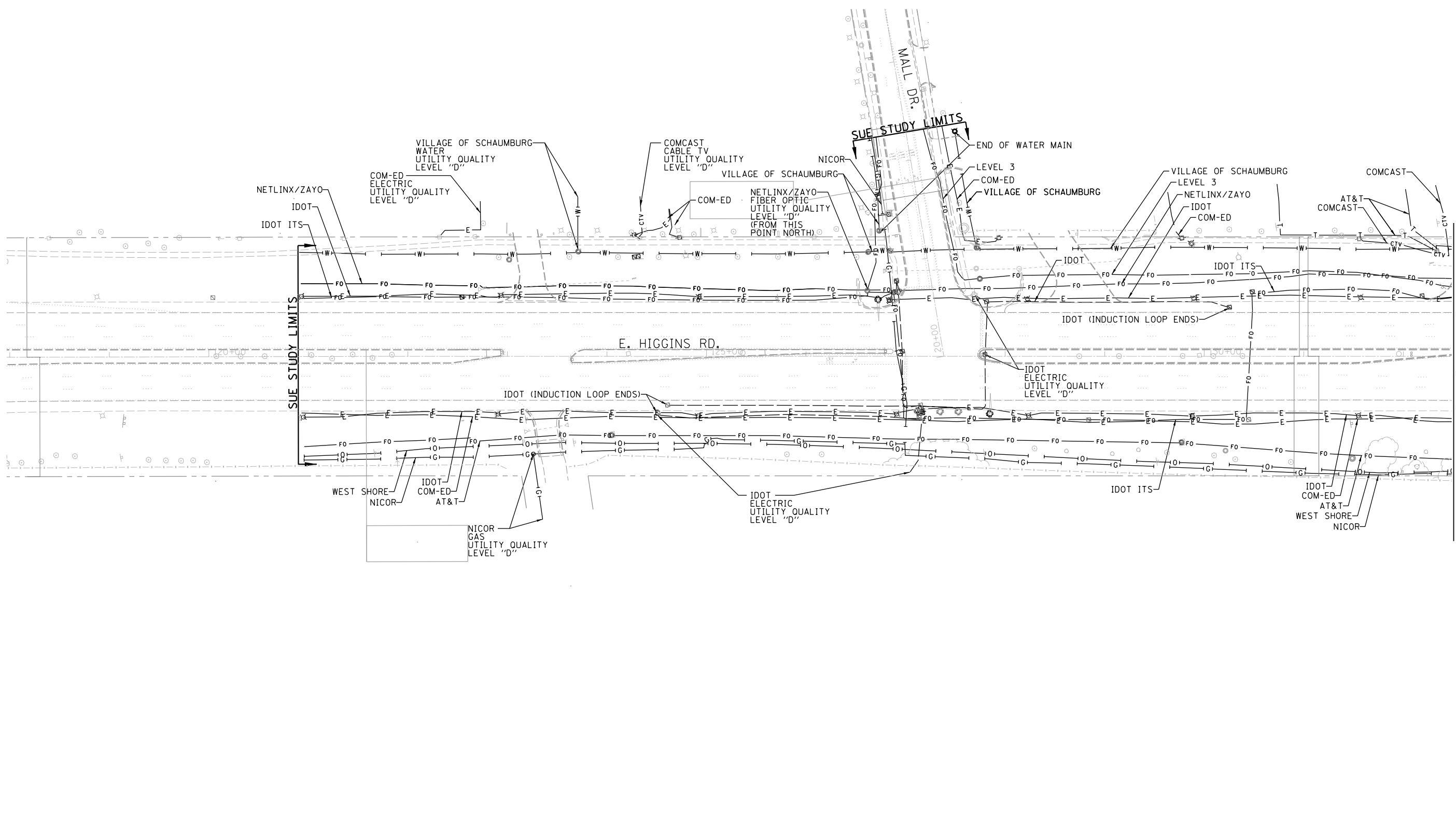
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 (Lexington Dr.) to I-290 Ramps & I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	34
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

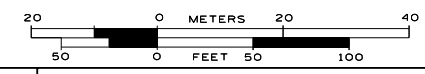


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	TRAFFIC SIGNAL
— W — W —	WATER
— FM — FM —	FORCE MAIN
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
IDOT - ELECTRIC	
IDOT ITS - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
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VIACOM - FIBER OPTIC	
VILLAGE OF SCHAUMBURG - WATER	
WEST SHORE - PIPELINE	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510652, 656
SUE Plan Page: 1 of 6

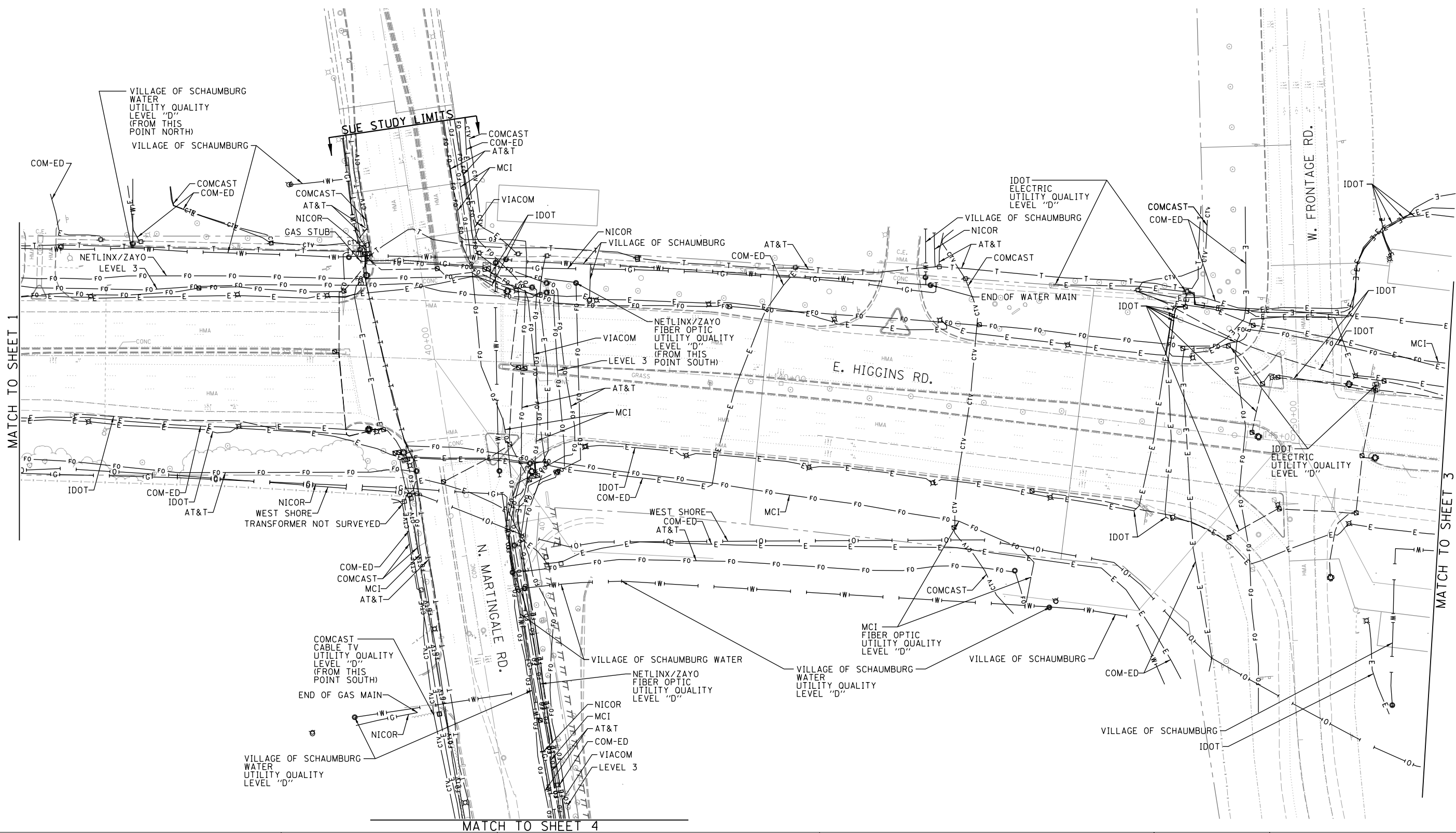
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 (Lexington Dr.) to I-290 Ramps& I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	35
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

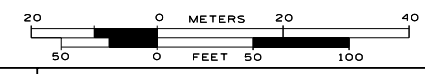


— A — A	AERIAL
- - - - -	UNKNOWN
— O — O	OIL
— CTV — CTV	CABLE TV
— T — T	TELEPHONE
— G — G	GAS
— E — E	ELECTRIC
— W — W	TRAFFIC SIGNAL
— W — W	WATER
— FM — FM	FORCE MAIN
— FO — FO	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

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AT&T	- TELEPHONE
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COMCAST	- CABLE TV
IDOT	- ELECTRIC
IDOT ITS	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NETLINX/ZAYO	- FIBER OPTIC
NICOR	- GAS
VIACOM	- FIBER OPTIC
VILLAGE OF SCHAUMBURG	- WATER
WEST SHORE	- PIPELINE

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TBE Job No. IL09510652, 656
SUE Plan Page: 2 of 6

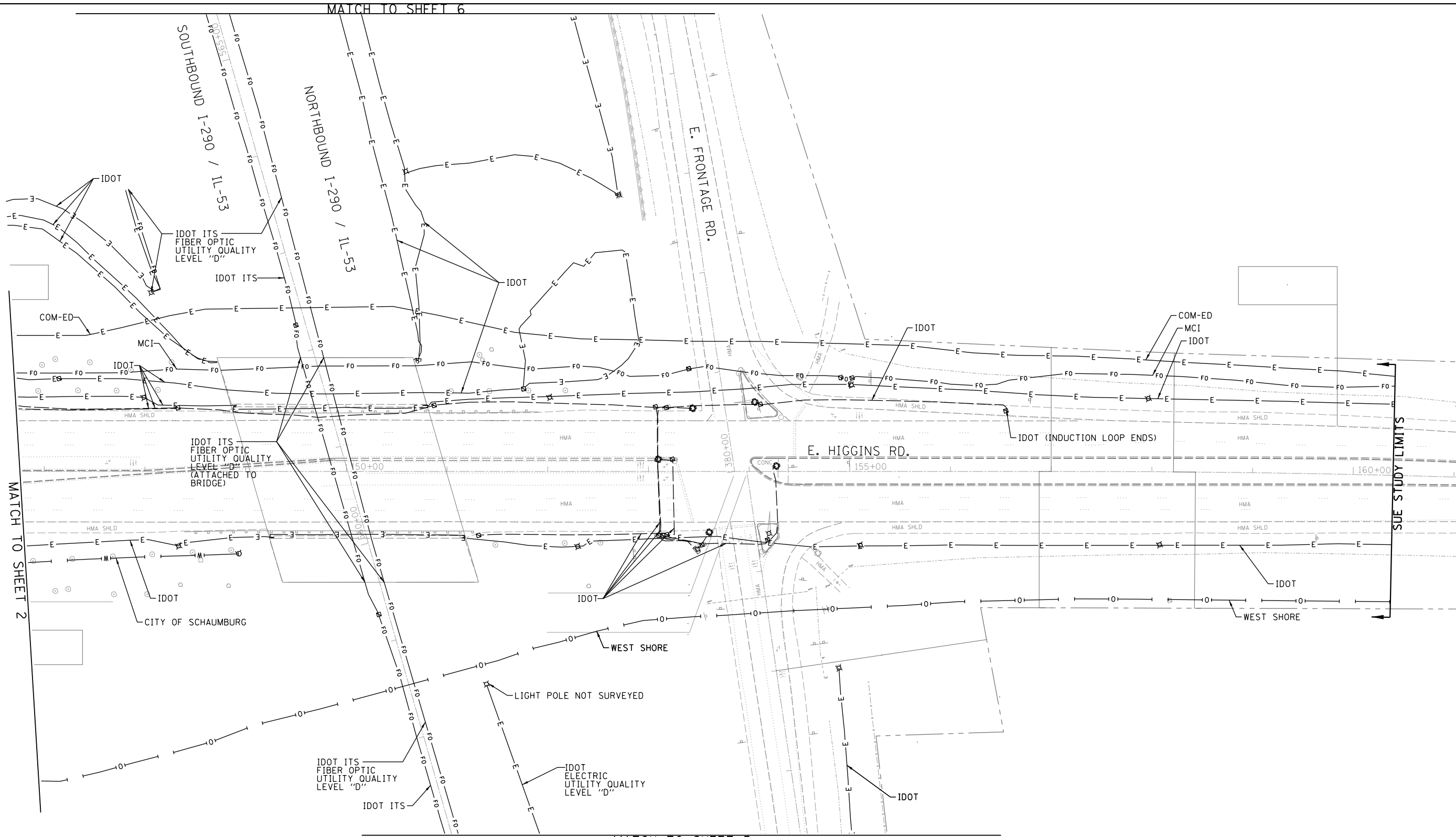
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DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 (Lexington Dr.) to I-290 Ramps & I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	36
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60Y73	



MATCH TO SHEET 2

MATCH TO SHEET 6

MATCH TO SHEET 5

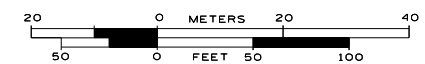
SUE STUDY LIMITS

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- - - -	UNKNOWN
— O — O	OIL
— CTV — CTV	CABLE TV
— T — T	TELEPHONE
— G — G	GAS
— E — E	ELECTRIC
— TS — TS	TRAFFIC SIGNAL
— W — W	WATER
— FM — FM	FORCE MAIN
— FO — FO	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
IDOT - ELECTRIC	
IDOT ITS - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NETLINX/ZAYO - FIBER OPTIC	
NICOR - GAS	
VIACOM - FIBER OPTIC	
VILLAGE OF SCHAUMBURG - WATER	
WEST SHORE - PIPELINE	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510652, 656
SUE Plan Page: 3 of 6

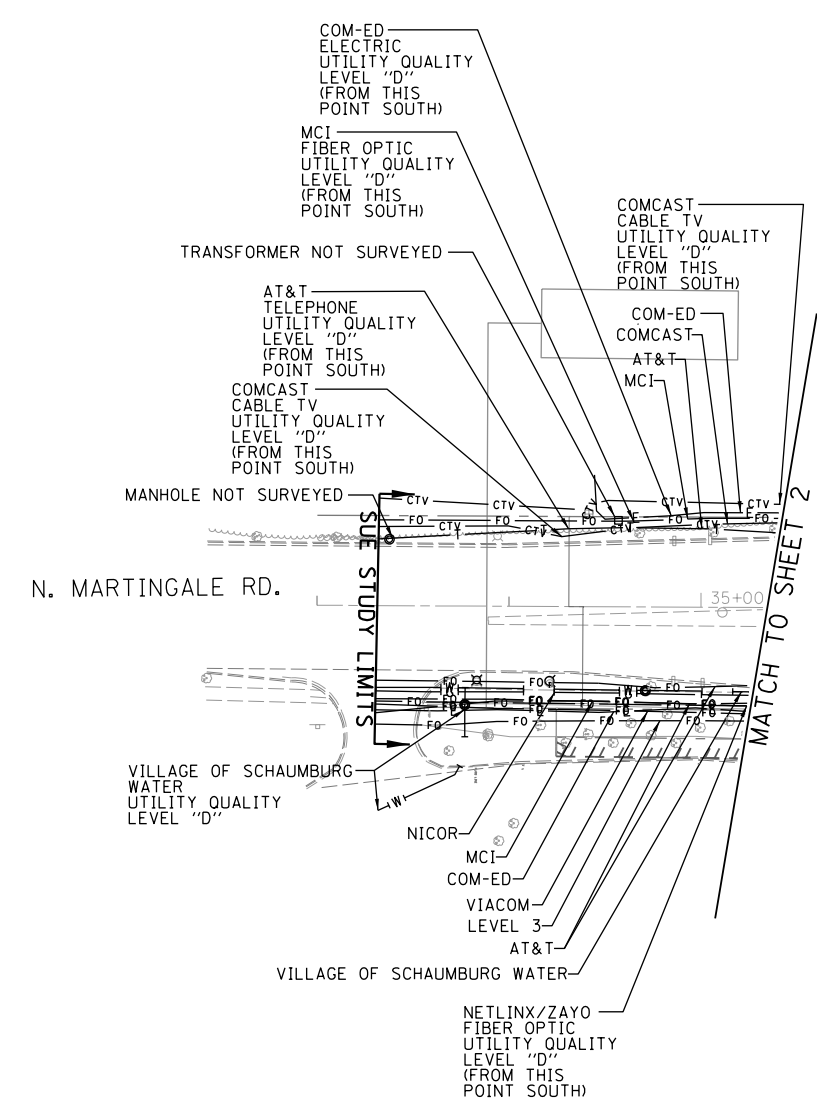
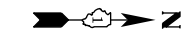
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Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 (Lexington Dr.) to I-290 Ramps & I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	37
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

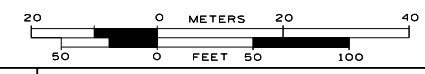


—A—A—	AERIAL
- - - - -	UNKNOWN
—O—O—	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
—W—W—	TRAFFIC SIGNAL
—W—W—	WATER
—FM—FM—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
IDOT - ELECTRIC	
IDOT ITS - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
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NICOR - GAS	
VIACOM - FIBER OPTIC	
VILLAGE OF SCHAUMBURG - WATER	
WEST SHORE - PIPELINE	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510652, 656
SUE Plan Page: 4 of 6

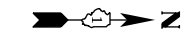
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DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

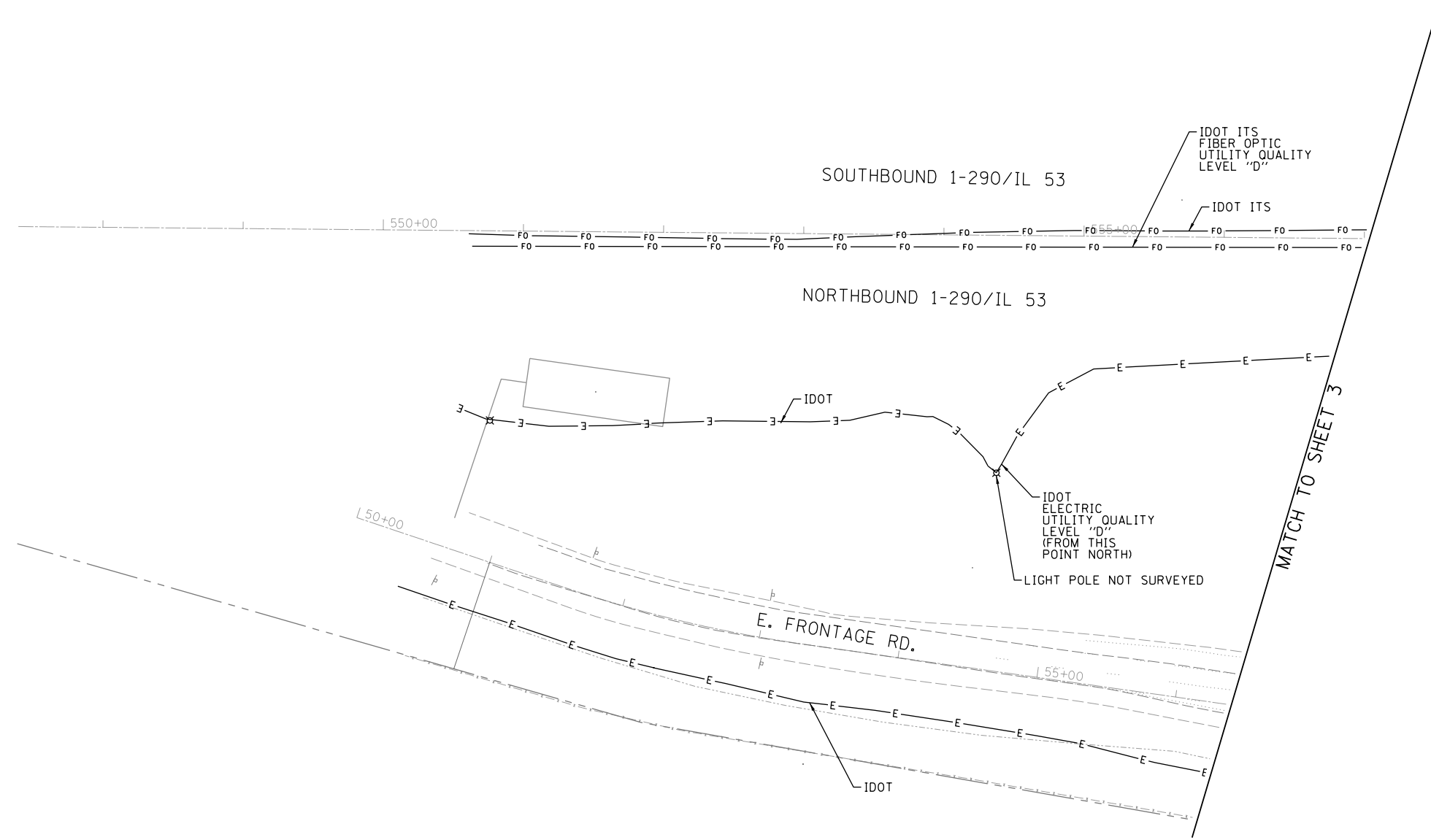
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 72 (Lexington Dr.) to I-290 Ramps& I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	38
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



00+09

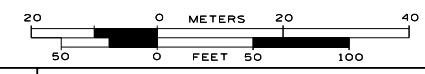


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	TRAFFIC SIGNAL
— W — W —	WATER
— FM — FM —	FORCE MAIN
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
IDOT - ELECTRIC	
IDOT ITS - FIBER OPTIC	
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MCI - FIBER OPTIC	
NETLINX/ZAYO - FIBER OPTIC	
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TBE Job No. IL09510652, 656
SUE Plan Page: 5 of 6

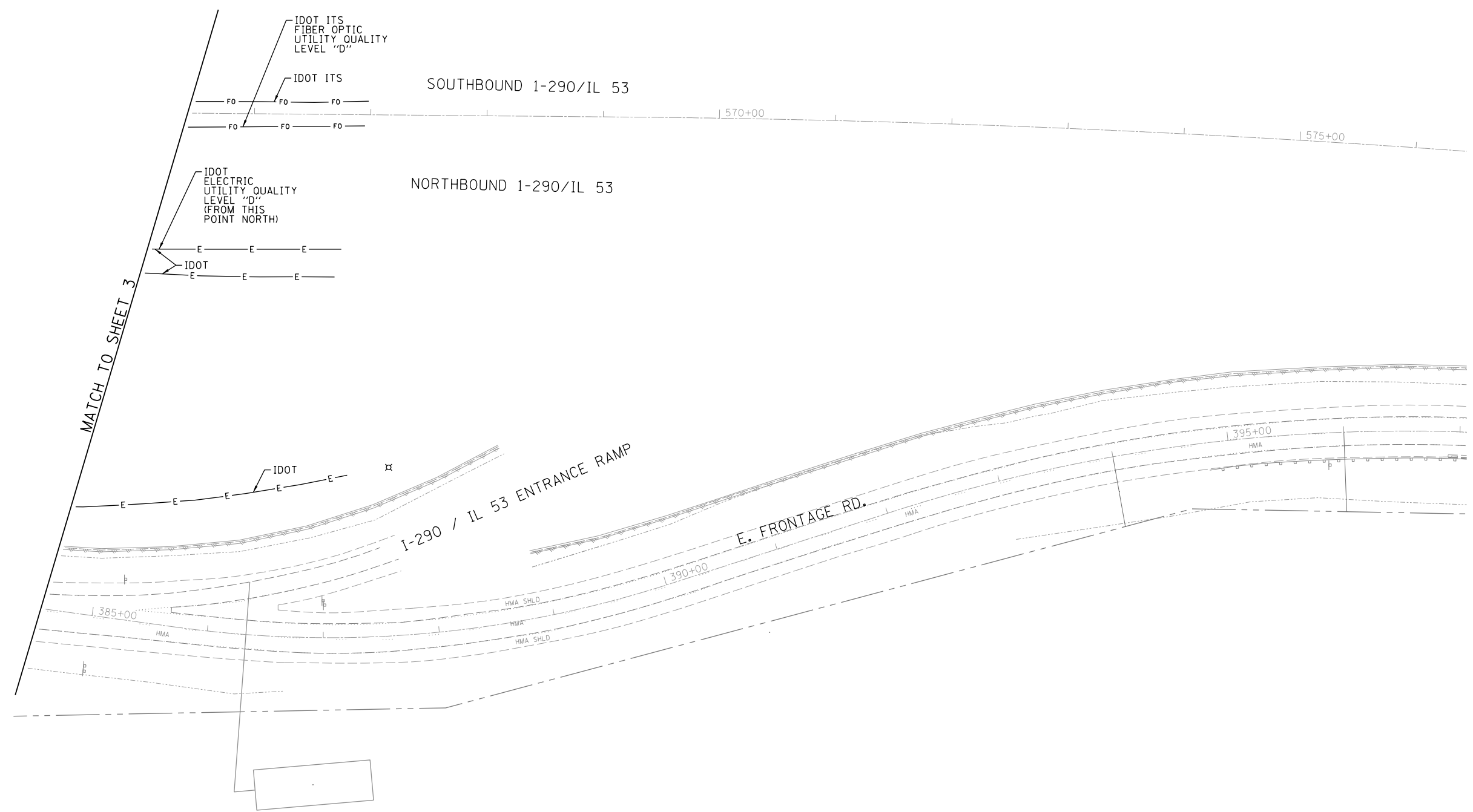
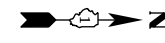
Utility Quality Level "A" : Visually Verified Test Hole
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Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 72 (Lexington Dr.) to I-290 Ramps & I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	39
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

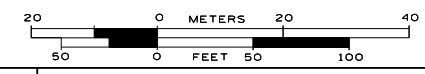


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	TRAFFIC SIGNAL
— W — W —	WATER
— FM — FM —	FORCE MAIN
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
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COMCAST - CABLE TV	
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VILLAGE OF SCHAUMBURG - WATER	
WEST SHORE - PIPELINE	

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TBE Job No. IL09510652, 656
SUE Plan Page: 6 of 6

Utility Quality Level "A" : Visually Verified Test Hole
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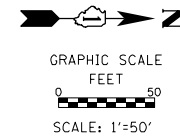
DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

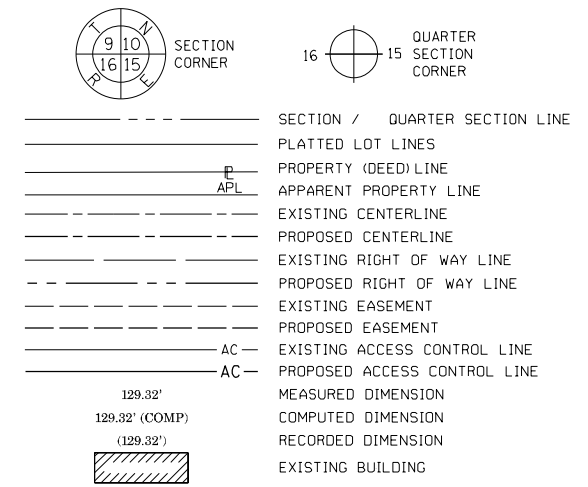
IL 72 (Lexington Dr.) to I-290 Ramps & I-290 East & West Frontage Roads at Woodfield Rd.
Schaumburg, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	153	40
Contract No. 60Y73				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

PART OF THE SE 1/4 OF SEC. 13, AND PART OF NE 1/4 OF SEC. 24 IN TWP. 41 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT) GRID.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- HYDRANT
- MANHOLE
- DRAINAGE MANHOLE
- = INLET
- ⊗ LIGHT POLE
- UTILITY SPLICE BOX
- ⊞ ELECTRICAL SPLICE BOX

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, ROARK ROGERS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3765
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



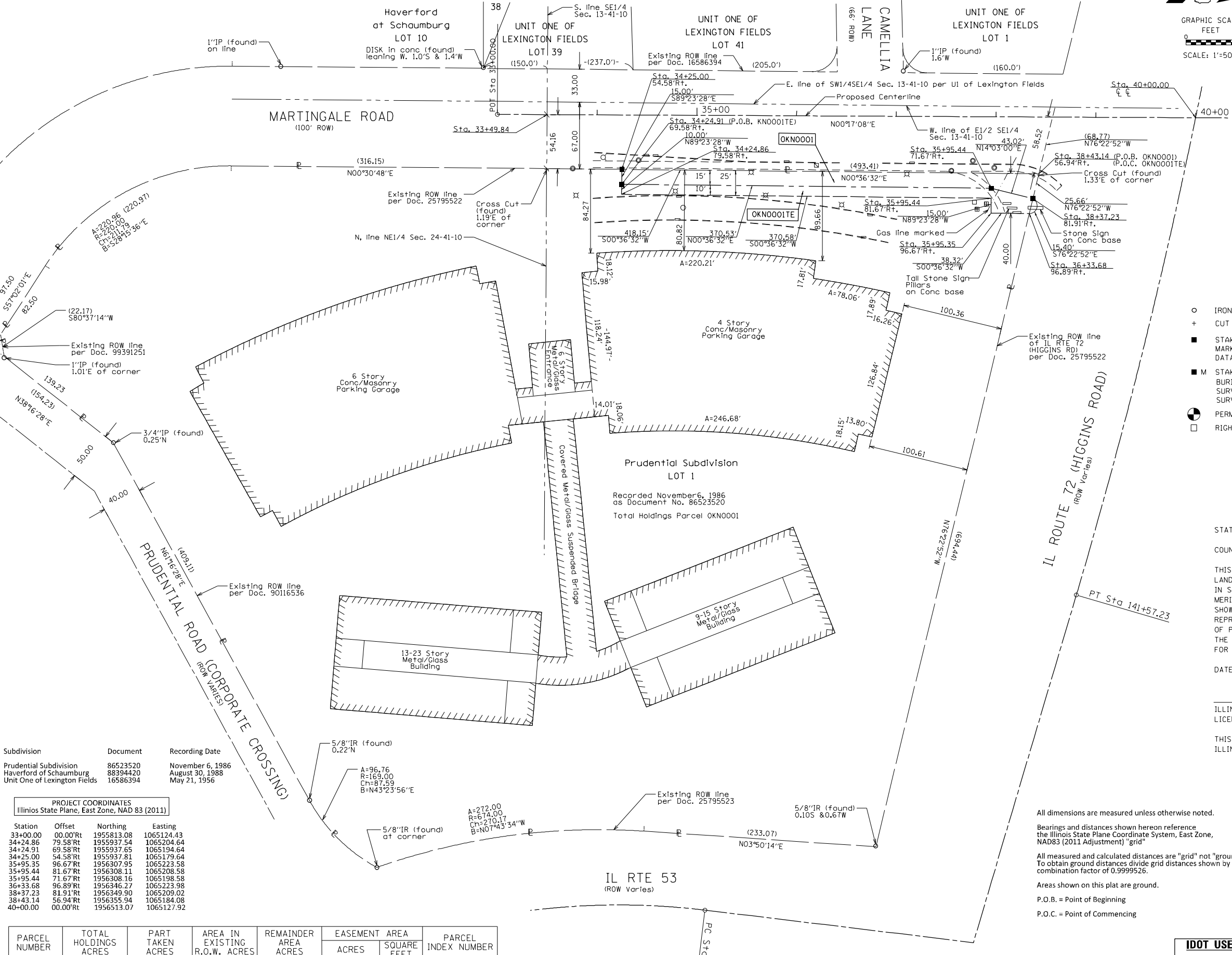
APEX Consulting Engineers, LLC
111 E. Wacker Drive, Suite 520
Chicago, Illinois 60601
(312) 977-0660

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL RTE 72 (Higgins Rd)

LIMITS: at Martingale Rd COUNTY: Cook
SECTION: STA. 34+24.86 TO STA. 38+43.14 JOB NO.: R90-012-14
SCALE: 1"=50'

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY



Subdivision	Document	Recording Date
Prudential Subdivision	86523520	November 6, 1986
Haverford at Schaumburg	88394420	August 30, 1988
Unit One of Lexington Fields	16586394	May 21, 1956

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

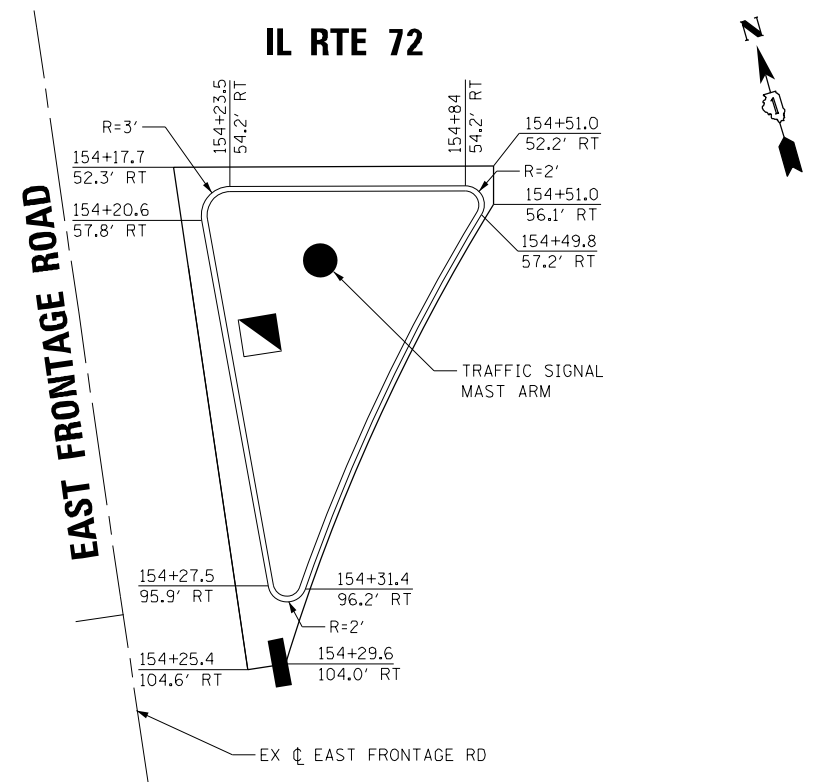
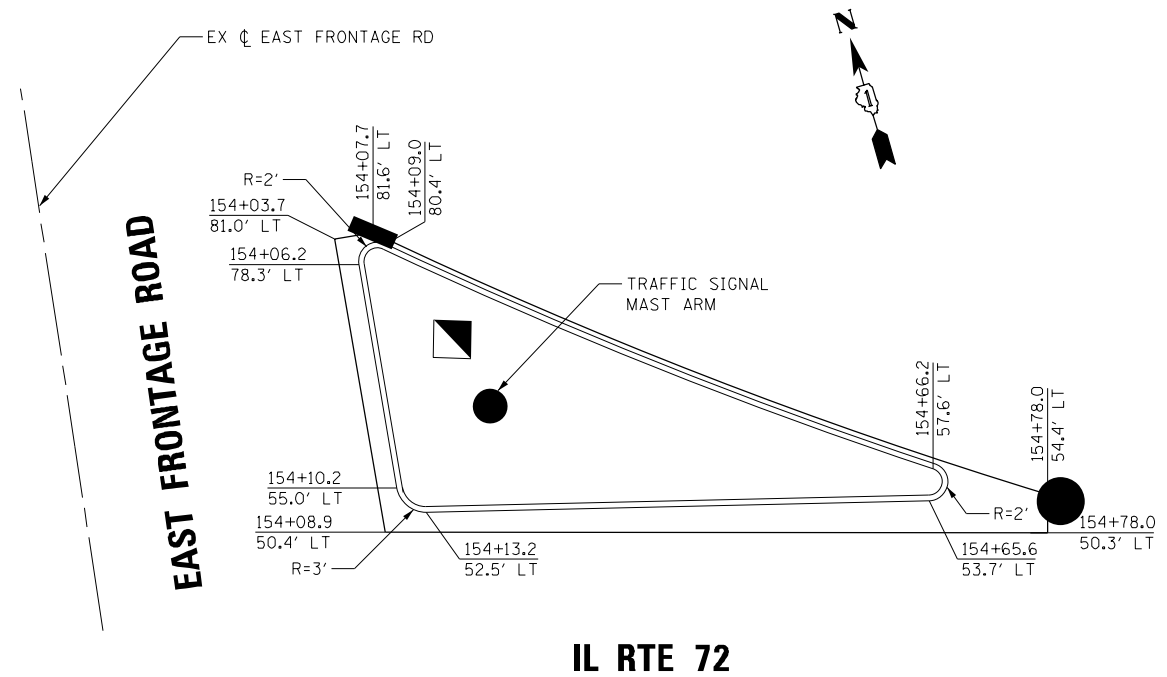
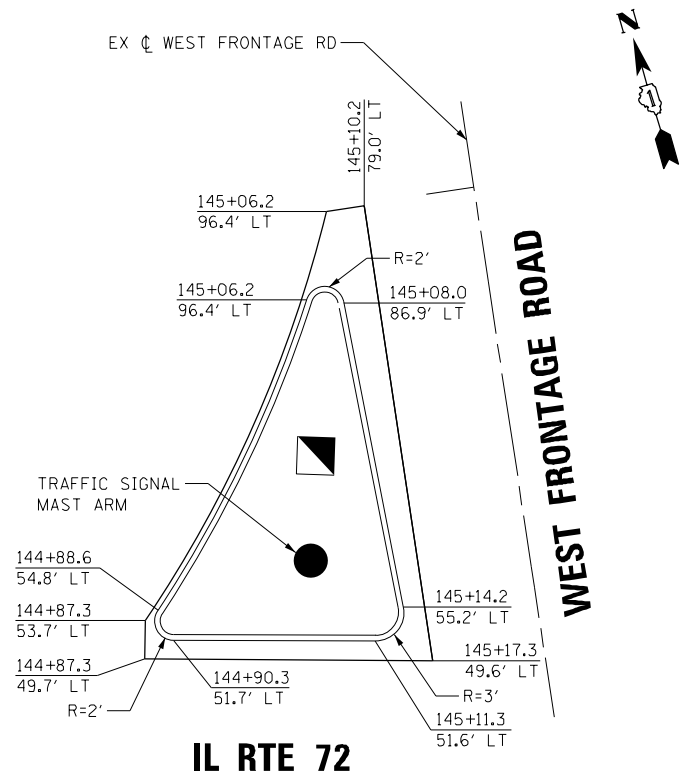
Station	Offset	Northing	Easting
33+00.00	00.00'Rt	1955813.08	1065124.43
34+24.86	79.58'Rt	1955937.54	1065204.64
34+24.91	69.58'Rt	1955937.65	1065194.64
34+25.00	54.58'Rt	1955937.81	1065179.64
35+95.35	96.67'Rt	1956307.95	1065223.58
35+95.44	81.67'Rt	1956308.11	1065208.58
35+95.44	71.67'Rt	1956308.16	1065198.58
36+33.68	96.89'Rt	1956346.27	1065223.98
38+37.23	81.91'Rt	1956349.90	1065209.02
38+43.14	56.94'Rt	1956355.94	1065184.08
40+00.00	00.00'Rt	1956513.07	1065127.92

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OKN0001	12.438	0.149	-	12.289			07-24-201-015
OKN0001TE		N/A	-	N/A	0.104		

All dimensions are measured unless otherwise noted.
Bearings and distances shown herein reference the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment) "grid"
All measured and calculated distances are "grid" not "ground". To obtain ground distances divide grid distances shown by the combination factor of 0.9999526.
Areas shown on this plat are ground.
P.O.B. = Point of Beginning
P.O.C. = Point of Commencing

FOR INFORMATION ONLY

REVISION DATE: / / REVISION MADE BY: _____



FILE NAME = D:\60Y73-sht-Int-Detail.E&W Frontage.dgn
 PLOT SCALE = 2.0000" / 1" =
 USER NAME = Millennia Professional Services



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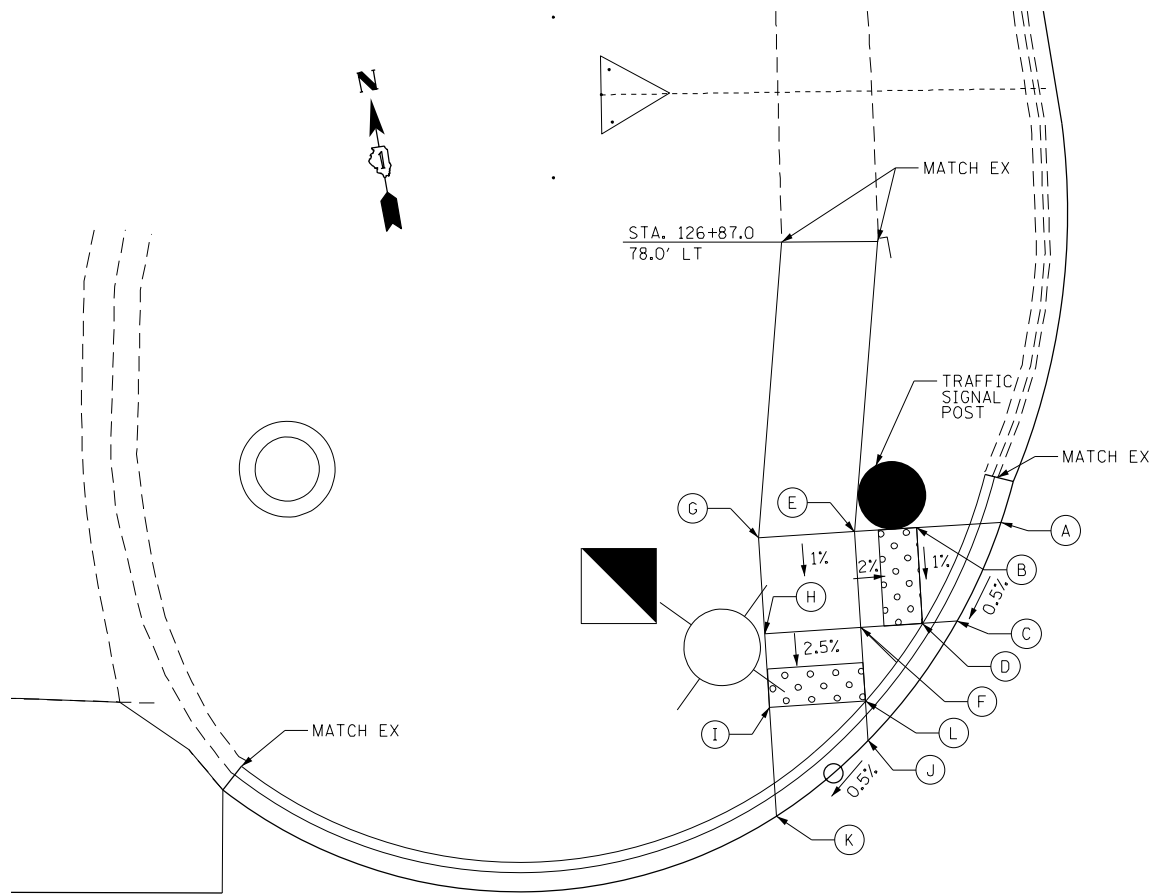
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DRAWN	- JP	REVISED	-
CHECKED	- TVN	REVISED	-
DATE	- 12/21/2015	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL RTE 72 (HIGGINS ROAD) AT EAST AND WEST FRONTAGE RD			
INTERSECTION DETAIL			
SCALE: N/A	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)ITS&N-3	COOK	153	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

IND-01



MALL DRIVE

IL RTE 72 (HIGGINS RD)

POINT	STA	OFFSET	ELEV
A	126+98.4	63.1 LT	737.24
B	126+96.7	59.1 LT	737.21
C	126+94.9	63.0 LT	737.27
D	126+95.0	59.0 LT	737.21
E	126+90.9	63.0 LT	737.51
F	126+91.0	59.0 LT	737.45
G	126+85.0	62.9 LT	737.51
H	126+85.0	68.9 LT	737.45
I	126+87.0	58.9 LT	737.45
J	126+87.0	53.5 LT	737.18
K	126+91.0	53.6 LT	737.17
L	126+91.1	51.4 LT	737.17
M	126+87.1	48.2 LT	737.14

MALL DRIVE

EL. 736.67 STA. 127.58.5
84.2' LT

POINT	STA	OFFSET	ELEV
A	127+72.7	67.6 LT	736.53
B	127+77.2	64.4 LT	736.50
C	127+78.8	65.3 LT	736.50
D	127+76.3	69.7 LT	736.52
E	127+83.1	67.8 LT	736.67
F	127+80.6	72.1 LT	736.69
G	127+87.5	70.3 LT	736.71
H	127+82.5	73.2 LT	736.71
I	127+87.4	75.2 LT	736.73
J	127+82.4	75.2 LT	736.73

IL RTE 72 (HIGGINS RD)

FILE NAME = D:\6073-sht-Int-Detail-MallDr.dgn
 PLOT SCALE = 2.0000' / 1" =
 USER NAME = Millennia Professional Services

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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

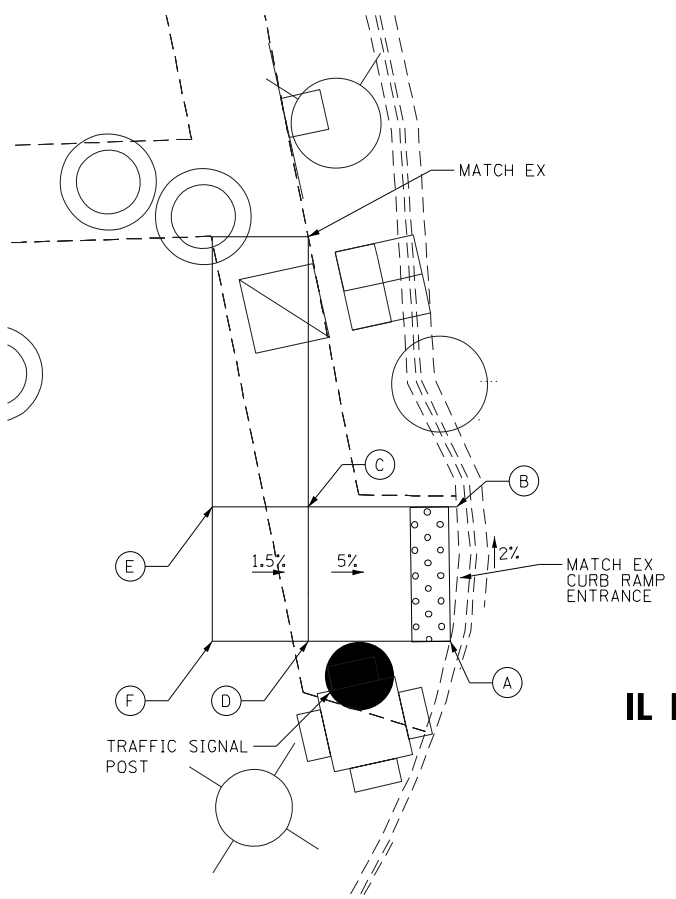
**IL RTE 72 (HIGGINS ROAD) AT MALL DRIVE
 INTERSECTION DETAIL**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	43
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

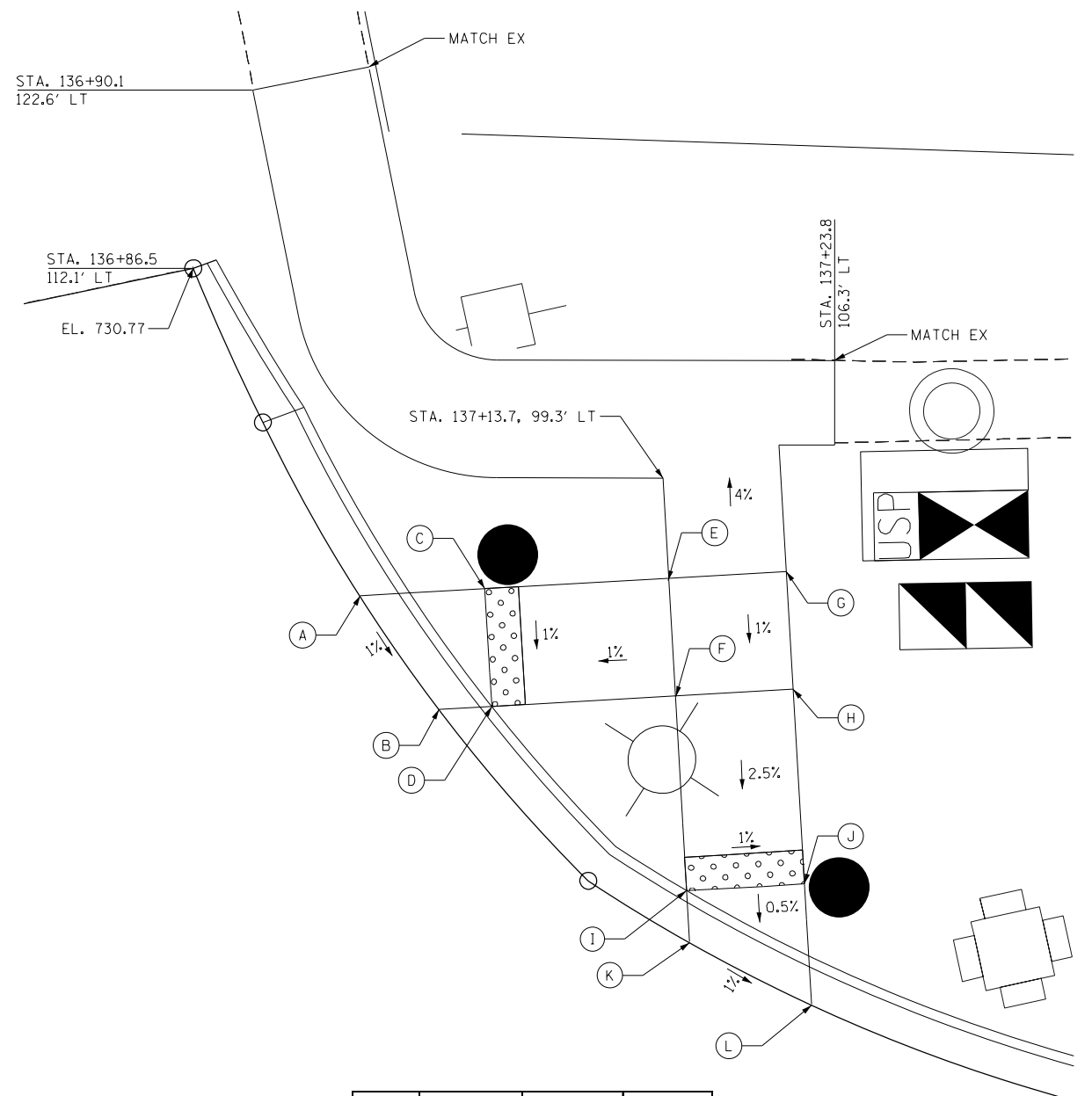
IND-02

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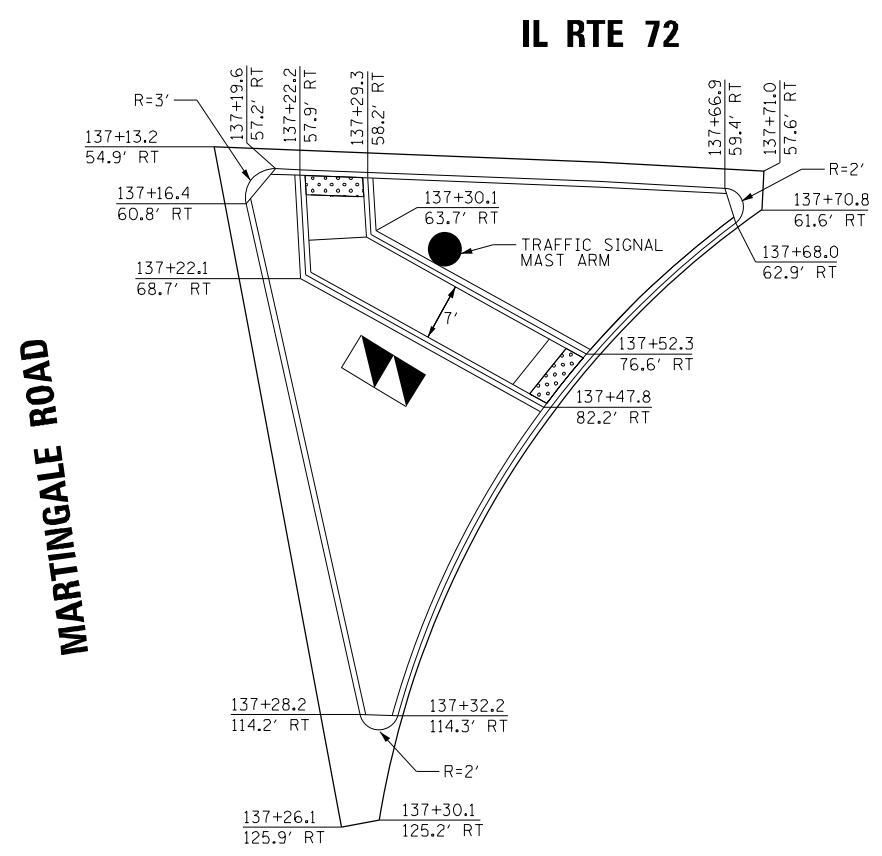
POINT	STA	OFFSET	ELEV
A	135+98.4	85.4 lt	730.14
B	135+98.9	92.4 lt	730.00
C	135+91.3	92.7 lt	730.39
D	135+91.1	85.7 lt	730.51
E	135+86.4	92.8 lt	730.46
F	135+86.2	85.8 lt	730.59

**IL RTE 72 AT MARTINGALE RD
NW CORNER**



POINT	STA	OFFSET	ELEV
A	136+96.0	92.5 LT	730.55
B	137+00.5	85.7 LT	730.47
C	137+03.3	92.9 LT	730.54
D	137+03.6	85.9 LT	730.47
E	137+14.0	93.4 LT	730.65
F	137+14.3	86.4 LT	730.58
G	137+20.9	93.8 LT	730.65
H	137+21.2	86.8 LT	730.58
I	137+14.9	74.9 LT	730.29
J	137+21.8	75.2 LT	730.22
K	137+15.1	71.8 LT	730.27
L	137+22.2	68.0 LT	730.18

**IL RTE 72 AT MARTINGALE RD
NE CORNER**



FILE NAME = D:\6073-sht-Int-Detail-MartingaleRd.dgn
 PLOT SCALE = 2.0000' / 1" =
 USER NAME = Millennium Professional Services

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DRAWN	- JP	REVISED	-
CHECKED	- TVN	REVISED	-
DATE	- 12/21/2015	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD
INTERSECTION DETAIL**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	44
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

IND-03

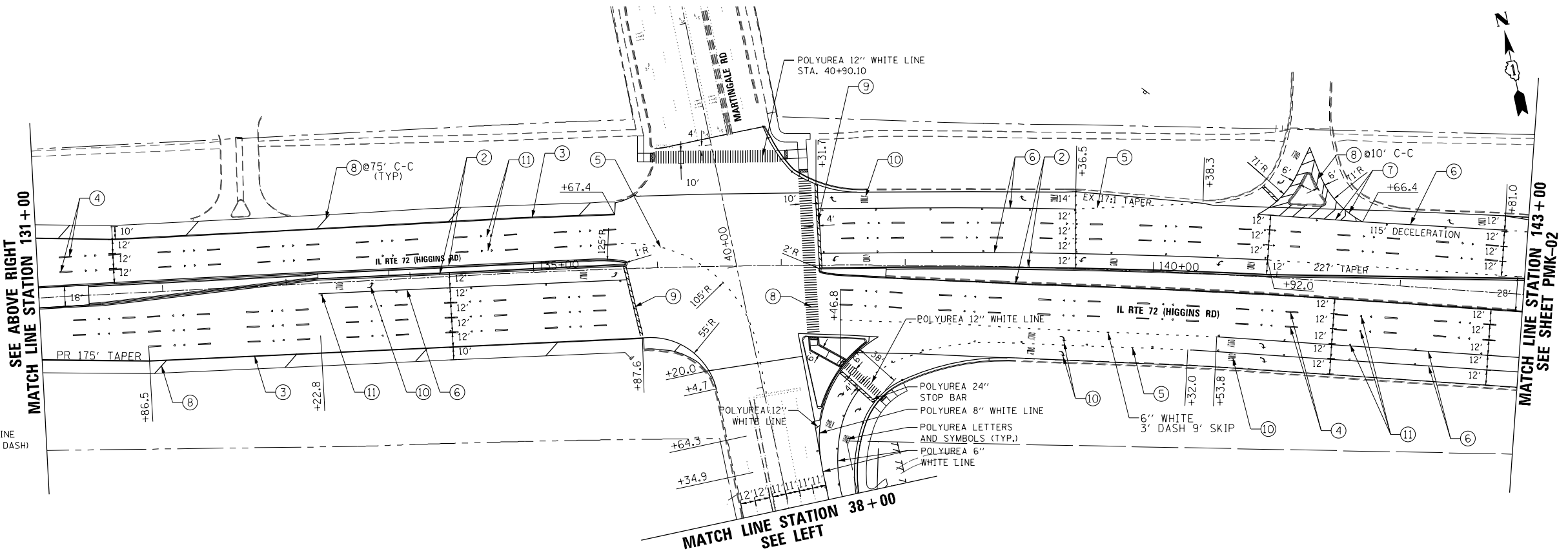
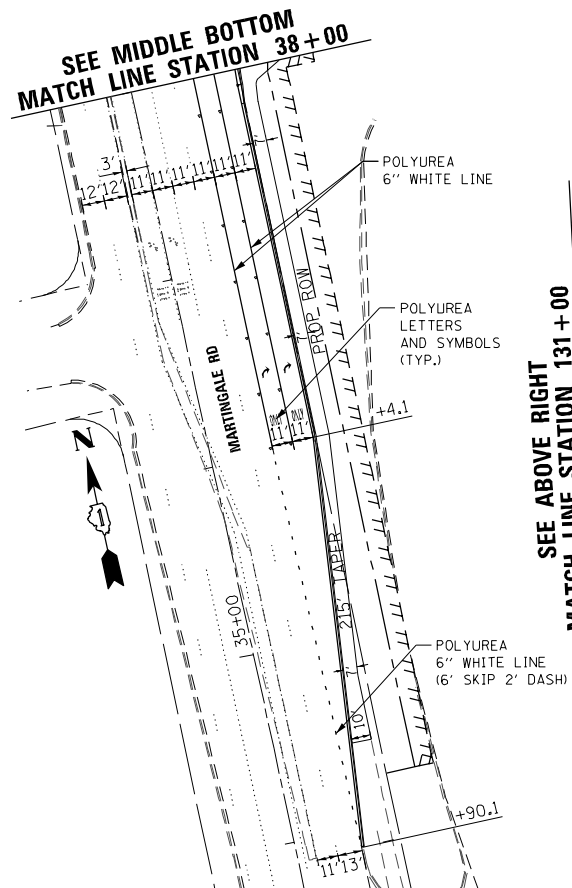
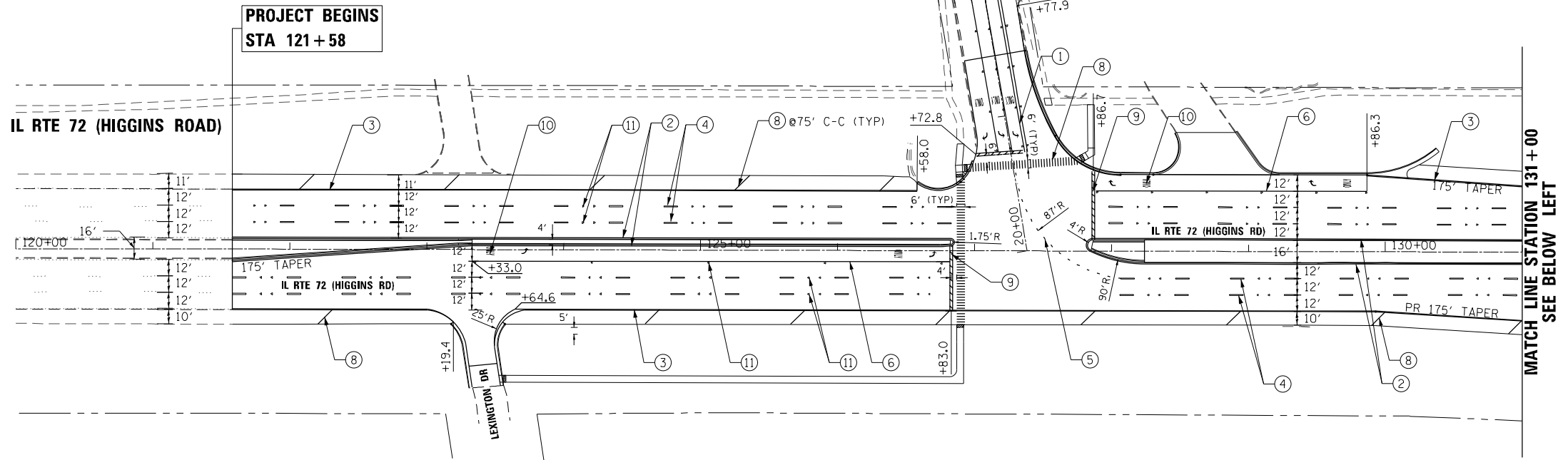
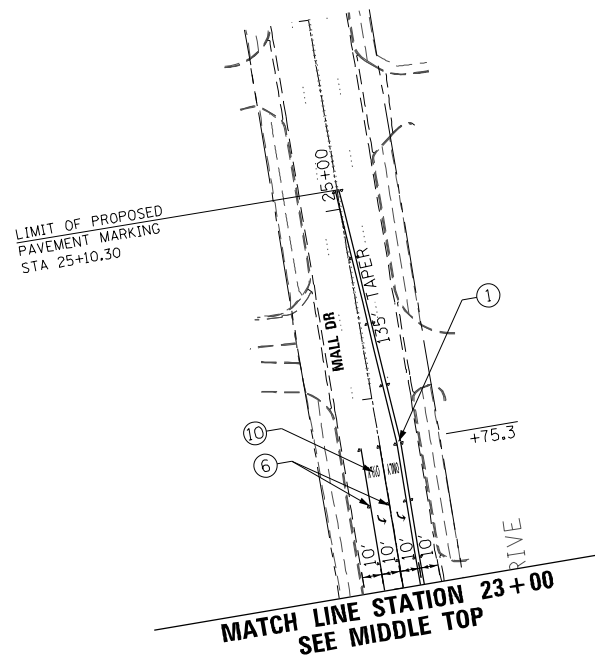
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PAVEMENT MARKING LEGEND (SEE NOTE 1)

- ① 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ② 4" YELLOW SOLID LINE
- ③ 4" WHITE SOLID LINE
- ④ 4" WHITE LANE LINE (30' SKIP 10' DASH)
- ⑤ 6" WHITE LINE (6' SKIP 2' DASH)
- ⑥ 6" WHITE SOLID LINE
- ⑦ 8" WHITE LINE
- ⑧ 12" WHITE LINE
- ⑨ 24" WHITE STOP BAR
- ⑩ LETTERS AND SYMBOLS (TYP)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 3)

NOTES

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE THERMOPLASTIC.
2. THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



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 PLOT SCALE = 1/80.0000 / in.
 USER NAME = Millennia Professional Services

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DRAWN - LN	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

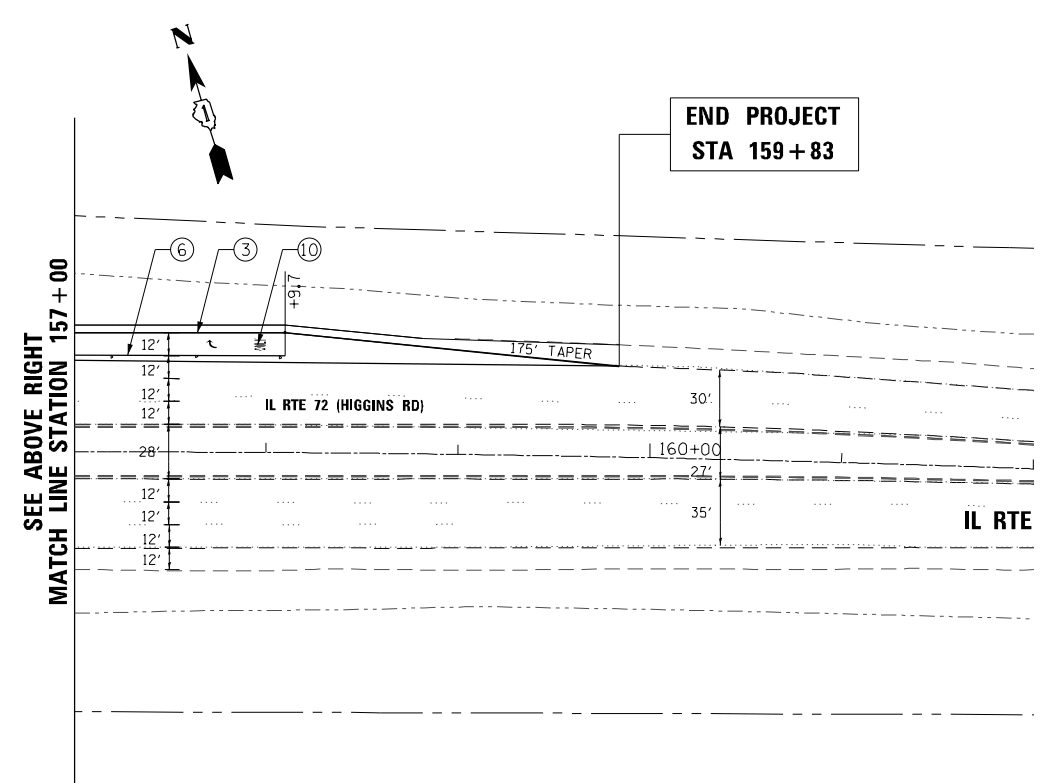
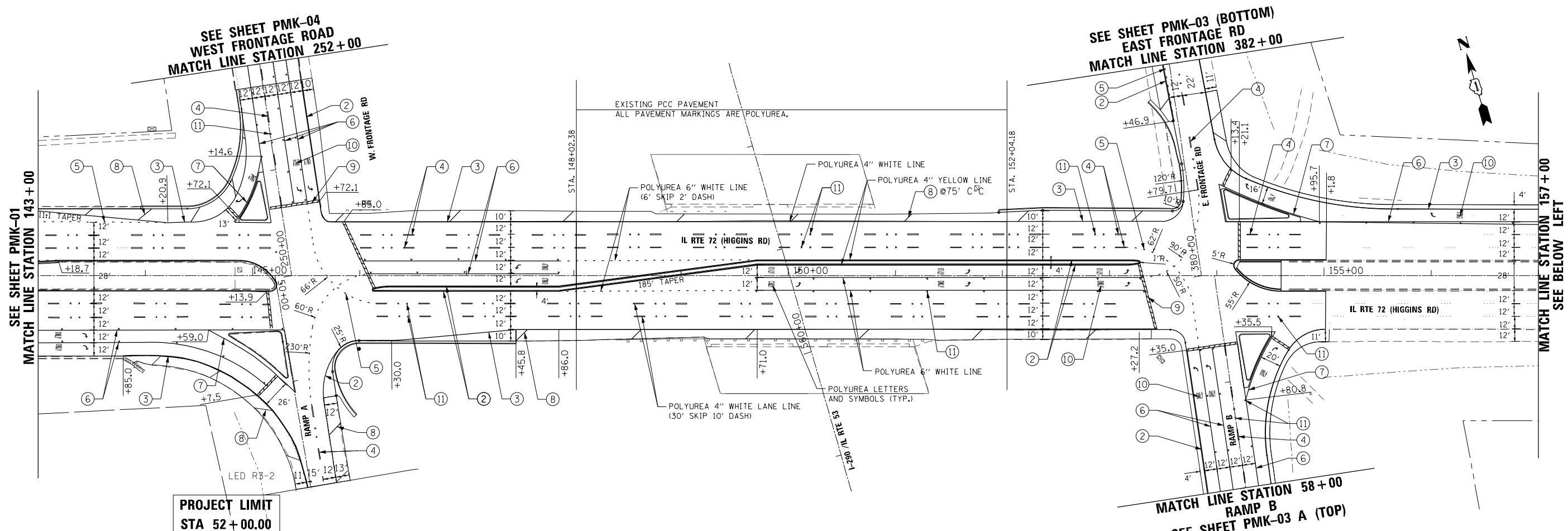
IL RTE 72 (HIGGINS ROAD)
PAVEMENT MARKING PLAN

SCALE: 1=50	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302KITS&N-3	COOK	153	45
CONTRACT NO. 60Y73			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PMK-01

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PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① 4" DOUBLE YELLOW @ 11" C-C (TYP) | ⑦ 8" WHITE LINE |
| ② 4" YELLOW SOLID LINE | ⑧ 12" WHITE LINE |
| ③ 4" WHITE SOLID LINE | ⑨ 24" WHITE STOP BAR |
| ④ 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑩ LETTERS AND SYMBOLS (TYP) |
| ⑤ 6" WHITE LINE (6' SKIP 2' DASH) | ⑪ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 3) |
| ⑥ 6" WHITE SOLID LINE | |

NOTES

- PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE THERMOPLASTIC.
- THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.

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 PLOT SCALE = 1/8"=1'-0"
 USER NAME = Millennia Professional Services

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DESIGNED - TVN	REVISED -
DRAWN - LN	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

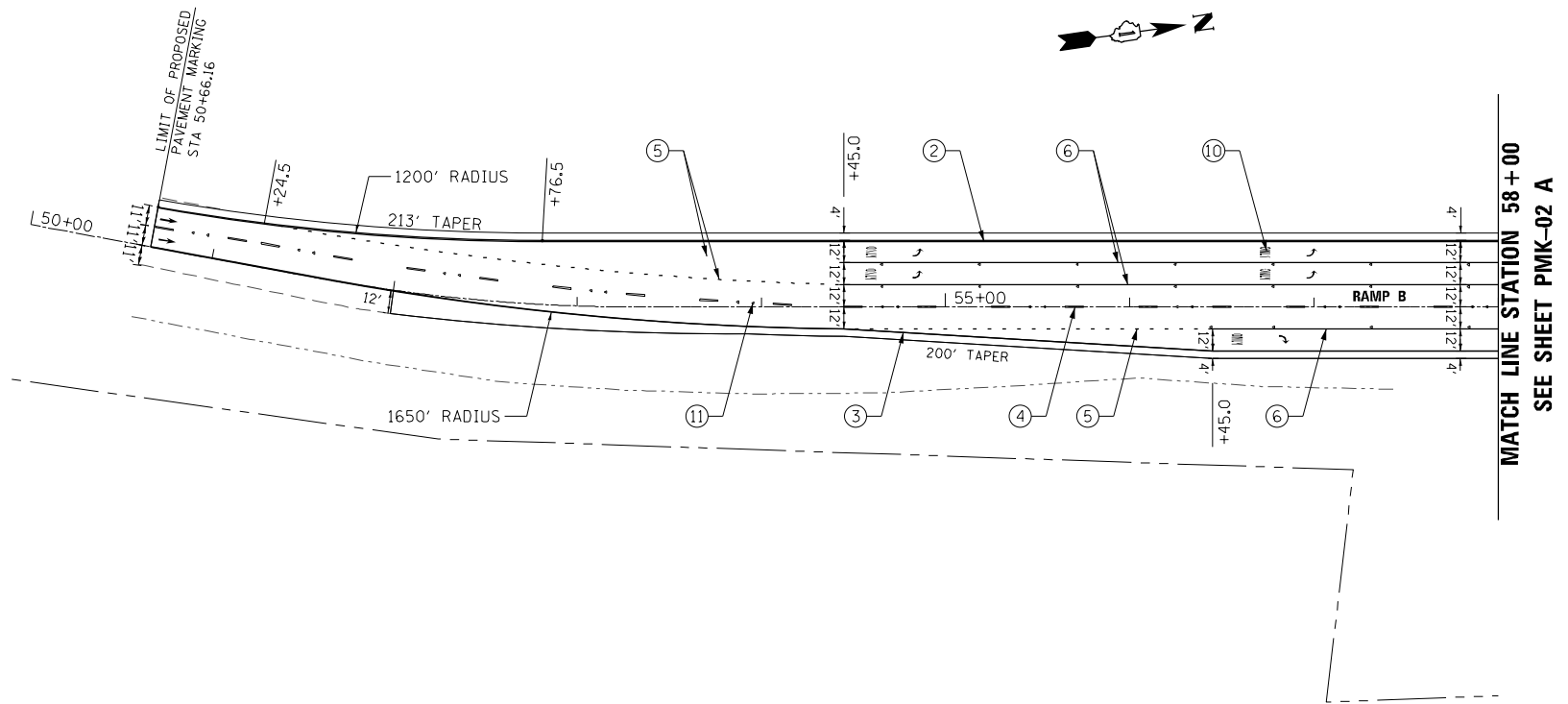
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL RTE 72 (HIGGINS ROAD) PAVEMENT MARKING PLAN	
SCALE: 1=50	TO STA.
SHEET NO. OF SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302KITS&N-3	COOK	153	46
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PMK-02

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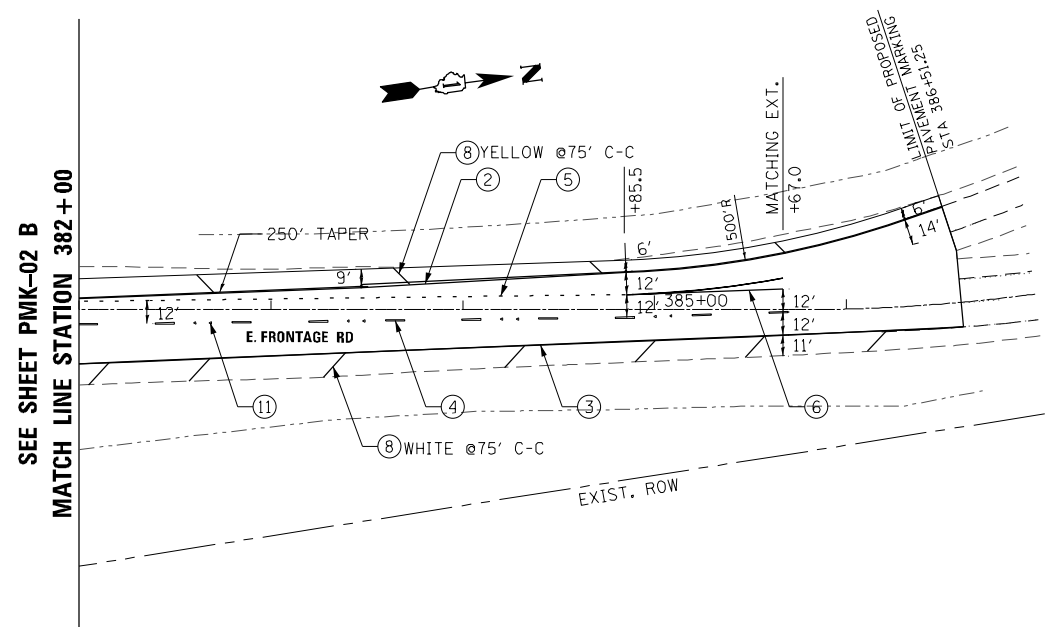


PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① 4" DOUBLE YELLOW @ 11" C-C (TYP) | ⑦ 8" WHITE LINE |
| ② 4" YELLOW SOLID LINE | ⑧ 12" WHITE LINE |
| ③ 4" WHITE SOLID LINE | ⑨ 24" WHITE STOP BAR |
| ④ 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑩ LETTERS AND SYMBOLS (TYP) |
| ⑤ 6" WHITE LINE (6' SKIP 2' DASH) | ⑪ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 3) |
| ⑥ 6" WHITE SOLID LINE | |

NOTES

- PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE THERMOPLASTIC.
- THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



FILE NAME = D:\6073-sht-PMK03.dgn
 PLOT SCALE = 1/8" = 100.0000' / 1" = 1000.0000'
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
 PAVEMENT MARKING PLAN**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

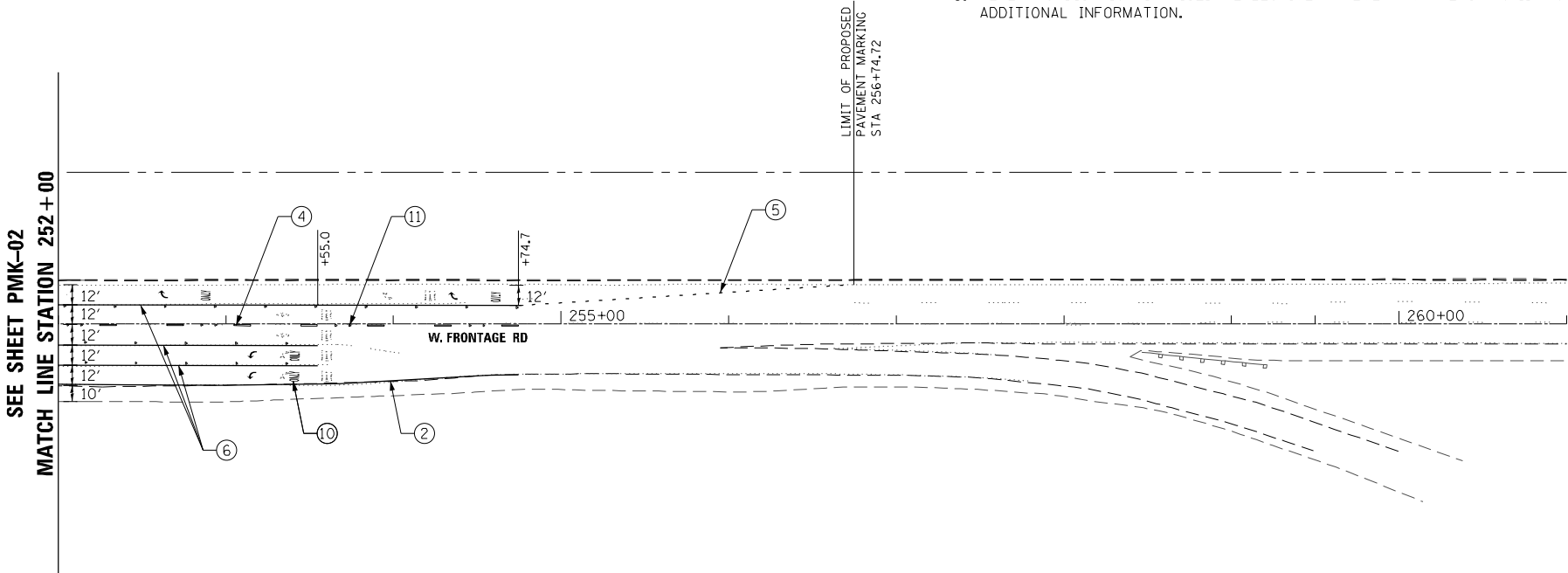
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	47
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

PMK-03

D:\6073-sht-PMK03.dgn

NOTES

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE THERMOPLASTIC.
2. THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① 4" DOUBLE YELLOW @ 11" C-C (TYP) | ⑦ 8" WHITE LINE |
| ② 4" YELLOW SOLID LINE | ⑧ 12" WHITE LINE |
| ③ 4" WHITE SOLID LINE | ⑨ 24" WHITE STOP BAR |
| ④ 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑩ LETTERS AND SYMBOLS (TYP) |
| ⑤ 6" WHITE LINE (6' SKIP 2' DASH) | ⑪ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 3) |
| ⑥ 6" WHITE SOLID LINE | |

FILE NAME = D:\6073-sht-PMK04.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	48
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PMK-04

D:\6073-sht-PMK04.dgn

SIGNING SCHEDULES

EXISTING SIGN PANELS													SIGN SUPPORTS						
STATION	LT/RT	MUTCD NO./LSHS	SIGN NO.	LEGEND/ DESCRIPTION	ACTION	Proposed Station	Proposed Offset	"AA" (L.F.)	"BB" (L.F.)	EXISTING PANEL DIMENSIONS		SIGN AREA (SQ FT)	72800100 - TELESCOPING STEEL SIGN SUPPORT			73000100 WOOD SIGN SUPPORT			
													P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)	P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)	
122+94.2	4.0' LT		E-01	KEEP RIGHT / NO U-TURN	TO BE REMOVED														
123+65.0	3.3' RT		E-02	KEEP RIGHT / NO U-TURN	TO BE REMOVED														
126+79.7	4.9' LT		E-03	KEEP RIGHT / NO U-TURN	TO BE RELOCATED	126+72.5	5.9' LT												
126+93.2	66' LT		E-04	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	126+92.8	64.8' LT												
127+52.9	55.6 RT		E-05	TWO-DIRECTION ARROW	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	127+25.9	62.5' RT												
127+76.5	1.5' LT		E-06	KEEP RIGHT / NO U-TURN	TO BE RELOCATED	127+95.0	1.4' LT												
127+68.8	61.7' LT		E-07	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	127+85.7	67.3' LT												
131+47.7	67.4' RT		E-08	EAST 290, SOUTH IL-53, RIGHT LANE TO 90, NORTH IL-53, LEFT LANE	TO BE RELOCATED	130+50.0	61.4' RT												
135+99.1	72.9' RT		E-09	MOVEMENT LANE CONTROL	TO BE REMOVED														
				TEMPORARY TRAFFIC CONTROL LEFT ON GREEN ARROW ONLY	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	135+93.7	72.9' RT												
137+27.0	96.4' RT		E-10	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED	137+90.0	106.2' RT												
137+96.0	76.6' RT		E-11	NO TURN ON RED	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	137+37.4	65.7' RT												
				MON-FRI, 7AM - 7PM	TO BE REMOVED														
137+66.6	108.3' RT		E-12	NO TURN ON RED	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	137+89.8	111.4' RT												
				MON-FRI, 7AM - 7PM	TO BE REMOVED														
138+20.6	80.6' RT		E-13	SPEED LIMIT 40	TO BE RELOCATED TO EXISTING LIGHT POLE	139+23.4	82.6' RT												
135+93.9	81.1' LT		E-14	LEFT ON GREEN ARROW ONLY	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	135+93.8	84.0' LT												
137+34.0	71.3' LT		E-15	LEFT ON GREEN ARROW ONLY	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	137+23.9	75.0' LT												
				TEMPORARY TRAFFIC CONTROL															
144+95.8	1.7' LT	R4-7	E-16	KEEP RIGHT	TO BE RELOCATED TO NEW POST	144+09.0	1.7' LT		7	2.0	2.5	5.0	14		14				
		R3-2		NO LEFT TURN							2.0	2.0	4.0						
146+13.5	5.3' RT	R4-7	E-17	KEEP RIGHT	TO BE RELOCATED TO NEW POST	146+28.5	12.1' RT		7	2.0	2.5	5.0	18		18				
		R3-2		NO LEFT TURN					2.0	2.0	4.0								
		R10-5		LEFT ON GREEN ARROW ONLY					2.0	3.0	6.0								
		R3-5		LEFT TURN ARROW	TO BE REMOVED				2.0	2.5	5.0								
145+22.3	56.3' RT		E-18	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED	145+22.3	56.3' RT												
145+22.3	62.9' RT		E-19	SOUTH, IL-53, DIRECTIONAL ARROW	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	145+15.9	62.6' RT												
145+01.1	61.6' LT		E-20	WEST, IL-73, DIRECTIONAL ARROW	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	145+04.6	60.0' LT												
				TEMPORARY TRAFFIC CONTROL															
145+78.5	65.3' LT	R3-2	E-21	NO LEFT TURN	TO BE RELOCATED TO NEW WOOD POST	145+78.5	65.3' LT				2.0	2.0	4.0	18.0		18			
		M3-2		EAST						2.0	1.0	2.0							
				IL-72						2.0	2.0	4.0							
				DIRECTIONAL ARROW						2.0	1.0	2.0							
		M6-1		TEMPORARY TRAFFIC CONTROL															
153+60.6	60.1' RT		E-22	BIKE PATH	TO BE REMOVED														
				NO LEFT TURN	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	153+51.7	60.9' RT												
				TEMPORARY TRAFFIC CONTROL															
154+53.2	106.8' RT		E-23	BIKE PATH	TO BE REMOVED														
154+19.6	60.5' RT		E-24	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	154+32.9	62.0' RT												
254+27.6	5.6' LT	R10-5	E-25	LEFT ON GREEN ARROW ONLY	TO BE RELOCATED TO NEW POST	154+29.0	5.2' LT				2.0	3.0	6.0	18		18			
		R4-7		KEEP RIGHT						2.0	2.5	5.0							
		R3-2		NO LEFT TURN						2.0	2.0	4.0							
154+83.7	5.1' LT		E-26	NOTICE	TO BE REMOVED														
155+01.8	86.6' LT		E-27	BIKE PATH, ARROW	TO BE REMOVED FROM LIGHT POLE														
154+51.0	93.9' LT		E-28	NO TURN ON RED	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	154+21.4	113.6' LT												
				WHEN PEDESTRIAN IS PRESENT	TO BE REMOVED														
154+09.6	62.9' RT		E-29	TEMPORARY TRAFFIC CONTROL	TO BE RELOCATED	154+16.2	55.1' RT												
				NO TURN ON RED	TO BE REMOVED														
154+05.3	70.2' RT		E-30	WHEN PEDESTRIAN IS PRESENT	TO BE REMOVED														
				TO 90, NORTH, IL-53, ARROW	TO BE RELOCATED TO NEW TRAFFIC SIGNAL POST	154+16.2	60.3' RT												
153+10.4	12.2' RT	R4-7	E-31	KEEP RIGHT	TO BE RELOCATED TO NEW POST	153+10.4	12.2' RT				2.0	2.5	5.0	18		18			
		R3-2		NO LEFT TURN						2.0	2.0	4.0							
		R10-5		LEFT ON GREEN ARROW ONLY						2.0	3.0	6.0							
				DOUBLE ARROW "ONLY"						2.0	2.5	5.0							

FILE NAME = D:\6073-sht-SGN01-Schedules.dgn
 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)
SIGNING SCHEDULES

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	49
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SGN-01

D:\6073-sht-SGN01-Schedules.dgn

SIGNING SCHEDULES

EXISTING SIGN PANELS													SIGN SUPPORTS																		
STATION	LT/RT	MUTCD NO./LSHS	SIGN NO.	LEGEND/ DESCRIPTION	ACTION	Proposed Station	Proposed Offset	"AA" (L.F.)	"BB" (L.F.)	EXISTING PANEL DIMENSIONS		SIGN AREA (SQ FT)	72800100 - TELESCOPING STEEL SIGN SUPPORT			73000100 WOOD SIGN SUPPORT															
										WIDTH (L.F.)	HEIGHT (L.F.)		P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)	P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)													
53+03.2	31.5LT		E-32	ADVANCE INTERSECTION LANE CONTROL	TO BE REMOVED																										
53+03.6	18.1RT		E-33	ADVANCE INTERSECTION LANE CONTROL	TO BE REMOVED																										
57+32.4	27.1RT		E-34	WRONG WAY	TO BE RELOCATED	57+32.4	32RT																								
35+57.0	53.1RT		E-35	NO TURN ON RED	TO BE RELOCATED TO LIGHT POLE	35+60.0	RT																								
				MON-FRI, 7AM - 7PM	TO BE REMOVED																										
37+11.9	54RT		E-36	MOVEMENT LANE CONTROL	TO BE RELOCATED	37+11.9	65.2RT																								
				NO PARKING ANYTIME																											
38+23.1	55RT		E-37	BIKE ROUTE	TO BE RELOCATED	038+22.3	49 RT																								
TOTAL																															

PROPOSED SIGN PANELS													SIGN SUPPORTS						BREAKAWAY STEEL SIGN SUPPORT						
STATION	LT/RT	MUTCD NO./LSHS	SIGN NO.	LEGEND/ DESCRIPTION	"AA" (L.F.)	"BB" (L.F.)	PROPOSED PANEL DIMENSIONS		SIGN AREA (SQ FT)	72000100 SIGN PANEL - TYPE 1 (SQ FT)	72000300 SIGN PANEL - TYPE 3 (SQ FT)	72800100 - TELESCOPING STEEL SIGN SUPPORT			73000100 WOOD SIGN SUPPORT			POST SIZE	P1 (L.F.)	P2 (L.F.)	P3 (L.F.)	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY (FOUND)	73400100 CONCRETE END (CU. YD.)		
							WIDTH (L.F.)	HEIGHT (L.F.)				P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)	P1 (L.F.)	P2 (L.F.)	PAY LENGTH (L.F.)								
121+83.0	59.0' RT	W3-3	SGN-WP-01-(P)	SIGNAL AHEAD		7	3.0	3.0	9.0	9.0	-														
		W16-8P		MALL DR				2.0	0.75	1.5	1.5	-				16									
123+28.2	5.8' LT	R3-5L	SGN-TS-02-(P)	LEFT "ONLY" ARROW		7	2.5	3.0	7.5	7.5	-														
		R6-2 (RIGHT)		ONE WAY				2.5	3.0	7.5	7.5	-	18												
		R6-2 (RIGHT)		ONE WAY				2.5	3.0	7.5	7.5	-													
131+60.0	68.8' RT	W3-3	SGN-LP-03-(P)	SIGNAL AHEAD		7	3.0	3.0	9.0	9.0	-														
		W16-8P		MARTINGALE RD				3.0	0.75	2.3	2.3	-													
132+00.0	78.9' RT		SGN-CL-04-(P)	EAST 290 TO CHICAGO/SOUTH MARTINGALE RD			15.5	16.0	248.0	-	248.0														
133+18.1	58.7' LT	W3-3	SGN-LP-05-(P)	SIGNAL AHEAD		7	3.0	3.0	9.0	9.0	-														
		W16-8P		MALL DR				2.0	0.8	1.5	1.5	-				16									
133+31.0	5.7' LT		SGN-TS-06-(P)	LEFT "ONLY" ARROW		7	2.5	3.0	7.5	7.5	-	15													
135+64.8	4.8' LT		SGN-TS-07-(P)	KEEP RIGHT		7	2.0	2.5	5.0	5.0	-	15													
137+42.0	5.0' RT		SGN-TS-08-(P)	KEEP RIGHT		7	2.0	2.5	5.0	5.0	-	15													
138+63.5	7.8' RT		SGN-LP-09-(P)	NO TURN ON RED		7	2.5	3.0	7.5	7.5	-														
140+50.0	6.2' RT		SGN-TS-10-(P)	LEFT "ONLY" ARROW		7	2.5	3.0	7.5	7.5	-	15													
142+93.8	70.8' LT	W3-3	SGN-LP-11-(P)	SIGNAL AHEAD		7	3.0	3.0	9.0	9.0	-														
		W16-8P		MARTINGALE RD				3.0	0.8	2.3	2.3	-													
144+97.2	130.3RT		SGN-LP-12-(P)	NO TURN ON RED		7	2.5	3.0	7.5	7.5	-														
145+15.9	62.6RT		SGN-LP-13-(P)	NO TURN ON RED		7	2.5	3.0	7.5	7.5	-														
145+88.9	128.5RT		SGN-LP-14-(P)	NO TURN ON RED		7	2.5	3.0	7.5	7.5	-														
149+72.0	12.5 LT	R3-8LL	SGN-TS-14A-(P)	DUAL LEFT "ONLY" ARROW		7	2.5	2.5	6.3	6.3	-	17													
		R3-8LL		DUAL LEFT "ONLY" ARROW				2.5	2.5	6.3	6.3	-													
53+06.0	18.0RT		SGN-TS-15-(P)	DUAL LEFT "ONLY" ARROW		7	2.5	2.5	6.3	6.3	-	17													
53+06.0	47.0LT		SGN-TS-16-(P)	DUAL LEFT "ONLY" ARROW		7	2.5	2.5	6.3	6.3	-	17													
56+44.0	33.2 RT		SGN-TS-16A-(P)	LEFT "ONLY" ARROW		7	2.5	3.0	7.5	7.5	-	17													
255+83.0	60.0RT		SGN-BS-17-(P)	I-290 EAST, IL-53 SOUTH, EAST/WEST IL-72		7	14.0	13.5	189.0	-	189.0								W10X22	28	29	31	2244	3.5	
255+83.0	41.0LT		SGN-BS-18-(P)	I-290 EAST, IL-53 SOUTH, EAST/WEST IL-72		7	14.0	13.5	189.0	-	189.0								W10X22	25	27	28	2094	3.5	
258+98.0	69.0RT		SGN-BS-19-(P)	EAST KEEP LEFT, IL-72, WEST KEEP RIGHT		7	14.0	9.0	126.0	-	126.0								W6X15	18	19	21	1082	2.1	
259+50.0	26.0RT	M2-1	SGN-TS-20-(P)	JCT		7	1.75	1.25	2.2	2.2	-														
		M1-H100		IL-72				2.0	2.0	4.0	4.0	-	15												
259+50.0	31.0LT	M2-1	SGN-TS-21-(P)	JCT		7	1.75	1.25	2.2	2.2	-														
		M1-H100		IL-72				2.0	2.0	4.0	4.0	-	15												
398+00.0	24.5LT	W3-3	SGN-WP-22-(P)	SIGNAL AHEAD		7	3.0	3.0	9.0	9.0	-														
		W16-8P		WOODFIELD RD				5.5	0.75	4.1	4.1	-				16									
36+18.0	66.04RT		SGN-TS-23-(P)	RIGHT LANE TO I-290 EAST/IL 53 SOUTH ONLY		7	2.5	2.50	6.3	6.3	-	15													
							137.0	124.8	937.3	185.3	752.0														

FILE NAME = D:\6073-sht-SGN02-Schedules.dgn
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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
SIGNING SCHEDULES**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302KITS&N-3	COOK	153	50
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

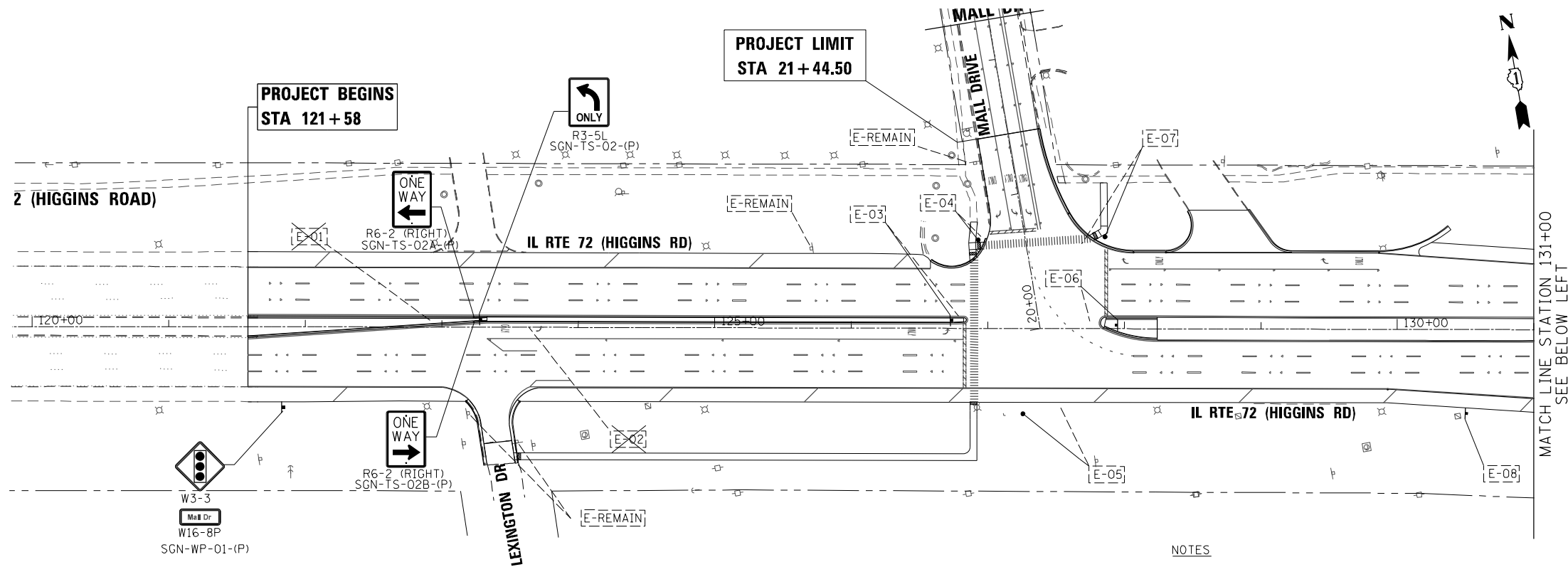
SGN-02

GUIDE SIGN SEQUENCE
NUMBERING CODE
EXAMPLE
NB-TR-34-(R)

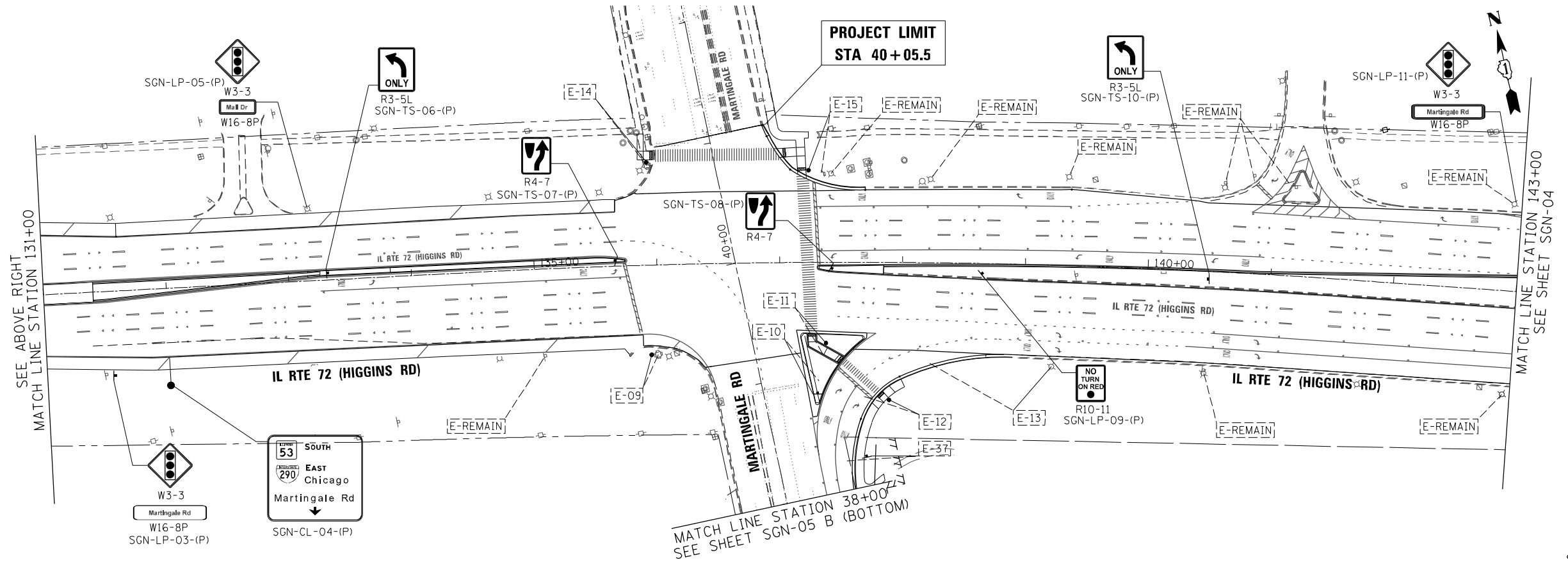
DIRECTION OF TRAFFIC	REMOVE (R)	PROPOSED (P)	EXISTING (E)
SGN - SIGN	SIGN PANEL NUMBER		
MOUNTING TYPE		MOUNTING TYPE	
TR - TRUSS	CY - CANOPY MOUNTED		
CL - CANTILEVER	CW - CONCRETE WALL		
BR - BRIDGE MOUNTED	ST - STEEL TUBULAR		
WP - WOOD POST	LP - LIGHT POLE		
TS - TELESCOPING STEEL	MP - METAL POST		
BS - BREAKAWAY STEEL			

SIGNING LEGEND

- METAL POST TYPE A OR B
- NEW SIGN PANEL TYPE 1 OR 2 WITH MUTCD CODE AND SIGN NUMBER
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO REMAIN



- NOTES**
1. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EXISTING MAST-ARM MOUNTED SIGNAGE NOT PROPOSED TO BE REPLACED, INCLUDING ALL VERTICAL FOLDED STOP SIGNS AND BLOCK NUMBER SIGNS.
 2. ALL EXISTING BIKE ROUTE SIGNS WITHIN THE PROJECT LIMITS (ALONG EAST/WEST FRONTAGE ROADS AND WOODFIELD ROAD) SHALL BE REMOVED AND REINSTALLED.



FILE NAME = D:\6073-sh1-SGN03.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = Millennium Professional Services

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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

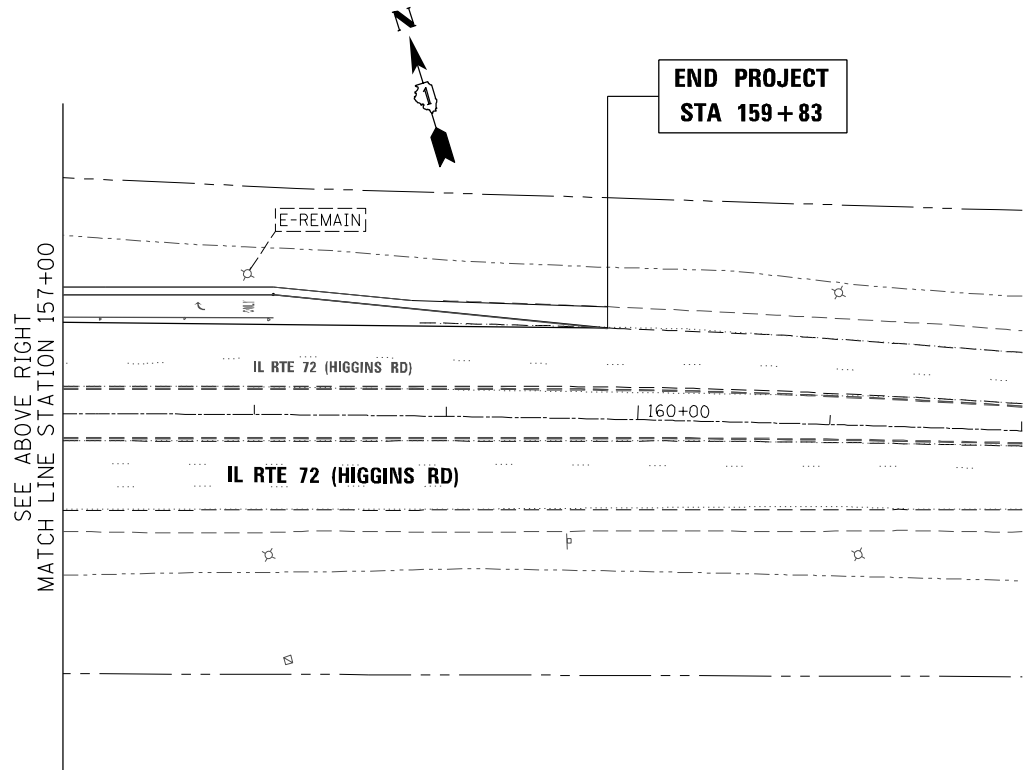
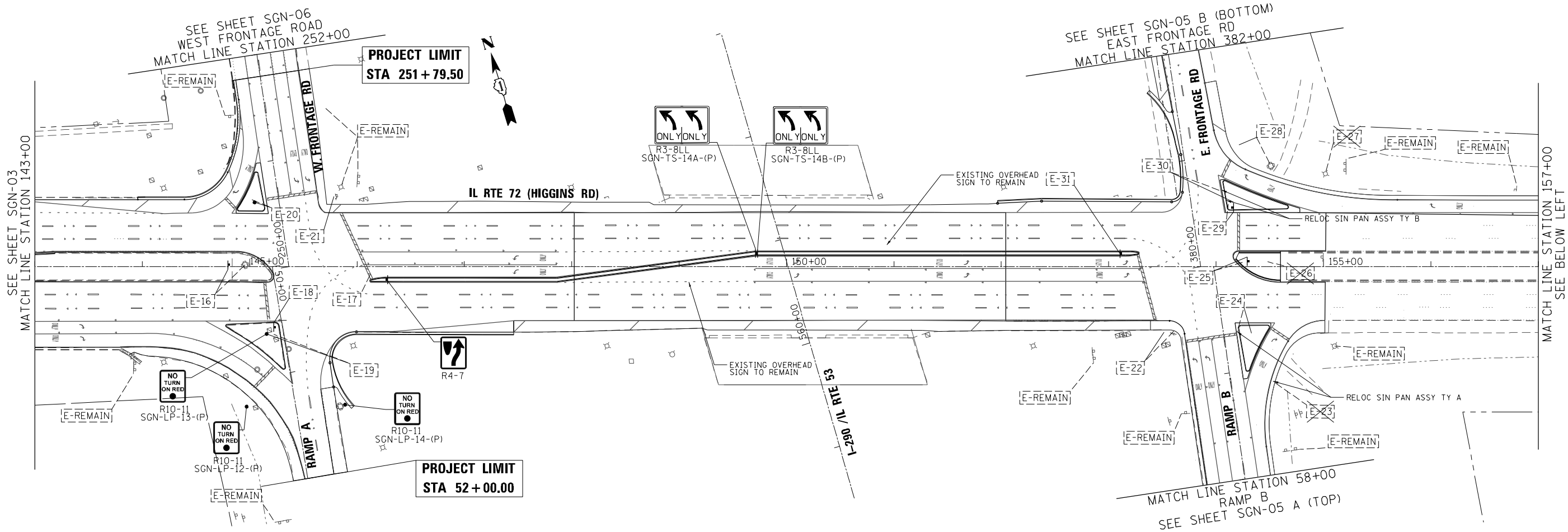
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 72 (HIGGINS ROAD)			
SIGNING PLAN			
SCALE: 1=50	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	51
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO.	60Y73

SGN-03

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GUIDE SIGN SEQUENCE NUMBERING CODE
 EXAMPLE: NB-TR-34-(R)

DIRECTION OF TRAFFIC
 SGN - SIGN

MOUNTING TYPE
 TR - TRUSS
 CL - CANTILEVER
 BR - BRIDGE MOUNTED
 WP - WOOD POST
 TS - TELESCOPING STEEL
 BS - BREAKAWAY STEEL

**REMOVE (R)
 PROPOSED (P)
 EXISTING (E)**

SIGN PANEL NUMBER
 MOUNTING TYPE
 CY - CANOPY MOUNTED
 CW - CONCRETE WALL
 ST - STEEL TUBULAR
 LP - LIGHT POLE
 MP - METAL POST

SIGNING LEGEND

- METAL POST TYPE A OR B
- NEW SIGN PANEL TYPE 1 OR 2 WITH MUTCD CODE AND SIGN NUMBER
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO REMAIN

FILE NAME = D:\6073-sht-SGN04.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = Millennia Professional Services

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DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

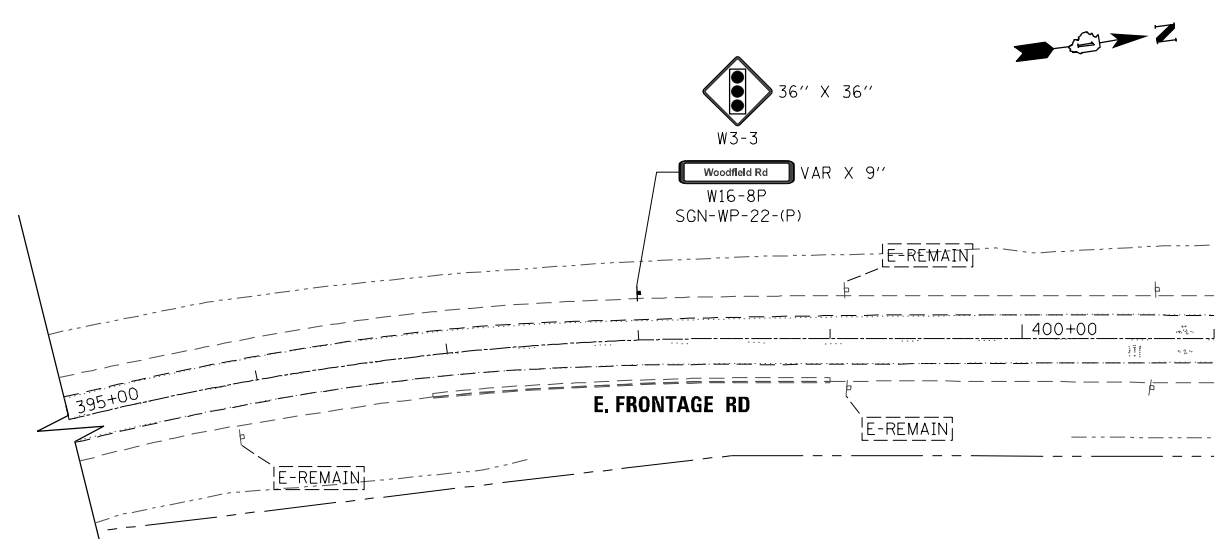
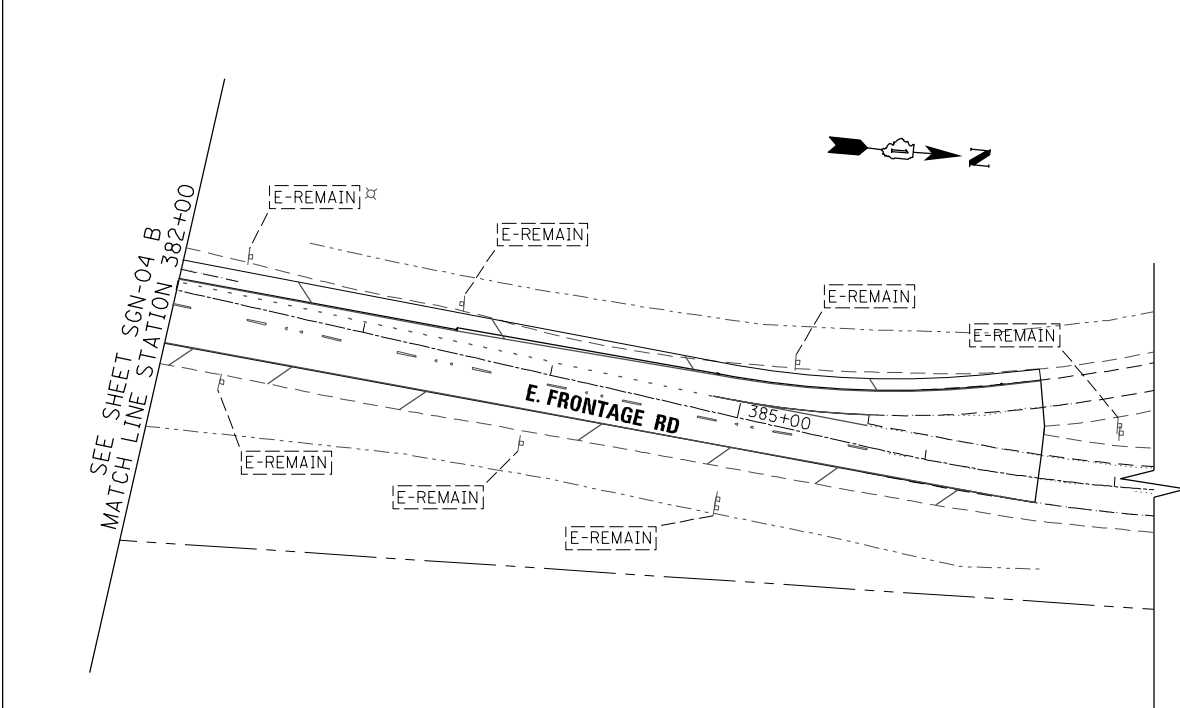
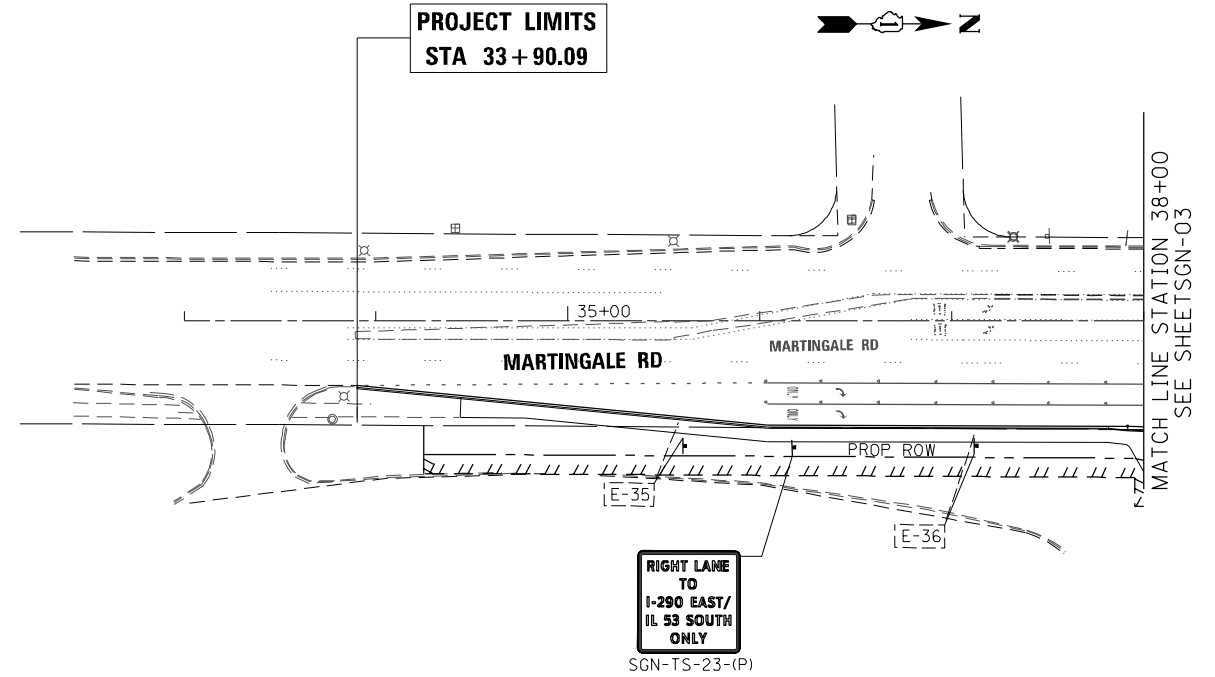
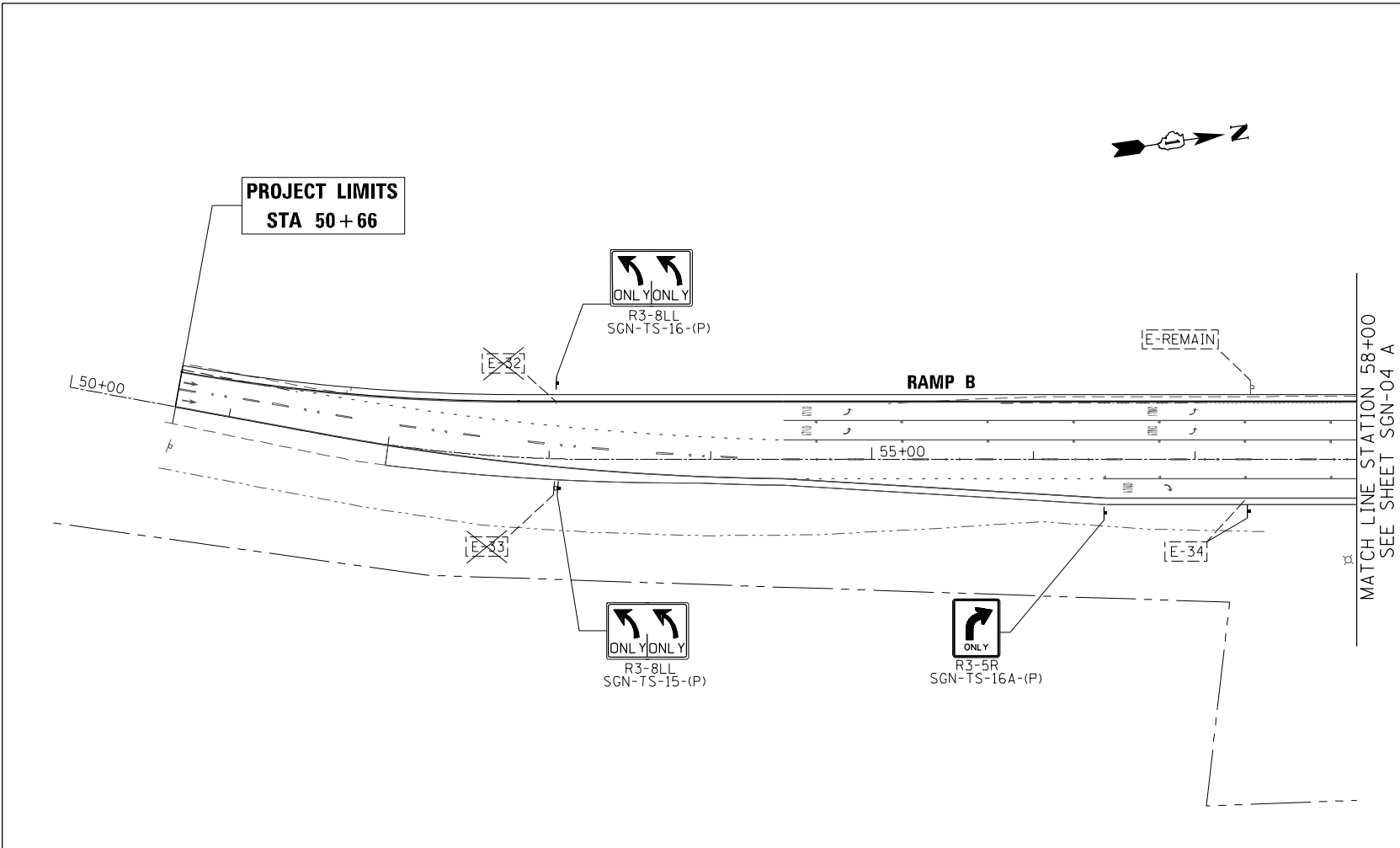
**IL RTE 72 (HIGGINS ROAD)
 SIGNING PLAN**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	52	
CONTRACT NO.				60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

SGN-04

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SIGNING LEGEND

- METAL POST TYPE A OR B
- NEW SIGN PANEL TYPE 1 OR 2 WITH MUTCD CODE AND SIGN NUMBER
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO REMAIN

GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE

DIRECTION OF TRAFFIC	SGN - SIGN	MOUNTING TYPE	REMOVE (R) PROPOSED (P) EXISTING (E)	SIGN PANEL NUMBER	MOUNTING TYPE
NB	TR-34	TR	(R)	34	TR

TR - TRUSS
 CL - CANTILEVER
 BR - BRIDGE MOUNTED
 WP - WOOD POST
 TS - TELESCOPING STEEL
 BS - BREAKAWAY STEEL
 CY - CANOPY MOUNTED
 CW - CONCRETE WALL
 ST - STEEL TUBULAR
 LP - LIGHT POLE
 MP - METAL POST

FILE NAME = D:\6073-sht-SGN05.dgn
 PLOT SCALE = 100.0000 / in.
 USER NAME = Millennia Professional Services

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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

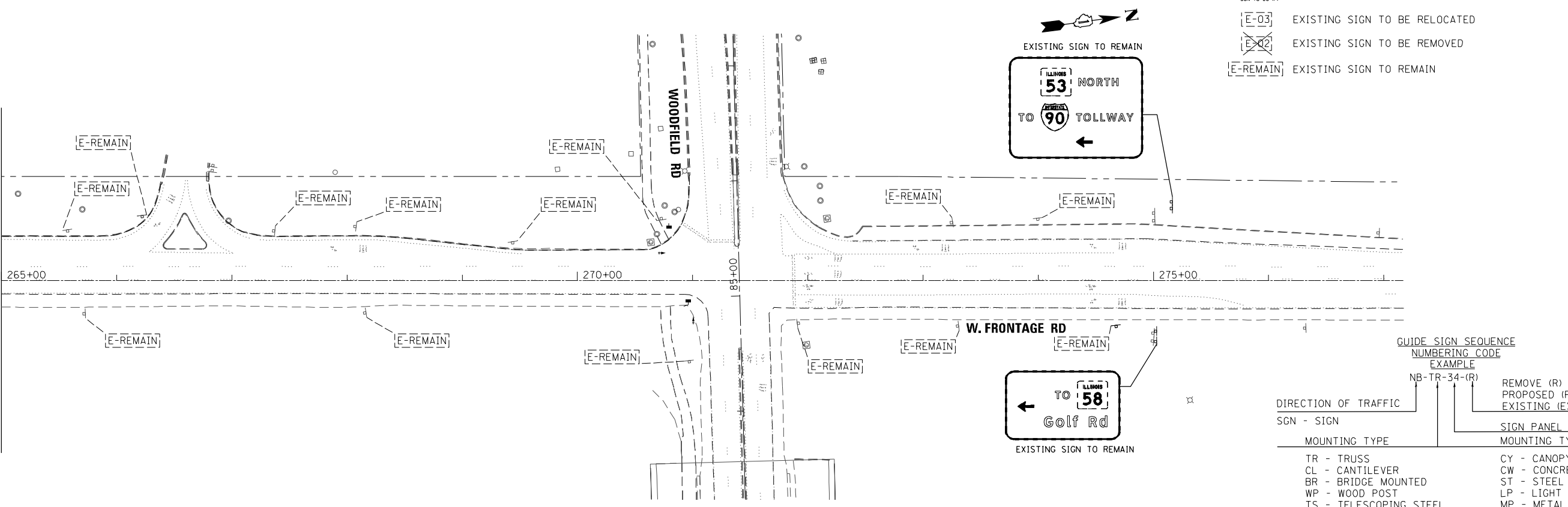
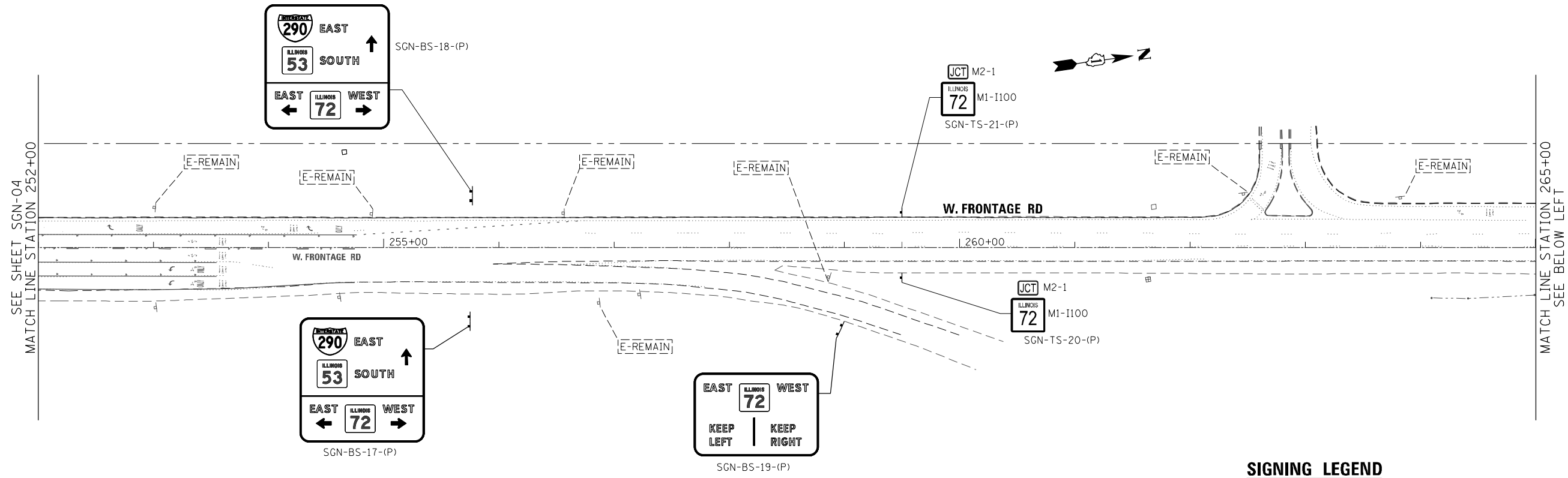
**IL RTE 72 (HIGGINS ROAD)
SIGNING PLAN**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	60Y73

SGN-05

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SIGNING LEGEND

- METAL POST TYPE A OR B
- NEW SIGN PANEL TYPE 1 OR 2 WITH MUTCD CODE AND SIGN NUMBER
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO REMAIN

GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE

NB-TR-34-(R)	REMOVE (R)
	PROPOSED (P)
	EXISTING (E)

DIRECTION OF TRAFFIC

SGN - SIGN

MOUNTING TYPE

TR - TRUSS	CY - CANOPY MOUNTED
CL - CANTILEVER	CW - CONCRETE WALL
BR - BRIDGE MOUNTED	ST - STEEL TUBULAR
WP - WOOD POST	LP - LIGHT POLE
TS - TELESCOPING STEEL	MP - METAL POST
BS - BREAKAWAY STEEL	

FILE NAME = D:\60773-sht-SCN06.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = Millennia Professional Services

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DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
SIGNING PLAN**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

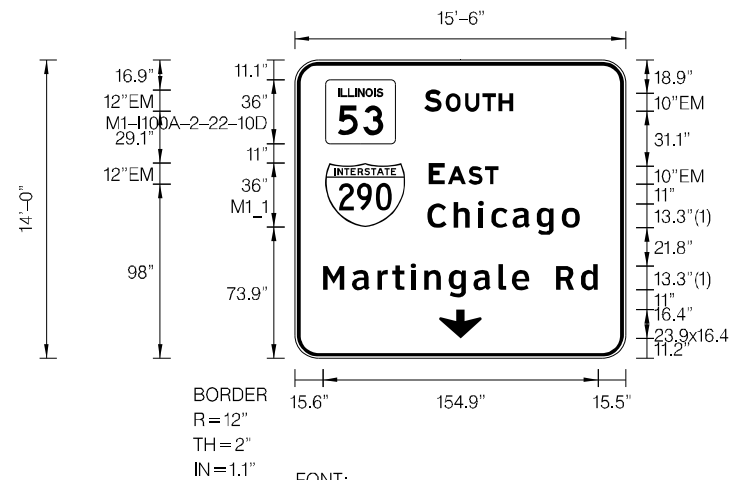
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	54
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

SGN-06

D:\60773-sht-SCN06.dgn

SIGN DETAIL

1:100



BORDER
R=12"
TH=2"
IN=1.1"
FONT:
(1) ClearviewHwy-5-W

Panel Style: OHgreen15.5x14.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN-CL-04-(P)
WIDTH x HGHT.	15'-6" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective - ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective - ZZ
	COLOR: RGB[254,254,254]White

SYMBOL	ROT	X	Y	WID	HT
M1-100A-2-22-10D		652.3	870.8	39.3	36
M1_1	0	652	823.8	45	36
ARDOWN	0	716.1	761.2	23.9	16.4

LETTER POSITIONS (X)

																					LENGTH	SERIESSIZE		
S	O	U	T	H																		EM 2000		
707.8	719.8	730.6	740.5	749.7																		49.9	12,10	
E	A	S	T																				EM 2000	
710.4	720.9	732.4	742																				39	12,10
C	h	i	c	a	g	o																	ClearviewHwy-5-W	
709.4	724.1	738.1	745.4	757.4	771	785.1																	86	13,310.8
M	a	r	t	i	n	g	a	l	e		R	d											ClearviewHwy-5-W	
650.6	667.2	681.2	689.8	700.1	707.9	721.5	735.4	749.5	757.1	766.9	782	795.8											154.9	13,310.8

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USER NAME = Millennia Professional Services

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MILLENNIA PROFESSIONAL SERVICES

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CHECKED - TVN	REVISED -
DATE - 12/22/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

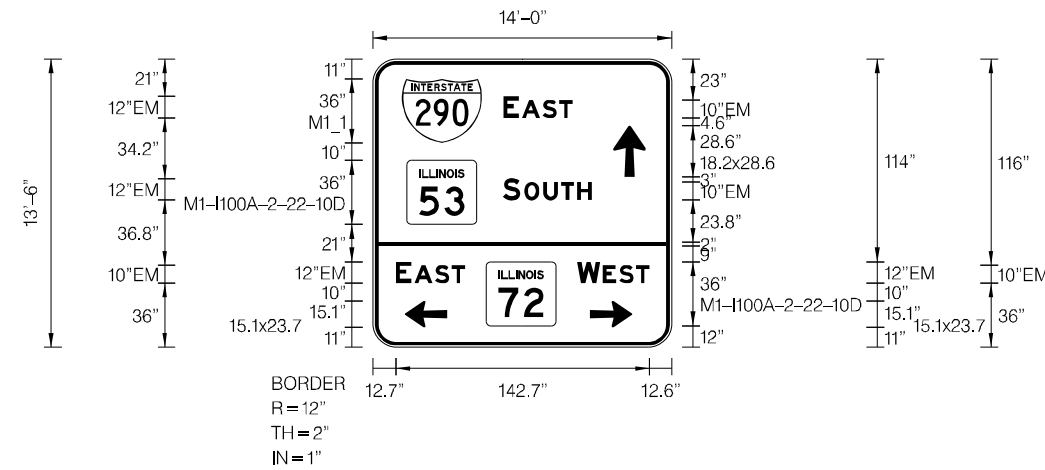
**IL RTE 72 (HIGGINS ROAD)
SIGNING DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	55
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

D:\6073-Sht-Sign01_Details.dgn

SIGN DETAIL
1:100



Panel Style: Green14x13.5.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN-BS-07-(P)SGN-BS-08-(P)
WIDTH x HGHT.	14'-0" x 13'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective - ZZ COLOR: Green
LEGEND/BORDER	TYPE: Reflective - ZZ COLOR: RGB[254,254,254]White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	660.3	867.9	45	36
AR_Type A	0	779.2	848.8	18.2	28.6
M1-I100A-2-22-10D		663.1	821.9	39.3	36
M1-I100A-2-22-10D		707.7	765	39.3	36
AR_Type A	90	661.9	763.9	15.1	23.7
AR_Type A	270	766.1	763.9	15.1	23.7

LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	Length	Series Size
E	717.2	867.9	39	EM 2000
A	727.7	867.9	39	EM 2000
S	739.3	867.9	39	EM 2000
T	748.9	867.9	39	EM 2000
S	717.1	763.9	49.9	EM 2000
O	729.1	763.9	49.9	EM 2000
U	739.9	763.9	49.9	EM 2000
T	749.8	763.9	49.9	EM 2000
H	759	763.9	49.9	EM 2000
E	656.7	867.9	39	EM 2000
A	667.2	867.9	39	EM 2000
S	678.8	867.9	39	EM 2000
T	688.3	867.9	39	EM 2000
W	759	763.9	40.5	EM 2000
E	773.3	763.9	40.5	EM 2000
S	782.5	763.9	40.5	EM 2000
T	792	763.9	40.5	EM 2000

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 USER NAME = Millennium Professional Services



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

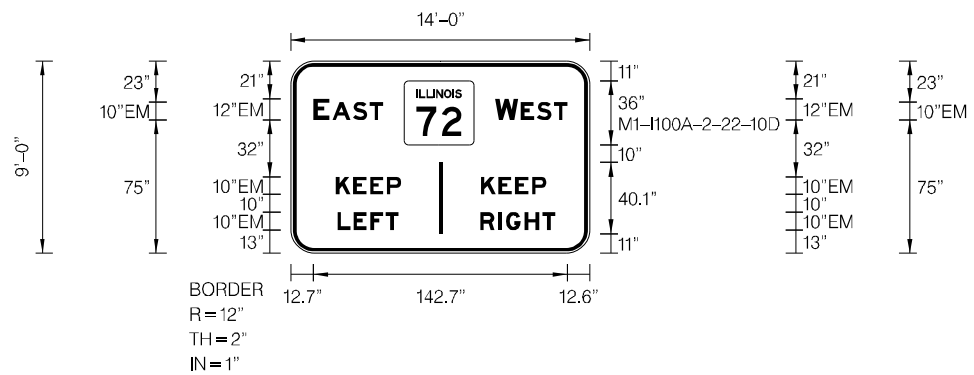
IL RTE 72 (HIGGINS ROAD)
SIGNING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	56
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SIGN DETAIL
1:100



SIGN NUMBER	SNG-BS-09-(P)
WIDTH x HGHT.	14'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective - ZZ COLOR: Green
LEGEND/BORDER	TYPE: Reflective - ZZ COLOR: RGB[254,254,254] White

SYMBOL	ROT	X	Y	WID	HT
M1-I100A-2-22-10D		707.7	840.9	39.3	36

Panel Style: Green14x9.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

					LENGTH	SERIESSIZE
E	A	S	T			EM 2000
656.7	667.2	678.7	688.3		39	12,10
W	E	S	T			EM 2000
758.9	773.3	782.4	792		40.5	12,10
K	E	E	P			EM 2000
689.2	679	688.4	697.9	706	37.5	10
K	E	E	P			EM 2000
750.9	760.7	770.1	779.6		36.8	10
L	E	F	T			EM 2000
670.1	679.1	688.6	697.1		34.4	10
R	I	G	H	T		EM 2000
750.5	760.7	765	775.5	785.4	42.3	10

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PLOT SCALE = 3/8" = 1'-0"
USER NAME = Millennium Professional Services

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DATE - 12/22/2015	REVISED -

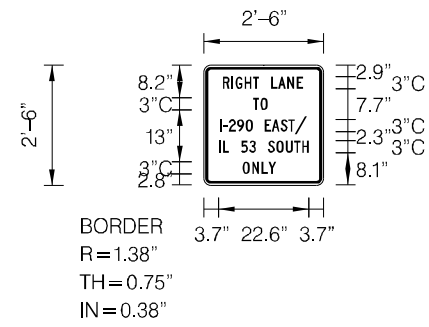
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
SIGNING DETAILS**

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

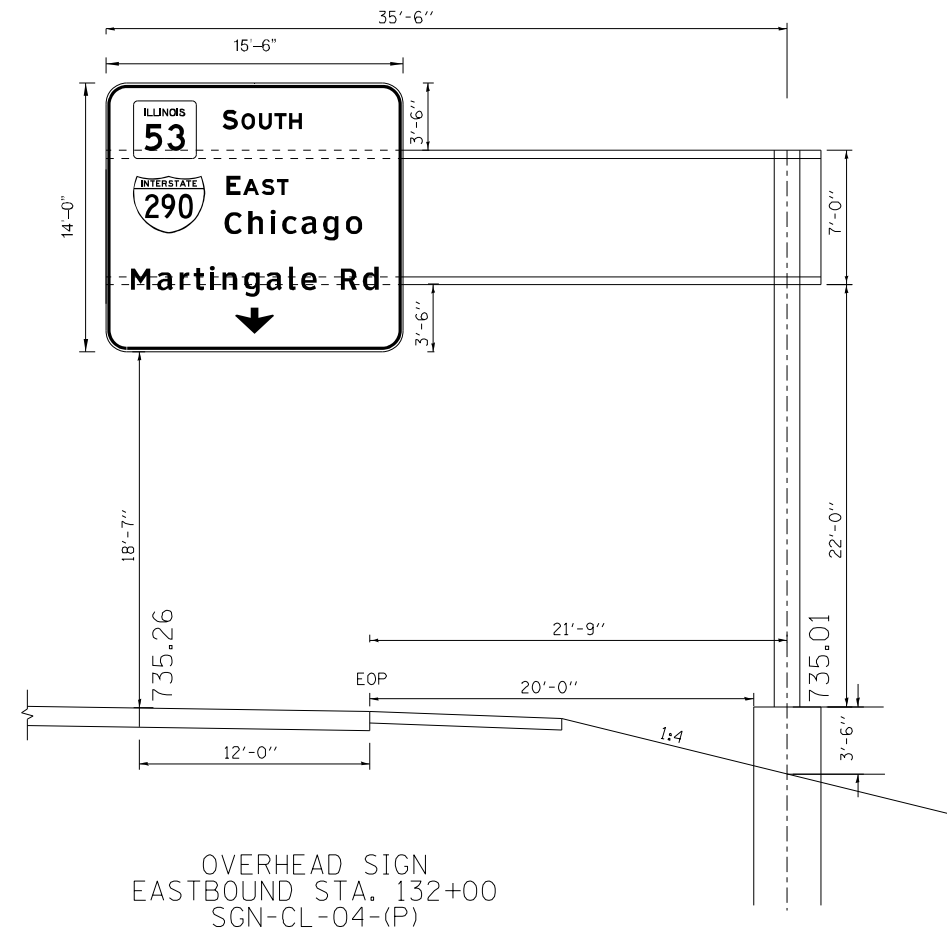
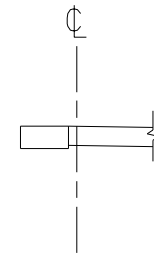
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302KITS&N-3)	COOK	153	57
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SGN-TS-23-(P)



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	6.25	1	AP	1

IL. RTE. 72



OVERHEAD SIGN
EASTBOUND STA. 132+00
SGN-CL-04-(P)

NOTE:

SEE STANDARD DRAWINGS SHEET 108 TO 113 FOR SIGN STRUCTURE DETAILS.

FILE NAME = D:\6073-shr-Sign\02_01_Layout.dgn
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 USER NAME = Millennia Professional Services



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DATE -	12/22/2015	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
CANTILEVER SIGN STRUCTURE DIAGRAM**

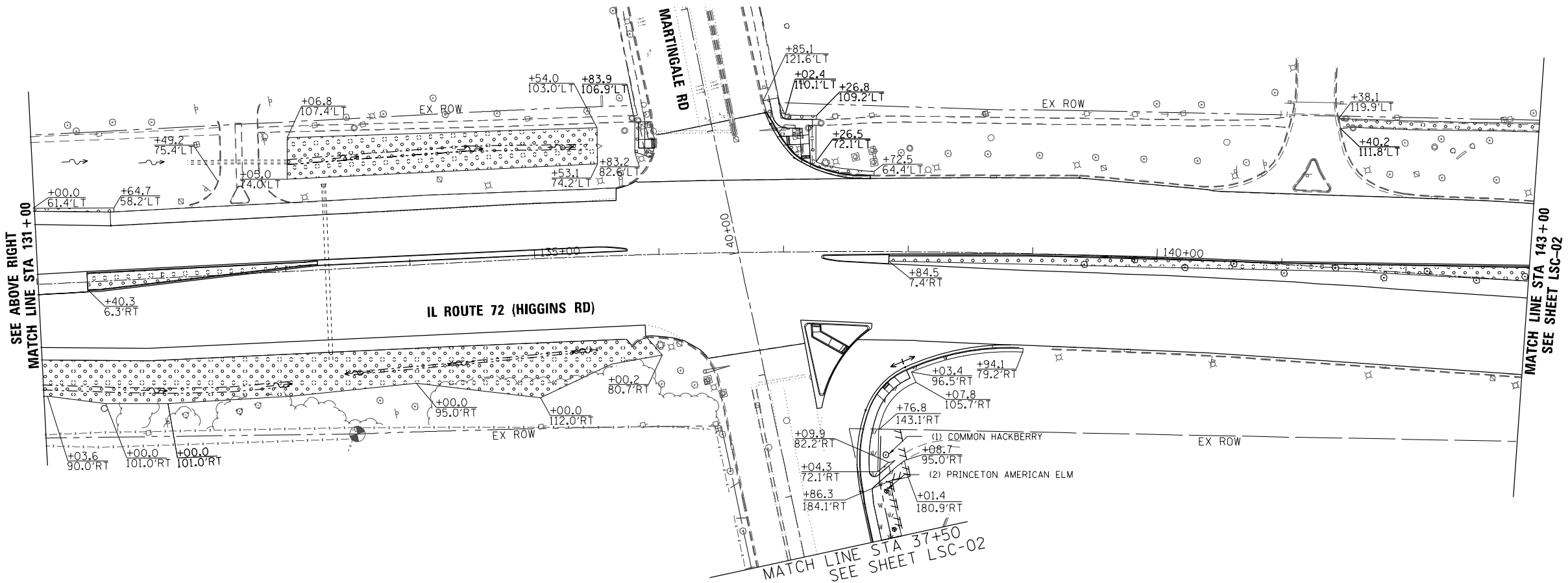
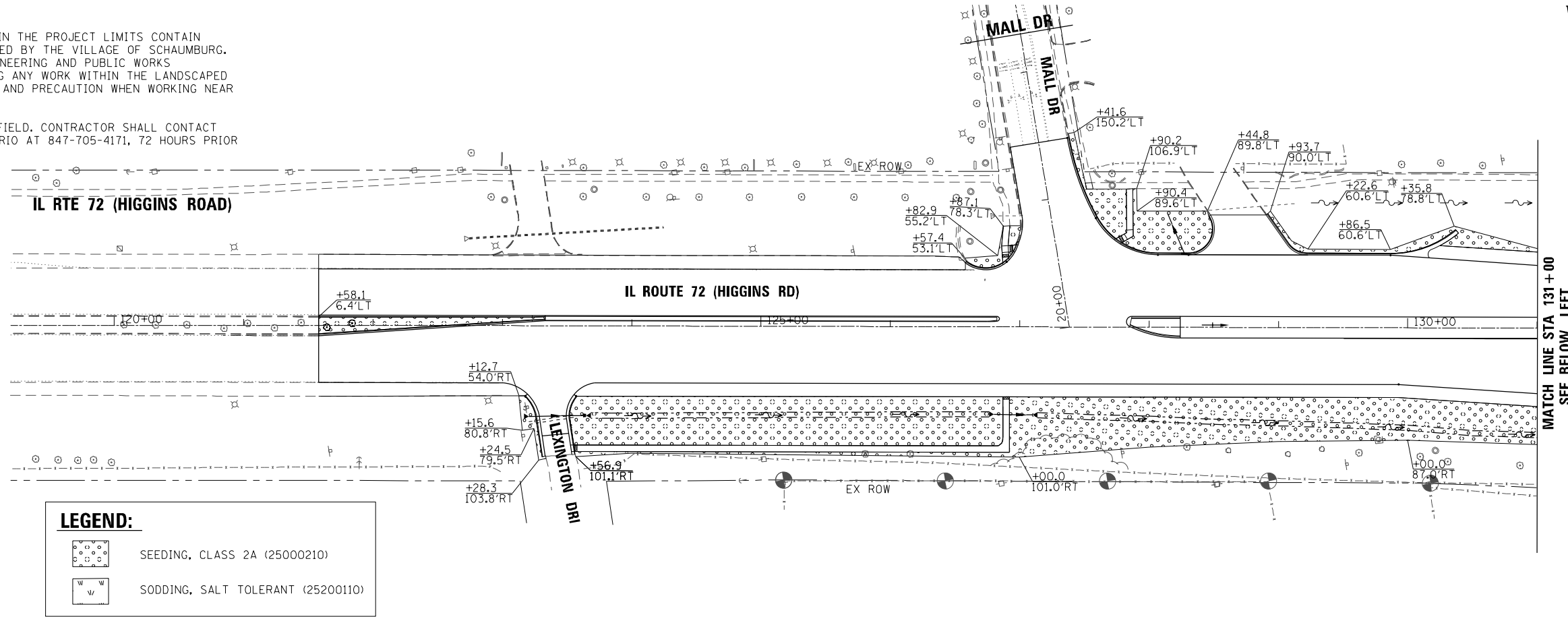
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	58
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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NOTES

1. LANDSCAPED MEDIANS ALONG ILLINOIS ROUTE 72 WITHIN THE PROJECT LIMITS CONTAIN AN IRRIGATION SYSTEM THAT IS OWNED AND MAINTAINED BY THE VILLAGE OF SCHAUMBURG. THE CONTRACTOR SHALL CONTACT THE VILLAGE'S ENGINEERING AND PUBLIC WORKS DEPARTMENT AT (847) 923-6600 PRIOR TO PERFORMING ANY WORK WITHIN THE LANDSCAPED MEDIANS. THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN WORKING NEAR THE IRRIGATION SYSTEM.
2. FINAL TREE LOCATIONS WILL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT, MELISSA DEL ROSARIO AT 847-705-4171, 72 HOURS PRIOR TO PLANTING FOR FINAL LAYOUT.



FILE NAME = D:\6073-sht-LSC01.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = Millennia Professional Services

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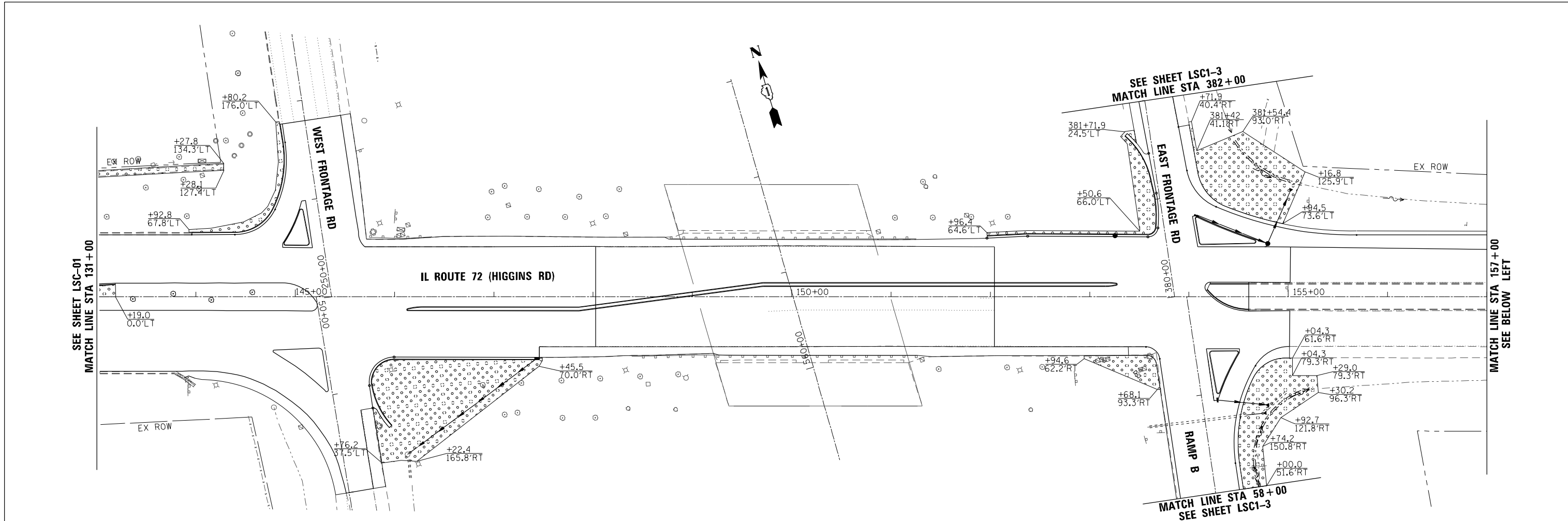
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS ROAD)			
LANDSCAPING PLAN			
SCALE: 1=50	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302)KITS&N-3	COOK	153	59
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

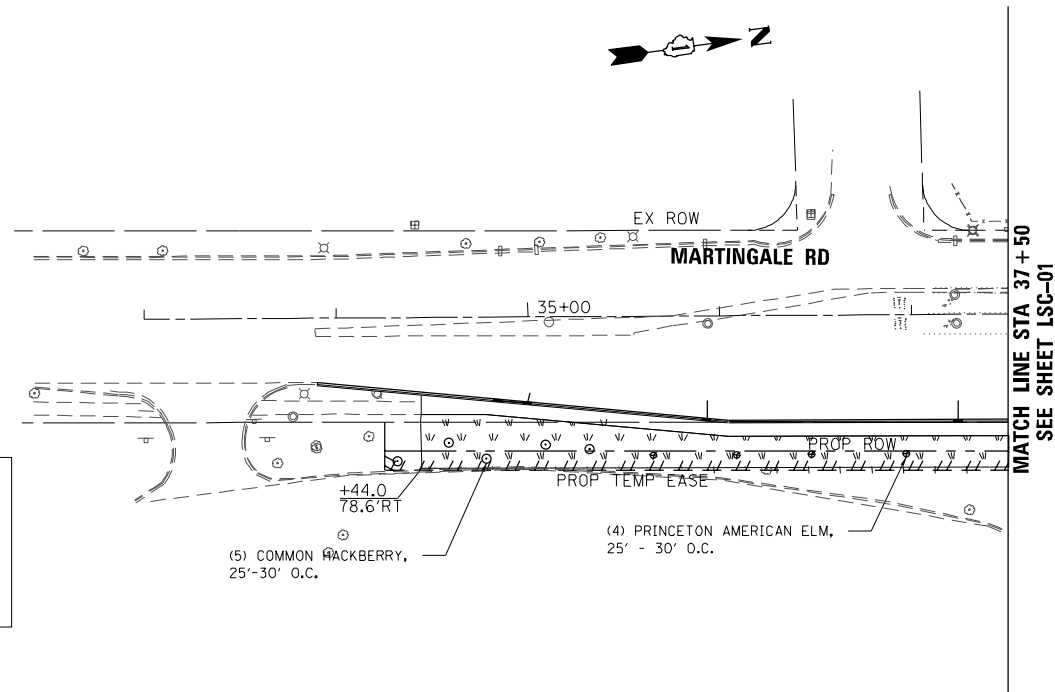
LSC-01

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NOTES

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- FINAL TREE LOCATIONS WILL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT, MELISSA DEL ROSARIO AT 847-705-4171, 72 HOURS PRIOR TO PLANTING FOR FINAL LAYOUT.



LEGEND:

- SEEDING, CLASS 2A (25000210)
- SODDING, SALT TOLERANT (25200110)

FILE NAME = D:\6073-sht-LSC02.dgn
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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 (HIGGINS ROAD)
 LANDSCAPING PLAN**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	60
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LSC-02

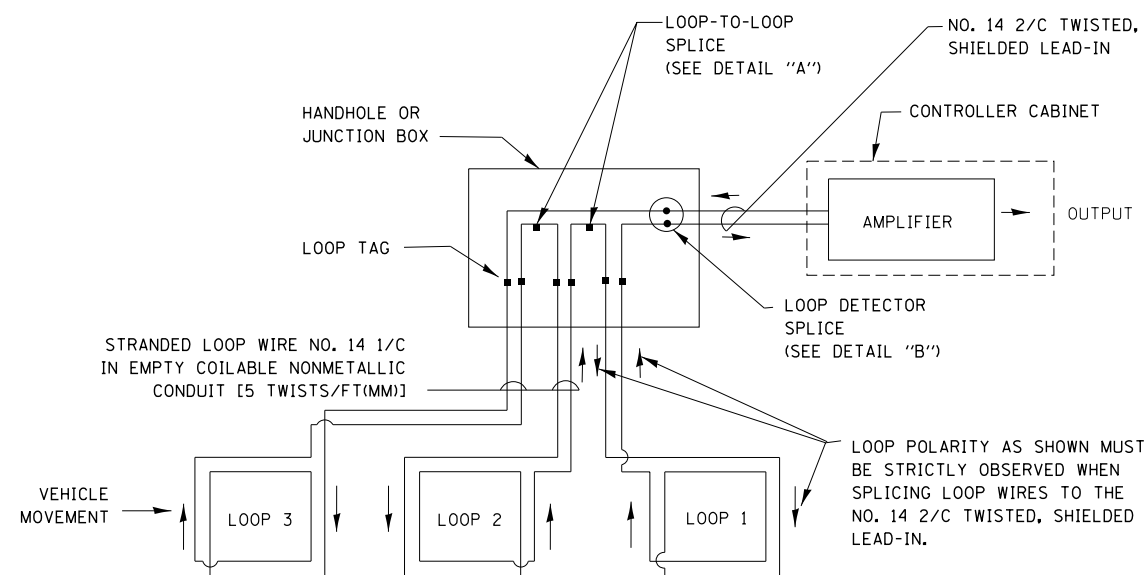
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TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED													
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F																
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F																
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR																
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR																
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR																
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">EXISTING</th> <th style="width: 50%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>			EXISTING	PROPOSED												
EXISTING	PROPOSED																							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED																				
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																				
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																				
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT																				
DETECTOR LOOP, TYPE I				RADIO REPEATER																				
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																				
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																				
VIDEO DETECTION CAMERA																								
VIDEO DETECTION ZONE																								
PAN, TILT, ZOOM CAMERA																								
WIRELESS DETECTOR SENSOR																								
WIRELESS ACCESS POINT																								

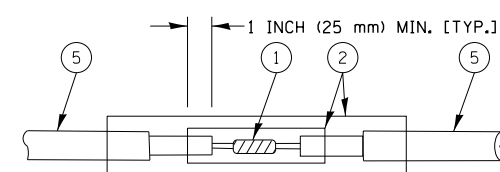
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

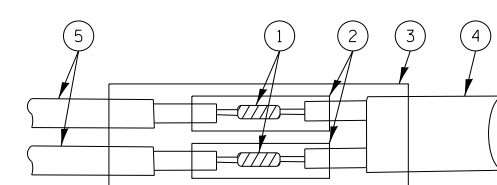


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

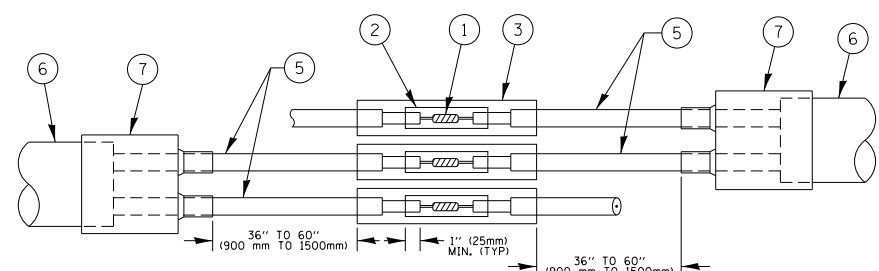


DETAIL "A"
LOOP-TO-LOOP SPLICE

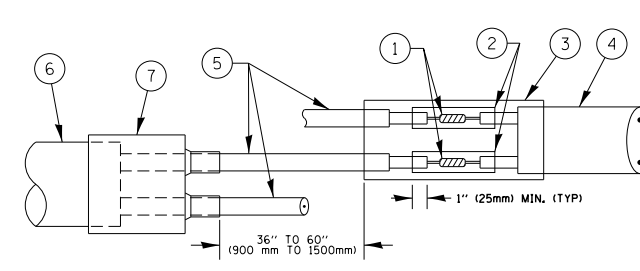


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

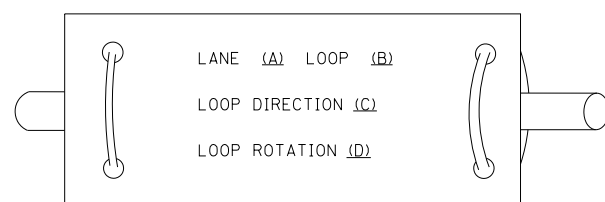


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.

- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

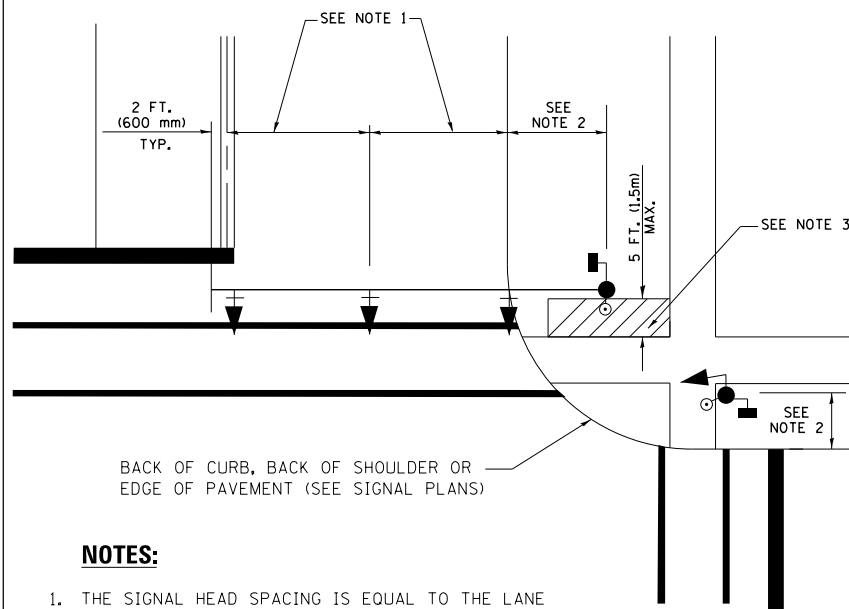
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	62
TS-05			CONTRACT NO. 60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

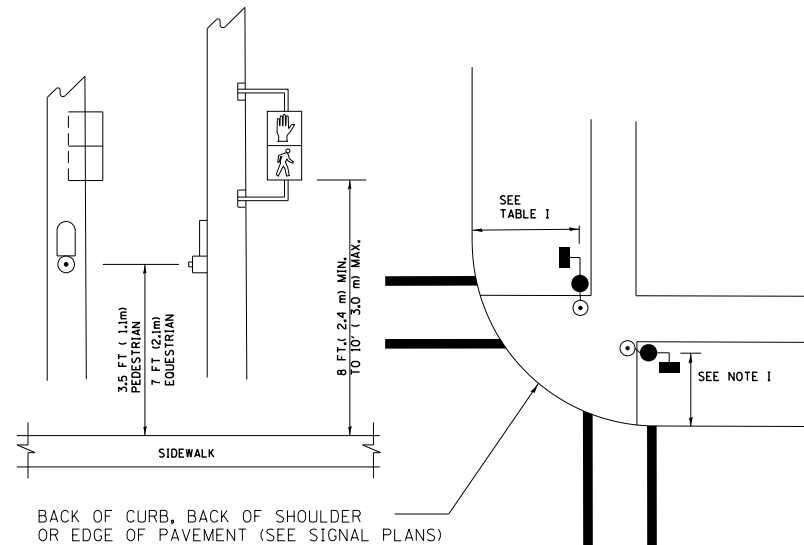
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

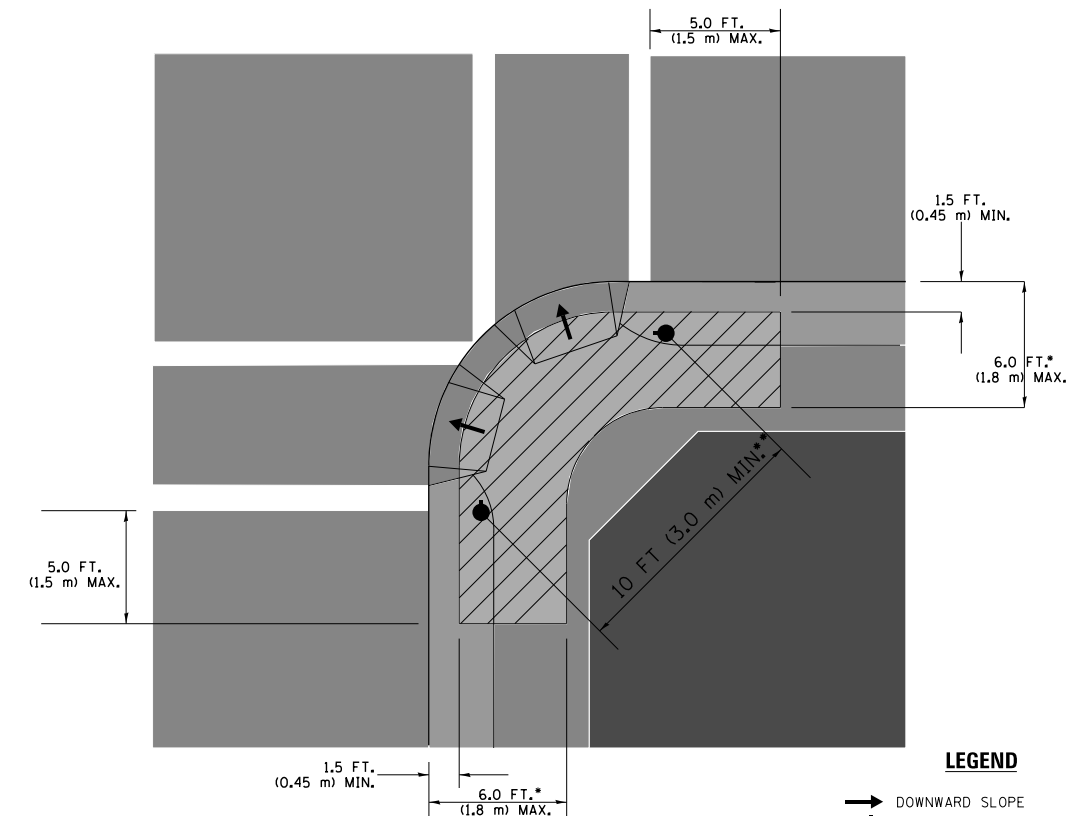
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

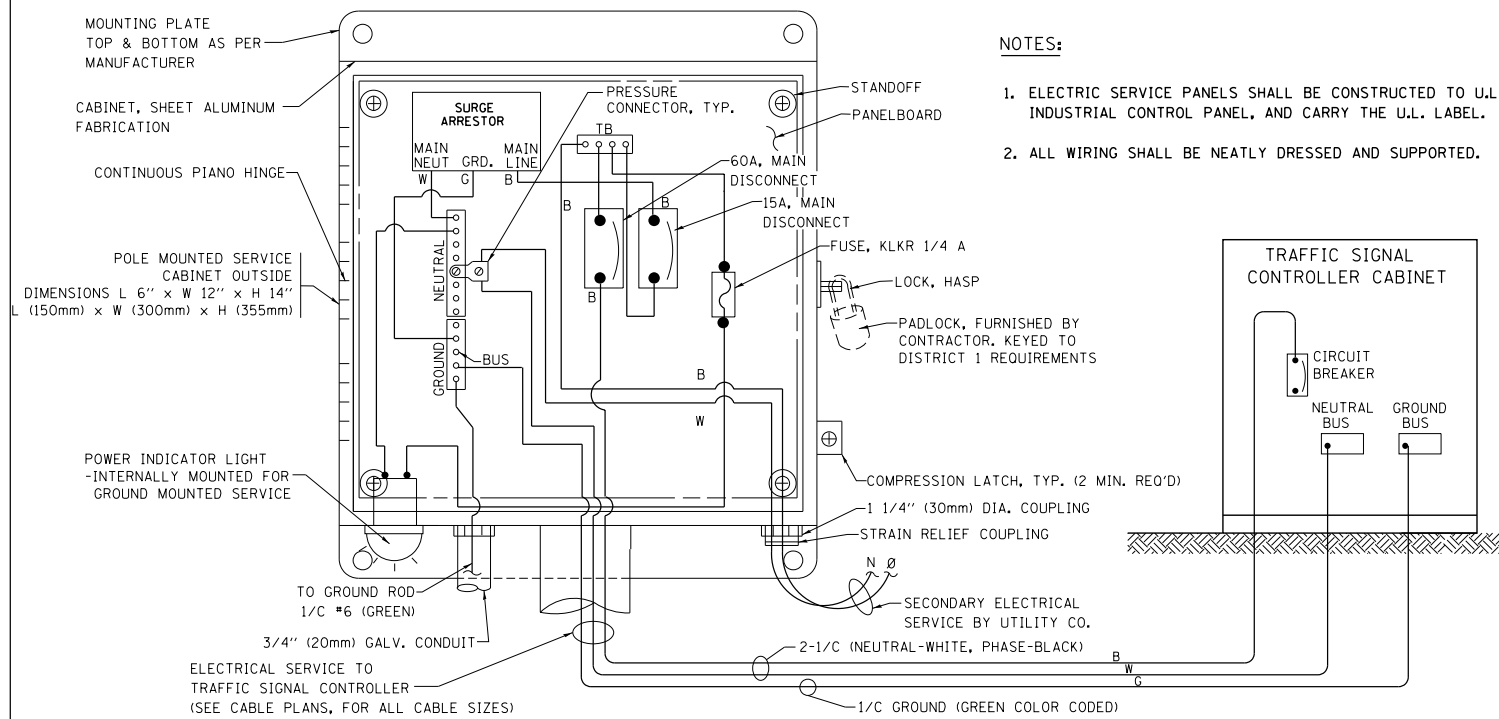
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

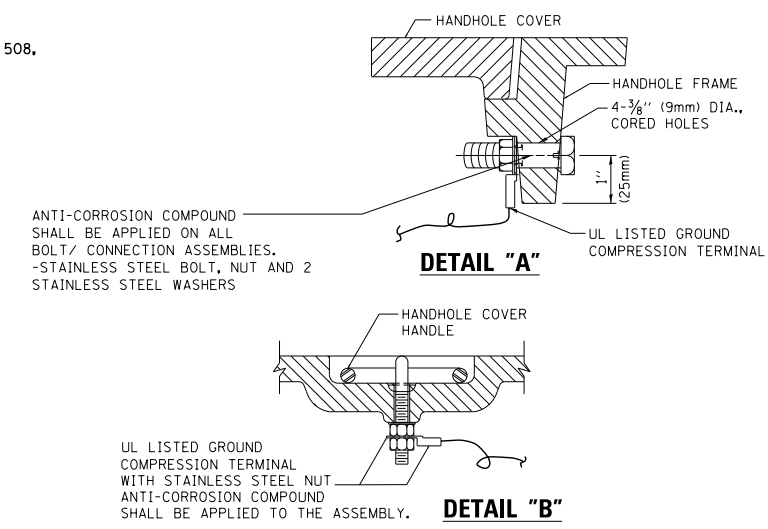
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

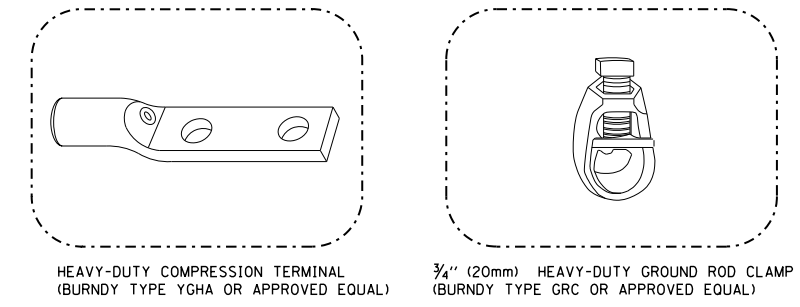
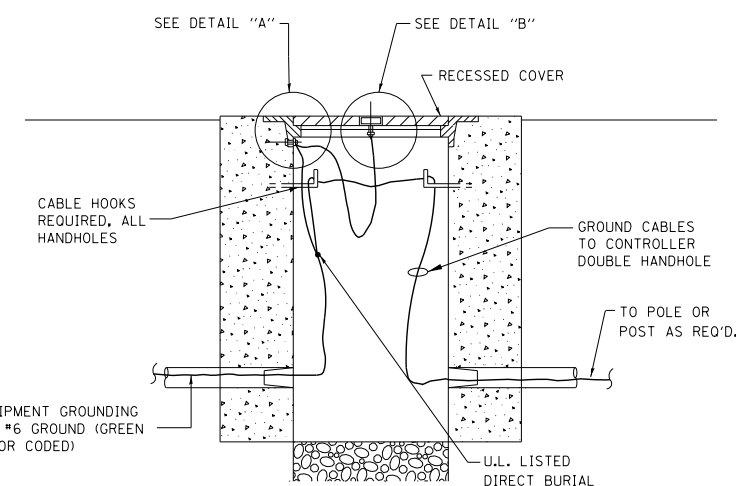


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



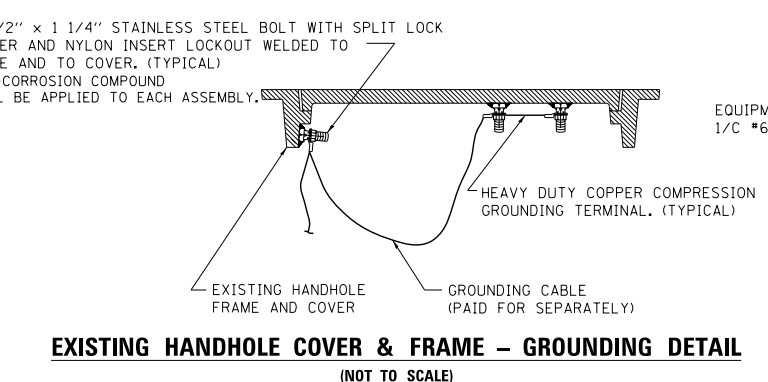
NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

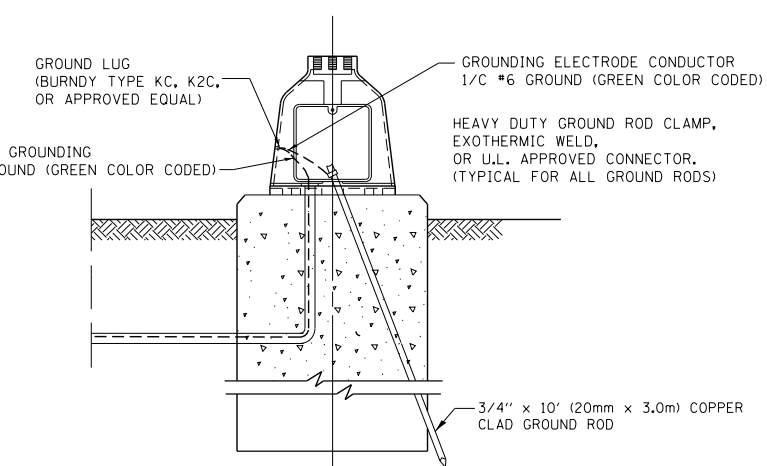


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

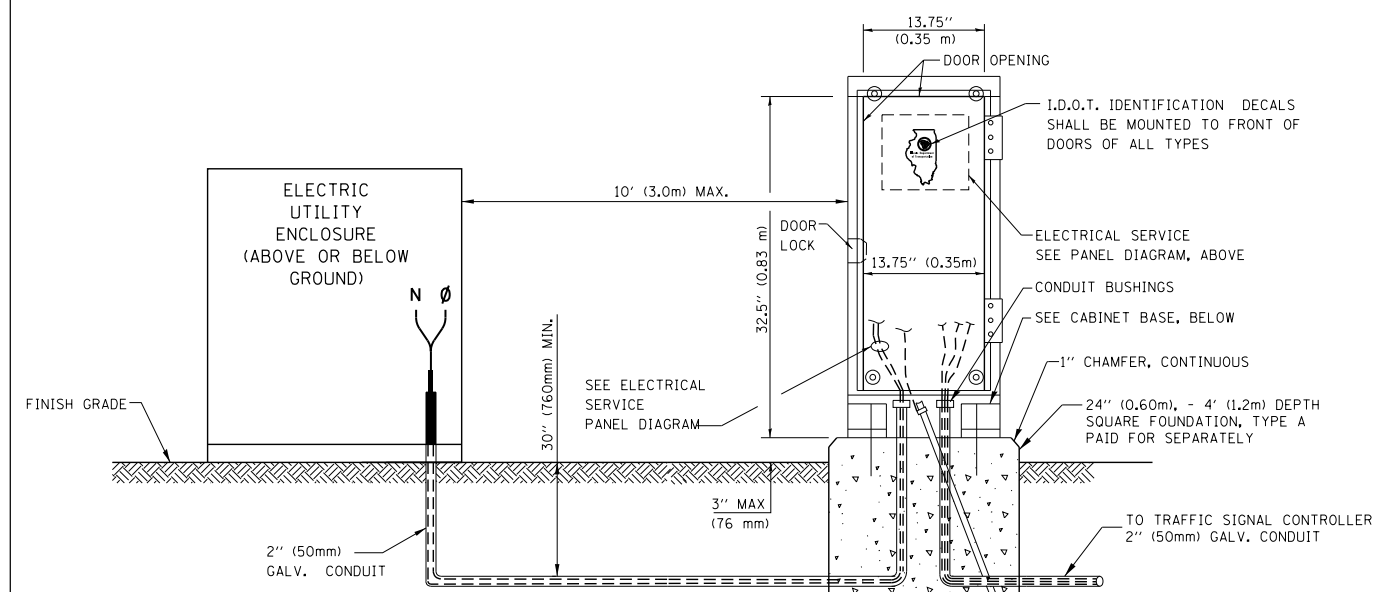
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

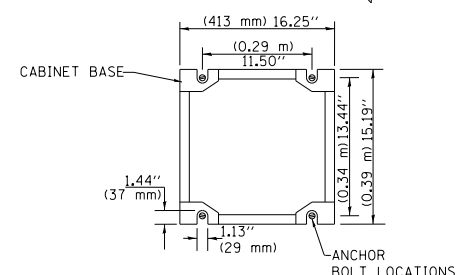


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)

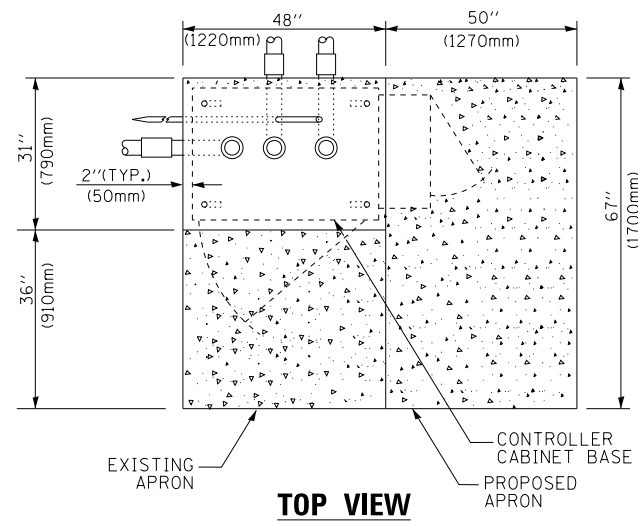


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ca:\pwork\pwork\footemj\d0108315\ts05.pgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

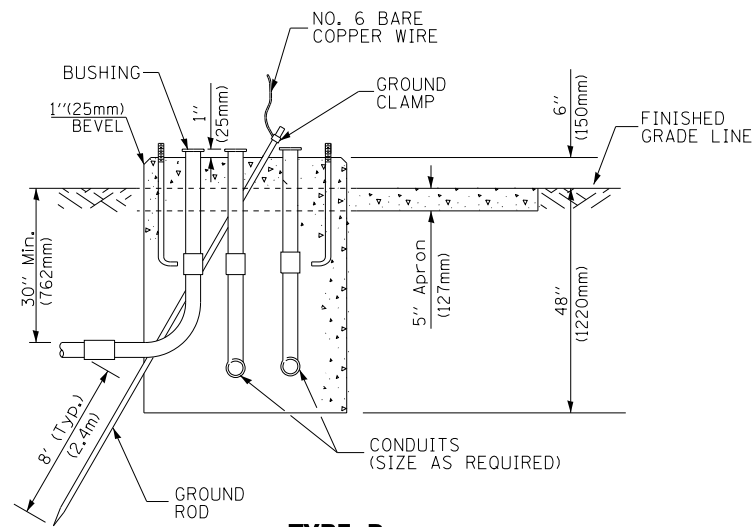
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	

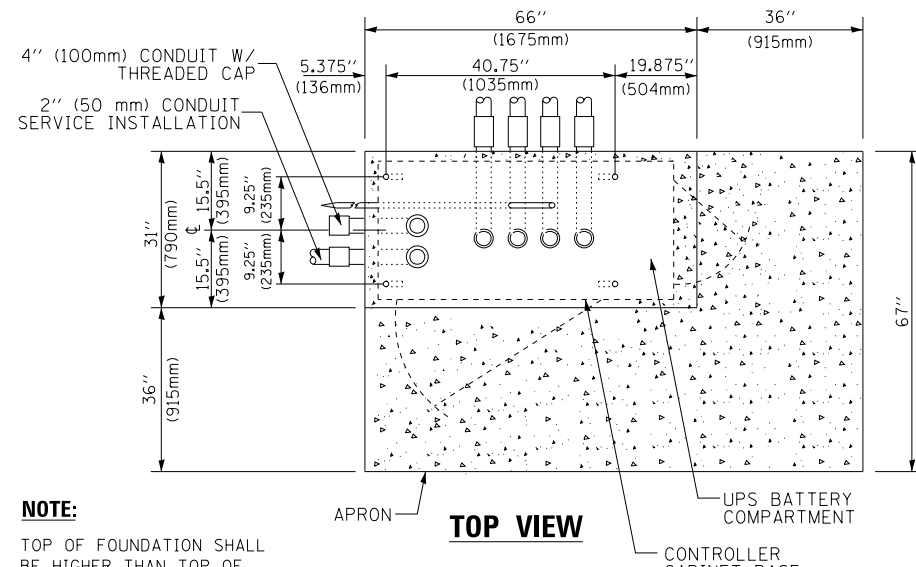
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	64
TS-05		CONTRACT NO.	60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



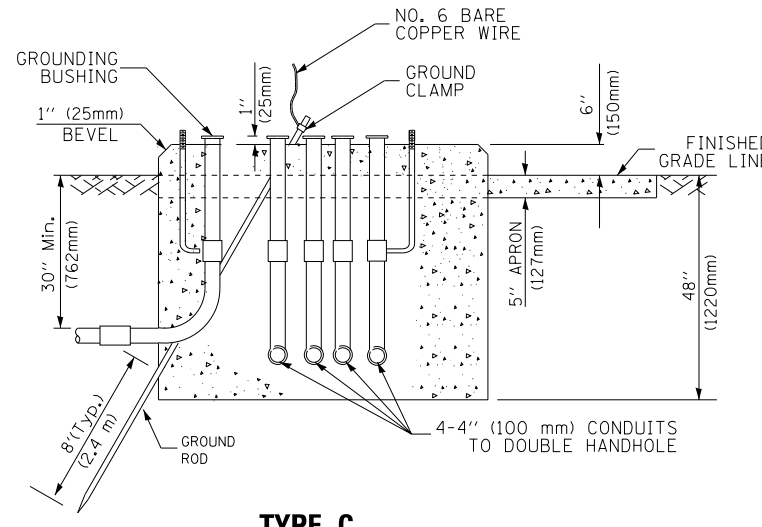
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



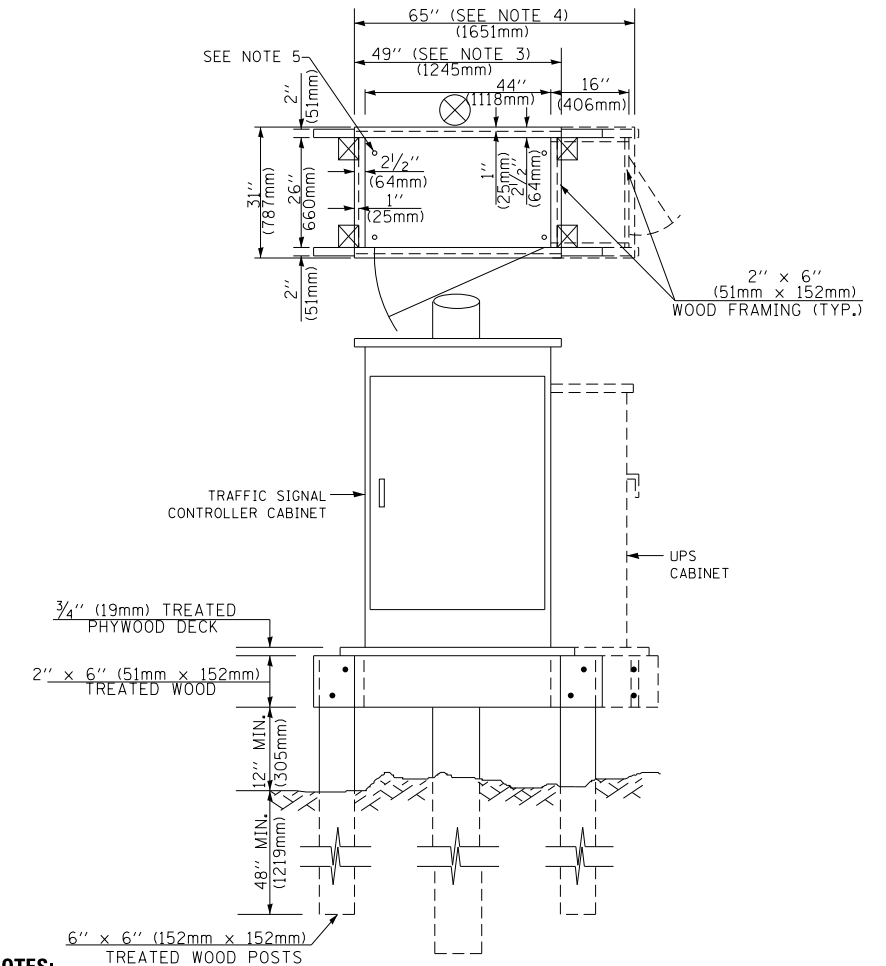
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

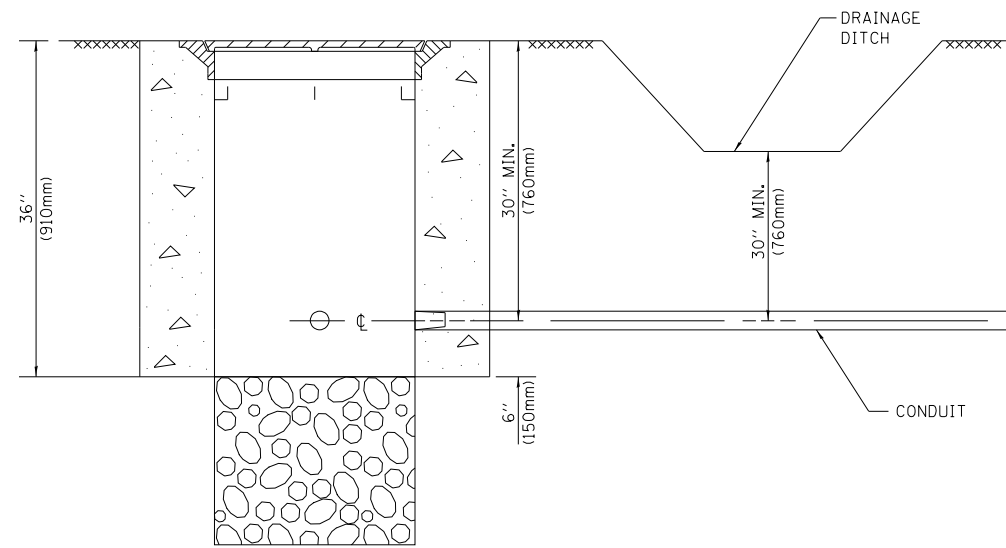
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
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	PLOT SCALE = 50.0000' / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.

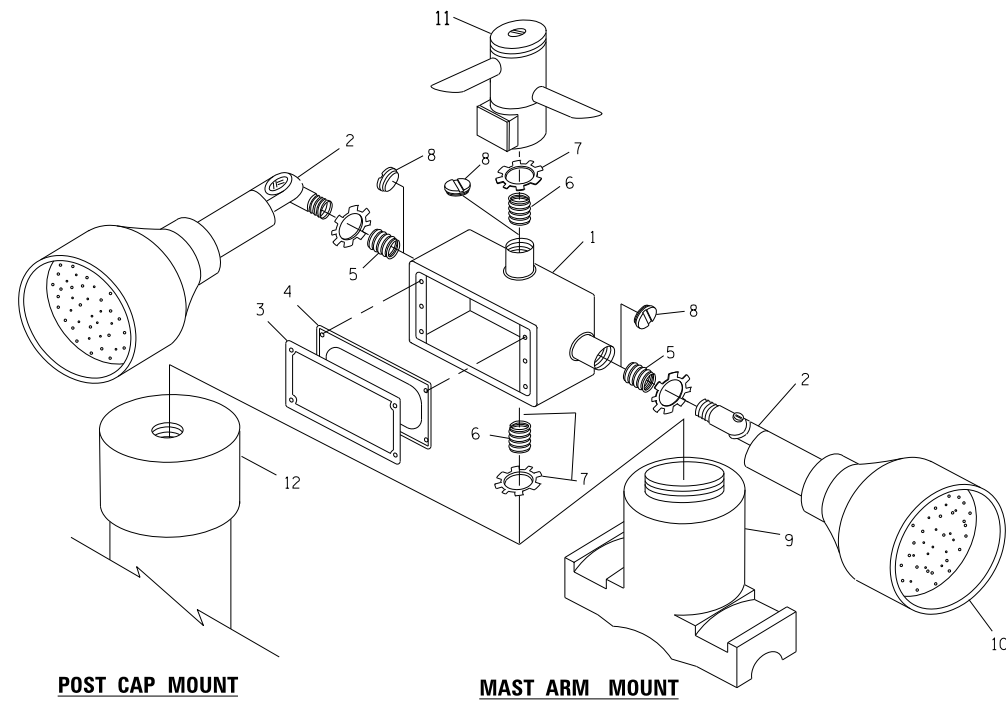
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	65
TS-05			CONTRACT NO. 60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



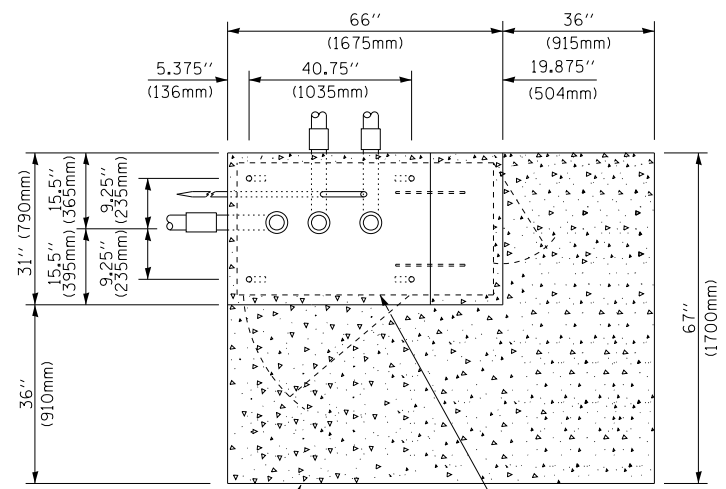
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

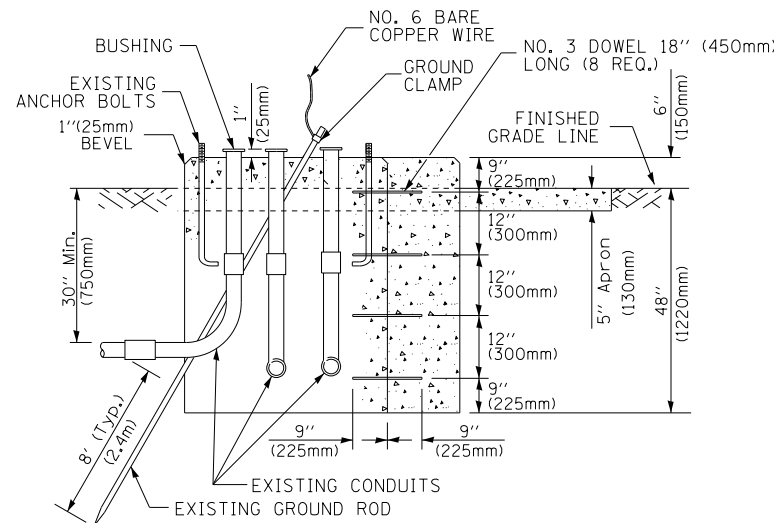
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

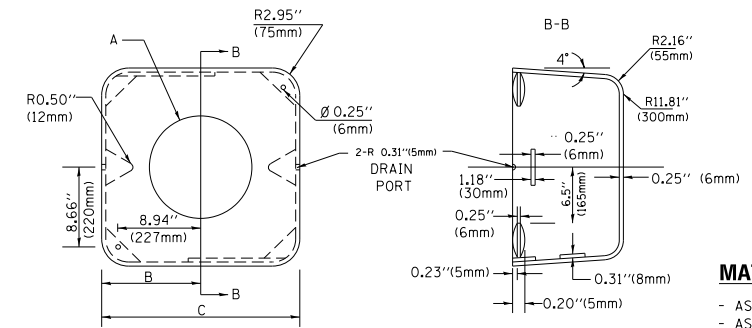


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

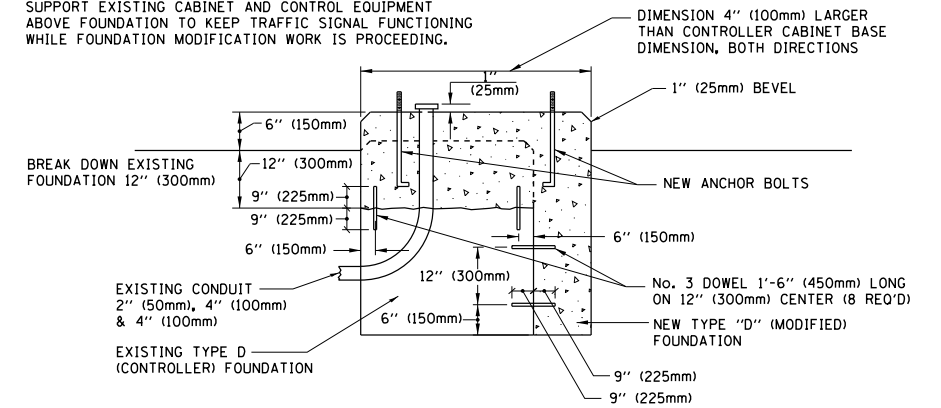
SHROUD

NOTES:

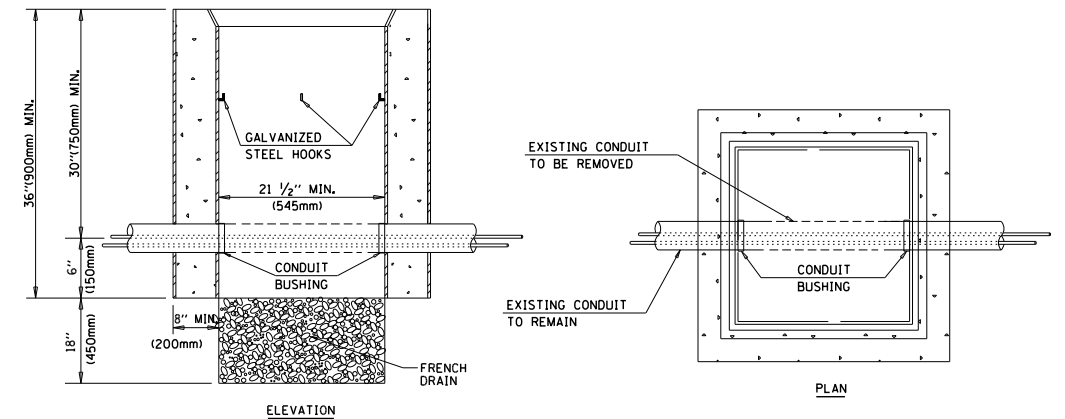
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

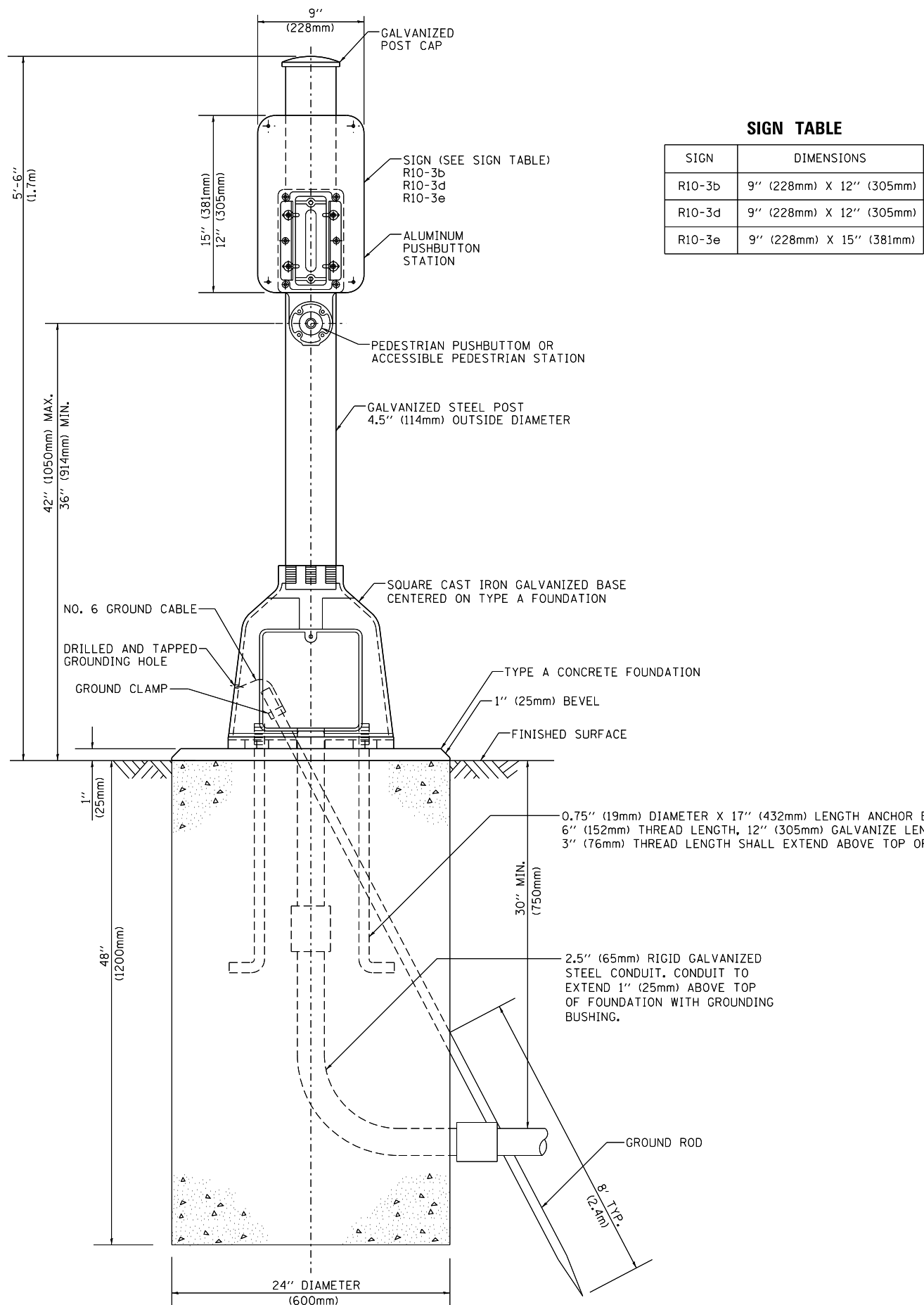
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	PLOT SCALE = 50.0000' / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

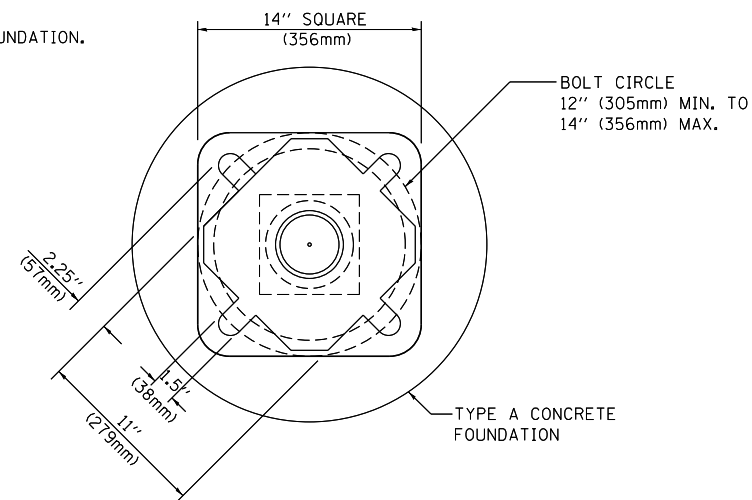
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	66
TS-05		CONTRACT NO. 60Y73		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
ct:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
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PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

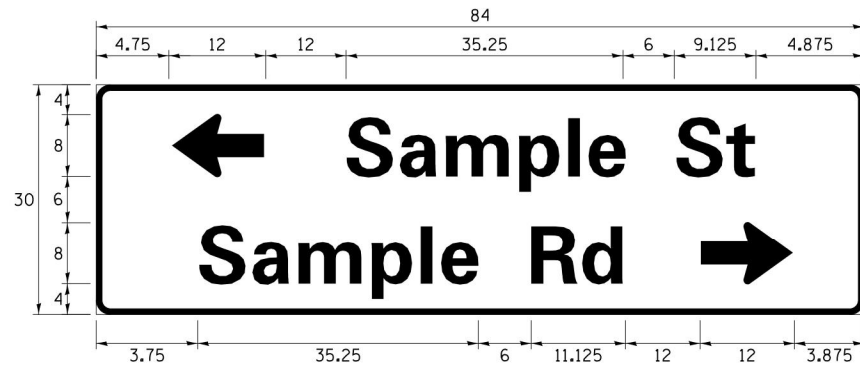
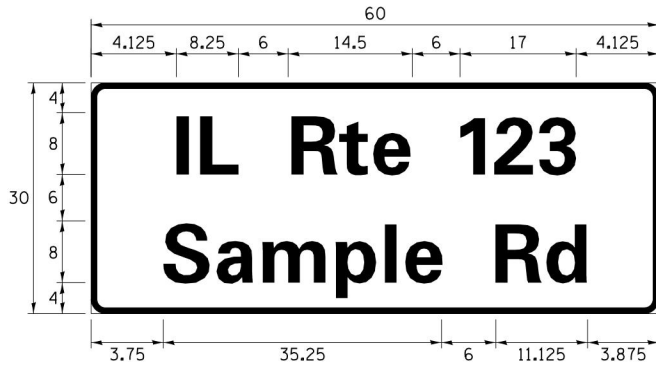
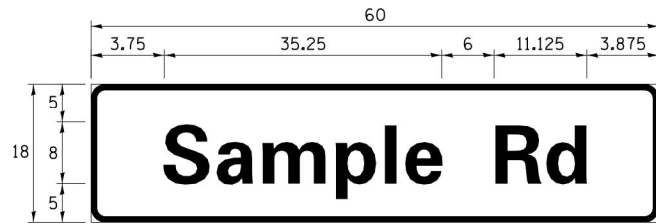
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	67
TS-05			CONTRACT NO. 60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

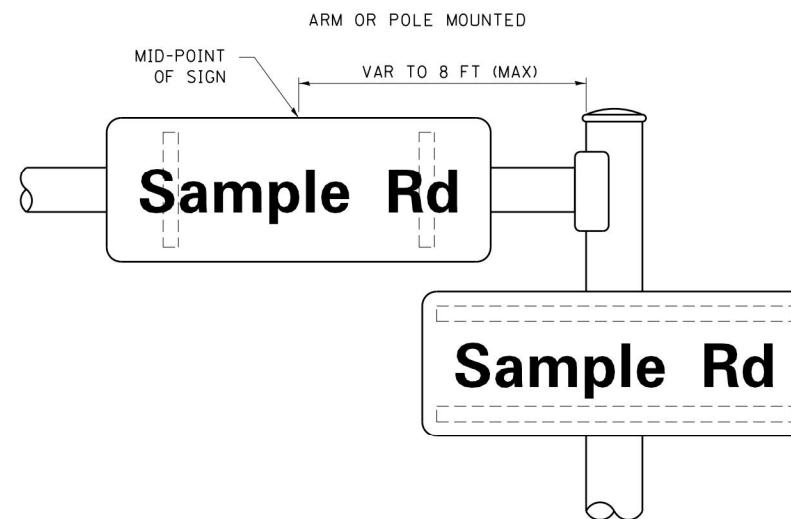
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

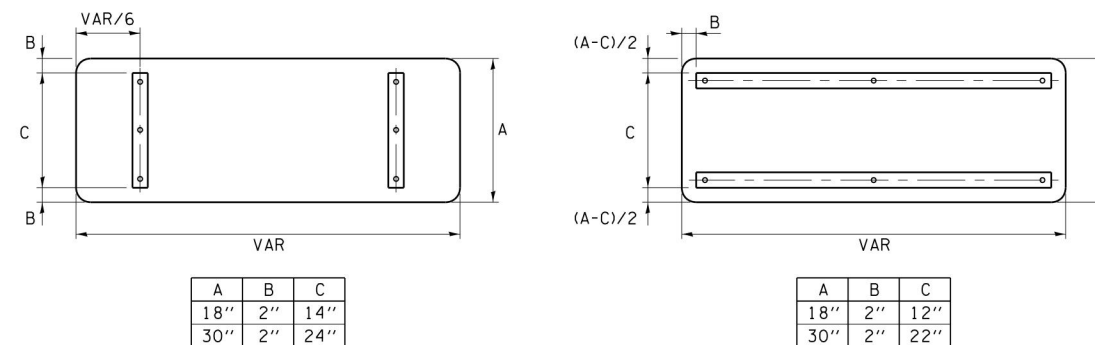
(8") UPPER CASE AND (6") LOWER CASE

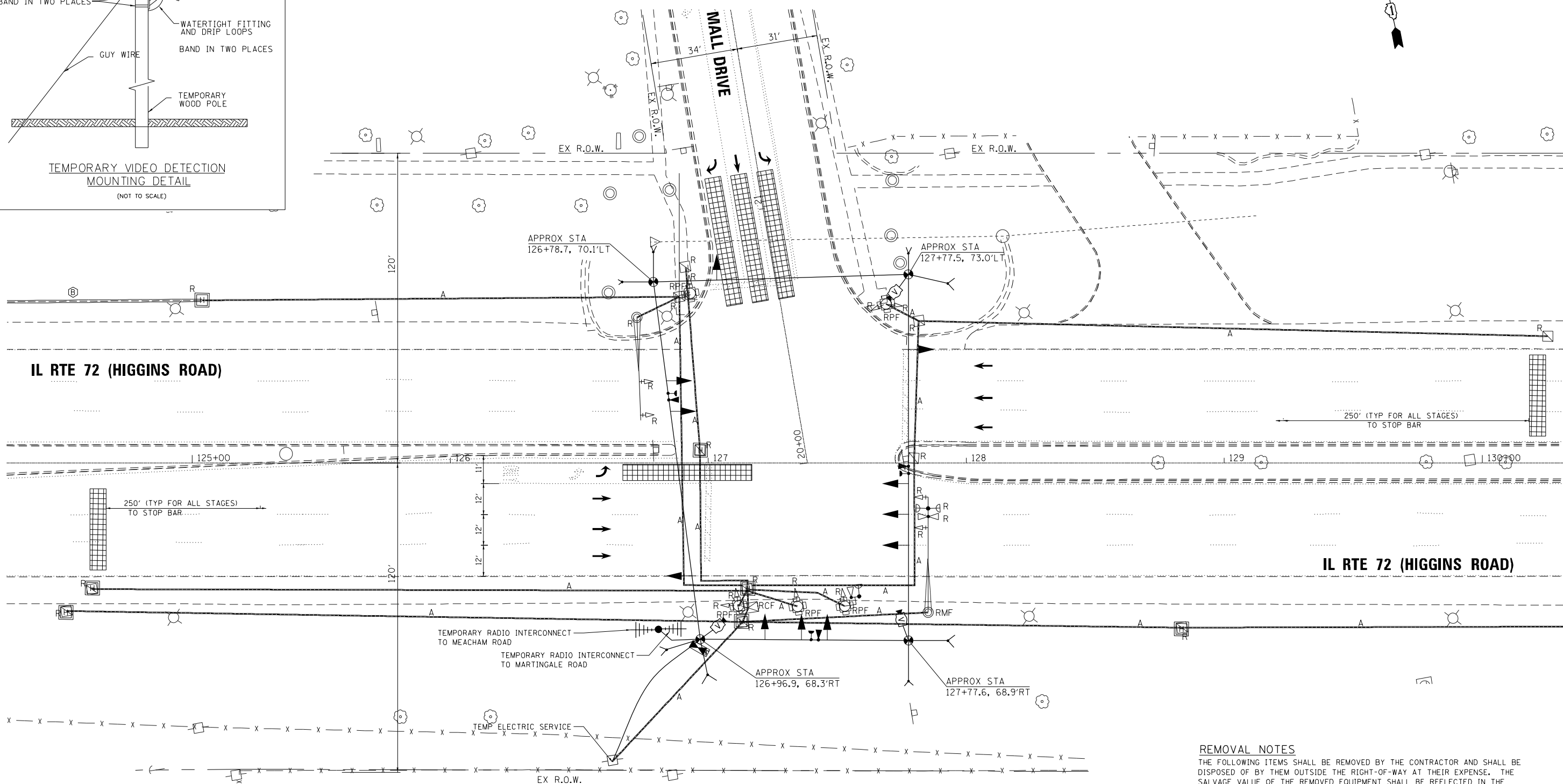
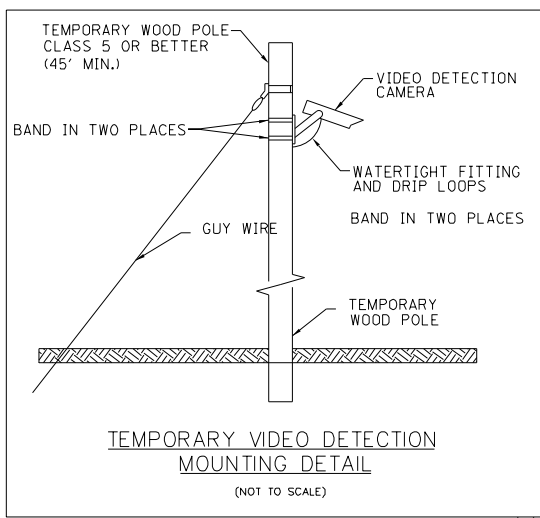
CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MOUNTING LOCATION



SUPPORTING CHANNELS





- CONSTRUCTION NOTES**
- (A) EXISTING HANDHOLE TO REMAIN
 - (B) EXISTING CONDUIT TO REMAIN

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

AGENCY: VILLAGE OF SCHAUMBURG FIRE DISTRICT

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

- REMOVAL NOTES**
- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
 - 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
 - 5 EACH SIGNAL POST
 - 11 EACH SIGNAL HEADS
 - 1 EACH SERVICE INSTALLATION
 - 4 EACH BACK PLATES
 - 7 EACH CONCRETE FOUNDATION
 - 8 EACH HANDHOLE
 - 1 EACH DOUBLE HANDHOLE



**TS 3220
ECON 84**

FILE NAME = D:\6073-sht-TS11-Mall-Dr-Temp.dgn
PLOT SCALE = 48.0000 / 1"
USER NAME = Millennium Professional Services

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
630.785.0110 voice, 630.839.2566 fax
www.mps-ill.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/16/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

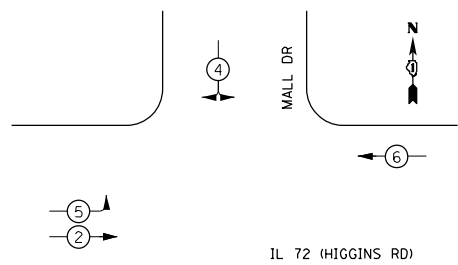
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT MALL DRIVE**

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	69
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



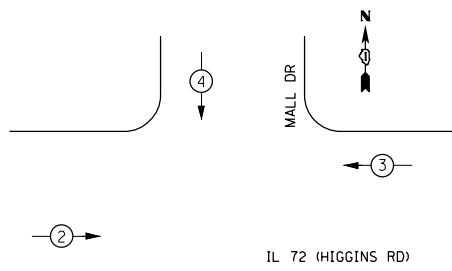
TEMPORARY CONTROLLER SEQUENCE



LEGEND

- ◻ SINGLE ENTRY PHASE
- ◻ DUAL ENTRY PHASE
- ◊ OVERLAP
- ◻ PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

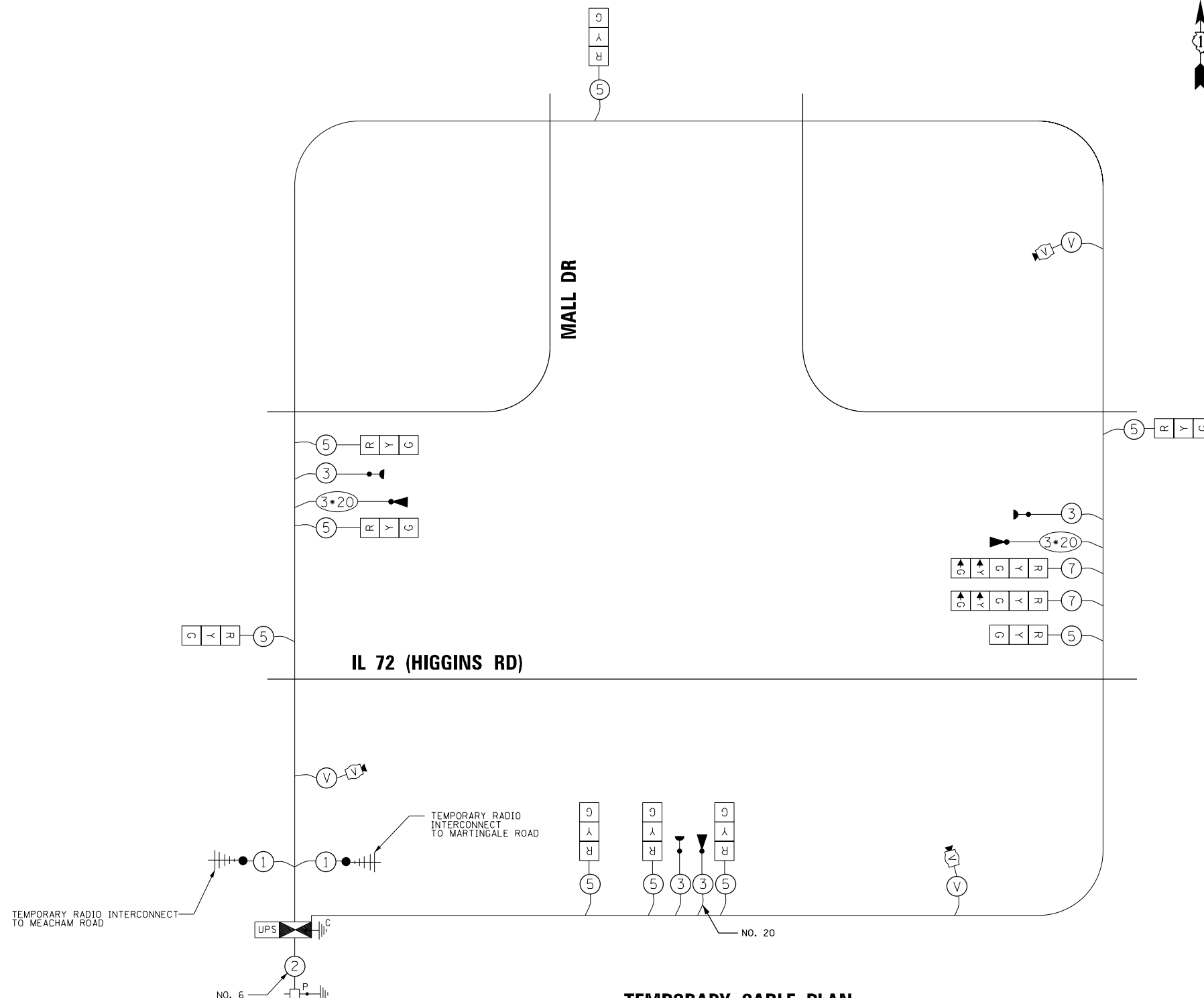
EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	11	17	0.50	93.5
(YELLOW)	11	25	0.25	68.75
(GREEN)	11	15	0.25	41.25
ARROW	4	12	0.10	4.8
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM	1	150	1.00	150
FLASHER			0.50	
TOTAL				458.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON



TEMPORARY CABLE PLAN

FILE NAME = D160Y73-sht-TS12-Mall.Dr-TCable.dgn
PLOT SCALE = 4000000 / in.
USER NAME = Millennia Professional Services

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
630.785.0110 voice, 630.839.2566 fax
www.mps-ill.com

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

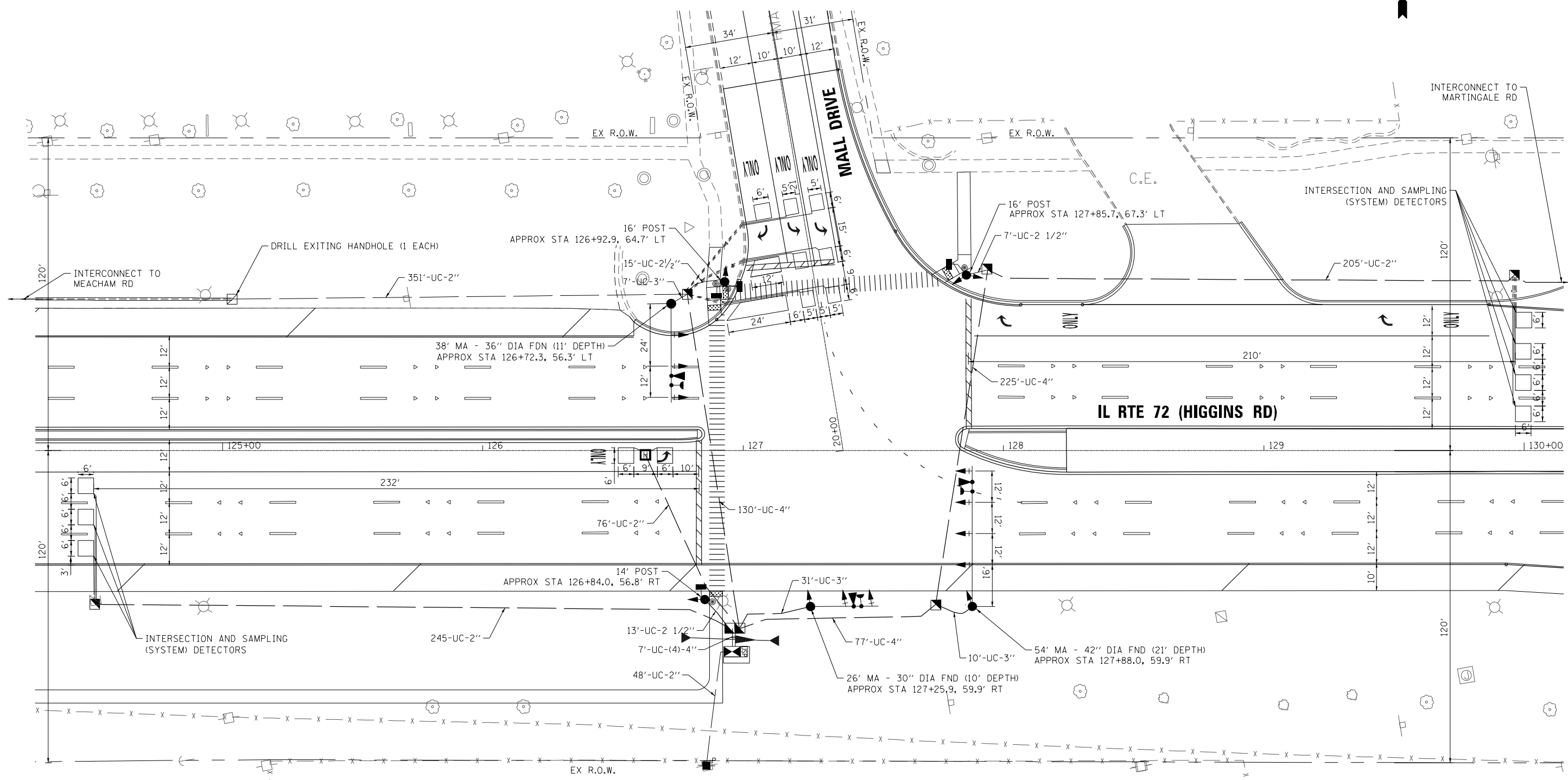
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL CABLE PLAN
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT MALL DRIVE**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	70
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 3220
ECON 84**



NOTE:
EACH DETECTOR LOOP SHALL HAVE ITS OWN 1\" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

FILE NAME = D:\6073-sht-TS13-Mall.Dr-Plan.dgn
 PLOT SCALE = 48.0000 / 1\"
 USER NAME = Millennia Professional Services



2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
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 www.mps-ill.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/16/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

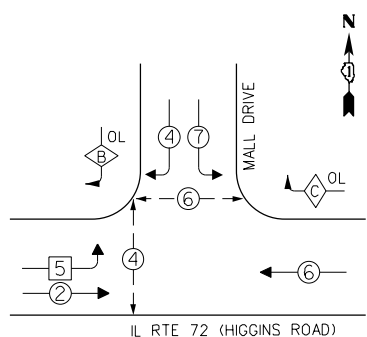
TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT MALL DRIVE

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	71
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y73	

TS 3220
ECON 84

PROPOSED CONTROLLER SEQUENCE

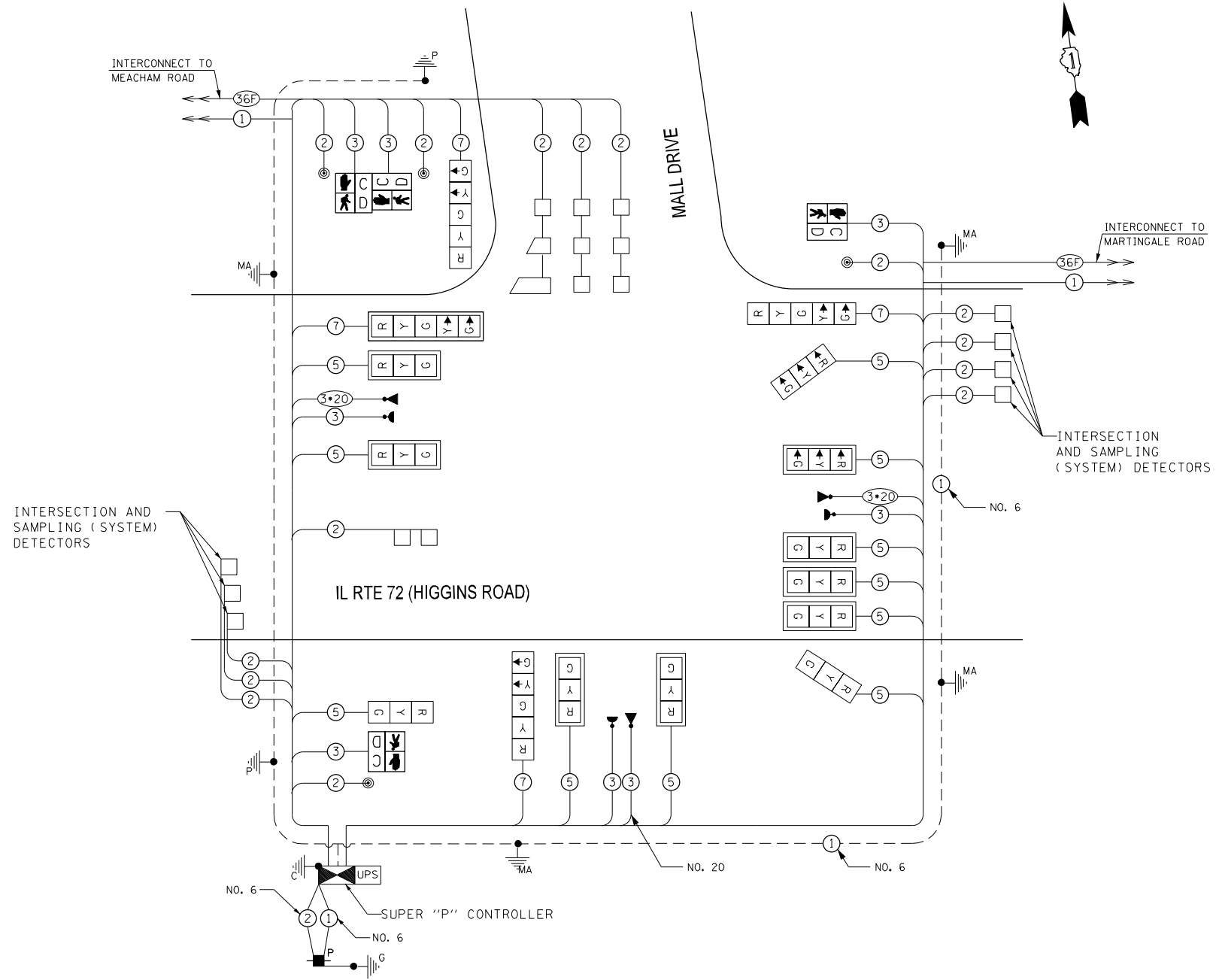
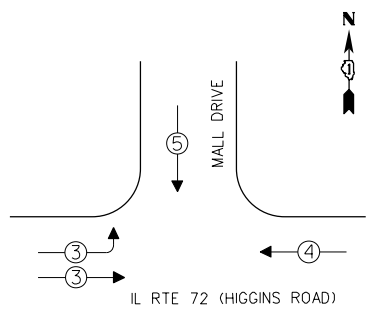


- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◻ DUAL ENTRY PHASE
 - ◻ OVERLAP
 - ◻ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B =	4 +	5
C =	6 +	7

EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	15	17	0.50	127.5
(YELLOW)	15	25	0.25	93.75
(GREEN)	15	15	0.25	56.25
ARROW	6	12	0.10	7.2
PED. SIGNAL	4	25	1.00	100
CONTROLLER	1	100	1.00	100
ILLUM. SIGN	0	120	0.05	
VIDEO SYSTEM		150	1.00	
FLASHER			0.50	
TOTAL				484.7

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

FILE NAME = D:\6073-SHT-TS14-Mall.Dr-Cable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, CONTROLLER SEQUENCE,
AND PHASE DESIGNATION DIAGRAM
IL RTE 72 (HIGGINS RD) AT MALL DRIVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	72
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

**TS 3220
ECON 84**

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515
630.785.0110 voice, 630.839.2566 fax
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MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

SIGN PANEL – TYPE 1 AND TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	5.25	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	10.50
SIGN PANEL - TYPE 2	SQ FT	13.75
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	925
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	35
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	460
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	780
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1248
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1917
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	837
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1512
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	81
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	660
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	889
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	492
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

* 100% COST TO VILLAGE OF SCHAUMBURG

FILE NAME = D:\6073-sh-t-TS15-Mall.Dr-S00_Sign.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennia Professional Services



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DATE - 3/17/2016	REVISED -

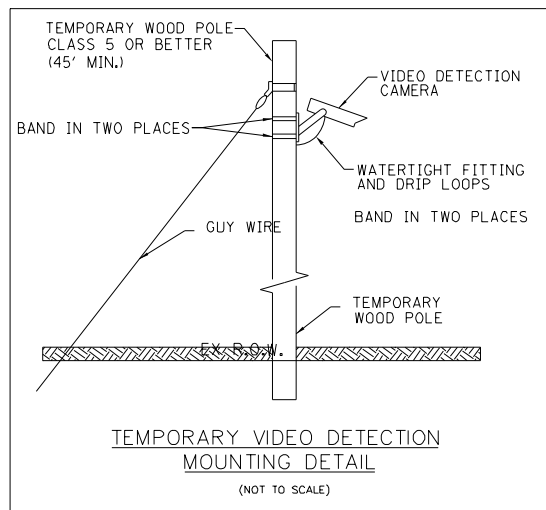
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 (HIGGINS ROAD) AT MALL DRIVE
 MAST ARM MOUNTED STREET NAME SIGNS
 AND SCHEDULE OF QUANTITIES**

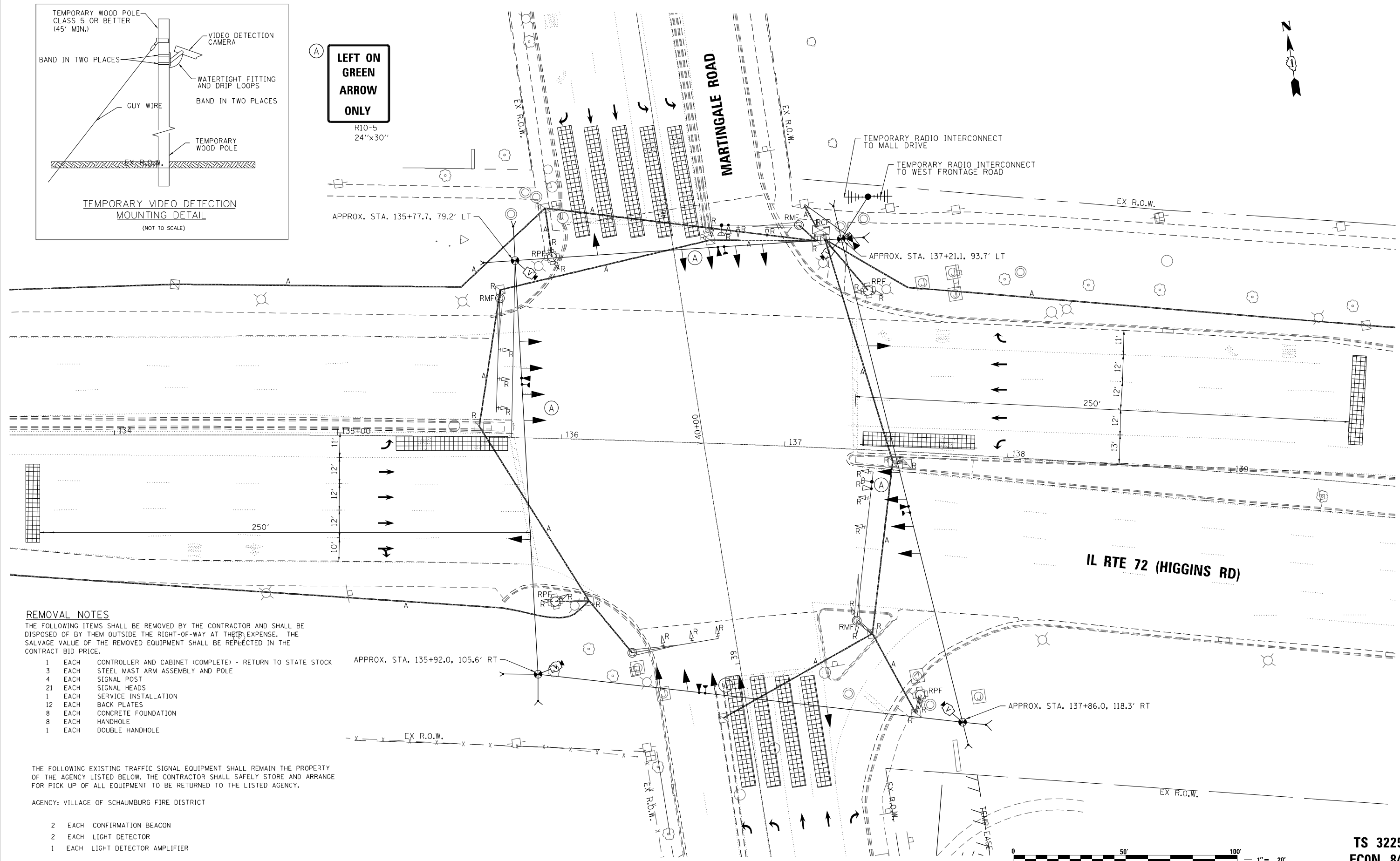
SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	60Y73

**TS 3220
 ECON 84**



LEFT ON GREEN ARROW ONLY
R10-5
24"x30"



REMOVAL NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE) - RETURN TO STATE STOCK
- 3 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH SIGNAL POST
- 21 EACH SIGNAL HEADS
- 1 EACH SERVICE INSTALLATION
- 12 EACH BACK PLATES
- 8 EACH CONCRETE FOUNDATION
- 8 EACH HANDHOLE
- 1 EACH DOUBLE HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

AGENCY: VILLAGE OF SCHAUMBURG FIRE DISTRICT

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

FILE NAME = D:\6073-sh-t-TS21-Martingale-Rd-Temp.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennium Professional Services

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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

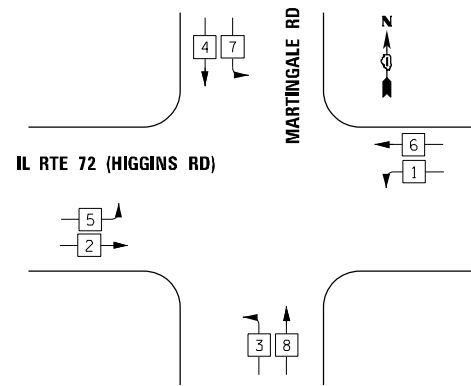
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	74
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

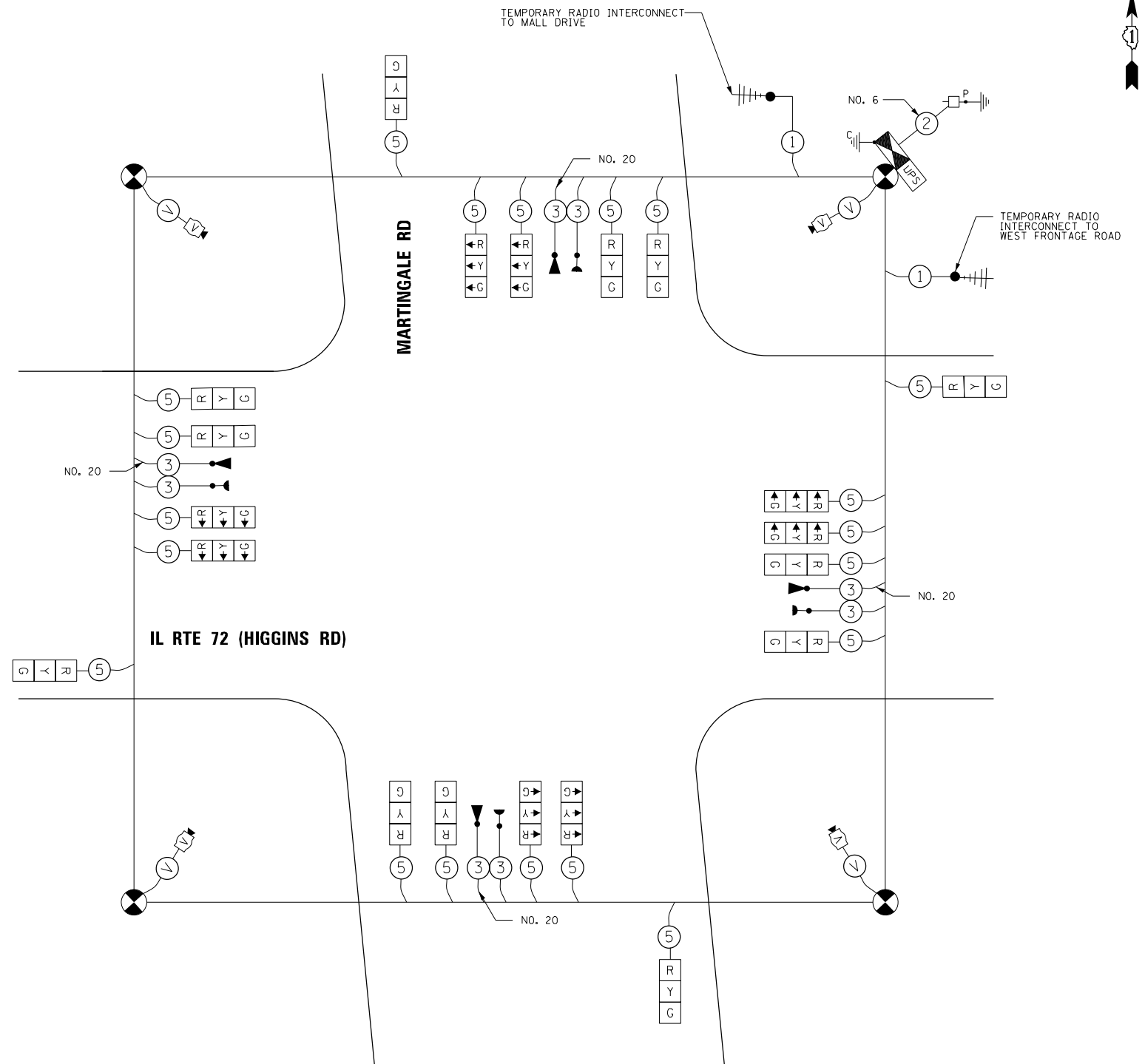
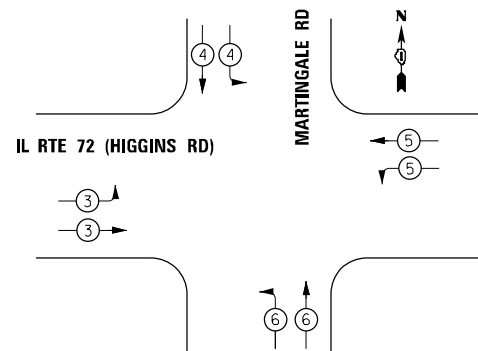
**TS 3225
ECON 84**

TEMPORARY CONTROLLER SEQUENCE



- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◉ DUAL ENTRY PHASE
 - ◊ OL OVERLAP
 - ◉ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	20	17	0.50	170
(YELLOW)	20	25	0.25	125
(GREEN)	20	15	0.25	75
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM	1	150	1.00	150
FLASHER			0.50	
TOTAL				620

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

FILE NAME = D:\6073-sht-TS22-MartingaleRd-TCable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services

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DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL CABLE PLAN,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

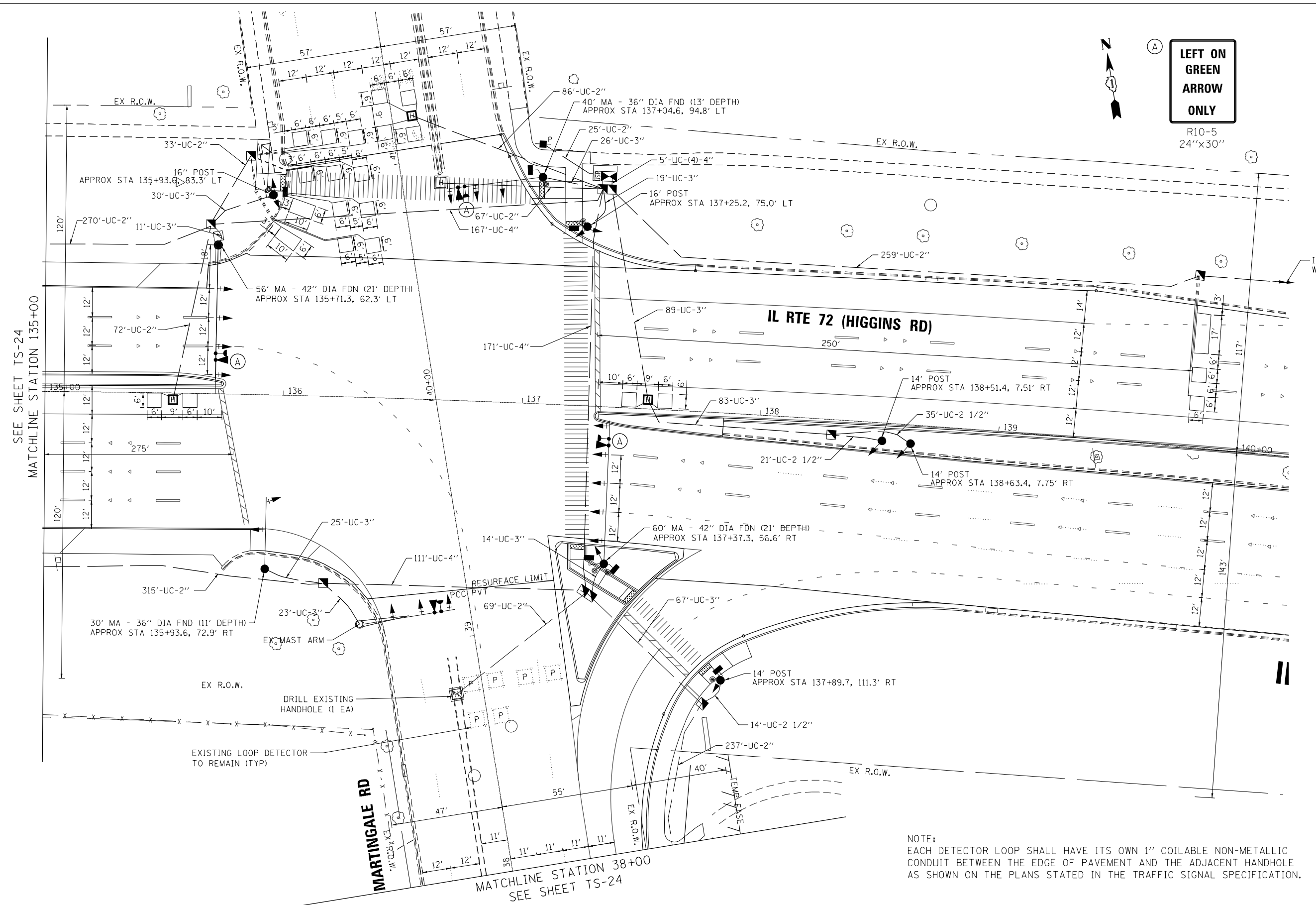
SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	75
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

**TS 3225
ECON 84**

**LEFT ON GREEN
ARROW
ONLY**

R10-5
24"x30"



NOTE:
EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

SEE SHEET TS-24
MATCHLINE STATION 135+00

MATCHLINE STATION 38+00
SEE SHEET TS-24

FILE NAME = D:\6073-sh-t\TS23-Martingale.Rd-Plan.dgn
PLOT SCALE = 40,0000 / in.
USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

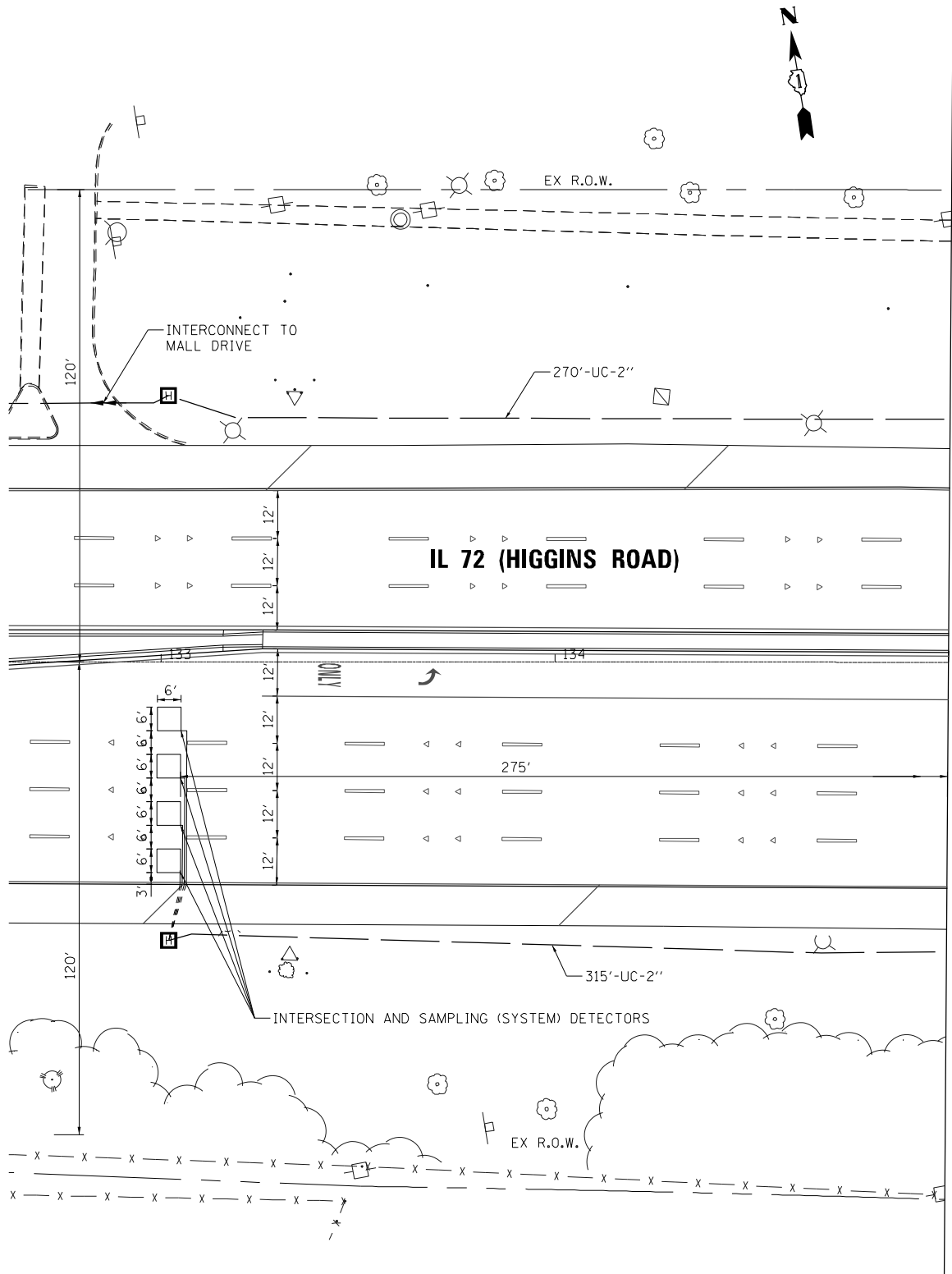
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

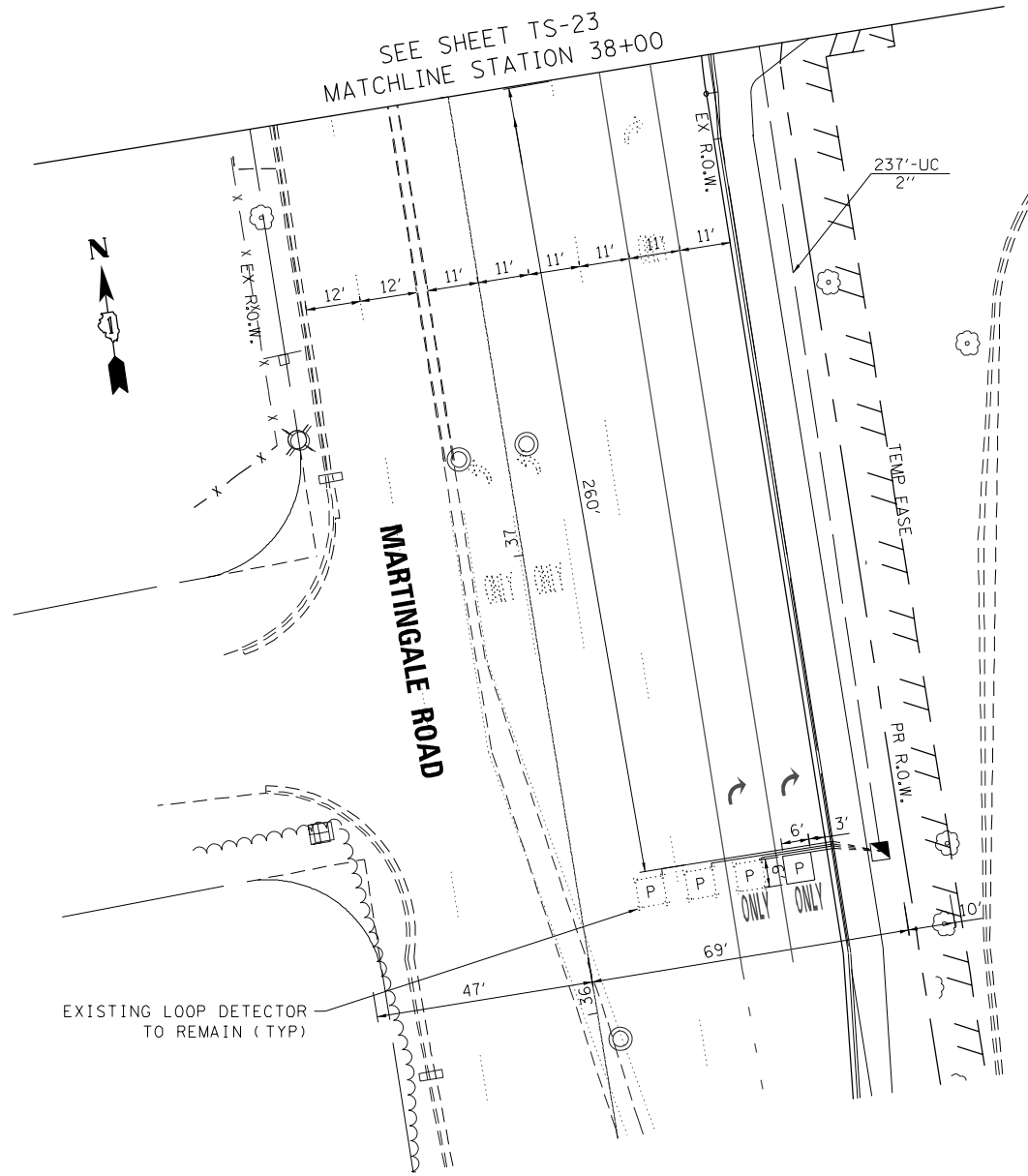
SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	76
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 3225
ECON 84**



MATCHLINE STATION 135+00
SEE SHEET TS-23



FILE NAME = D:\6073-sh1-TS24-Martingale_Rd-Plan.dgn
 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

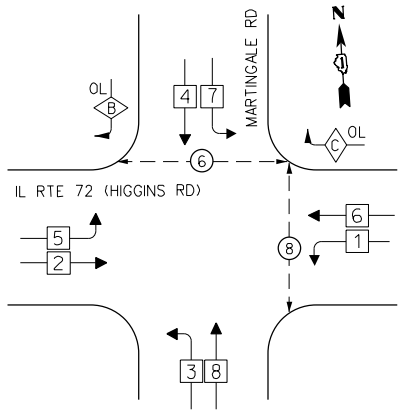
**TRAFFIC SIGNAL INSTALLATION PLAN
 IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	77
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

**TS 3225
 ECON 84**

PROPOSED CONTROLLER SEQUENCE

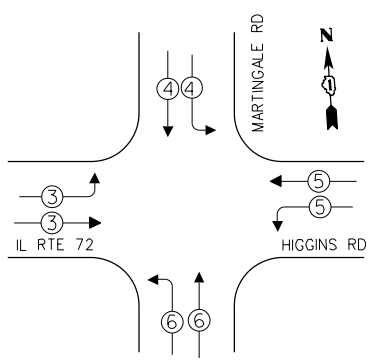


- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◻ DUAL ENTRY PHASE
 - ◻ OVERLAP
 - ◻ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4 + 5	
C	6 + 7	

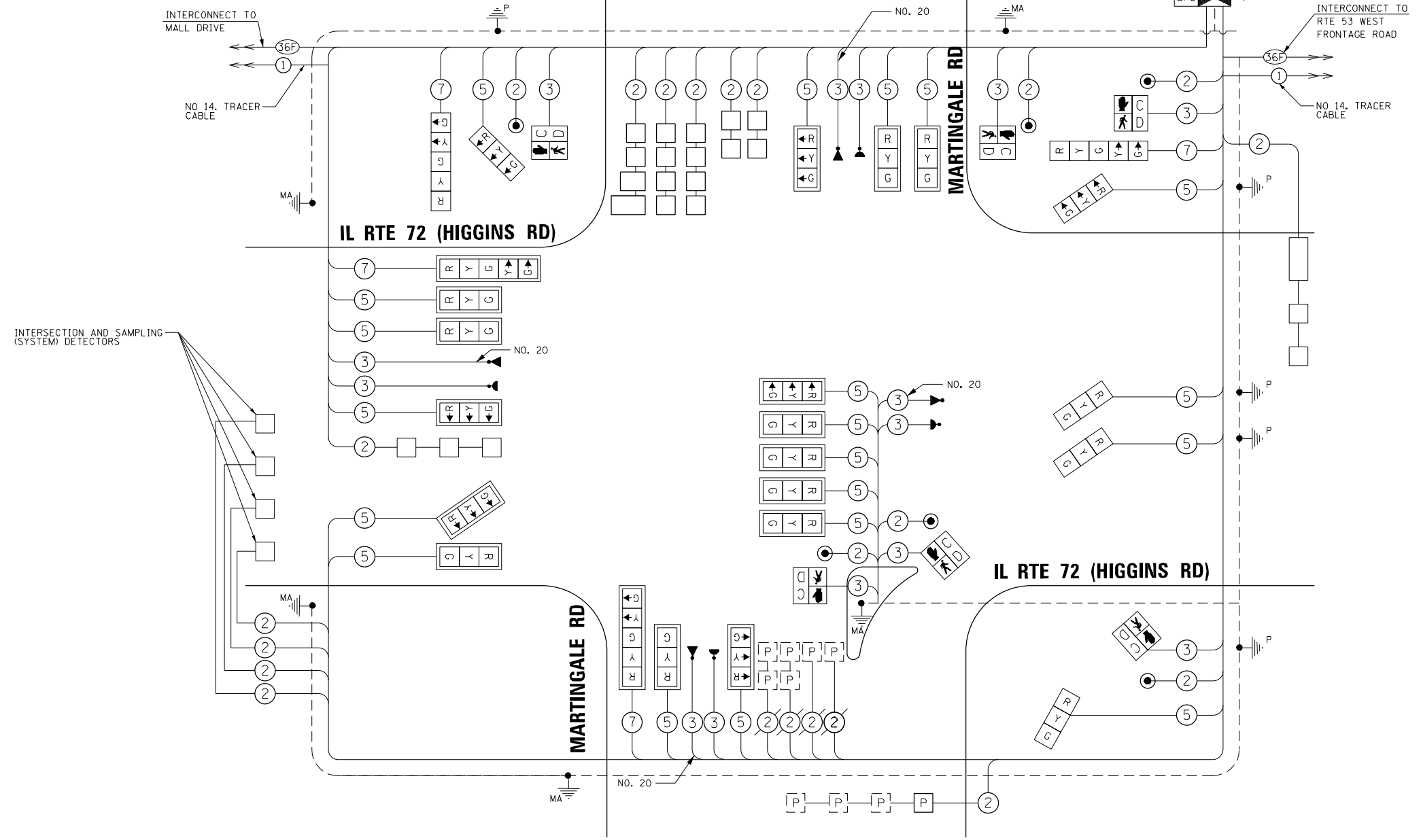
EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	24	17	0.50	204
(YELLOW)	24	25	0.25	150
(GREEN)	24	15	0.25	90
ARROW	8	12	0.10	9.6
PED. SIGNAL	6	25	1.00	105
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM		150	1.00	
FLASHER			0.50	
TOTAL				703.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON



CABLE PLAN

FILE NAME = D:\6073-sht-TS25-Martingale.Rd-Cable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services

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DATE - 12/21/2015	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

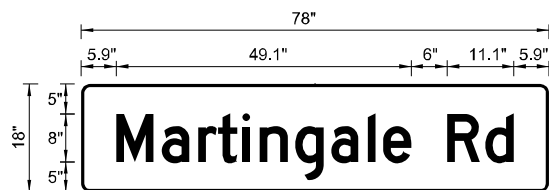
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	78
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

**TS 3225
ECON 84**

SIGN PANEL – TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9.75	2	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
SIGN PANEL - TYPE 2	SQ FT	47
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1519
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	100
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	364
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	469
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1117
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2365
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	5237
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	938
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2890
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	53
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1037
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	17
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1053
PREFORMED DETECTOR LOOP	FOOT	112
* LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1284
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

* 100% COST TO VILLAGE OF SCHAUMBURG

FILE NAME = D:\6073-sht-TS26-Martingale-RD-S00.Signdgn
 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

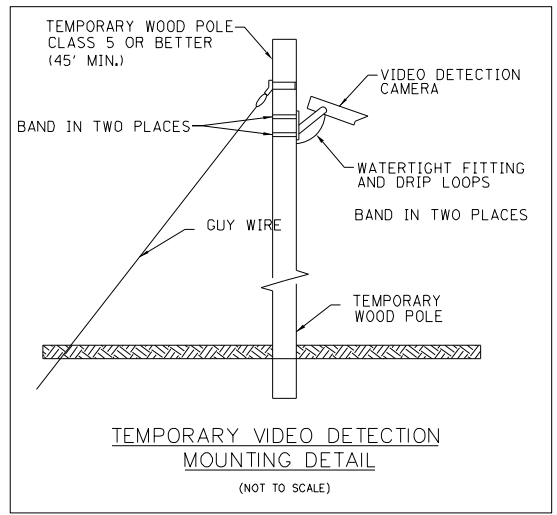
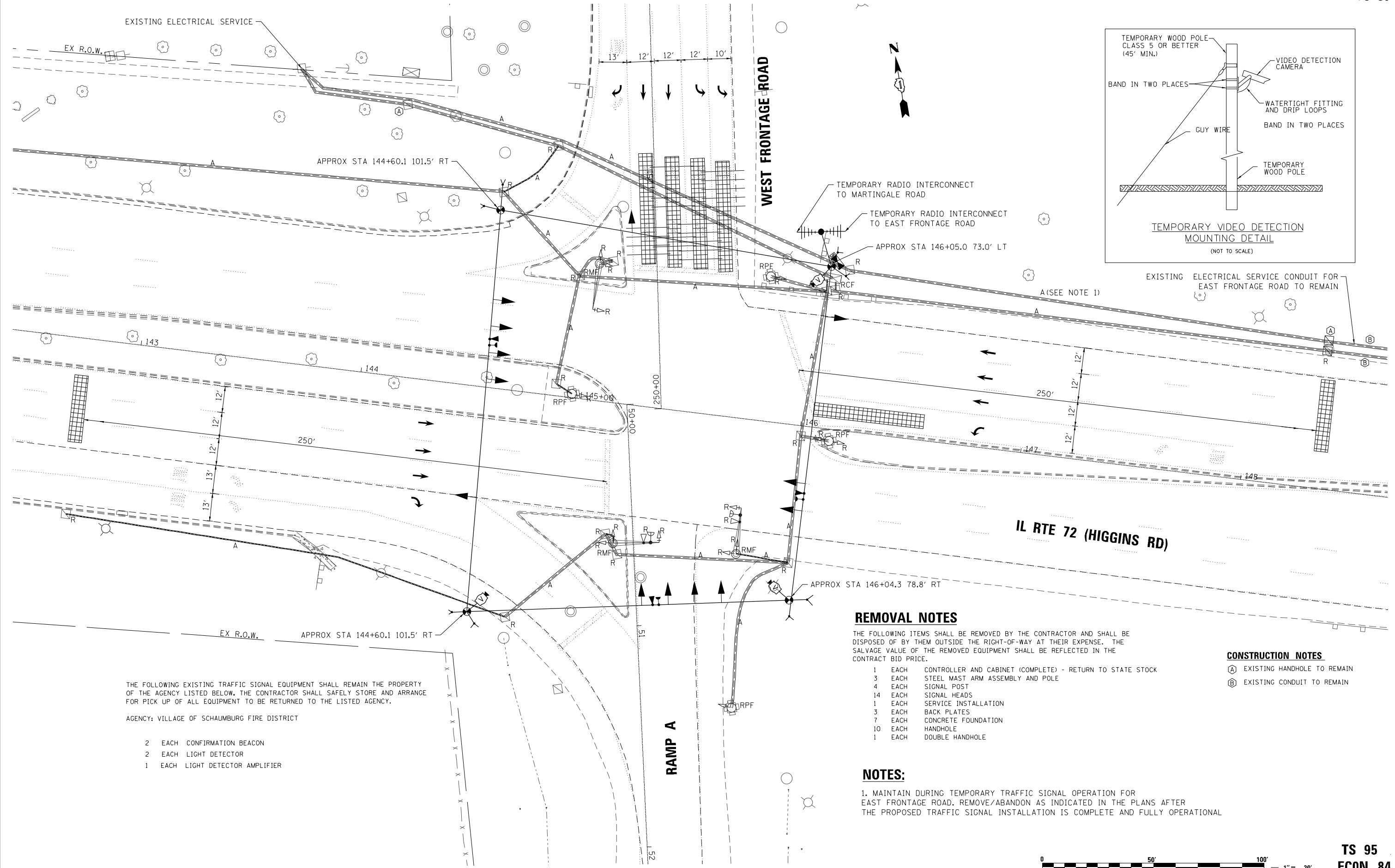
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
 AND SCHEDULE OF QUANTITIES
 IL ROUTE 72 (HIGGINS ROAD) AT MARTINGALE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	79
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 3225
 ECON 84**



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

AGENCY: VILLAGE OF SCHAUMBURG FIRE DISTRICT

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

REMOVAL NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE) - RETURN TO STATE STOCK
- 3 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH SIGNAL POST
- 14 EACH SIGNAL HEADS
- 1 EACH SERVICE INSTALLATION
- 3 EACH BACK PLATES
- 7 EACH CONCRETE FOUNDATION
- 10 EACH HANDHOLE
- 1 EACH DOUBLE HANDHOLE

CONSTRUCTION NOTES

- (A) EXISTING HANDHOLE TO REMAIN
- (B) EXISTING CONDUIT TO REMAIN

NOTES:

1. MAINTAIN DURING TEMPORARY TRAFFIC SIGNAL OPERATION FOR EAST FRONTAGE ROAD. REMOVE/ABANDON AS INDICATED IN THE PLANS AFTER THE PROPOSED TRAFFIC SIGNAL INSTALLATION IS COMPLETE AND FULLY OPERATIONAL



**TS 95
ECON 84**

FILE NAME = D:\6073-sh-t-TS31-WestFrontage-Temp.dgn
PLOT SCALE = 48,0000 / in.
USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

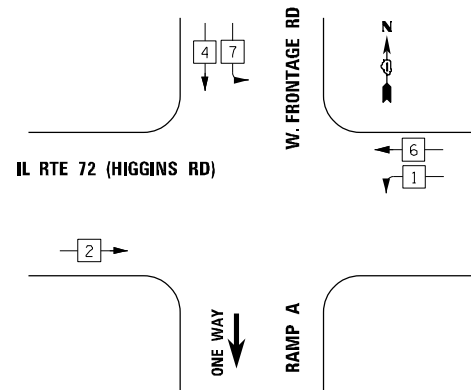
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

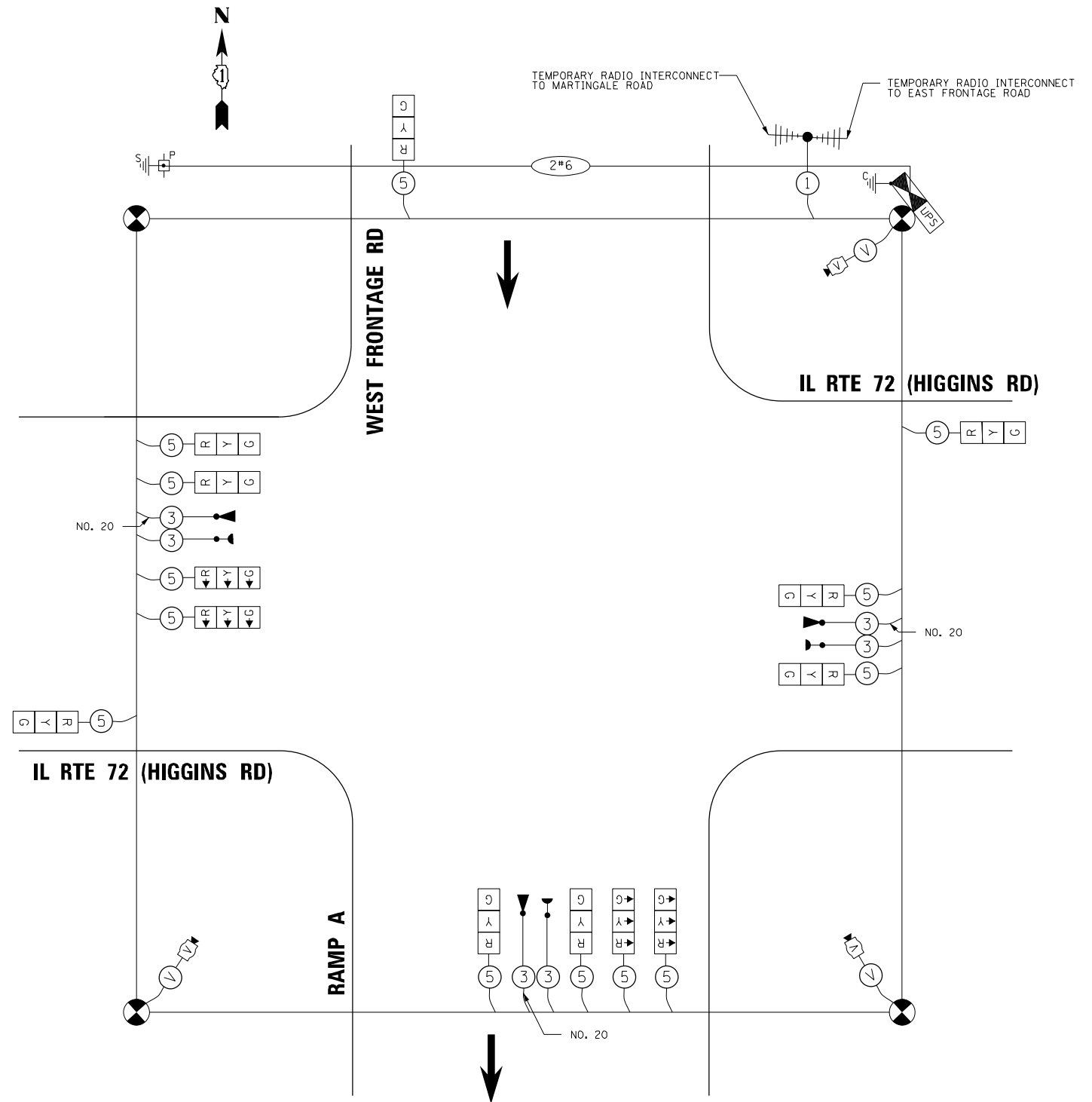
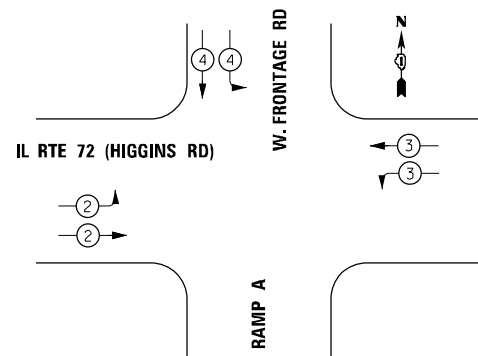
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	80
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE



- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◻ DUAL ENTRY PHASE
 - ◻ OVERLAP
 - ◻ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	13	17	0.50	110.5
(YELLOW)	13	25	0.25	81.25
(GREEN)	13	15	0.25	48.75
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM	1	150	1.00	150
FLASHER			0.50	
TOTAL				490.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
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ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

FILE NAME = D:\6073-sht-TS32-WestFrontage-TCable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

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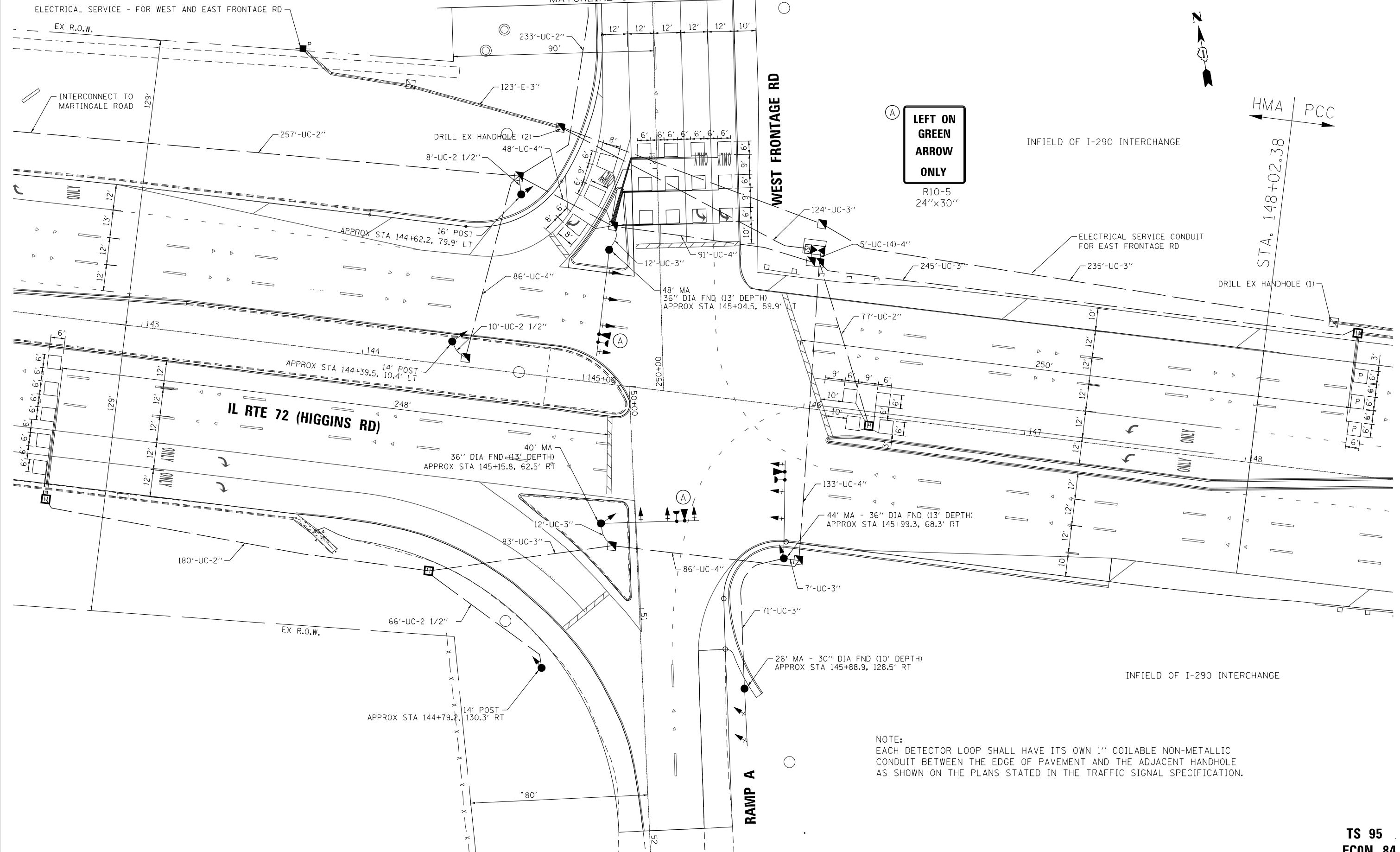
**TEMPORARY TRAFFIC SIGNAL CABLE PLAN,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	81
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 95
ECON 84**

SEE SHEET NO. 83
MATCHLINE STA 251+75



LEFT ON GREEN ARROW ONLY
R10-5
24" x 30"

NOTE:
EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

FILE NAME = D:\6073-shr-TS33-WestFrontage-Plan.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services



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DATE - 12/21/2015	REVISED -

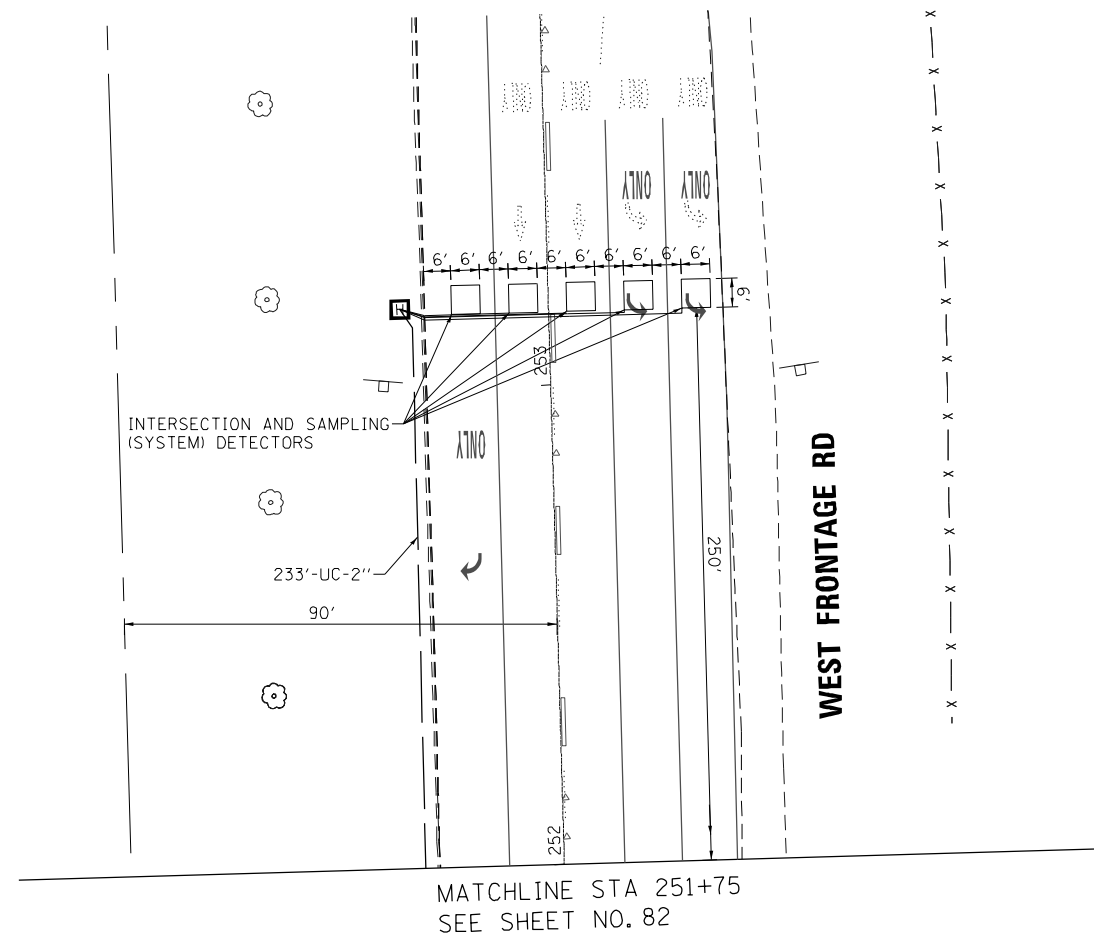
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	82
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

**TS 95
ECON 84**



NOTE:
EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

FILE NAME = D:\60Y73-shr-TS34-WestFrontage-Plan.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

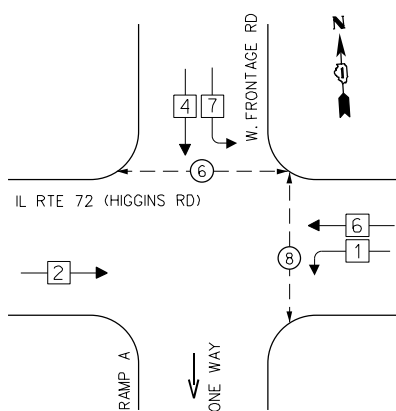
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	83
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

**TS 95
ECON 84**

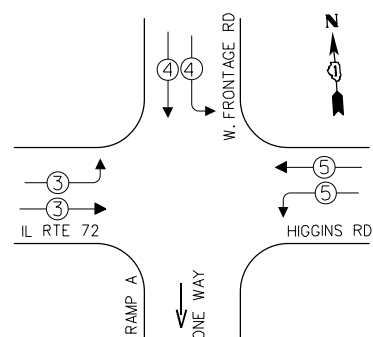
PROPOSED CONTROLLER SEQUENCE



- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◐ DUAL ENTRY PHASE
 - ◊ OVERLAP
 - ◑ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

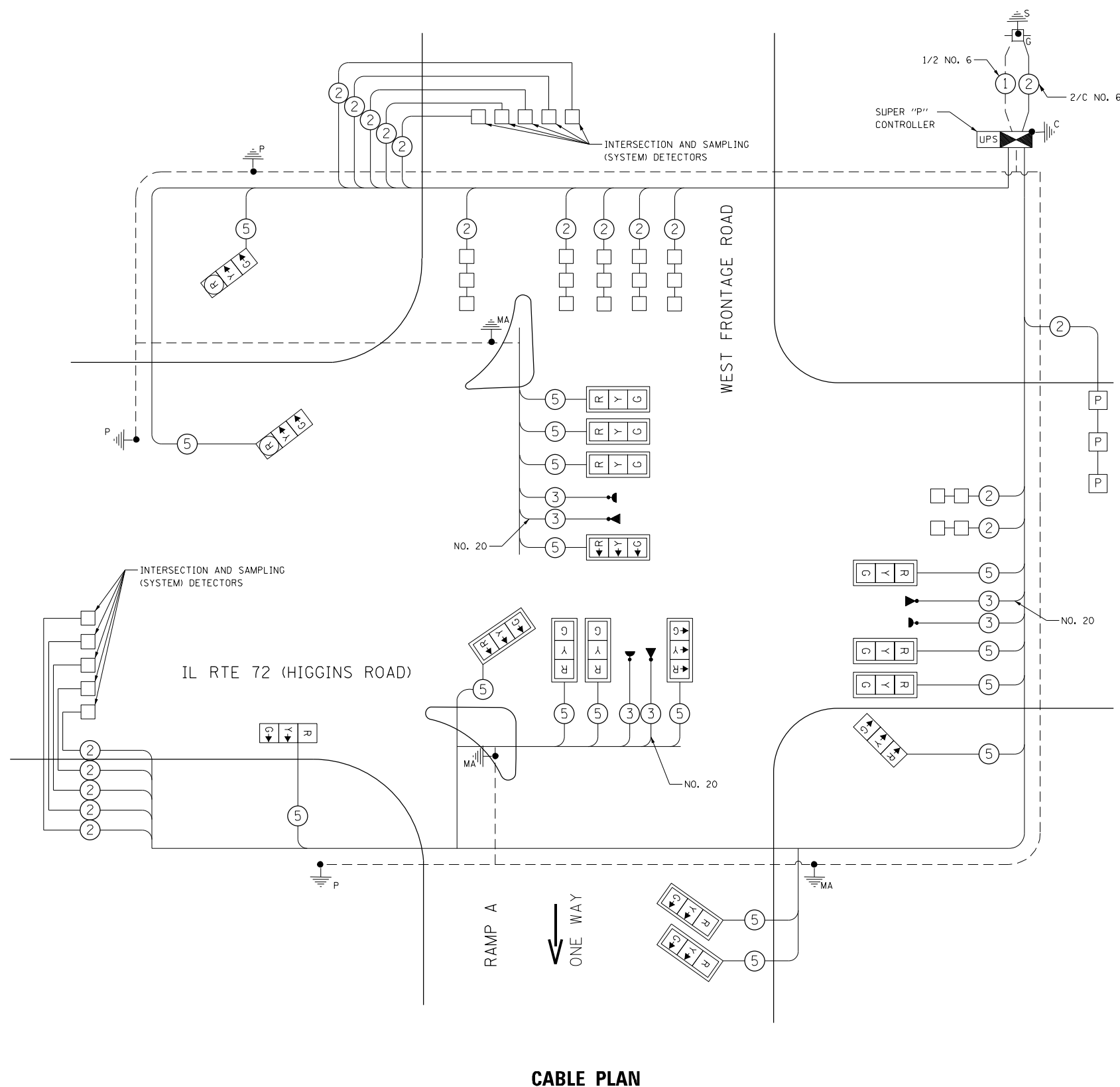
EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	17	17	0.50	144.5
(YELLOW)	17	25	0.25	106.25
(GREEN)	17	15	0.25	63.75
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN		120	0.05	
TOTAL				414.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON



CABLE PLAN

**TS 95
ECON 84**

FILE NAME = D:\60773-sht-TS35-WestFrontage-Cable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services

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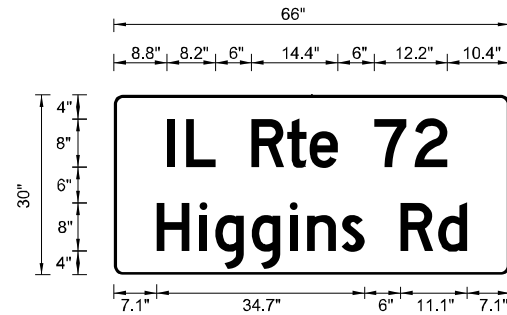
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	84
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
SIGN PANEL - TYPE 2	SQ FT	13.75
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	490
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	84
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	554
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	464
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	691
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	4241
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1565
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	280
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	917
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	1293
PREFORMED DETECTOR LOOP	FOOT	160
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	691
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

* 100% COST TO VILLAGE OF SCHAUMBURG

FILE NAME = D:\6073-sht-TS36-WestFrontage-S00.Sign.dgn
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**MAST ARM MOUNTED STREET NAME SIGNS
 AND SCHEDULE OF QUANTITIES
 IL ROUTE 72 (HIGGINS ROAD) AT WEST FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

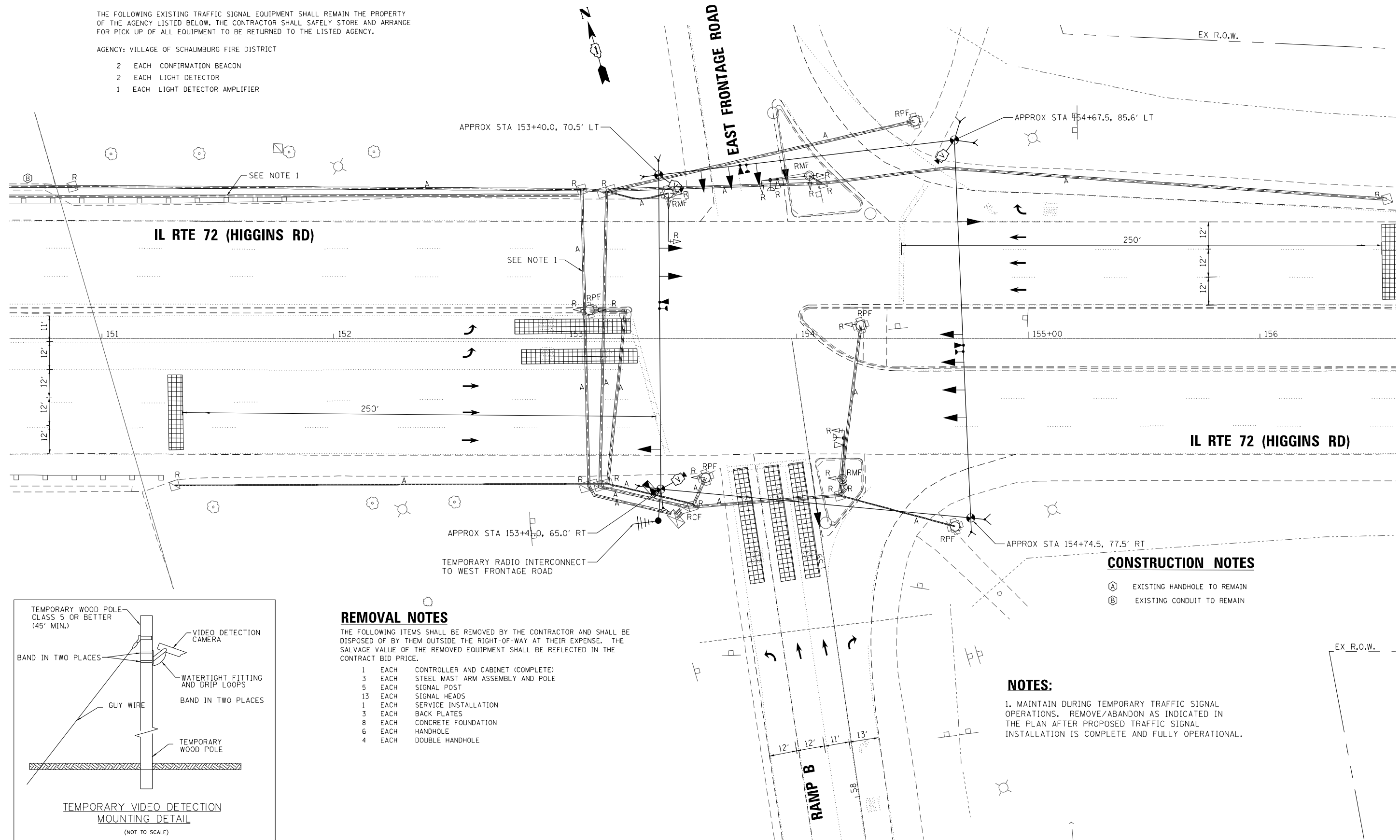
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	85
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 95
 ECON 84**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

AGENCY: VILLAGE OF SCHAUMBURG FIRE DISTRICT

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



CONSTRUCTION NOTES

- (A) EXISTING HANDHOLE TO REMAIN
- (B) EXISTING CONDUIT TO REMAIN

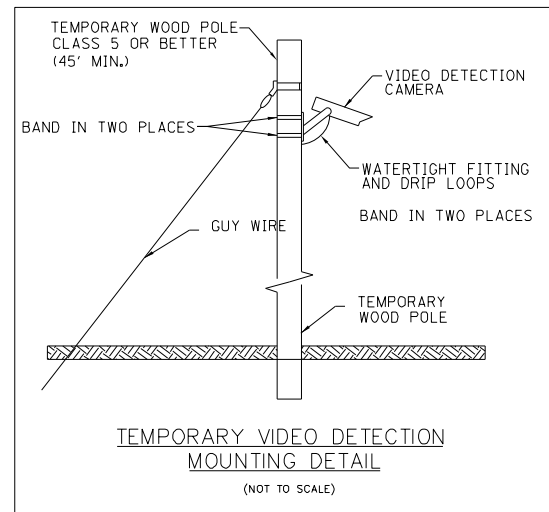
REMOVAL NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 3 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 5 EACH SIGNAL POST
- 13 EACH SIGNAL HEADS
- 1 EACH SERVICE INSTALLATION
- 3 EACH BACK PLATES
- 8 EACH CONCRETE FOUNDATION
- 6 EACH HANDHOLE
- 4 EACH DOUBLE HANDHOLE

NOTES:

1. MAINTAIN DURING TEMPORARY TRAFFIC SIGNAL OPERATIONS. REMOVE/ABANDON AS INDICATED IN THE PLAN AFTER PROPOSED TRAFFIC SIGNAL INSTALLATION IS COMPLETE AND FULLY OPERATIONAL.



FILE NAME = D:\6073-sht-TS41-EastFrontage-Temp.dgn
 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services

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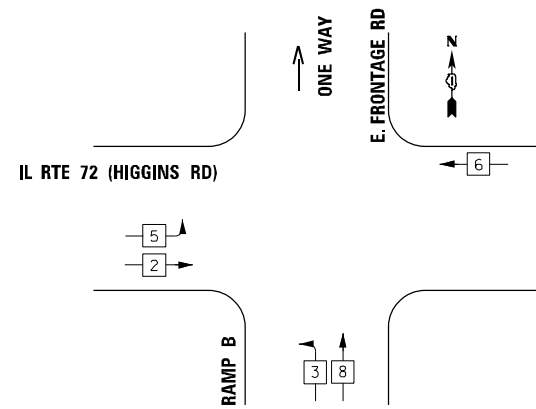
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	86
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

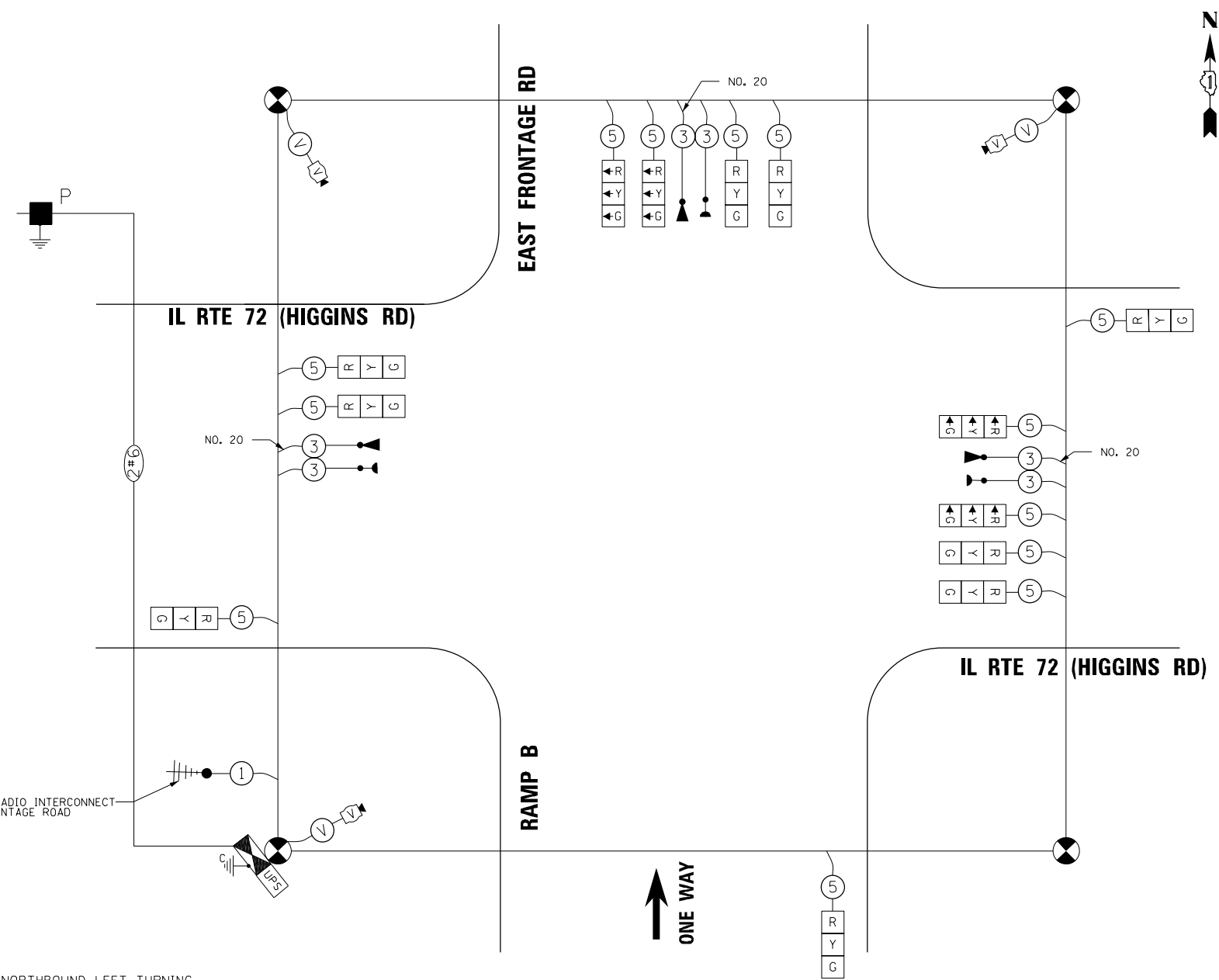
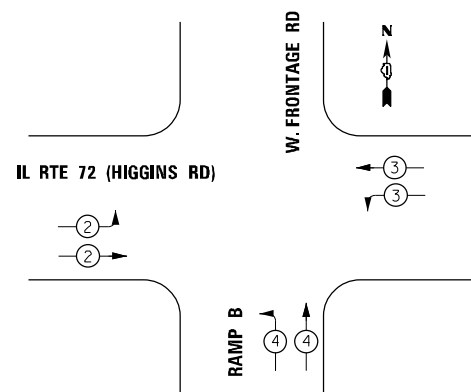
**TS 96
ECON 84**

TEMPORARY CONTROLLER SEQUENCE



- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◉ DUAL ENTRY PHASE
 - ◊ OL OVERLAP
 - ◉ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

NOTES:

1. EXISTING PHASING INCLUDES LAGGING NORTHBOUND LEFT TURNING PHASE. CONSULT WITH SCAT CONSULTANT ABOUT PROPOSED PHASING.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	13	17	0.50	110.5
(YELLOW)	13	25	0.25	81.25
(GREEN)	13	15	0.25	48.75
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM	1	150	1.00	150
FLASHER			0.50	
			TOTAL	490.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

FILE NAME = D:\6073-sht-TS42-EastFrontage-Tcable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services

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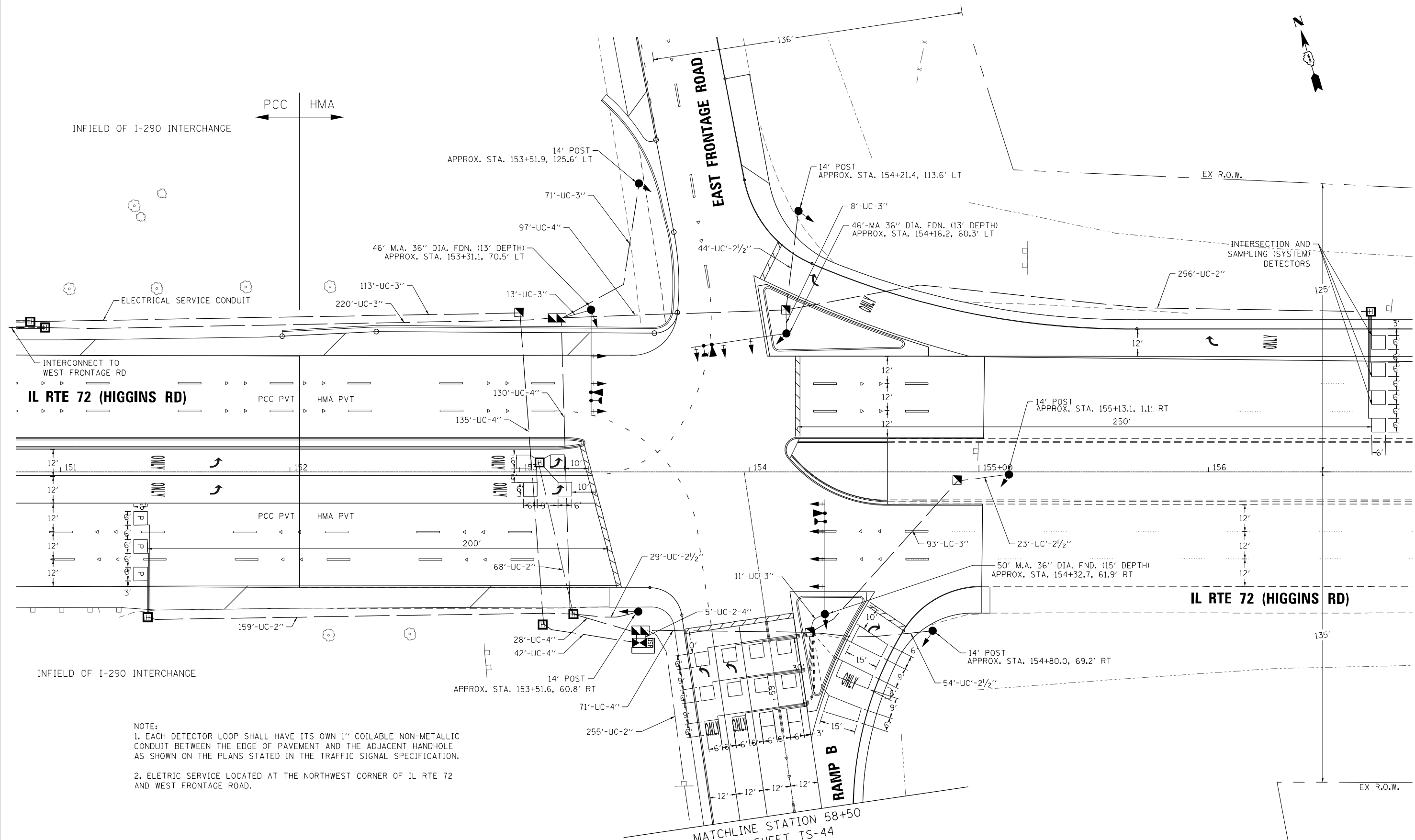
**STATE OF ILLINOIS
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**TEMPORARY TRAFFIC SIGNAL CABLE PLAN,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	87
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 96
ECON 84**



NOTE:
 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.
 2. ELETRIC SERVICE LOCATED AT THE NORTHWEST CORNER OF IL RTE 72 AND WEST FRONTAGE ROAD.

FILE NAME = D:\6073-sht-TS43-EastFrontage-Plan.dgn
 PLOT SCALE = 48.00000 / 1"
 USER NAME = Millennia Professional Services



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DATE - 3/16/2016	REVISED -

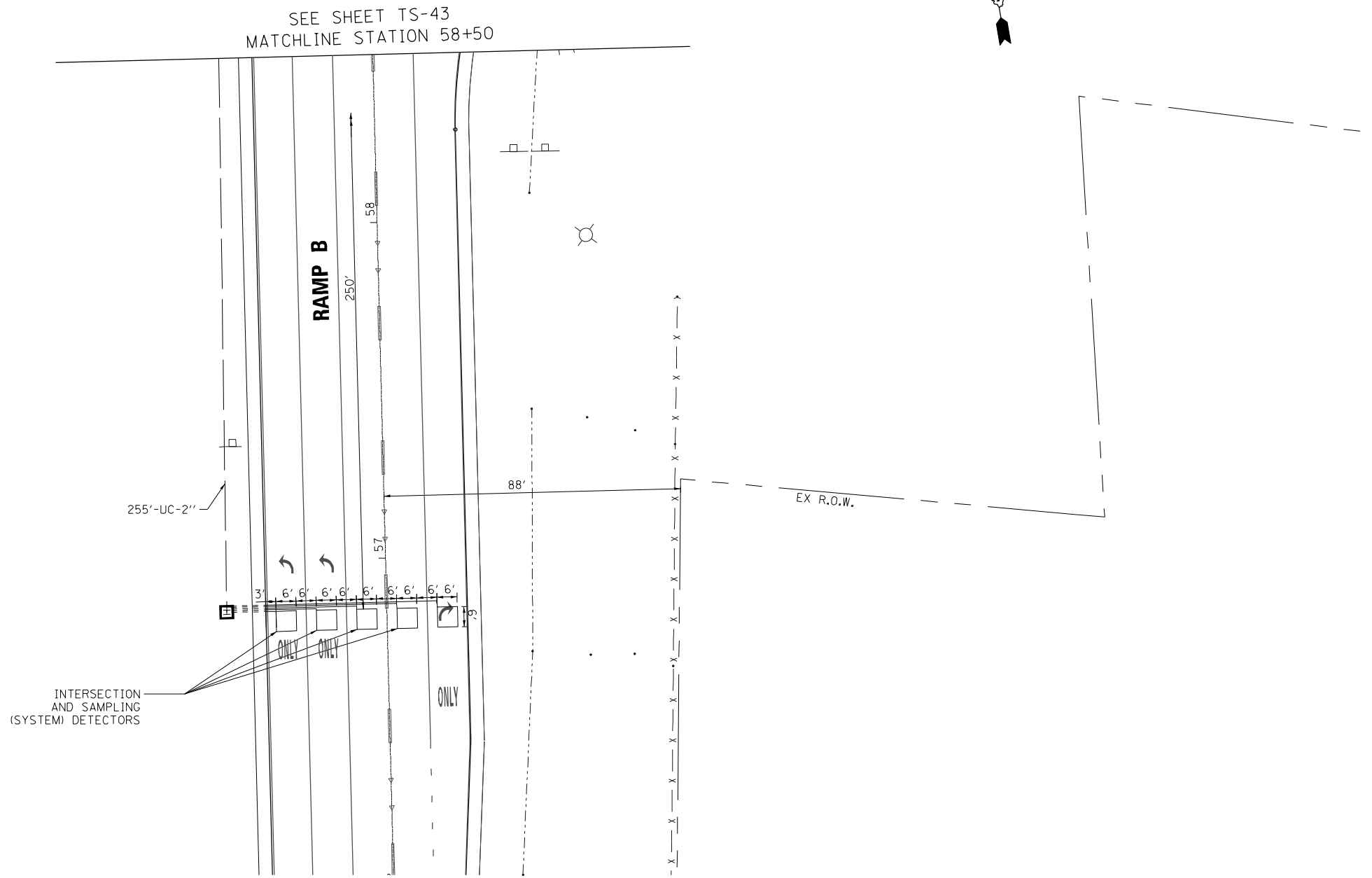
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	88
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS 96
ECON 84



FILE NAME = D:\6073-sht-TS44-EastFrontage-Plan.dgn
 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

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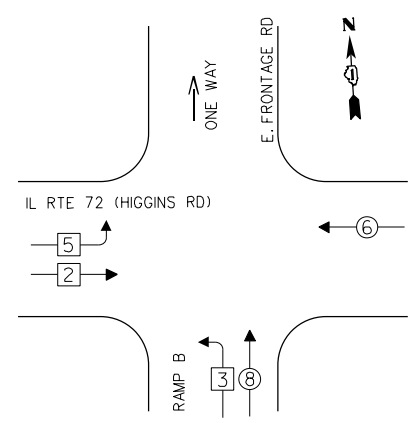
TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	89
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

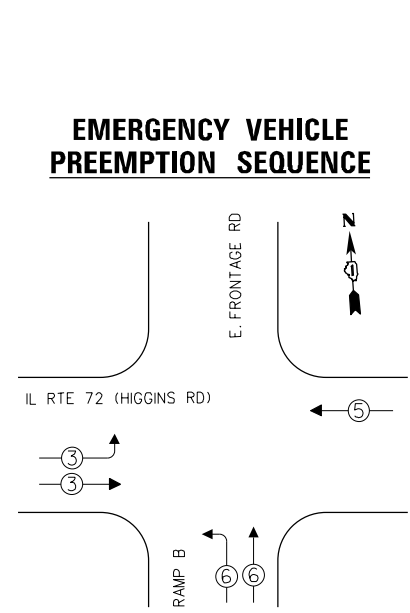
TS 96
ECON 84

PROPOSED CONTROLLER SEQUENCE

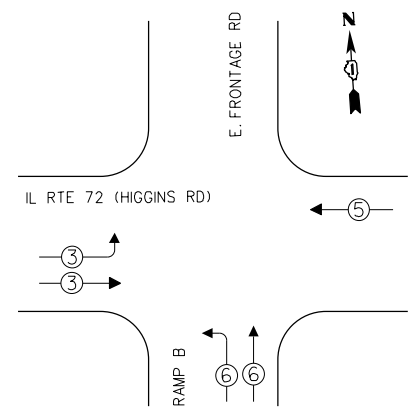


- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◻ DUAL ENTRY PHASE
 - ◻ OVERLAP
 - ◻ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



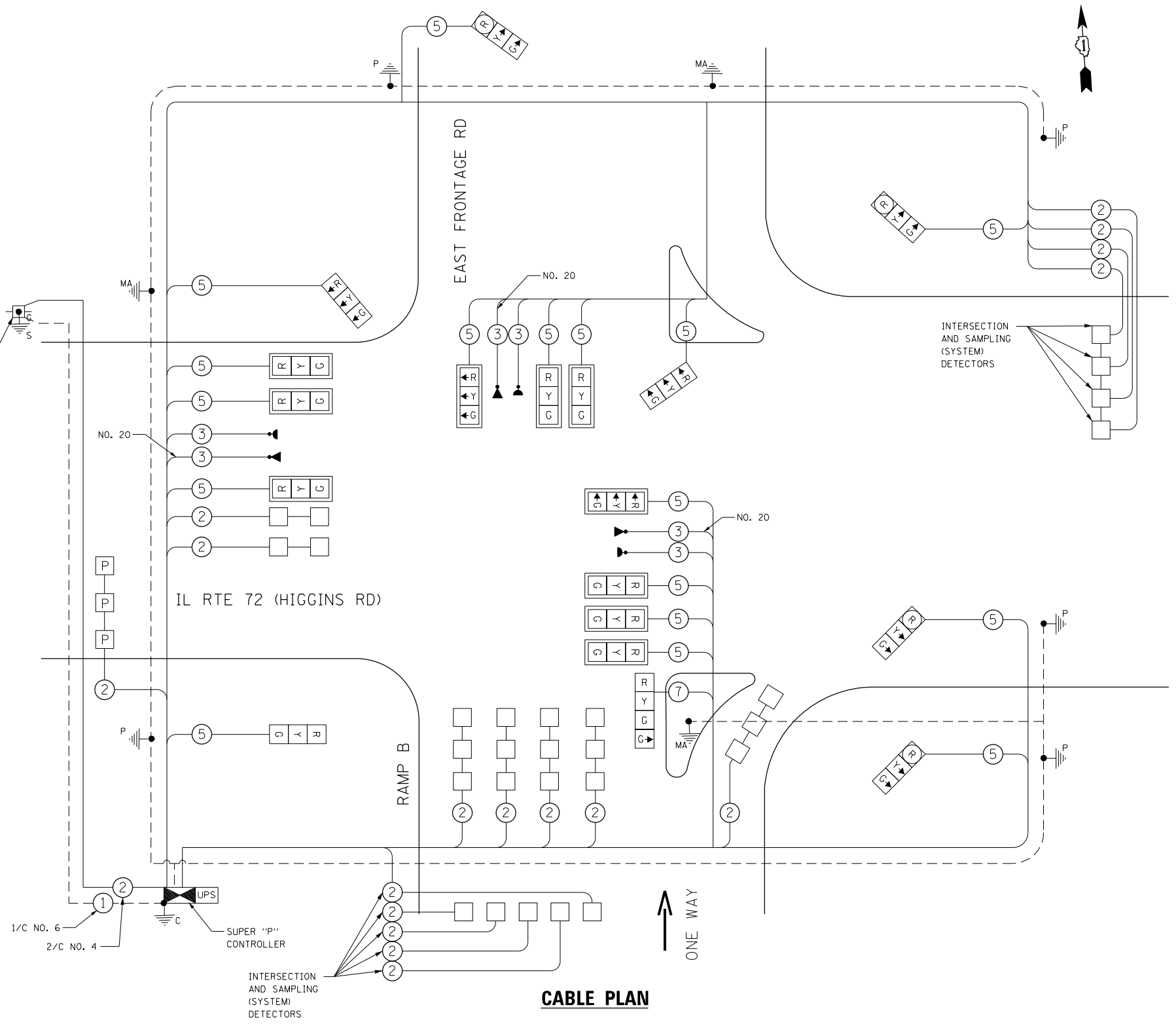
EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	18	17	0.50	153.0
(YELLOW)	18	25	0.25	112.5
(GREEN)	18	15	0.25	67.5
ARROW	1	12	0.10	1.2
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN		120	0.05	
TOTAL				434.2

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PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON



NOTES:
1. EXISTING PHASING INCLUDES LAGGING NORTHBOUND LEFT TURNING PHASE. CONSULT WITH SCAT CONSULTANT ABOUT PROPOSED PHASING.

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DATE - 12/21/2015	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

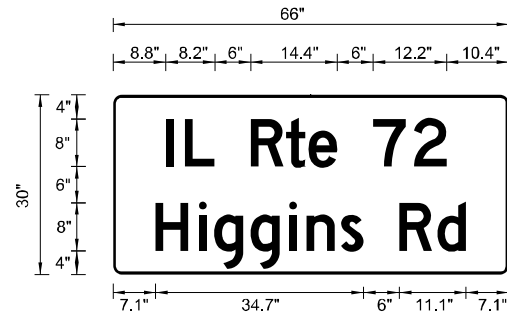
**IL RTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD
CABLE PLAN, CONTROLLER SEQUENCE AND
PHASE DESIGNATION DIAGRAM**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	90
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 96
ECON 84**

SIGN PANEL – TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
SIGN PANEL - TYPE 2	SQ FT	13.75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	738
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	150
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	424
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	504
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	769
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4311
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	129
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1404
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	1158
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1868
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	5
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	17
DETECTOR LOOP, TYPE I	FOOT	1274
PREFORMED DETECTOR LOOP	FOOT	148
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING DOUBLE HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	769
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

* 100% COST TO VILLAGE OF SCHAUMBURG

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 PLOT SCALE = 48.0000 / in.
 USER NAME = Millennia Professional Services



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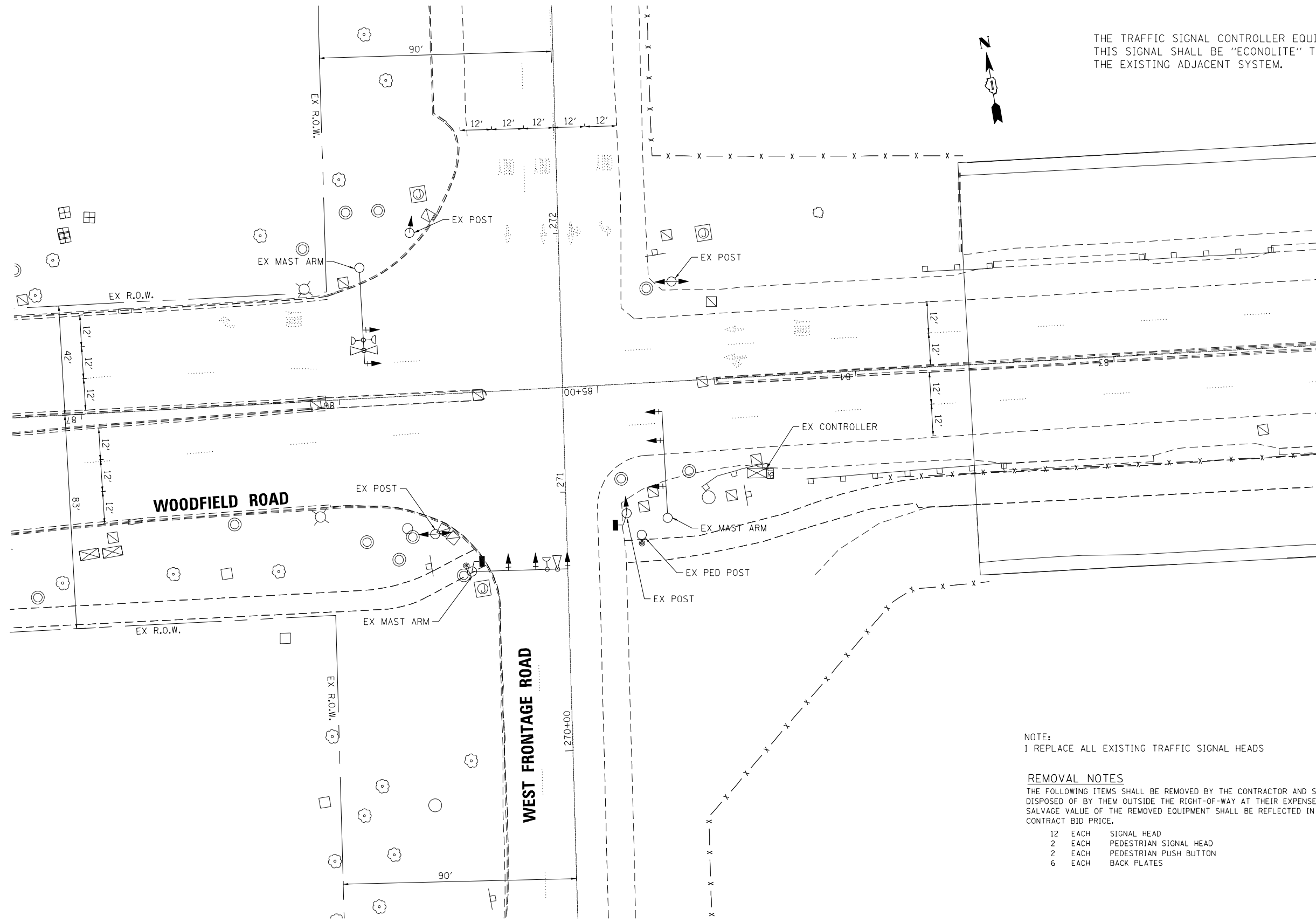
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
 AND SCHEDULE OF QUANTITIES
 IL ROUTE 72 (HIGGINS ROAD) AT EAST FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	91
CONTRACT NO. 60Y73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TS 96
 ECON 84**



THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:
1 REPLACE ALL EXISTING TRAFFIC SIGNAL HEADS

REMOVAL NOTES
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

12	EACH	SIGNAL HEAD
2	EACH	PEDESTRIAN SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH BUTTON
6	EACH	BACK PLATES

FILE NAME = D:\6073-shr-TS51-Woodfield.W-Plan.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD AT WEST FRONTAGE ROAD
TRAFFIC SIGNAL INSTALLATION PLAN**

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

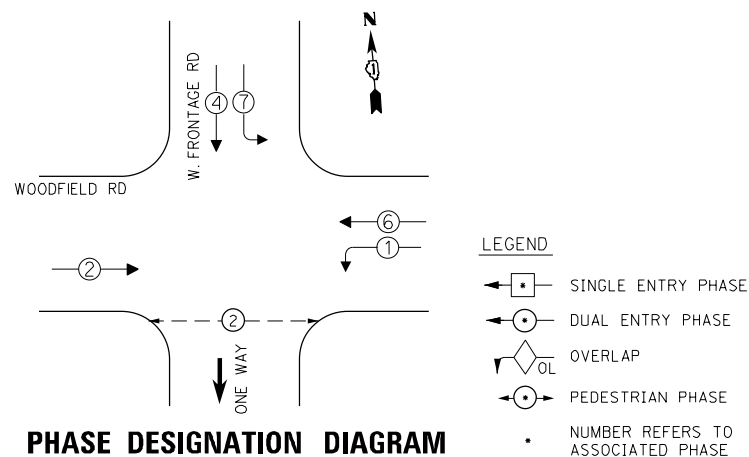
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	92
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

TS#

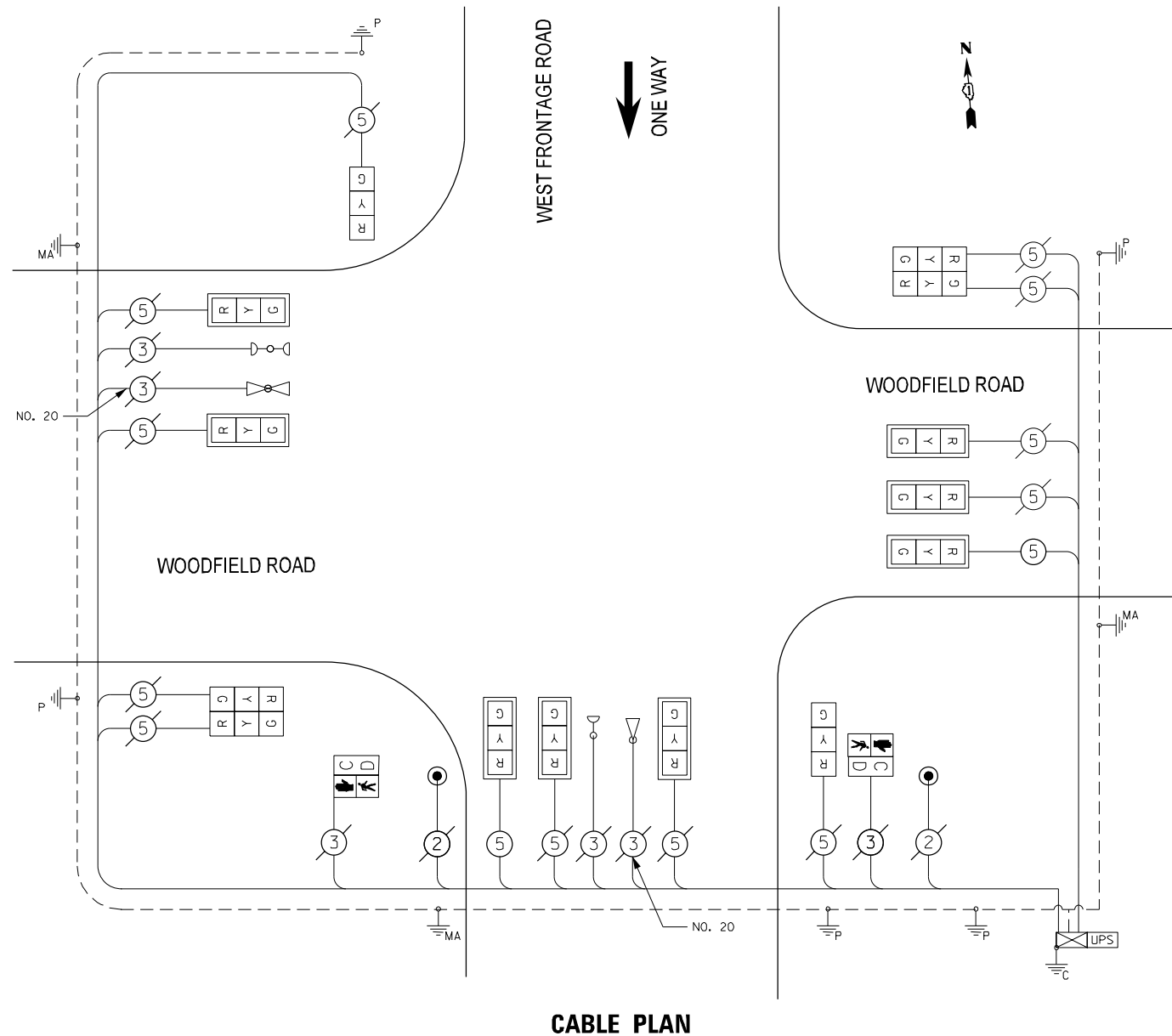
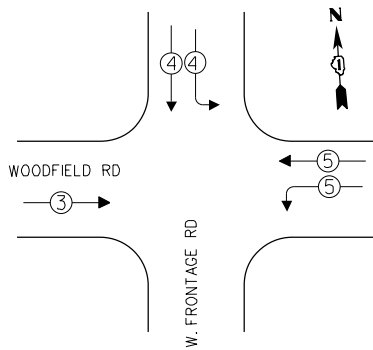
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	350
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

EXISTING CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	14	17	0.50	119.0
(YELLOW)	14	25	0.25	87.5
(GREEN)	14	15	0.25	52.5
ARROW		12	0.10	
PED. SIGNAL	2	25	1.00	50.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN		120	0.05	
TOTAL				409.0
VIDEO SYSTEM		150	1.00	
FLASHER			0.50	

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

FILE NAME = D:\6073-sht-TS52-Woodfield.W-Cable.dgn
PLOT SCALE = 48.0000 / in.
USER NAME = Millennium Professional Services

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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

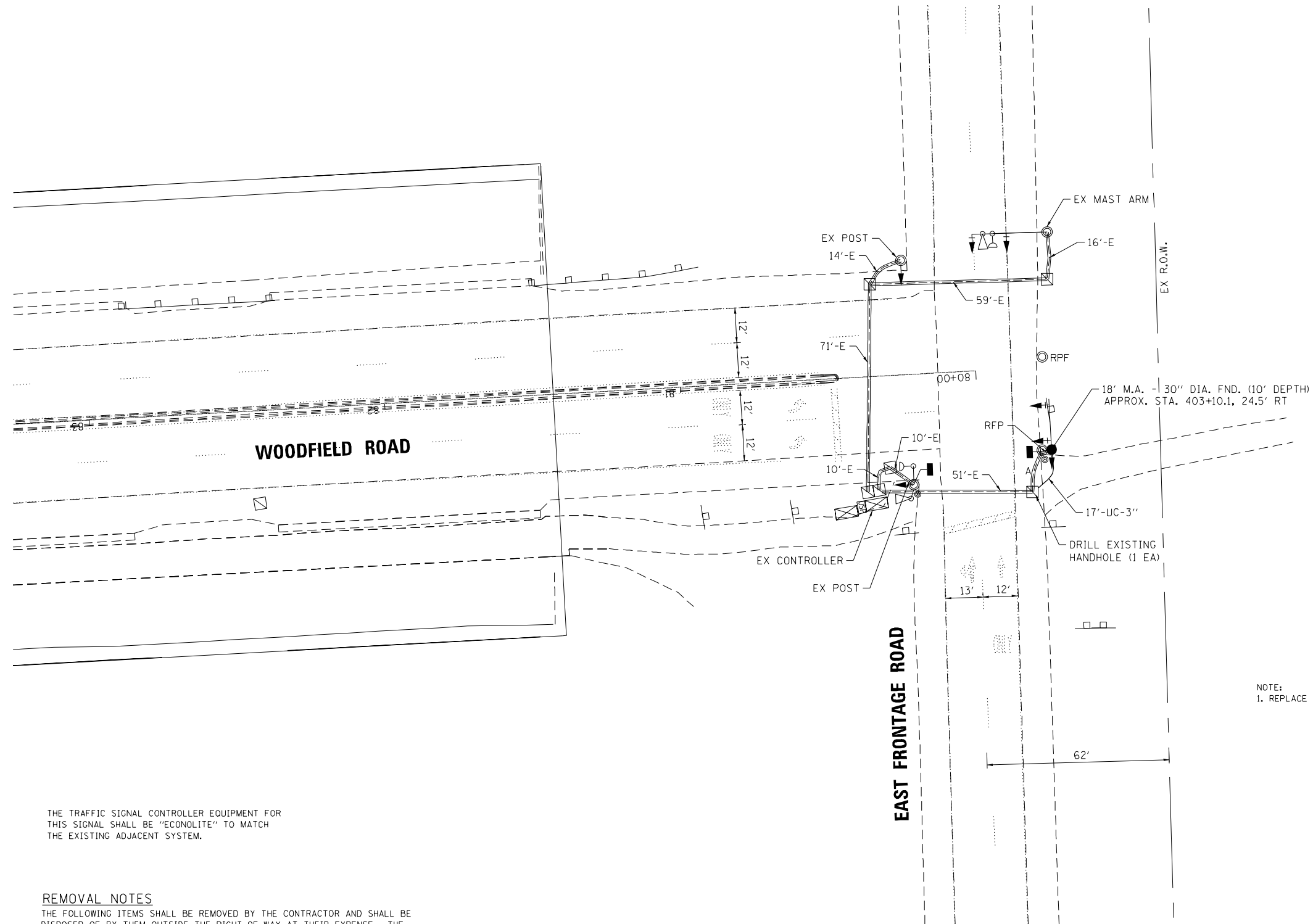
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD AT WEST FRONTAGE ROAD
SCHEDULE OF QUANTITIES, CABLE PLAN,
CONTROLLER SEQUENCE AND PHASE DESIGNATION DIAGRAM**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&O305-302K)TS&N-3	COOK	153	93
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS#



NOTE:
1. REPLACE ALL EXISTING TRAFFIC SIGNAL HEADS

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REMOVAL NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 6 EACH SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH BUTTON
- 1 EACH BACK PLATES
- 2 EACH SIGNAL POST
- 2 EACH CONCRETE FOUNDATION

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PLOT SCALE = 48.0000 / in.
USER NAME = Millennia Professional Services



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
WOODFIELD ROAD AT EAST FRONTAGE ROAD**

SCALE: 1=20 SHEET NO. OF SHEETS STA. TO STA.

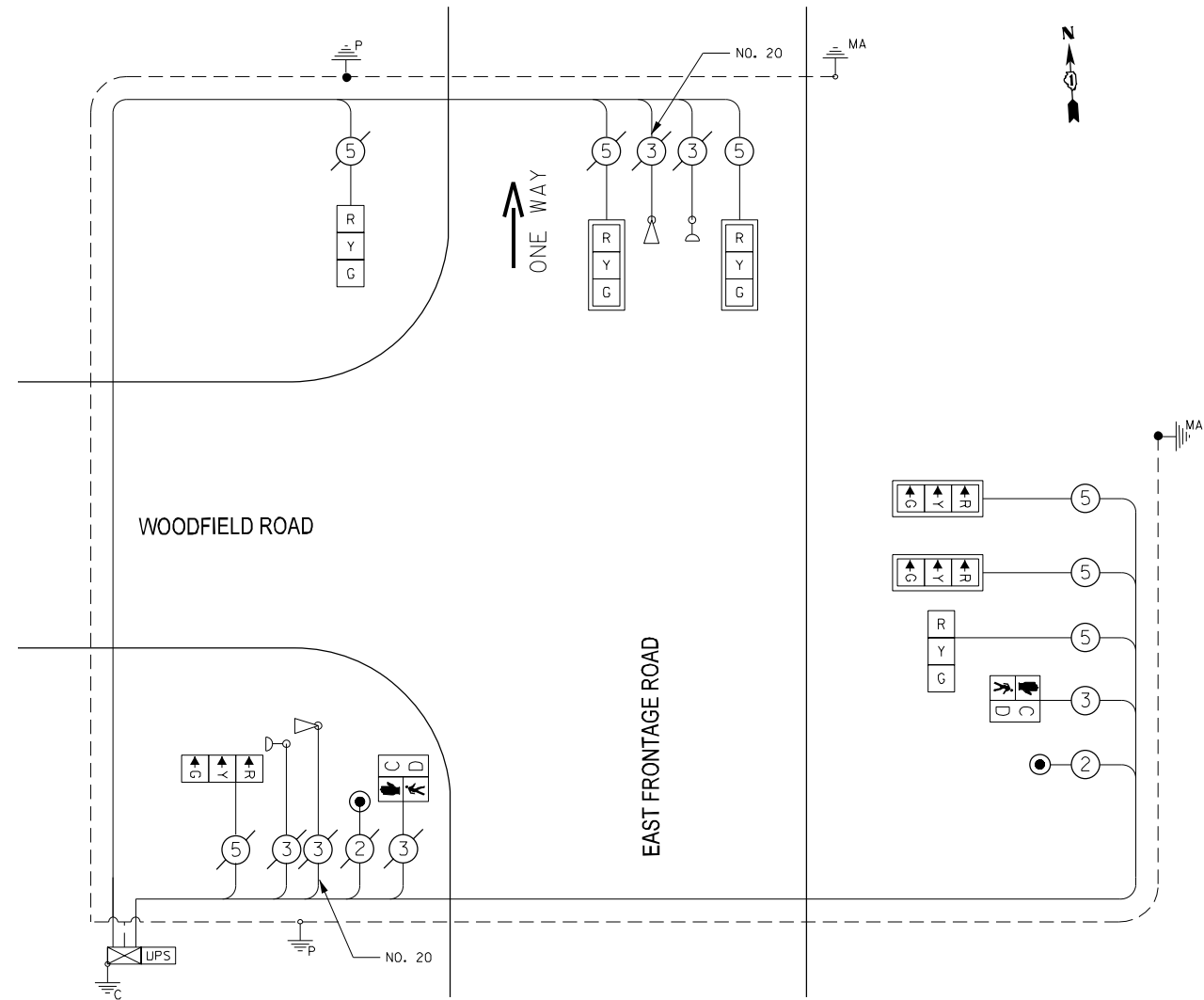
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341	(32-3-R&0305-302K)TS&N-3	COOK	153	94
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y73	

TS#

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	17
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	108
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	102
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	592
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	44
STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



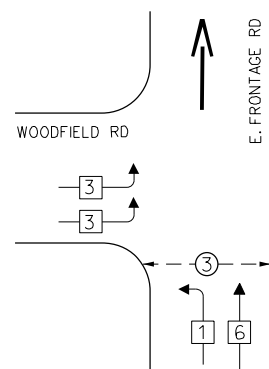
CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	6	17	0.50	59.5
(YELLOW)	6	25	0.25	43.8
(GREEN)	6	15	0.25	26.3
ARROW		12	0.10	
PED. SIGNAL	2	25	1.00	50.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM		150	1.00	
FLASHER			0.50	
TOTAL				279.5

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

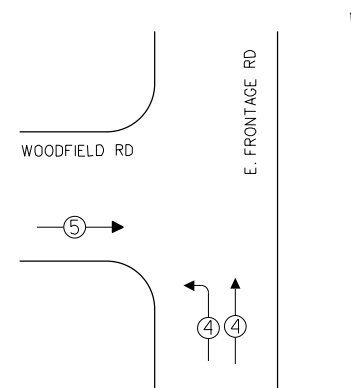
EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◉ DUAL ENTRY PHASE
 - ◊ OVERLAP
 - ◉ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



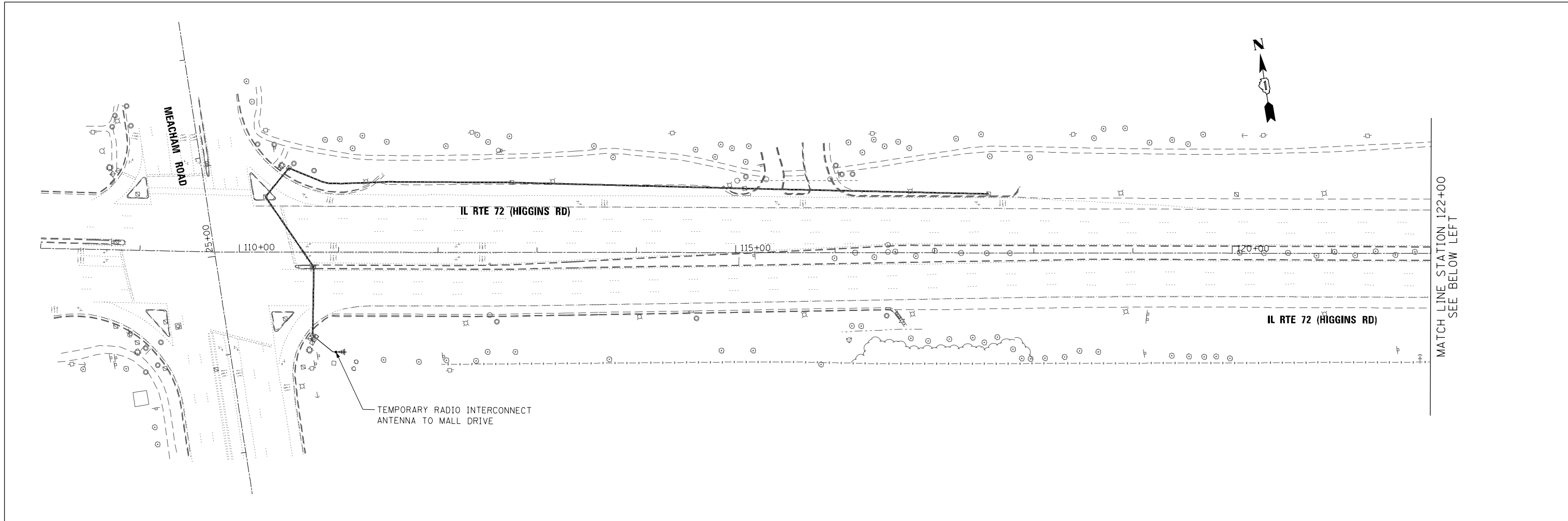
STATE OF ILLINOIS
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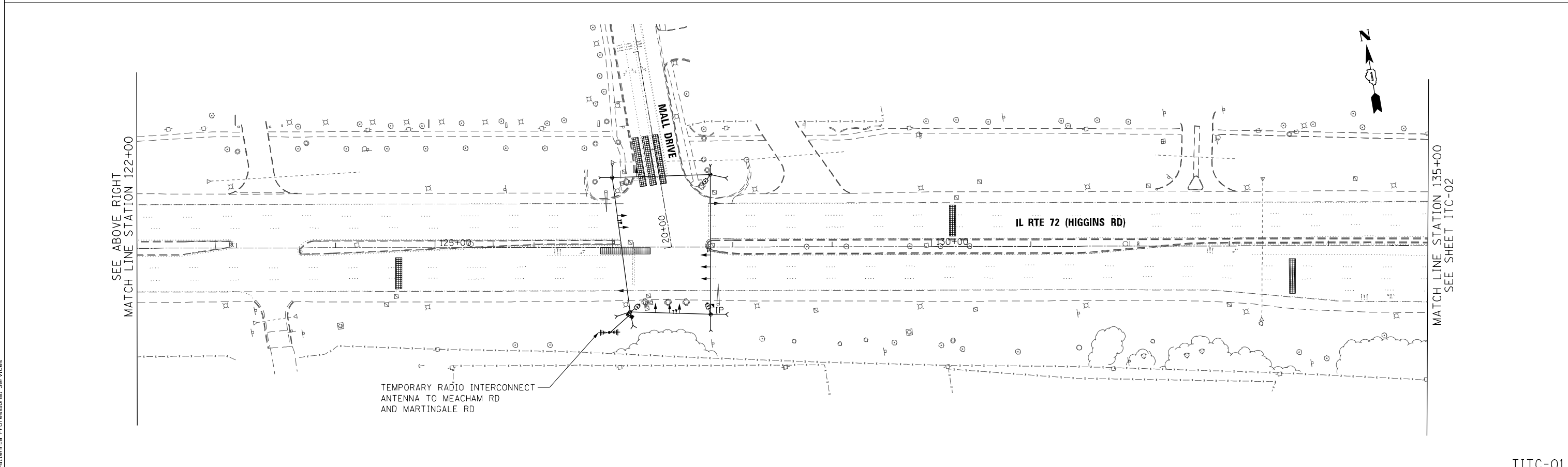
SCHEDULE OF QUANTITIES, CABLE PLAN, CONTROLLER SEQUENCE AND EMERGENCY VEHICLE SEQUENCE			
WOODFIELD ROAD AT EAST FRONTAGE ROAD			
SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	95
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60Y73

TS#-XX



MATCH LINE STATION 122+00
SEE BELOW LEFT



SEE ABOVE RIGHT
MATCH LINE STATION 122+00

MATCH LINE STATION 135+00
SEE SHEET ITC-02

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PLOT SCALE = 100.0000 / in.
USER NAME = Millennia Professional Services



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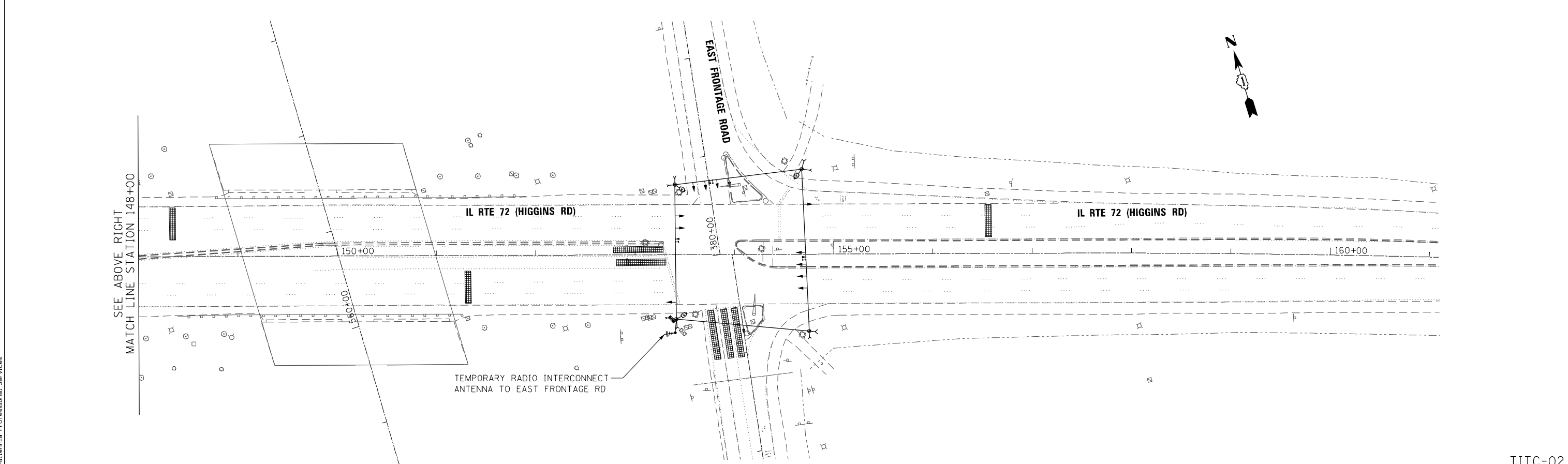
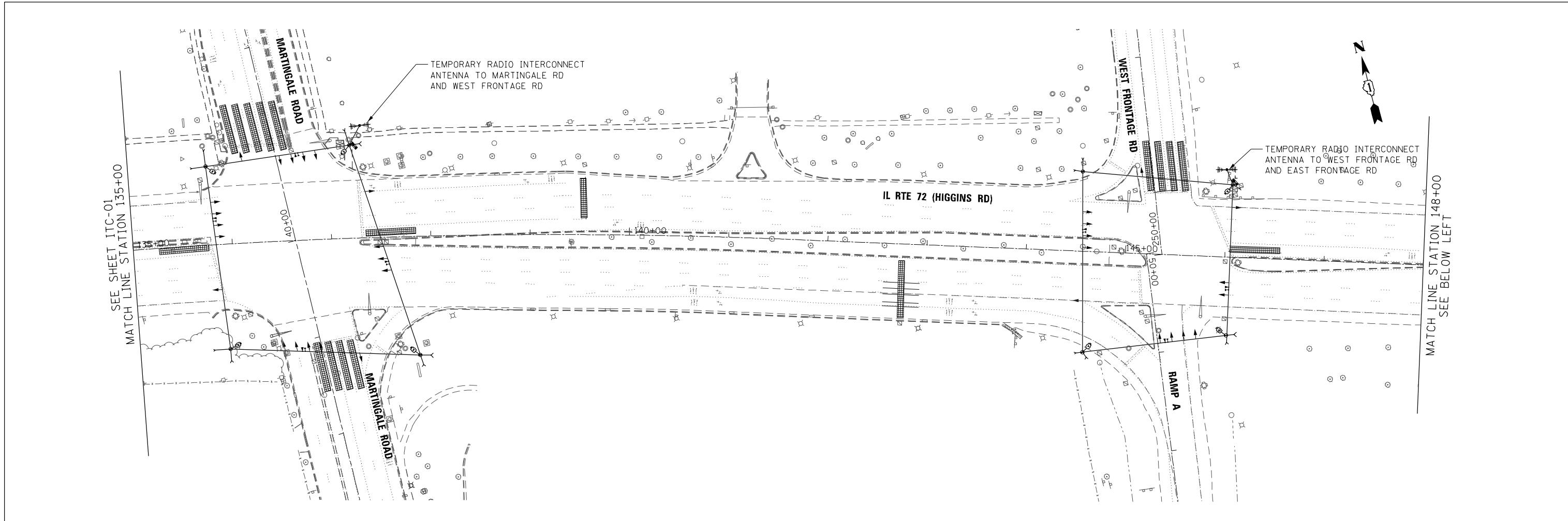
**TEMPORARY INTERCONNECT PLAN (SHEET 1 OF 3)
IL RTE 72 (HIGGINS ROAD)
MEACHAM RD TO I-290-IL 53 E RAMP**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	96
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TITC-01

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 USER NAME = Millennia Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

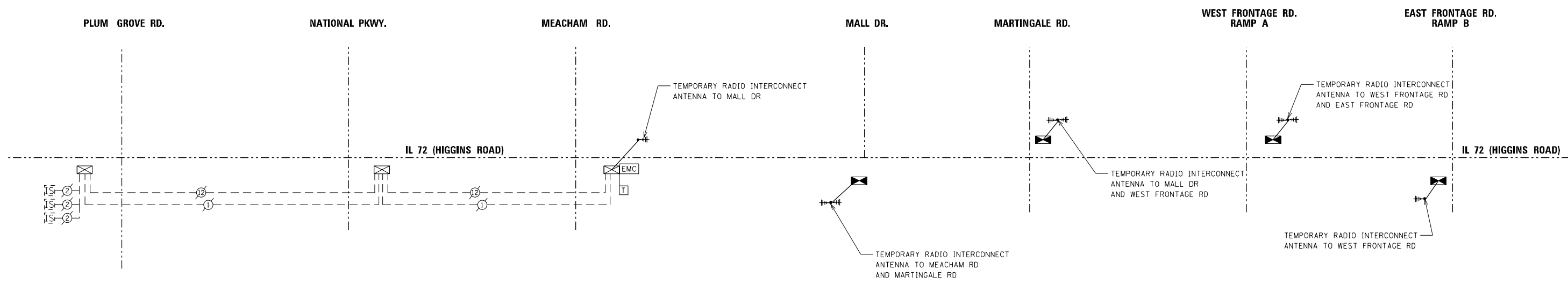
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN (SHEET 2 OF 3)
 IL RTE 72 (HIGGINS ROAD)
 MEACHAM RD TO I-290-IL 53 E RAMP**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	97
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TITC-02



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DRAWN -	JP	REVISED -	
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DATE -	12/21/2015	REVISED -	

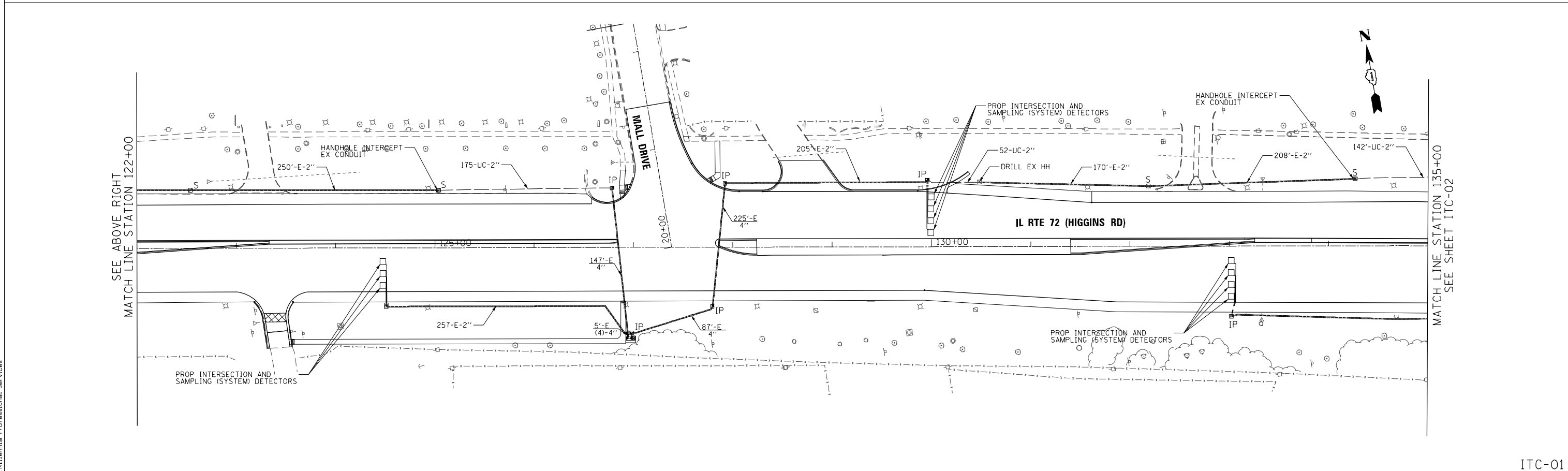
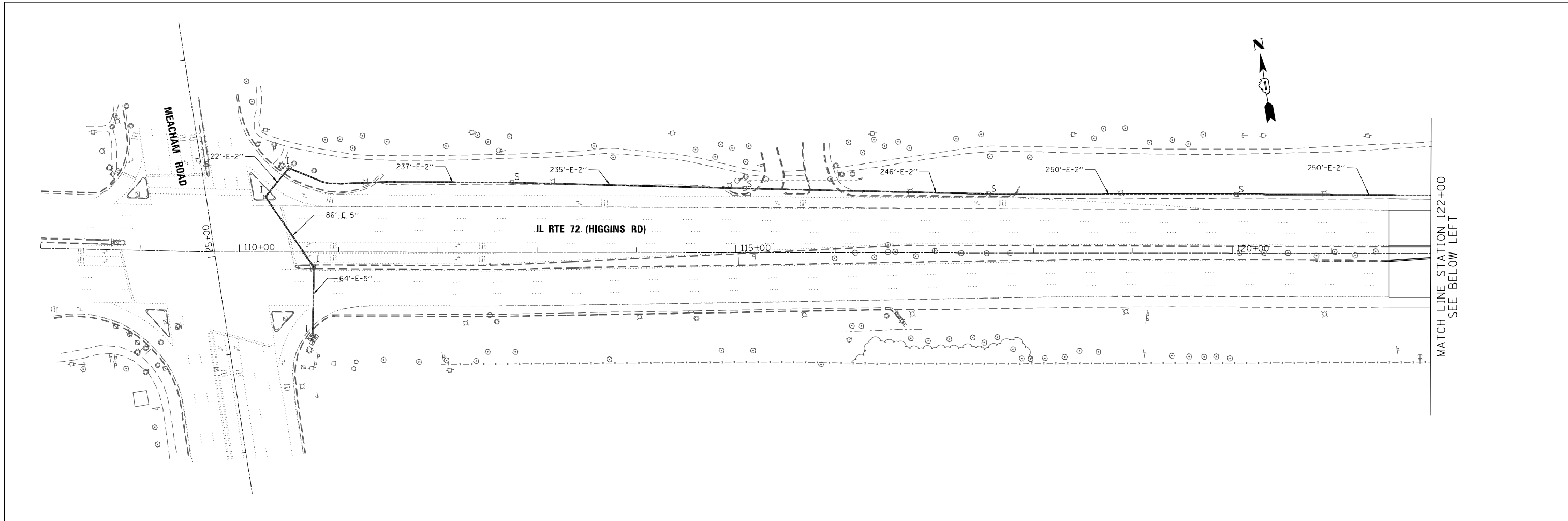
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TEMPORARY INTERCONNECT SCHEMATIC (SYSTEM NO. 84)
IL RTE 72 (HIGGINS ROAD)
PLUM GROVE RD TO I-290L RTE 53 NB RAMP/FRONTAGE RD

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	98
CONTRACT NO.			60Y73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TITC-03



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 PLOT SCALE = 1/8" = 1' / in.
 USER NAME = Millennia Professional Services



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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

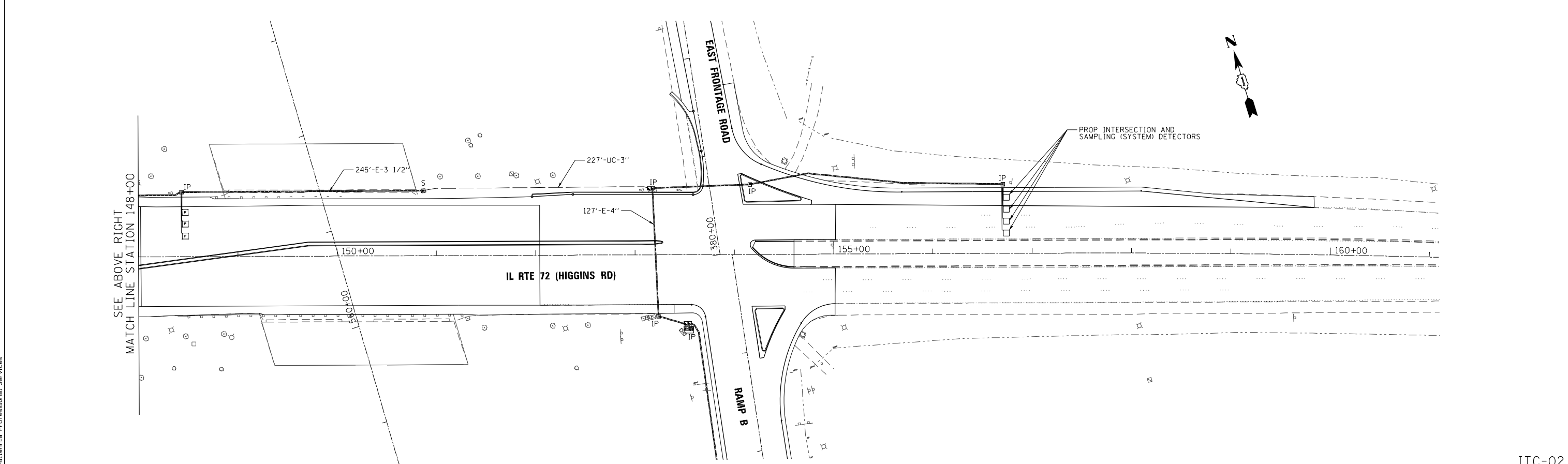
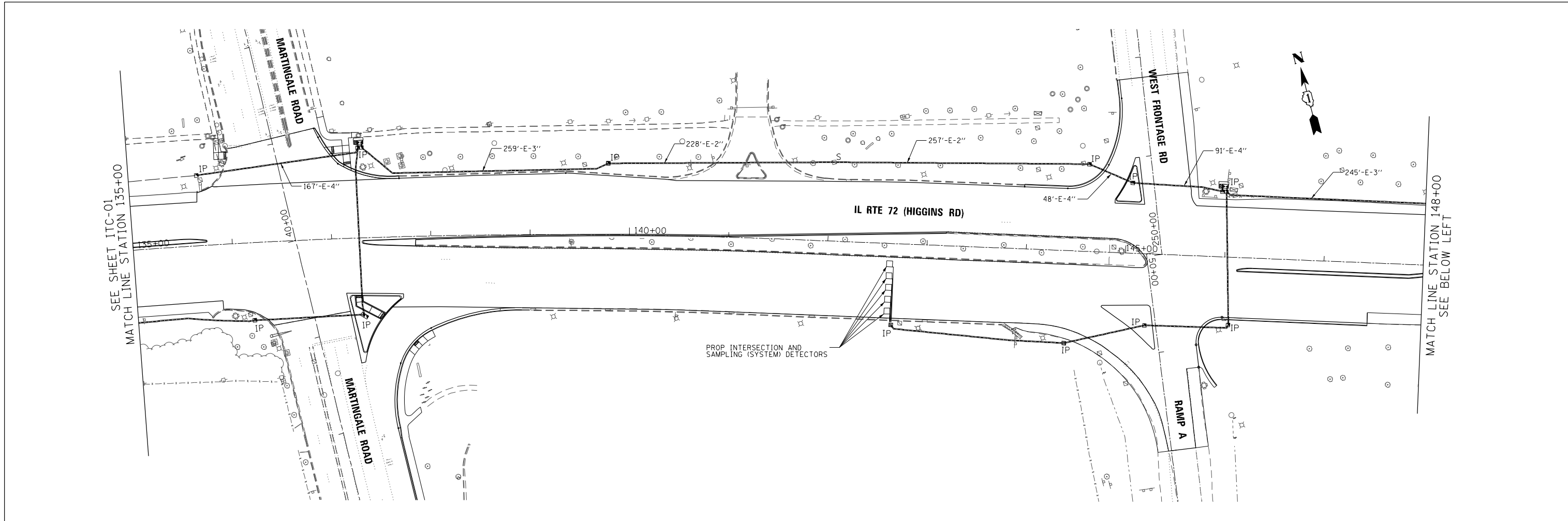
**PROPOSED INTERCONNECT PLAN (SHEET 1 OF 3)
 IL RTE 72 (HIGGINS ROAD)
 MEACHAM RD TO I-290-IL 53 E RAMP**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	99
CONTRACT NO.				60Y73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ITC-01

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FILE NAME = D:\60Y73-sh1-INTC02-Interconnect.dgn
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 USER NAME = Millennium Professional Services



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CHECKED - TVN	REVISED -
DATE - 12/21/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 (HIGGINS ROAD)
 INTERCONNECT PLAN**

SCALE: 1=50 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(32-3-R&0305-302K)TS&N-3	COOK	153	100
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y73

ITC-02