

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	1
		ILLINOIS	CONTRACT NO. 60T22	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF LOMBARD AND GLEN ELLYN

TRAFFIC DATA:

IL 53 (OTHER PRINCIPAL ARTERIAL):

ADT (2023) = 15,800 VPD
SPEED LIMIT = 40 MPH

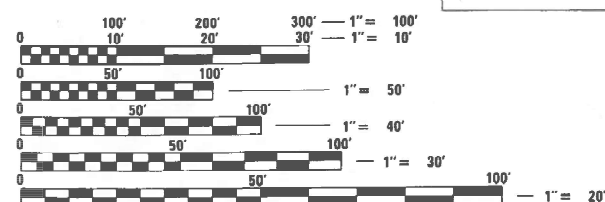
SURREY DRIVE (LOCAL ROAD):

ADT (2016) = 2,936 VPD
SPEED LIMIT = 30 MPH

PARKVIEW BOULEVARD (LOCAL ROAD):

ADT (2016) = 777 VPD
SPEED LIMIT = 30 MPH

** = MEDIAN IMPROVEMENT PROPOSED NORTH OF BRYANT AVENUE; NEW SHOULDERS PROPOSED WEST OF GRANDVIEW AVENUE TO EAST OF SPRING AVENUE



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

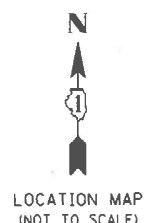
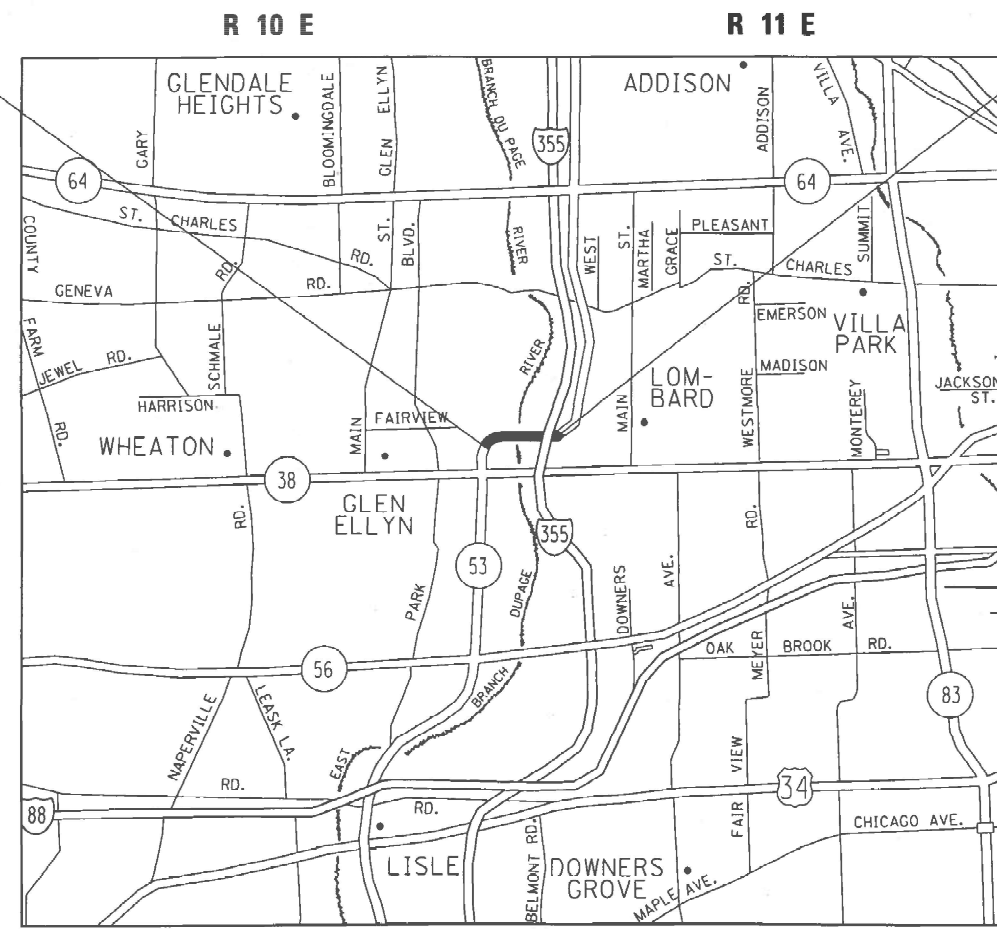
PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 60T22

PROPOSED HIGHWAY PLANS
FAP ROUTE 870: IL 53 / COLUMBINE AVENUE AT PARKVIEW BOULEVARD / SURREY DRIVE**
SECTION: 2016-048TS
PROJECT: NHPP-E7P4(384)
CHANNELIZATION, TRAFFIC SIGNAL INSTALLATION**
DUPAGE COUNTY
C-91-310-12

PROJECT BEGINS STA 109+58

PROJECT ENDS STA 33+64



MILTON TOWNSHIP YORK TOWNSHIP

GROSS LENGTH = 4,402 FEET = 0.834 MILES
NET LENGTH = 2,439 FEET = 0.462 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED August 9, 2024
REGIONAL ENGINEER
October 4, 2024
ENGINEER OF DESIGN AND ENVIRONMENT
October 4, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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STATE STANDARDS

GENERAL NOTES

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1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOURS NOTIFICATION REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, THE VILLAGES OF GLEN ELLYN AND LOMBARD, AND IDOT.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSIONS FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS, AS WELL AS CHECKING THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON-SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED, FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.
9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
10. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS OR OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
11. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
12. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING LIMITS (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
13. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
14. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTERS AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
15. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MIN 1:3 (V:H).
16. LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW REISTANT)" SHOWN IN THE PLANS.
17. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO THE ARTICLE 109.04 OF THE STANDARD UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.

GENERAL NOTES CONTINUE ON SHEET NO. 3

FILE NAME : pw\illdot\pwbentley.com\PI\DOT Documents\District 1\Projects\PI45209\CD\Drawings\PI45209-shr-gennote.dgn	USER NAME : ayg.elkhatib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 100.0000' / in.	CHECKED -	REVISED -			B70	2016-048T5	DUPAGE	75	2
Default	PLOT DATE : 9/27/2024	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60T22		

GENERAL NOTES (CONTINUED)

18. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO THE ARTICLE 194.04 OF THE STANDARD UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.
19. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
20. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
21. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO THE BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT
22. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
23. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
24. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
25. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
26. IT SHALL BE THE CONTRACTOR'S RESPONISBLITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
27. THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
28. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
29. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
30. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
31. A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF CONCRETE APRON, AS DIRECTED BY THE ENGINEER.
32. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
33. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
34. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
35. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
36. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
37. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR1.
38. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM / WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

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USER NAME = aya.elkhatib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	3
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
20200100	EARTH EXCAVATION	CU YD	1405	705				700	
20800150	TRENCH BACKFILL	CU YD	200					200	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	95	62				33	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	119	119					
21400100	GRADING AND SHAPING DITCHES	FOOT	1290	1290					
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22.5	22.5					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22.5	22.5					
25100630	EROSION CONTROL BLANKET	SO YD	548	548					
25200110	SODDING, SALT TOLERANT	SO YD	119	119					
25200200	SUPPLEMENTAL WATERING	UNIT	1.2	1.2					
28000305	TEMPORARY DITCH CHECKS	FOOT	72	72					
28000500	INLET AND PIPE PROTECTION	EACH	8	8					
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	548	548					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	32	21				11	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1646	806				840	
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	72	48				24	
35400100	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"	SO YD	34					34	
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SO YD	310	310					
35600715	HOT-MIX ASPHALT BASE COURSE WIDENING,	SO YD	330					330	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3741	3366				375	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	2164	2164					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7.2	7.2					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	102	102					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4, 75, N50	TON	210	210					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	50					50	
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	525	470				55	

* = SPECIALTY ITEMS
 Δ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
pw\N\dot-pw\benfrey.com\PIW\DOT Documents\1007 - Office\District\Projects\PI45209\CADD\Design\PI45209-sht-300.DWG	ajaykhattib	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL 53 (AT PARKVIEW BOULVERAD /SURREY DRIVE)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-04BT5		75	4
CONTRACT NO. 60T22			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
42001300	PROTECTIVE COAT	SO YD	153	95					58
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	419	419					
44000100	PAVEMENT REMOVAL	SO YD	562	290					272
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	4801	4801					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	221	221					
44000600	SIDEWALK REMOVAL	SO FT							
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	2678						2678
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	106	106					
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	67	67					
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	19	19					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	149	94					55 *
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	775	413					362 *
50105220	PIPE CULVERT REMOVAL	FOOT	120	120					
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	129	123					6
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	190						190
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	1					1
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3					
60500050	REMOVING CATCH BASINS	EACH	1	1					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	220	220					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	205						205
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1405	705					700 *
66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					

* = SPECIALTY ITEMS
 Δ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10					
67100100	MOBILIZATION	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3716	3716					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	616	616					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	109	109					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	6884	6884					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	839	839					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	282	282					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	92	92					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	929	929					
* 72000200	SIGN PANEL - TYPE 2	SO FT	80		80				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	109	109					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6884	6884					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	839	839					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	282	282					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	92	92					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	68	68					

* = SPECIALTY ITEMS
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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						CODE NO	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN		CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	58	58					*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1							
	REMOVAL																			
78300202	PAVEMENT MARKING REMOVAL - WATER	SO FT	3289	3289					*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	2930				2930			
	BLASTING										14 1C									
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	2839			665	2174		*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	995				995			
	2" DIA.										14 2C									
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	130			130			*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1280				1280			
	3" DIA.										14 3C									
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	374			374			*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2035				2035			
	4" DIA.										14 5C									
* 81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA.,	FOOT	85				85		*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	690				690			
	PVC COATED GALVANIZED STEEL										14 7C									
* 81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED	EACH	2				2		*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	980				980			
	TO STRUCTURE, 18" X 18" X 8"										14 1 PAIR									
* 81400100	HANDHOLE	EACH	2			2			*	87301804	ELECTRIC CABLE IN CONDUIT, SERVICE NO.	FOOT	130				130			
											6 1C									
* 81400200	HEAVY-DUTY HANDHOLE	EACH	10			4	6		*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	650				650			
											GROUNDING CONDUCTOR, NO. 6 1C									
* 81400300	DOUBLE HANDHOLE	EACH	2			2			*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	4				4			
											16 FT.									
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	1				1													
	INSTALLATION																			

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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN	CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2			2			* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2			2				
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1			1			* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6			6				
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1			1			* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8			8				
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20			88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4				
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4			* 88600100	DETECTOR LOOP, TYPE I	FOOT	250			250				
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	34			34			* 88700200	LIGHT DETECTOR	EACH	2					2		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13			13			* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1					1		
* 87900200	DRILL EXISTING HANDHOLE	EACH	1				1		* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	260					260		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6			6			* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1				
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6			6			* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1				
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2			2			X2020110	GRADING AND SHAPING SHOULDERS	UNIT	25	14				11		
									X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	35	35						

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1					
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	150	150					
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
* X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1				
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1				
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3000				3000		
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6		6				
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4		4				
* X8809005	LED SIGNAL FACE, LENS COVER	EACH	16		16				
* X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	5					
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN	80% FED 10% STATE 5% LOMBARD 5% GLEN ELLYN TS 0021 URBAN	80% FED 20% STATE INTERCONNECT 0021 URBAN	100% LOMBARD EVP 0021 URBAN	80% FED 20% STATE NEW SHOULDERS 0005 URBAN
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	1		1				
	2								

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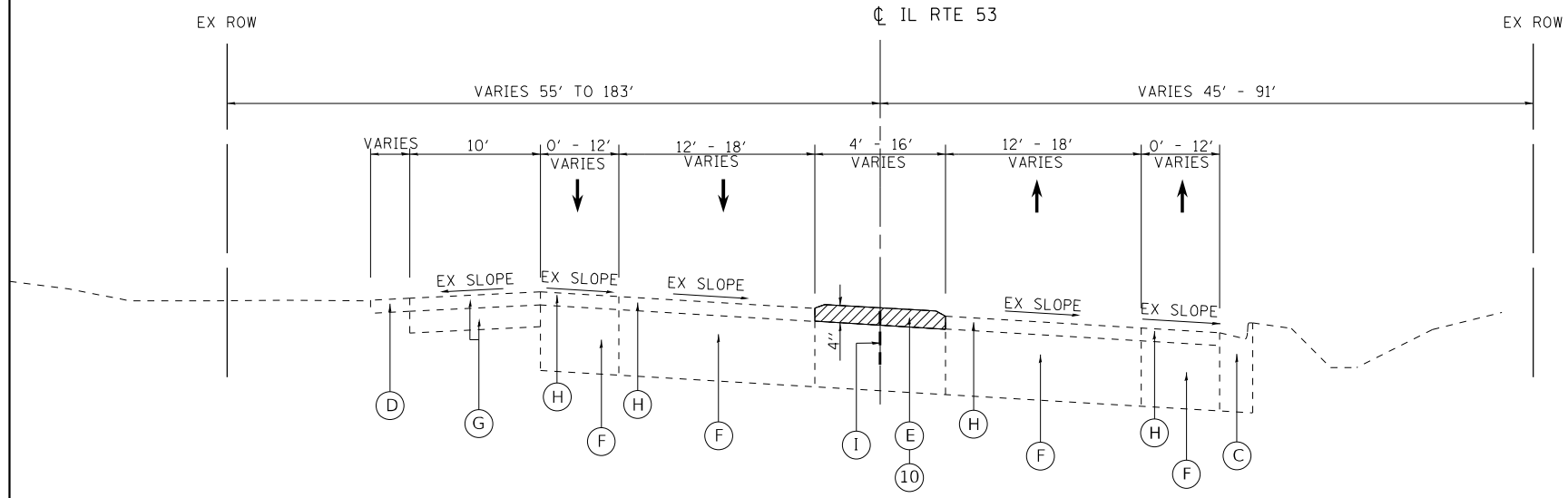
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

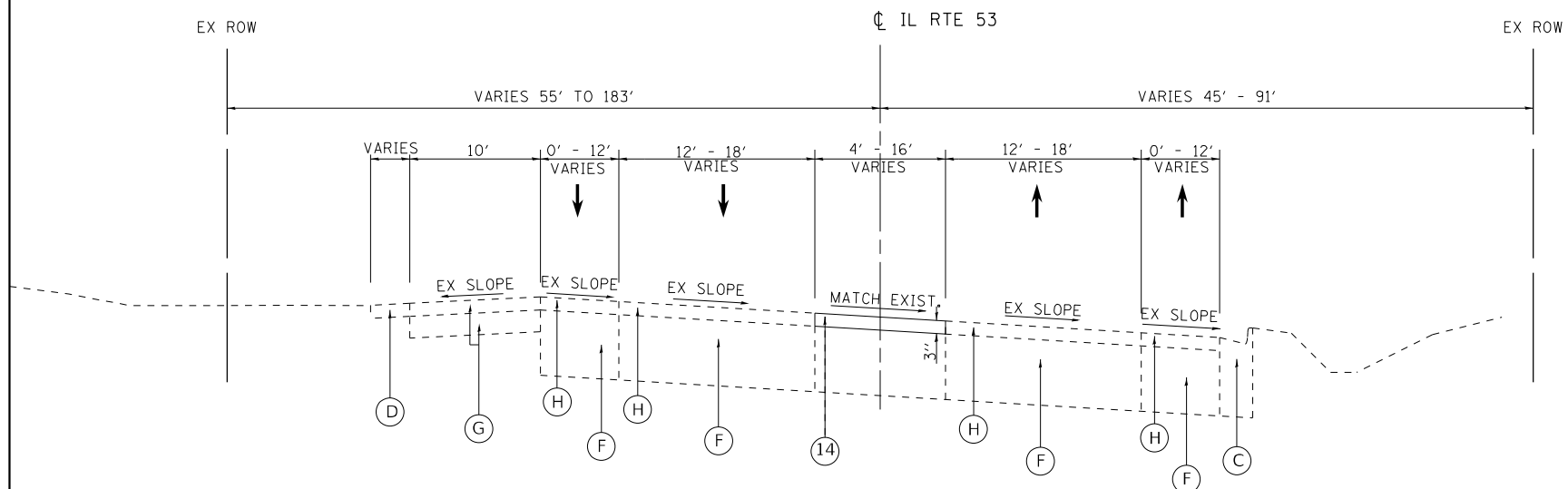
**SUMMARY OF QUANTITIES
IL 53 (AT PARKVIEW BOULVERAD /SURREY DRIVE)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B70	2016-048T5	DUPAGE	75	9
CONTRACT NO. 60T22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA 110+08 TO STA 112+51



PROPOSED TYPICAL SECTION
STA 110+08 TO STA 112+51

LEGEND - EXISTING

- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- (4) HOT-MIX ASPHALT SHOULDERS, 8"
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) SUBBASE GRANULAR MATERIAL, TYPE C
- (7) AGGREGATE SHOULDERS, TYPE B
- (8) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- (9) PAVEMENT REMOVAL
- (10) MEDIAN REMOVAL PARTIAL DEPTH
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"
- (14) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3" (IN 2 LIFTS)
- (15) NO. 6 X 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, OF THE TYPE SPECIFIED)
- (16) SOD RESTORATION (PAID AS TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT)
- (17) AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"

CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL

NOTES:

- (1) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
- (2) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE, IL-4.75, N50 THROUGH RESURFACING LIMITS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70: 1.75"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 0.75"	3.5% @ 50 GYR.	QC/QA
HMA SHOULDERS, 8"		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70: 1.75"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 6.25"	4% @ 70 GYR.	QC/QA
MEDIAN IMPROVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70: 3" (IN 2 LIFTS)	4% @ 70 GYR.	QC/QA
PAVEMENT WIDENING *		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70: 1.75"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 0.75"	3.5% @ 50 GYR.	QC/QA
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0): 9"	4% @ 70 GYR.	QC/QA
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0): 9.75"	4% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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 RECLAIMED MATERIALS SPECIFICATIONS

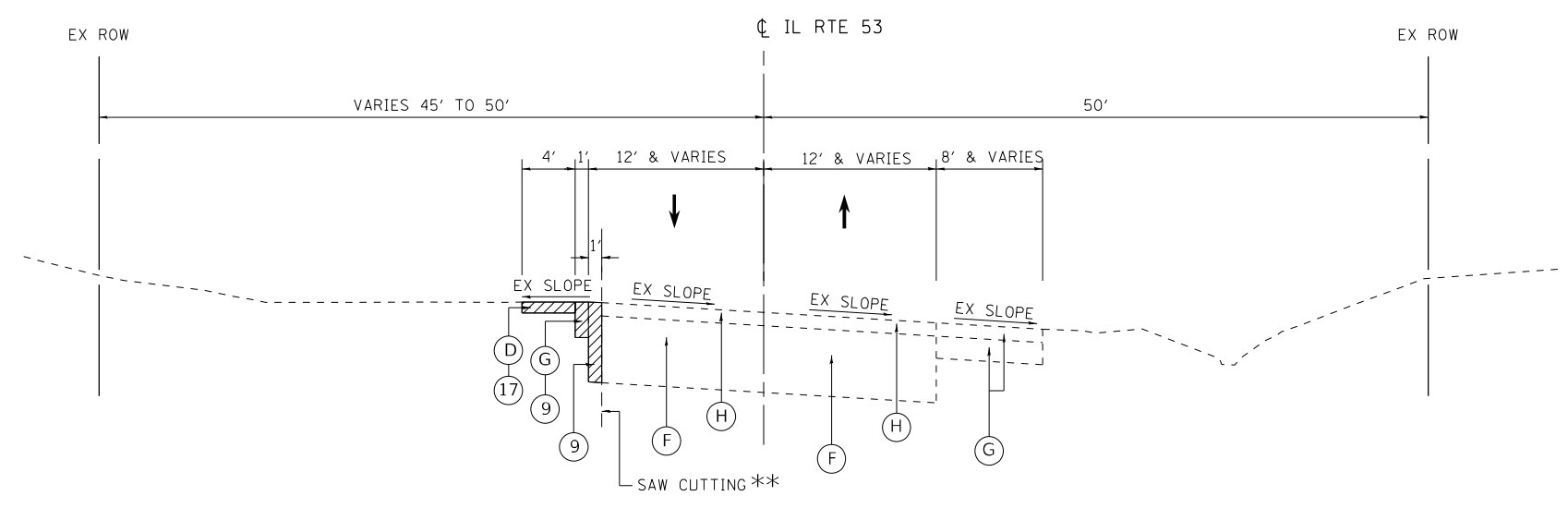
* WIDENING LOCATIONS OUTSIDE RESURFACING LIMITS WILL NOT HAVE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 PLACED OVER IT

FILE NAME =	USER NAME = oye.elkhetb	DESIGNED -	REVISED -
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Default	PLOT DATE = 9/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	10
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION
STA 115+16 TO STA 118+37

LEGEND - EXISTING

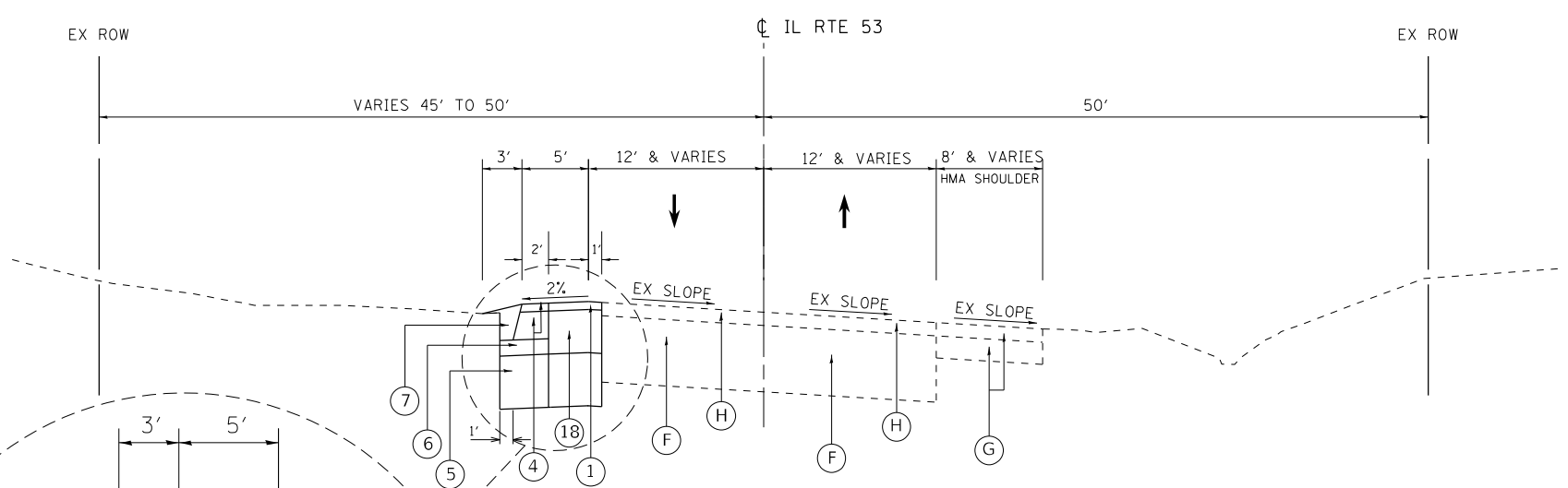
- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

LEGEND - PROPOSED

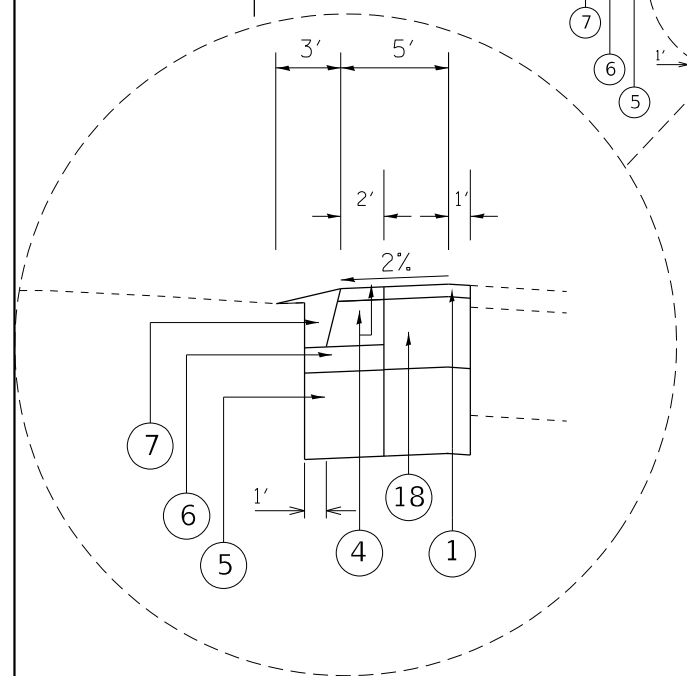
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- (4) HOT-MIX ASPHALT SHOULDERS, 8"
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) SUBBASE GRANULAR MATERIAL, TYPE C
- (7) AGGREGATE SHOULDERS, TYPE B
- (8) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- (9) PAVEMENT REMOVAL
- (10) MEDIAN REMOVAL PARTIAL DEPTH
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"
- (14) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3" (IN 2 LIFTS)
- (15) NO. 6 X 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, OF THE TYPE SPECIFIED)
- (16) SOD RESTORATION (PAID AS TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT)
- (17) AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"

CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

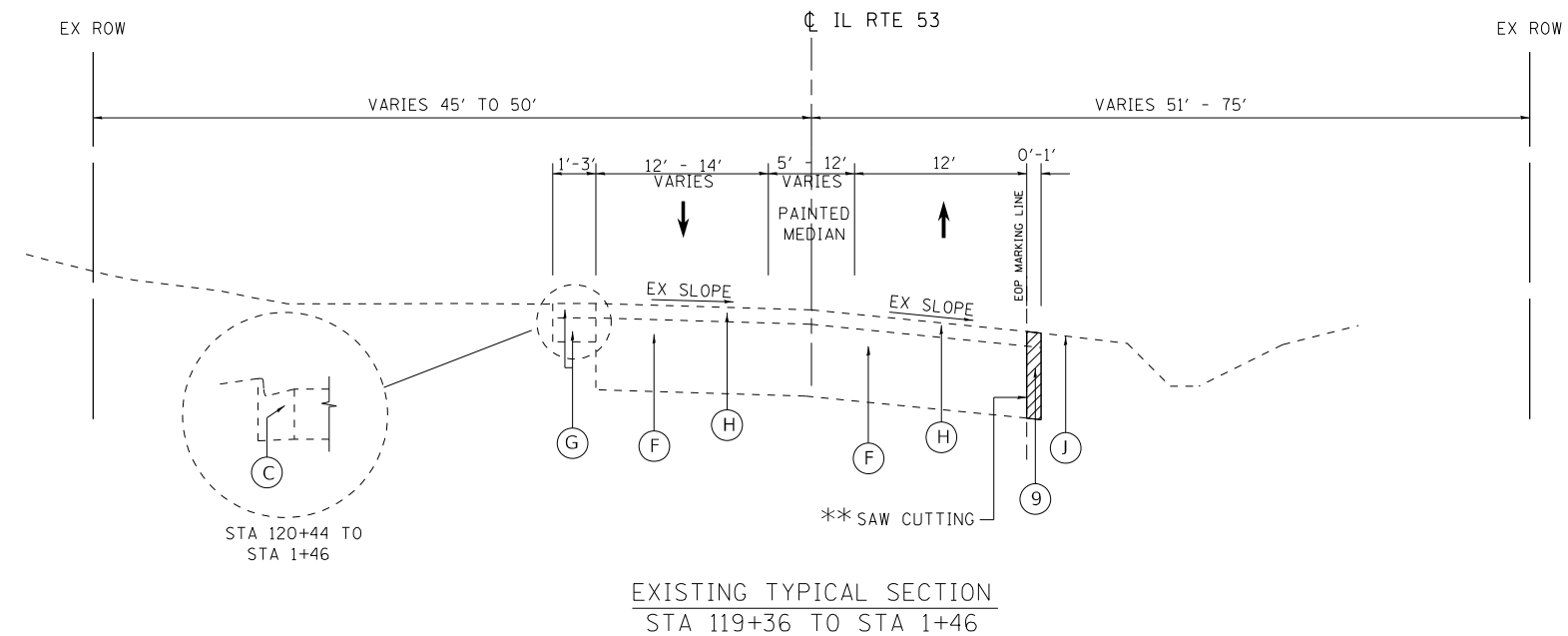
** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL



PROPOSED TYPICAL SECTION
STA 115+16 TO STA 118+37



FILE NAME =	USER NAME = oye.elkhetib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -					CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 9/27/2024											



LEGEND - EXISTING

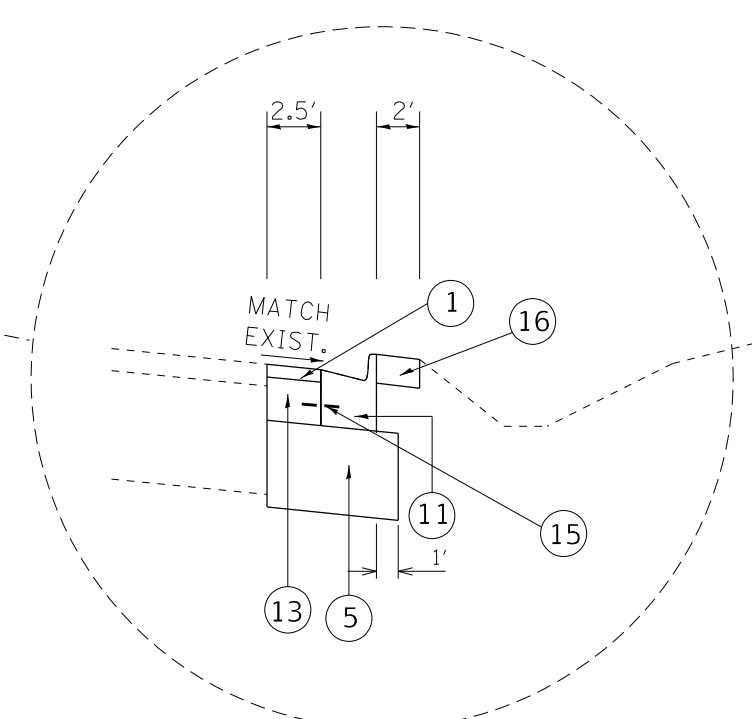
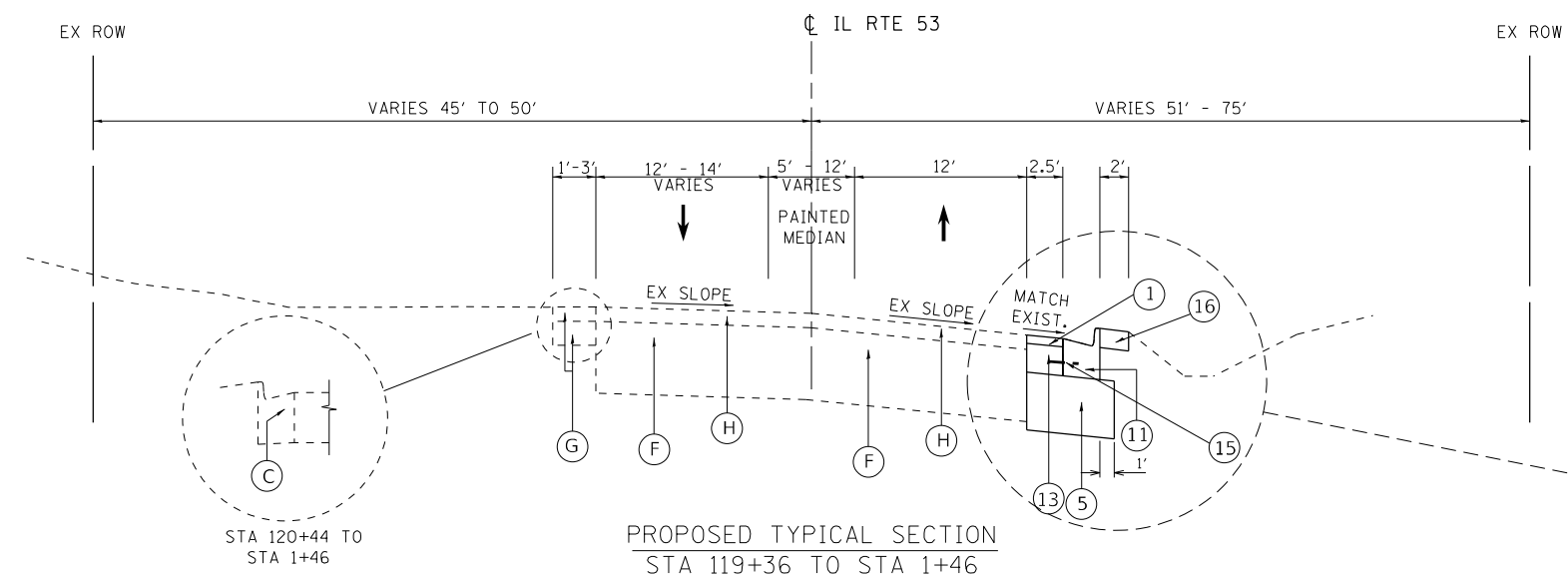
- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL

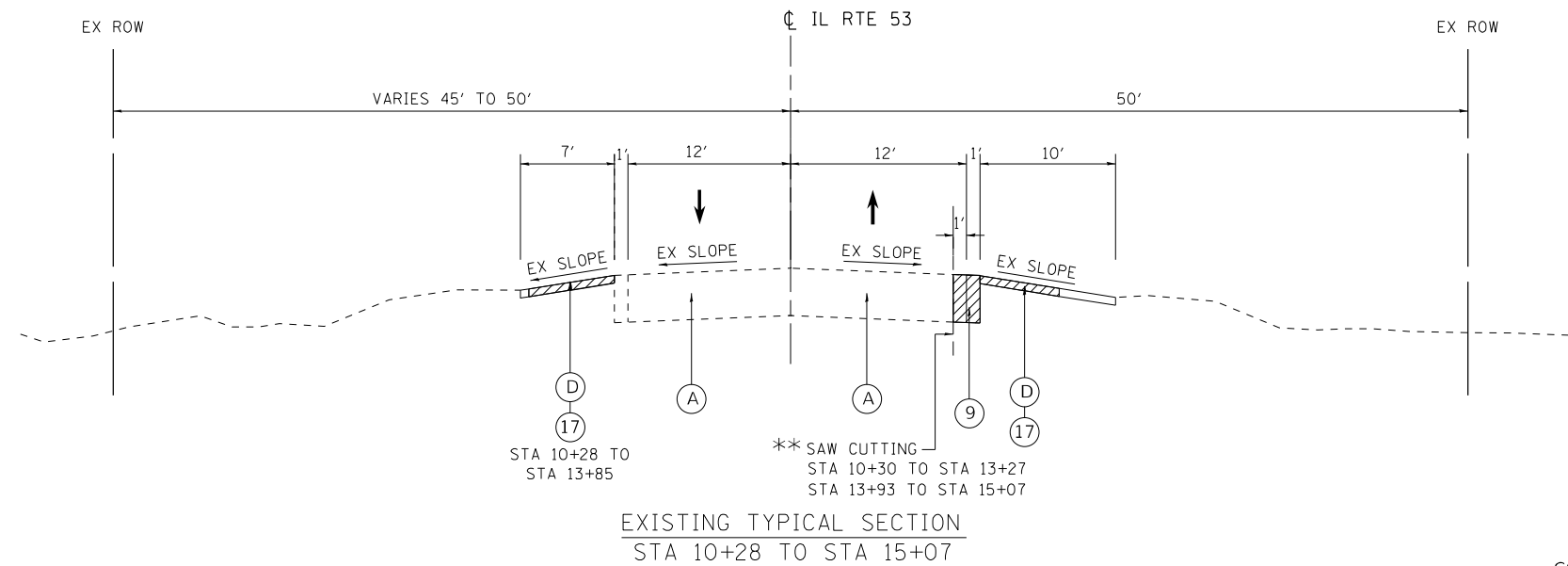
LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- (4) HOT-MIX ASPHALT SHOULDERS, 8"
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) SUBBASE GRANULAR MATERIAL, TYPE C
- (7) AGGREGATE SHOULDERS, TYPE B
- (8) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- (9) PAVEMENT REMOVAL
- (10) MEDIAN REMOVAL PARTIAL DEPTH
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"
- (14) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3" (IN 2 LIFTS)
- (15) NO. 6 X 2' LONG DEFORMED TIE BARS, GROUDED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, OF THE TYPE SPECIFIED)
- (16) SOD RESTORATION (PAID AS TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT)
- (17) AGGREGATE SHOULDER REMOVAL (PAID AS EARTH EXCAVATION)
- (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"



FILE NAME =	USER NAME = oye.elkhetib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\P145209\CD\Drawings\P145209-sh-typical.dgn	DESIGNED -	REVISED -	870			2016-048T5	DUPAGE	75	12	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 60T22							
Default	PLOT DATE = 9/27/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.



LEGEND - EXISTING

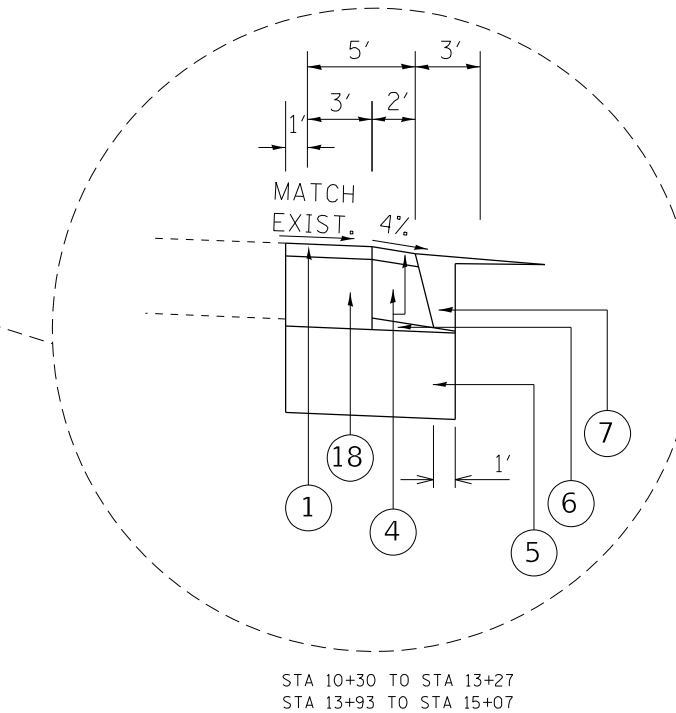
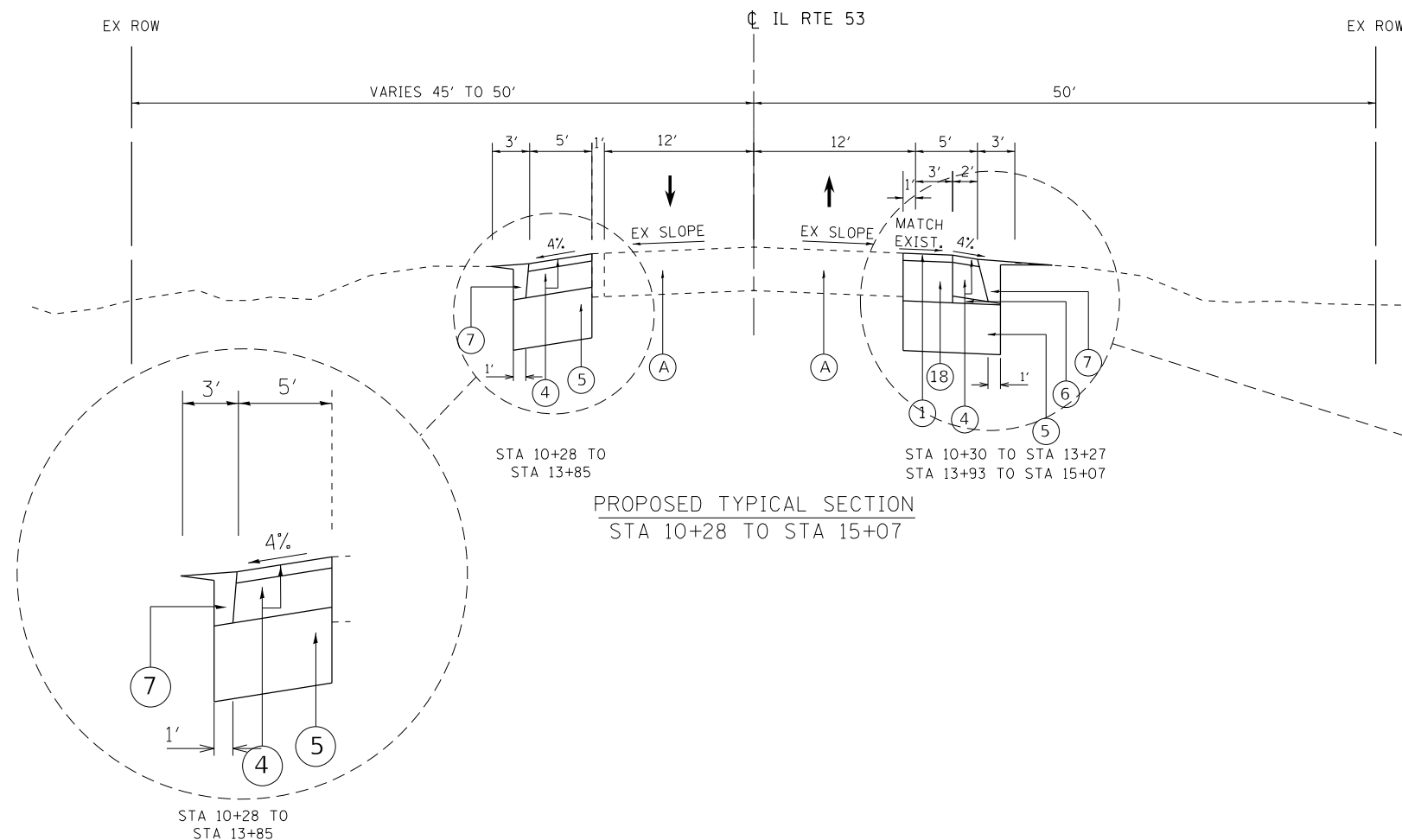
- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
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- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
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- (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"

CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL

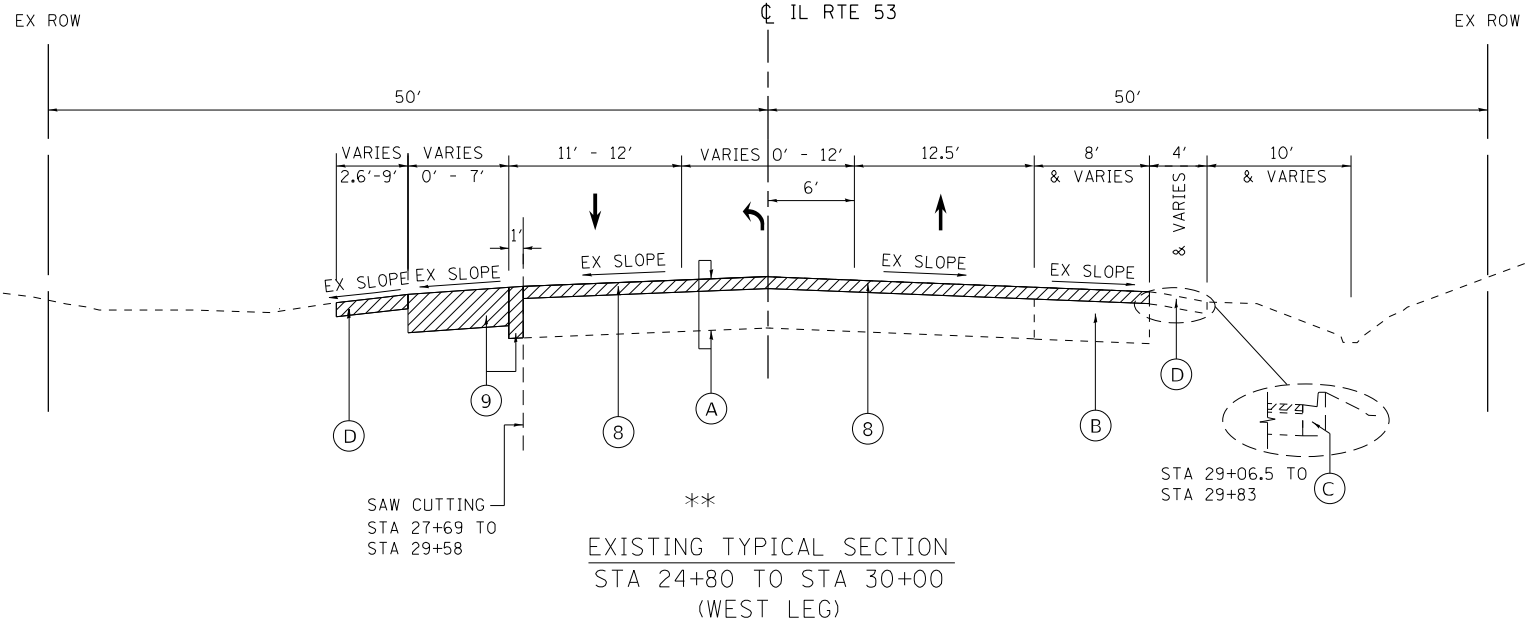


FILE NAME =	USER NAME = oye.elkhetib	DESIGNED -	REVISED -
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Default	PLOT DATE = 9/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET 4	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T22	



EXISTING TYPICAL SECTION
STA 24+80 TO STA 30+00
(WEST LEG)

LEGEND - EXISTING

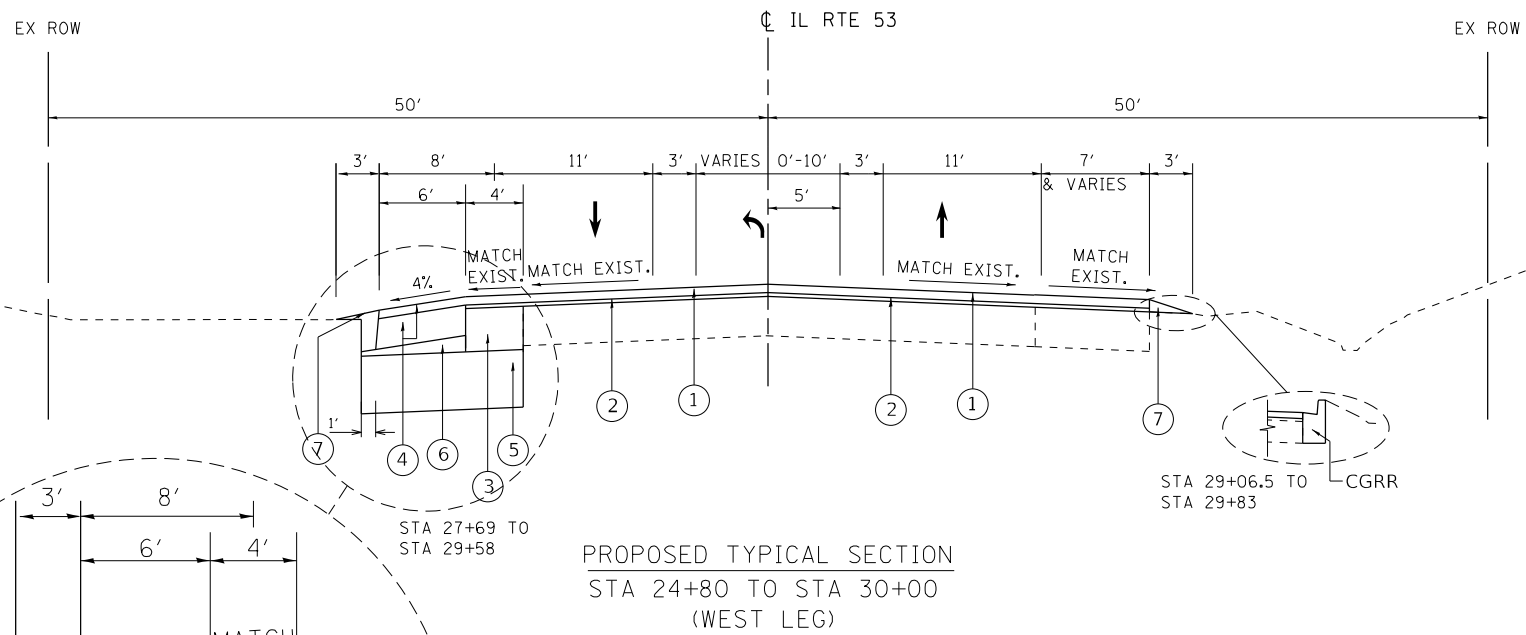
- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

LEGEND - PROPOSED

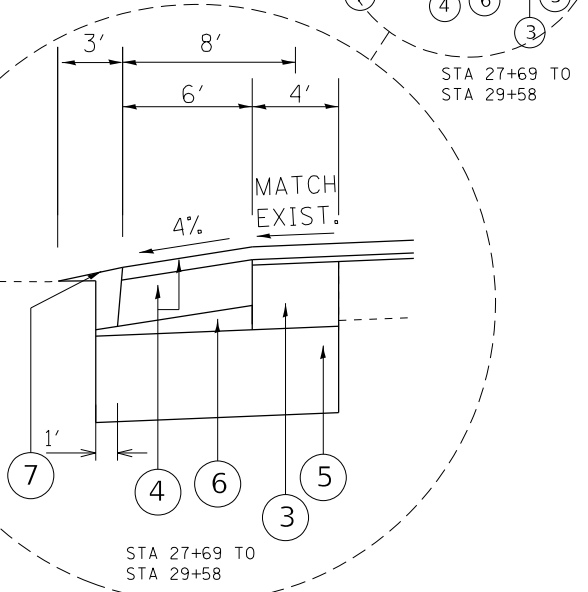
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
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- (6) SUBBASE GRANULAR MATERIAL, TYPE C
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CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL



PROPOSED TYPICAL SECTION
STA 24+80 TO STA 30+00
(WEST LEG)

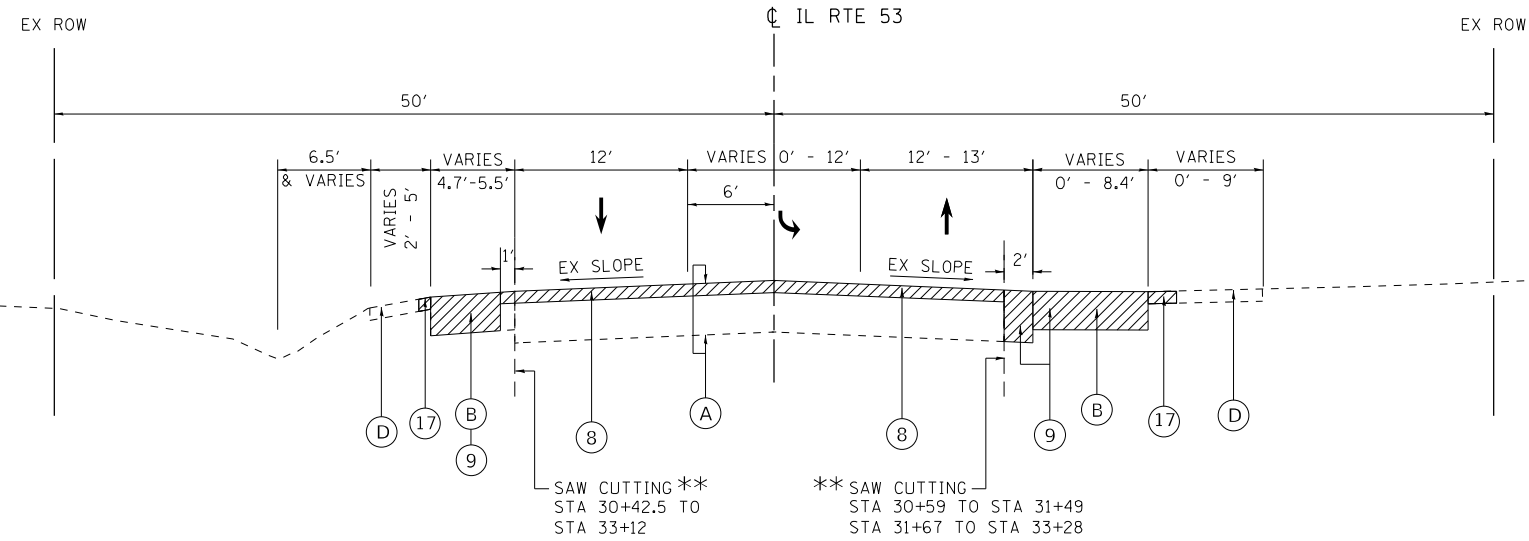


FILE NAME =	USER NAME = oye.elkhetib	DESIGNED -	REVISED -
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Default	PLOT DATE = 9/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)	
SCALE:	SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	14
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION
STA 30+00 TO STA 33+64
(EAST LEG)

LEGEND - EXISTING

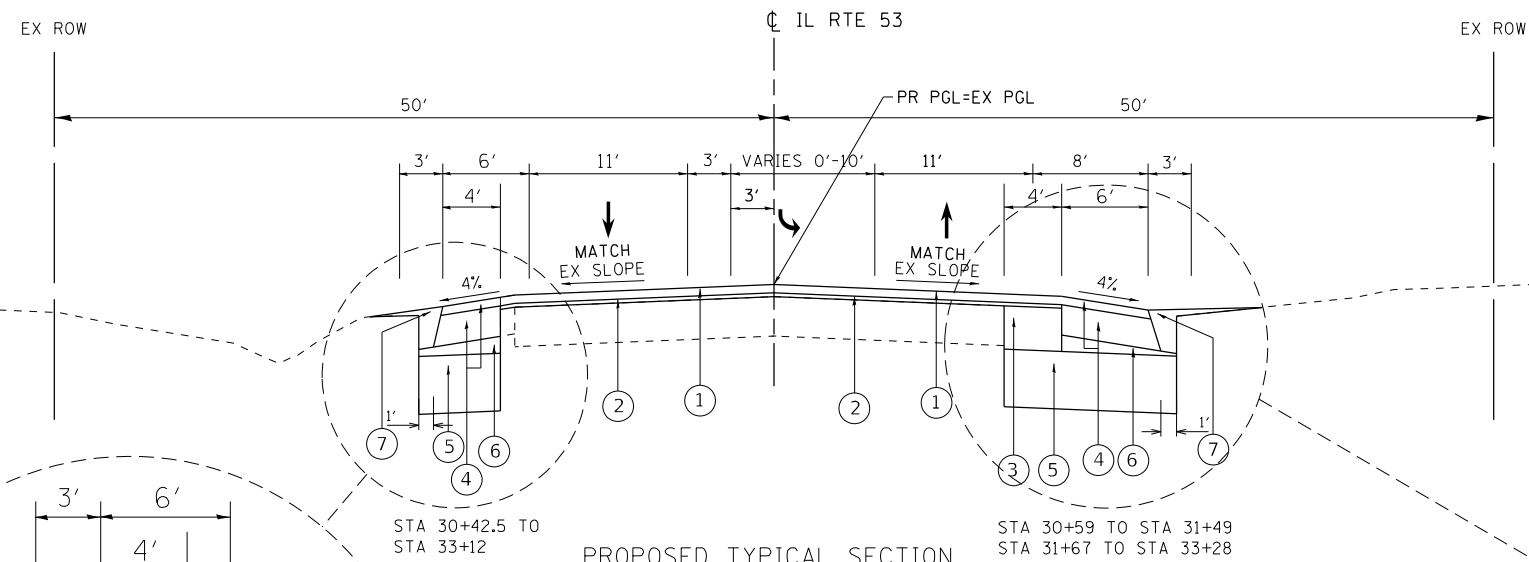
- (A) HMA PAVEMENT ±10.5"
- (B) HMA SHOULDERS ±10.5"
- (C) COMB. CONC. CURB & GUTTER
- (D) AGGREGATE SHOULDER
- (E) CORRUGATED MEDIAN
- (F) PCC PAVEMENT 15"
- (G) HMA SHOULDERS
- (H) HMA PAVEMENT 3"
- (I) 5/8" EXPANSION TIE ANCHORS - INSTALLED ALONG THE CENTERLINE OF THE EXISTING CORRUGATED MEDIAN AT 30" C-C EACH WAY
- (J) EXISTING SOD

LEGEND - PROPOSED

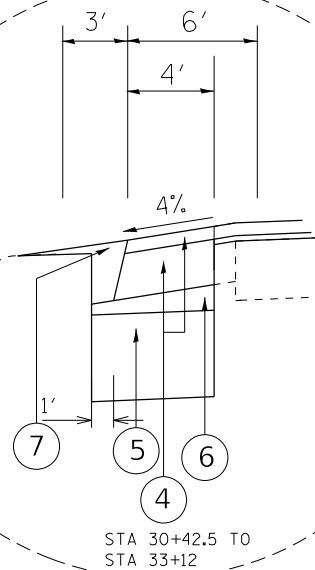
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
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- (6) SUBBASE GRANULAR MATERIAL, TYPE C
- (7) AGGREGATE SHOULDERS, TYPE B
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CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL

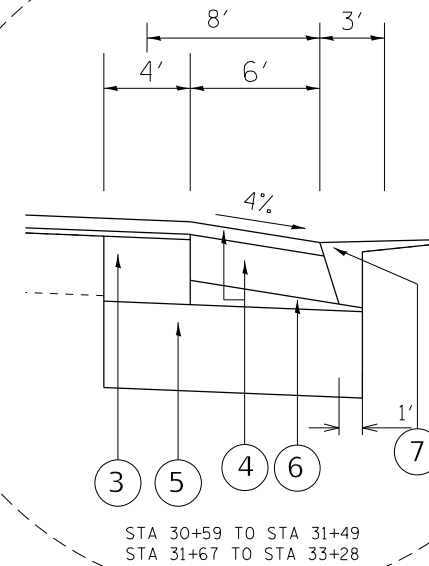


PROPOSED TYPICAL SECTION
STA 30+00 TO STA 33+64
(EAST LEG)



STA 30+42.5 TO
STA 33+12

STA 30+59 TO STA 31+49
STA 31+67 TO STA 33+28



STA 30+59 TO STA 31+49
STA 31+67 TO STA 33+28

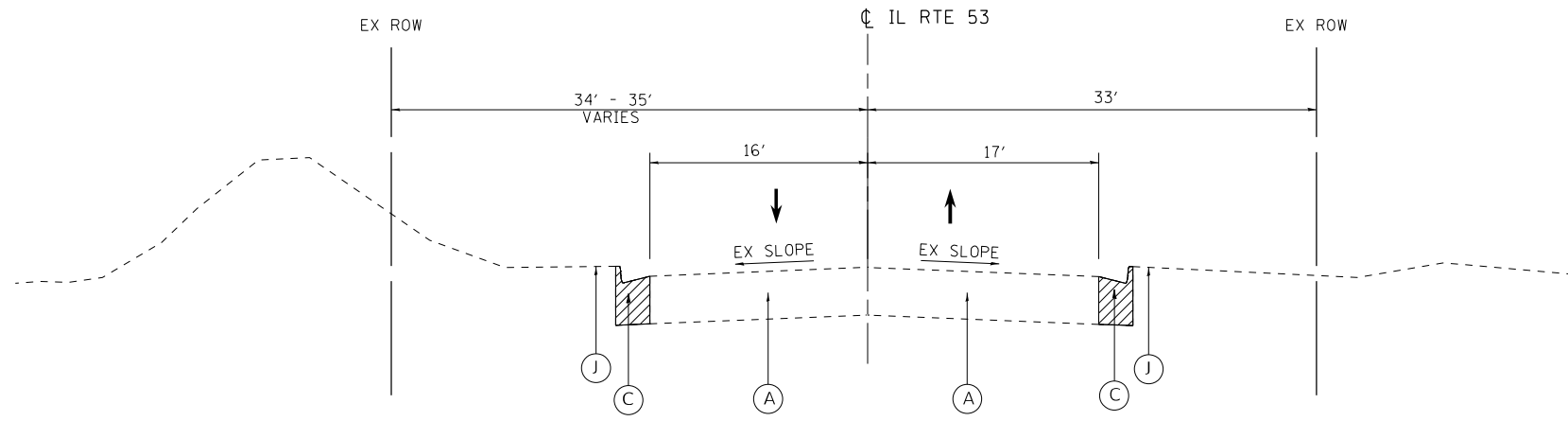
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Default	PLOT DATE = 9/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	15
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION
STA 70+18 TO STA 71+16
(NORTH LEG - PARKVIEW BLVD)

LEGEND - EXISTING

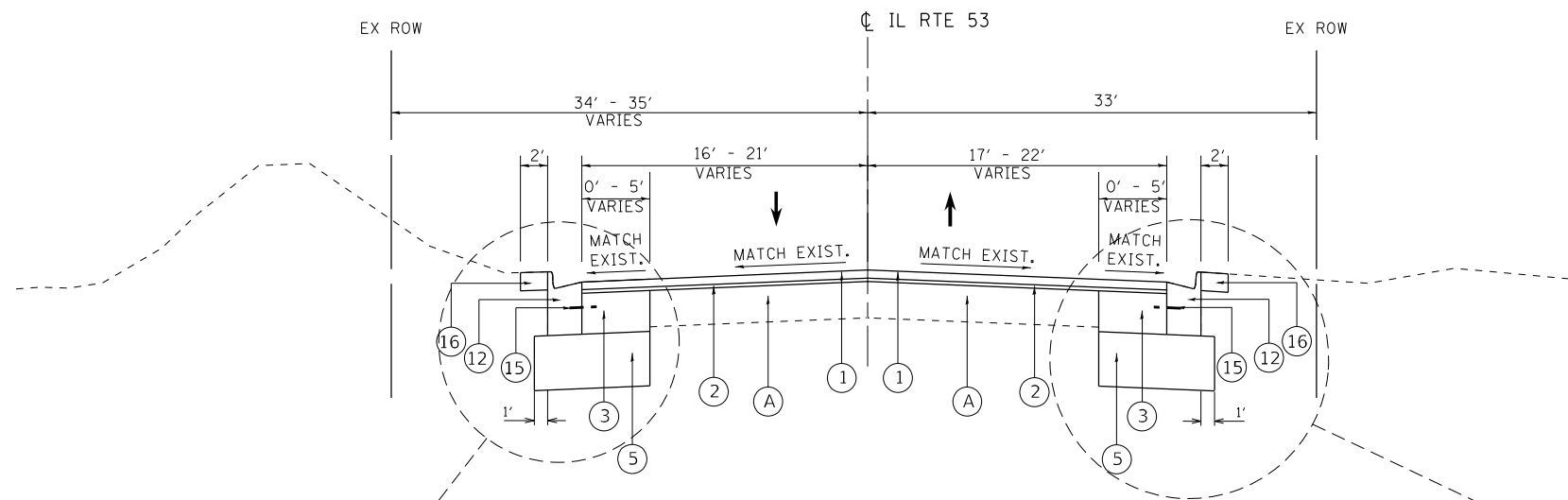
- (A) HMA PAVEMENT ±10.5"
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- (J) EXISTING SOD

LEGEND - PROPOSED

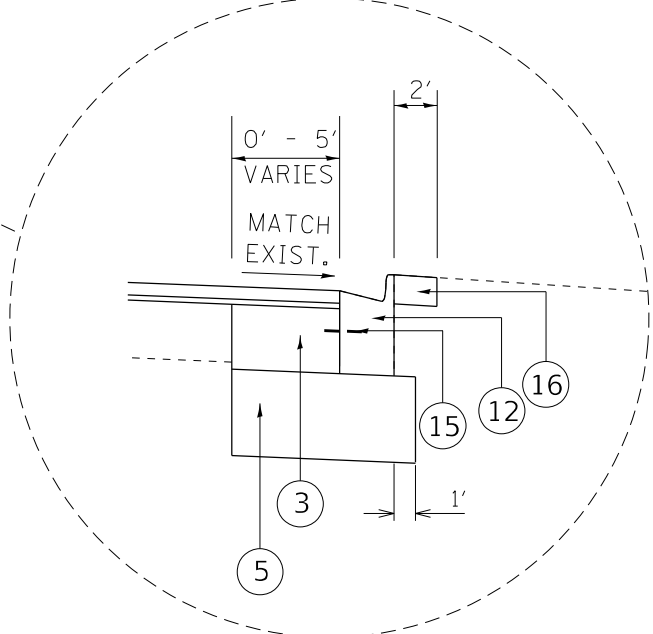
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
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CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

** SAW CUTTING IS INCLUDED IN THE COST OF PAVEMENT REMOVAL



PROPOSED TYPICAL SECTION
STA 70+18 TO STA 71+16
(NORTH LEG - PARKVIEW BLVD)



21400100 - GRADING AND SHAPING DITCHES

LOCATION (APPROX.)	RT/LT	LENGTH (FT)	WIDTH (FT)	DEPTH (INCHES)	VOLUME (CU YD)
24+96	LT		4	6	0
25+49	LT	55	4	6	4
26+11	LT	62	4	6	5
26+27	LT	17	4	6	1
27+72	LT	145	4	6	11
27+87	LT	16	4	6	1
29+20	LT	133	4	6	10
30+42	LT		4	6	0
30+64	LT	23	4	6	2
30+99	LT	35	4	6	3
31+61	LT	61	4	6	5
32+14	LT	53	4	6	4
32+36	LT		4	6	0
32+44	LT	8	4	6	1
32+99	LT	55	4	6	4
33+13	LT	14	4	6	1
25+30	RT		4	6	0
25+79	RT	50	4	6	4
29+56	RT	376	4	6	28
31+73	RT		4	6	0
32+17	RT	44	4	6	3
32+66	RT	49	4	6	4
33+01	RT	35	4	6	3
33+26	RT	25	4	6	2
33+40	RT	14	4	6	1
TOTAL LENGTH:		1270	FOOT	TOTAL VOLUME:	94 CU YD

MODEL: Default
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USER NAME = aya.elkhatib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	17
			CONTRACT NO. 60T22	
		ILLINOIS	FED. AID PROJECT	



EXIST. CURVE IL53_E_12
 PI STA. = 116+46.27
 $\Delta = 30^\circ 00' 05''$ (RT)
 D = 6° 08' 28"
 R = 933.00'
 T = 250.01'
 L = 488.54'
 E = 32.92'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 113+96.26
 P.T. STA. = 118+84.80

EXIST. CURVE IL53_E_13
 PI STA. = 119+05.83
 $\Delta = 1^\circ 12' 17''$ (RT)
 D = 2° 51' 53"
 R = 2,000.00'
 T = 21.03'
 L = 42.06'
 E = 0.11'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 118+84.80
 P.T. STA. = 119+26.86

EXIST. CURVE IL53_E_141
 PI STA. = 119+96.26
 $\Delta = 11^\circ 19' 24''$ (RT)
 D = 8° 11' 06"
 R = 700.00'
 T = 69.40'
 L = 138.34'
 E = 3.43'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 119+26.86
 P.T. STA. = 120+65.20

EXIST. CURVE IL53_E_142
 PI STA. = 0+68.98
 $\Delta = 0^\circ 00' 01''$ (RT)
 D = 8° 11' 06"
 R = 700.00'
 T = 0.00'
 L = 0.00'
 E = 0.00'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 0+68.98
 P.T. STA. = 0+68.98

EXIST. CURVE E_PARK1
 PI STA. = 72+65.82
 $\Delta = 18^\circ 10' 09''$ (RT)
 D = 9° 05' 40"
 R = 630.00'
 T = 100.74'
 L = 199.78'
 E = 8.00'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 71+65.09
 P.T. STA. = 73+64.87

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USER NAME = aya.elkhatib	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 200,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS	
IL. ROUTE 53 AT PARKVIEW BOULEVARD /SURREY DRIVE	
SCALE: 1"= 100'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	18
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	

MATCHLINE STA. 57+00



POT Sta 62+07.53

160+00

IL. ROUTE 53

MATCHLINE STA. 57+00

Pt Sta 51+61.24

155+00

150+00



IL. ROUTE 53

145+00

EXIST. CURVE IL53_E_33
 PI STA. = 45+08.33
 $\Delta = 88^\circ 47' 29''$ (LT)
 $D = 5^\circ 00' 25''$
 $R = 1,144.30'$
 $T = 1,120.41'$
 $L = 1,773.33'$
 $E = 457.18'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 33+87.91$
 $P.T. STA. = 51+61.24$

106

PI Sta 45+08.33

MATCHLINE STA. 38+00

ROUTE	POINT	NORTHING	EASTING	STATION
PARKVIEW BOULEVARD	P.O.T. 203	1893701.2889	1064526.8097	70+00.00
	P.C.	1893866.3691	1064528.1682	71+65.09
	P.I. 204	1893967.1009	1064528.9971	72+65.82
	P.T.	1894062.5518	1064561.1951	73+64.87
	P.O.T. 200	1894252.8785	1064625.3971	75+65.73

ROUTE	POINT	NORTHING	EASTING	STATION
SURREY DRIVE	P.O.T. 301	1893180.6134	1064523.5696	4+79.35
	P.O.T. 300	1893701.2410	1064528.5595	10+00.00

ROUTE	POINT	NORTHING	EASTING	STATION
IL. ROUTE 53	POT 80	1892013.4540	1060699.6870	99+29.81
	POT 81	1892083.6449	1060698.7293	100+00.00
	PI	1892250.9056	1060693.3394	101+67.35
	PI	1892460.1025	1060686.0275	103+76.67
	PI	1892561.5095	1060681.4892	104+78.18
	PC	1892638.0669	1060679.9851	105+54.75
	PI	1893072.4925	1060671.4501	109+89.26
	PT	1893375.3986	1060982.9727	113+74.64
	PC	1893390.4753	1060998.4783	113+96.26
	PI	1893564.7619	1061177.7227	116+46.27
	PCC	1893626.0705	1061420.0976	118+84.80
	PI	1893631.2273	1061440.4845	119+05.83
	PCC	1893635.9544	1061460.9753	119+26.86
	STATION EQ	STA. 120+65.20 BK = STA. 0+68.98 AH		
	PT	1893653.5725	1061597.9616	0+68.98
	PI	1893653.5725	1061597.9625	0+68.98
	PCC	1893653.5726	1061597.9635	0+68.98
	PI	1893654.2833	1061622.3874	0+93.42
	PI	1893661.8754	1062177.2182	6+48.30
	PI	1893670.4788	1062486.7009	9+57.90
PI	1893673.0730	1062631.4309	11+02.65	
POT 100	1893677.4075	1062912.7250	13+83.98	
PI 101	1893685.5067	1063623.8954	20+95.20	
PI 102	1893688.1147	1063782.9121	22+54.24	
PI 300	1893701.2410	1064528.5595	30+00.00	
PC	1893708.0687	1064916.4133	33+87.91	
PI 106	1893727.7893	1066036.6538	45+08.33	
PT	1894848.1965	1066040.5653	51+61.24	
POT 105	1895894.4786	1066044.2181	62+07.53	

BENCHMARK

ELEV. = 773.63
 - CUT IN S.E. CORNER OF CONC BASE OF T.C.B. IN THE N.W. CORNER OF IL53 & DUPAGE

BENCHMARK

ELEV. = 706.82
 - CUT IN N.W. CORNER OF CONC BASE OF H.H. IN THE S.E. CORNER OF IL53 & SPRING

BENCHMARK

ELEV. = 686.49
 SPIKE IN P. POLE S. SIDE IL53 ±900' E. OF SPRING

BENCHMARK # 1

ELEV. = 693.53
 - CUT IN SOUTH SIDE OF CONC. BASE OF LIGHT POLE ON THE WEST SIDE OF PARKVIEW BOULEVARD OPPOSIT OF WILSON AVENUE.

BENCHMARK # 2

ELEV. 690.89
 - CUT IN NORTH BOLT OF FIRE HYDRANT IN THE SOUTHWEST CORNER OF IL 53 @ SURREY DRIVE

BENCHMARK # 3

ELEV. = 692.68
 - CUT IN SOUTHEAST CORNER OF BRIDGE OVER CREEK ON IL 53 ±800' WEST OF PARKVIEW BOULEVARD. (N.E. CORNER OF WINGWALL)

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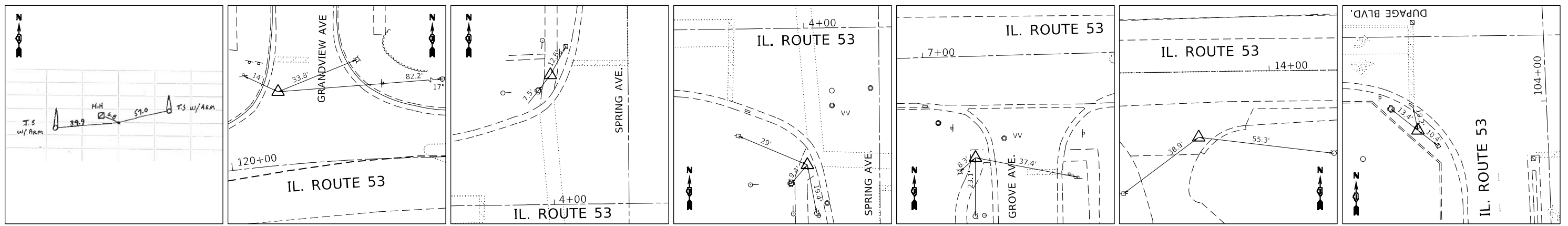
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
 IL. ROUTE 53 AT PARKVIEW BOULEVARD /SURREY DRIVE**

SCALE: 1"= 100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T22	



POT 81

MAG NAIL \bar{C} IL53 S. OF DUPAGE
 STA. 100+00.00
 N= 1892083.6449
 E= 1060698.7293
 ELEV.=

CONTROL POINT 01

MAG NAIL IN RETURN GRANDVIEW
 STA. 120+20.80
 N= 1893709.8120
 E= 1061550.9690
 ELEV.= 727.78

CONTROL POINT 02

MAG NAIL IN S/W N.W. CORNER SPRING
 STA. 3+99.21
 N= 1893709.7160
 E= 1061927.4520
 ELEV.= 706.79

CONTROL POINT 03

MAG NAIL IN S/W S.W. CORNER SPRING
 STA. 4+00.68
 N= 1893604.3680
 E= 1061930.3630
 ELEV.= 708.32

CONTROL POINT 04

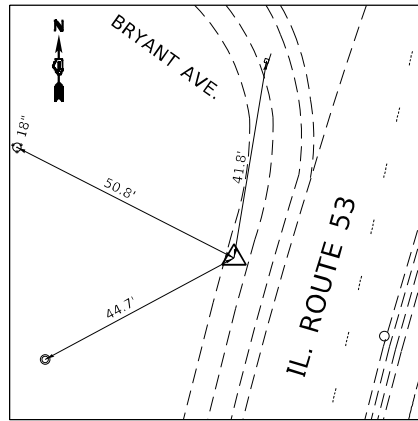
MAG NAIL IN S/W S.W. CORNER GROVE
 STA. 7+19.90
 N= 1893623.6940
 E= 1062249.9120
 ELEV.= 693.84

CONTROL POINT 05

MAG NAIL IN FIELD ENT
 STA. 13+71.70
 N= 1893651.2680
 E= 1062900.8450
 ELEV.= 687.08

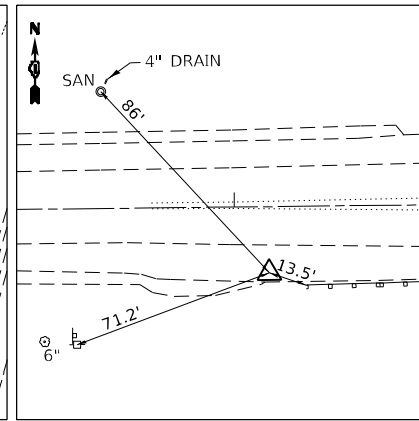
CONTROL POINT 07

MAG NAIL IN S/W W. SIDE IL53
 STA. 103+90.61
 N= 1892471.7310
 E= 1060634.0870
 ELEV.= 771.91



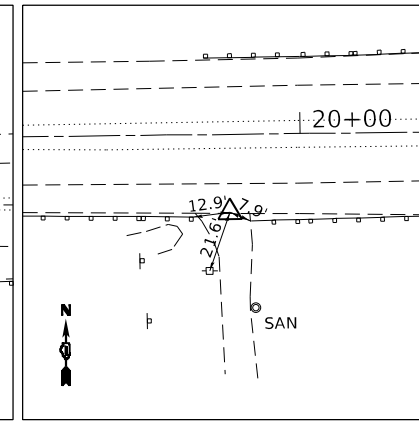
CONTROL POINT 08

"X" IN S. CORNER BASE OF H.H. IN
 S.W. CORNER DUPAGE
 STA. 108+46.56
 N= 1892938.2990
 E= 1060674.3700
 ELEV.= 761.42



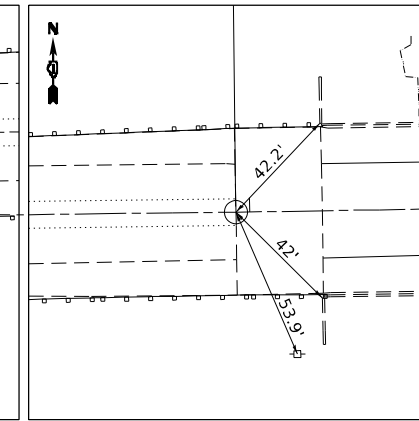
CONTROL POINT 1

MAG NAIL IN SOUTH
 SHOULDER OF IL. 53
 STA. 17+11.85
 N= 1893658.1120
 E= 1063240.8324
 ELEV.= 687.255



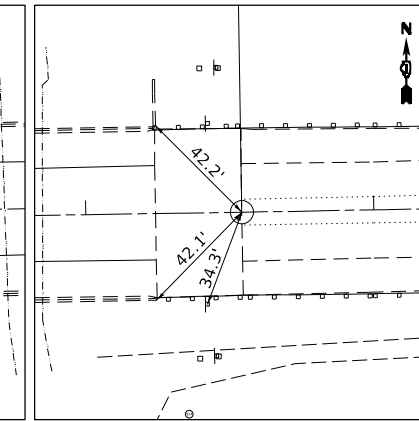
CONTROL POINT 2

MAG NAIL IN SOUTH SHOULDER
 OF IL 53 @ FIELD ENTRANC
 STA. 19+75.33
 N= 1893658.1120
 E= 1063504.3425
 ELEV.= 689.96



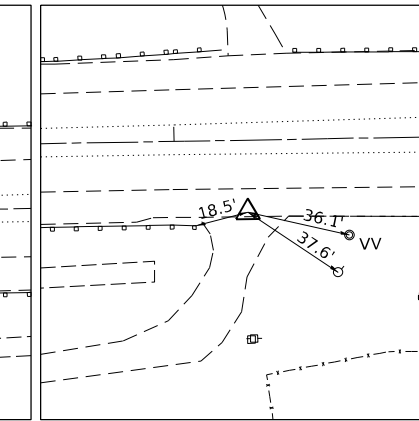
POINT 101

MAG NAIL IN \bar{C} IL. 53 @ WEST APPROACH
 PANEL OF BRIDGE OVER CREEK $\pm 90'$
 WEST OF PARKVIEW BOULEVARD
 STA. 20+95.20
 N= 1893685.5067
 E= 1063623.8954
 ELEV.= 691.90



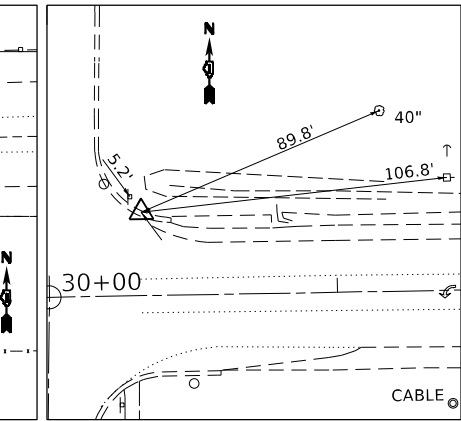
POINT 102

MAG NAIL IN \bar{C} IL. 53 @ EAST APPROACH
 PANEL OF BRIDGE OVER CREEK $\pm 75'$
 WEST OF PARKVIEW BOULEVARD
 STA. 22+54.24
 N= 1893688.1147
 E= 1063782.9121
 ELEV.= 691.84



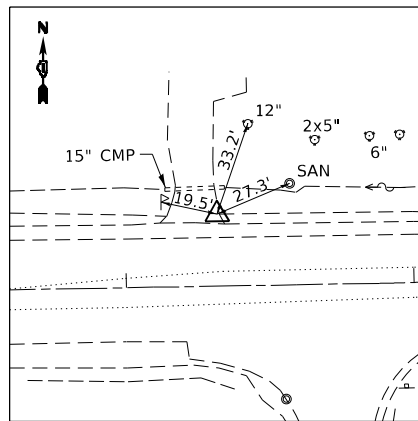
CONTROL POINT 3

MAG NAIL IN SOUTH SHOULDER OF
 IL 53 @ FIELD ENT EAST OF BRIDGE
 STA. 24+25.17
 N= 1893666.0937
 E= 1063954.2609
 ELEV.= 690.02



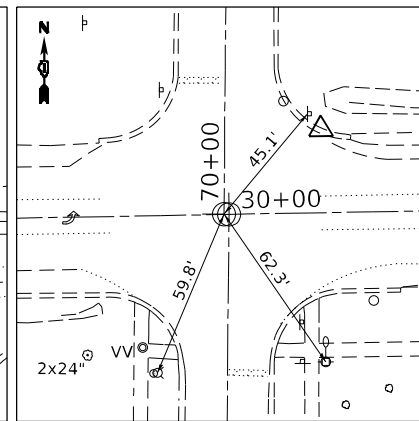
CONTROL POINT 4

MAG NAIL IN TOP OF CURB IN NORTHEAST
 CORNER OF IL 53 @ PARKVIEW BOULEVARD
 STA. 30+32.40
 N= 1893730.8112
 E= 1064560.4461
 ELEV.= 689.80



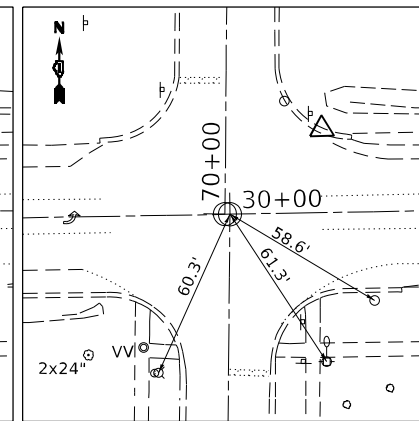
CONTROL POINT 5

MAG NAIL IN PRIVATE ENTRANCE
 NORTH SIDE OF IL 53
 STA. 33+32.00
 N= 1893732.0692
 E= 1064860.0635
 ELEV.= 691.93



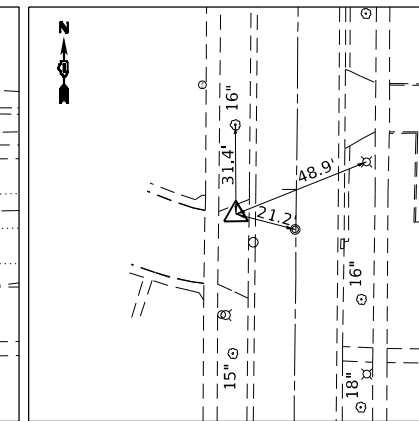
POINT 203

P.O.T. MAGNAIL IN \bar{C} - \bar{C} OF IL 53
 @ PARKVIEW BOULEVARD
 STA. 29+98.25
 N= 1893701.2889
 E= 1064526.8097
 ELEV.= 690.04



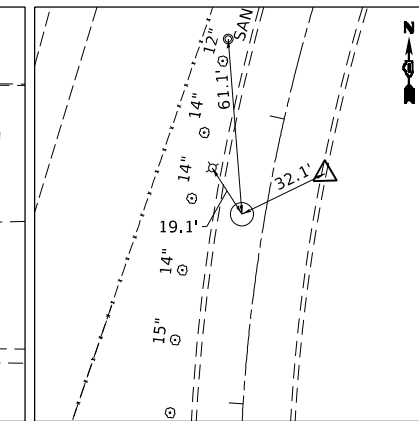
POINT 300

MAG NAIL IN \bar{C} - \bar{C} OF IL 53 @
 SURREY DRIVE FOR IL 53 @
 SURREY DRIVE ALIGNMENT
 STA. 30+00.00
 N= 1893701.2410
 E= 1064528.5595
 ELEV.= 690.05



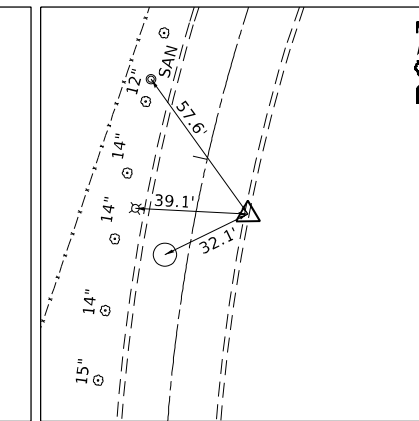
CONTROL POINT 7

"X" CUT IN CONC. ENTRANCE ON THE
 WEST SIDE OF SURREY DRIVE
 STA. 6+91.20
 N= 1893392.6522
 E= 1064504.6716
 ELEV.= 687.96



POINT 204

P.I. MAG NAIL IN SOUTH BOUND
 LANE OF PARKVIEW DRIVE
 STA. 72+64.98
 N= 1893967.1009
 E= 1064528.9971
 ELEV.= 693.95



CONTROL POINT 6

"X" IN TOP OF CURB ON EAST
 SIDE OF PARKVIEW DRIVE
 STA. 72+84.15
 N= 1893981.1365
 E= 1064557.8262
 ELEV.= 694.10

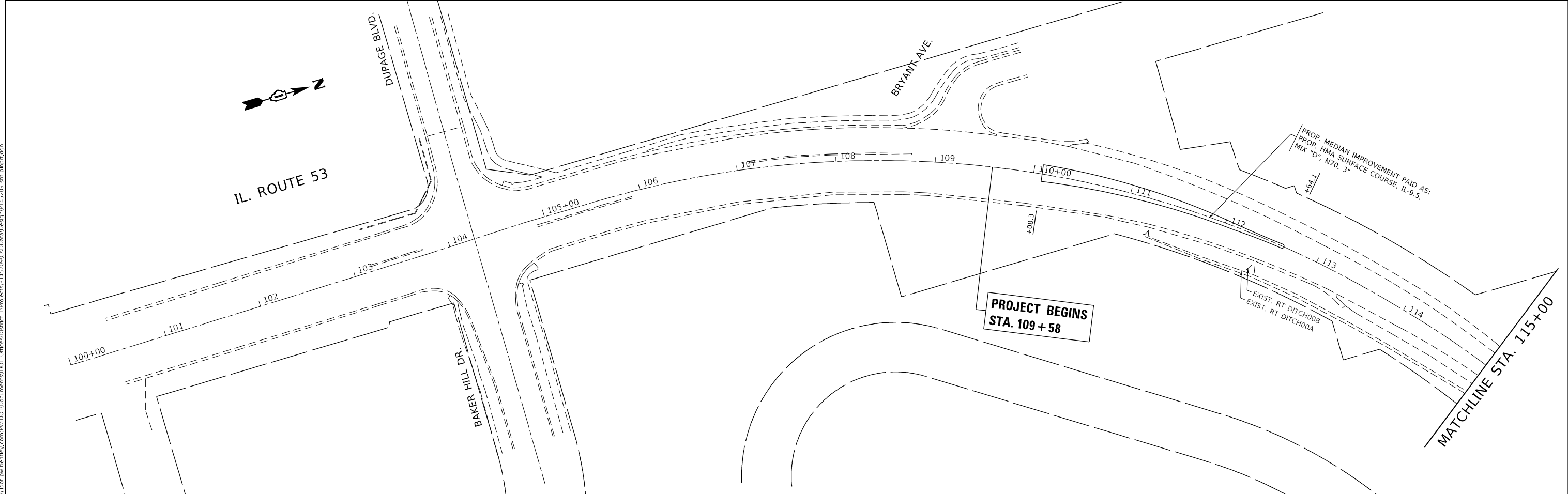
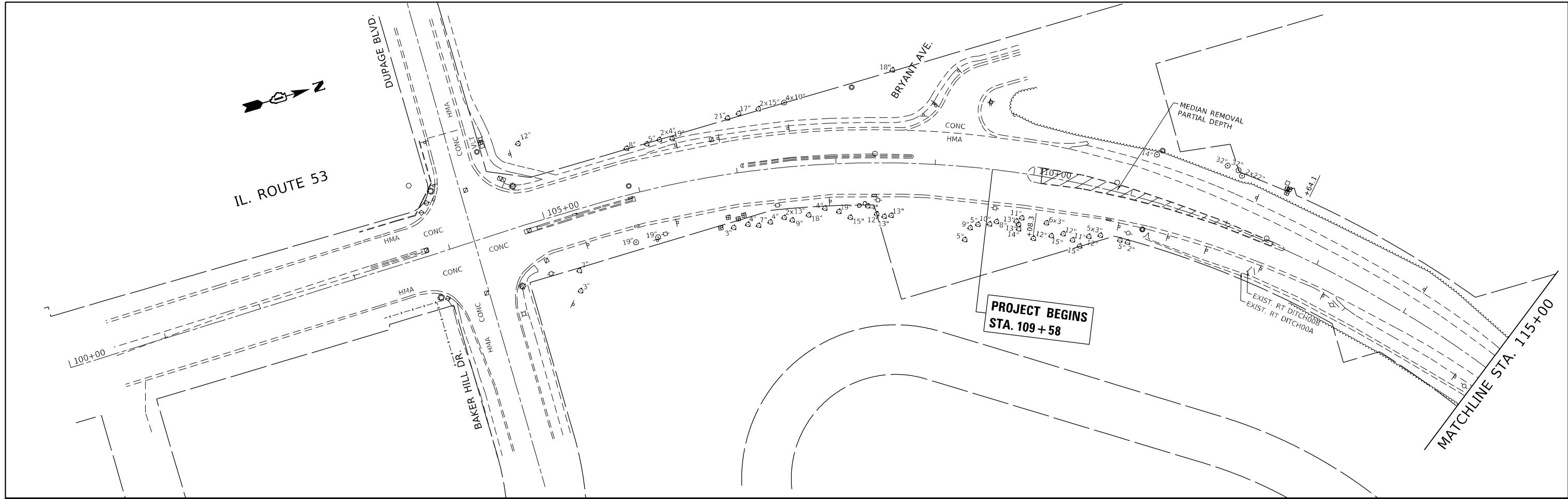
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PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS			
IL. ROUTE 53 AT PARKVIEW BOULEVARD /SURREY DRIVE			
SCALE: 1" = 100'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	20
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				



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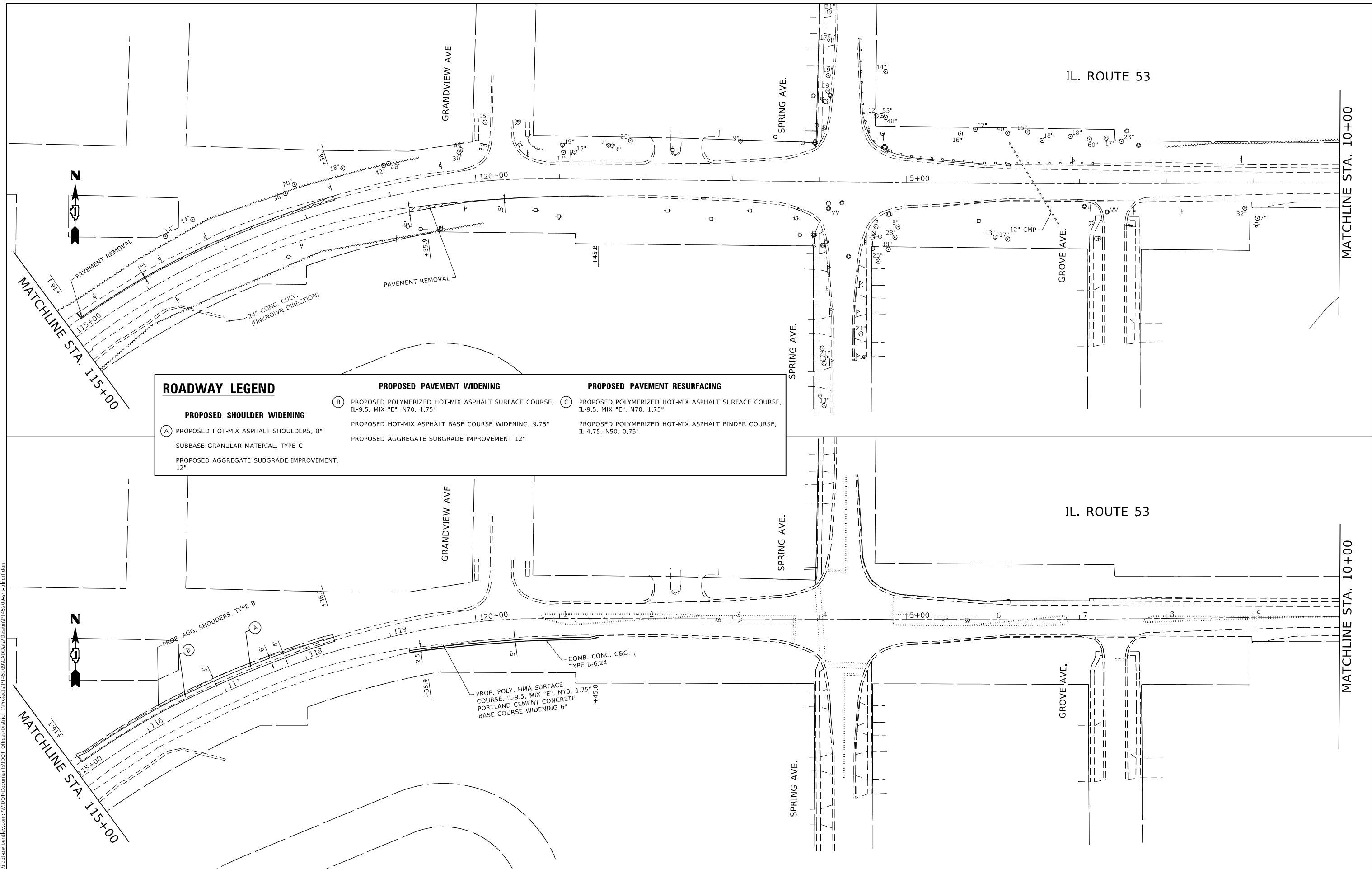
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN AND PROFILE
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	21
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

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ROADWAY LEGEND		PROPOSED PAVEMENT WIDENING	PROPOSED PAVEMENT RESURFACING
PROPOSED SHOULDER WIDENING (A) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" SUBBASE GRANULAR MATERIAL, TYPE C PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"	(B)	PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	(C) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
		PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75"	PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
		PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"	

USER NAME = aya.elkhatib	DESIGNED -	REVISED -
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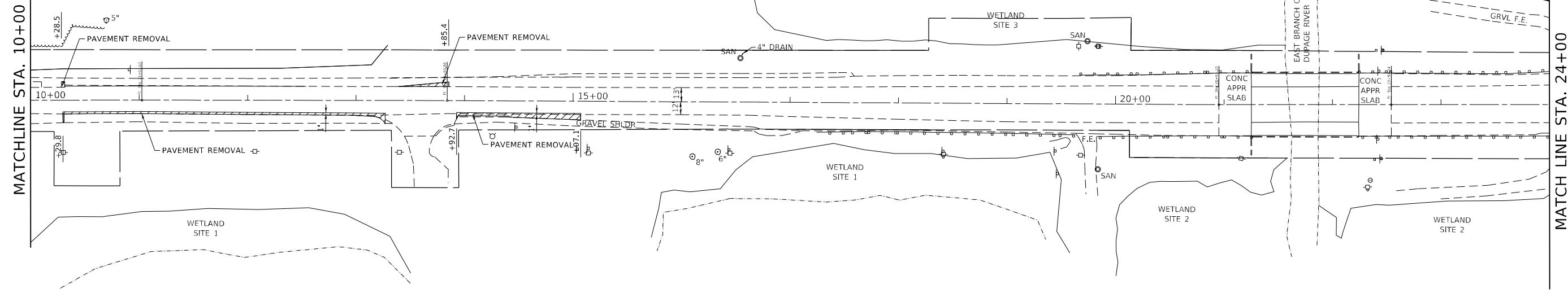
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

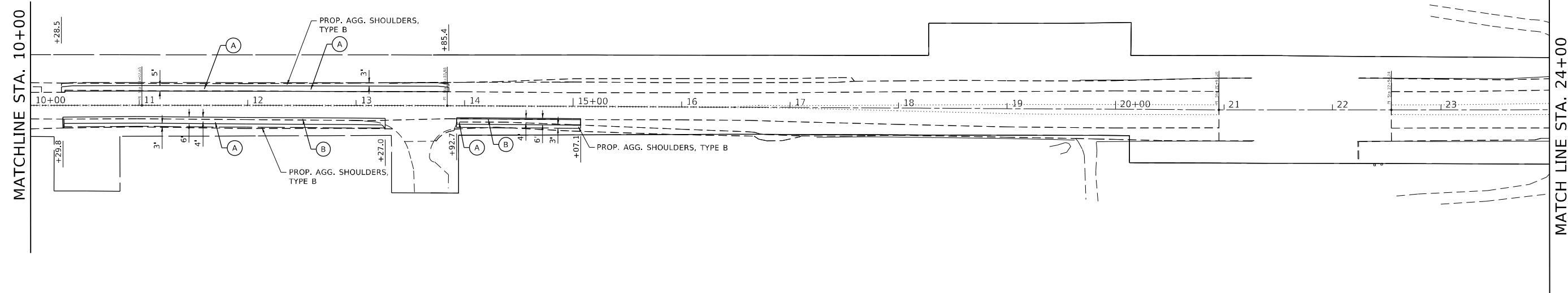
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	22
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 53



ROADWAY LEGEND		PROPOSED PAVEMENT WIDENING	PROPOSED PAVEMENT RESURFACING
(A)	PROPOSED SHOULDER WIDENING PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" SUBBASE GRANULAR MATERIAL, TYPE C PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"	(B) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75" PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9.75" PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"	(C) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75" PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"

IL. ROUTE 53



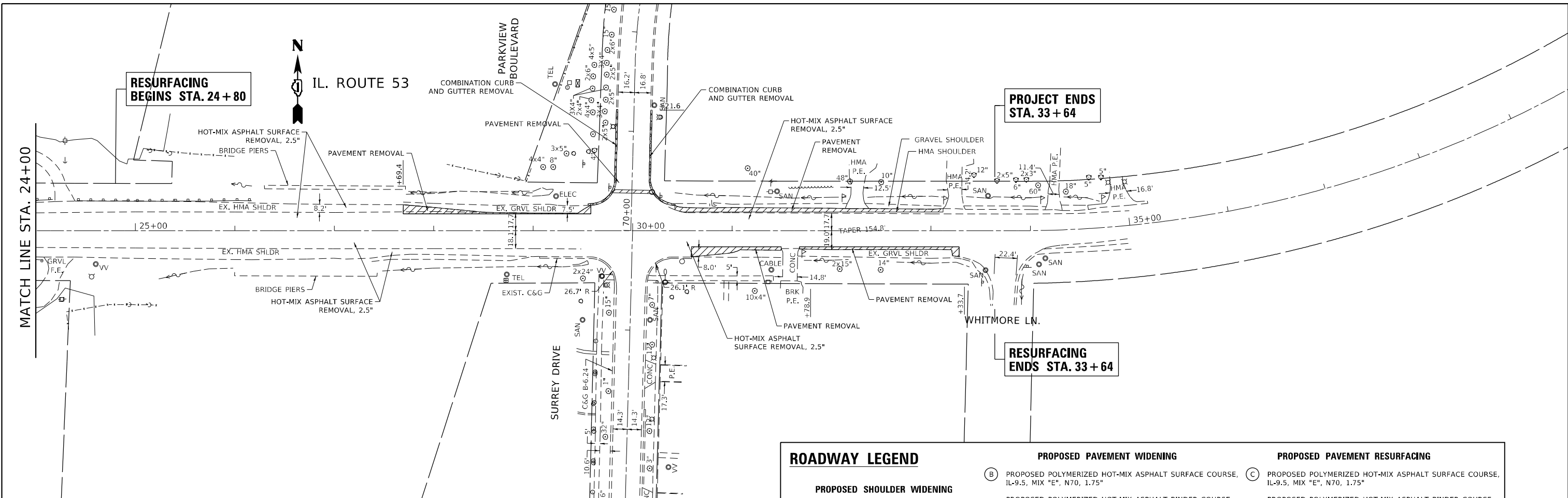
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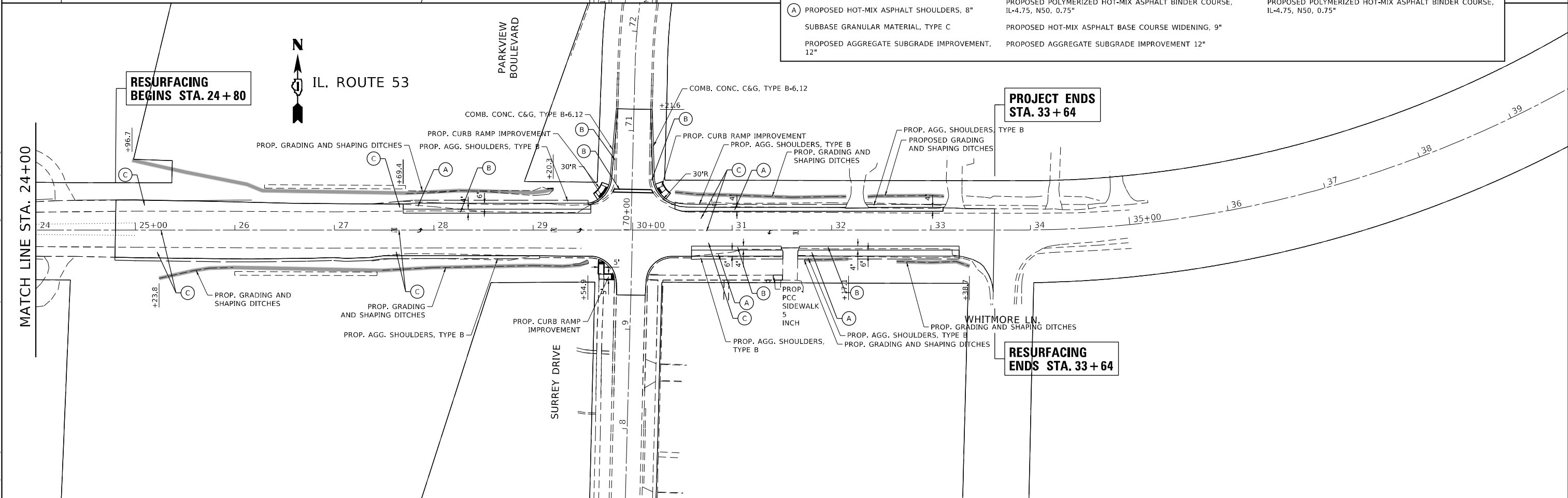
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN			
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	23
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				



ROADWAY LEGEND		PROPOSED PAVEMENT WIDENING	PROPOSED PAVEMENT RESURFACING
(A)	PROPOSED SHOULDER WIDENING	(B) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	(C) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
	PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"	PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
	SUBBASE GRANULAR MATERIAL, TYPE C	PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	
	PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"	PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"	



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PLOT DATE = 9/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

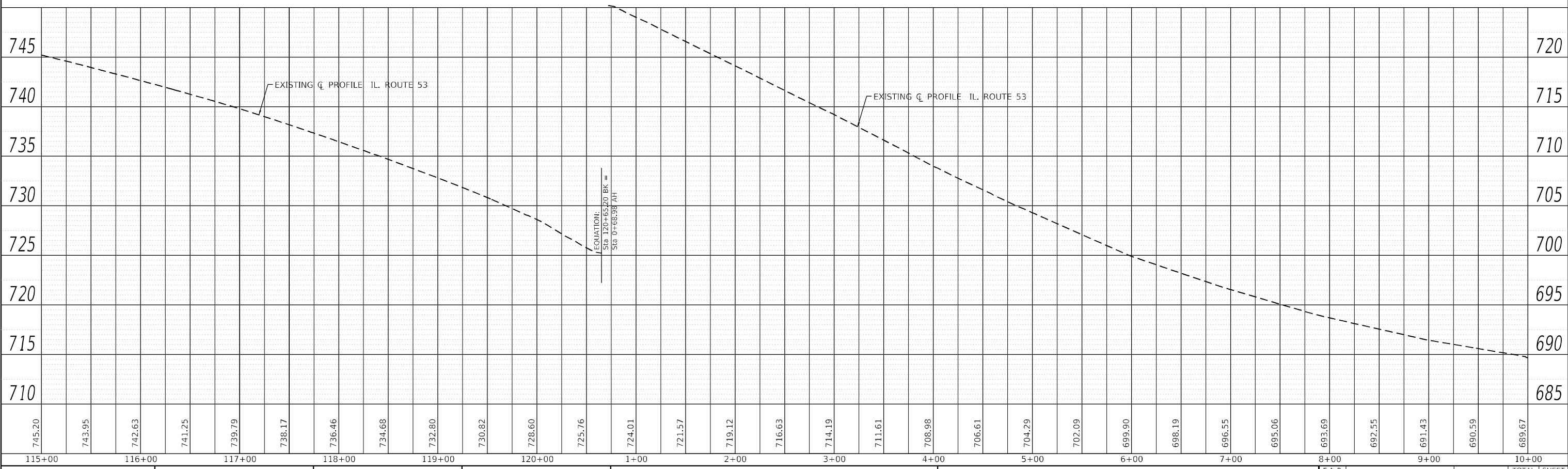
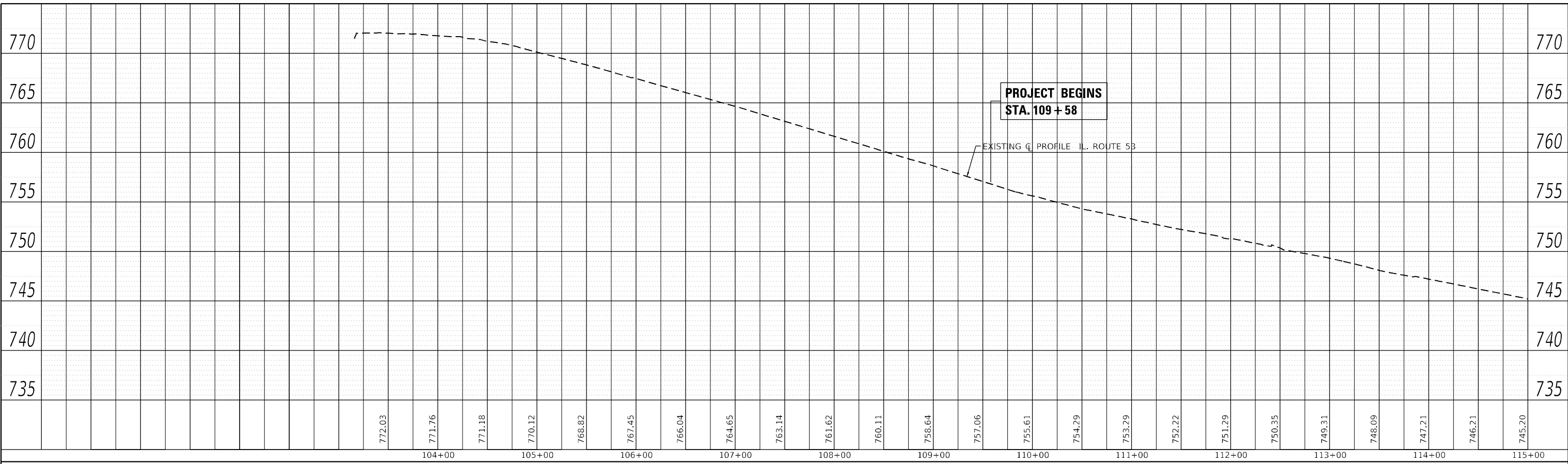
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CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	BY	DATE
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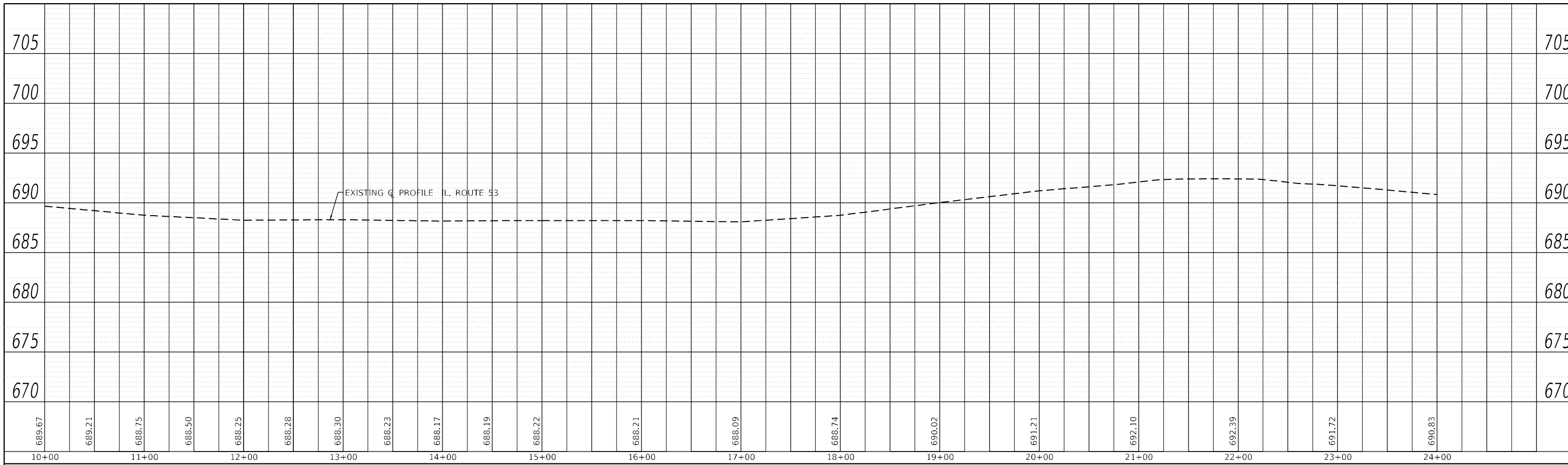
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED RIGHT ROADWAY PROFILE
 IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR**

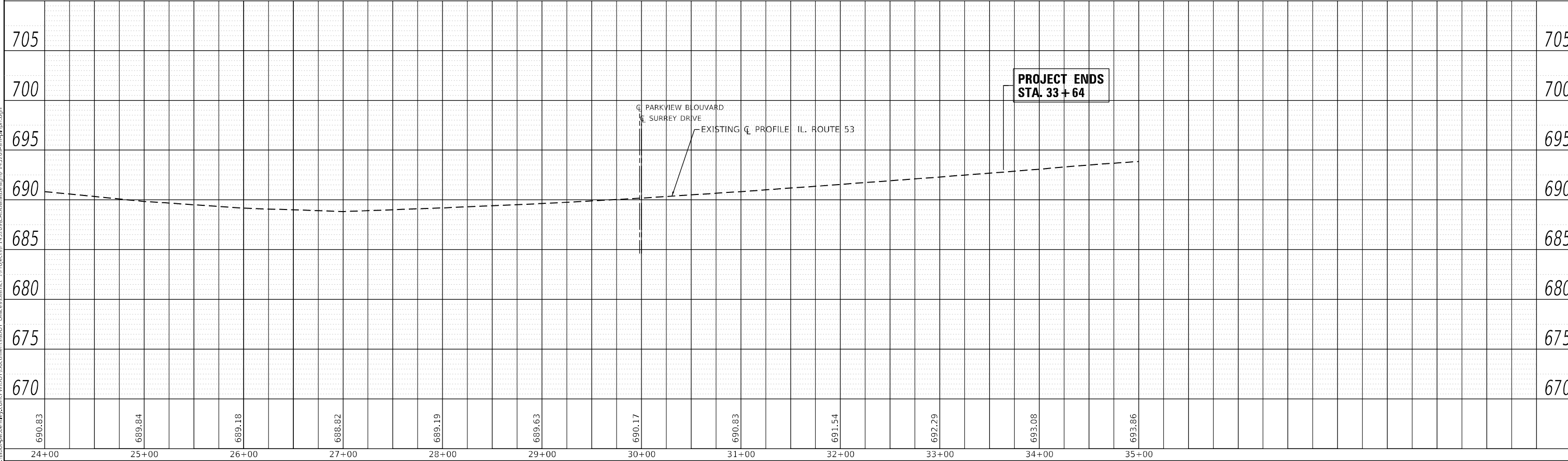
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CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	

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NOTED	DATE
BY	
SURVEYED	
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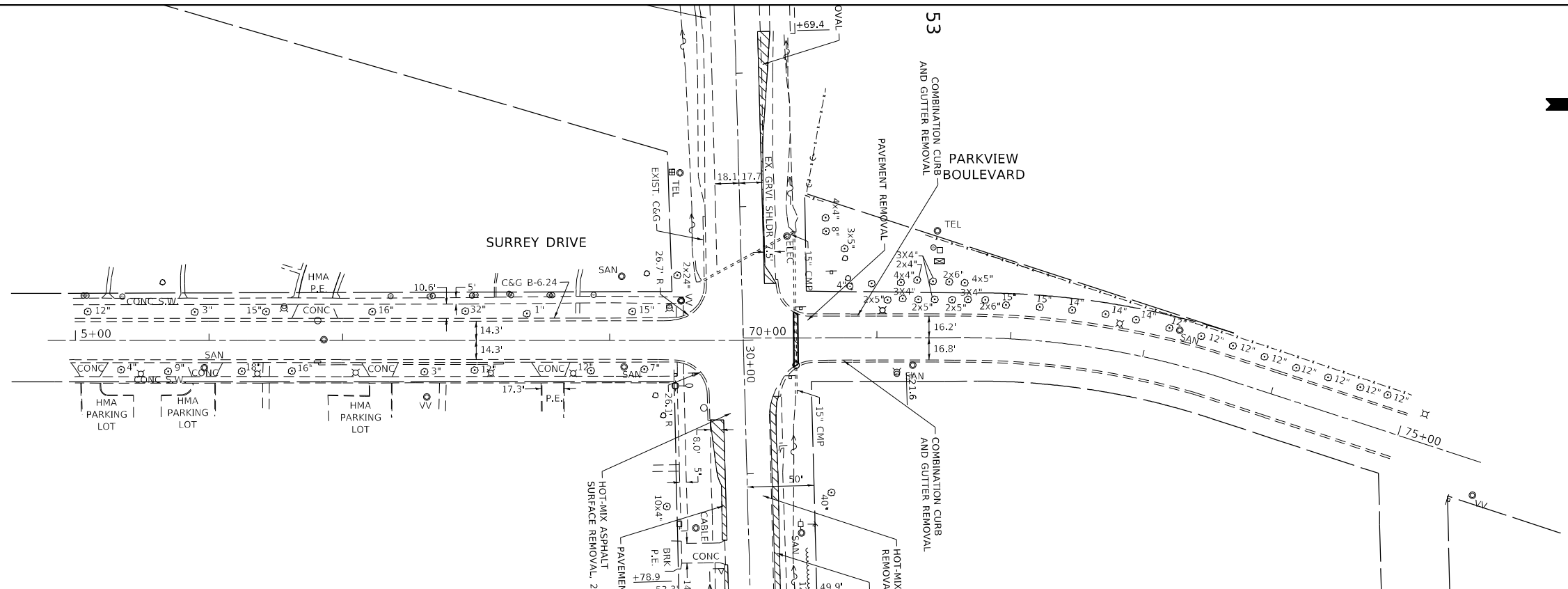
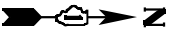
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PLOT DATE = 9/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

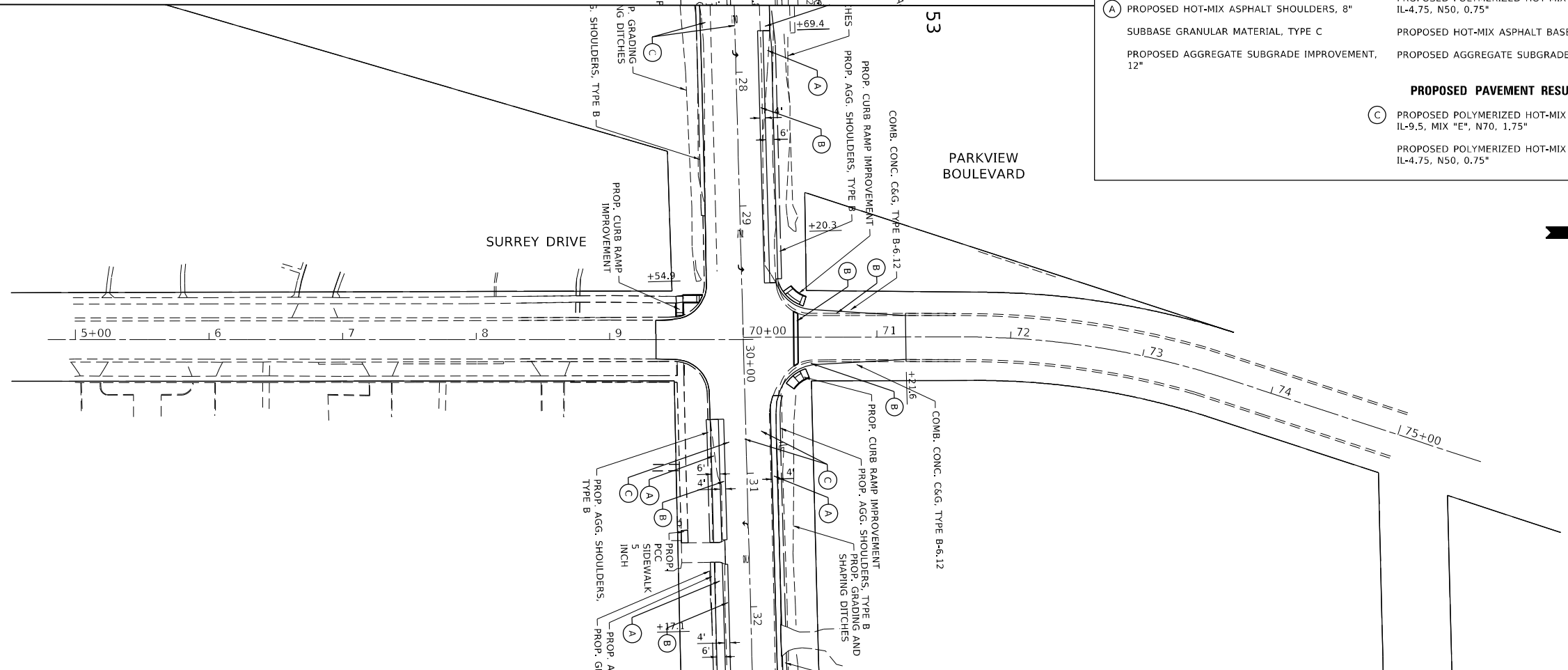
EXISTING AND PROPOSED RIGHT ROADWAY PROFILE IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR			
SCALE: 1"=50'H 5'V	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	26
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

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ROADWAY LEGEND	
PROPOSED SHOULDER WIDENING	PROPOSED PAVEMENT WIDENING
(A) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" SUBBASE GRANULAR MATERIAL, TYPE C PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"	(B) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75" PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75" PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9" PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
	PROPOSED PAVEMENT RESURFACING
	(C) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75" PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"



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 DRAWING: 1452709-048T5-01
 DATE: 9/27/2024

USER NAME = aya.elkhatib	DESIGNED -	REVISED -
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PLOT DATE = 9/27/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN AND PROFILE
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

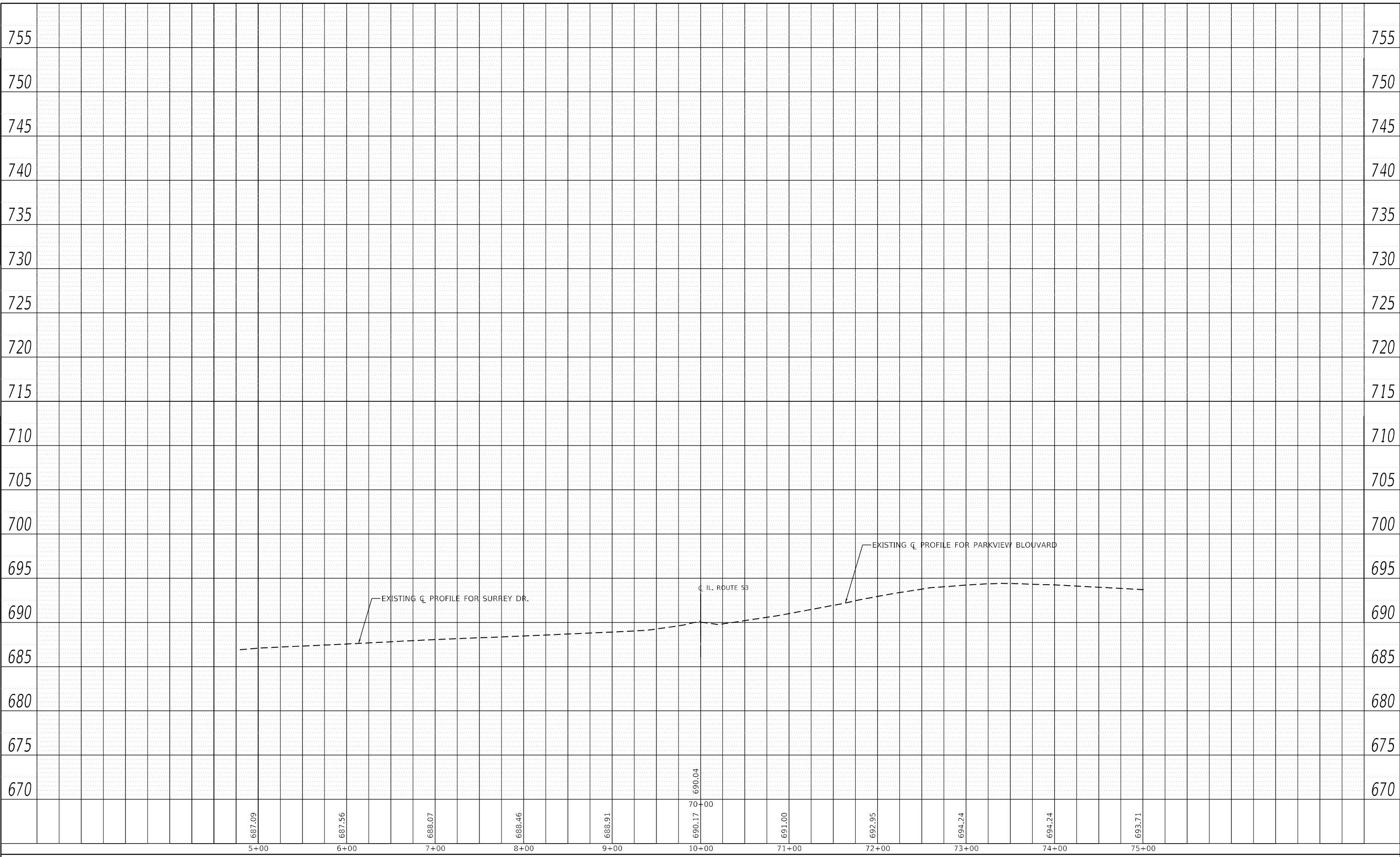
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	27
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

PLAN		SURVEYED		DATE	
NOTE BOOK NO.		PLOTTED		BY	
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PROFILE		SURVEYED		DATE	
NOTE BOOK NO.		PLOTTED		BY	
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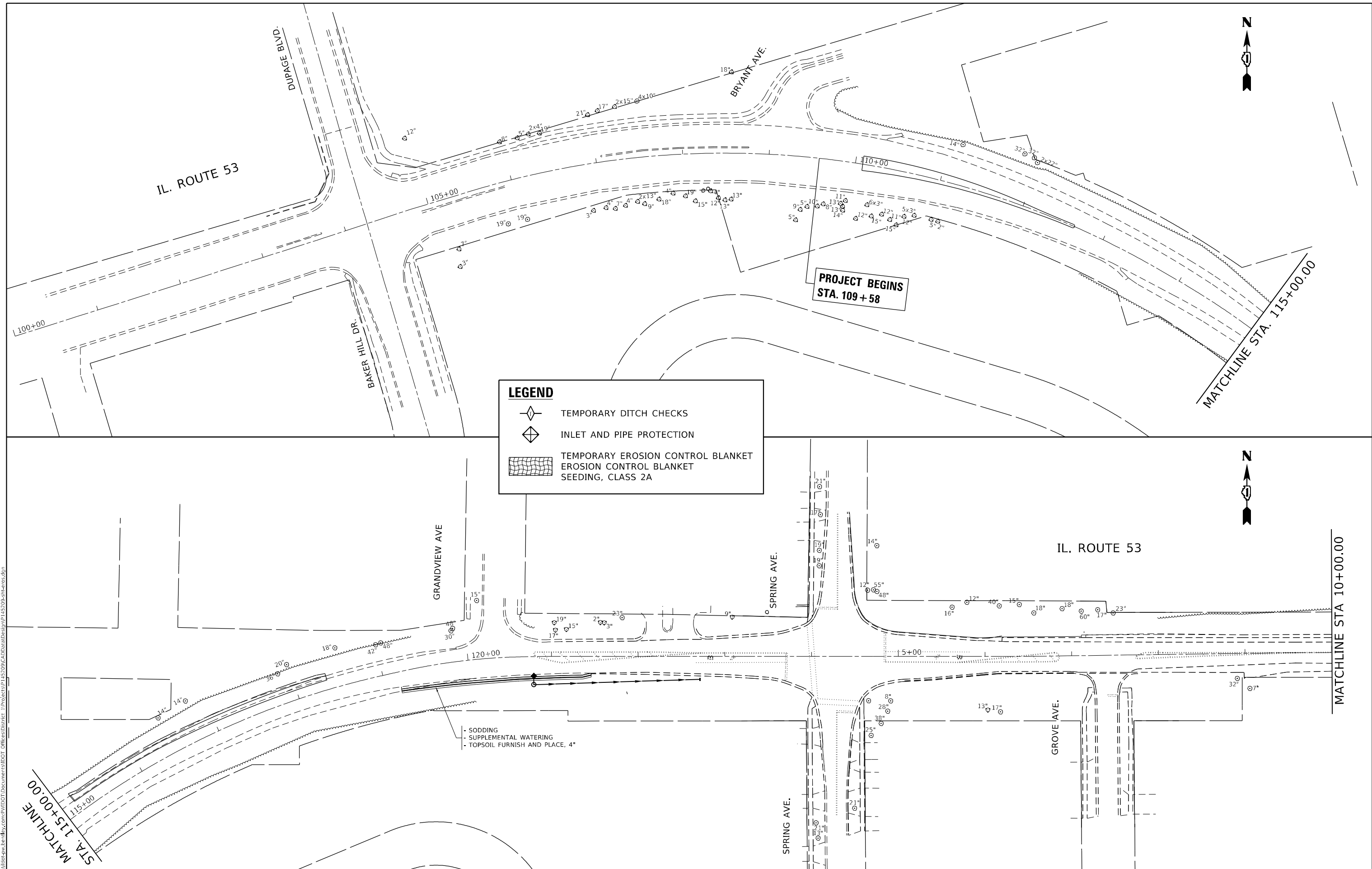
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**





EXISTING AND PROPOSED RIGHT ROADWAY PROFILE			
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR			
SCALE: 1"=50'H 5'V	SHEET	OF	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	28
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE: 9/27/2024



LEGEND

-  TEMPORARY DITCH CHECKS
-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL BLANKET
-  EROSION CONTROL BLANKET SEEDING, CLASS 2A

- SODDING
- SUPPLEMENTAL WATERING
- TOPSOIL FURNISH AND PLACE, 4"

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN
 IL. ROUTE 53 AT PARKVIEW BOULEVARD/SURREY LANE**

USER NAME = aya.elkhatib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/27/2024	DATE -	REVISED -

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 29
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

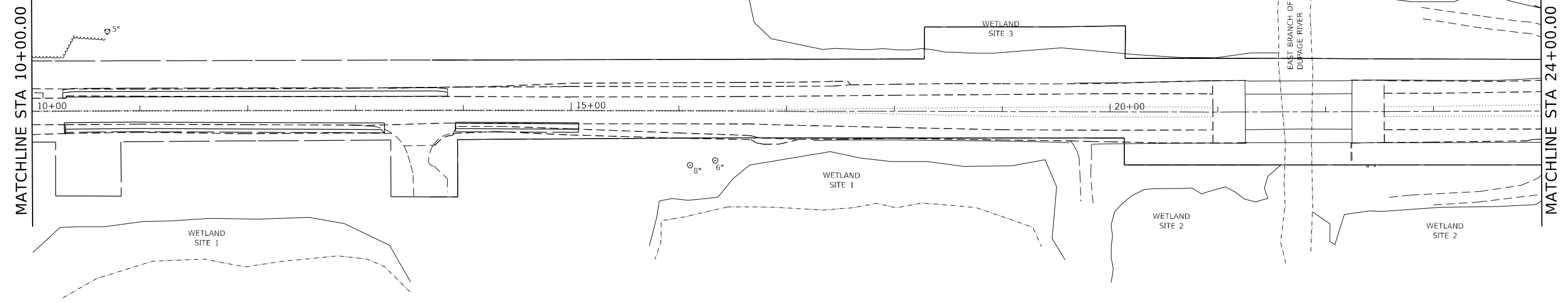
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



IL. ROUTE 53

MATCHLINE STA 10+00.00

MATCHLINE STA 24+00.00



LEGEND

-  TEMPORARY DITCH CHECKS
-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL BLANKET
-  EROSION CONTROL BLANKET SEEDING, CLASS 2A

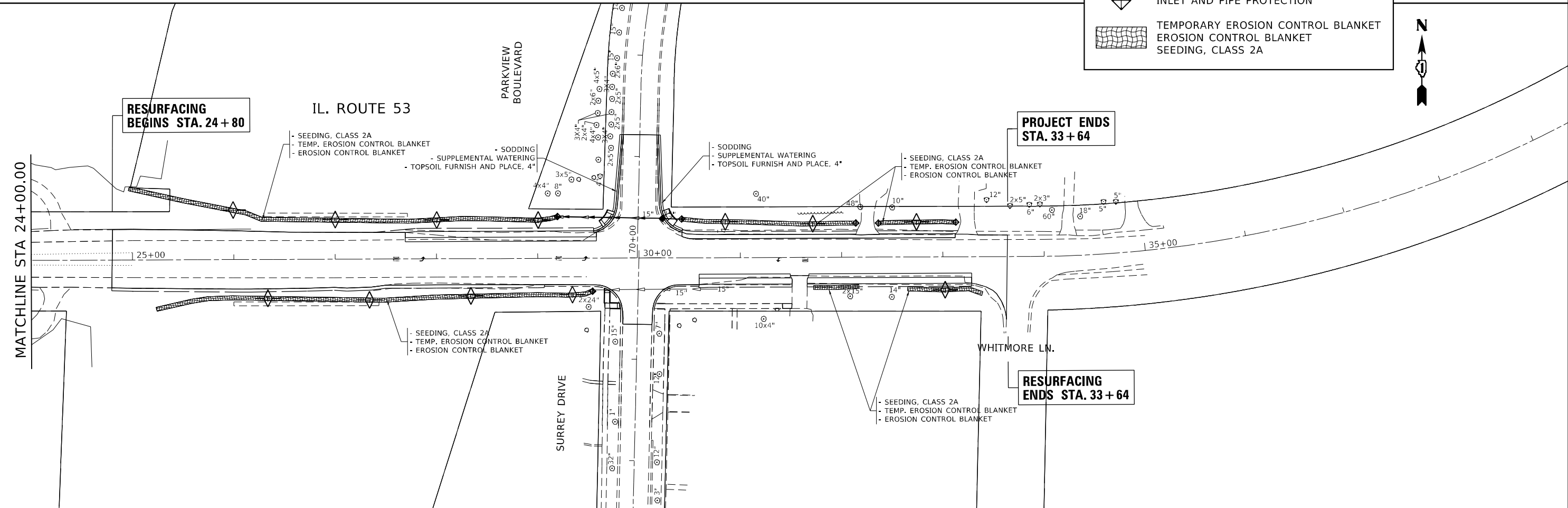


MATCHLINE STA 24+00.00

RESURFACING BEGINS STA. 24 + 80

PROJECT ENDS STA. 33 + 64

RESURFACING ENDS STA. 33 + 64



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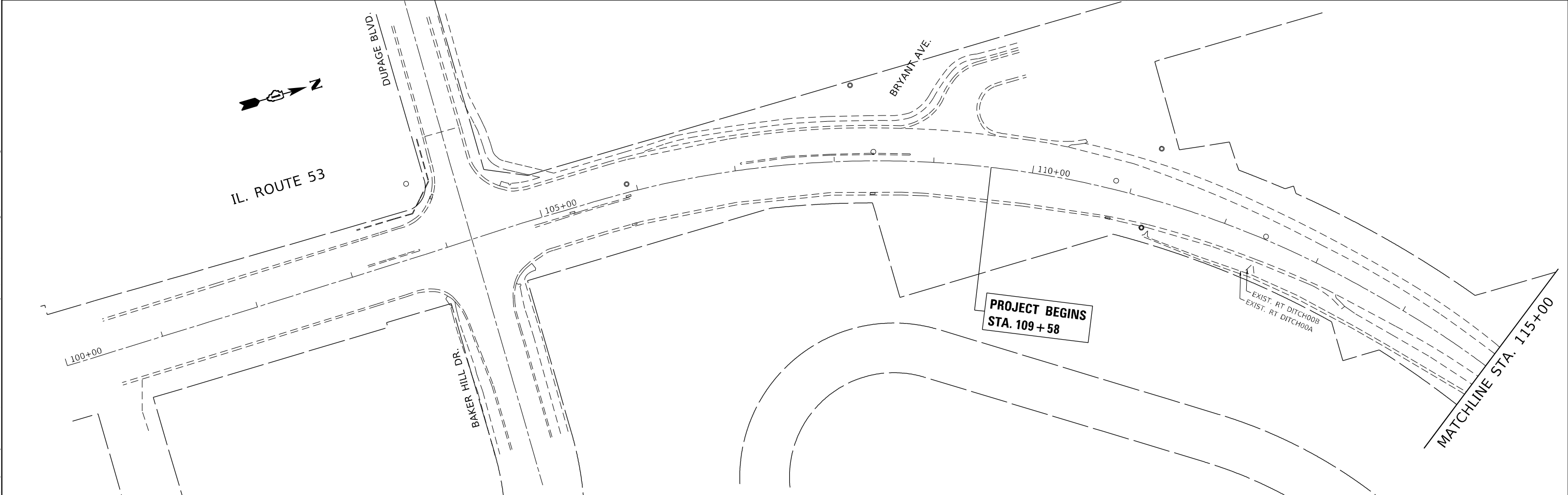
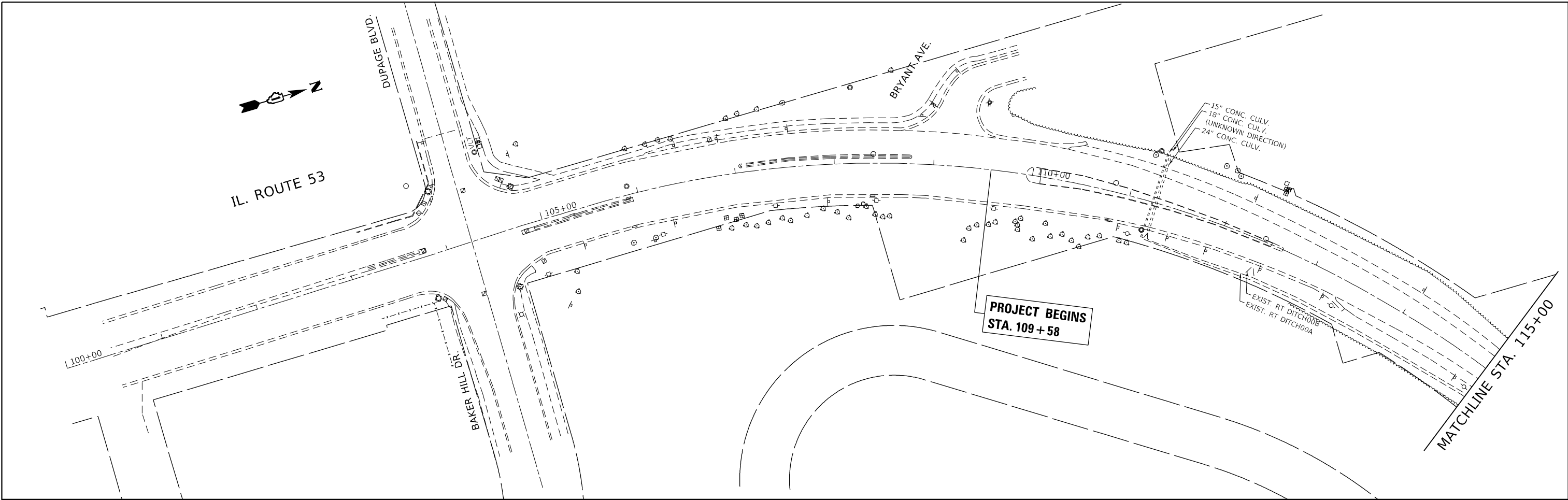
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PLOT DATE = 9/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN
IL. ROUTE 53 AT PARKVIEW BOULEVARD/SURREY LANE
SCALE: 1" = 50'

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 30
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

SHEET 2 OF 2 SHEETS STA. TO STA.



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PLOT DATE = 9/27/2024	DATE -	REVISED -

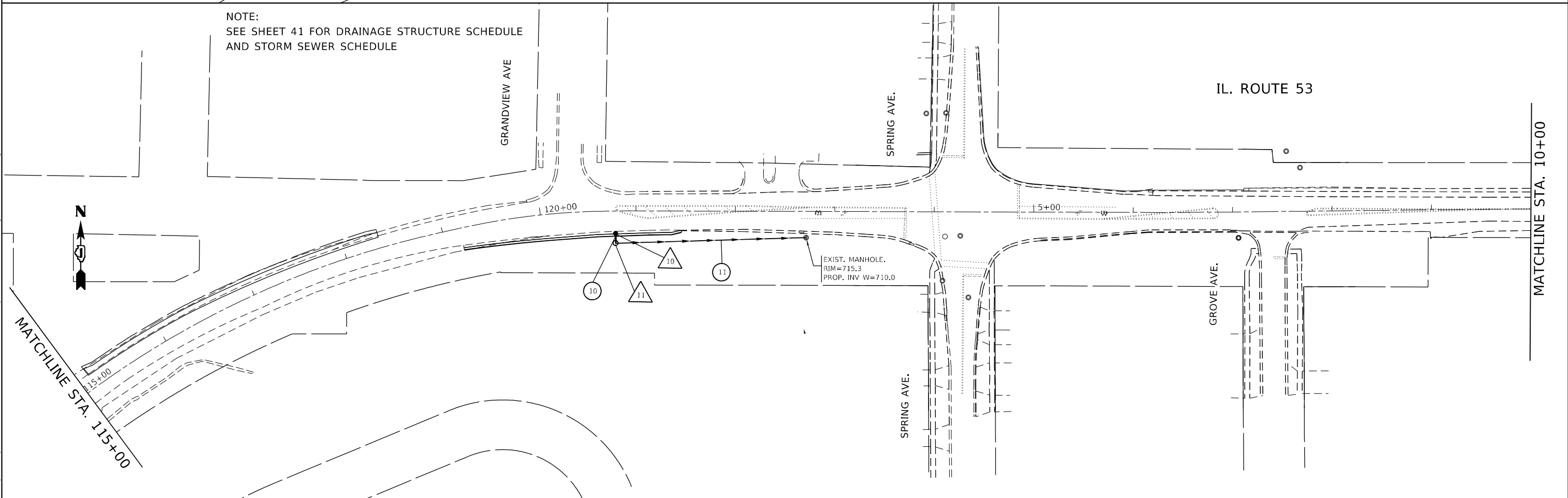
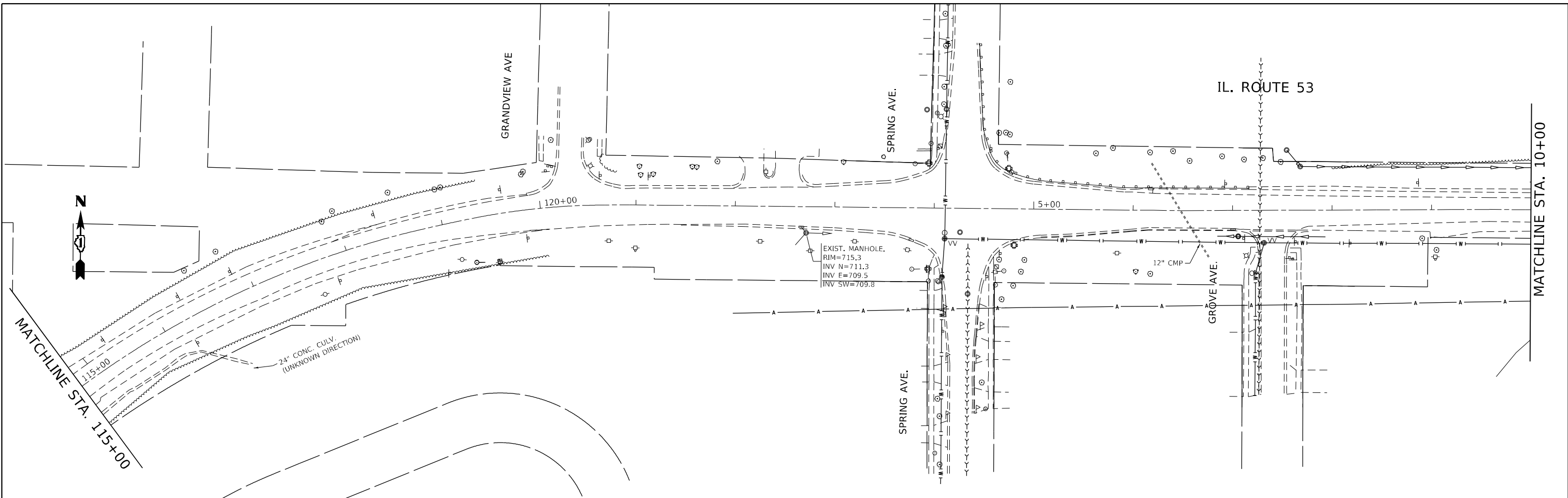
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 31
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 60T22



NOTE:
SEE SHEET 41 FOR DRAINAGE STRUCTURE SCHEDULE
AND STORM SEWER SCHEDULE

EXIST. MANHOLE.
RIM=715.3
INV N=711.3
INV E=709.5
INV SW=709.8

EXIST. MANHOLE.
RIM=715.3
PROP. INV W=710.0

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	32
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

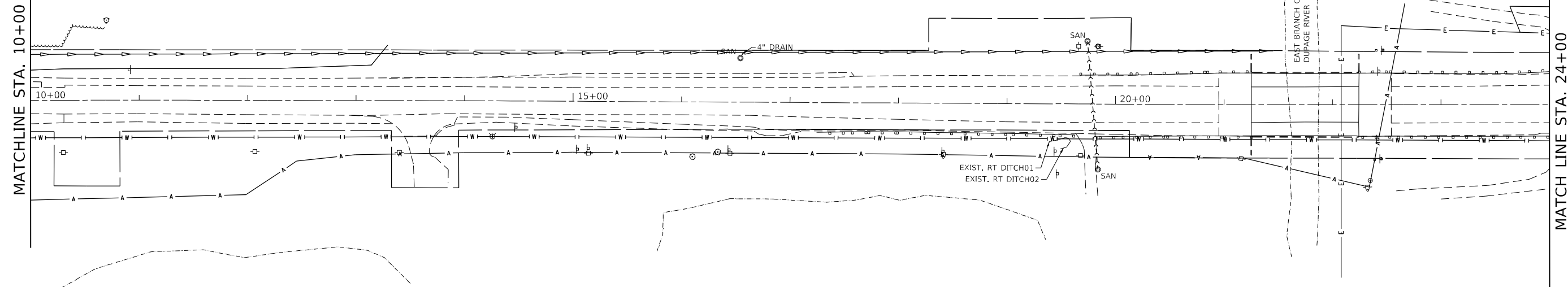
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/27/2024	DATE -	REVISED -

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

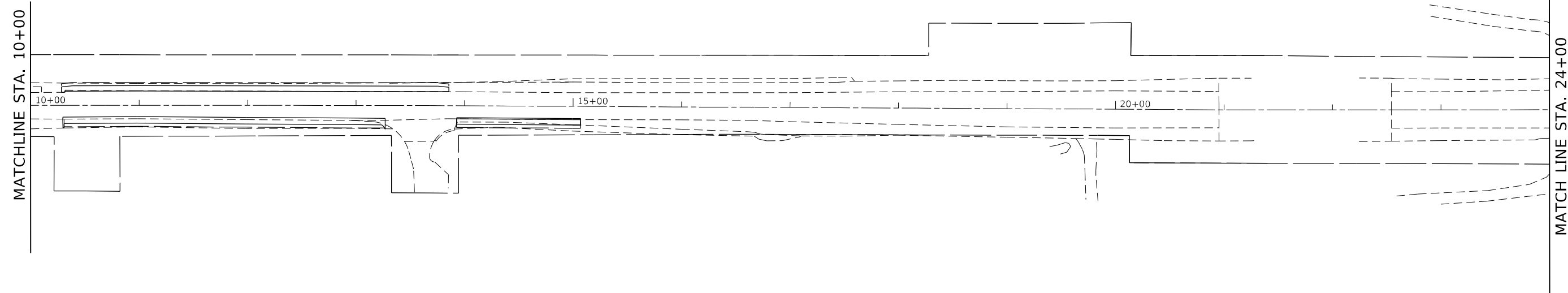
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IL. ROUTE 53



IL. ROUTE 53



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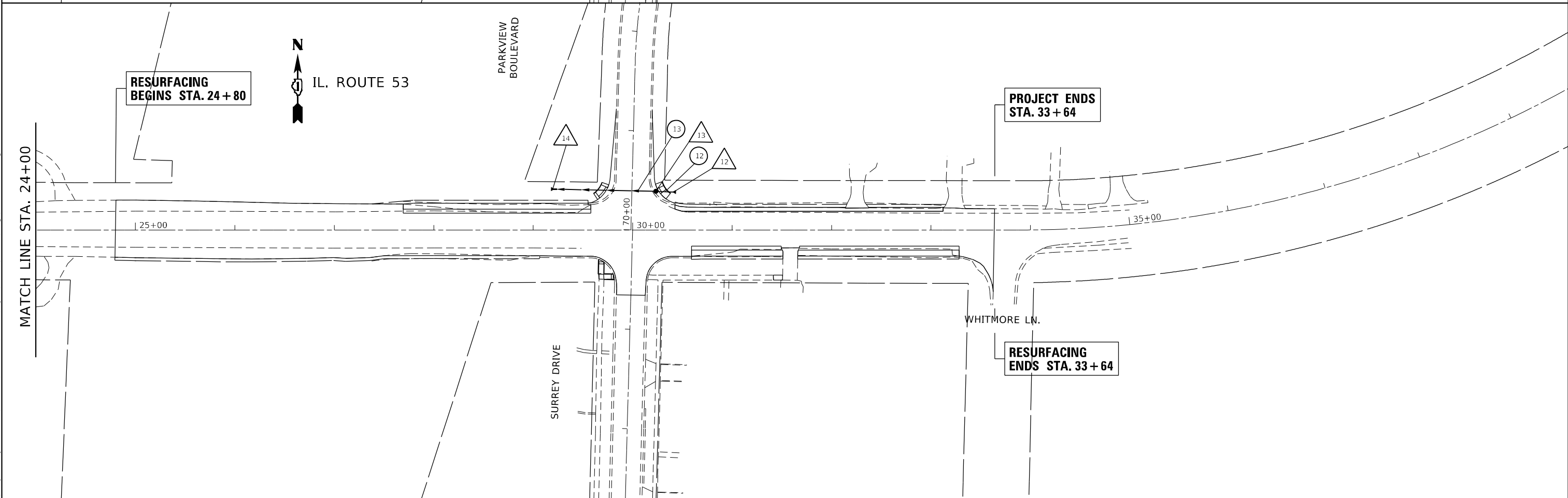
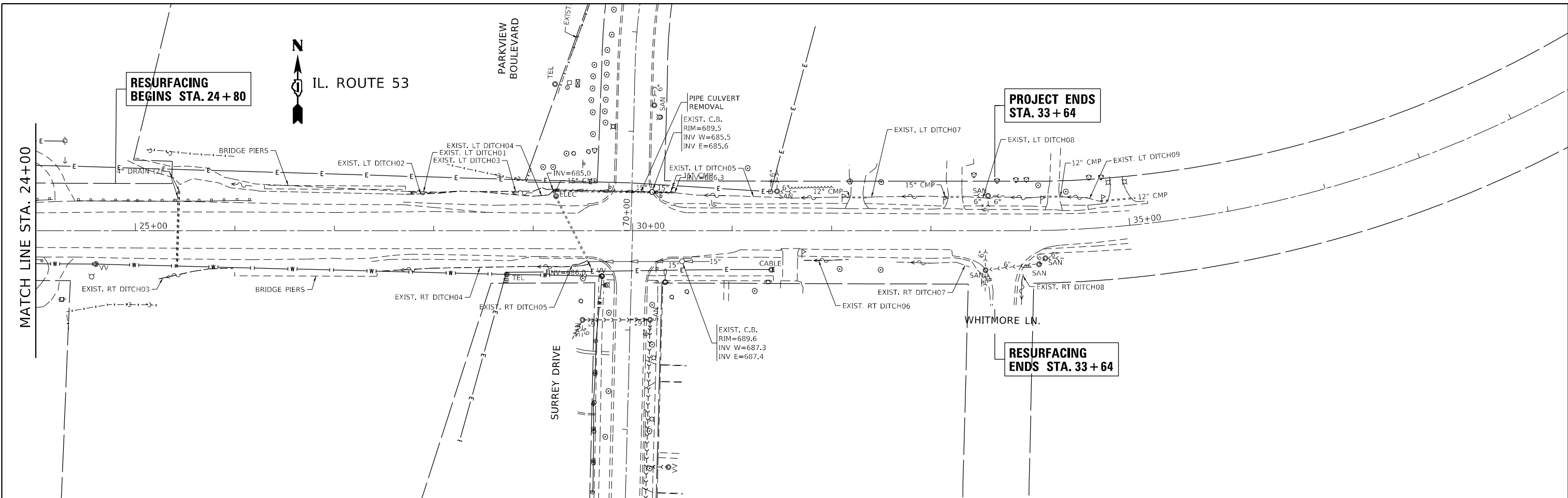
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	33
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				



RESURFACING
BEGINS STA. 24 + 80

PROJECT ENDS
STA. 33 + 64

RESURFACING
BEGINS STA. 24 + 80

PROJECT ENDS
STA. 33 + 64

RESURFACING
ENDS STA. 33 + 64

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PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR**

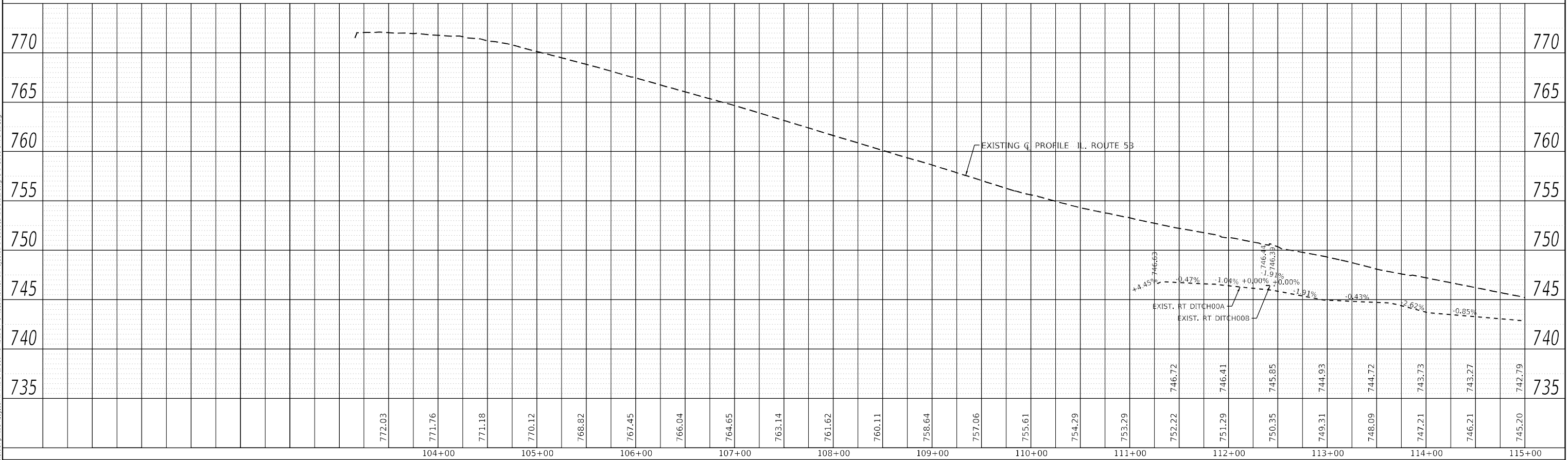
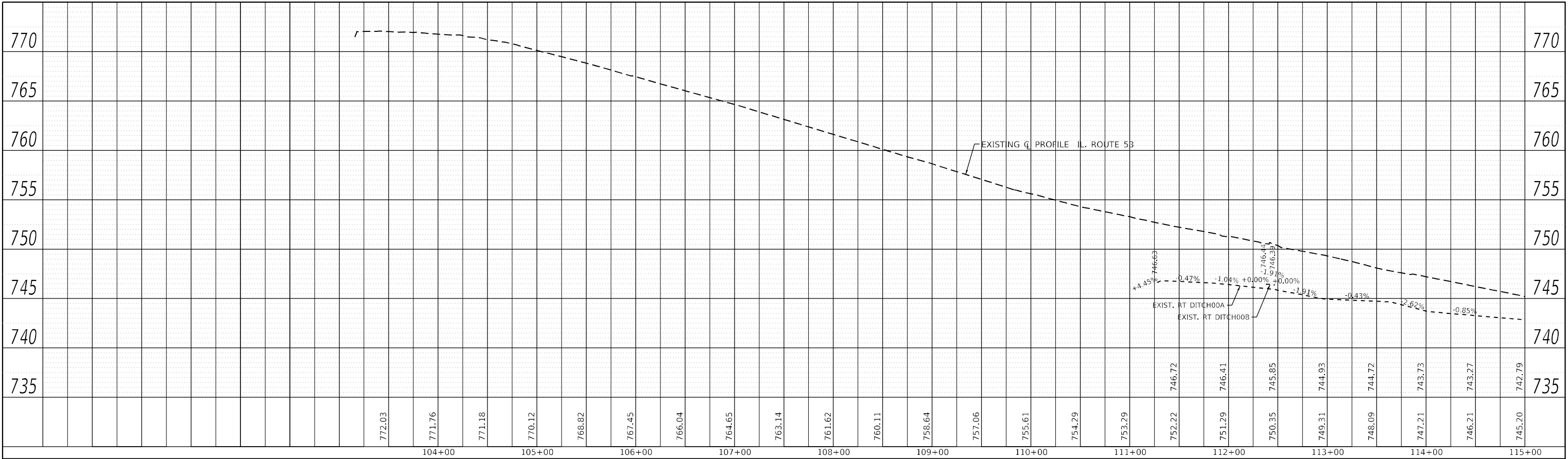
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	34
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK NO.	PLOTTED	BY
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	STRUCTURE NOTATIONS CURVD	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CURVD	
	CADD FILE NAME	

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PLOT DATE = 8/20/2024	DATE -	REVISED -

DESIGNED -	REVISED -
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DATE -	REVISED -

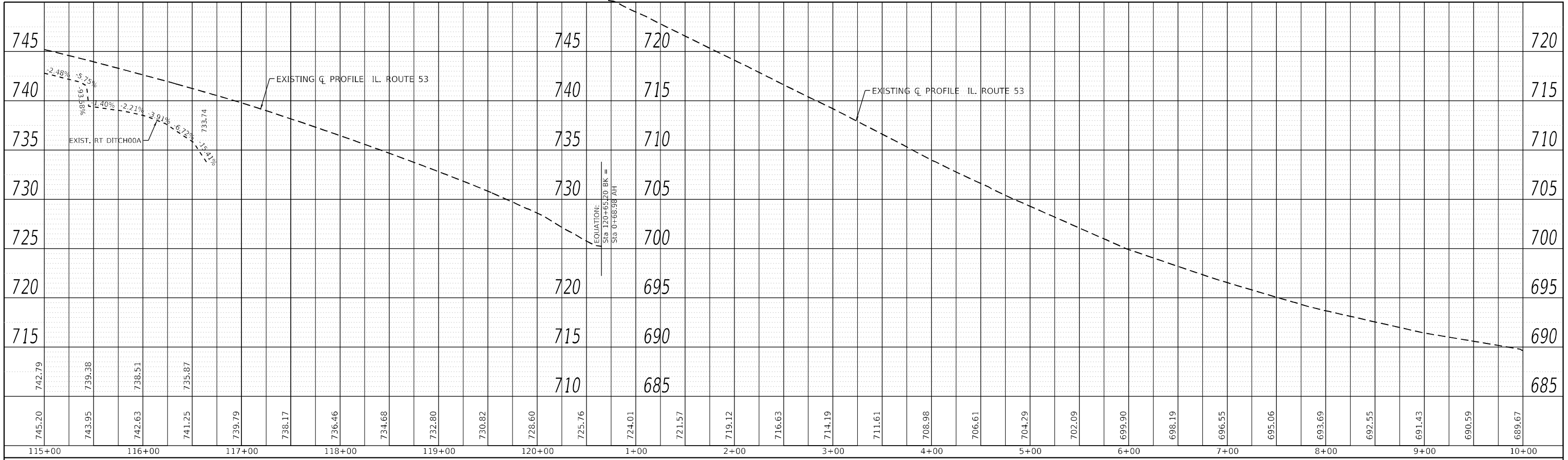
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PROFILE
IL ROUTE 53 AT PARKVIEW BLVD /SURREY DR**

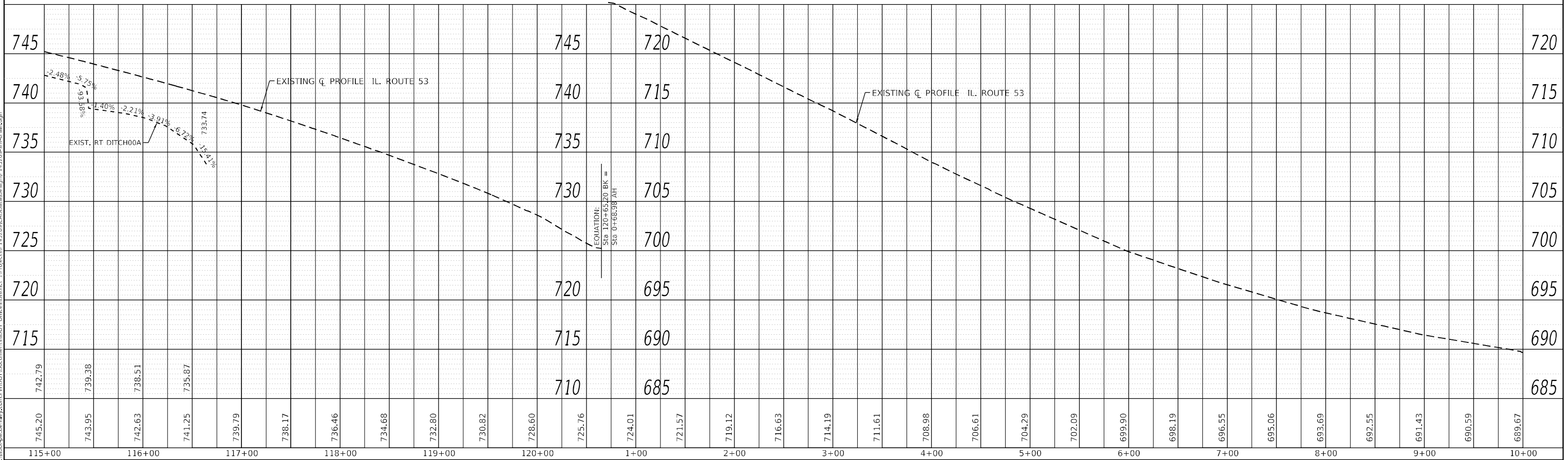
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	35
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK NO.	PLOTTED	BY
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PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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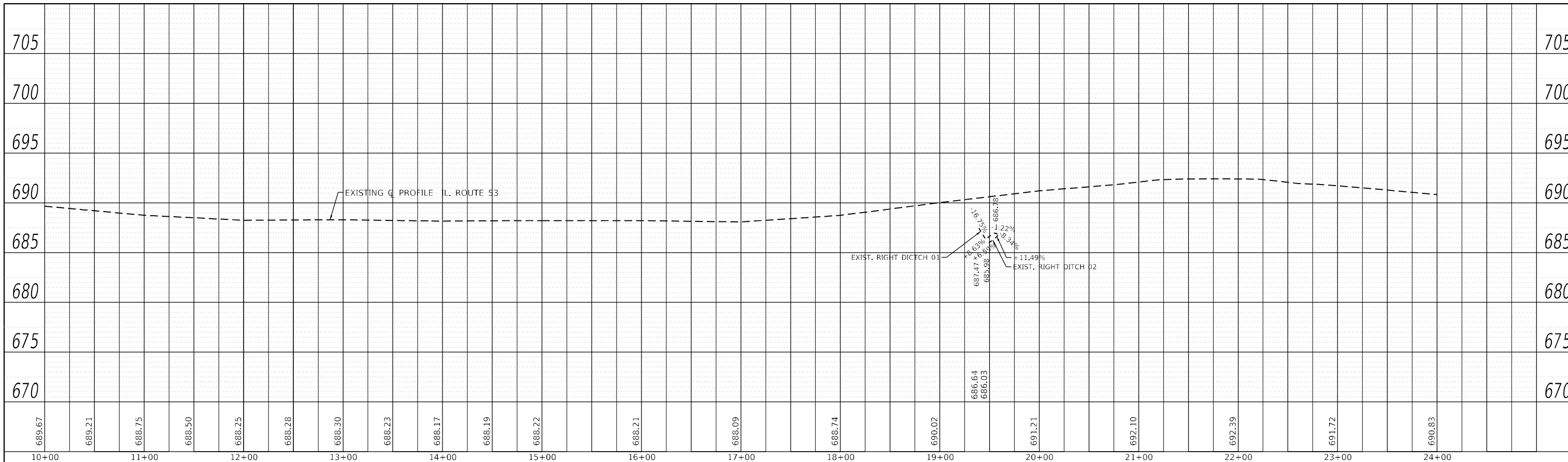
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PROFILE
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR**

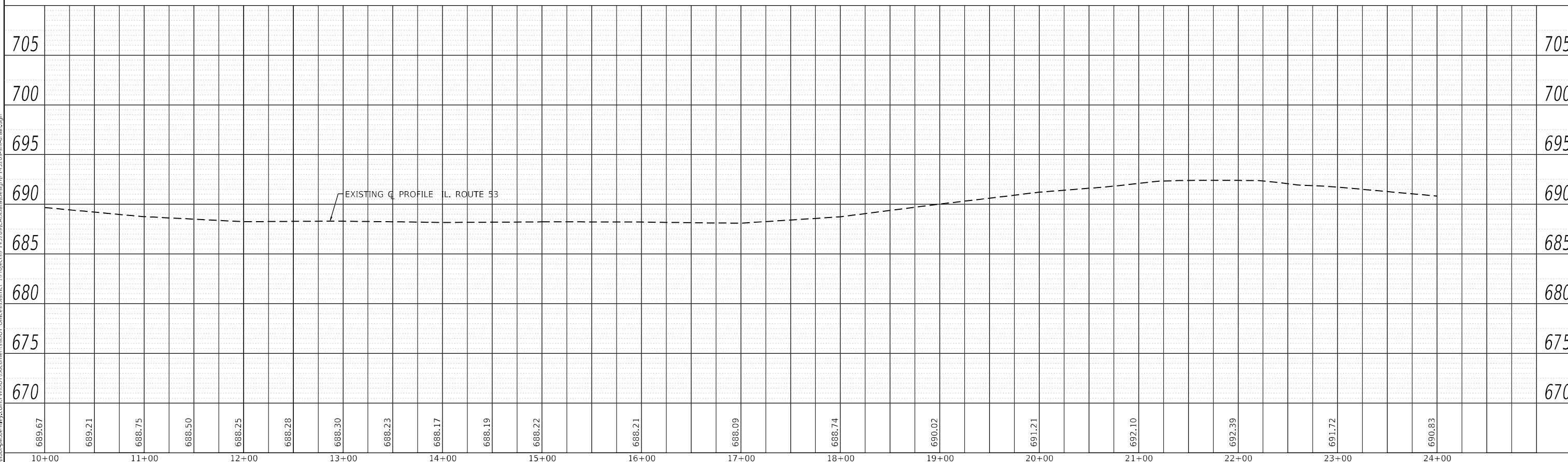
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	36
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'H 5'V SHEET OF SHEETS STA. TO STA.

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NO.	NO.
BY	
DATE	

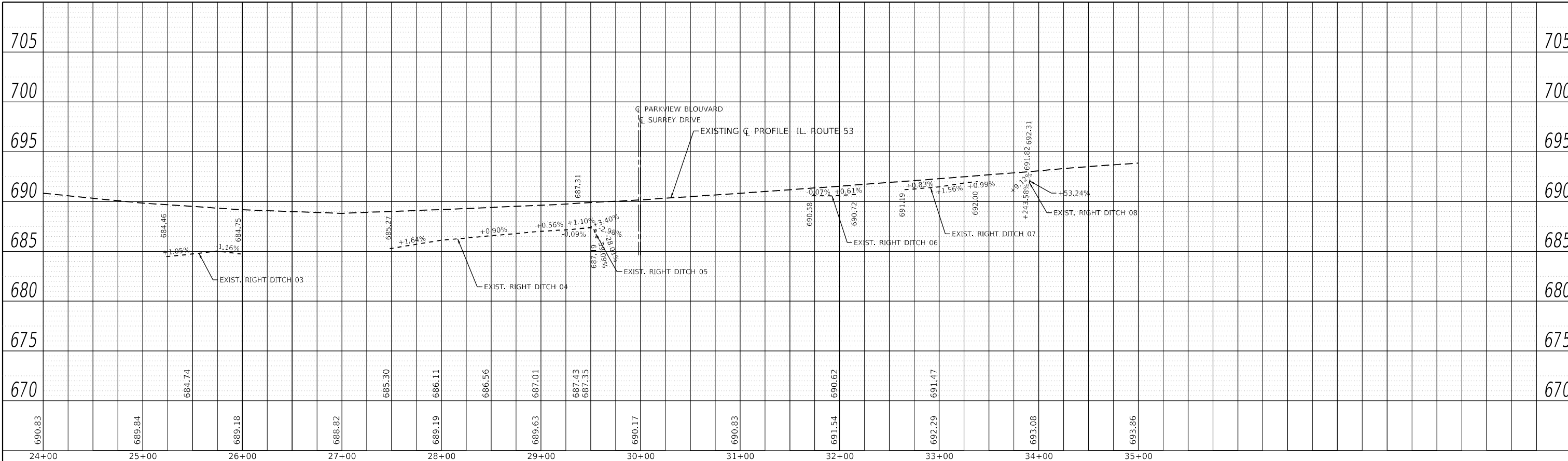


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BY	
DATE	

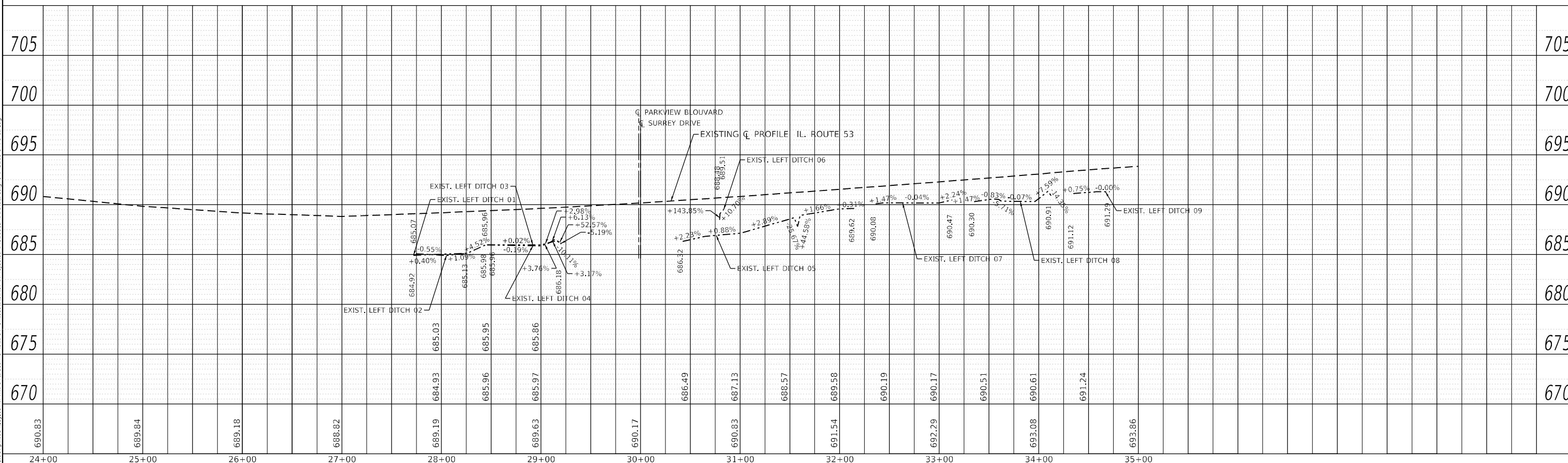


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	PLOT DATE = 8/20/2024	DATE -	REVISED -										
CONTRACT NO. 60T22													

PLAN		SURVEYED		DATE	
NOTE BOOK NO.		PLOTTED		BY	
		ALIGNMENT CHECKED			
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		CADD FILE NAME			



PROFILE		DATE	
NOTE BOOK NO.		BY	



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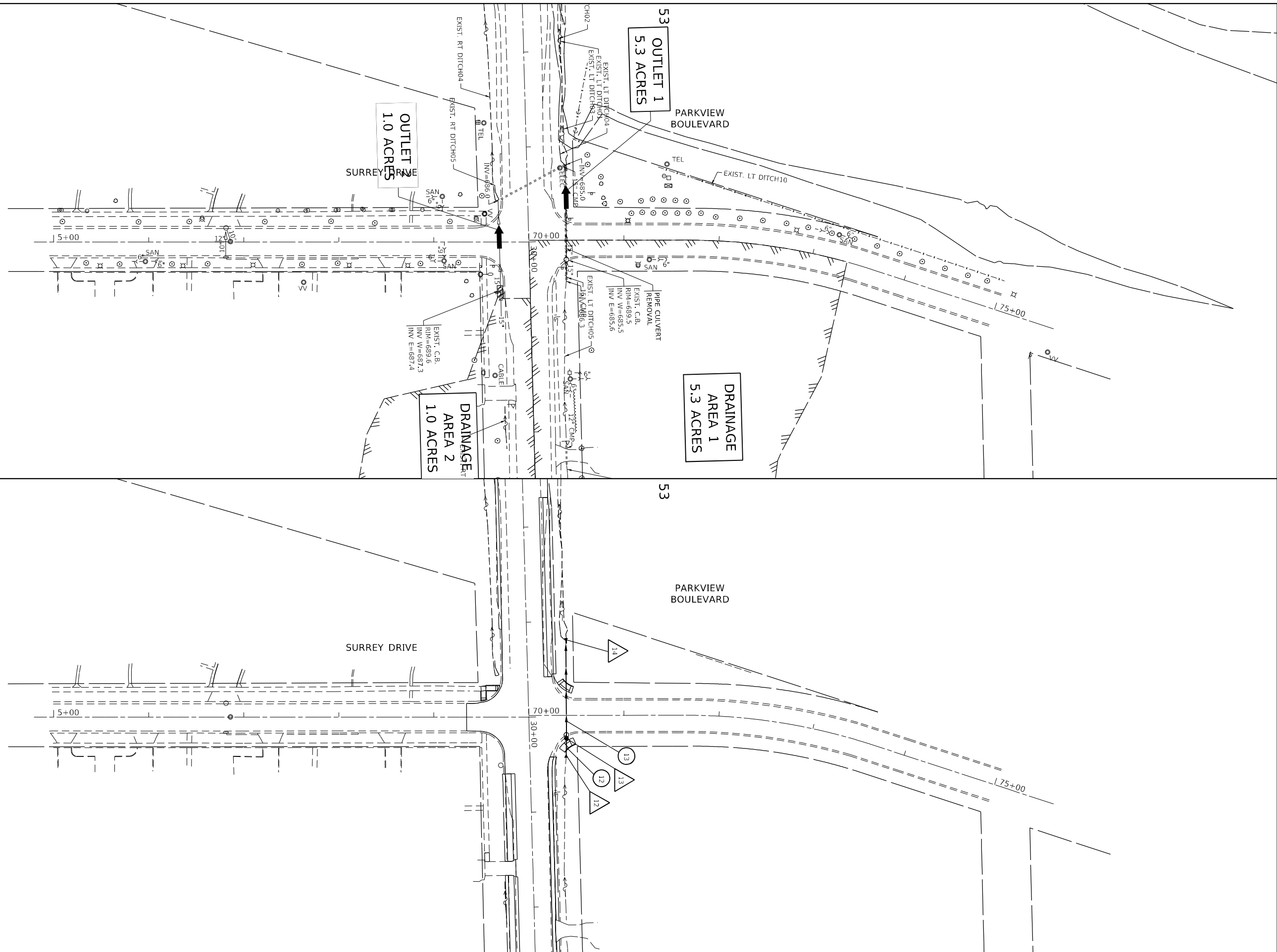
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PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PROFILE
IL. ROUTE 53 AT PARKVIEW BLVD /SURREY DR

SCALE: 1"=50'H 5'V SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 38
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
IL ROUTE 53 AT PARKVIEW BLVD /SURREY DR

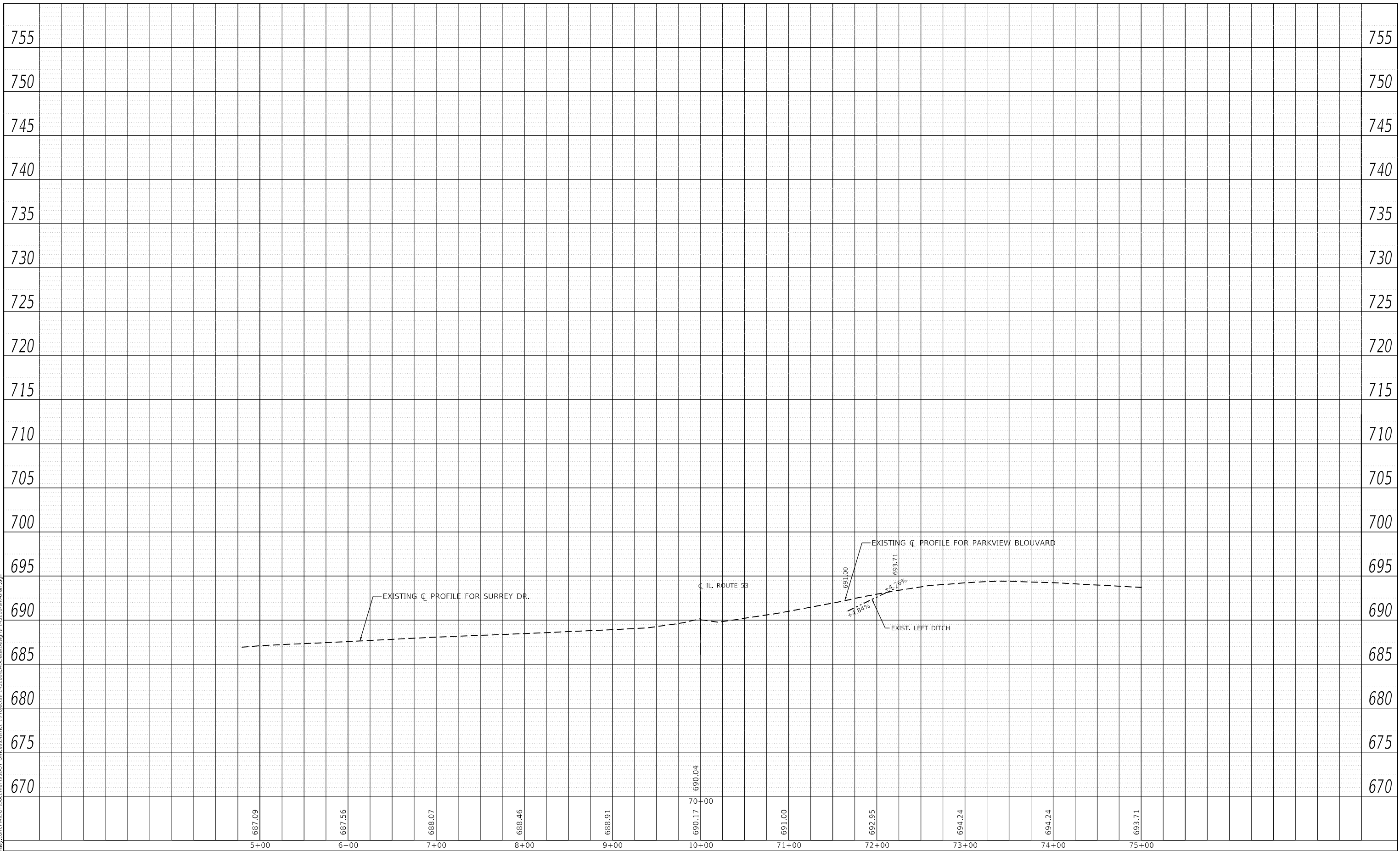
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	39
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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PROFILE	SURVEYED	DATE
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USER NAME = aya.elkhatib	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/20/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED DRAINAGE PROFILE			
IL ROUTE 53 AT PARKVIEW BLVD /SURREY DR			
SCALE: 1"=50'H 5'V	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	40
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

STRUCTURES SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE			RIM ELEVATION	INVERTS		
10	120+76	22.9' RT	CATCH BASIN TYPE A	4' - DIA	OPEN LID	723.82		12" (S) = 719.32	
11	120+76	32.9' RT	MANHOLE	4' - DIA	CLOSED LID	725.11		12" (N) = 719.29	12" (E) = 710.20
12	30+43	38.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS					12" (W) = 686.3	
13	30+23	38.9' LT	CATCH BASIN TYPE A	4' - DIA	OPEN LID	689.61		12" (W) = 685.50	12" (E) = 686.21
14	29+20	41.1' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS					12" (W) = 685.00	

STORM SEWERS SCHEDULE

PIPE NUMBER	PIPE TYPE	DIAMETER (IN)	LENGTH (FT)	SLOPE (%)	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CU YD)
10	STORM SEWER, CLASS A, TYPE 1	12	6	0.50	10	11	719.32	719.29	5
11	STORM SEWER, CLASS A, TYPE 1	15	188	4.90	11	Exist. Manhole	719.20	710.00	171
12	STORM SEWER, CLASS A, TYPE 1	12	11	0.50	12	13	686.30	686.25	2
13	STORM SEWER, CLASS A, TYPE 1	12	96	0.50	13	14	685.50	685.00	21
								TOTAL	200

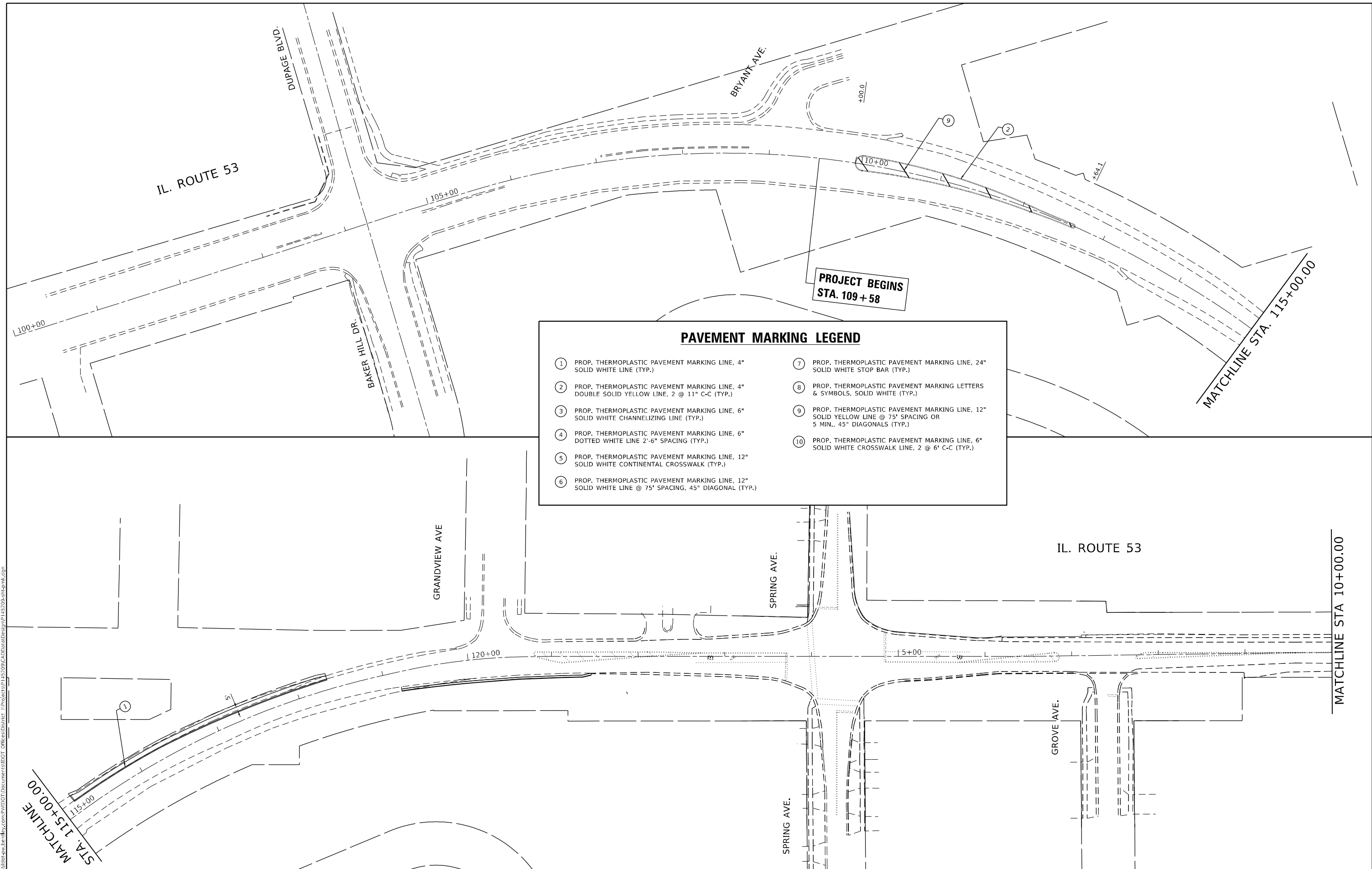
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PIPES AND STRUCTURES SCHEDULE IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	41
			CONTRACT NO. 60T22	
		ILLINOIS	FED. AID PROJECT	



PAVEMENT MARKING LEGEND

<ul style="list-style-type: none"> ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID WHITE LINE (TYP.) ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE CHANNELIZING LINE (TYP.) ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED WHITE LINE 2'-6" SPACING (TYP.) ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE CONTINENTAL CROSSWALK (TYP.) ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE LINE @ 75' SPACING, 45° DIAGONAL (TYP.) 	<ul style="list-style-type: none"> ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR (TYP.) ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.) ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID YELLOW LINE @ 75' SPACING OR 5 MIN., 45° DIAGONALS (TYP.) ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

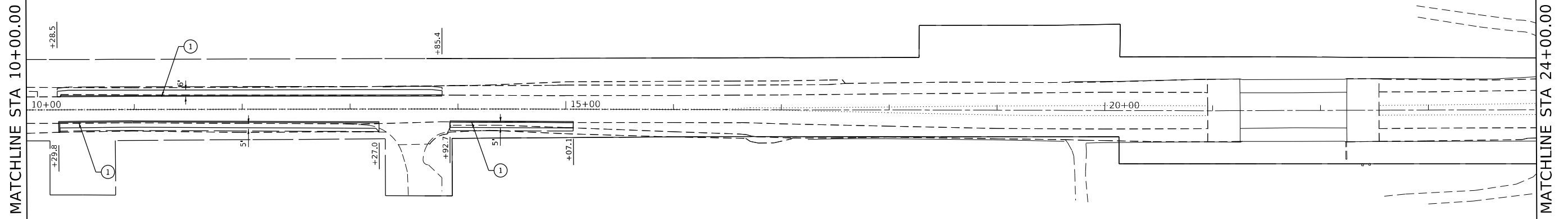
PAVEMENT MARKING PLAN	
IL. ROUTE 53 AT PARKVIEW BOULEVARD/SURREY LANE	
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 42
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

IL. ROUTE 53

MATCHLINE STA 10+00.00

MATCHLINE STA 24+00.00



PAVEMENT MARKING LEGEND

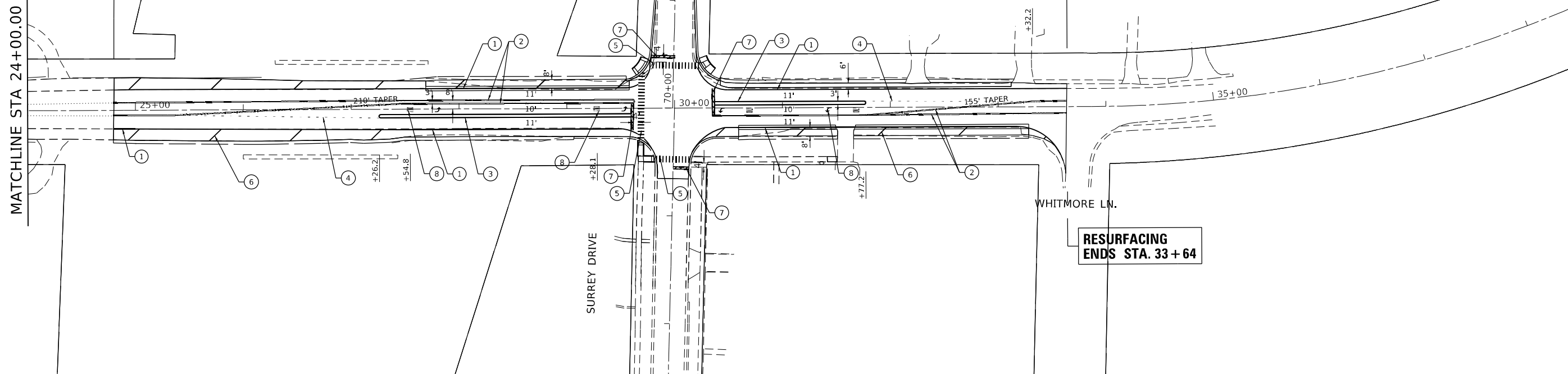
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|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID WHITE LINE (TYP.) | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE CHANNELIZING LINE (TYP.) | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID YELLOW LINE @ 75' SPACING OR 5 MIN., 45° DIAGONALS (TYP.) |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED WHITE LINE 2'-6" SPACING (TYP.) | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.) |
| ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE CONTINENTAL CROSSWALK (TYP.) | |
| ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE LINE @ 75' SPACING, 45° DIAGONAL (TYP.) | |

RESURFACING BEGINS STA. 24+80

IL. ROUTE 53

PROJECT ENDS STA. 33+64

MATCHLINE STA 24+00.00



RESURFACING ENDS STA. 33+64

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL. ROUTE 53 AT PARKVIEW BOULEVARD/SURREY LANE

USER NAME = aya.elkhatib	DESIGNED -	REVISED -
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	DATE -	REVISED -

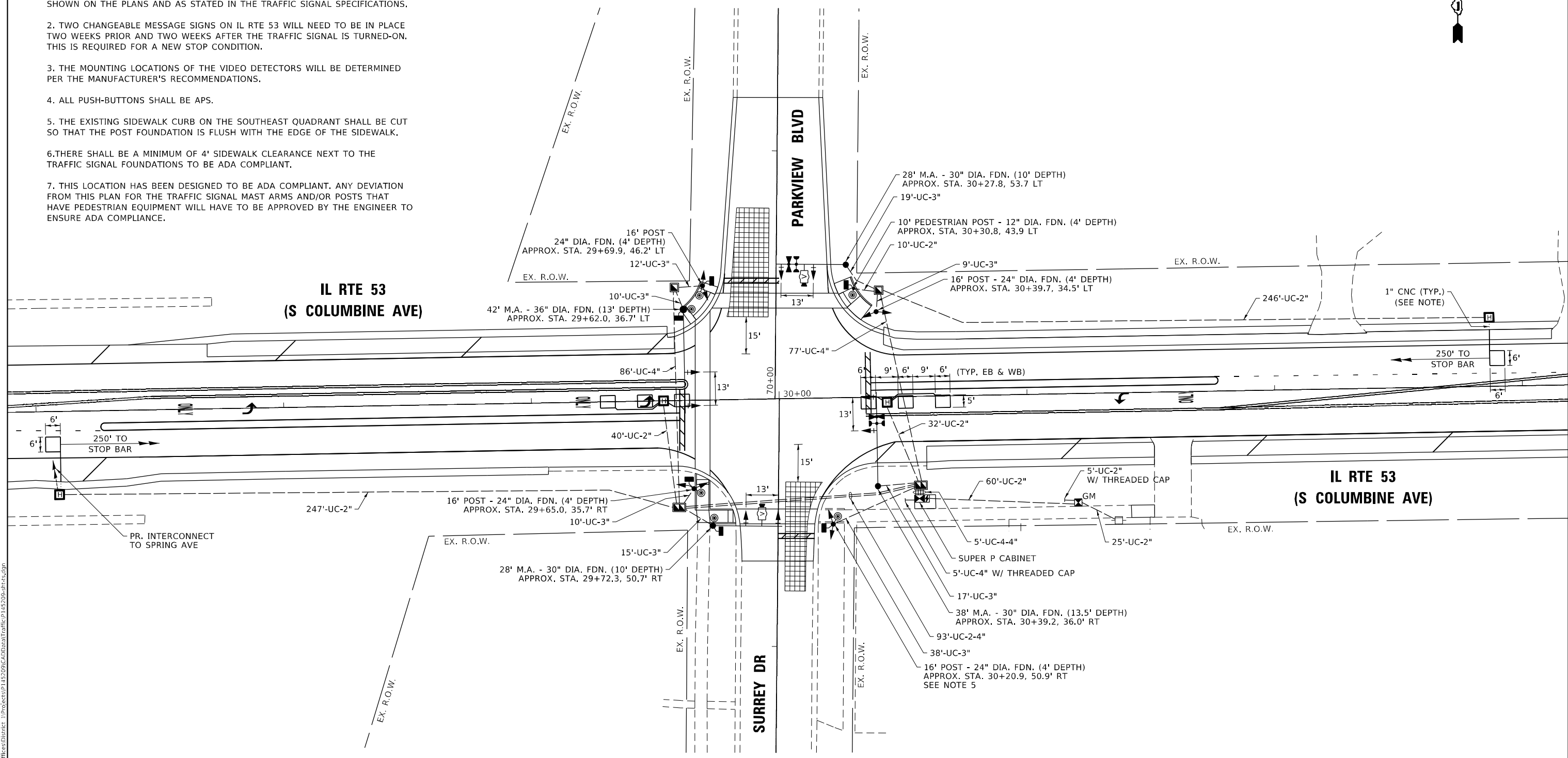
SCALE: 1"= 50' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2016-048TS	DUPAGE	75	43
CONTRACT NO. 60T22				

ILLINOIS FED. AID PROJECT

NOTES:

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 AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. TWO CHANGEABLE MESSAGE SIGNS ON IL RTE 53 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.
3. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. ALL PUSH-BUTTONS SHALL BE APS.
5. THE EXISTING SIDEWALK CURB ON THE SOUTHEAST QUADRANT SHALL BE CUT SO THAT THE POST FOUNDATION IS FLUSH WITH THE EDGE OF THE SIDEWALK.
6. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
7. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.



TS SHT NO. 9

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**TS 22272
ECON 104**

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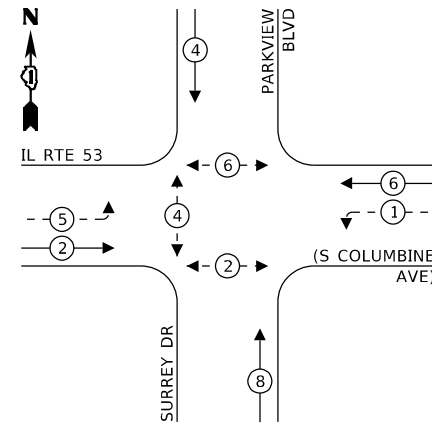
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 53 (S COLUMBINE AVE) AT SURREY DR /PARKVIEW BLVD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 44
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

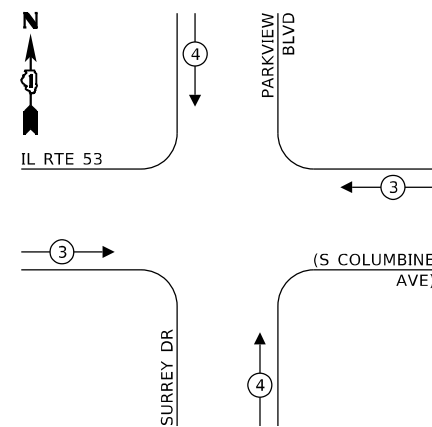
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

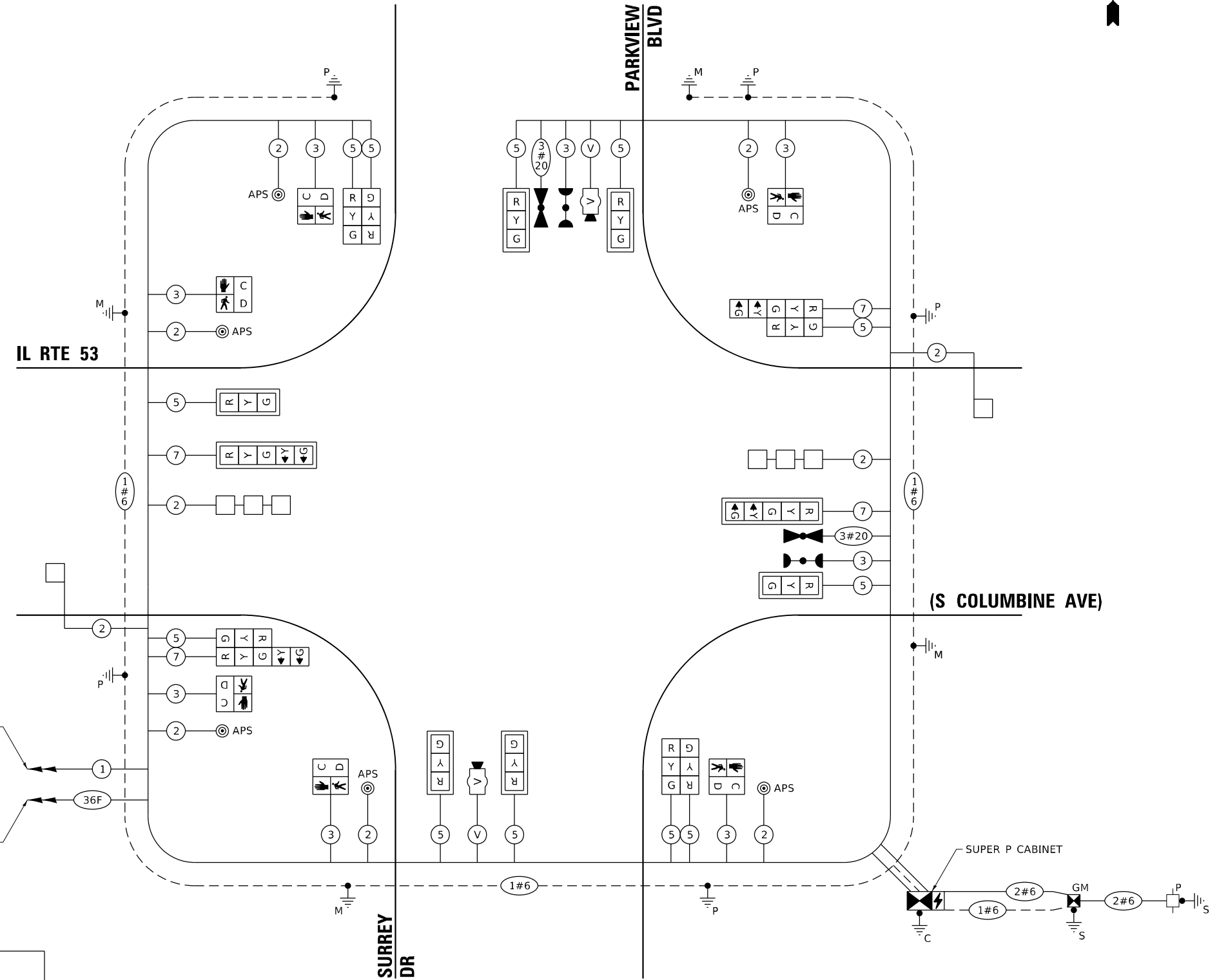
- 1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING	489		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1,094		

ENERGY COSTS TO:
 VILLAGE OF GLEN ELLYN
 535 DUANE STREET
 GLEN ELLYN, IL 60137

ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 32544-65000
 METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 10

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

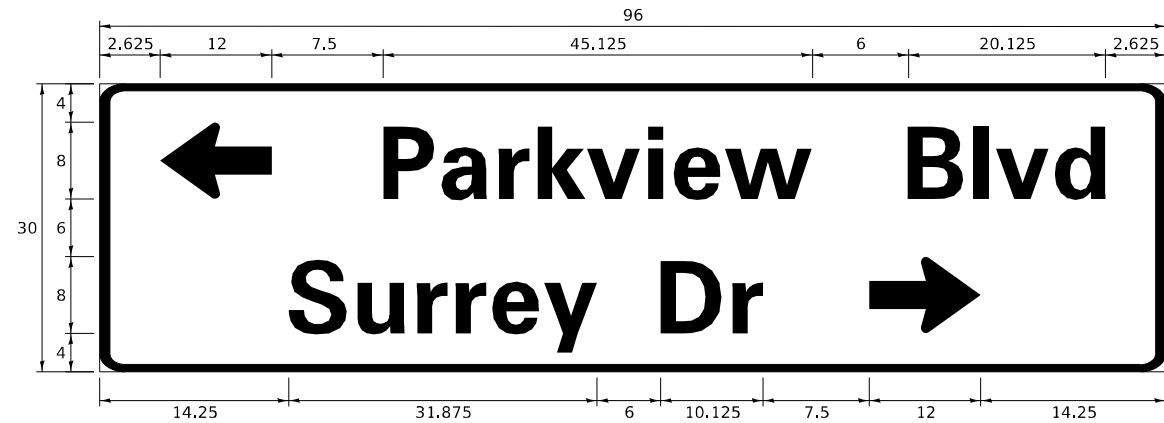
**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 53 (S COLUMBINE AVE) AT SURREY DR /PARKVIEW BLVD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	45
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	

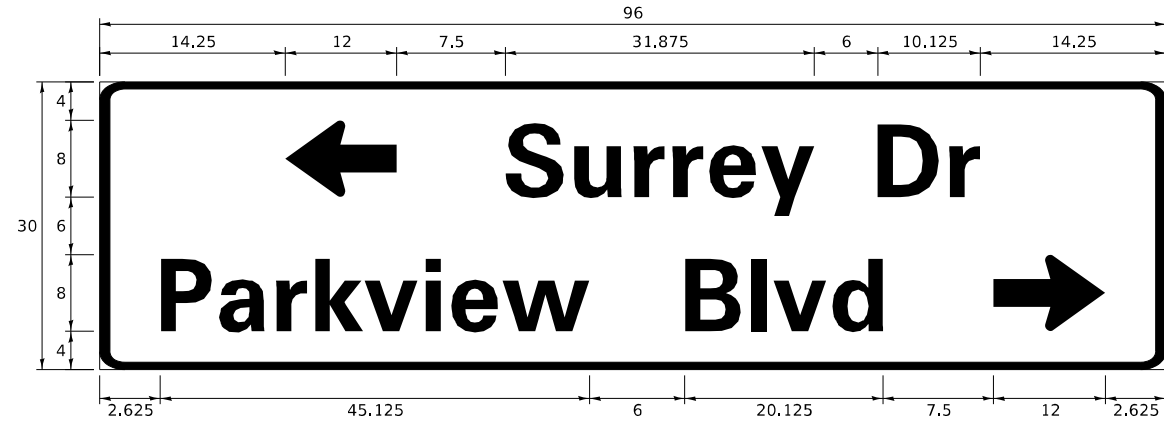
**TS 22272
 ECON 104**

SIGN PANEL – TYPE 2

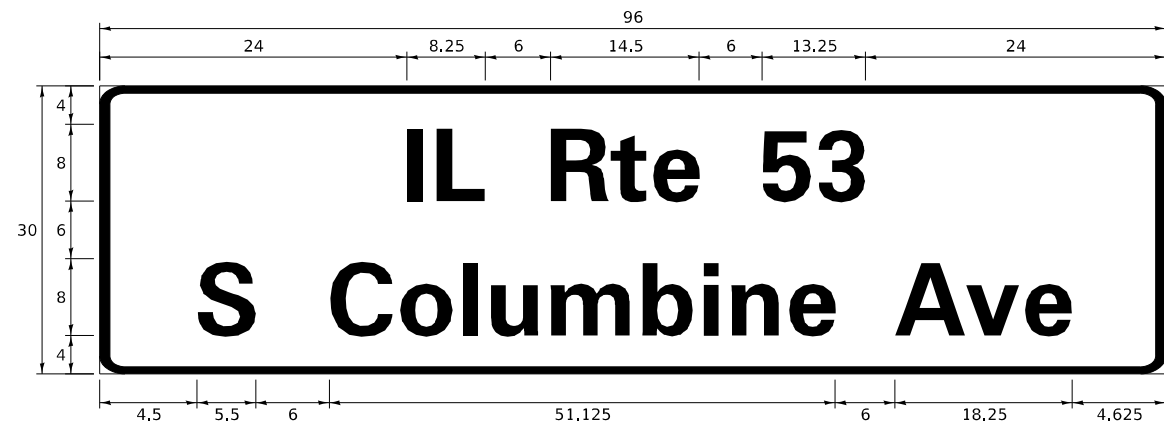
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	20	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	20	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	20	2	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 2	SQ FT	80
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	665
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	130
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	374
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	995
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,280
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,035
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	690
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	980
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	130
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	650
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	33.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
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, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	250
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	260
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
LED SIGNAL FACE, LENS COVER	EACH	16
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* 100% COST TO THE VILLAGE OF LOMBARD

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

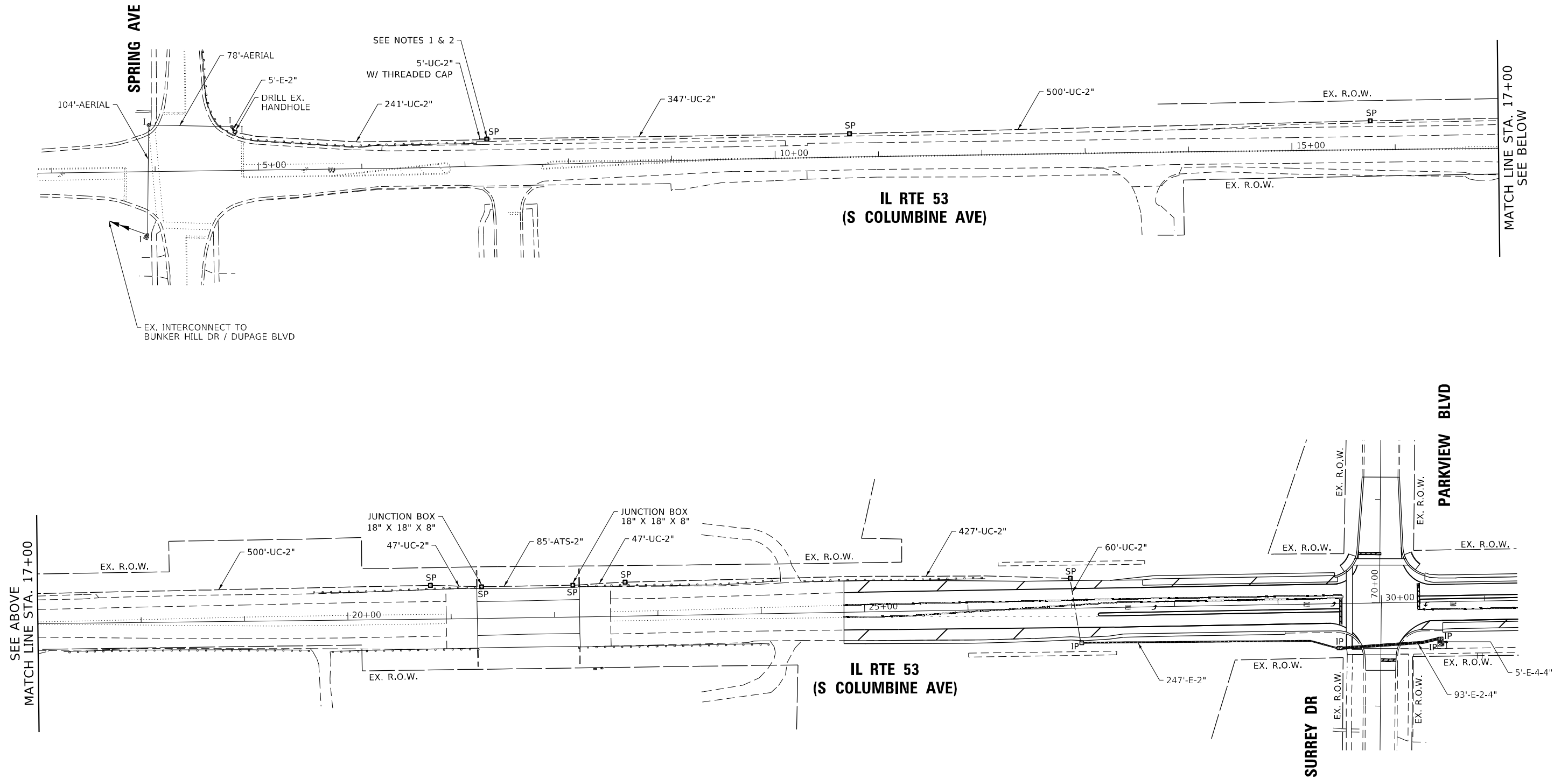
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 53 (S COLUMBINE AVE) AT SURREY DR /PARKVIEW BLVD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	46
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

TS 22272
ECON 104

NOTES:

1. THE CONTRACTOR SHALL COIL 50' ADDITIONAL SLACK OF THE PROPOSED FIBER OPTIC CABLE IN THE PROPOSED HANDHOLE AT APPROXIMATE STATION 7+22.
2. THE LOCATION OF THE PROPOSED HANDHOLE AT APPROXIMATE STATION 7+22 SHALL NOT DEVIATE WITHOUT APPROVAL OF THE ENGINEER. THIS HANDHOLE WILL BE REQUIRED ON A FUTURE CONTRACT.



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PLOT DATE = 9/10/2024	DATE - 8/10/2024	REVISED -

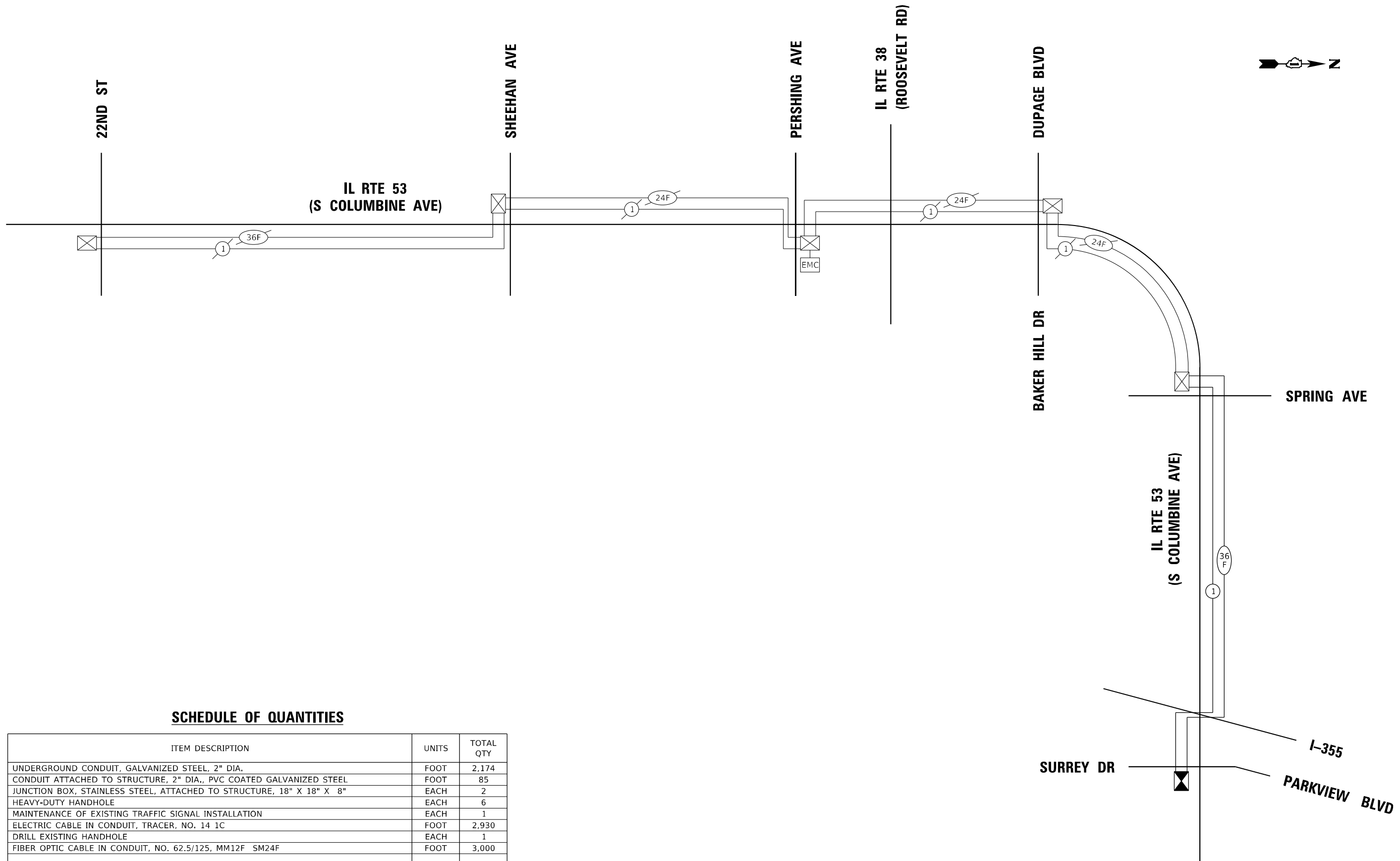
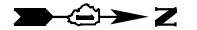
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
 IL RTE 53 (S COLUMBINE AVE) –
 SPRING AVE TO SURREY DR /PARKVIEW BLVD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T22	

ECON 104



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,174
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	85
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2
HEAVY-DUTY HANDHOLE	EACH	6
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,930
DRILL EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,000

TS SHT NO. 13

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ECON 104

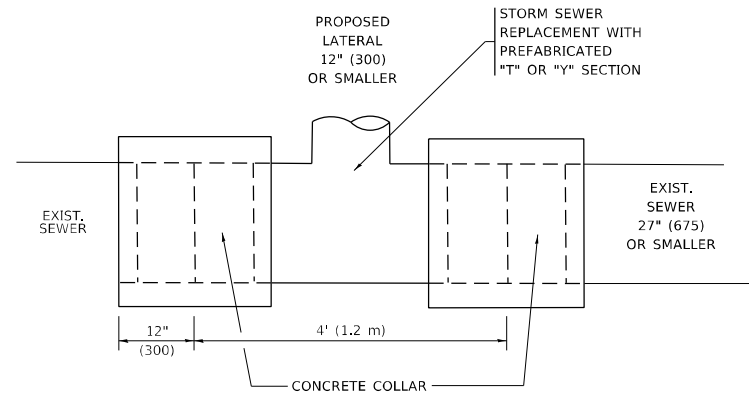
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PLOT DATE = 9/10/2024	DATE - 8/10/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL RTE 53 (S COLUMBINE AVE) -
22ND ST TO SURREY DR /PARKVIEW BLVD**

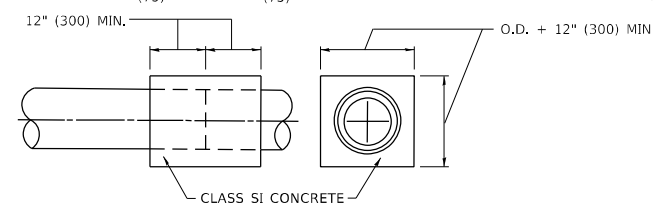
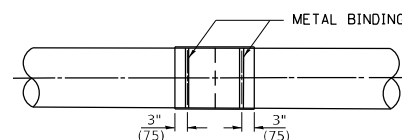
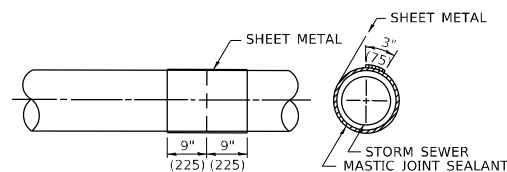
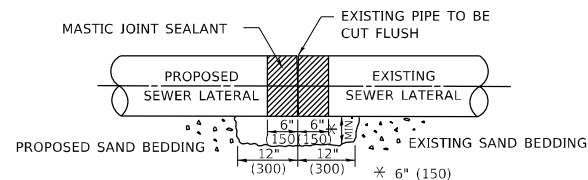
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	48
CONTRACT NO. 60T22			ILLINOIS FED. AID PROJECT	



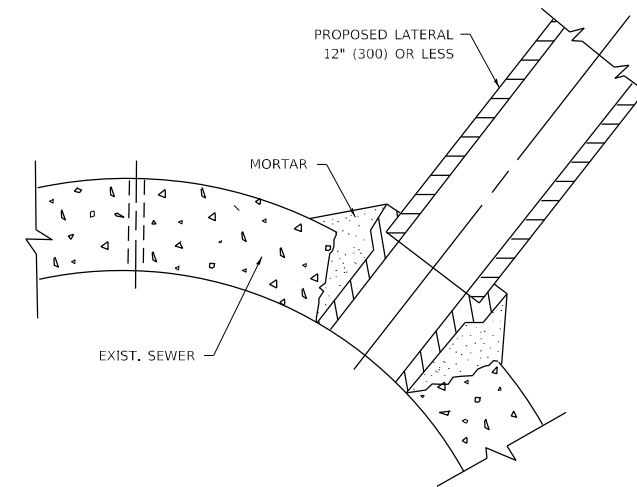
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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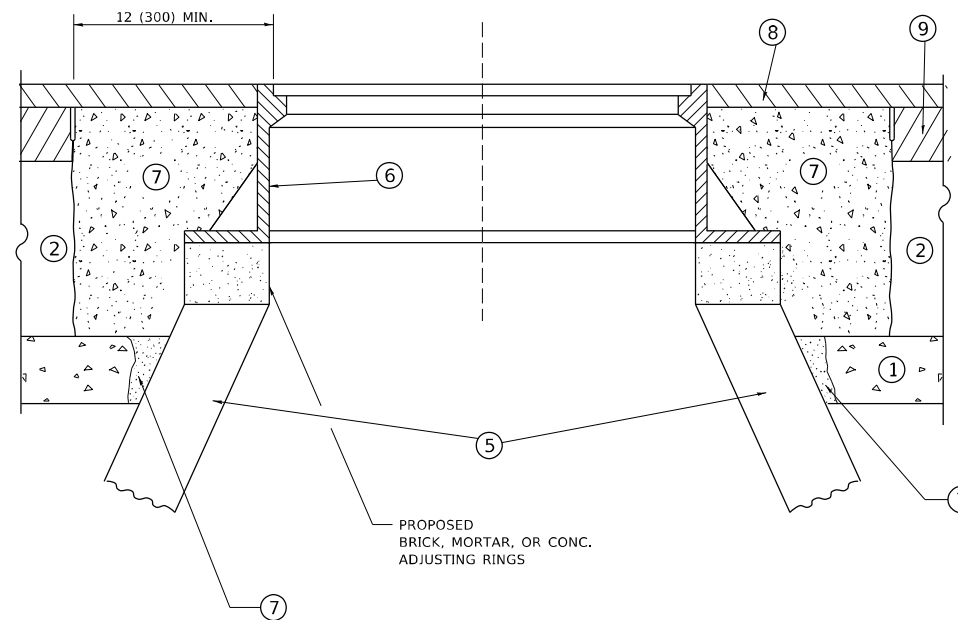
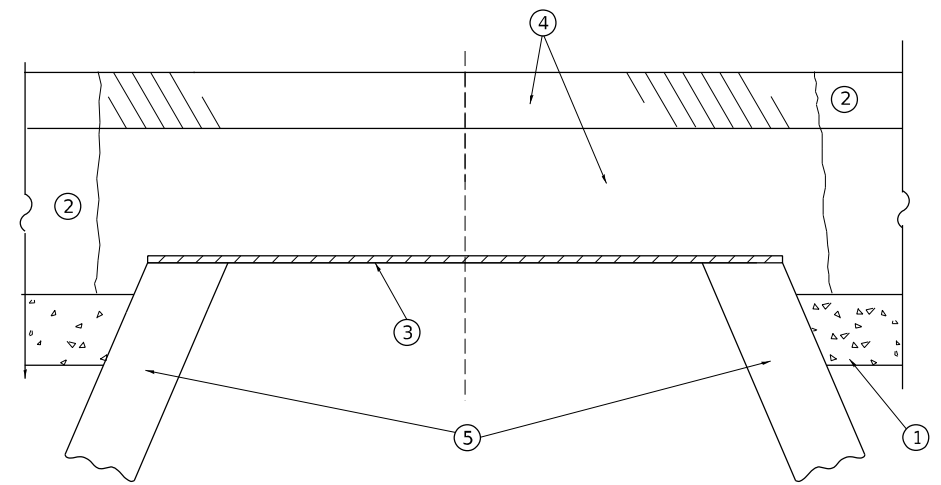
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 8/20/2024	DATE - 07-25-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	49
BD500-01 (BD-07)			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-2* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

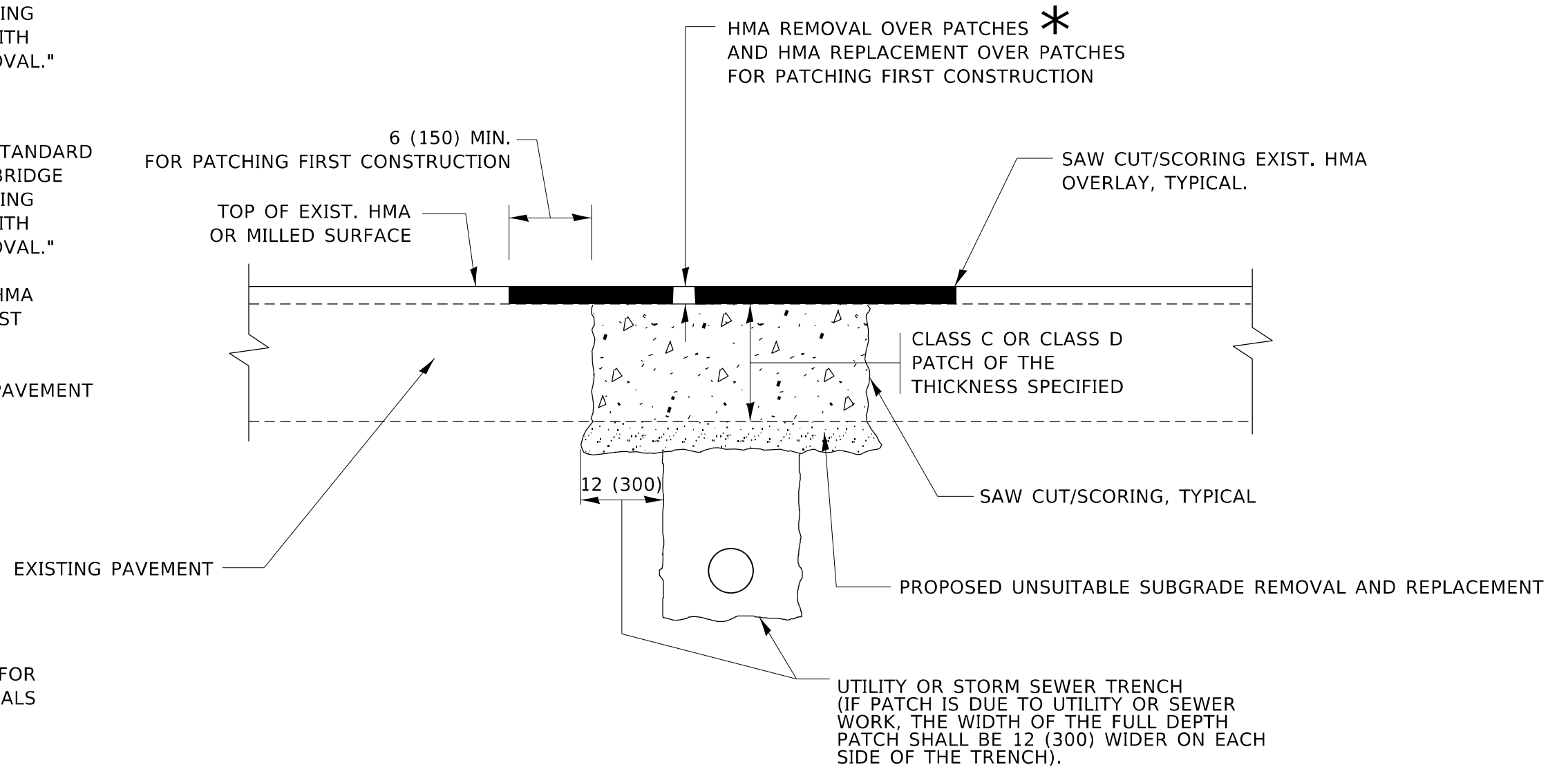
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BD600-03 (BD-08)			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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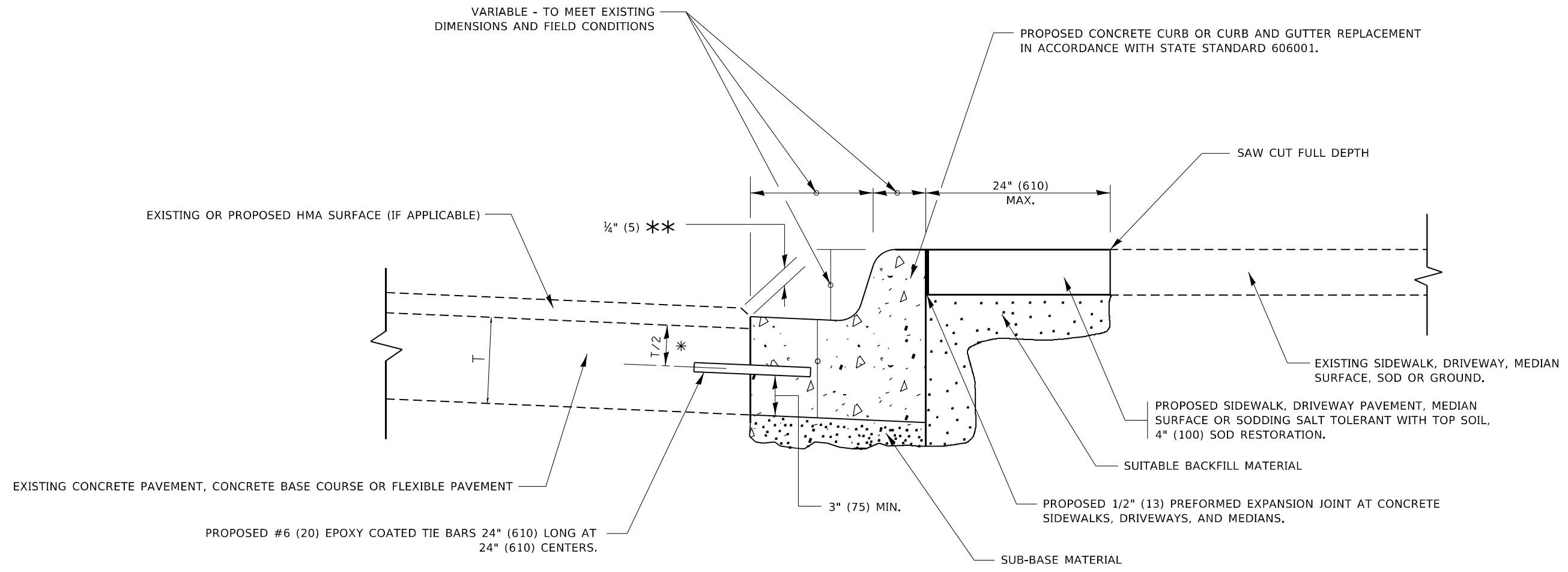
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PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	51
BD400-04 (BD-22)			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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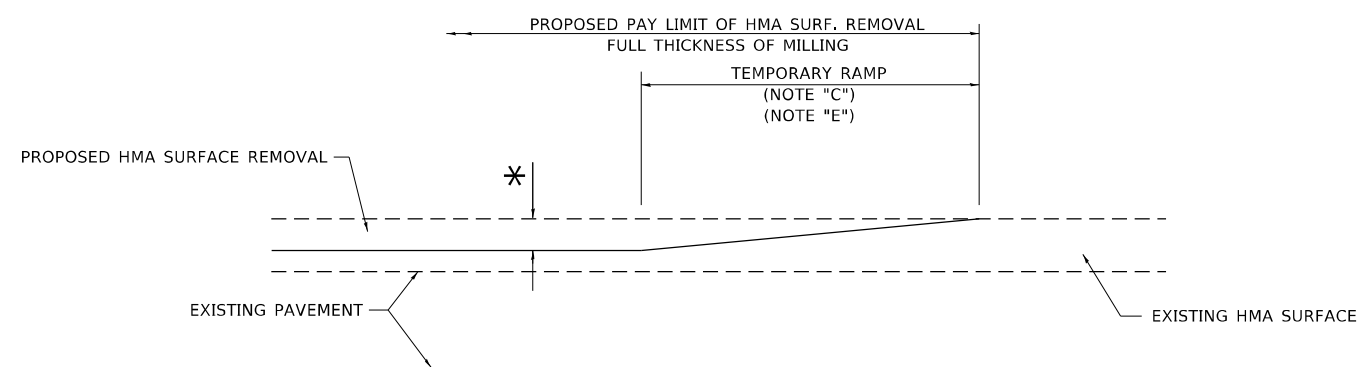
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PLOT DATE = 8/20/2024	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

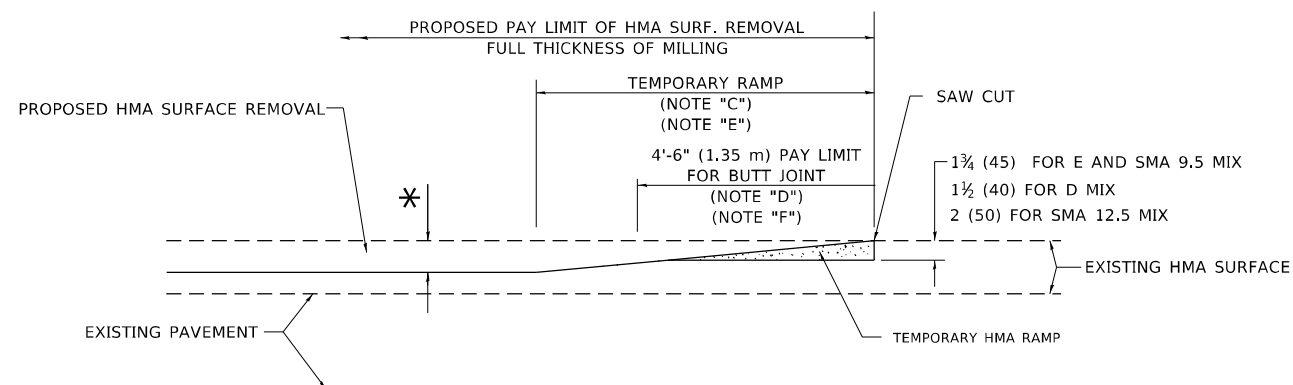
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BD600-06 (BD-24)		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

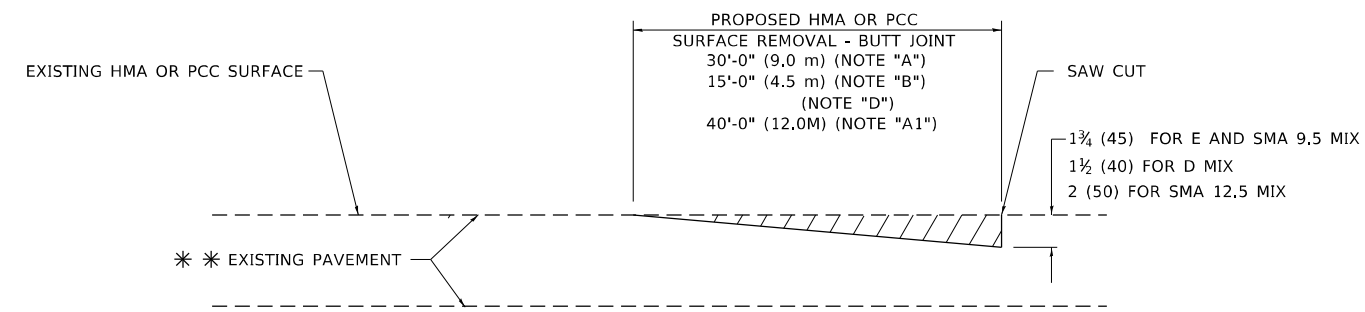


HMA CONSTRUCTED TEMPORARY RAMP

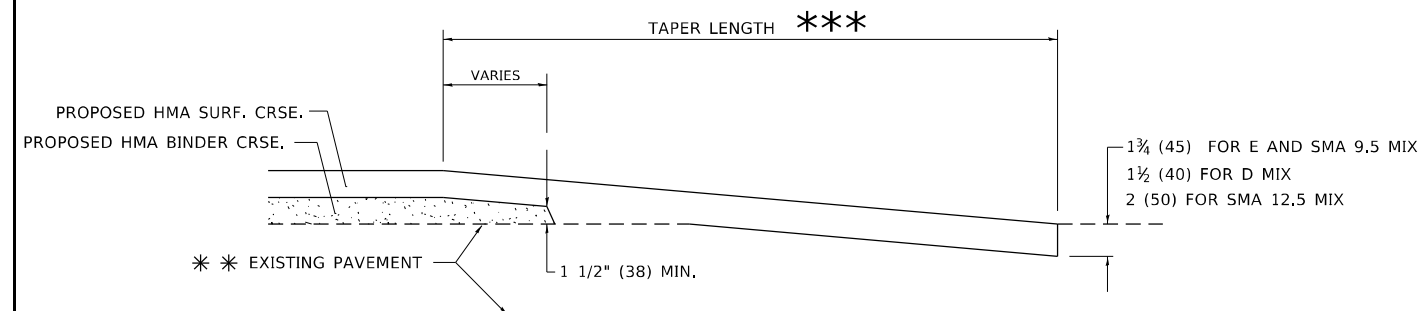
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

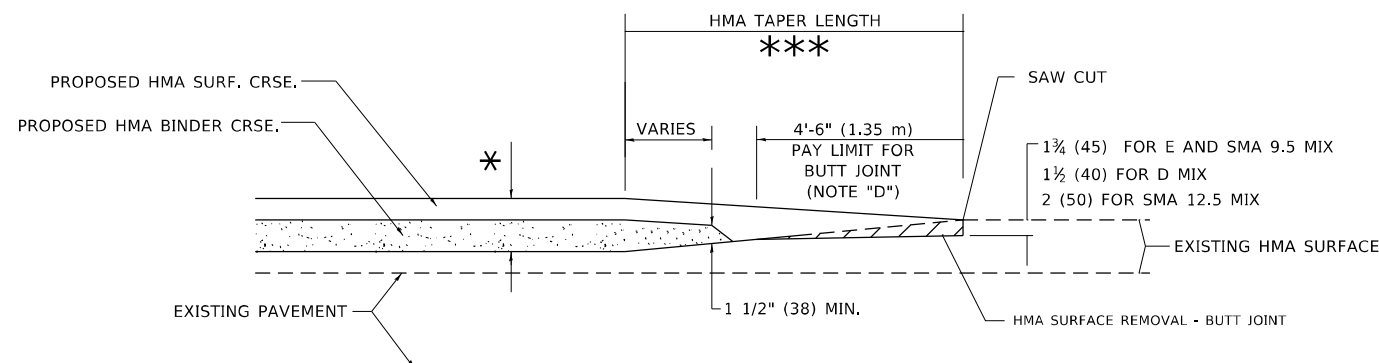
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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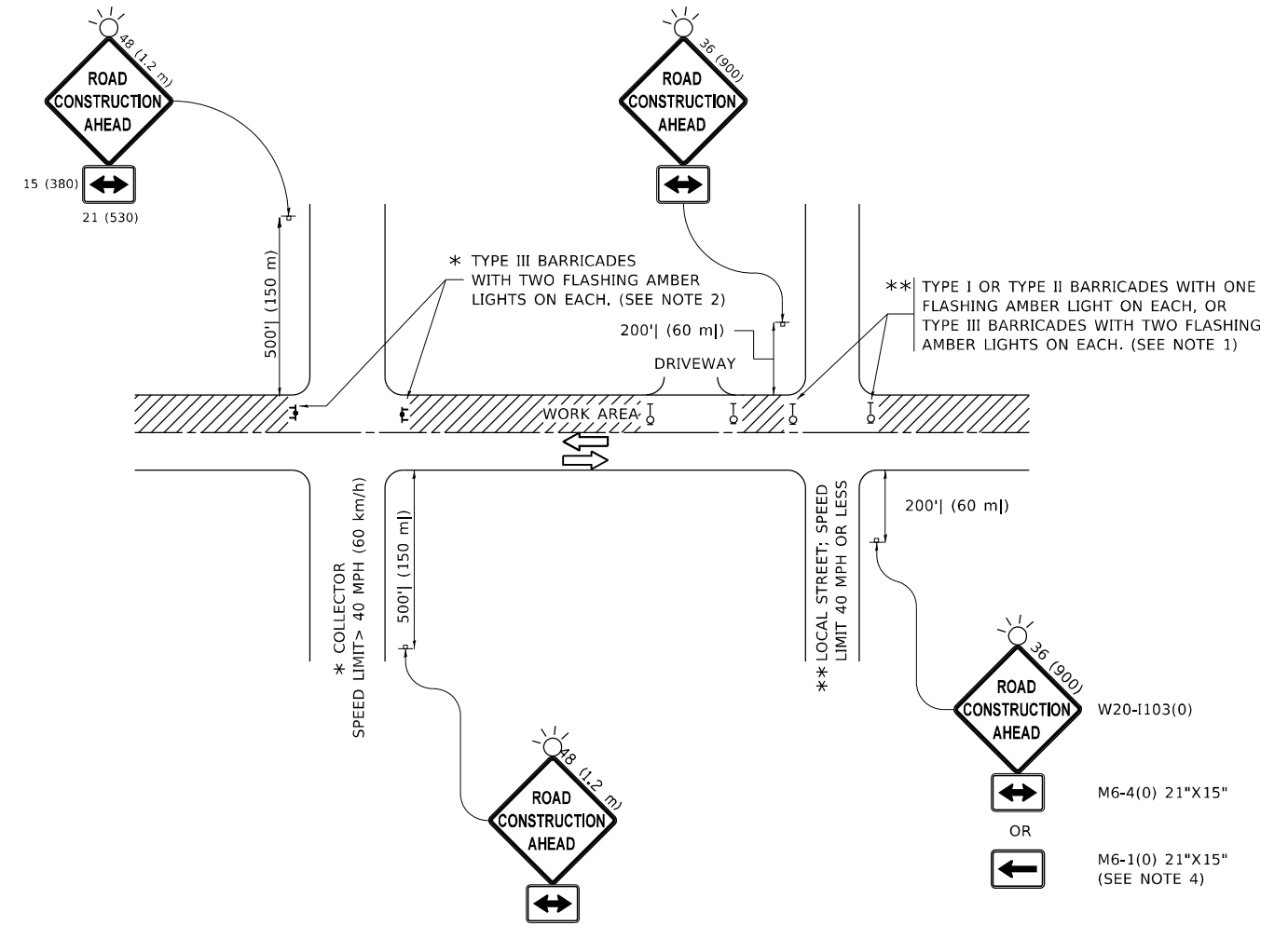
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 8/20/2024	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	53
BD400-05 BD-32		CONTRACT NO.60T22		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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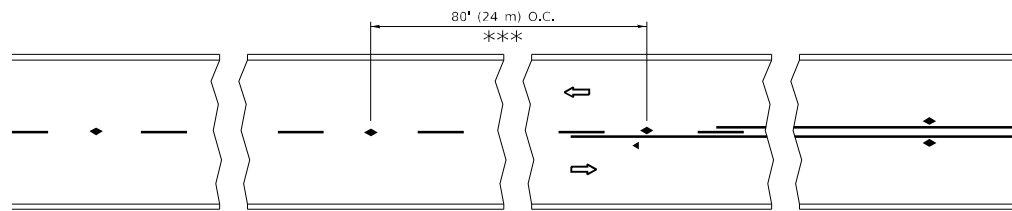
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PLOT DATE = 8/20/2024	DATE - 06-89	REVISED - D. SENDRAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

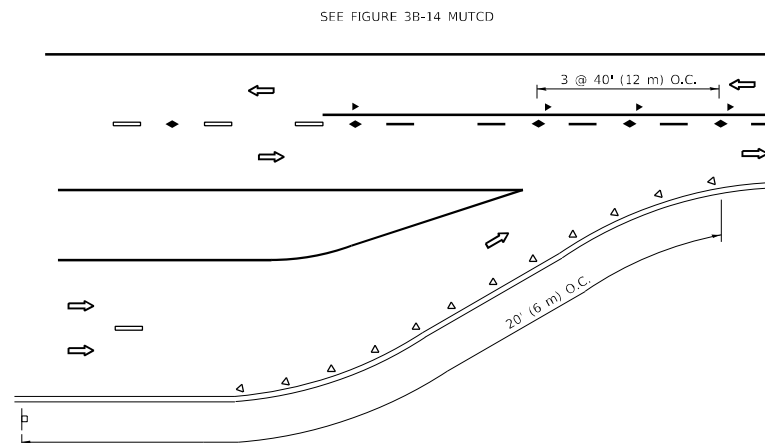
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TC-10		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				

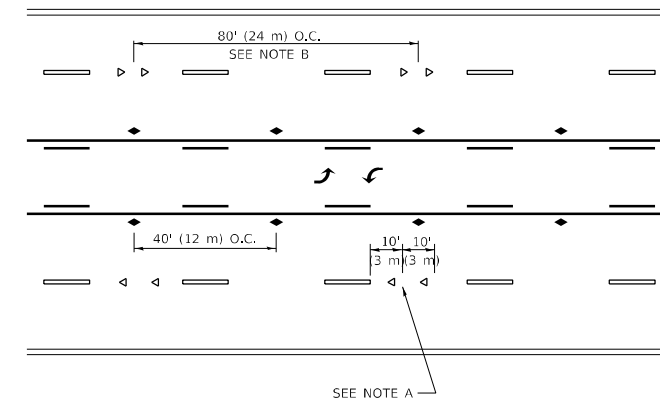


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

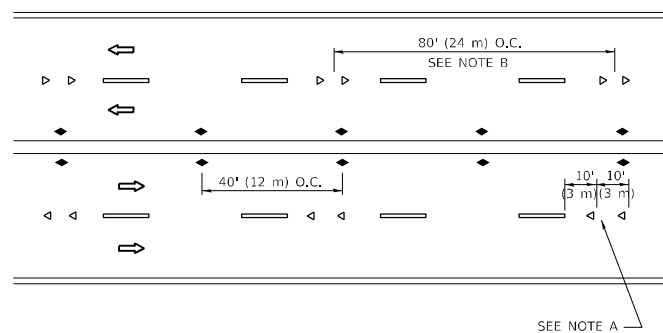
TWO-LANE/TWO-WAY



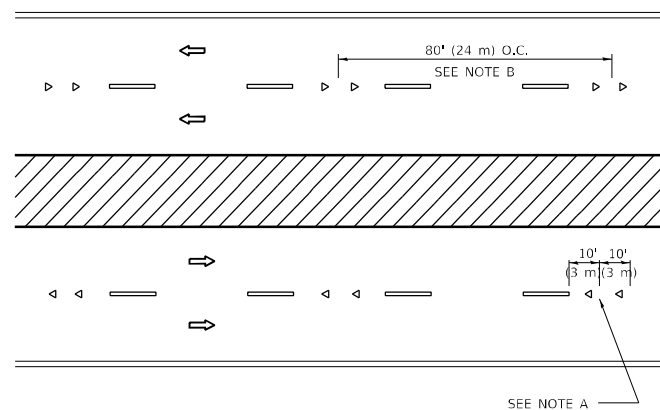
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES.

SYMBOLS

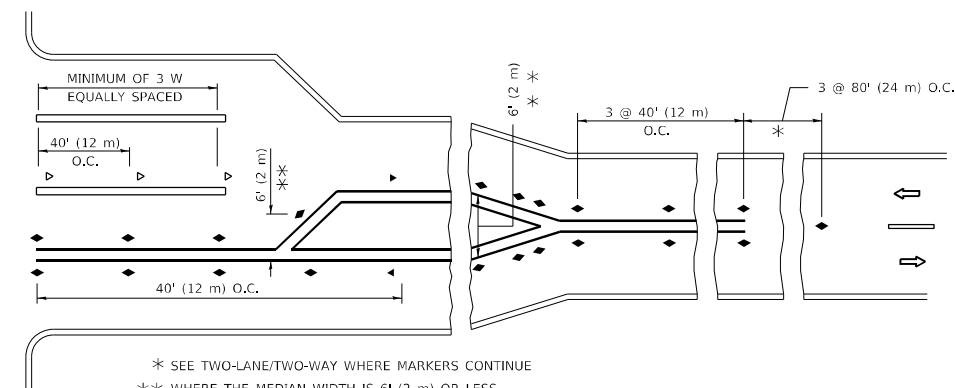
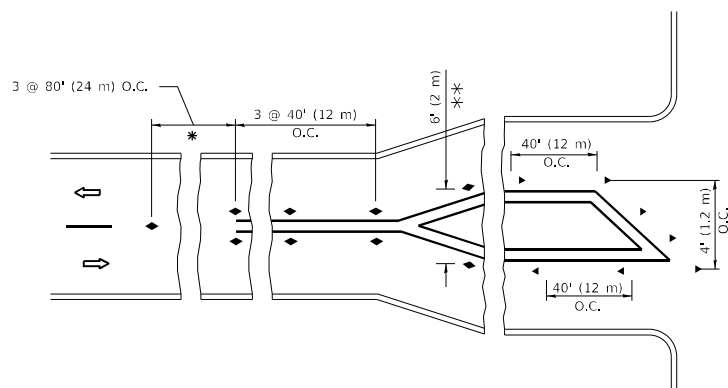
- YELLOW STRIPE
- ▬ WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

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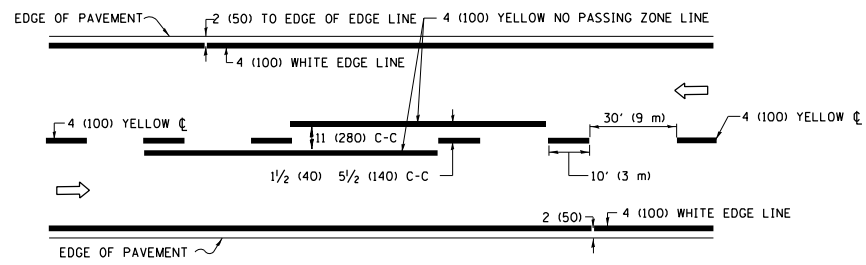
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

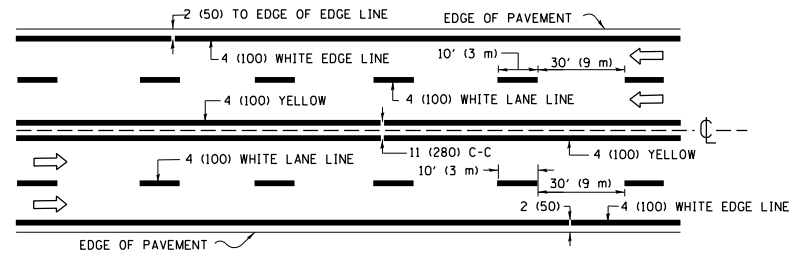
TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

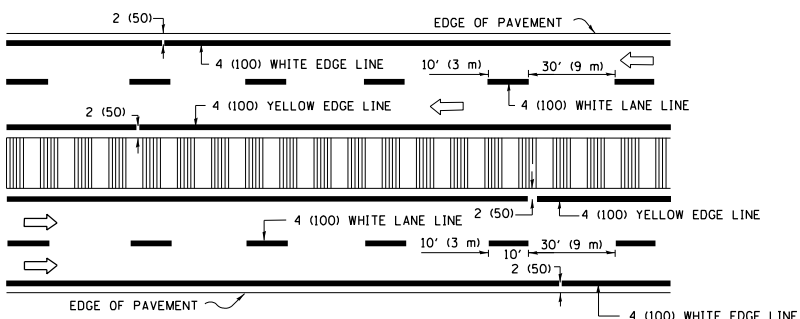
F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 55
TC-11		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

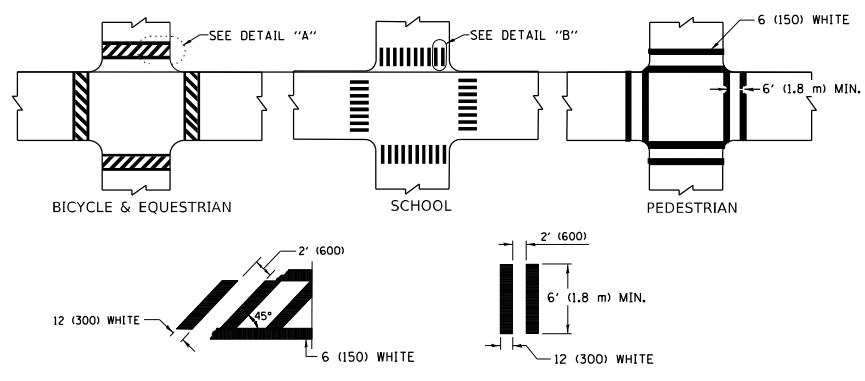


MULTI-LANE UNDIVIDED



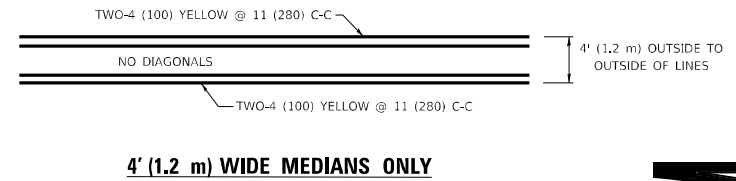
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

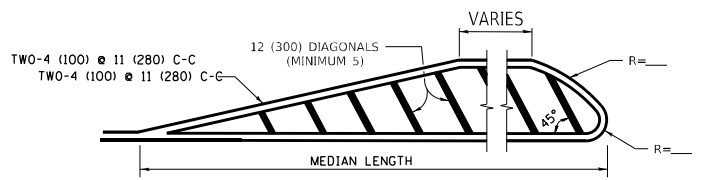


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

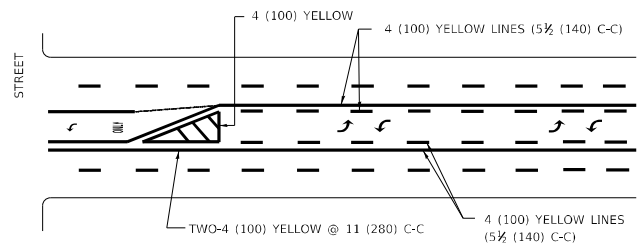


4' (1.2 m) WIDE MEDIANS ONLY

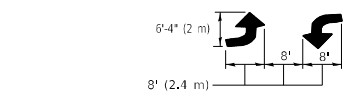


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



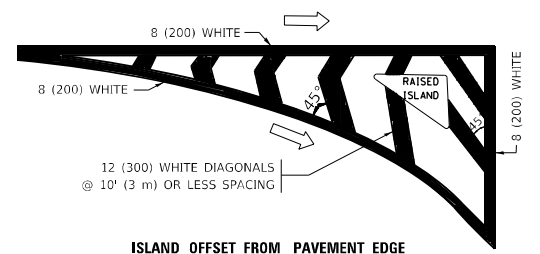
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



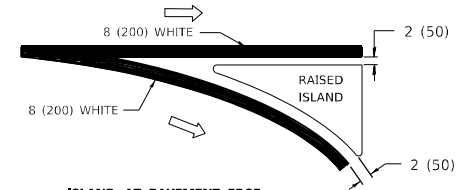
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

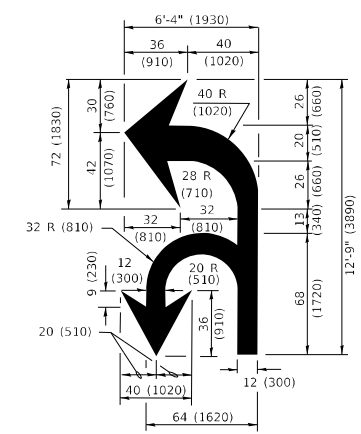


ISLAND OFFSET FROM PAVEMENT EDGE

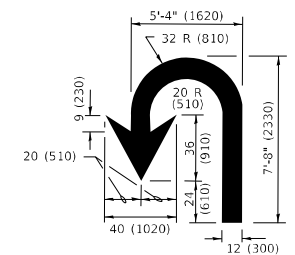


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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DRAWN -	REVISED - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 8/20/2024	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	56
TC-13		CONTRACT NO.60T22		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

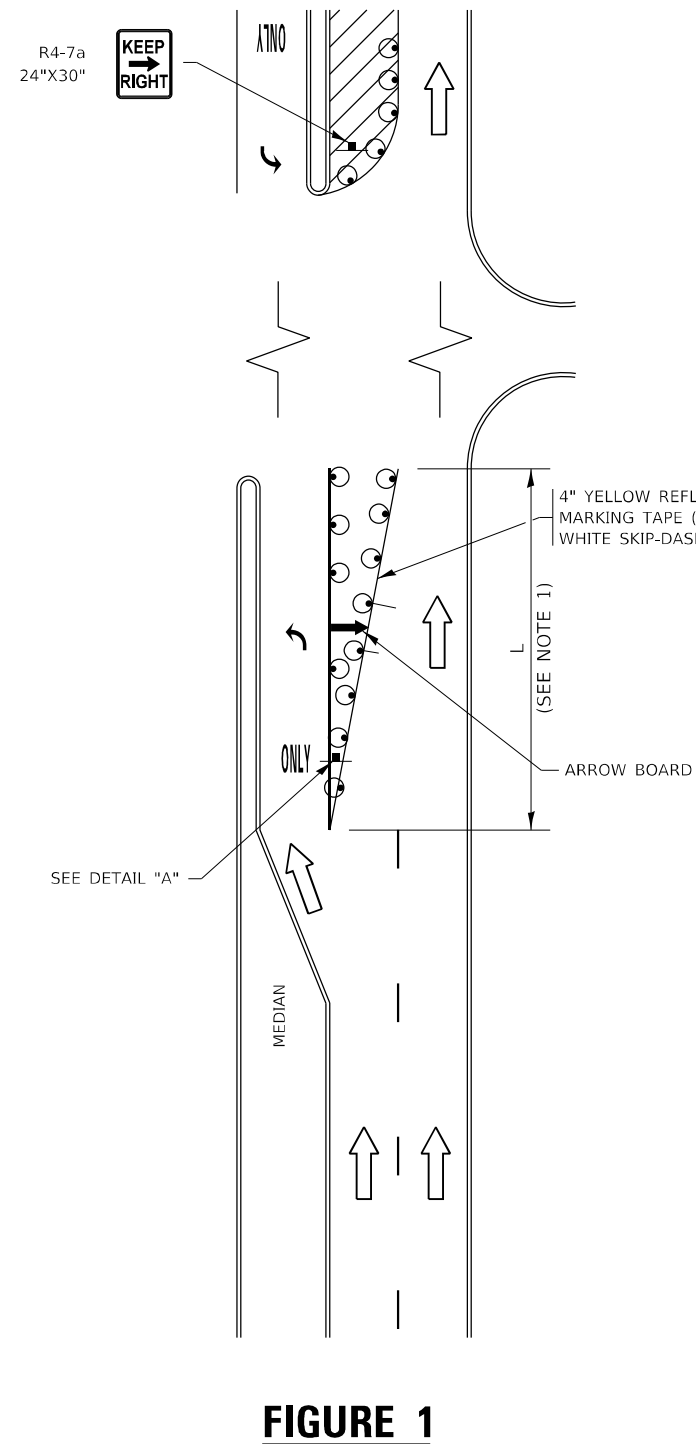
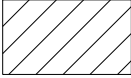








FIGURE 1

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

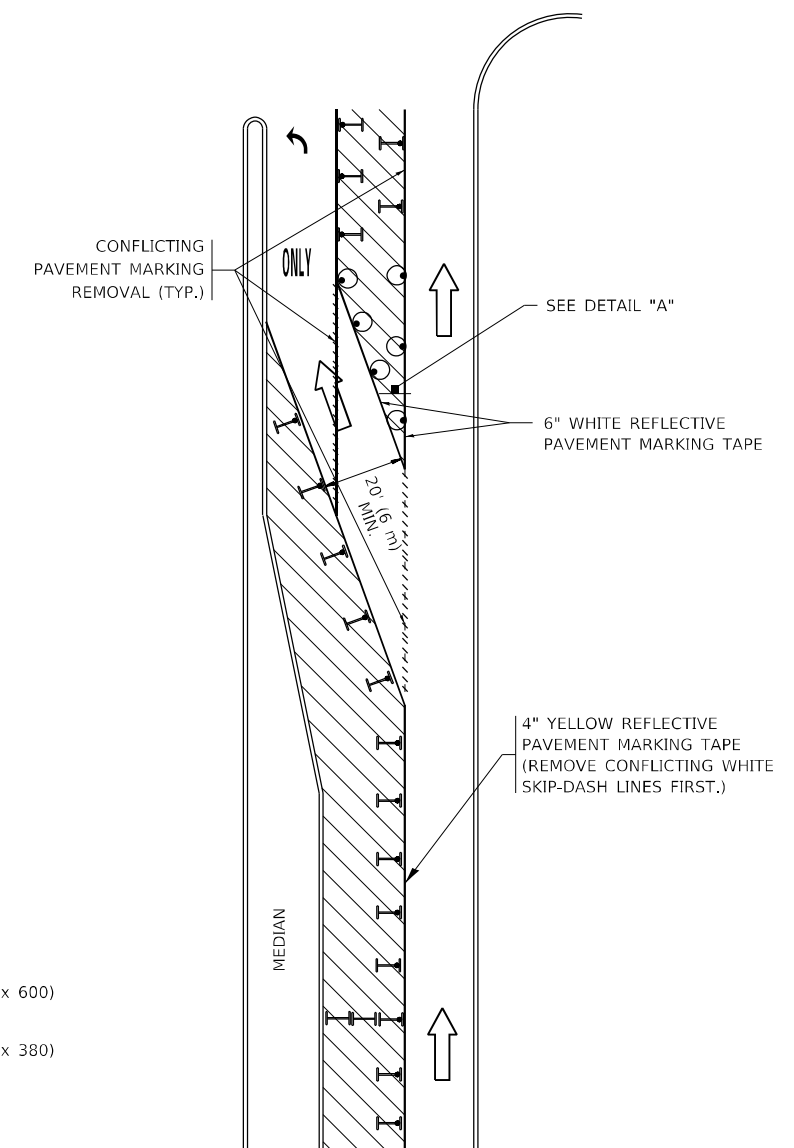
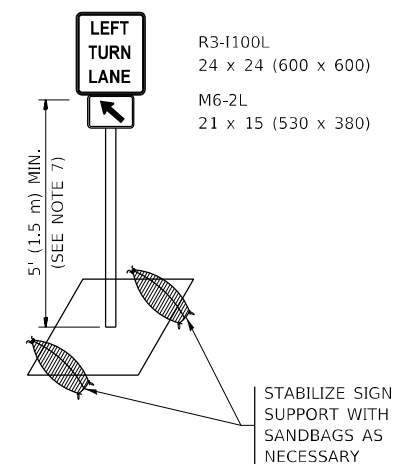


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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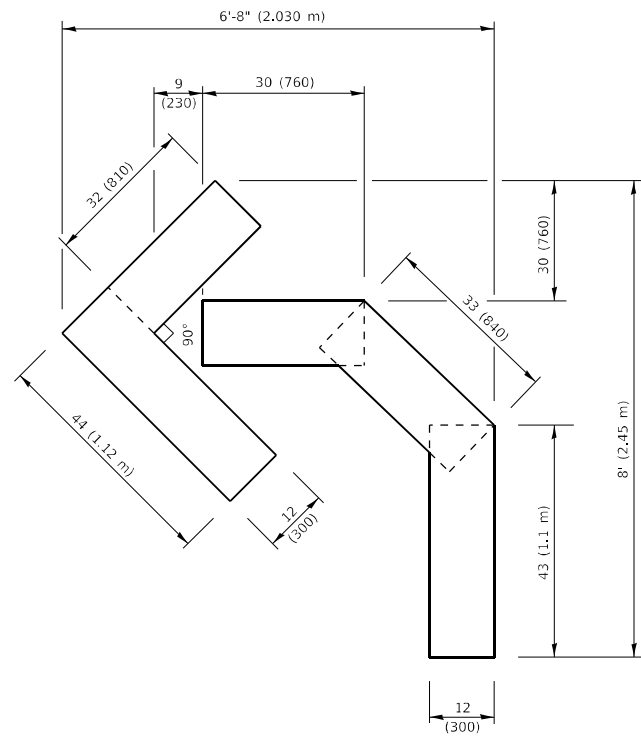
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 8/20/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

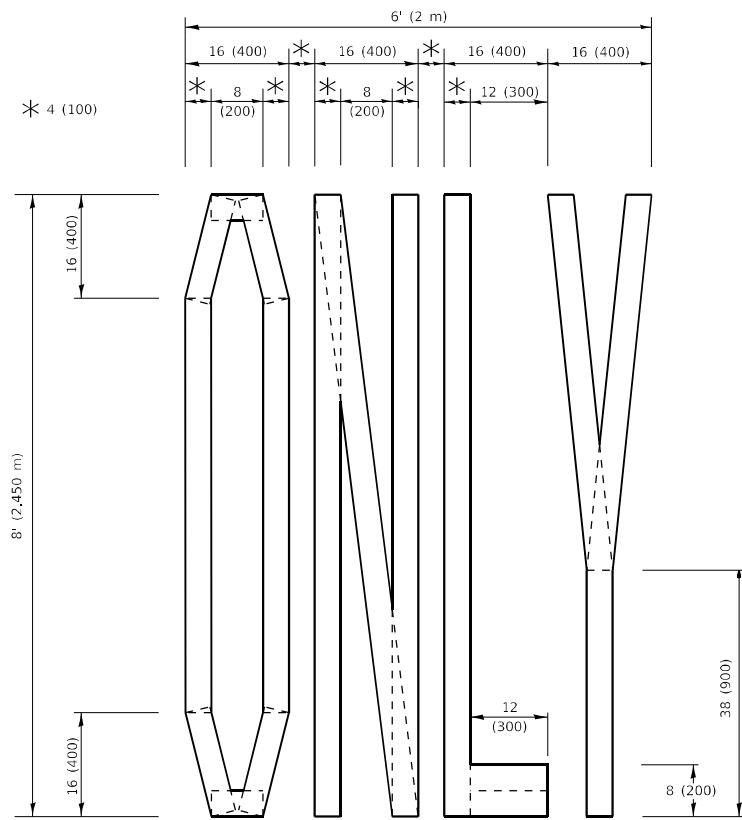
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F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 57
TC-14			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				



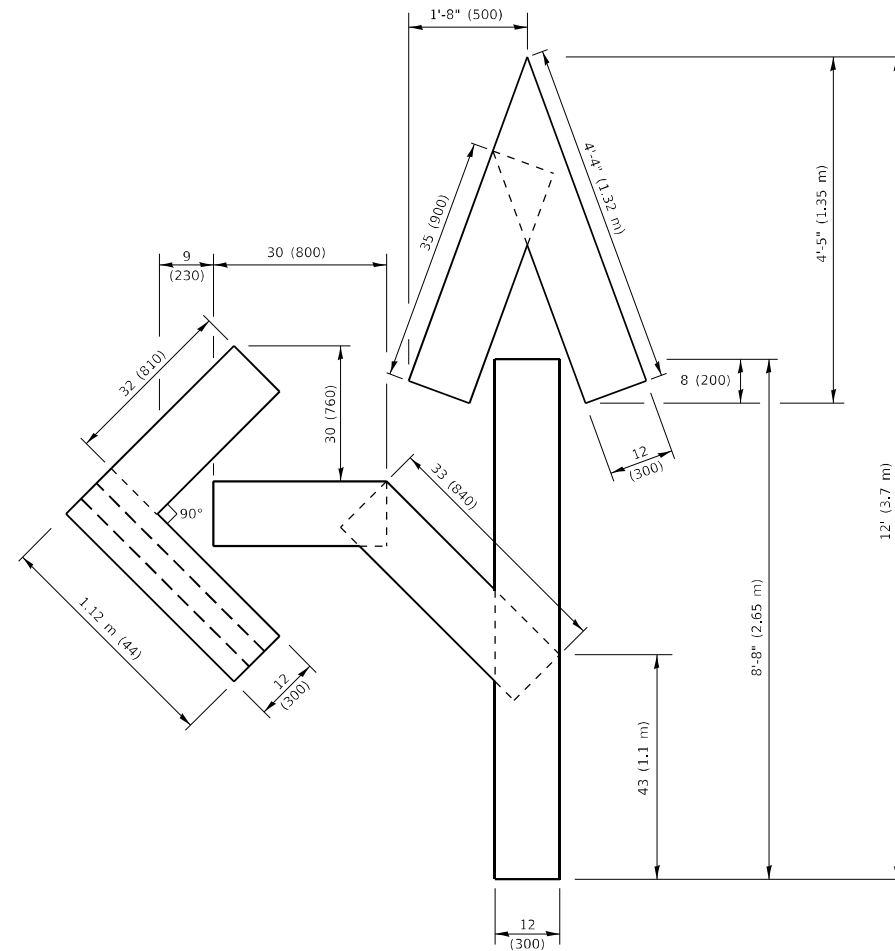
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

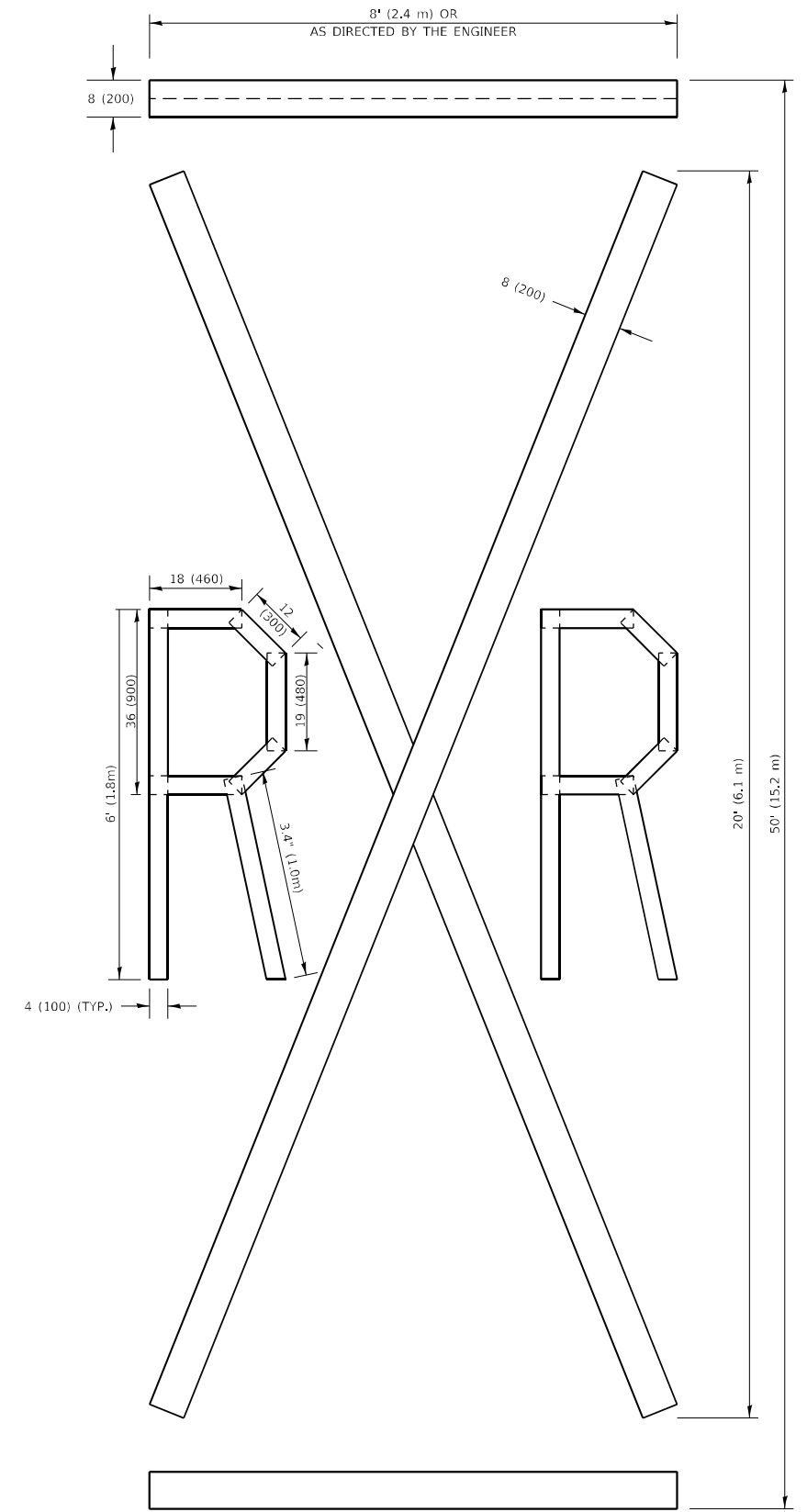


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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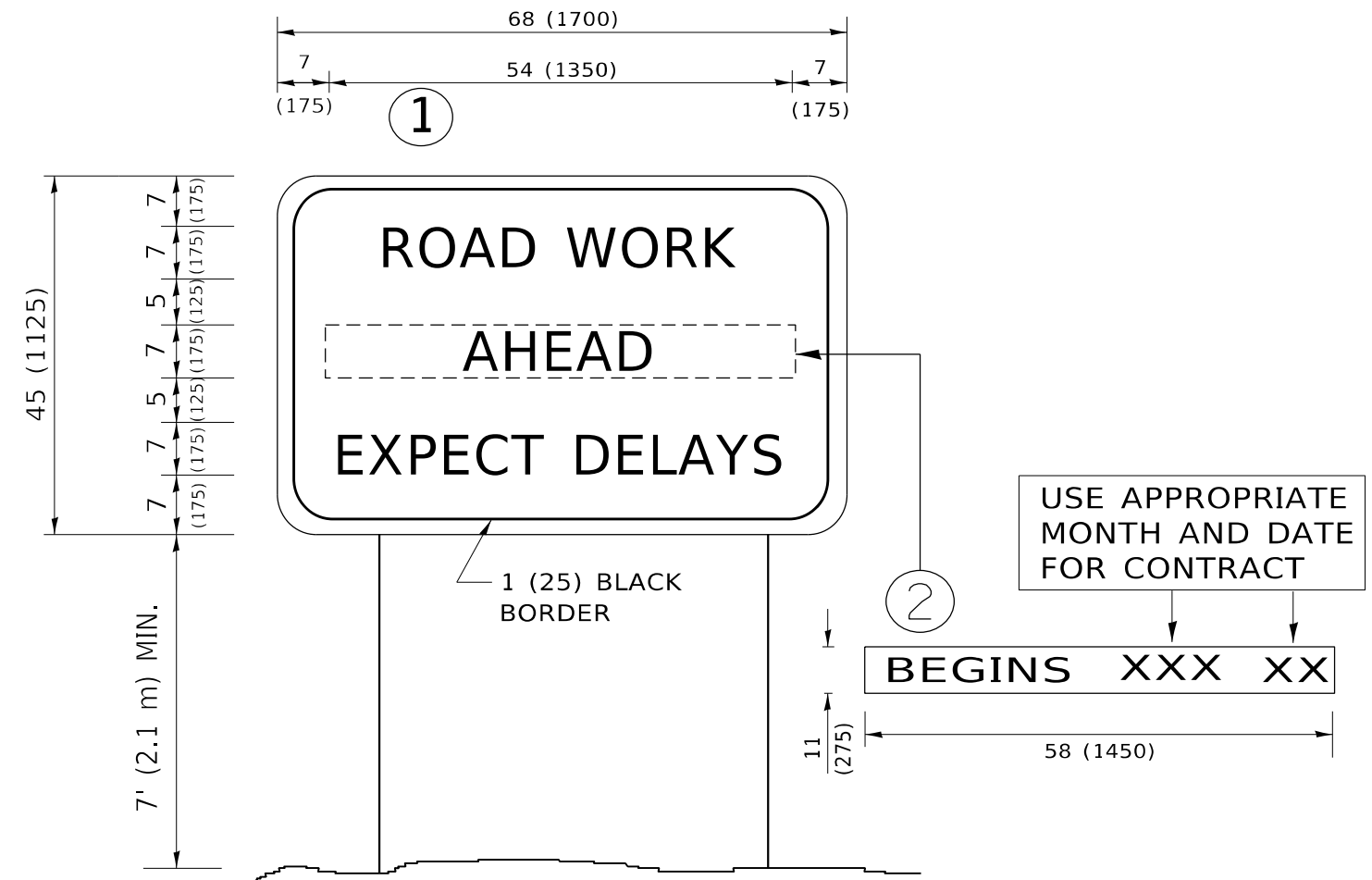
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 8/20/2024	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	58
TC-16			CONTRACT NO.60T22	
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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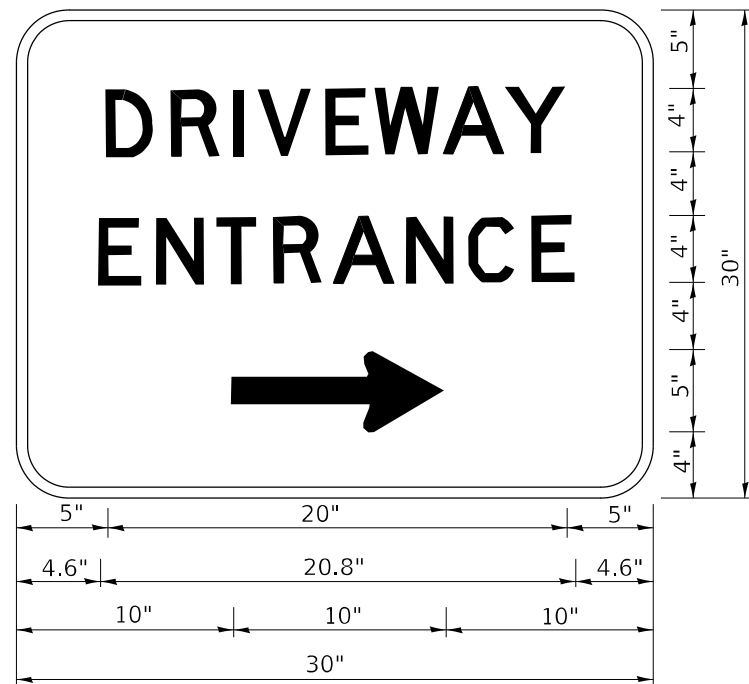
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PLOT DATE = 8/20/2024	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 59
TC-22		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	60
TC-26			CONTRACT NO.60T22	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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	DRAWN - IP	REVISED -
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PLOT DATE = 8/20/2024	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

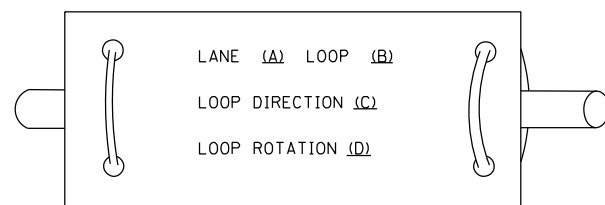
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F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 61
TS-05		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				

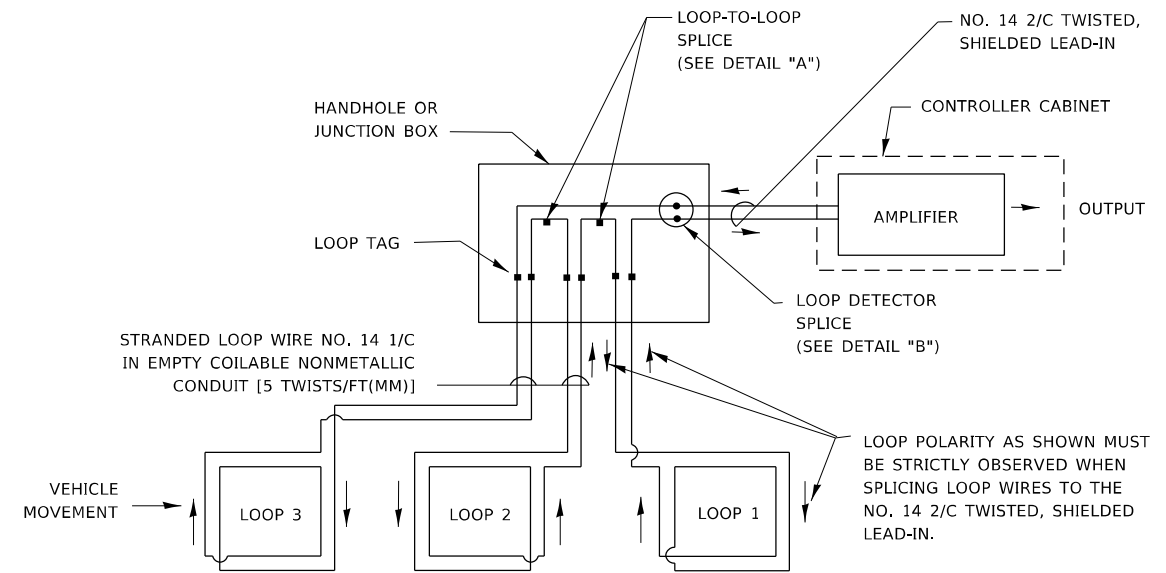
LOOP DETECTOR NOTES

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.

LOOP LEAD-IN CABLE TAG

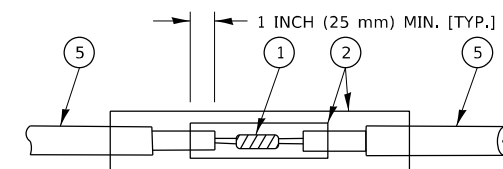


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

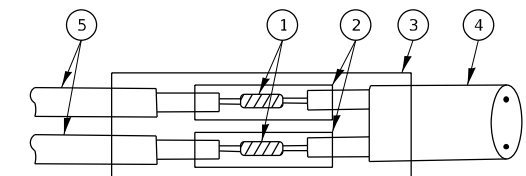


DETECTOR LOOP WIRING SCHEMATIC

- 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.

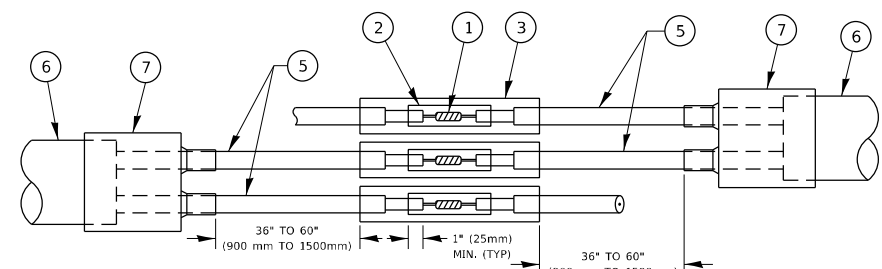


DETAIL "A"
LOOP-TO-LOOP SPLICE

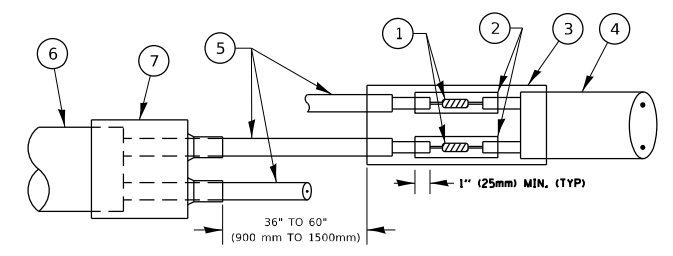


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 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. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

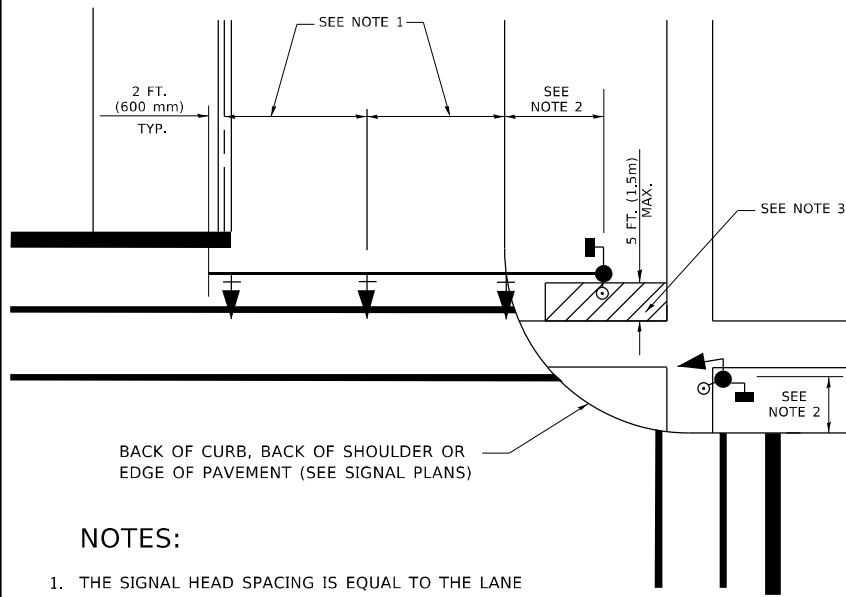
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 62
TS-05		CONTRACT NO.60T22		
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.

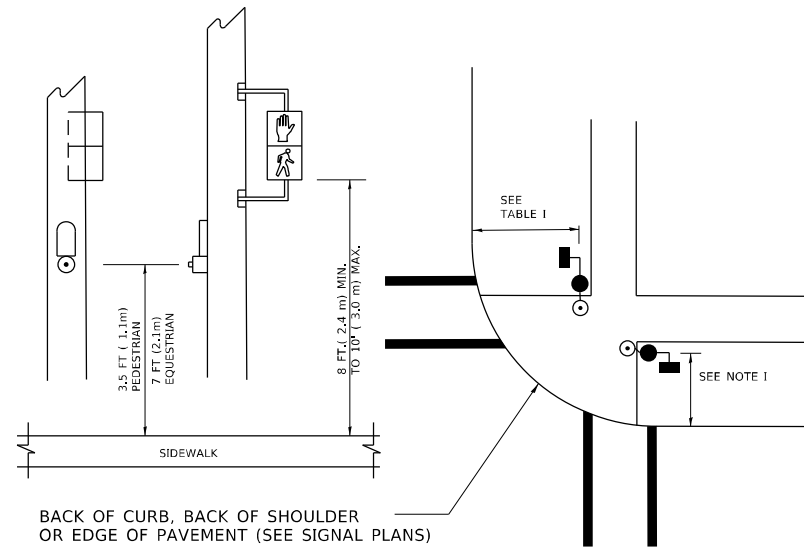


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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

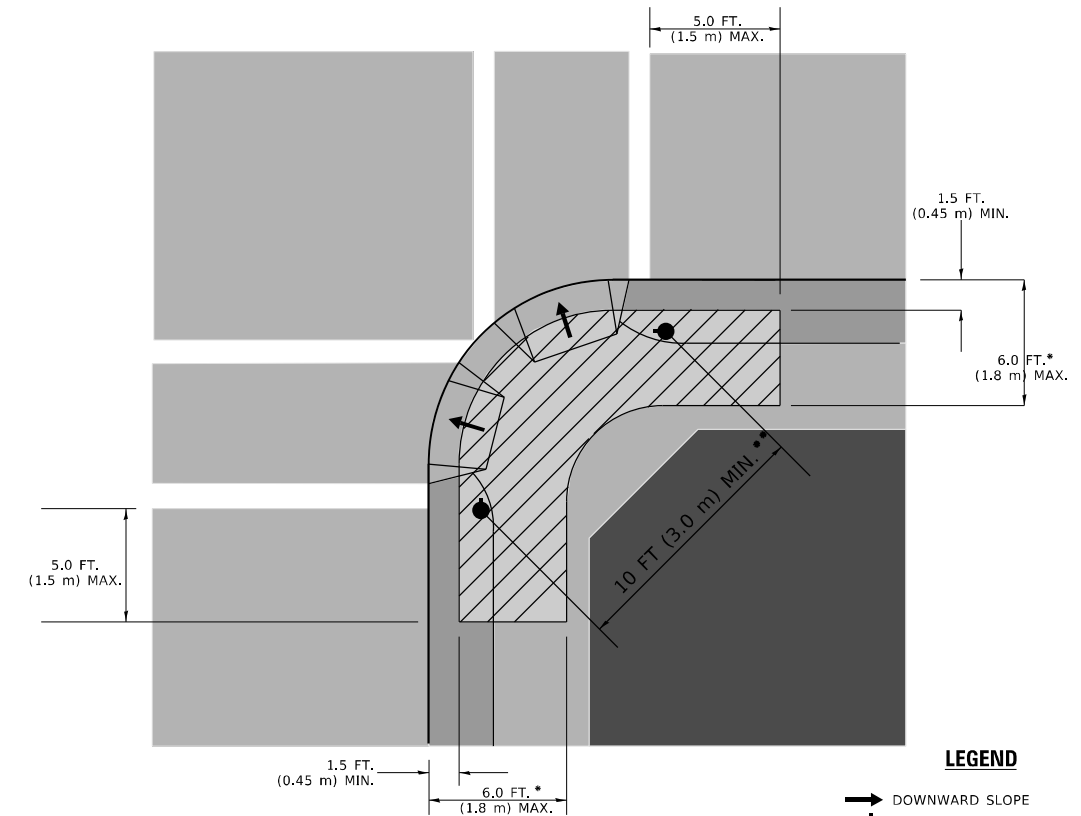


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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.

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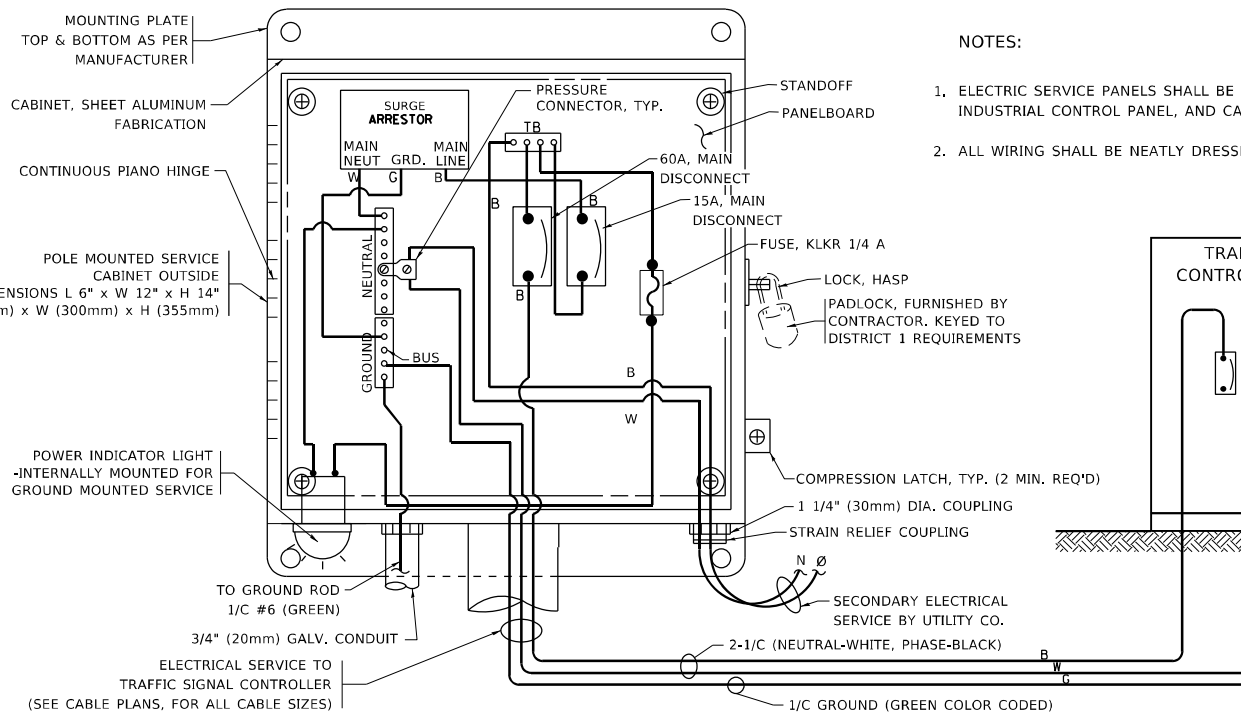
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

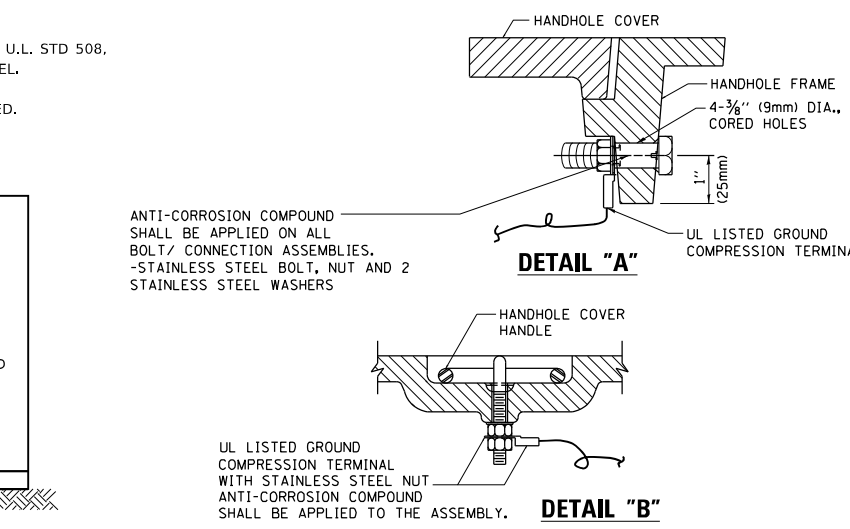
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

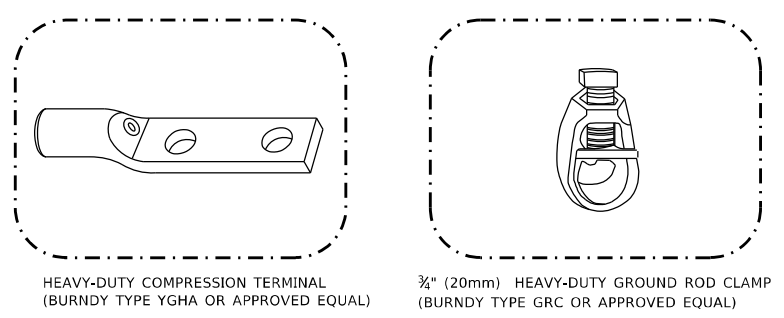
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TS-05		CONTRACT NO.60T22		
ILLINOIS FED. AID PROJECT				



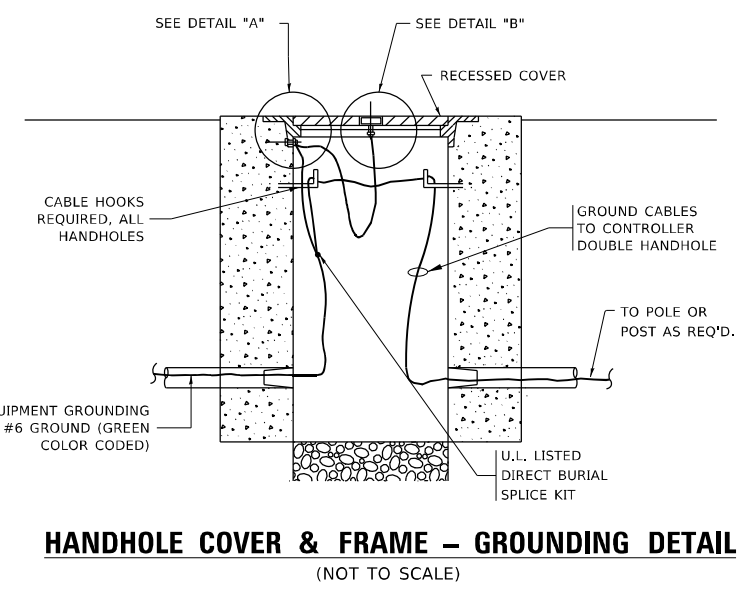
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



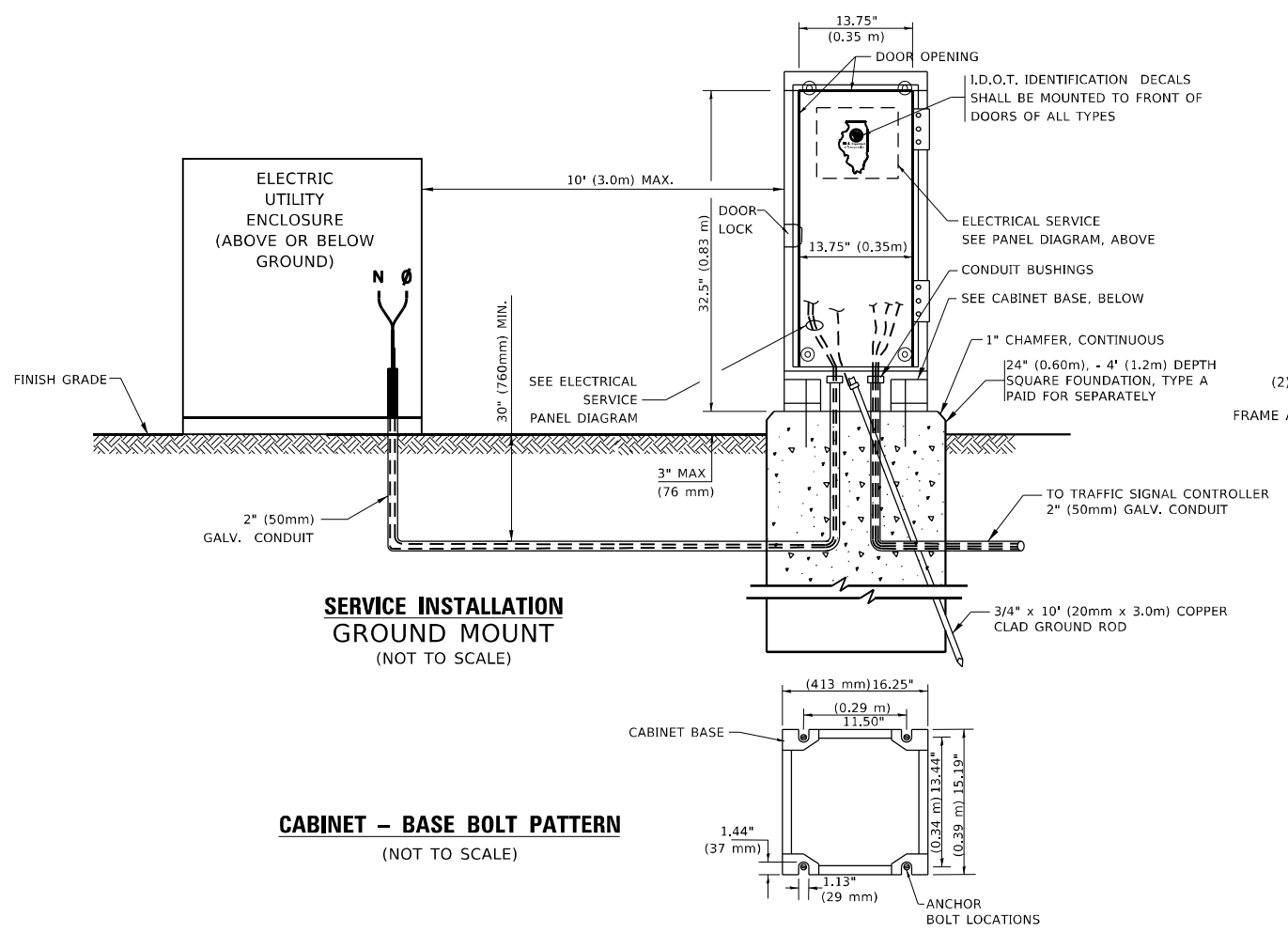
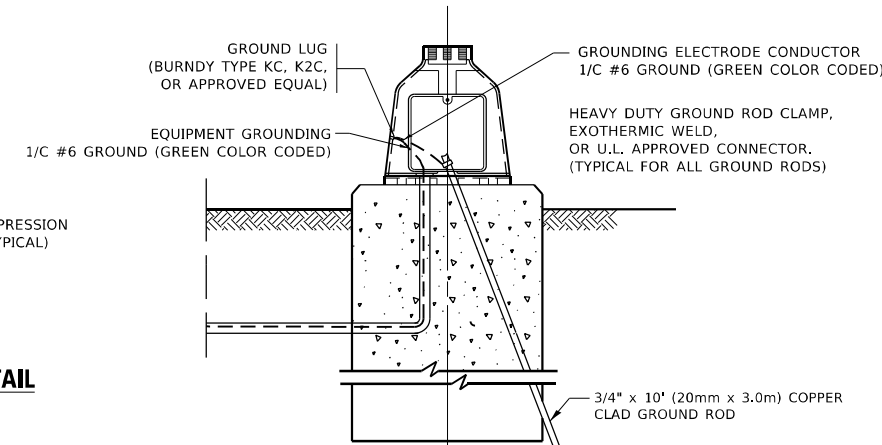
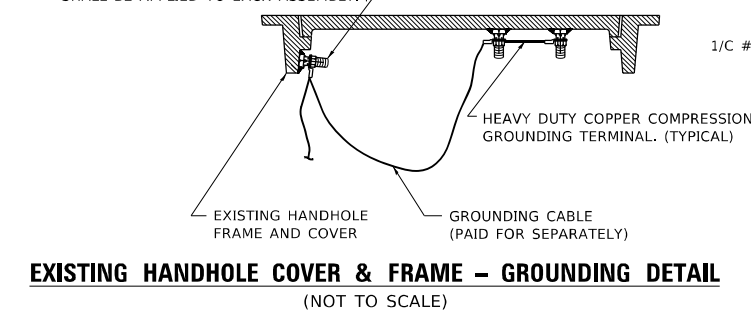
- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED 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.



(2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL). ANTI-CORROSION COMPOUND SHALL BE APPLIED TO EACH ASSEMBLY.



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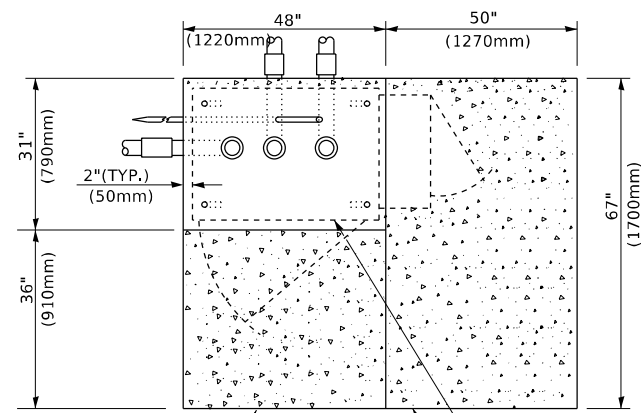
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

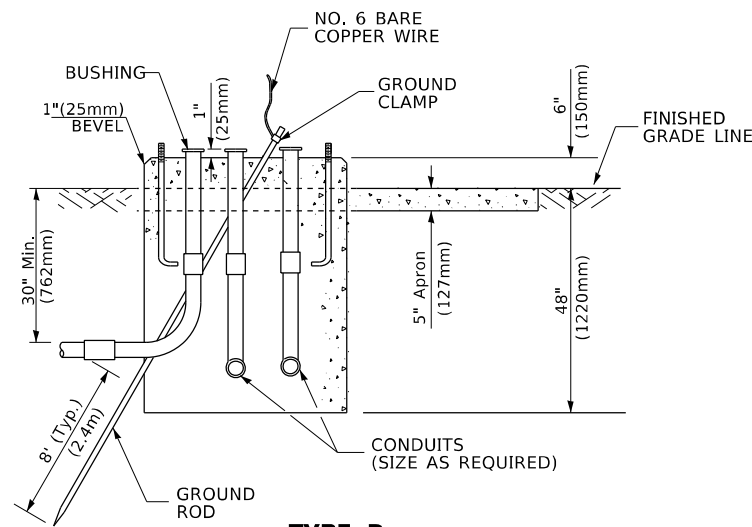
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

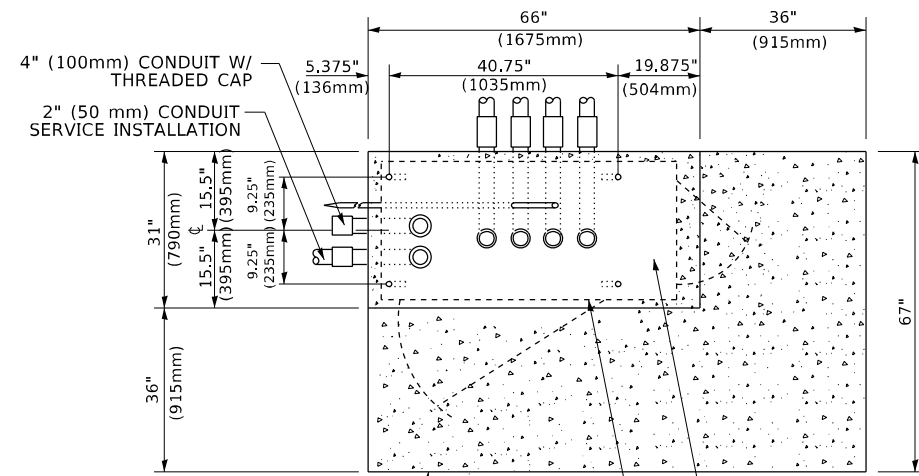
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TS-05		CONTRACT NO.60T22		
ILLINOIS FED. AID PROJECT				



TOP VIEW



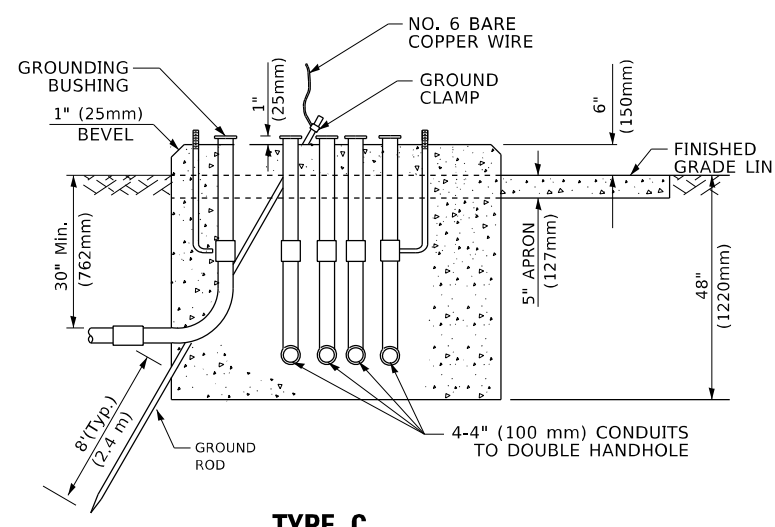
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



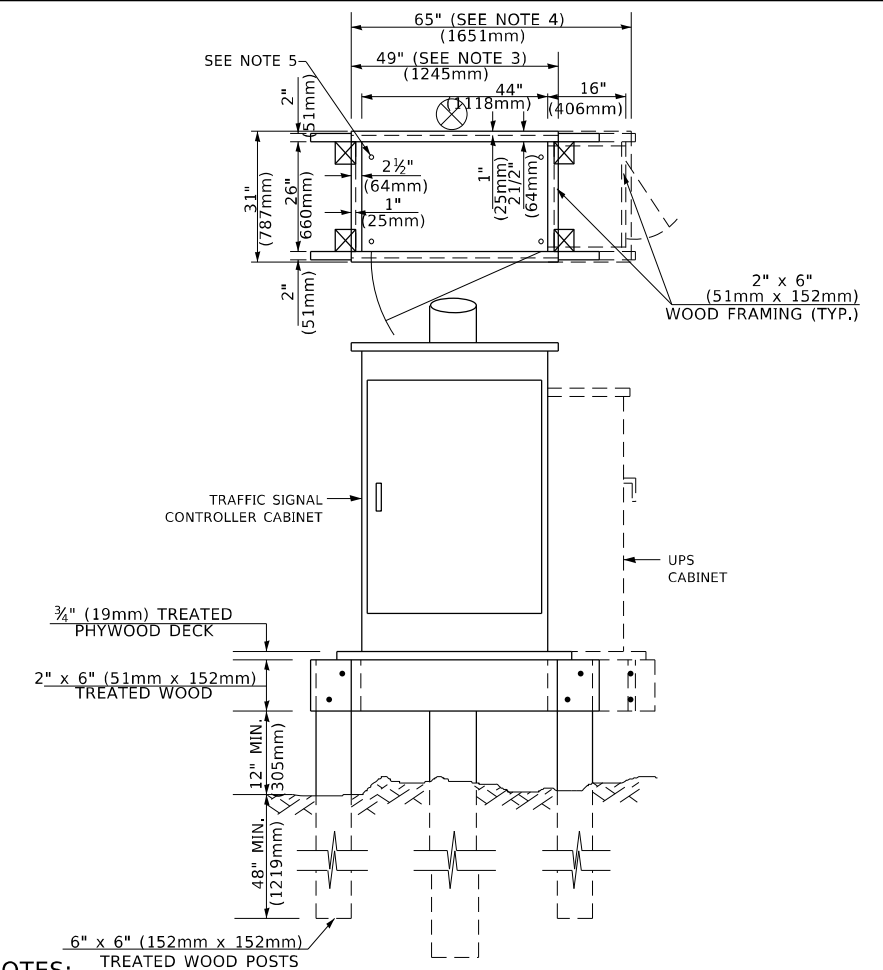
TOP VIEW

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)
	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

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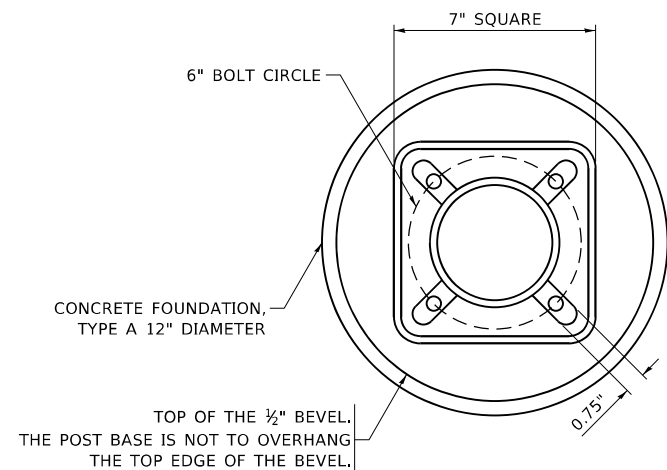
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

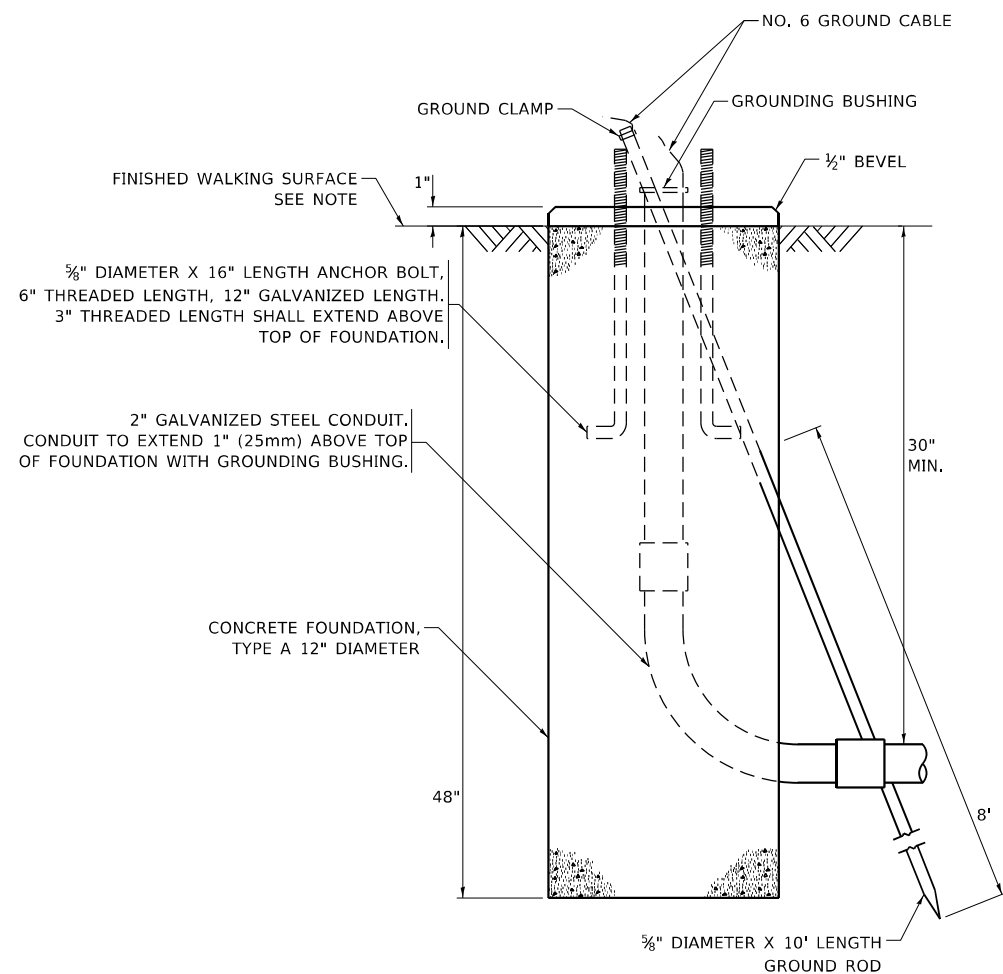
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048TS	DUPAGE	75	65
TS-05		CONTRACT NO.60T22		
ILLINOIS FED. AID PROJECT				



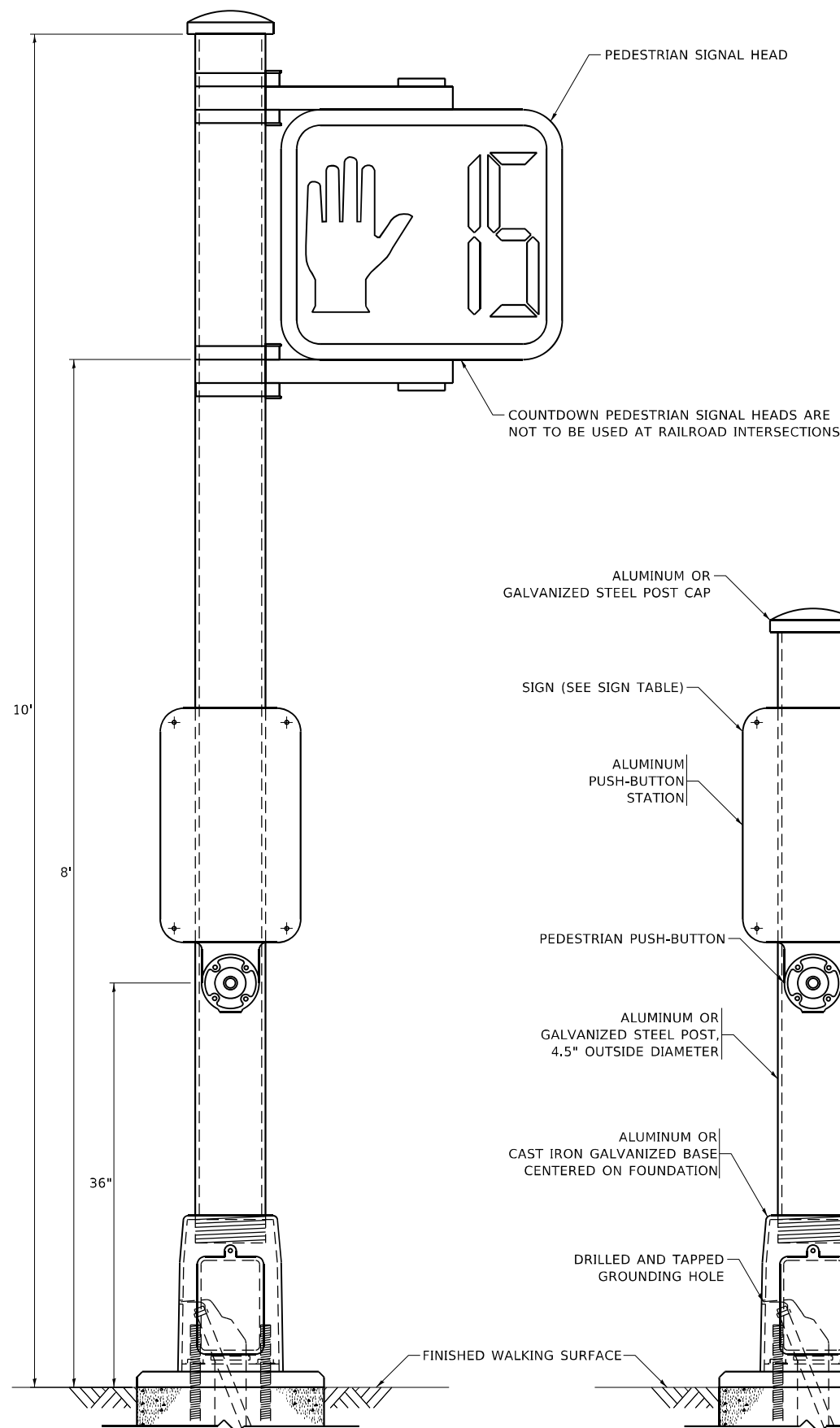
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

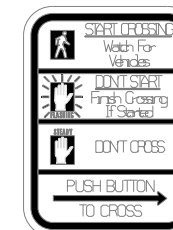


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**

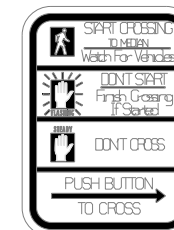


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

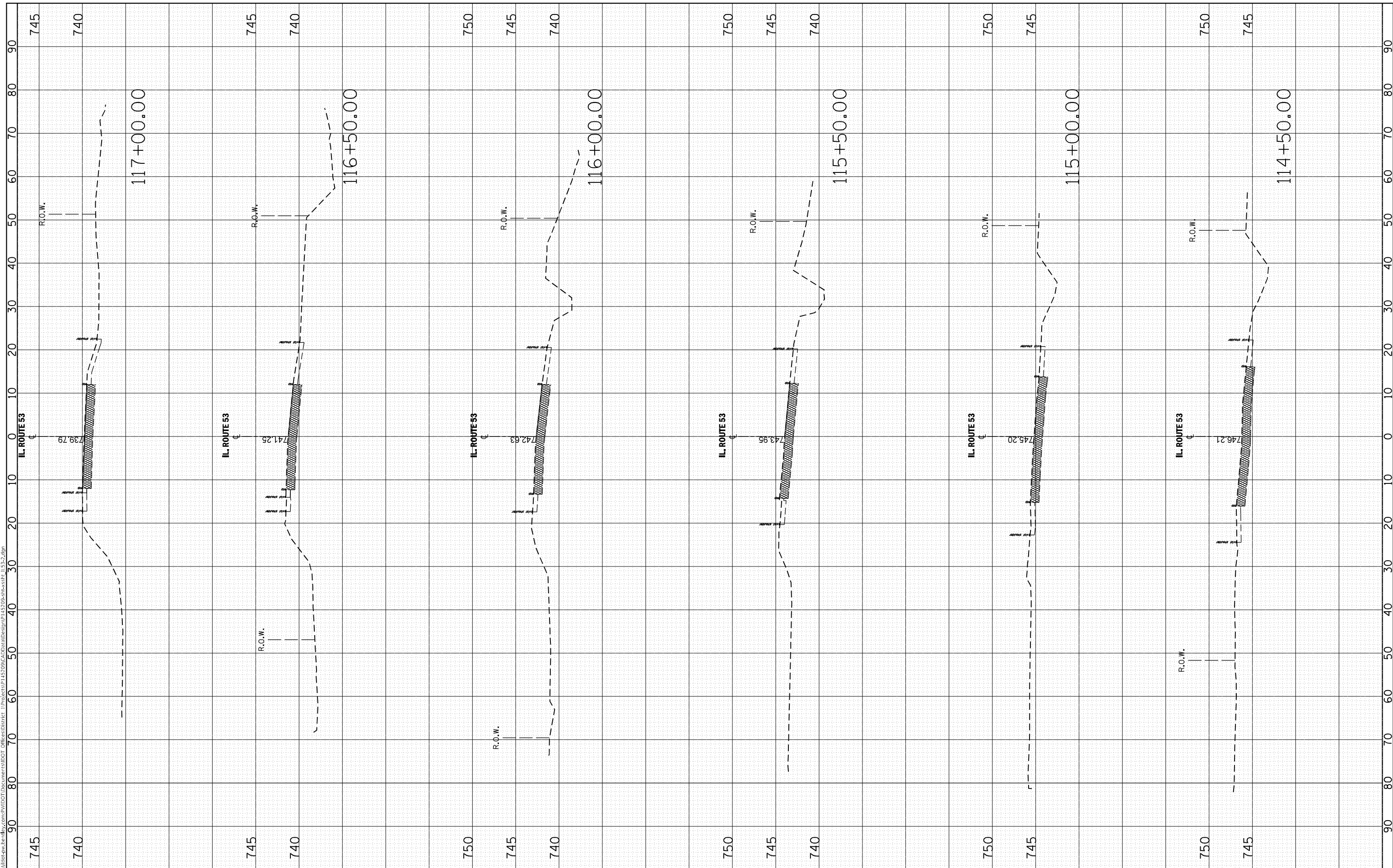
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F.A.P. RTE. 870	SECTION 2016-048TS	COUNTY DUPAGE	TOTAL SHEETS 75	SHEET NO. 67
TS-05		CONTRACT NO. 60T22		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

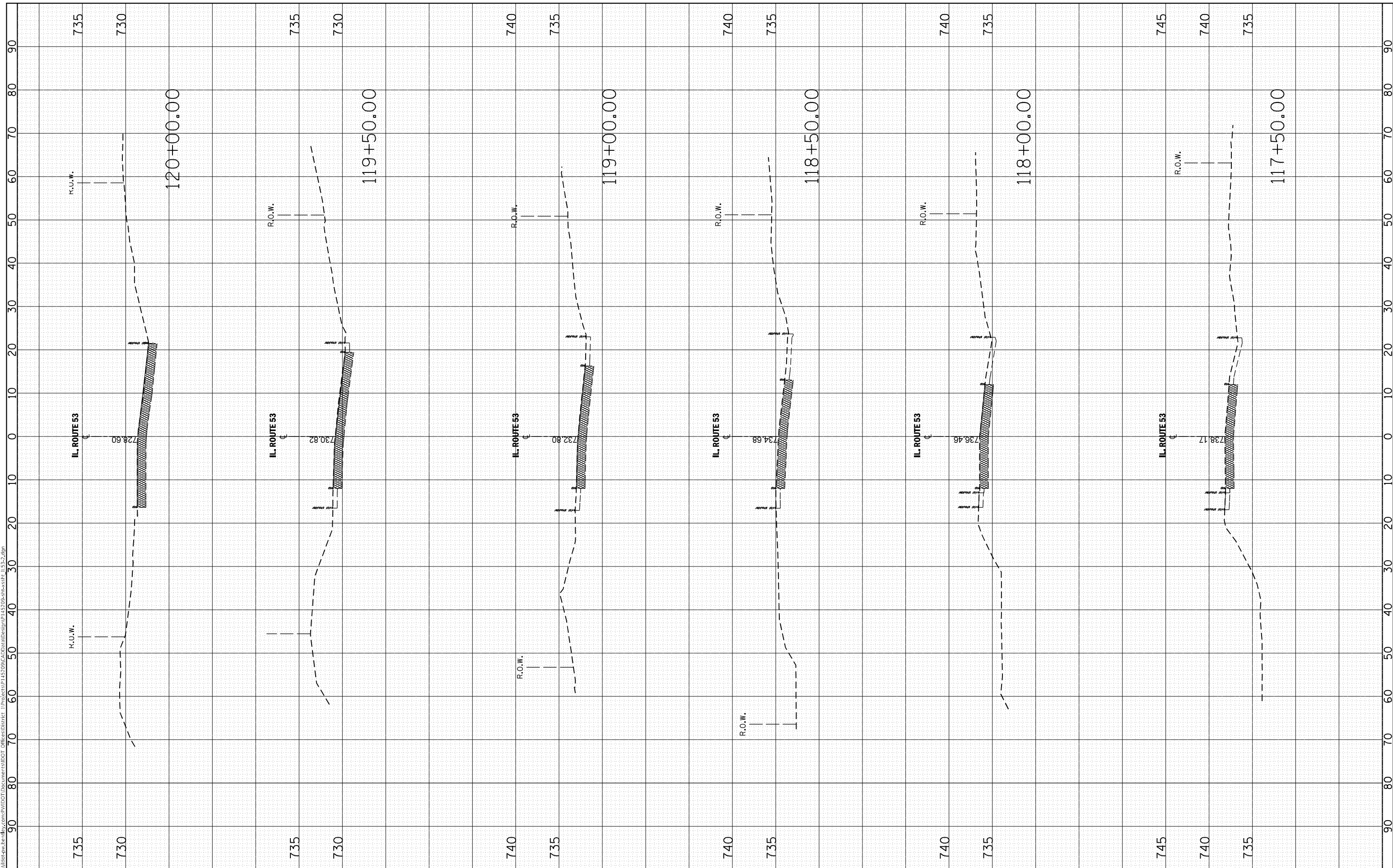
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IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET	OF	SHEETS
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS		75	69
CONTRACT NO. 60T22				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
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 PROJECT: ILLINOIS STATE ROADWAY DESIGN PROJECT



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PLOT DATE = 8/20/2024	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

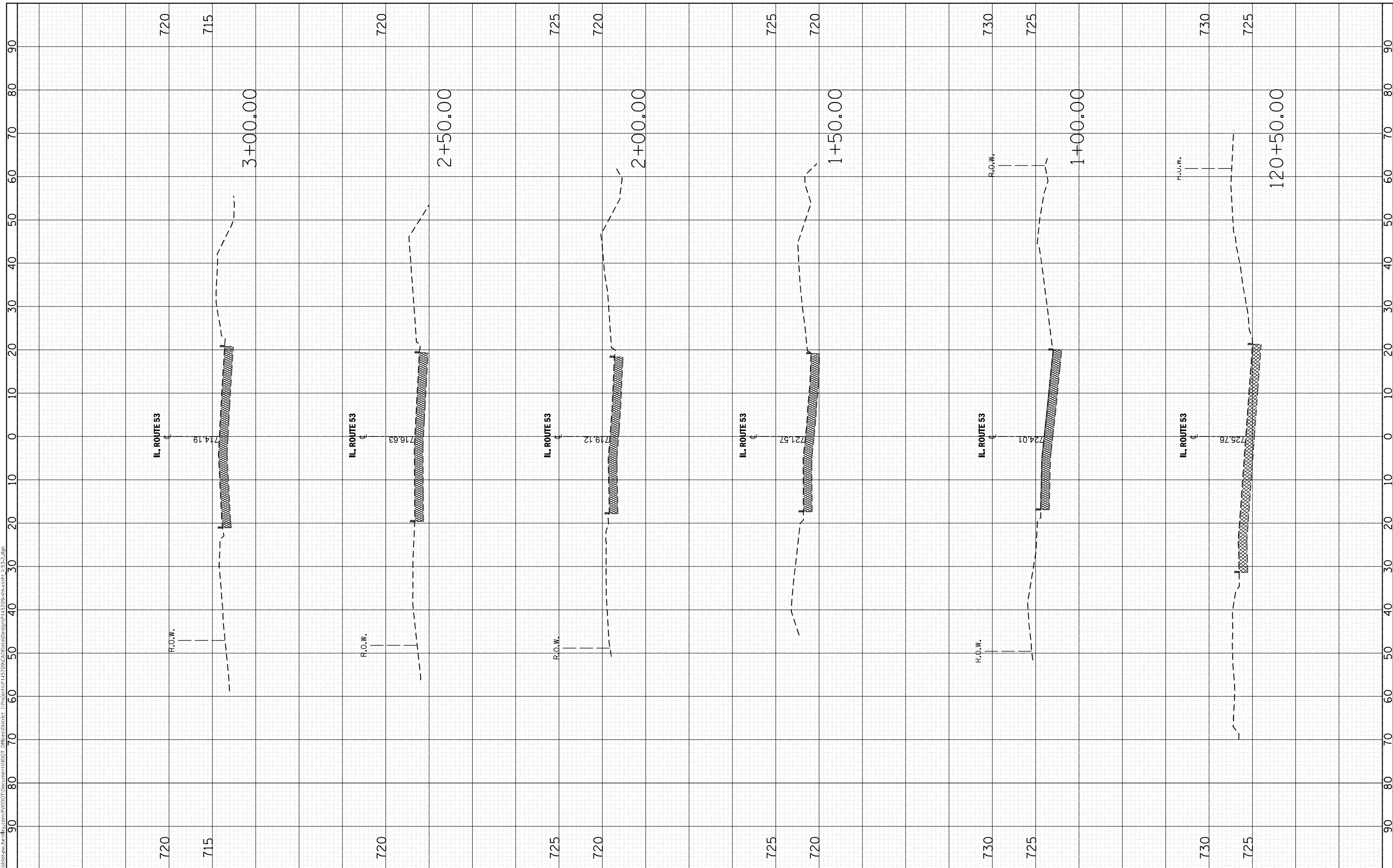
SCALE: SHEET OF SHEETS STA. 117+50.00 TO STA. 120+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS		75	70
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
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AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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 PROJECT: ILLINOIS STATE ROAD DESIGN PROJECT



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PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

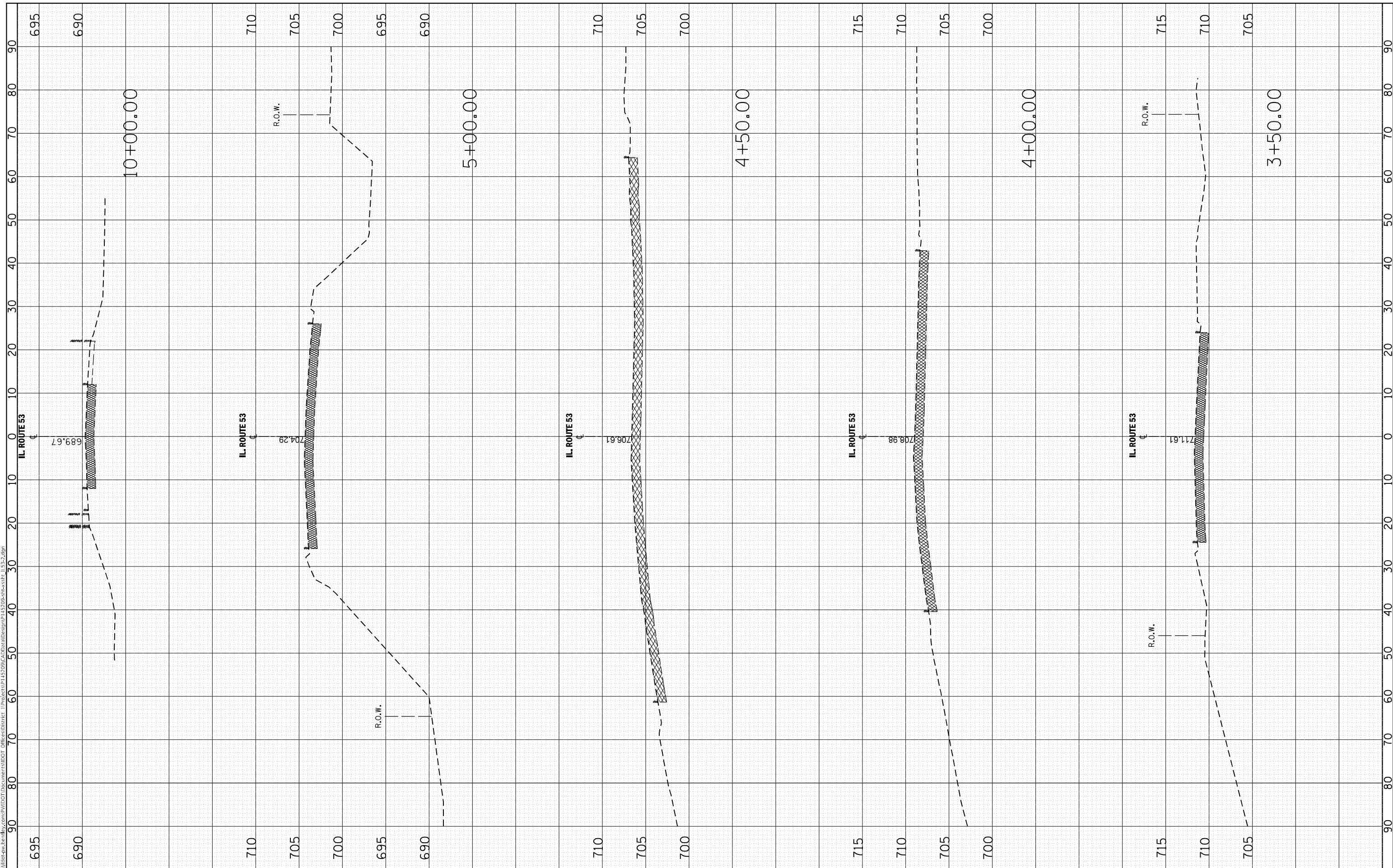
SCALE: SHEET OF SHEETS STA. 120+50.00 TO STA. 3+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS	DUPAGE	75	71
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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PLOT DATE = 8/20/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

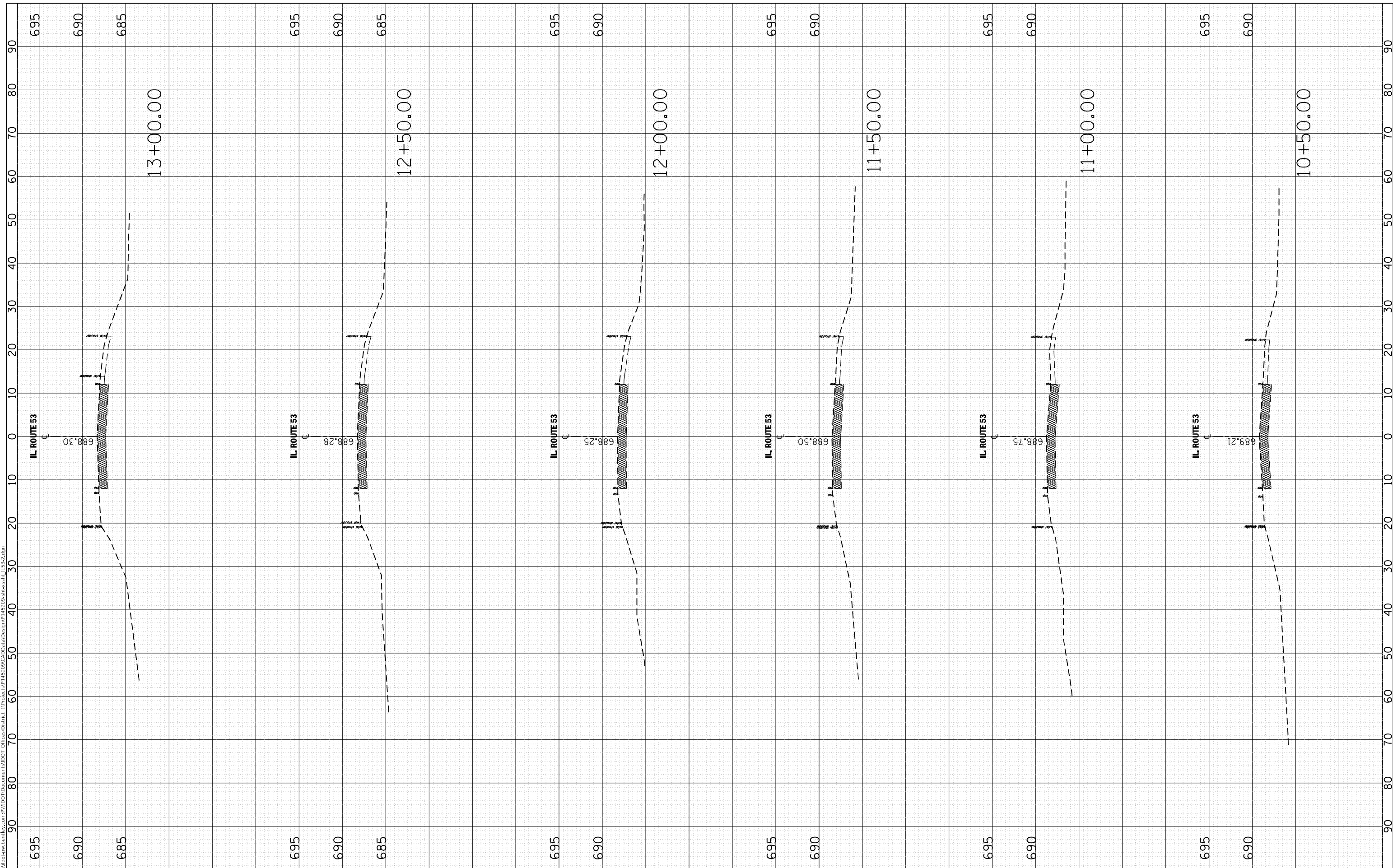
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS	DUPAGE	75	72
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS CHECKED		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

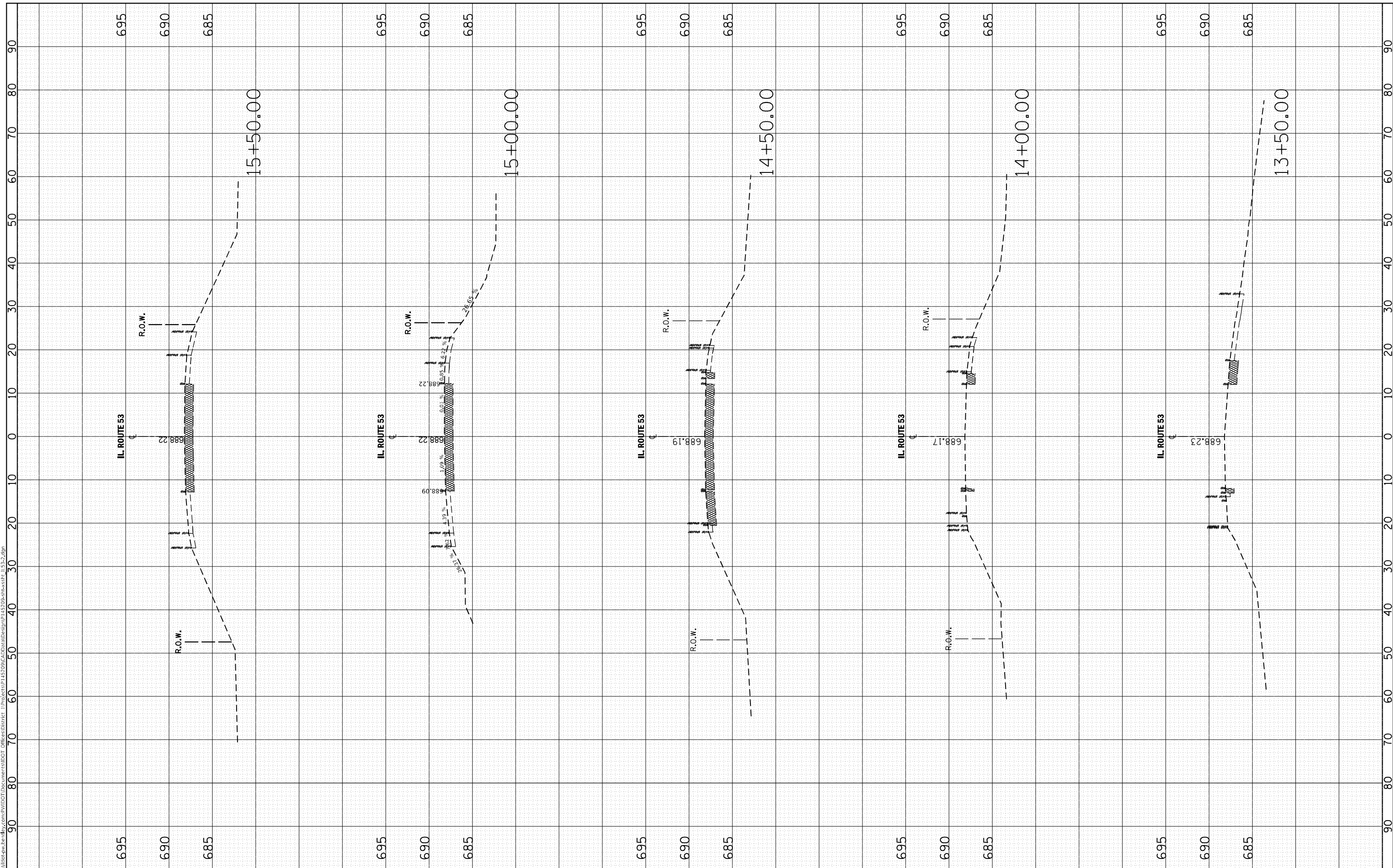
CROSS SECTIONS			
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET	OF	SHEETS
	STA. 10+50.00	TO	STA. 13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS	DUPAGE	75	73
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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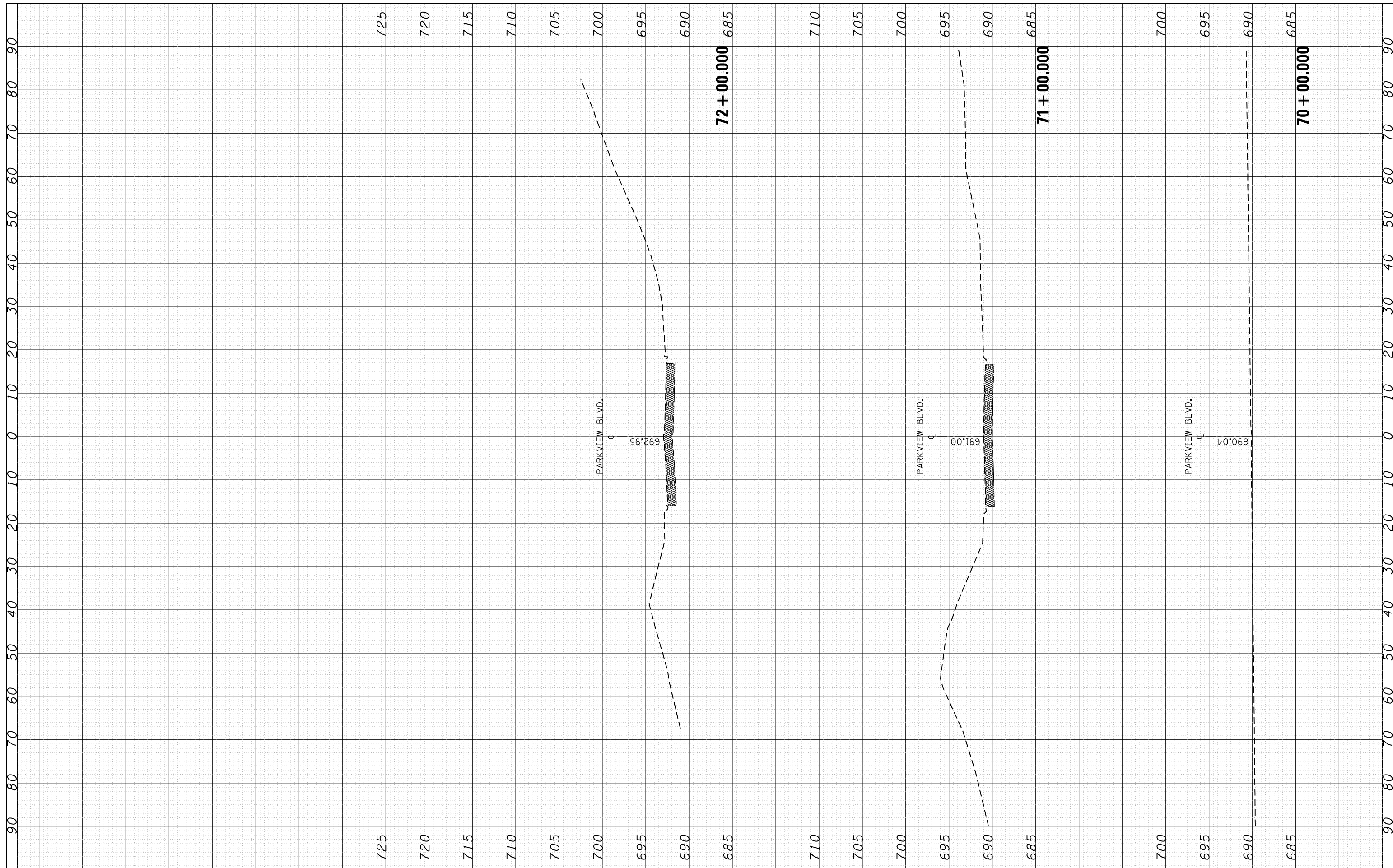
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)			
SCALE:	SHEET	OF	SHEETS
			STA. 13+50.00 TO STA. 15+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-048TS		75	74
			CONTRACT NO. 60T22	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

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NOTE BOOK NO.	TEMPLATE AREAS CHECKED		



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DESIGNED -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL 53 (AT PARKVIEW BOULEVARD /SURREY DRIVE)**

SCALE: SHEET OF SHEETS STA. 70+00.000 TO STA. 72+00.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	2016-048T5	DUPAGE	75	75
CONTRACT NO. 60T22				
ILLINOIS FED. AID PROJECT				