

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	1
ILLINOIS CONTRACT NO. 62H20				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

D-91-014-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

IL-53: SPEED LIMIT: 55 MPH  
ADT (2017): 6,800

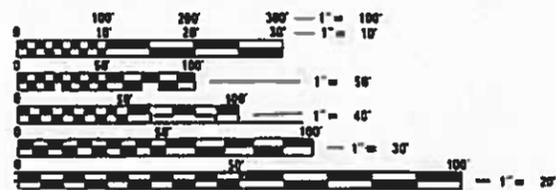
IMPROVEMENT IS LOCATED  
IN VILLAGE OF ELWOOD

PROPOSED  
HIGHWAY PLANS

FAP ROUTE 846: IL 53  
AT WALTER STRAWN DRIVE  
SECTION: 2018-071-1  
PROJECT: NHPP-Z1D4(006)  
CHANNELIZATION, PAVEMENT  
MARKING & SHOULDER  
RECONSTRUCTION

WILL COUNTY

C-91-213-19



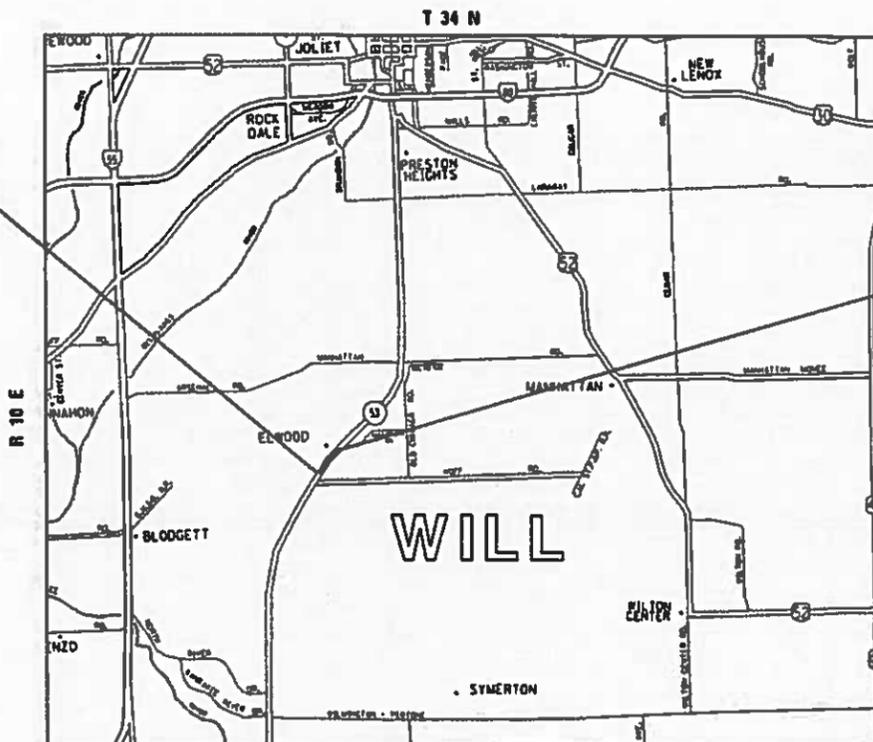
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H20

PROJECT START  
STA 335+32



PROJECT START  
STA 369+68

JACKSON TOWNSHIP

GROSS & NET LENGTH = 1436 FT. = 0.272 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 22, 2019  
Anthony J. Dwyer/AB  
REGIONAL ENGINEER

March 22, 2019  
Paul P. [Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2019  
Paul P. [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

LIST OF STATE STANDARDS:

<u>SHEET NO.</u>	<u>DESCRIPTION</u>	<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET	000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2-3	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	280001-07	TEMPORARY EROSION CONTROL SYSTEM
4-7	SUMMARY OF QUANTITIES	442101-09	CLASS B PATCHES
8	EXISTING AND PROPOSED TYPICAL SECTIONS	442201-03	CLASS C AND D PATCHES
9-10	ALIGNMENT, TIES AND BENCHMARKS	482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
11-12	PROPOSED ROADWAY PLAN AND PROFILE	602001-02	CATCH BASIN TYPE A
13	EARTHWORK BALANCE	604001-04	FRAME AND LIDS TYPE 1
14-15	PAVEMENT MARKINGS & SIGNING PLAN	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
16	EROSION CONTROL PLAN	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
17	DRAINAGE AND UTILITIES PLAN	701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
18	LANDSCAPE PLAN	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
19-25	TRAFFIC SIGNAL REMOVAL PLANS	701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
26	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-7)	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
27	DETAILS FOR FRAMES & LIDS ADJUSTMENT WITH MILLING (BD-8)	701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN
28	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
29	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
30	BENCHING DETAIL FOR EMBANKMENT WIDENING (BD-51)	701901-08	TRAFFIC CONTROL DEVICES
31	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS (BD-52)		
32	TRAFFIC CONTROL AND PROTECTION OF SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)		
33	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (TC-11)		
34	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)		
35	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)		
36	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)		
37	ARTERIAL ROAD INFORMATION SIGN (TC-22)		
38-42	CROSS SECTIONS		

FILE NAME =	USER NAME = ldezmar	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS STANDARDS, AND GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P117315\Design\PI17315-shr-genote.dgn	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			846	2018-071-1	WILL	42	2	
Default	PLLOT DATE = 3/6/2019	DATE -	REVISED -			CONTRACT NO. 62H20					
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GENERAL NOTES:

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 IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND WILL COUNTY AND THE VILLAGE OF ELWOOD
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
5. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
6. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h), WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)
7. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
8. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
9. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
10. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
11. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
12. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES
13. THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, MR. ERIC CAMPOS, AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS
14. PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
15. 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 AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
16. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
17. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF BURIED STRUCTURES ACCORDING TO THE STATION OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT, UPON COMPLETION OF THE WORK. THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
18. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
19. THE EXACT LOCATION OF ALL UTILITIES 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.
20. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACE 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 SEEDDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 250 AND 252 RESPECTIVELY.
21. 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 FACILITY FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATIONS OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
22. 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.
23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE / WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION EILL BE ALLOWED.
24. THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS STANDARDS, AND GENERAL NOTES</b>				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 62H20								
	PLOT DATE = 3/6/2019				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE				
20200100	EARTH EXCAVATION	CU YD	1020	1020				
20800150	TRENCH BACKFILL	CU YD	23	23				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	442	442				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1300	1300				
25000210	SEEDING, CLASS 2A	ACRE	0.8	0.8				
25000310	SEEDING, CLASS 4	ACRE	0.1	0.1				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68.4	68.4				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68.4	68.4				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68.4	68.4				
25003314	INTERSEEDING, CLASS 4B	ACRE						
25100630	EROSION CONTROL BLANKET	SO YD	5514.5	5514.5				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	114	114				
28000305	TEMPORARY DITCH CHECKS	FOOT	195	195				
28000500	INLET AND PIPE PROTECTION	EACH	6	6				
30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	1170	1170				
35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SO YD	22	22				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5777	5777				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13	13				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	354	354				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	520	520				
40603365	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	708	708				
42000060	WELDED WIRE REINFORCEMENT	SO YD	45	45				
42001300	PROTECTIVE COAT	SO YD	906	906				
44000100	PAVEMENT REMOVAL	SO YD	3244	3244				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	8558	8558				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1286	1286				
44003100	MEDIAN REMOVAL	SO FT	3593	3593				
44004250	PAVED SHOULDER REMOVAL	SO YD	822	822				
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SO YD	27	27				* SPECIALTY ITEM

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL-53 AT WALTER STRAWN DRIVE  
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	4
CONTRACT NO. 62H20				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE						CODE NO	ITEM		UNIT	0004 80% FED 20% STATE				
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SO YD	15	15						60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	2000	2000				
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SO YD	30	30						60622320	CONCRETE MEDIAN, TYPE SM-4.24	SO FT	571	571				
44201298	DOWEL BARS 1 1/4"	EACH	20	20					*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	884	884				
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	23	23					*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1				
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	37	37					*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
44213200	SAW CUTS	FOOT	260	260						66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	1	1				
44213204	TIE BARS 3/4"	EACH	52	52					*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1060	1060						67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	45	45					*	67100100	MOBILIZATION	L SUM	1	1				
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	10	10						70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	84				
55101200	STORM SEWER REMOVAL 24"	FOOT	10	10						70300100	SHORT TERM PAVEMENT MARKING	FOOT	3815	3815				
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1250	1250				
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	110	110				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	373	373						70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6030	6030				
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	281	281						* SPECIALTY ITEM								

FILE NAME =	USER NAME = ledzmm	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in	CHECKED -	REVISED -
	PLOT DATE = 2/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

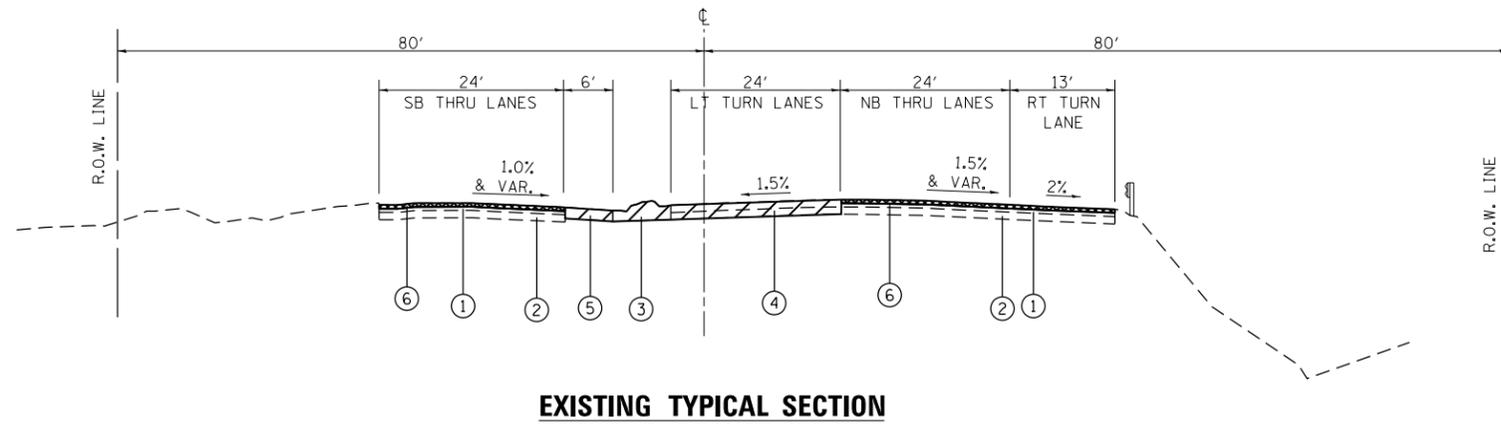
**IL-53 AT WALTER STRAWN DRIVE  
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H20	

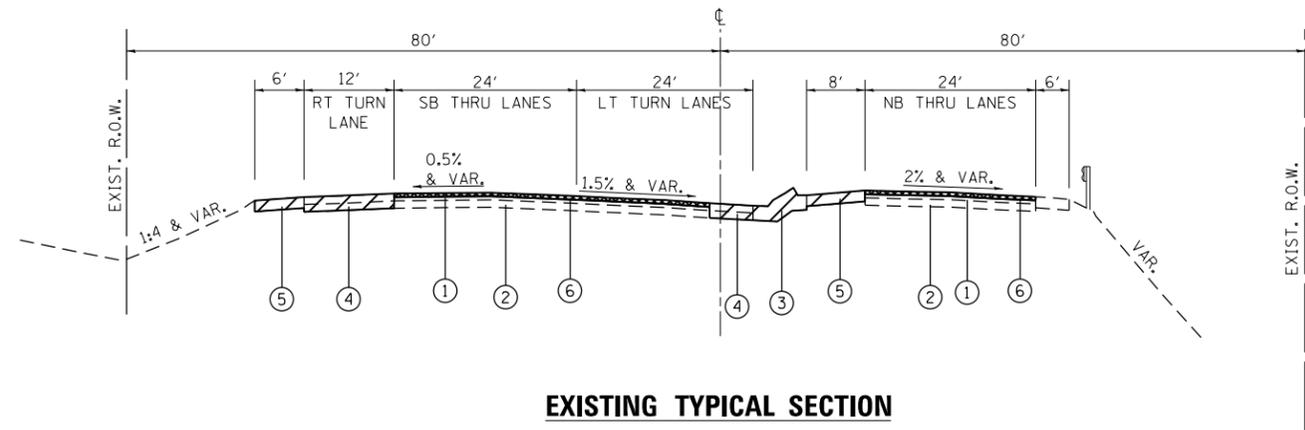
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					*	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE						CODE NO	ITEM	UNIT		0004 80% FED 20% STATE				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	360	360					*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	66	66				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	480	480					*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	40	40				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	425	425					*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	560	560				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	14	14					*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	360	360				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	814	814					*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	14	14				
* 72000100	SIGN PANEL - TYPE 1	SO FT	24	24					*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	131	131				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	6.5	6.5					*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	131	131				
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3					*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2				
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	3	3					*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	900	900				
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	3					*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	116	116					*	89502380	REMOVE EXISTING HANDHOLE	EACH	13	13				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6030	6030					*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2	2				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	360	360														
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	480	480														* SPECIALTY ITEM





**EXISTING TYPICAL SECTION**

STA 335+32 TO 363+00



**EXISTING TYPICAL SECTION**

STA 363+00 TO 369+68

**LEGEND**

- ① EXIST HMA SURFACE
- ② EXIST PCC BASE COURSE
- ③ PROP MEDIAN REMOVAL
- ④ PROP PAVEMENT REMOVAL
- ⑤ PROP SHOULDER PAVEMENT REMOVAL
- ⑥ PROP HMA SURFACE REMOVAL, 2 1/4"
- ⑦ PROP PCC CC&G B-6.24
- ⑧ PROP HMA SHOULDER, 8"
- ⑨ PROP AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑩ PROP AGGREGATE WEDGE SHOULDER TYPE B
- ⑪ PROP POLY. HMA SURF. CSE., MIX "E", N70, 1 3/4"
- ⑫ PROP POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	
IL-53 SHOULDERS (HMA SHOULDER, 8")		
POLY HMA SURFACE COURSE MIX "E", N70, 1 3/4" (IL-9.5mm)	4% @ 70 GYR.	QC/OA
HMA BASE CSE. WIDENING, (HMA BINDER IL-19.0), 6 1/4"	4% @ 90 GYR.	QC/OA
IL-53 MAINLINE WIDENING AT STA 363+00		
POLY HMA SURFACE COURSE MIX "E", N70, 1 3/4" (IL-9.5mm)	4% @ 70 GYR.	QC/OA
POLY. LEVELING BINDER (MM) IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/OA
HMA BASE CSE. WIDENING, (HMA BINDER IL-19.0), 10 1/2"	4% @ 90 GYR.	QC/OA

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	
IL-53 MAINLINE RESURFACING		
HMA SURFACE COURSE MIX "D", N50, 1 1/2" (IL-9.5mm)	4% @ 50 GYR.	QC/OA
POLY. LEVELING BINDER (MM) IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/OA
QMP DESIGNATION QUALITY CONTROL/QUALITY ASSURANCE (QC/OA) QUALITY CONTROL FOR PERFORMANCE (QCP)		

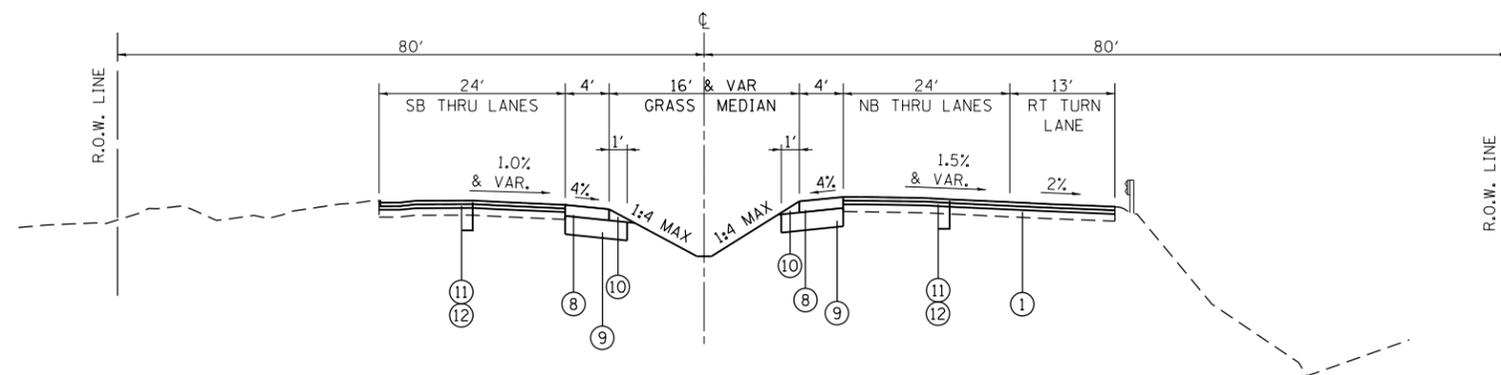
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUND PER SQUARE YARD-INCH

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS / SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

"FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS".

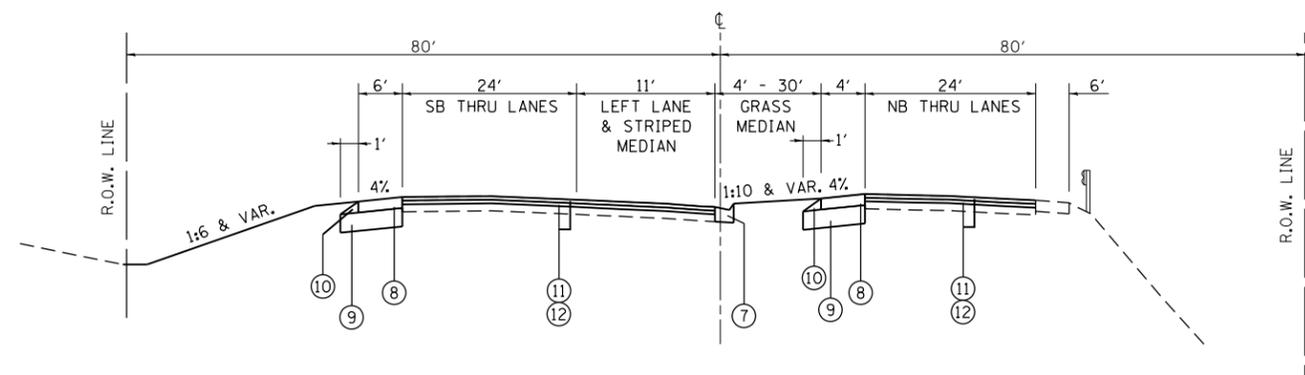
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

**NOTE: THIS CONTRACT WILL REQUIRE MILLING BEFORE PATCHING**



**PROPOSED TYPICAL SECTION**

STA 335+32 TO 363+00



**PROPOSED TYPICAL SECTION**

STA 363+00 TO 369+68

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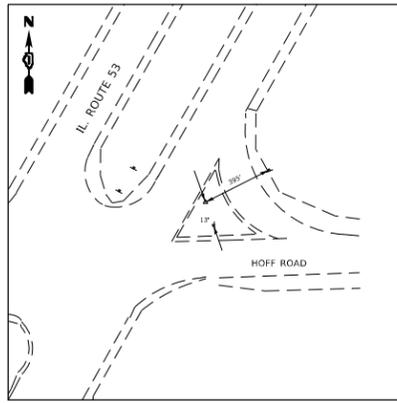
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			
<b>IL. ROUTE 53 AT WALTER STRAWN DRIVE</b>			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

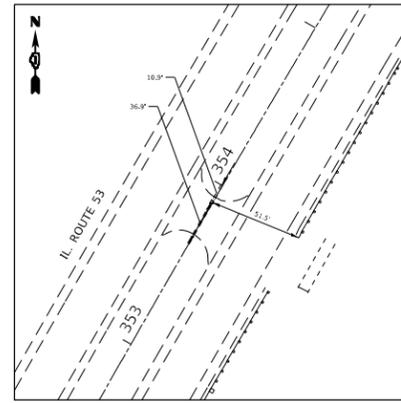
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	8
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				





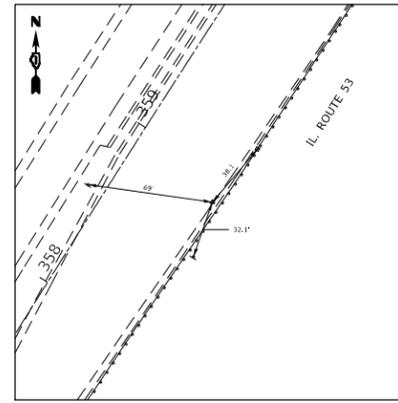
### CONTROL POINT 39

MAG IN ISLAND IL. 53,  
E. SIDE  
STA. 343+40  
N= 1721554.3140  
E= 1043874.2100  
ELEV.= 633.83



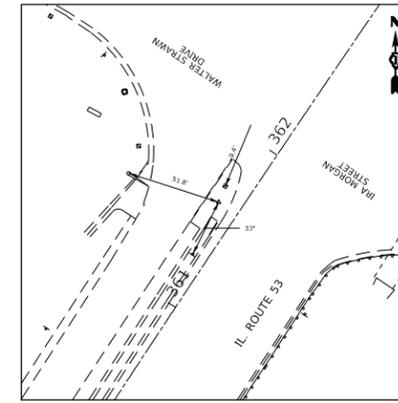
### CONTROL POINT 40

MAG IN ISLAND IL. 53  
TURNAROUND  
STA. 353+89  
N= 1722489.2020  
E= 1044352.1930  
ELEV.= 636.20



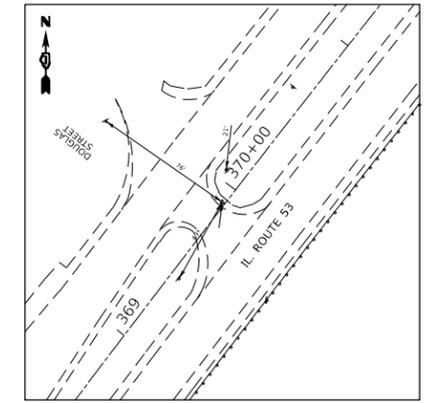
### CONTROL POINT 41

MAG IN RT TURN LANE  
E. SIDE IL. 53  
STA. 358+85  
N= 1722883.9100  
E= 1044655.5080  
ELEV.= 639.32



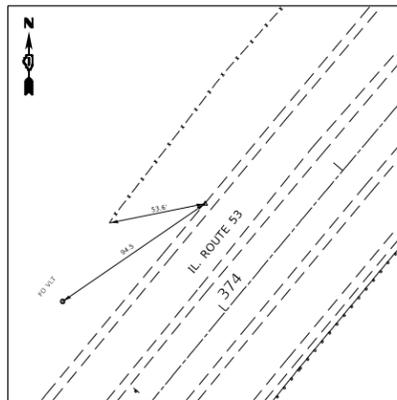
### CONTROL POINT 42

"X" IN CONC. MEDIAN  
IL. 53 S. OF IRA MORGAN  
STA. 361+60  
N= 1723149.6570  
E= 1044751.8480  
ELEV.= 641.26



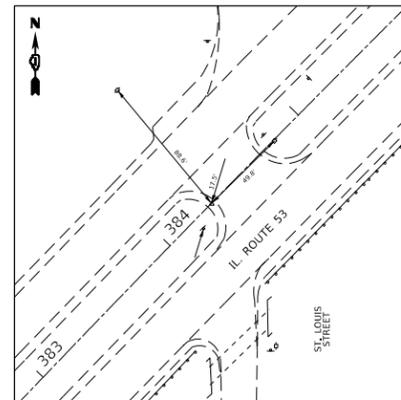
### CONTROL POINT 43

MAG IN IL. 53 @  
DOUGLAS ST.  
STA. 369+90  
N= 1723816.6830  
E= 1045245.4430  
ELEV.= 645.90



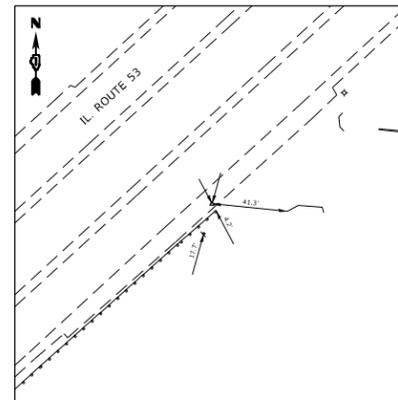
### CONTROL POINT 44

MAG IN W. SHOULDER  
OF IL. 53  
STA. 374+34  
N= 1724194.1430  
E= 1045491.5450  
ELEV.= 646.22



### CONTROL POINT 45

MAG IN IL. 53 TURNAROUND  
@ ST. LOUIS  
STA. 384+32  
N= 1724901.7870  
E= 1046193.9280  
ELEV.= 644.84



### CONTROL POINT 47

MAG E. SHOULDER  
OF IL. 53  
STA. 394+27  
N= 1725549.3430  
E= 1046950.0650  
ELEV.= 647.42

### BENCHMARK #9

ELEV. = 651.506  
△ - CUT IN NW BOLT HYD @  
NE COR RT53 & MISSISSIPPI

### BENCHMARK #10

ELEV. = 643.044  
□ - CUT IN NE CORNER CONC. BASE  
OF TCB SLAB IN NW CORNER OF  
IL. 53 & IRA MORGAN

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PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS			
IL. ROUTE 53 AT WALTER STRAWN DRIVE			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

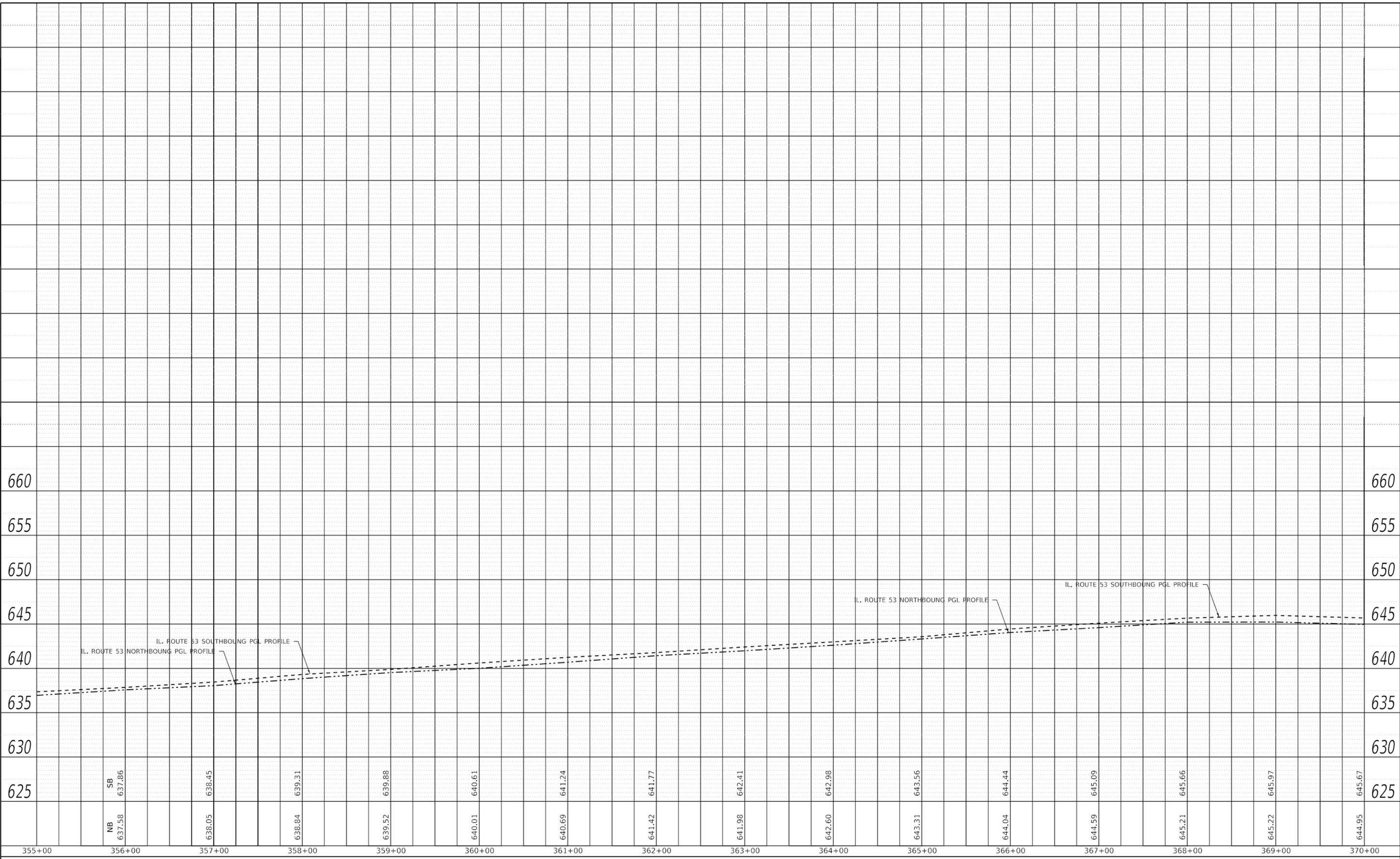
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	10
				CONTRACT NO. 62H20
				ILLINOIS FED. AID PROJECT



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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CURVD		

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PLOT DATE = 2/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED PROFILE  
IL. ROUTE 53 AT WALTER STRAWN DRIVE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	12
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 6"	TOPSOIL EXCAVATION ADJUSTED FOR a(5)	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)	(6)	(7)	(8)
IL-53									
356+00	357+00	15	13	0	13	0	0	0	0
357+00	358+00	17	14	9	6	20	20	21	-2
358+00	359+00	25	14	9	6	15	15	29	-14
359+00	360+00	39	21	5	17	14	14	37	-23
360+00	361+00	44	34	10	24	15	15	39	-24
361+00	362+00	52	38	16	22	29	29	47	-18
362+00	362+35	29	45	34	11	49	49	63	-13
362+35	362+40	6	24	16	8	10	10	17	-8
362+40	363+00	95	5	3	3	0	0	2	-2
363+00	364+00	154	80	24	56	0	0	24	-24
364+00	365+00	106	131	30	101	20	20	46	-26
365+00	366+00	106	90	32	59	41	41	54	-14
366+00	367+00	95	90	33	57	46	46	60	-13
367+00	368+00	63	81	23	58	56	56	56	0
368+00	369+00	29	54	16	37	65	65	40	25
369+00	370+00	9	25	15	10	49	49	26	23
SUB-TOTAL		885	759	273	487	428	428	560	-132

EARTH EXCAVATION SUMMARY		
	EARTHWORK BALANCE (CY) WASTE (+) SHORTAGE (-)	TOPSOIL BALANCE (CY) WASTE (+) SHORTAGE (-)
IL-53	487	-132
TOTAL	487	-132

EARTHWORK NOTES:

1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING 15% FOR SHRINKAGE AND LOSSES, OR OMISSION DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE FILLED
5. COLUMN (4) MINUS COLUMN (3)
6. TOPSOIL STRIPPING VOLUME
7. TOPSOIL FILL VOLUME
8. COLUMN (7) MINUS COLUMN (6)

PROJECT LIMIT  
STA 355 + 32

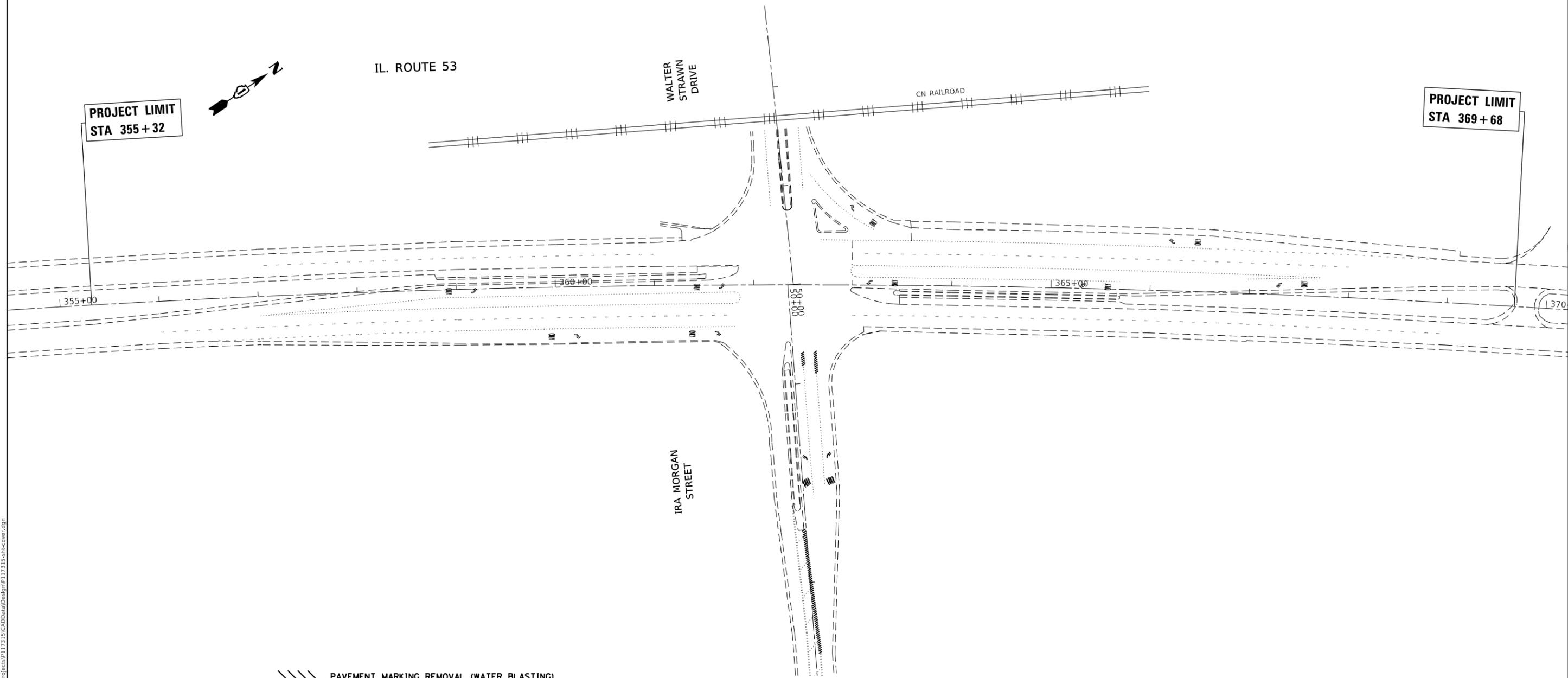


IL. ROUTE 53

WALTER  
STRAWN  
DRIVE

CN RAILROAD

PROJECT LIMIT  
STA 369 + 68



////// PAVEMENT MARKING REMOVAL (WATER BLASTING)

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKINGS REMOVAL PLAN  
IL. ROUTE 53 AT WALTER STRAWN DRIVE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-071-I		42	14
			CONTRACT NO.	
			ILLINOIS FED. AID PROJECT	



**PROJECT LIMIT  
STA 355 + 32**

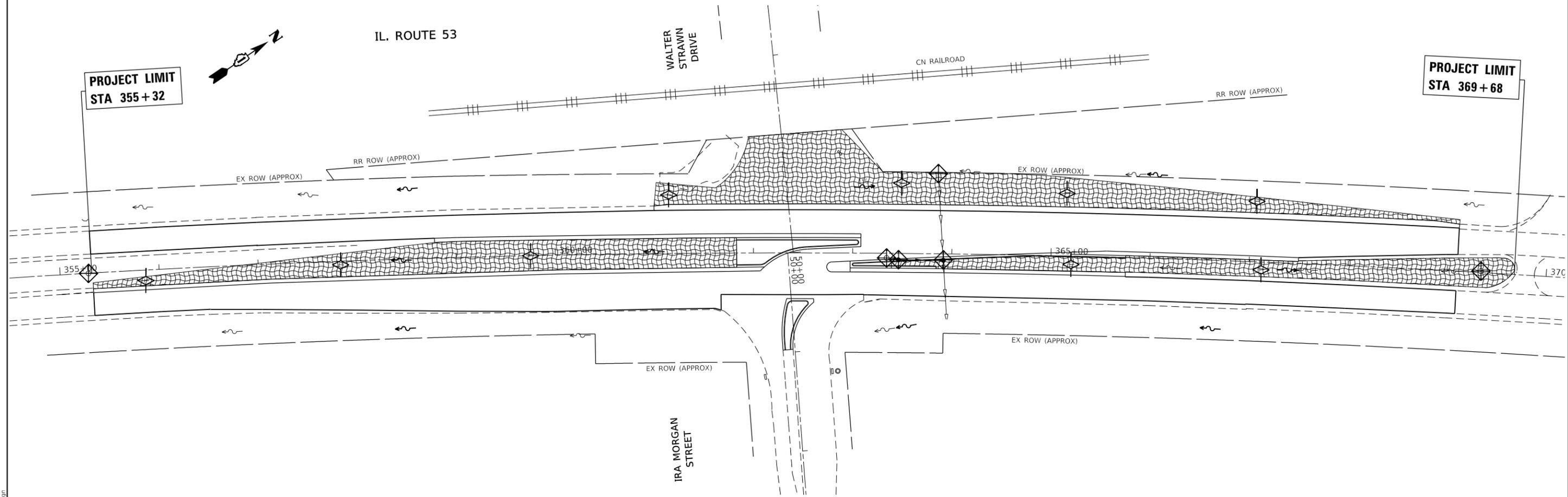


IL. ROUTE 53

WALTER STRAWN DRIVE

CN RAILROAD

**PROJECT LIMIT  
STA 369 + 68**



**LANDSCAPING LEGEND**

- EROSION CONTROL BLANKET
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK

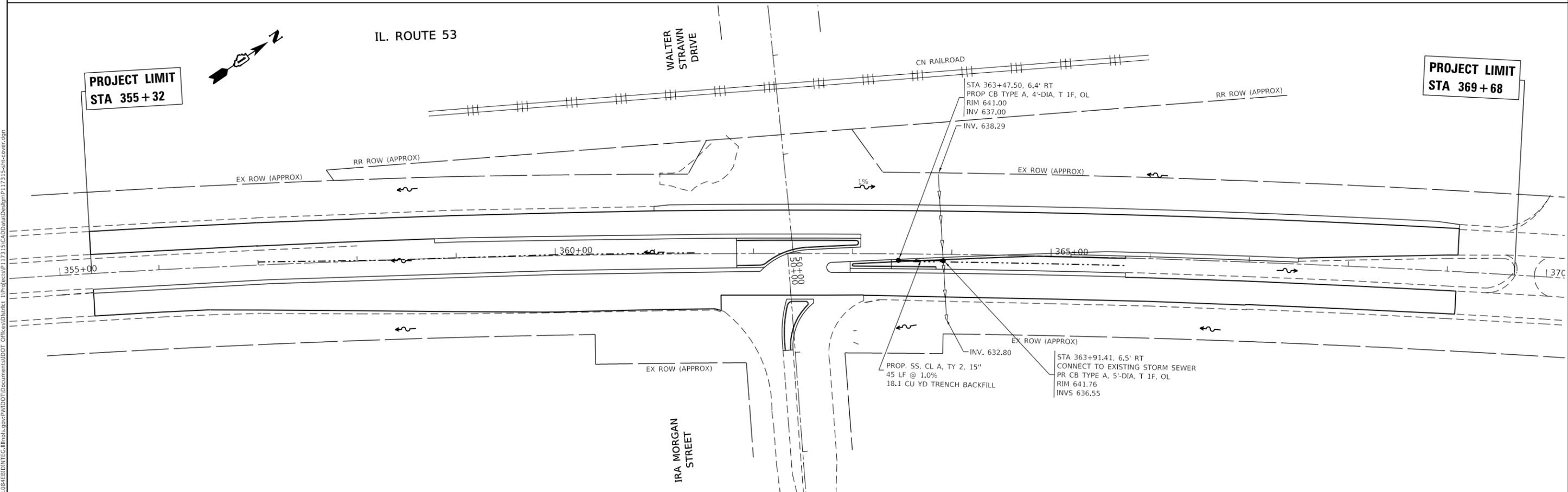
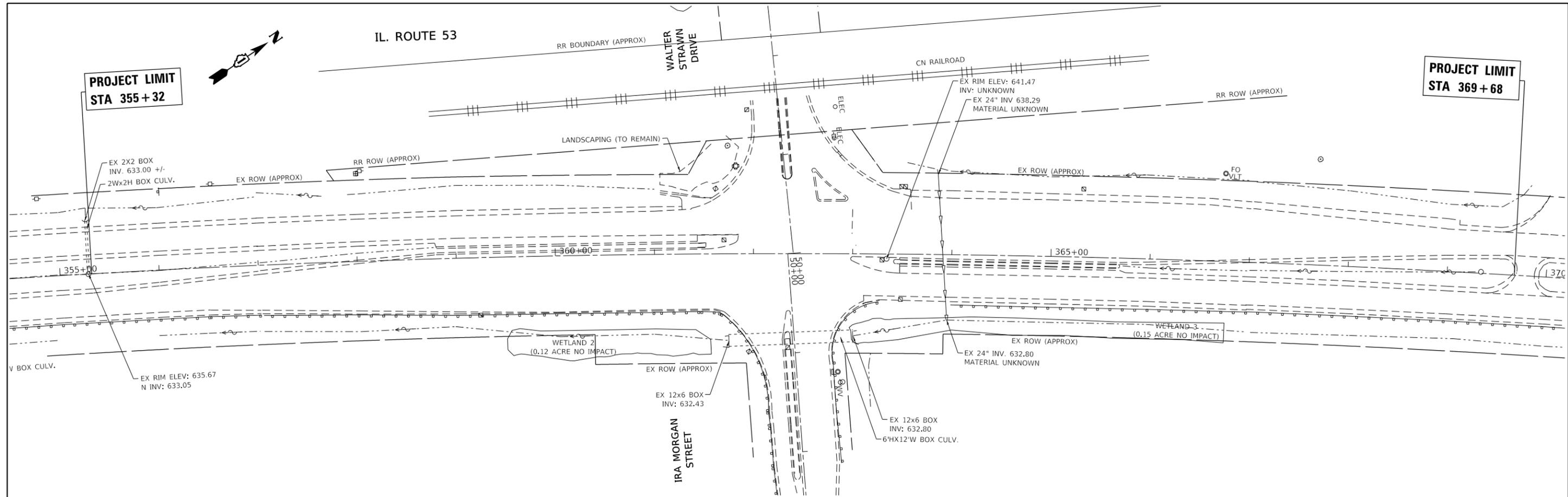
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PLOT DATE = 3/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLAN IL. ROUTE 53 AT WALTER STRAWN DRIVE</b>			
SCALE: 1"= 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-071-I		42	16
			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 3/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PLAN**  
**IL. ROUTE 53 AT WALTER STRAWN DRIVE**

SCALE: 1"= 50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	17
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				

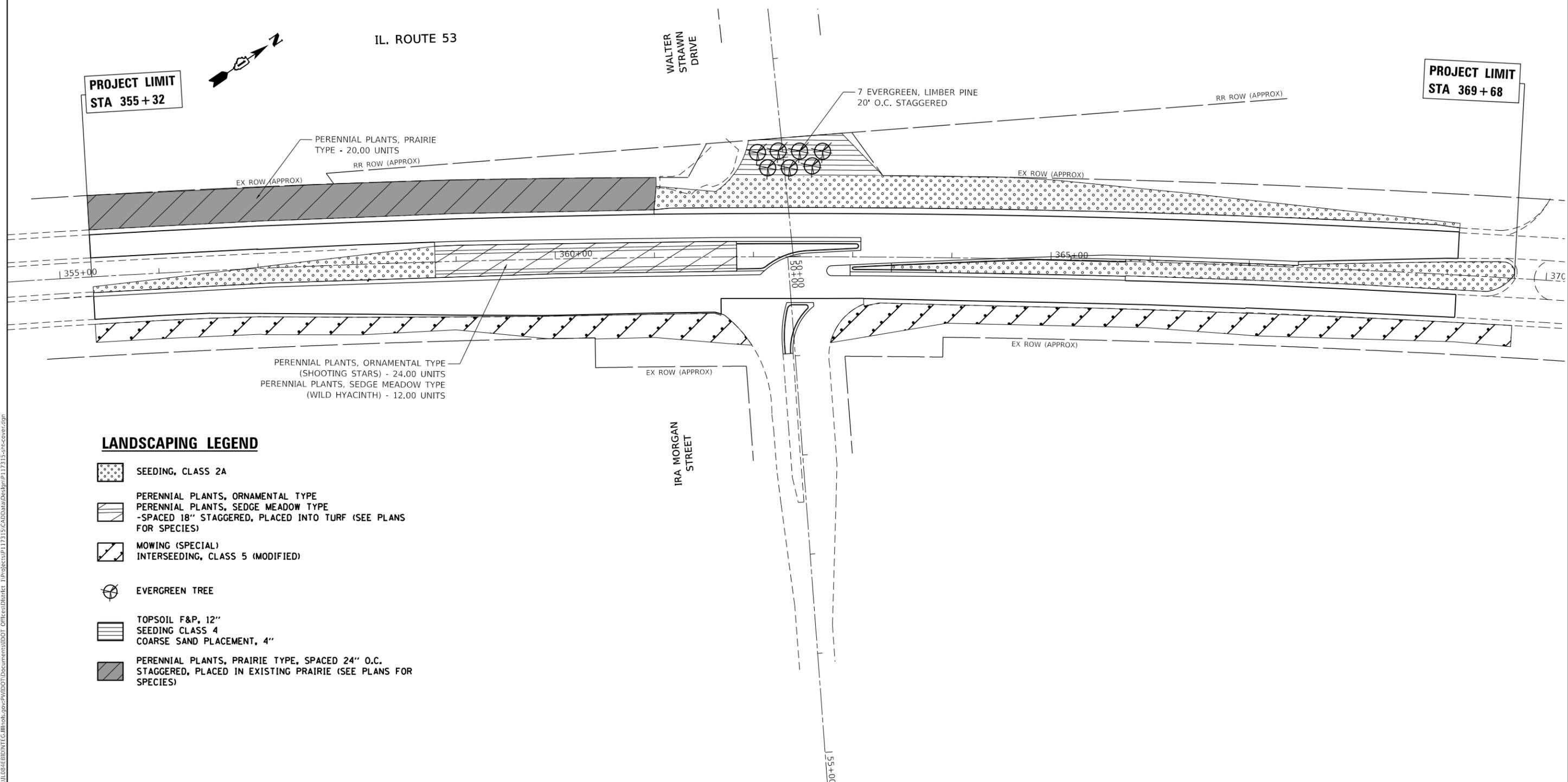
**PROJECT LIMIT  
STA 355 + 32**



IL. ROUTE 53

WALTER STRAWN DRIVE

**PROJECT LIMIT  
STA 369 + 68**



**LANDSCAPING LEGEND**

-  SEEDING, CLASS 2A
-  PERENNIAL PLANTS, ORNAMENTAL TYPE  
PERENNIAL PLANTS, SEDGE MEADOW TYPE  
-SPACED 18" STAGGERED, PLACED INTO TURF (SEE PLANS FOR SPECIES)
-  MOWING (SPECIAL)  
INTERSEEDING, CLASS 5 (MODIFIED)
-  EVERGREEN TREE
-  TOPSOIL F&P, 12"  
SEEDING CLASS 4  
COARSE SAND PLACEMENT, 4"
-  PERENNIAL PLANTS, PRAIRIE TYPE, SPACED 24" O.C.  
STAGGERED, PLACED IN EXISTING PRAIRIE (SEE PLANS FOR SPECIES)

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PLOT DATE = 3/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED LANDSCAPE PLAN IL. ROUTE 53 AT WALTER STRAWN DRIVE</b>			
SCALE: 1"= 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-071-I		42	18
			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. ALL EXISTING CONDUIT SHALL BE ABANDONED.
2. THE TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE CONFLICTING MOVEMENTS OUT OF IDA MORGAN RD HAVE BEEN RESTRICTED OR AS DIRECTED BY THE ENGINEER.
3. TWO CHANGEABLE MESSAGE SIGNS ON IL RTE 53 AND ONE CHANGEABLE MESSAGE SIGN ON IDA MORGAN RD WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL EQUIPMENT IS REMOVED.

**REMOVAL NOTES:**

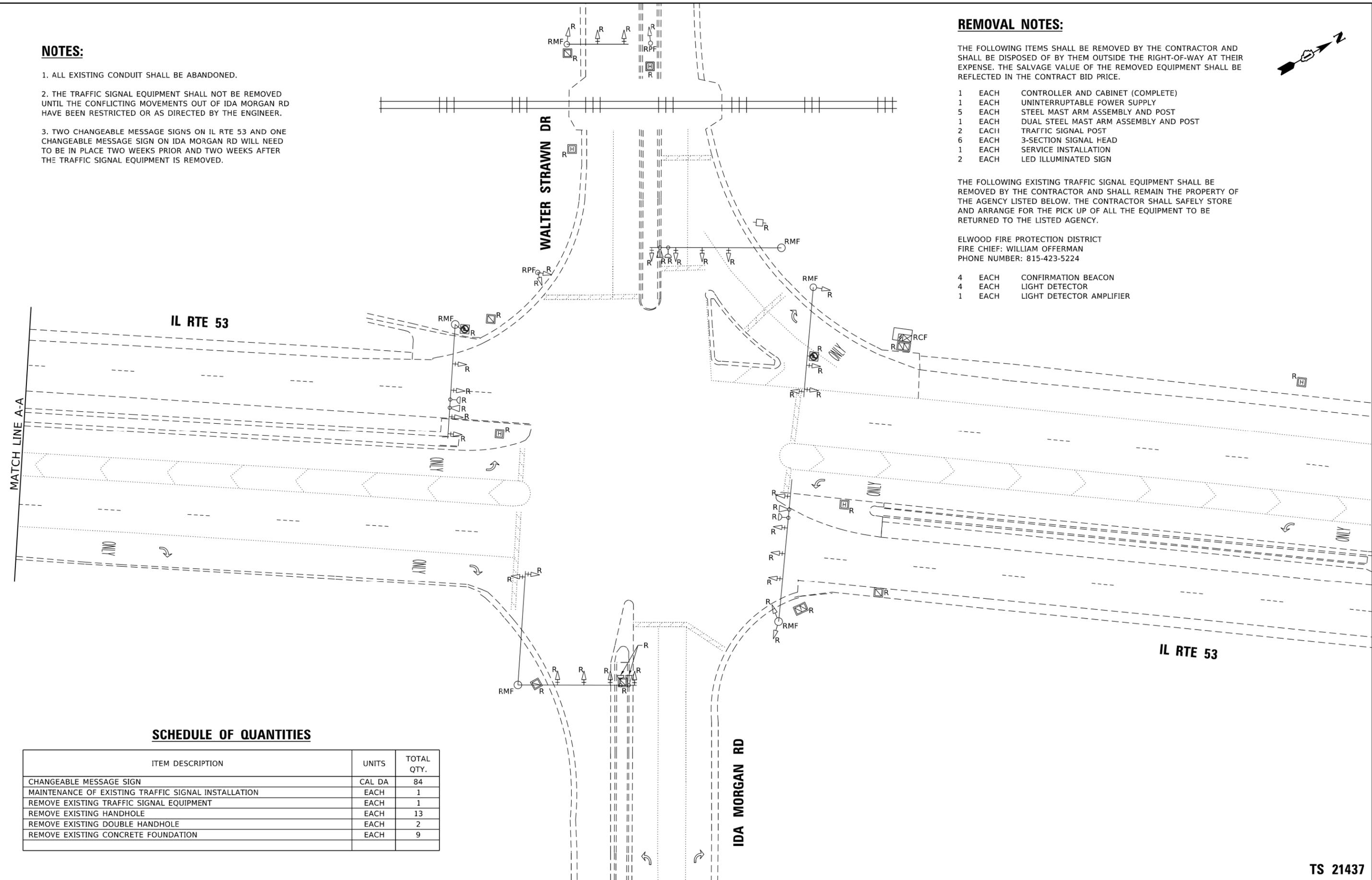
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- |   |      |                                       |
|---|------|---------------------------------------|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE)     |
| 1 | EACH | UNINTERRUPTABLE POWER SUPPLY          |
| 5 | EACH | STEEL MAST ARM ASSEMBLY AND POST      |
| 1 | EACH | DUAL STEEL MAST ARM ASSEMBLY AND POST |
| 2 | EACH | TRAFFIC SIGNAL POST                   |
| 6 | EACH | 3-SECTION SIGNAL HEAD                 |
| 1 | EACH | SERVICE INSTALLATION                  |
| 2 | EACH | LED ILLUMINATED SIGN                  |

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

ELWOOD FIRE PROTECTION DISTRICT  
 FIRE CHIEF: WILLIAM OFFERMAN  
 PHONE NUMBER: 815-423-5224

- |   |      |                          |
|---|------|--------------------------|
| 4 | EACH | CONFIRMATION BEACON      |
| 4 | EACH | LIGHT DETECTOR           |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
CHANGEABLE MESSAGE SIGN	CAL DA	84
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9

**TS 21437**

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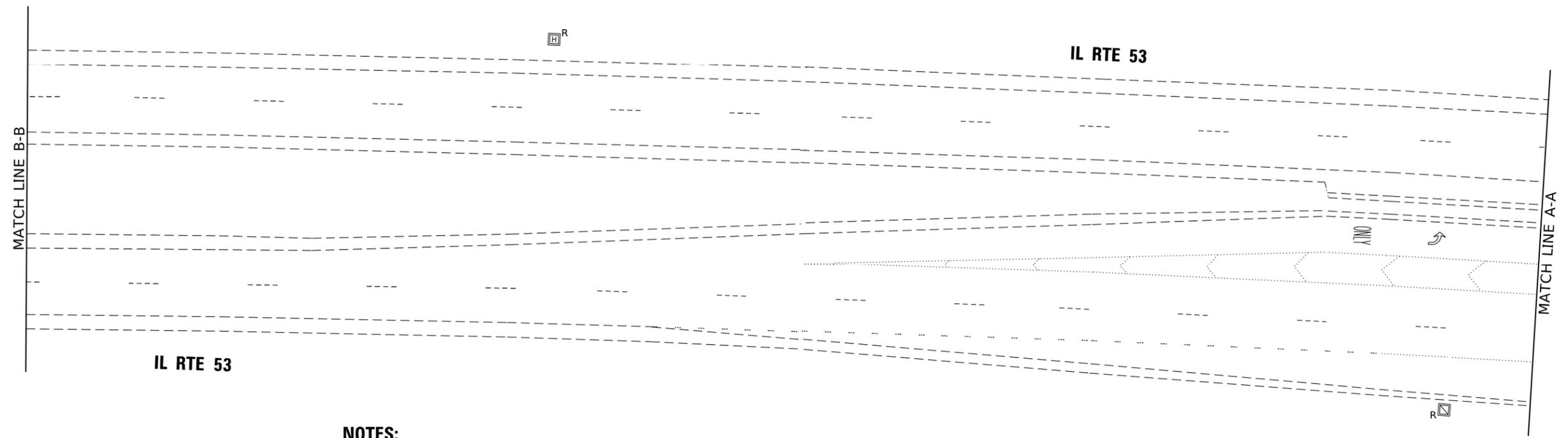
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN (SHEET 1 OF 2)  
 IL RTE 53 AND WALTER STRAWN DR/IRA MORGAN RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	19
			CONTRACT NO. 62H20	
ILLINOIS FED. AID PROJECT				



IL RTE 53

IL RTE 53

MATCH LINE B-B

MATCH LINE A-A

**NOTES:**

- 1. ALL EXISTING CONDUIT SHALL BE ABANDONED.



IL RTE 53

IL RTE 53

MATCH LINE B-B

MATCH LINE B-B

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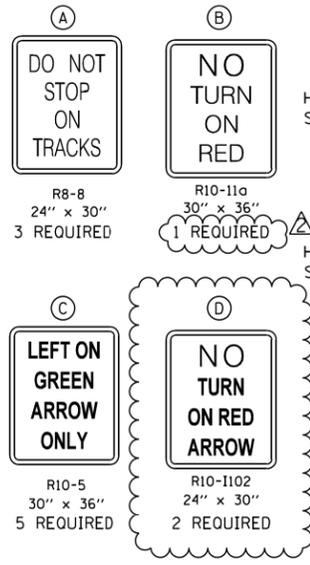
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PLOT DATE = 1/22/2019	DATE - 1/15/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN (SHEET 2 OF 2)**  
**IL RTE 53 AND WALTER STRAWN DR/IRA MORGAN RD**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	20
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				



- CONSTRUCTION NOTES:**
- 1 TRAFFIC SIGNAL SHOULD BE INSTALLED AT AN 8 FT MOUNTING HEIGHT AND SHOULD NOT OBSTRUCT RAILROAD SIGNAL.
  - 2 TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE INSTALLED AT LEAST 10 FEET FROM RAILROAD CROSSING DETECTOR LOOPS.
  - 3 DIRECTIONAL DRILL CONDUIT UNDER THE PROPOSED RAILROAD TRACK A MINIMUM OF 5.5 FT BELOW BASE OF RAIL.
  - 4 CONDUIT TO BE TERMINATED INTO THE BUNGALOW OR JUNCTION BOX MOUNTED TO THE BUNGALOW (IF PRESENT), CONTRACTOR TO COORDINATE EXACT CONDUIT TERMINATION AND TERMINATION OF CONDUCTORS/CABLE WITH RAILROAD FORCES IN THE FIELD.

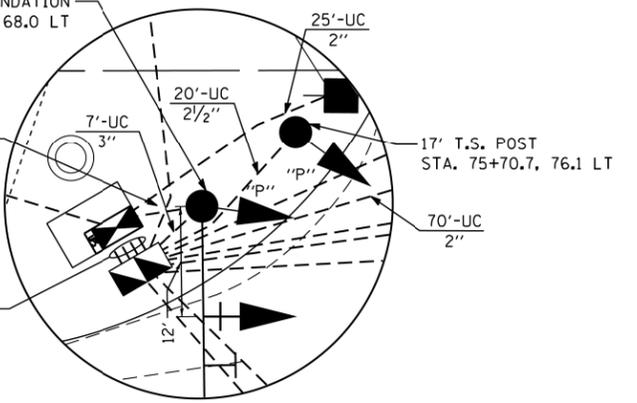
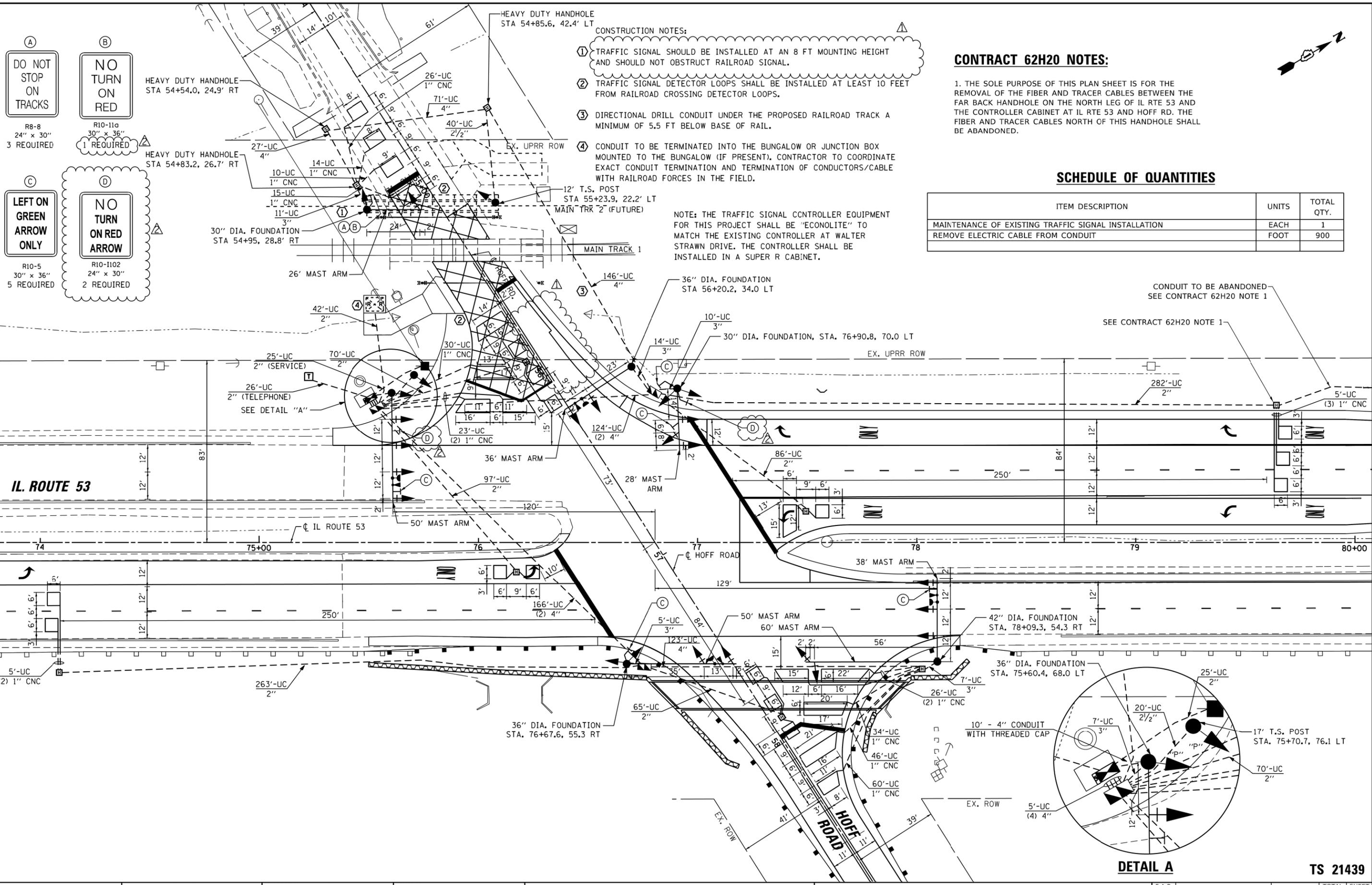
**CONTRACT 62H20 NOTES:**

1. THE SOLE PURPOSE OF THIS PLAN SHEET IS FOR THE REMOVAL OF THE FIBER AND TRACER CABLES BETWEEN THE FAR BACK HANDHOLE ON THE NORTH LEG OF IL RTE 53 AND THE CONTROLLER CABINET AT IL RTE 53 AND HOFF RD. THE FIBER AND TRACER CABLES NORTH OF THIS HANDHOLE SHALL BE ABANDONED.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	900

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING CONTROLLER AT WALTER STRAWN DRIVE. THE CONTROLLER SHALL BE INSTALLED IN A SUPER R CABINET.



**DETAIL A**

**TS 21439**

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USER NAME = plascenciai	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 1/22/2019	DATE - 1/15/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN AND SCHEDULE OF QUANTITIES  
IL RTE 53 AND HOFF RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION 2018-071-I	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 21
ILLINOIS FED. AID PROJECT				

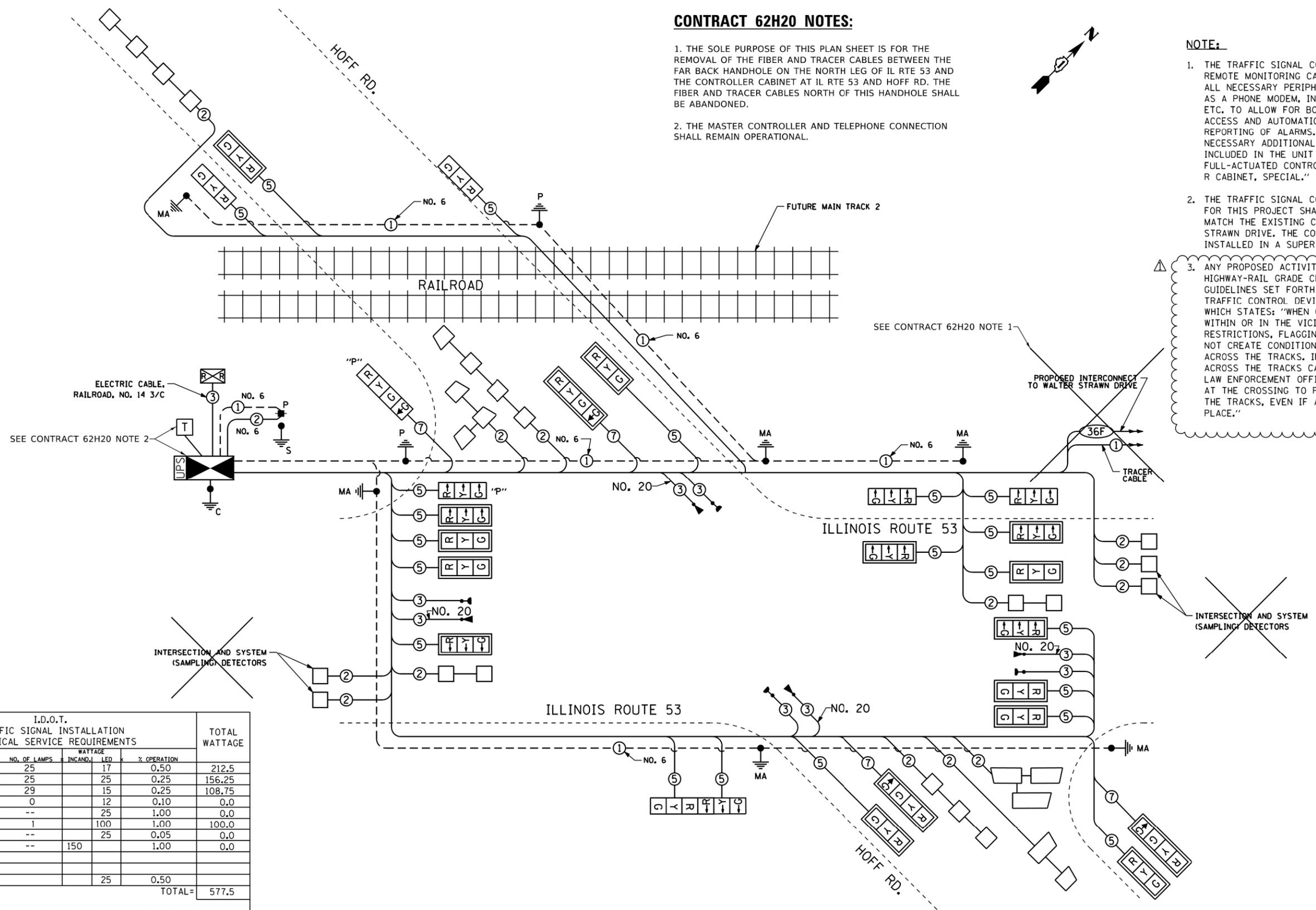
**CONTRACT 62H20 NOTES:**

1. THE SOLE PURPOSE OF THIS PLAN SHEET IS FOR THE REMOVAL OF THE FIBER AND TRACER CABLES BETWEEN THE FAR BACK HANDHOLE ON THE NORTH LEG OF IL RTE 53 AND THE CONTROLLER CABINET AT IL RTE 53 AND HOFF RD. THE FIBER AND TRACER CABLES NORTH OF THIS HANDHOLE SHALL BE ABANDONED.
2. THE MASTER CONTROLLER AND TELEPHONE CONNECTION SHALL REMAIN OPERATIONAL.



**NOTE:**

1. THE TRAFFIC SIGNAL CONTROLLER SHALL HAVE REMOTE MONITORING CAPABILITIES INCLUDING ALL NECESSARY PERIPHERAL HARDWARE SUCH AS A PHONE MODEM, INTERSECTION MONITOR, ETC. TO ALLOW FOR BOTH REMOTE DIAL-IN ACCESS AND AUTOMATIC CONTROLLER DIAL-OUT REPORTING OF ALARMS. THE COST OF THE NECESSARY ADDITIONAL HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR "RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET, SPECIAL."
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING CONTROLLER AT WALTER STRAWN DRIVE. THE CONTROLLER SHALL BE INSTALLED IN A SUPER R CABINET.
3. ANY PROPOSED ACTIVITY IN THE VICINITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), UNDER SECTION 6G.18, WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF THE VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	25	17	0.50	212.5	
(YELLOW)	25	25	0.25	156.25	
(GREEN)	29	15	0.25	108.75	
ARROW	0	12	0.10	0.0	
PED. SIGNAL	--	25	1.00	0.0	
CONTROLLER	1	100	1.00	100.0	
ILLUM. SIGN	--	25	0.05	0.0	
VIDEO SYSTEM	--	150	1.00	0.0	
FLASHER		25	0.50		
ENERGY COST TO:			TOTAL=	577.5	

ILLINOIS DEPARTMENT OF TRANSPORTATION

ENERGY SUPPLY: CONTACT: LUCY ANDERBERG  
 PHONE: (815) 724-5691  
 COMPANY: COMMONWEALTH EDISON

**CABLE PLAN**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
IL RTE 53 AND HOFF RD

TS 21439

USER NAME = plascenciai	DESIGNED - IP	REVISED -
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PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -
PLOT DATE = 1/22/2019	DATE - 1/15/2019	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	22
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				

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# FOR INFORMATION ONLY

## SEQUENCE OF OPERATION

MOVEMENT	1 + 5								1 + 6			2 + 5			2 + 6						3		4								FLASH					
PHASE	1 + 5								1 + 6			2 + 5			2 + 6						3		4													
INTERVAL	1	2A	2B	3A	3B	4A	4B	5	6A	6B	7	8A	8B	9	10A	10B	11A	11B	12A	12B	13A	13B	14	15A	15B	16	17A	17B	17C	17D		18A	18B	18C	18D	
CHANGE TO		1 + 6			2 + 5			2 + 6				2 + 6				1 + 5			1 + 6			2 + 5			4		4, 1 + 5 2 + 5 1 + 6 2 + 6			1 + 5 2 + 5			1 + 6, 2 + 6			
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS S/B	<u>G</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>																	
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS S/B	R	R	R	R	R	R	R	G	G	G	R	R	R	G	Y	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS S/B	<u>R</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>R</u>							
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS N/B	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>														
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
HOFF ROAD FAR LEFT AND LEFT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	<u>G</u>	Y	R	R	R	R	R	R	R	R	R	R	R
HOFF ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
HOFF ROAD (PRE-SIGNAL) ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R
HOFF ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	<u>G</u>	<u>G</u>	<u>G</u>	Y	R	<u>G</u>	<u>G</u>	Y	R	R	R
HOFF ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R

PHASES 2 + 6 SHALL BE PLACED ON RECALL.

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TS 21439

USER NAME = plascenciai	DESIGNED - IP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL SEQUENCE OF OPERATION IL RTE 53 AND HOFF RD</b>				F.A.P. RTE. 846	SECTION 2018-071-I	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 23
PLOT SCALE = 40,0000' / 1"	DRAWN - IP	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62H20	
PLOT DATE = 1/22/2019	CHECKED - LP	REVISED -		ILLINOIS FED. AID PROJECT								
DATE - 1/15/2019	DATE - 1/15/2019	REVISED -										

# FOR INFORMATION ONLY

## EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1		1		5		5		7		7		9		9		9		14		14		16		16		16		PREEMPTOR 3	PREEMPTOR 4	PREEMPTOR 5	PREEMPTOR 6	CLEAR TO NORMAL SEQUENCE					
	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	2	3	4		5				
EMERGENCY VEH. PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	2	3	4	5					
CHANGE TO EMERGENCY VEH. PREEMPTION SEQUENCE OF OPERATION INTERVAL NO.	1B	2	1D	3 OR 5	1F	4	1H	2, 3 OR 5	4	2	1M	3, 4 OR 5	1P	2	1R	3 OR 5	1T	4	1V	2, 3 OR 4	5	1Y	1Z	1AA	2 OR 5	1CC	3	1EE	1FF	1GG	4									
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS <sup>S/B</sup>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	◇			
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS <sup>S/B</sup>	R	R	R	R	R	R	Y	R	G	R	R	R	Y	R	Y	R	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◇	
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS <sup>S/B</sup>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	◇	
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS <sup>N/B</sup>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	◇	
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS <sup>N/B</sup>	R	R	R	R	R	R	R	R	R	C	Y	R	C	C	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◇	
HOFF ROAD FAR LEFT AND LEFT MAST ARM SIGNALS <sup>W/B</sup>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	<u>G</u>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	<u>G</u>	◇
HOFF ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS <sup>W/B</sup>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◇
HOFF ROAD (PRE-SIGNAL) ALL SIGNALS <sup>E/B</sup>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	◇
HOFF ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS <sup>E/B</sup>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	<u>G</u>	<u>G</u>	Y	R	<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	Y	R	R	R	R	R	R	R	R	◇	
HOFF ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL <sup>E/B</sup>	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	◇	

◇ EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, OR 5 IS TERMINATED.

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USER NAME = plascenciai	DESIGNED - IP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION IL RTE 53 AND HOFF RD</b>	F.A.P. RTE. 846	SECTION 2018-071-I	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 24	
PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -			CONTRACT NO. 62H20					
PLOT DATE = 1/22/2019	DATE - 1/15/2019	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:		SHEET OF SHEETS		STA. TO STA.	

# FOR INFORMATION ONLY

## RAILROAD PREEMPTION SEQUENCE OF OPERATION

												PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	PREEMPTOR NUMBER 2									
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5				7		9		14		16													
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER												2	3	4	5										
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	1T	2	1V	2	3	4	5		
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS S/B	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS S/B	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	G	Δ
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS S/B	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS N/B	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	Δ
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS N/B	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	G	Δ
HOFF ROAD FAR LEFT AND LEFT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
HOFF ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
HOFF ROAD (PRE-SIGNAL) ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	Δ
HOFF ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	R	R	R	R	G	Y	R	R	Δ
HOFF ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	R	R	R	R	G	Y	R	R	Δ

HOLD

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD INTERVAL 5 IS TERMINATED.

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TS 21439

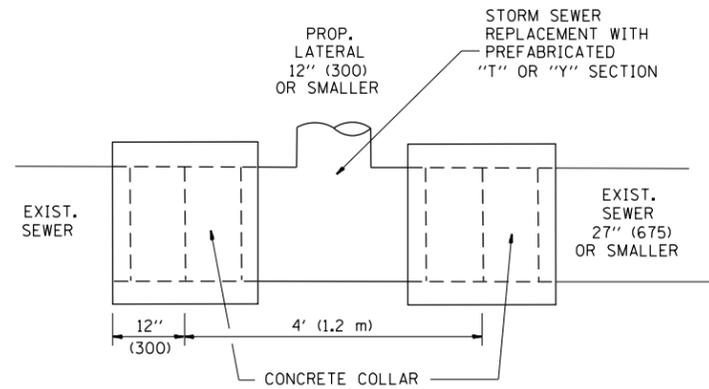
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	DRAWN - IP	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 1/22/2019	DATE - 1/15/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RAILROAD PREEMPTION SEQUENCE OF OPERATION  
IL RTE 53 AND HOFF RD

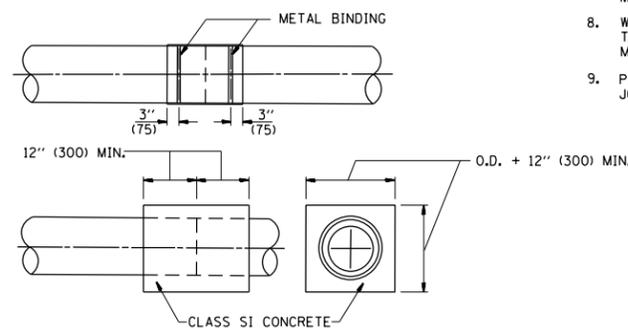
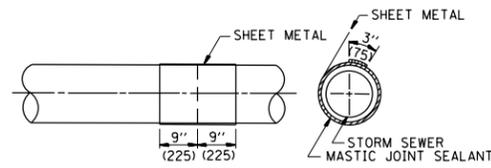
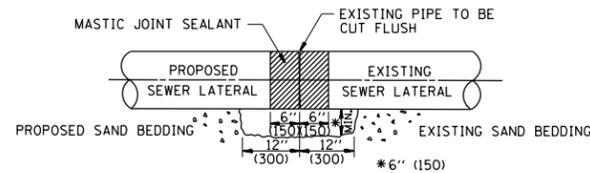
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	25
			CONTRACT NO. 62H20	
ILLINOIS FED. AID PROJECT				



**DETAIL "A"**

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



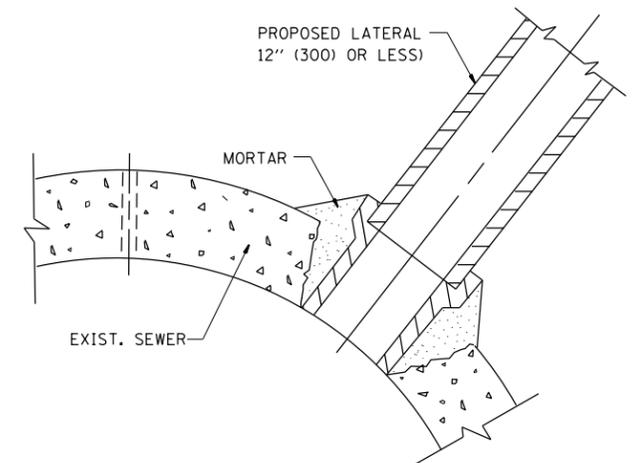
**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**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 CIRCUMFERENCE 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 OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



**DETAIL "C"**

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

**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**

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

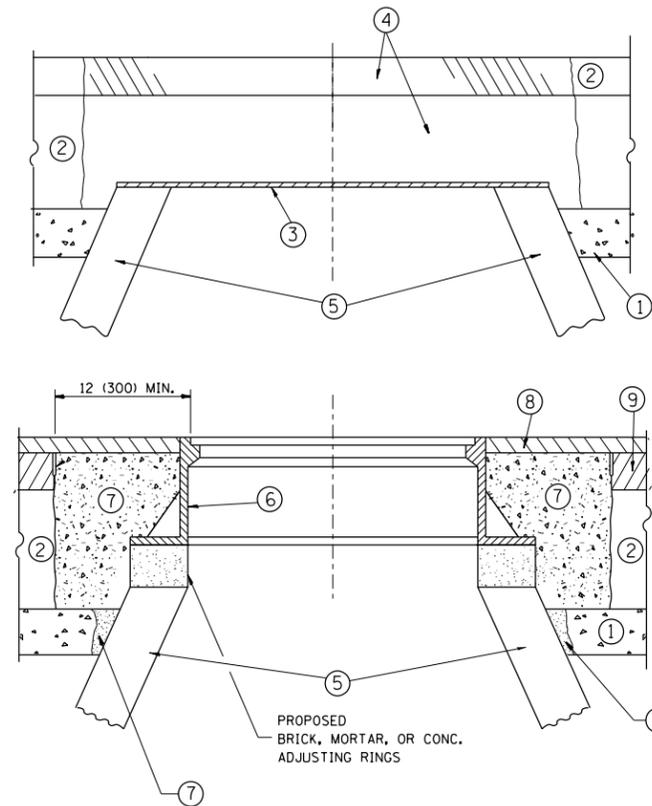
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		DATE - 07-25-90	REVISED - R. SHAH 10-25-94
			REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	26
BD500-01 (BD-7)		CONTRACT NO. 62H20		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**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 A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**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-1\* 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-1\* 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:**

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)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

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.

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.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

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

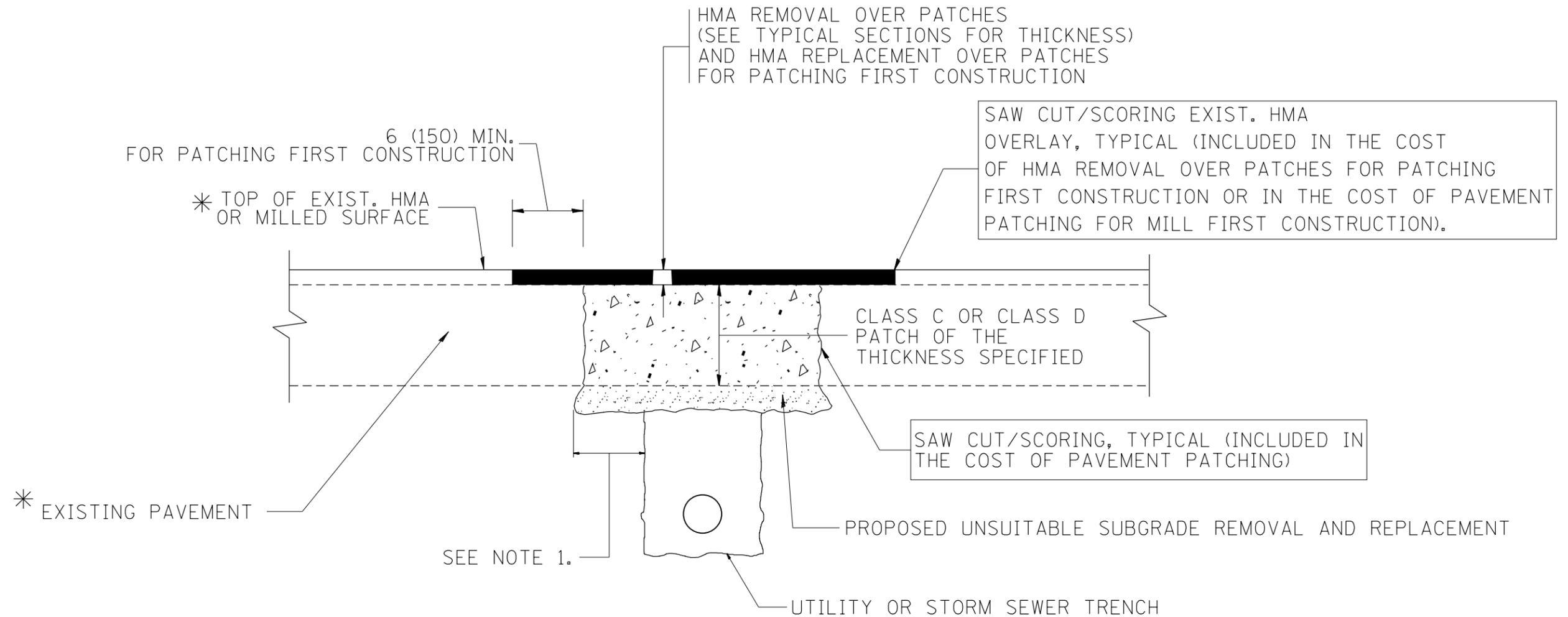
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = ldezmar	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI17\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 10-25-94	REVISED - R. BORO 03-09-11
			REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	27
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 62H20</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

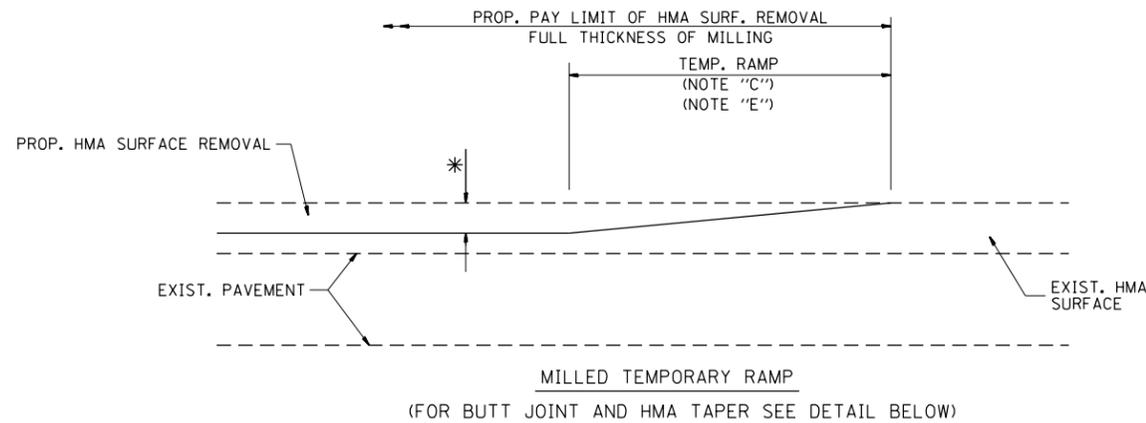
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

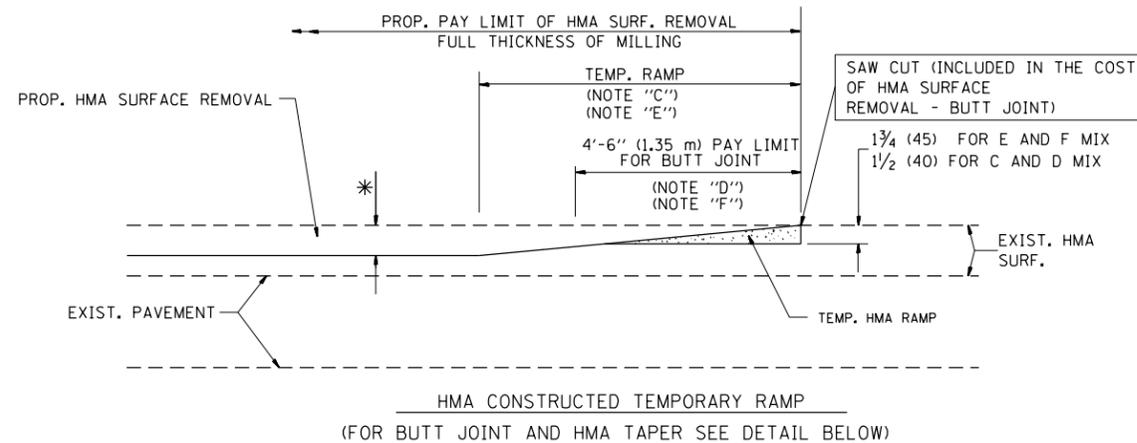
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = ldezmar	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/1/2019	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 62H20</b>				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

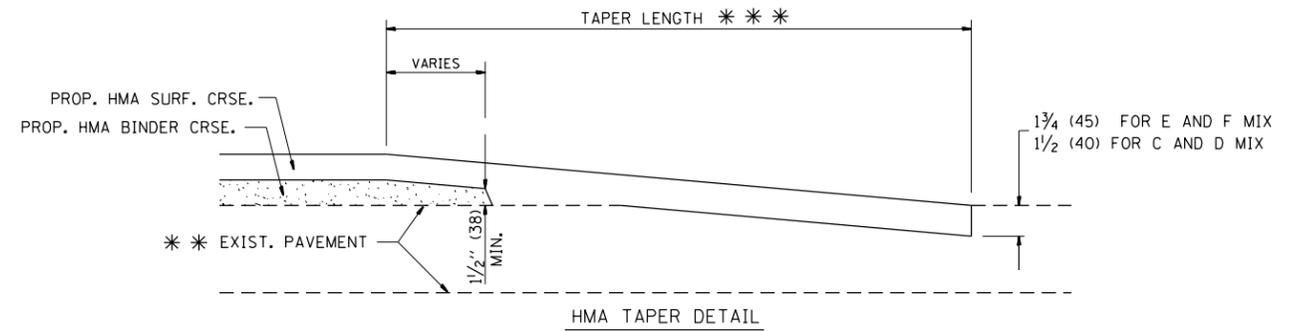
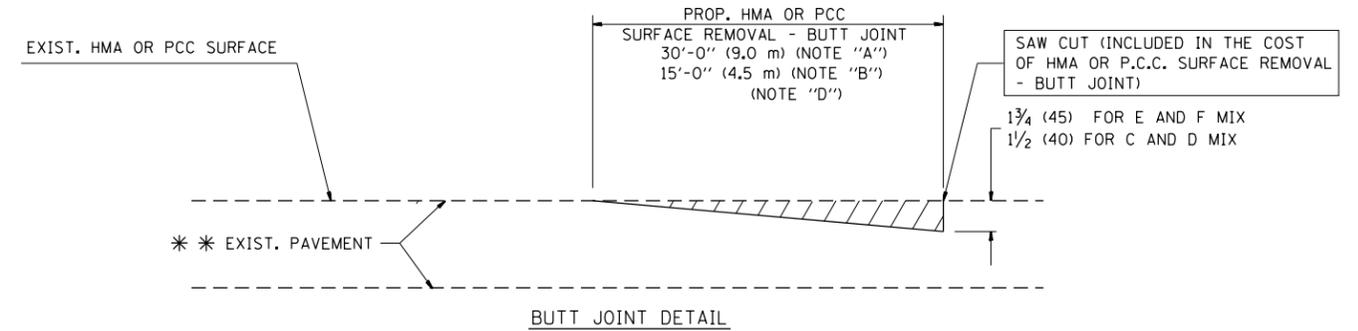


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

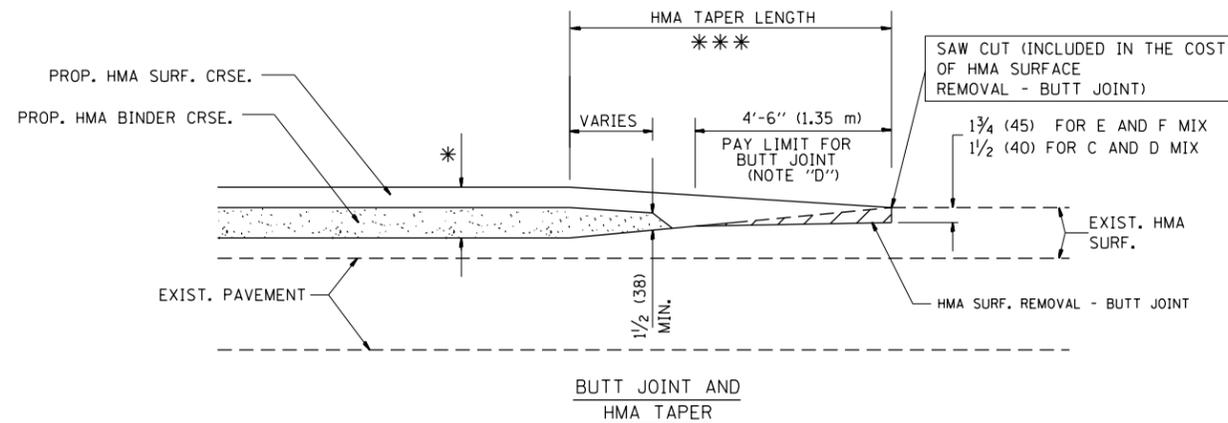
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \* \* \* 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:**

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".

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



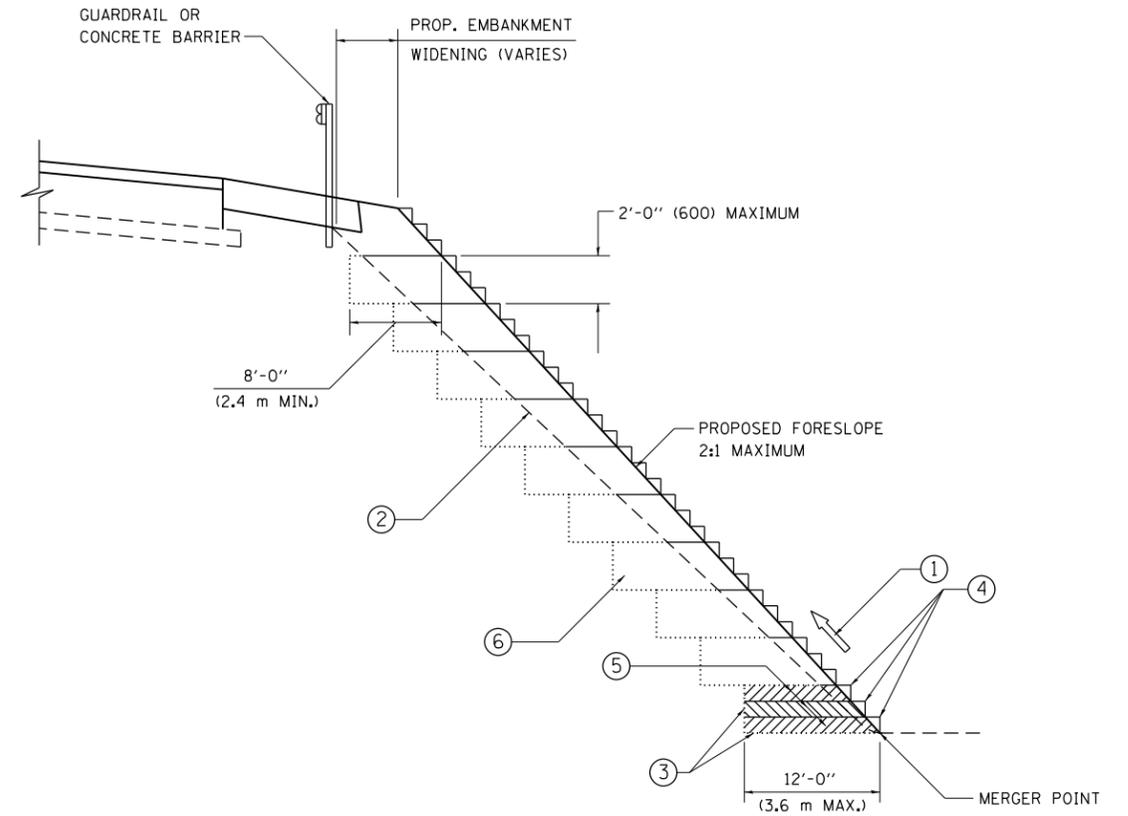
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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	PLOT DATE = 2/1/2019	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	29
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 62H20</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

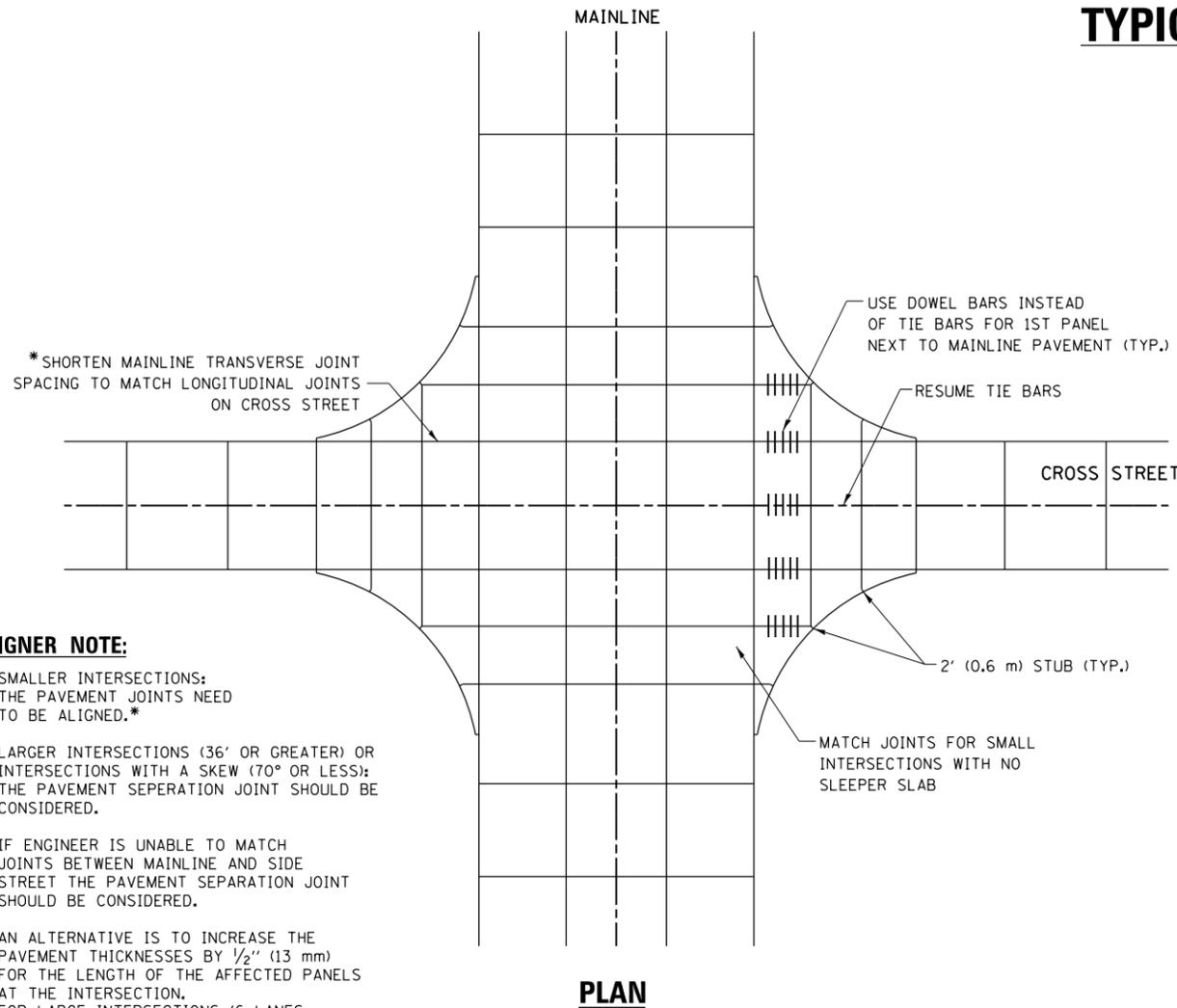
**BENCHING DETAIL  
FOR EMBANKMENT WIDENING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	30
BD-51		CONTRACT NO. 62H20		
ILLINOIS FED. AID PROJECT				

# TYPICAL APPLICATION

THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



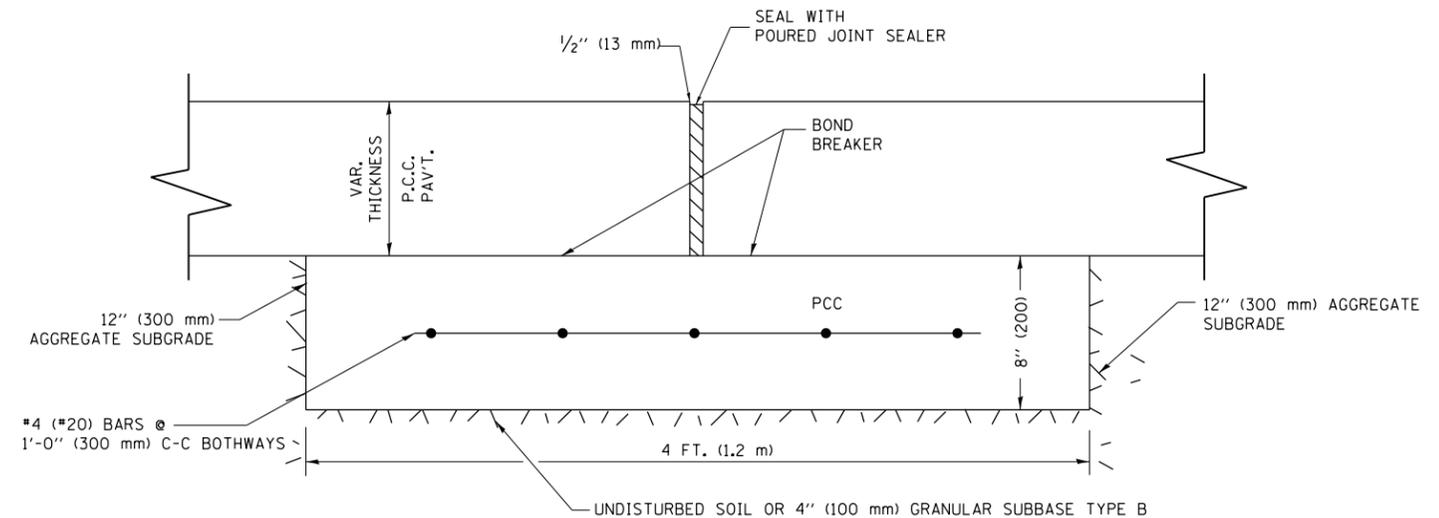
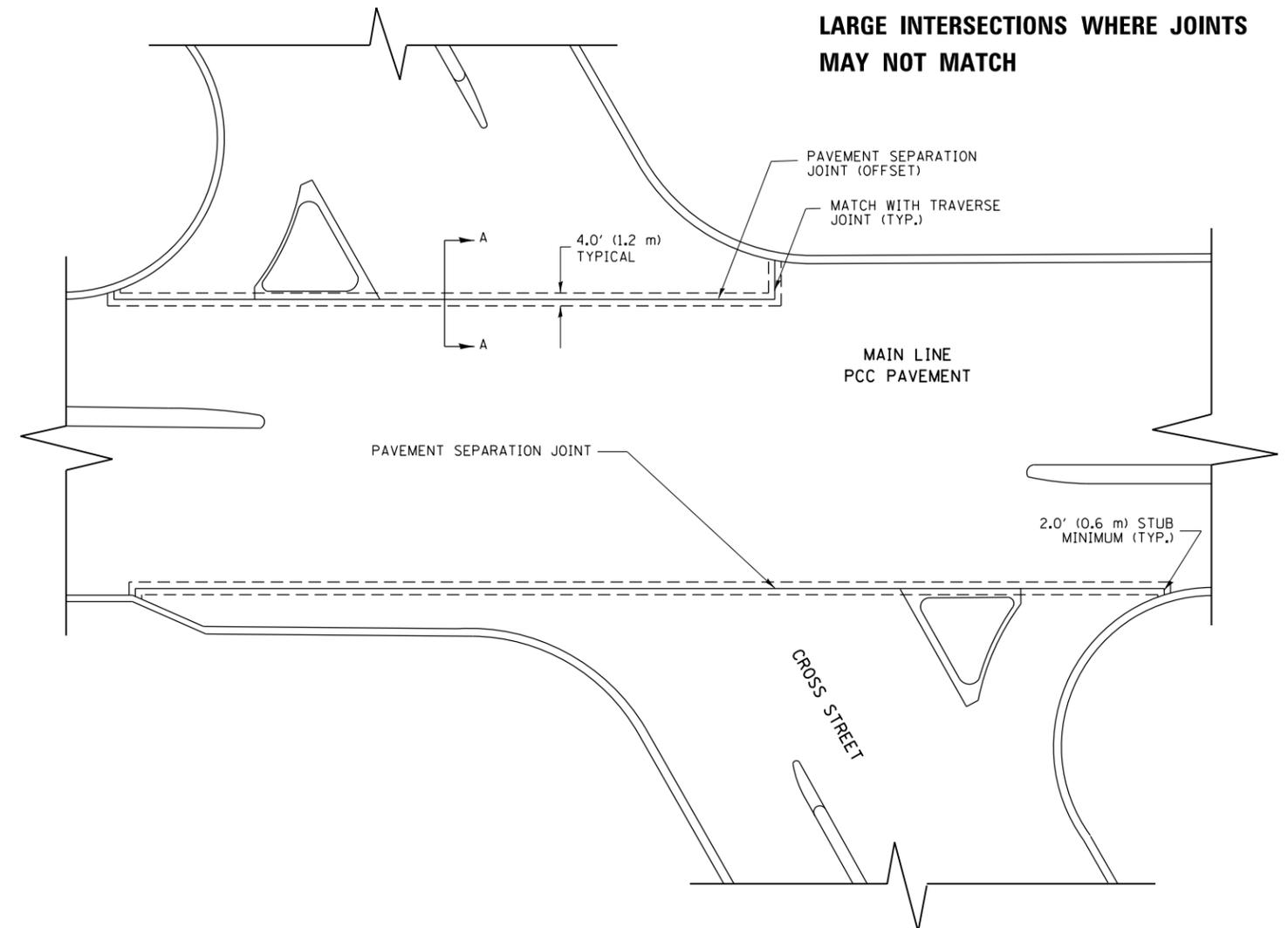
**PLAN**

**DESIGNER NOTE:**

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.\*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.

**NOTE:**

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



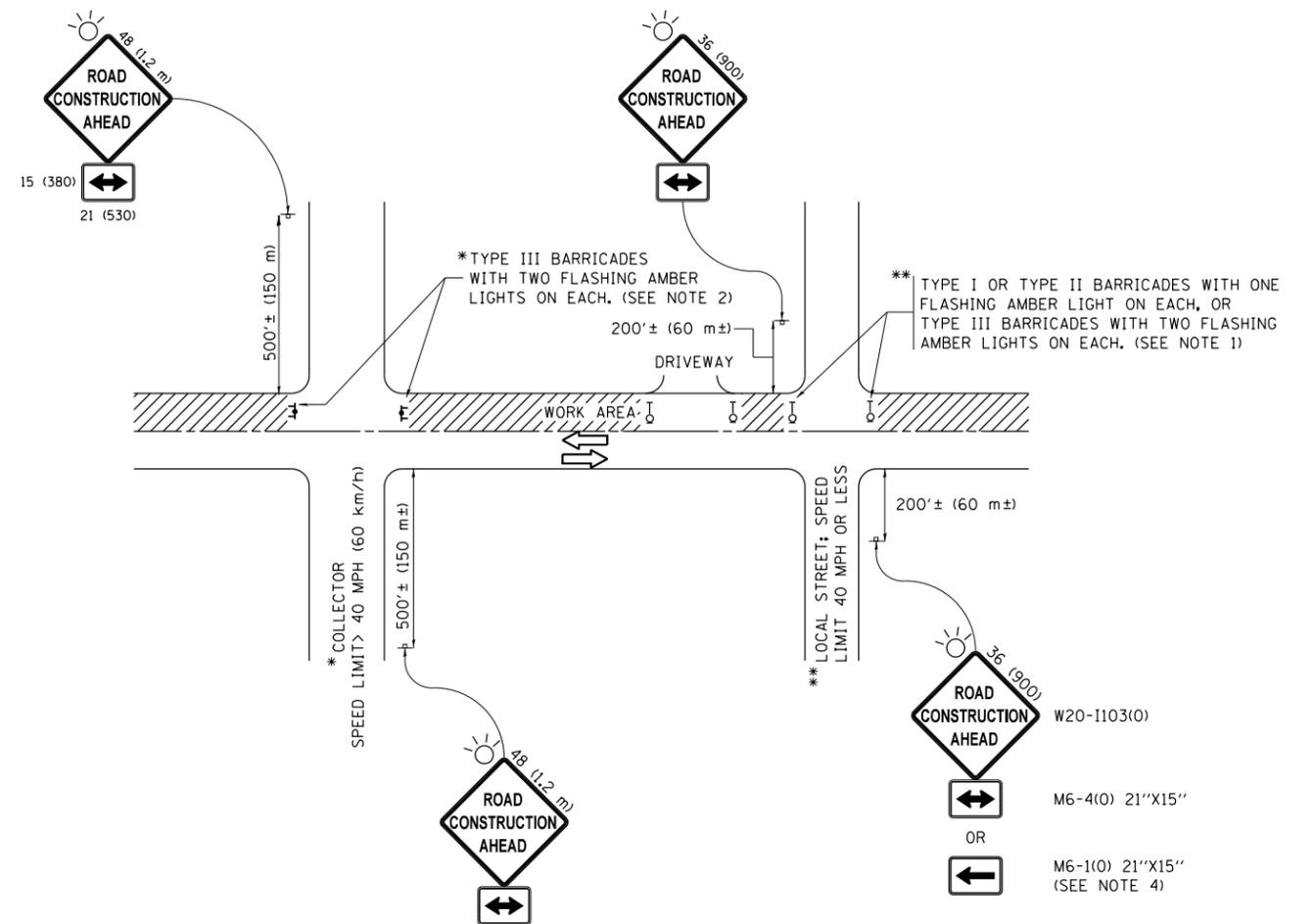
**PROPOSED SECTION A-A**

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	31
BD52			CONTRACT NO. 62H20	
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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY 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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING 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.

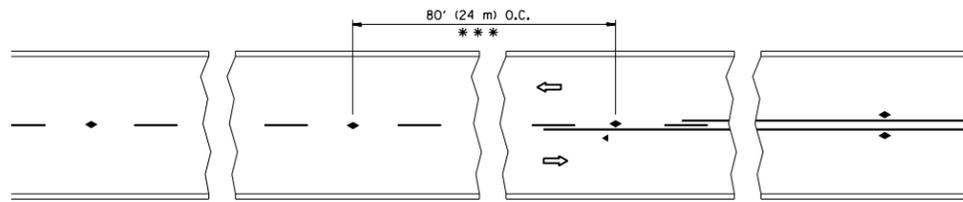
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	PLOT DATE = 2/1/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

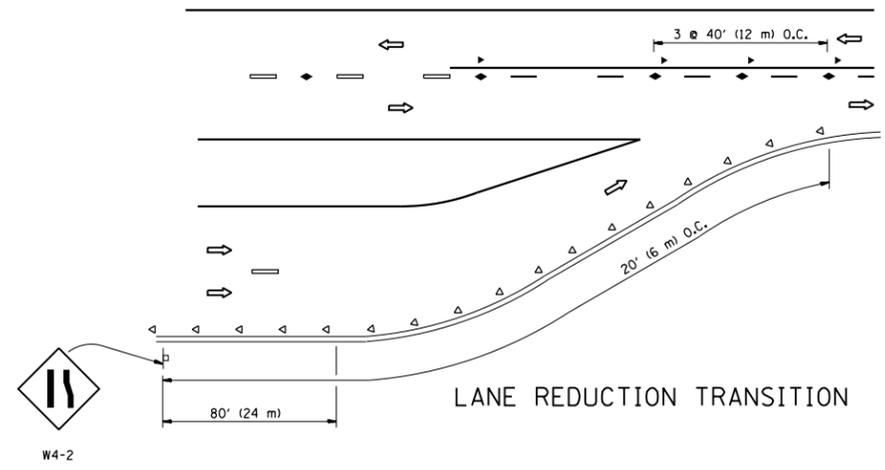
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	32
<b>TC-10</b>			<b>CONTRACT NO. 62H20</b>	
ILLINOIS FED. AID PROJECT				

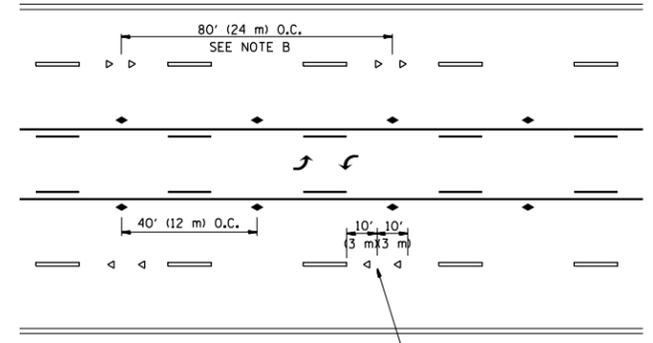


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

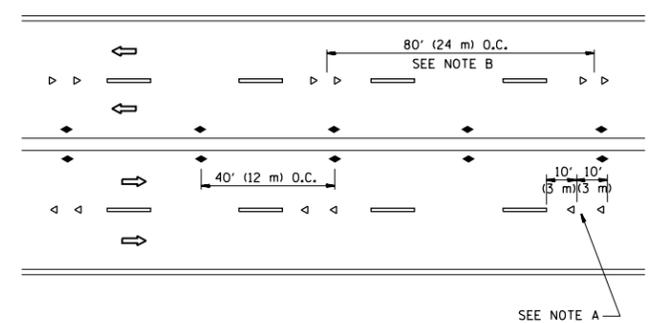
TWO-LANE/TWO-WAY



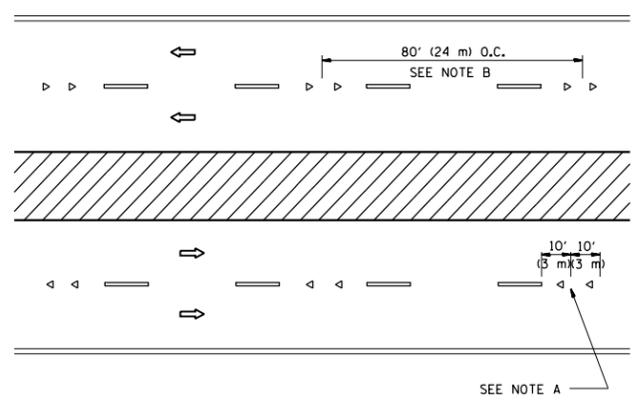
LANE REDUCTION TRANSITION



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.

SYMBOLS

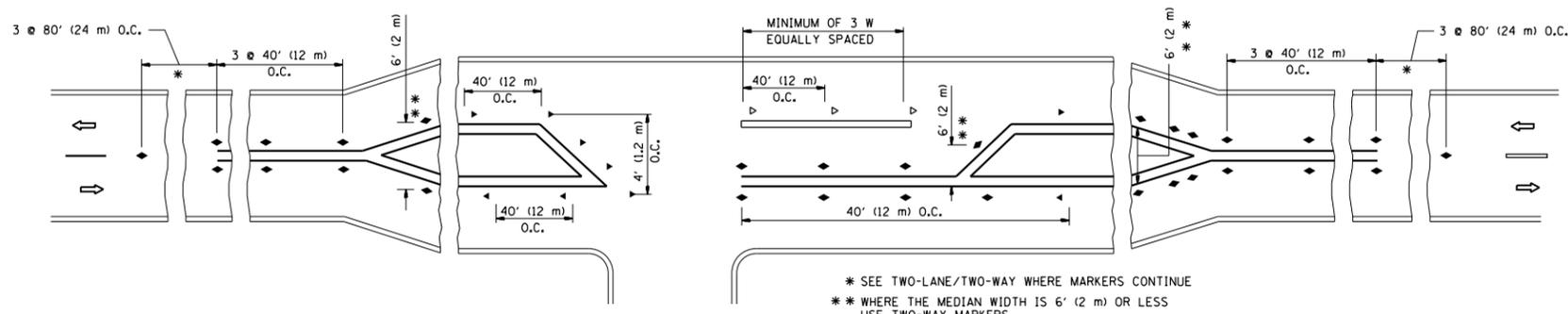
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

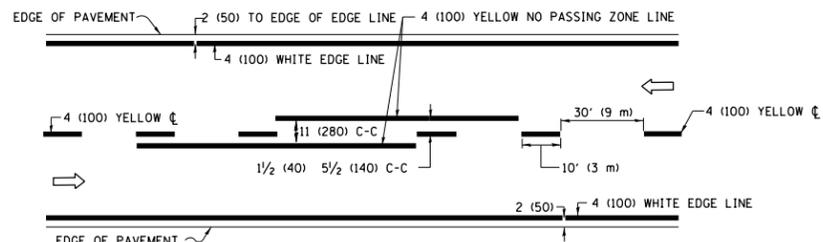


LEFT TURN

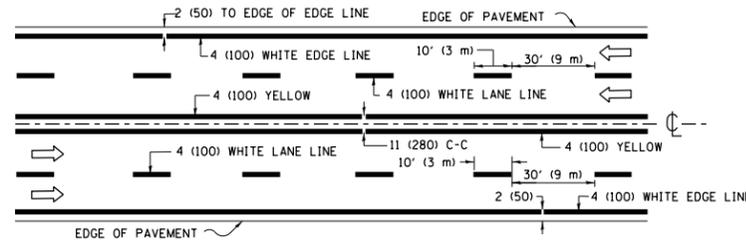
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

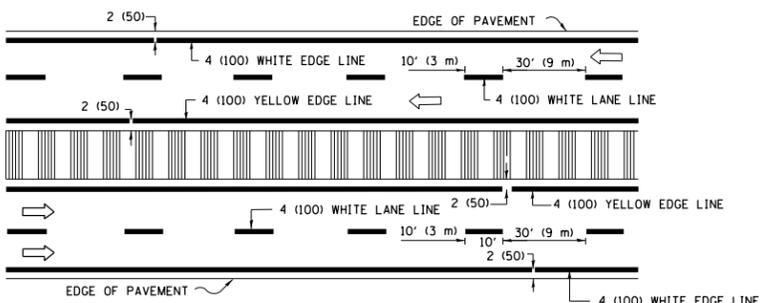
FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI1781\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99					846	2018-071-1	WILL	42	33
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED - T. RAMMACHER 01-06-00		<b>TC-11</b>			<b>CONTRACT NO. 62H20</b>				
PLOT DATE = 2/1/2019			REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

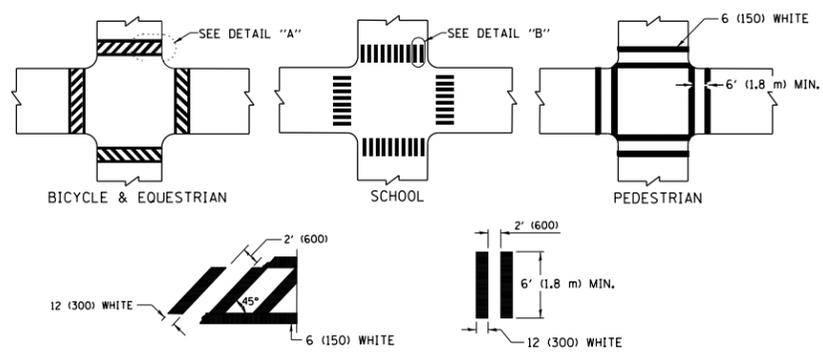


**MULTI-LANE UNDIVIDED**



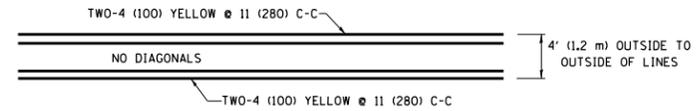
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

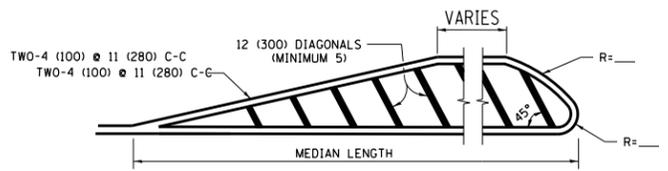


**TYPICAL CROSSWALK MARKING**

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

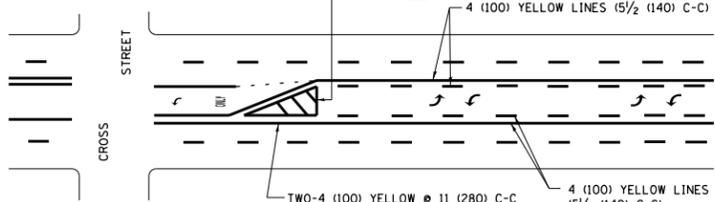


**4' (1.2 m) WIDE MEDIANS ONLY**



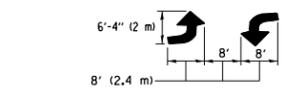
**MEDIANS OVER 4' (1.2 m) WIDE**

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**

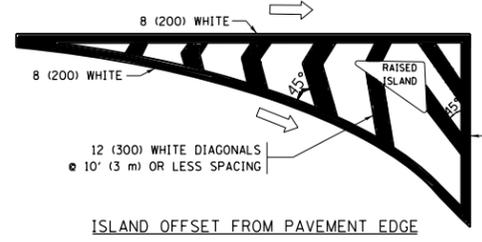
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



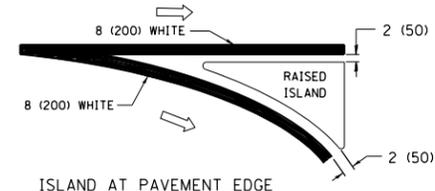
**TYPICAL LEFT (OR RIGHT) TURN LANE**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

**TYPICAL TURN LANE MARKING**

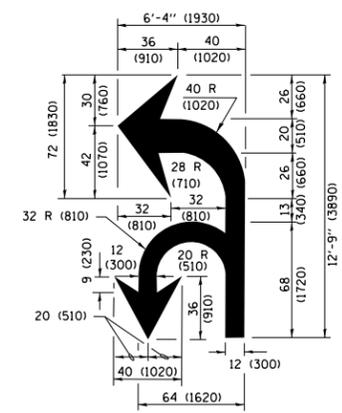


**ISLAND OFFSET FROM PAVEMENT EDGE**

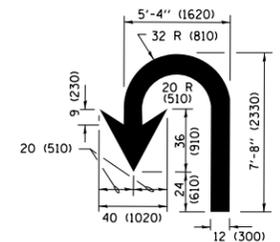


**ISLAND AT PAVEMENT EDGE**

**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 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

FILE NAME =	USER NAME = ledemzarm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\11\inois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI17\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 2/1/2019		REVISED - C. JUCIUS 04-12-16

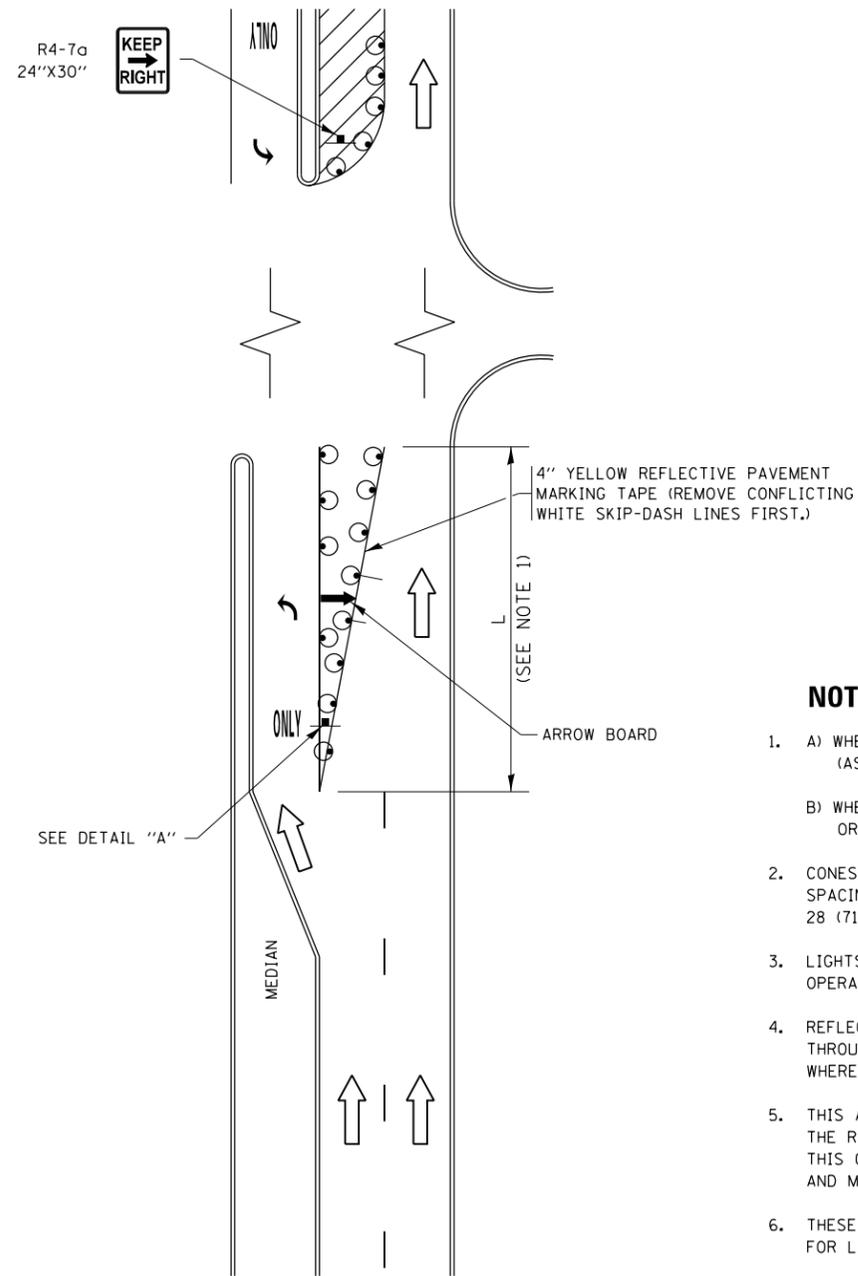
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

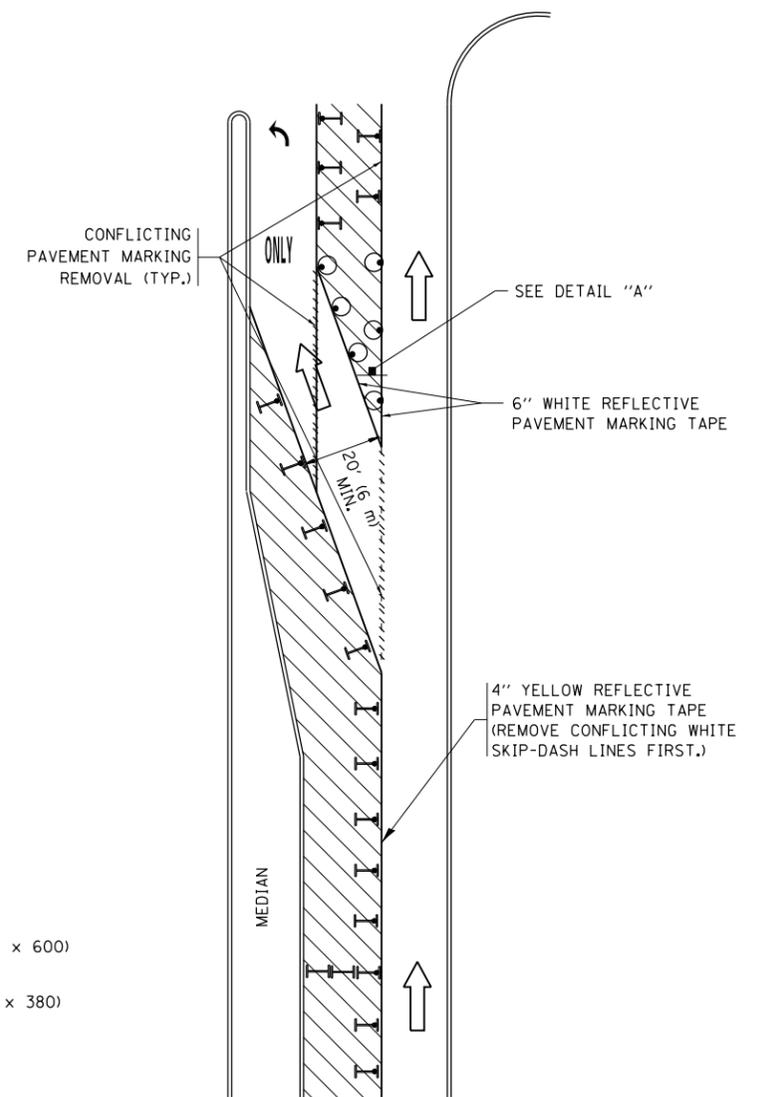
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-1	WILL	42	34
<b>TC-13</b>		<b>CONTRACT NO. 62H20</b>		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

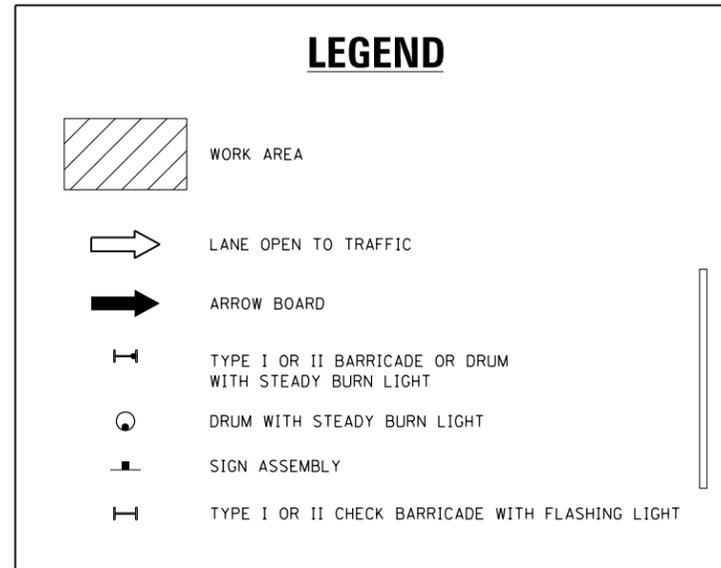


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

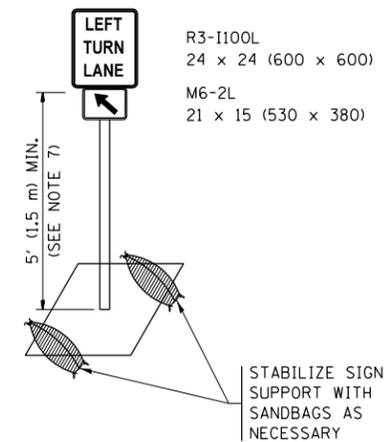


**FIGURE 2**



### NOTES:

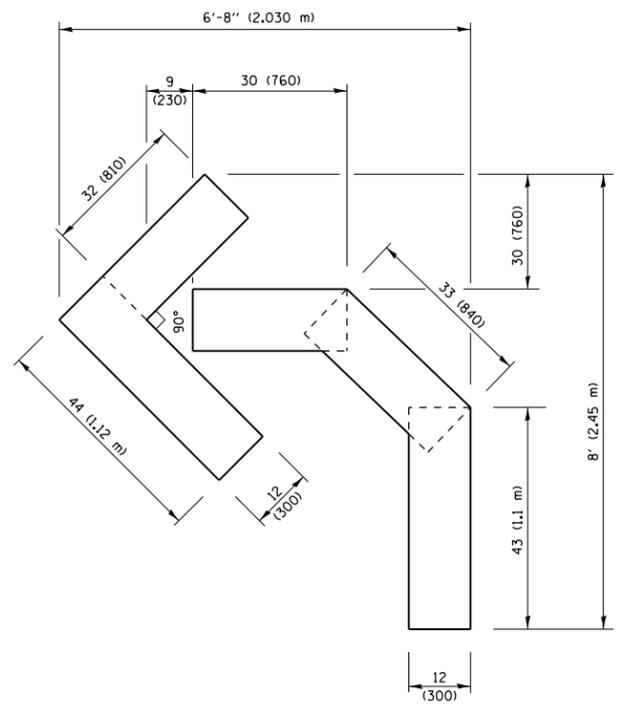
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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 PREQUIREMENTS.
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.



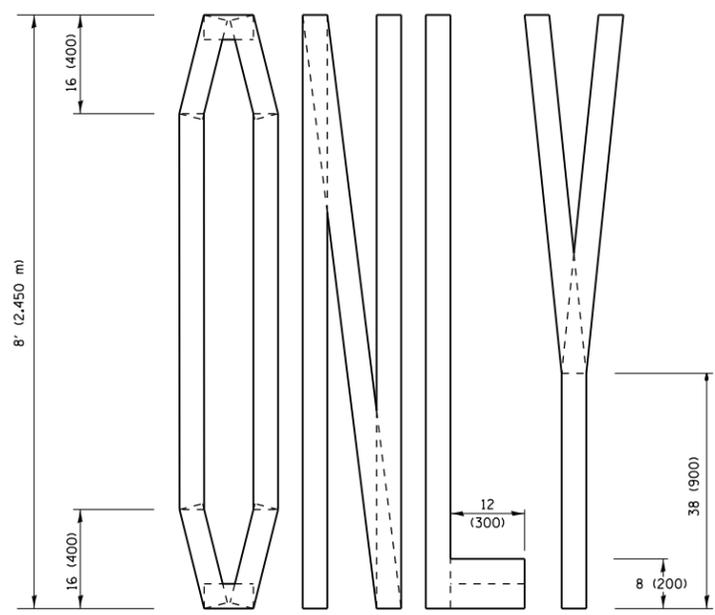
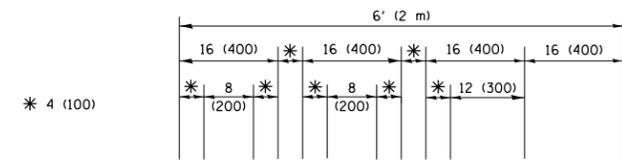
**DETAIL A**

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

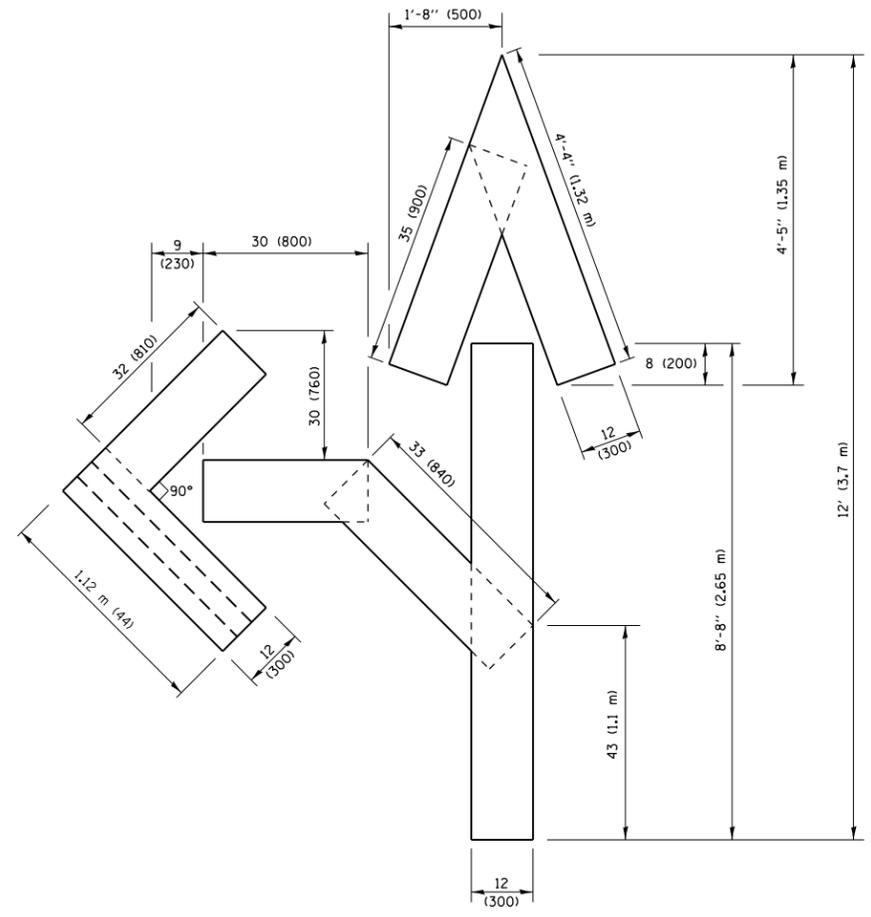
FILE NAME =	USER NAME = ledezmar	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A.P. R.T.E. = 846	SECTION = 2018-071-1	COUNTY = WILL	TOTAL SHEETS = 42	SHEET NO. = 35	
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>TC-14</b>		CONTRACT NO. 62H20
	PLOT DATE = 2/1/2019	REVISED - T. RAMMACHER 01-06-00	REVISED -					ILLINOIS FED. AID PROJECT			



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

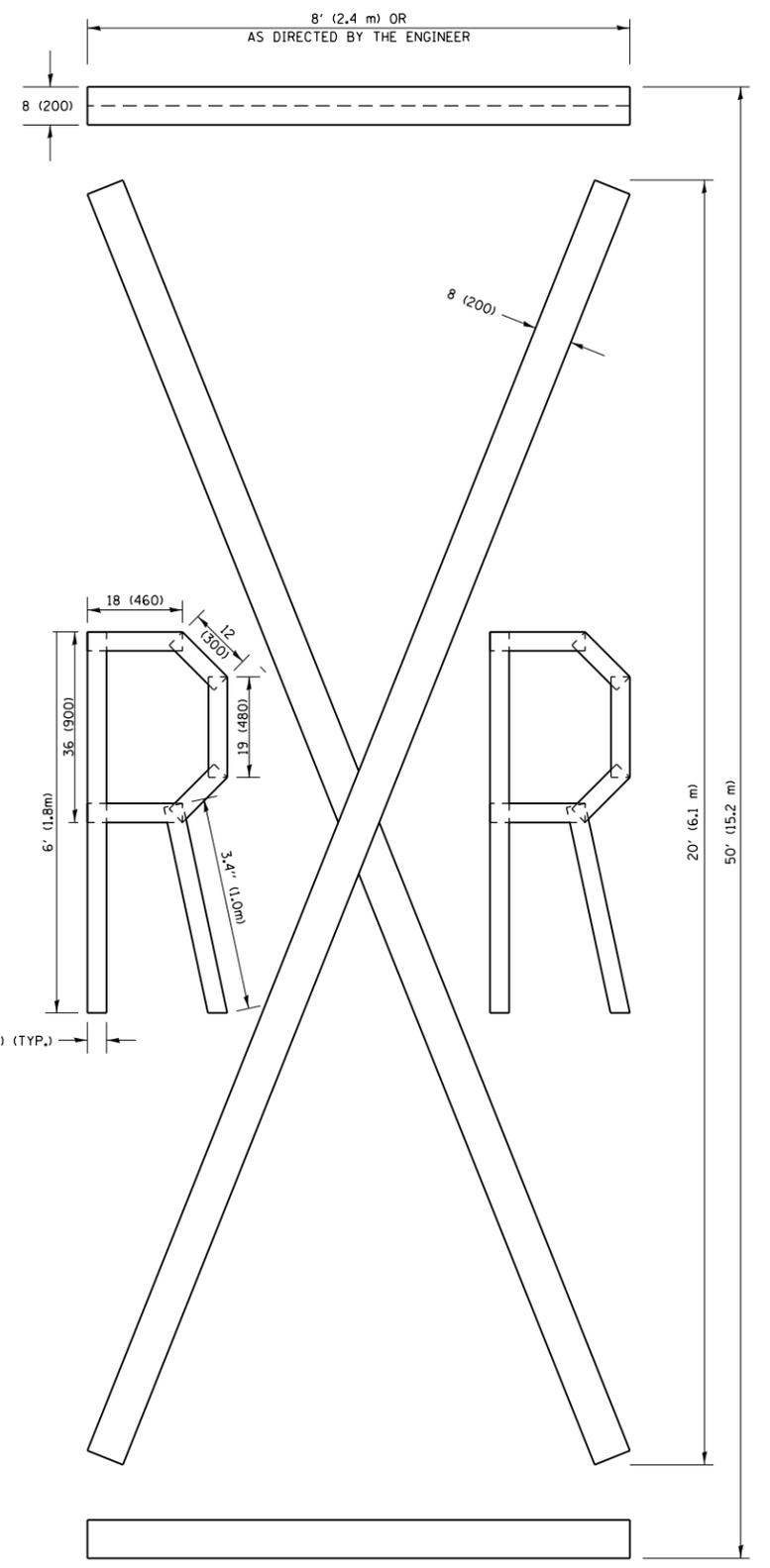


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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)

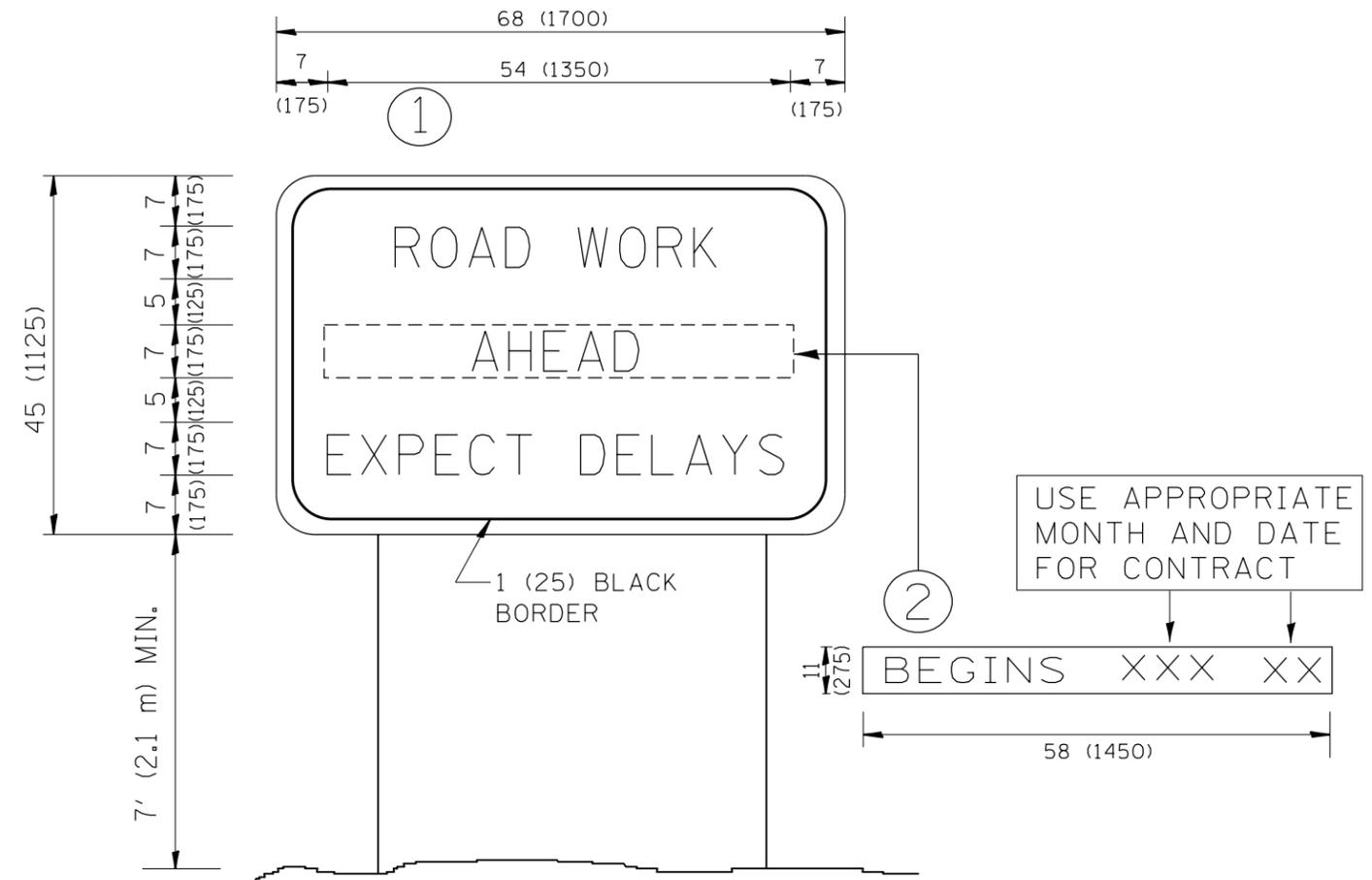
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\l\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI17\BDR\Notes\Design\DistStd.dgn			REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 846	SECTION 2018-071-1	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 36
TC-16		CONTRACT NO. 62H20		
FED. ROAD DIST. NO. 1 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.

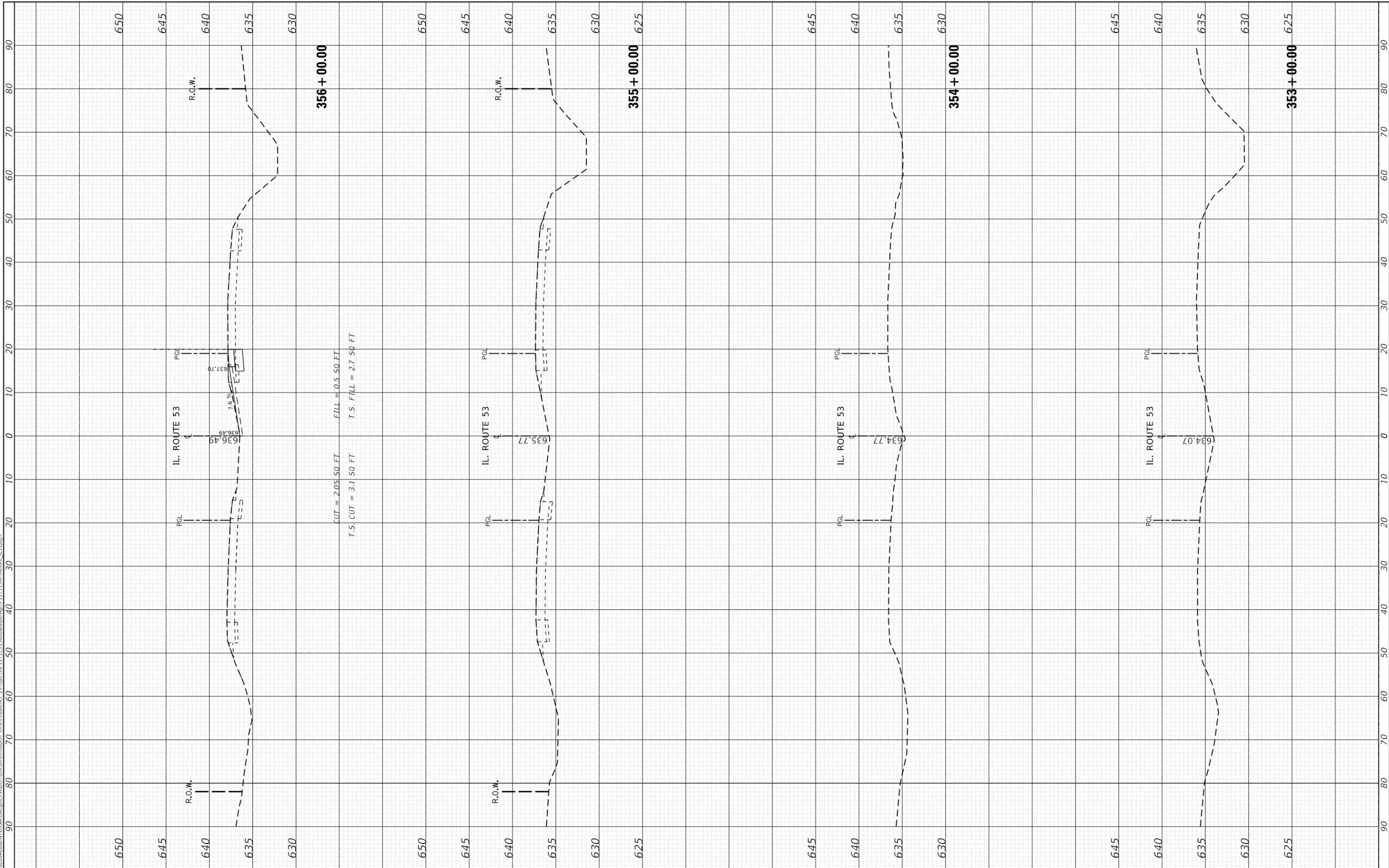
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI17\Drawings\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97		846	2018-071-1	WILL	42	37			
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		<b>TC-22</b>			<b>CONTRACT NO. 62H20</b>				
	PLOT DATE = 2/1/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   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		

MODEL: D:\nrc\...  
 FILE NAME: p:\u00044848\BID\NTE\...  
 PROJECT: s:\p17315\cadd\data\...  
 DISTRICT: 117315\cadd\data\...  
 USER: ledz



USER NAME =	ledz
DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	2/1/2019

DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	

REVISIONS	
REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

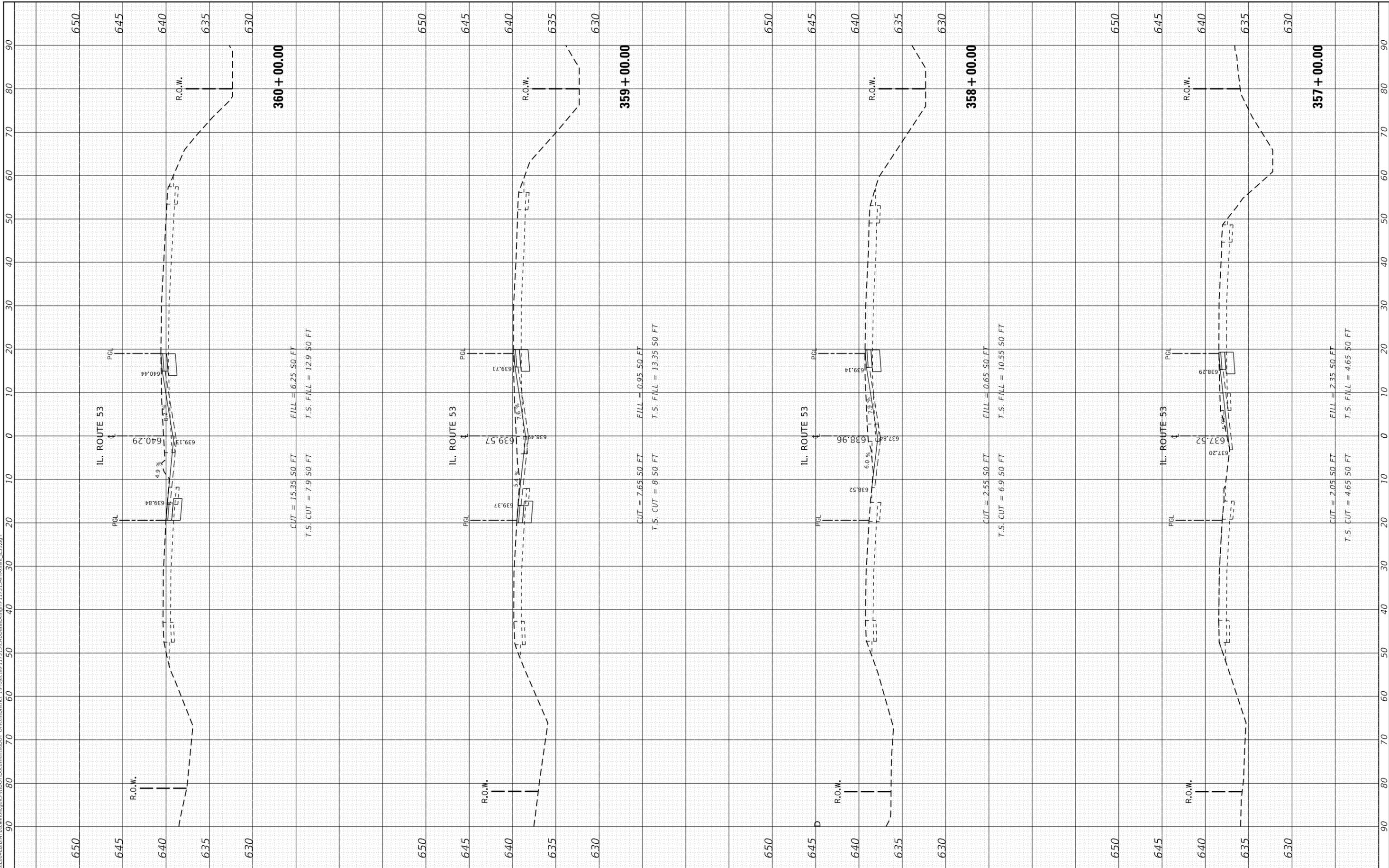
SCALE: SHEET OF SHEETS STA. 353+00.00 TO STA. 356+00.00

F.R.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	38
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME =	ledezmar
PLOT SCALE =	20.0000 ' / in.
PLOT DATE =	2/1/2019

DESIGNED -	-
DRAWN -	-
CHECKED -	-
DATE -	-

REVISED -	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

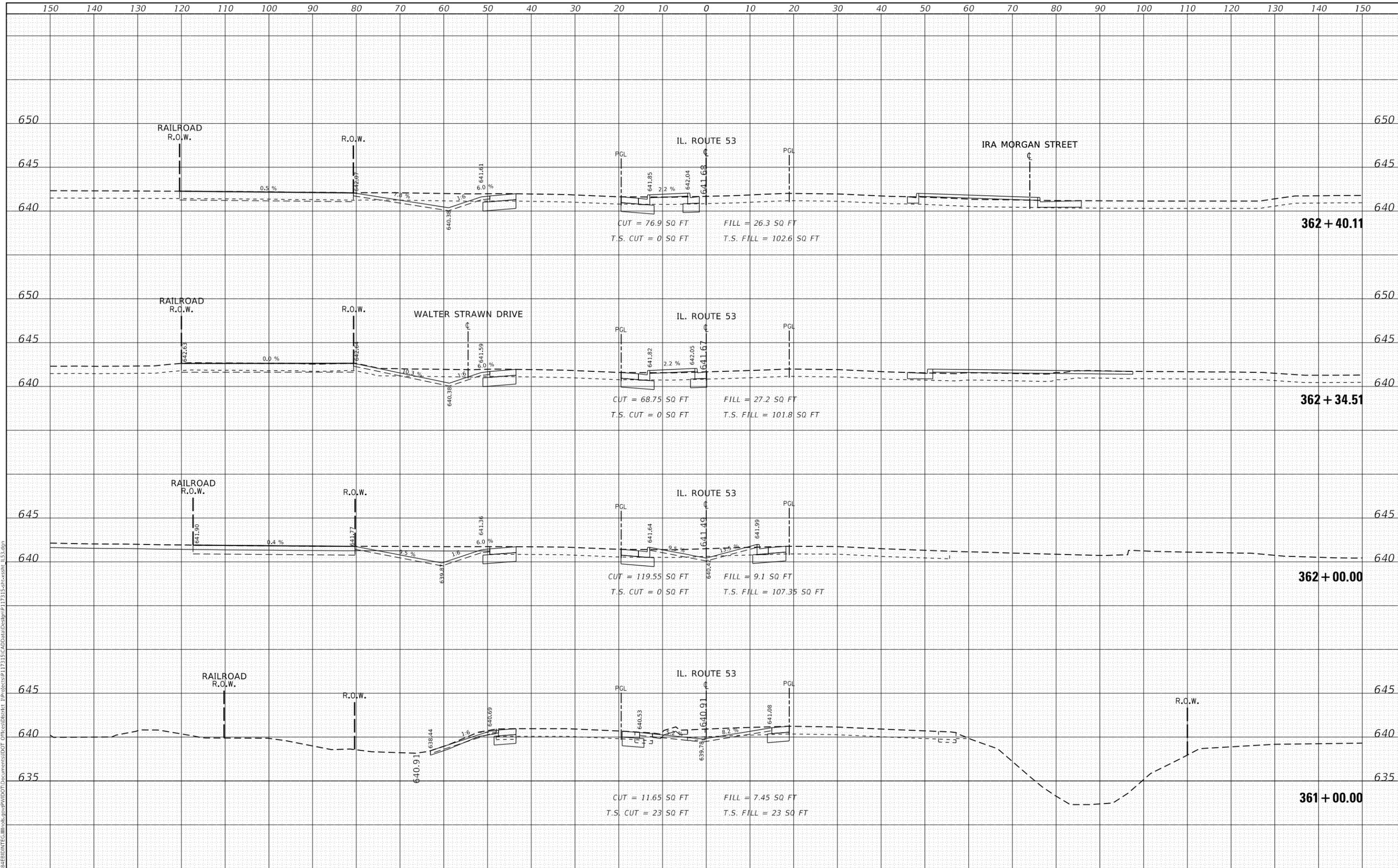
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F.R.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	39
CONTRACT NO. 62H20				
ILLINOIS		FED. AID PROJECT		

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

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

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USER NAME = ldezjarm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/25/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

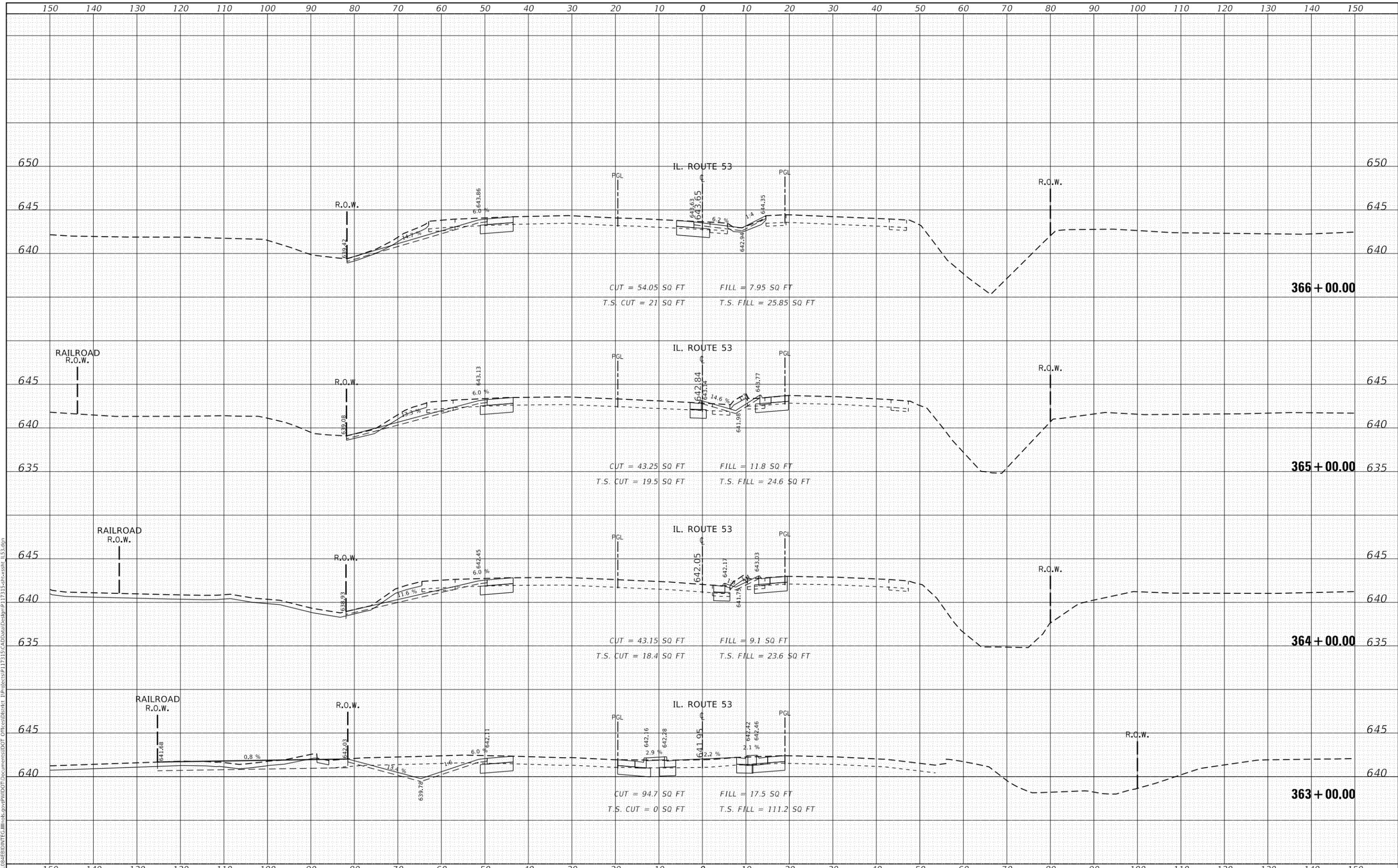
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	40
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME =	ledezmm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
PLOT SCALE =	20.0000' / in.	CHECKED -	REVISED -
PLOT DATE =	2/25/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

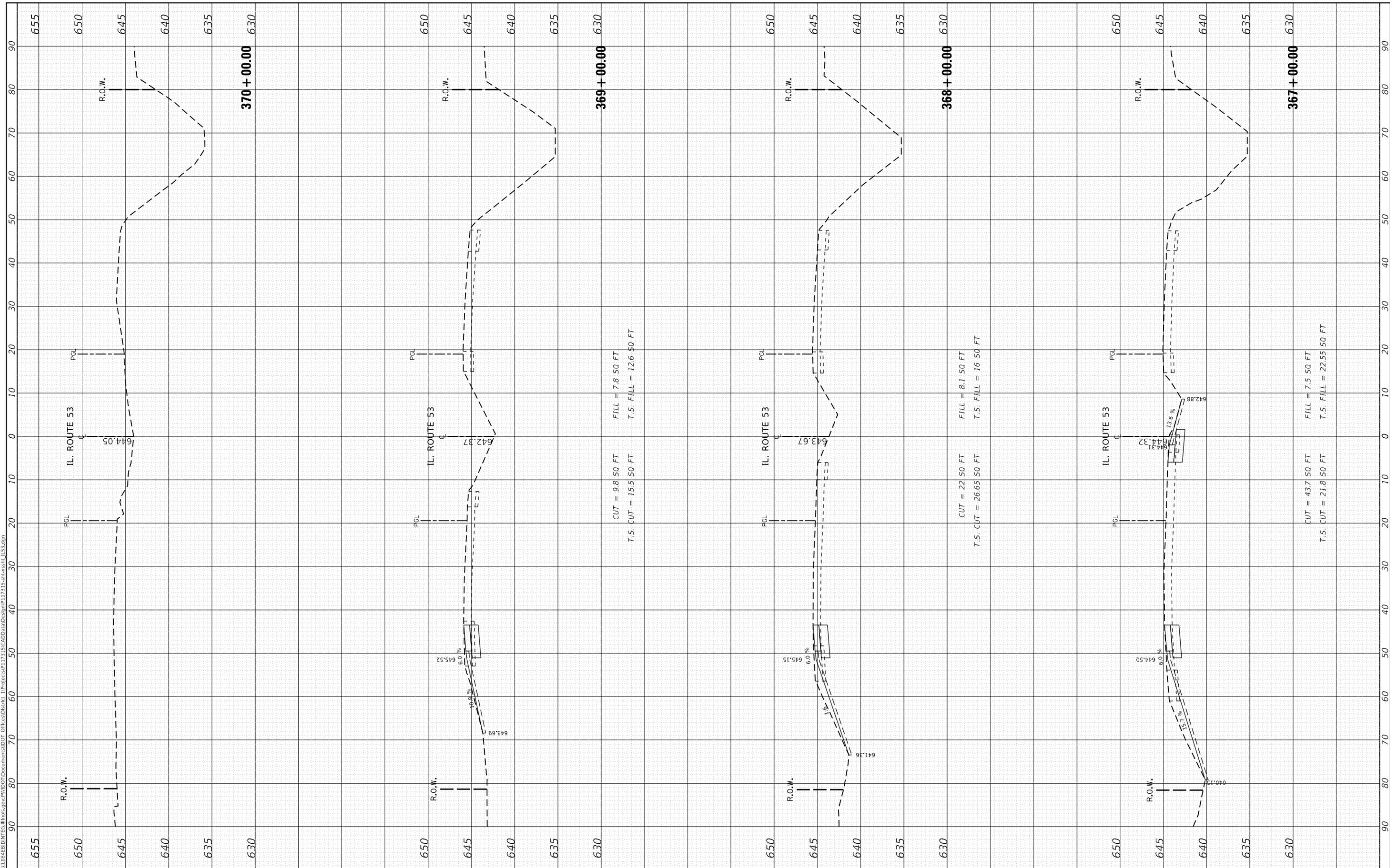
SCALE: SHEET OF SHEETS STA. 363+00.00 TO STA. 366+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\nrc\11\04\EBID\NTE\11\mks\p\WIDOT\Documents\DOT\Office\District 1\Project\367\17315\CAD\DATA\Desk\17315-ent\cross\_1153.dgn  
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USER NAME =	ledezmar
PLOT SCALE =	= 20,000.00 ' / in.
PLOT DATE =	= 2/1/2019

DESIGNED -	-
DRAWN -	-
CHECKED -	-
DATE -	-

REVISED -	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 367+00.00 TO STA. 370+00.00

F.R.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	2018-071-I	WILL	42	42
CONTRACT NO. 62H20				
ILLINOIS FED. AID PROJECT				