

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	1
		ILLINOIS	CONTRACT NO. 62R94	

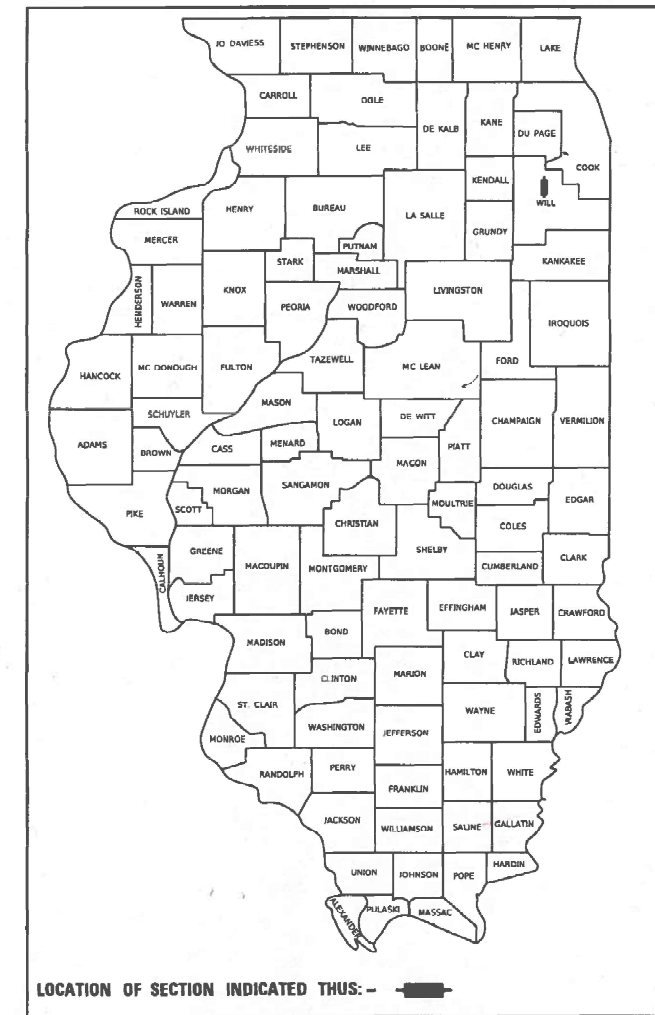
PROPOSED HIGHWAY PLANS

FAP 112: US 6 / ILL 53 (WASHINGTON ST.)
E OF S CHICAGO ST TO CHICAGO ST
SECTION: FAP 0112 22 RS
PROJECT: NHPP-AKG0(702)
SMART OVERLAY, ADA IMPROVEMENTS
WILL COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

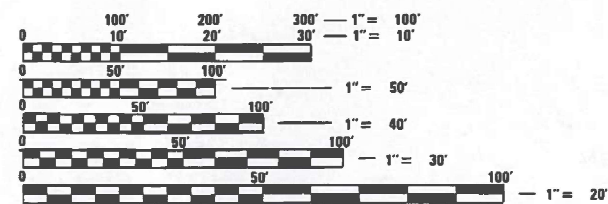
THE IMPROVEMENT IS LOCATED IN THE
CITY OF JOLIET.

D-91-212-22



TRAFFIC DATA:
US 6/ILL 53 WASHINGTON ST. 2021 ADT = 10850
POSTED SPEED LIMIT = 30 MPH

DESIGN DESIGNATION:
OTHER PRINCIPAL ARTERIAL



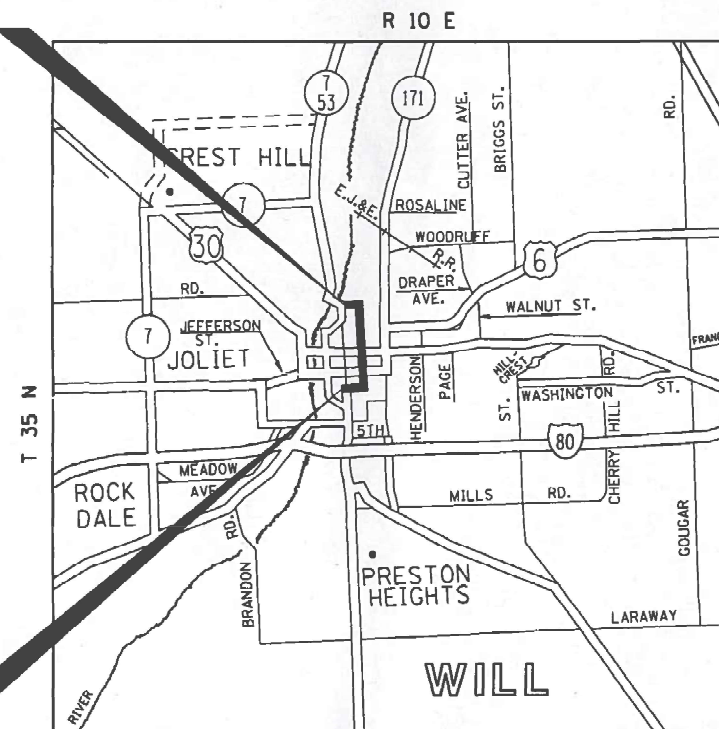
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

C-91-265-22

IMPROVEMENT ENDS
STA. 66 + 83

IMPROVEMENT BEGINS
STA. STA. 15 + 02



JOLIET TOWNSHIP

GROSS AND NET LENGTH = 5,181.0 FT. = 0.98 MILE

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255

PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62R94

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 12, 2023
[Signature]
REGIONAL ENGINEER

February 2, 2024
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2024
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALK
604001-05	FRAMES AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
643001-02	SAND MODULE IMPACT ATTENUATORS
701101-05	OFF-ROAD OPERATIONS, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTIPLANE, TINTERMITTENT OR MOVING OPER. FOR SPEED < OR = 40 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (OR ISTHA).
2. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE 1/2 BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS 5/8 SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
3. 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.
4. SIDEWALK REMOVAL AND P.C.C. SIDEWALK LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
5. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
8. STORM SEWER CONSTRUCTED UNDER THE ROADWAY SHALL BE BACKFILLED ACCORDING TO METHOD 1 OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
10. THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
11. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
12. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
13. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA,ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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USER NAME = Sher.Khan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 6 /L ROUTE 53 (WASHINGTON ST TO COLUMBIA ST) INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	112			FAP 0112 22 RS	WILL	56	2		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62R94					
PLOT DATE = 1/4/2024	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
					ILLINOIS FED. AID PROJECT					

GENERAL NOTES

- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

- 15. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

- 16. THE ARTERIAL ROAD INFORMATION SIGN (TC-22) IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.

- 17. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

- 18. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS ON IDOT ARTERIAL ROADS, THE ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD TECHNICIAN AT ERIC.CAMPOS@ILLINOIS.GOV.

- 19. 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 BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.

- 20. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN IN THE WORK ZONE.

- 21. PORTLAND CEMENT CONCRETE 4 INCH SHALL BE USED AS THE FOUNDATION UNDER BRICK PAVER REMOVAL AND REPLACEMENT.

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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/19/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 6 /L ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)
INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	3
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62R94

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
20200100	EARTH EXCAVATION	CU YD	50	50				
20200200	ROCK EXCAVATION	CU YD	15	15				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	72	72				
25200110	SODDING, SALT TOLERANT	SO YD	72	72				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10890	10890				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	15697	15697				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	37	37				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	450	450				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2032	2032				
42001300	PROTECTIVE COAT	SO YD	640	640				
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	389	389				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5749	5749				
42400800	DETECTABLE WARNINGS	SO FT	560	560				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
44000100	PAVEMENT REMOVAL	SO YD	172	172				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	24190	24190				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	23	23				
44000600	SIDEWALK REMOVAL	SO FT	5749	5749				
44200050	WELDED WIRE REINFORCEMENT	SO YD	505	505				
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	50	50				
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	445	445				
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	60	60				
44201299	DOWEL BARS 1 1/2"	EACH	224	224				
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SO YD	172	172				
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SO YD	50	50				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	100	100				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	50	50				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	800	800				
44213200	SAW CUTS	FOOT	1138	1138				
44213204	TIE BARS 3/4"	EACH	171	171				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5				

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = SherKhan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COULMBIA ST) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
dw\1100-pw-bentley.com\FWDDT\Documents\VDOT	Projects\DI2\222\CADD\Design\DI2\222-sh-56	DRAWN -	REVISED -			112	FAP 0112 22 RS	WILL	56	4	
PLOT SCALE = 100.0261' / in.	CHECKED -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO	STA.
PLOT DATE = 12/15/2023	DATE -	REVISED -	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2				
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	16	16				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	105	105				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10				
67100100	MOBILIZATION	L SUM	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12581	12581				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5747	5747				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	517	517				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	3000	3000				

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pw\1100-pw.bentley.com\PIV\DOT\Documents\VDOT	PROJECTS\DI2\222\CA\Draw\Design\DI2\222-sh-510	DRAWN -	REVISED -			112	FAP 0112 22 RS	WILL	56	5	
	PLOT SCALE = 100.0261' / in.	CHECKED -	REVISED -			SCALE:		SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 62R94	
	PLOT DATE = 12/15/2023	DATE -	REVISED -			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				*	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				*
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE				CODE NO	ITEM		UNIT	0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"-	FOOT	2000	2000					78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	85	85				
	PAINT								78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	80	80				
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"-	FOOT	400	400					78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	186	186				
	PAINT								78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	20	20				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"-	FOOT	2441	2441					78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	220	220				
	PAINT								78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	220	220				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"-	FOOT	520	520					78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	160	160				
	PAINT								* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	90	90				
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	4731	4731					* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	6				
	TYPE III TAPE								* 87301125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 3C	FOOT	142	142				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	517	517					* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4438	4438				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3000	3000													
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2000	2000													
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	400	400													
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2441	2441													
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	520	520													

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dw:\1\dot-pw-bentley.com\PI\DOT\Documents\UDOT	Projects\DI2\222\CADD\Design\DI2\222-sh-50	DRAWN -	REVISED -			112	FAP 0112 22 RS	WILL	56	6
PLOT SCALE = 100.0261' / 1in.	CHECKED -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
PLOT DATE = 12/15/2023	DATE -	REVISED -								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	950	950				
	GROUNDING CONDUCTOR, NO. 6 1C							
* 87900200	DRILL EXISTING HANDHOLE	EACH	35	35				
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1800	1800				
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	6	6				
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	223	223				
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	262	262				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6	6				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	10	10				
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVEY-DUTY HANDHOLE	EACH	6	6				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	389	389				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
X0327989	REMOVE EXISTING BRICK PAVERS	SO FT	3896	3896				
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	35	35				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	908	908				
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	318	318				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1050		1050			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	102	102				
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	2	2				
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12				
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	46	46				
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	140	140				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	80		80			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	309	309				
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	6	6				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = Sher.Khan	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

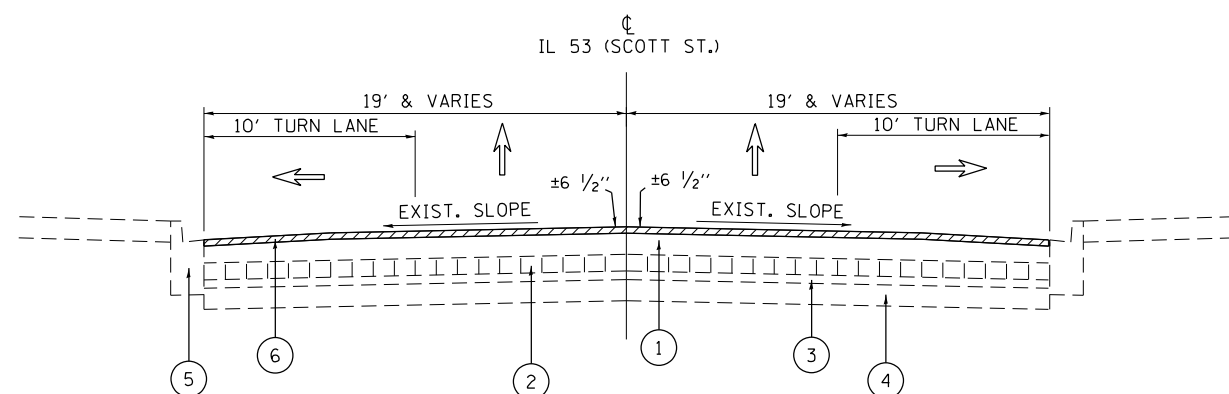
**U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COULMBIA ST)
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	7
CONTRACT NO. 62R94			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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

LEGEND

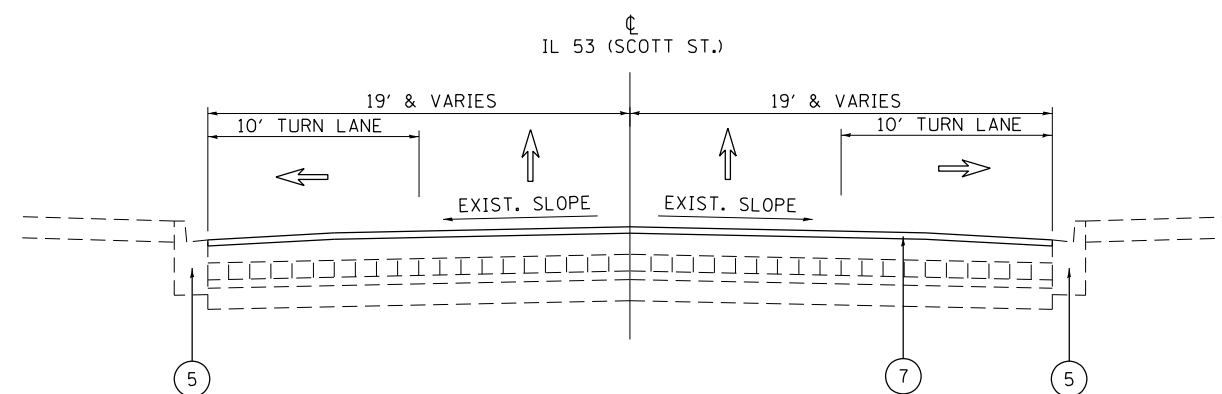
- | | |
|--|--|
| 1. EXISTING HMA PAVEMENT AFTER MILLING, +/- 5 INCH | 6. PROPOSED HMA SURFACE REMOVAL, 1 1/2" |
| 2. EXISTING PAVING BRICK, +/- 4 INCH | 7. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2" |
| 3. EXISTING SAND CUSHION, 2 INCH | |
| 4. EXISTING PCC PAVEMENT, 5 INCH | |
| 5. EXISTING COMB. CONCRETE CURB & GUTTER | |



EXISTING TYPICAL CROSS SECTION

STA. 15+75 TO STA. 20+30
 STA. 24+60 TO STA. 26+20
 STA. 44+35 TO STA. 66+85

(SEE PLANS FOR MORE DETAILED LOCATIONS)



PROPOSED TYPICAL CROSS SECTION

STA. 15+75 TO STA. 20+30
 STA. 24+60 TO STA. 26+20
 STA. 44+35 TO STA. 66+85

(SEE PLANS FOR MORE DETAILED LOCATIONS)

NOTE

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTE 3: PAVEMENT PATCHING SHALL BE DONE AFTER ROADWAY MILLING AS PER BD-22 DETAIL. SEE ROADWAY AND PAVEMENT MARKING PLANS FOR THE LOCATIONS OF THE RIGHT TURN LANES.

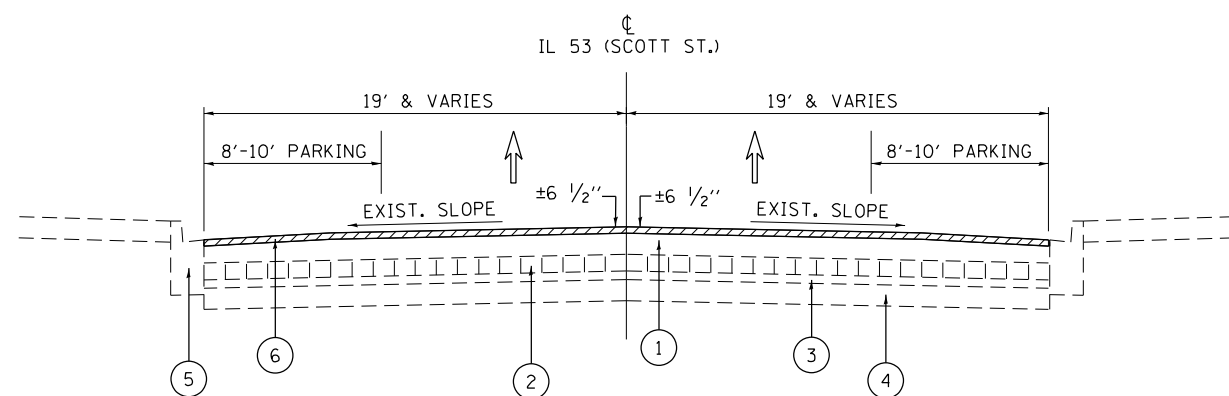
NOTE 4: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.

NOTE 5: THE REMOVAL OF THE EXISTING BRICK PAVERS AND SAND CUSHION WILL NOT BE PAID FOR SEPARATELY AND IS INCLUDED IN THE PAY ITEM "CLASS D PATCHES" OF THE TYPE AND DEPTH SPECIFIED.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
HMA PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"	4.0% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 MM), 16 INCH	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

LEGEND

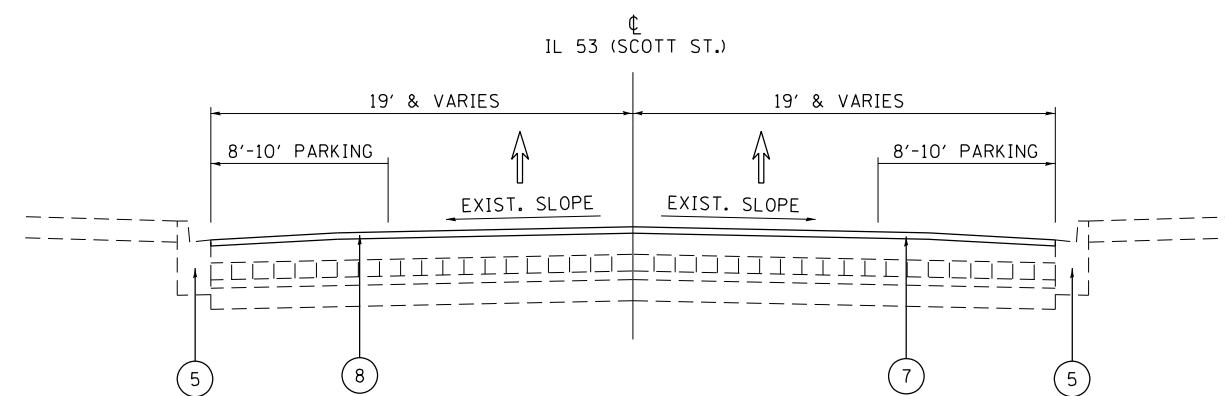
- | | |
|--|--|
| 1. EXISTING HMA PAVEMENT AFTER MILLING, +/- 5 INCH | 6. PROPOSED HMA SURFACE REMOVAL, 1 1/2" |
| 2. EXISTING PAVING BRICK, +/- 4 INCH | 7. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2" |
| 3. EXISTING SAND CUSHION, 2 INCH | |
| 4. EXISTING PCC PAVEMENT, 5 INCH | |
| 5. EXISTING COMB. CONCRETE CURB & GUTTER | |



EXISTING TYPICAL CROSS SECTION

STA. 20+30 TO STA. 24+60
STA. 26+20 TO STA. 44+35

(SEE PLANS FOR MORE DETAILED LOCATIONS)



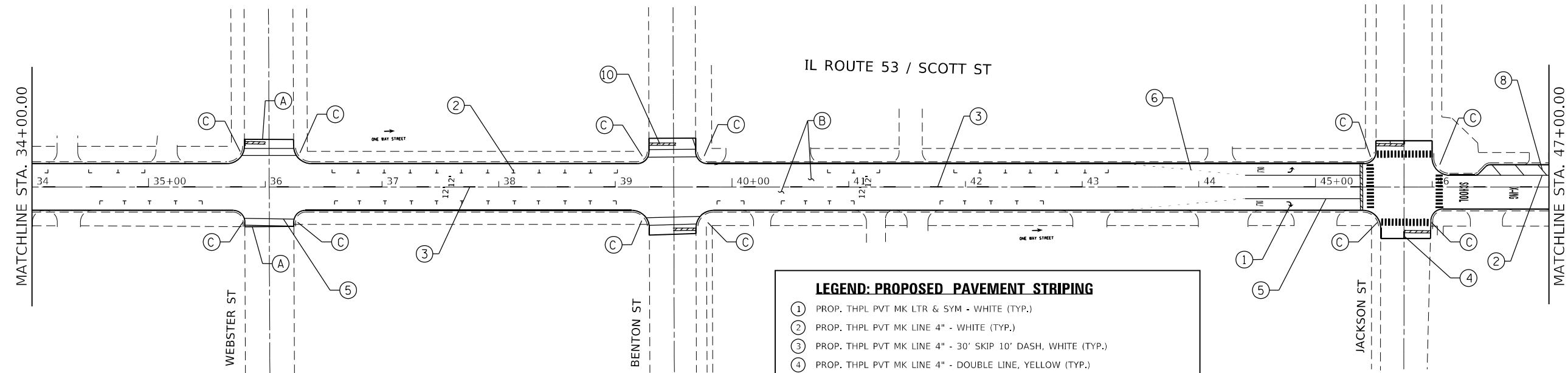
PROPOSED TYPICAL CROSS SECTION

STA. 20+30 TO STA. 24+60
STA. 26+20 TO STA. 44+35

(SEE PLANS FOR MORE DETAILED LOCATIONS)

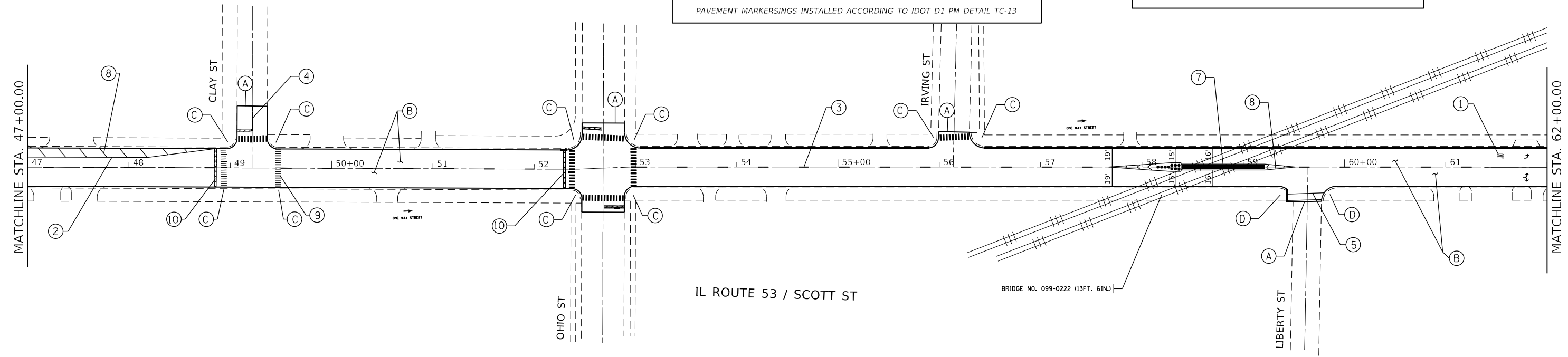
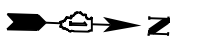
FILE NAME =	USER NAME = Sher.Khen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US RTE. 6 / IL RTE. 53 (SCOTT ST.) ROADWAY AND PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI21222\CAD\DRAWING\B121222-sht-typical.dgn		DRAWN	REVISED -			112	FAP 0112 22 RS	WILL	56	10
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				CONTRACT NO 62R94				
PLOT DATE = 1/4/2024	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'	SHEET NO. 1 OF 3 SHEETS	STA. 18+89 TO STA. 28+00				

NOTE: BRIDGES MUST MAINTAIN EXISTING VERTICAL CLEARANCE.
RAISED REFLECTIVE PAVEMENT MARKERS ACCORDING TO
IDOT D1 RRPV DETAIL TC-11



- LEGEND: PROPOSED PAVEMENT STRIPING**
- 1 PROP. THPL PVT MK LTR & SYM - WHITE (TYP.)
 - 2 PROP. THPL PVT MK LINE 4" - WHITE (TYP.)
 - 3 PROP. THPL PVT MK LINE 4" - 30' SKIP 10' DASH, WHITE (TYP.)
 - 4 PROP. THPL PVT MK LINE 4" - DOUBLE LINE, YELLOW (TYP.)
 - 5 PROP. THPL PVT MK LINE 6" - SOLID, WHITE (TYP.)
 - 6 PROP. THPL PVT MK LINE 6" - DOTTED, 2' DASH, 6' SKIP, WHITE (TYP.)
 - 7 PROP. THPL PVT MK LINE 8" - WHITE (TYP.)
 - 8 PROP. THPL PVT MK LINE 12" - DIAGONAL, SOLID WHITE (TYP.)
 - 9 PROP. THPL PVT MK LINE 12" - CROSSWALK, 6-FT BARS, WHITE (TYP.)
 - 10 PROP. THPL PVT MK LINE 24" - STOP BAR, WHITE (TYP.)
 - 11 PROP. MOD URETH PM LINE 4" - WHITE (TYP.)
 - 12 PROP. MOD URETH PM LINE 8" - WHITE (TYP.)
 - 13 PROP. MOD URETH PM LINE 12" - CROSSWALK, 6-FT BARS, WHITE (TYP.)
 - 14 PROP. MOD URETH PM LINE 12" - DIAGONAL, SOLID WHITE (TYP.)
 - 15 PROP. MOD URETH PM LINE 24" - STOP BAR, SOLID, WHITE (TYP.)
- PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13

- LEGEND: PROPOSED ROADWAY WORK**
- A PROP. HMA SURFACE REMOVAL - BUTT JOINT (TYP.)
 - B PROP. HMA SURFACE REMOVAL, 1 1/2"
PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
PROP. CLASS D PATCHES, 9"
 - C PROP. ADA IMPROVEMENT, SEE PROP. ADA RAMP DESIGN
 - D PROP. ADA IMPROVEMENT, SEE PD STANDARD 01 A/B
 - PROP. CLASS B PATCHES, 10 INCH (SIZES TYPES AND LAYOUTS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER)
 - REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE (LANE WIDTHS SHOULD MAINTAIN A MINIMUM OF 12')



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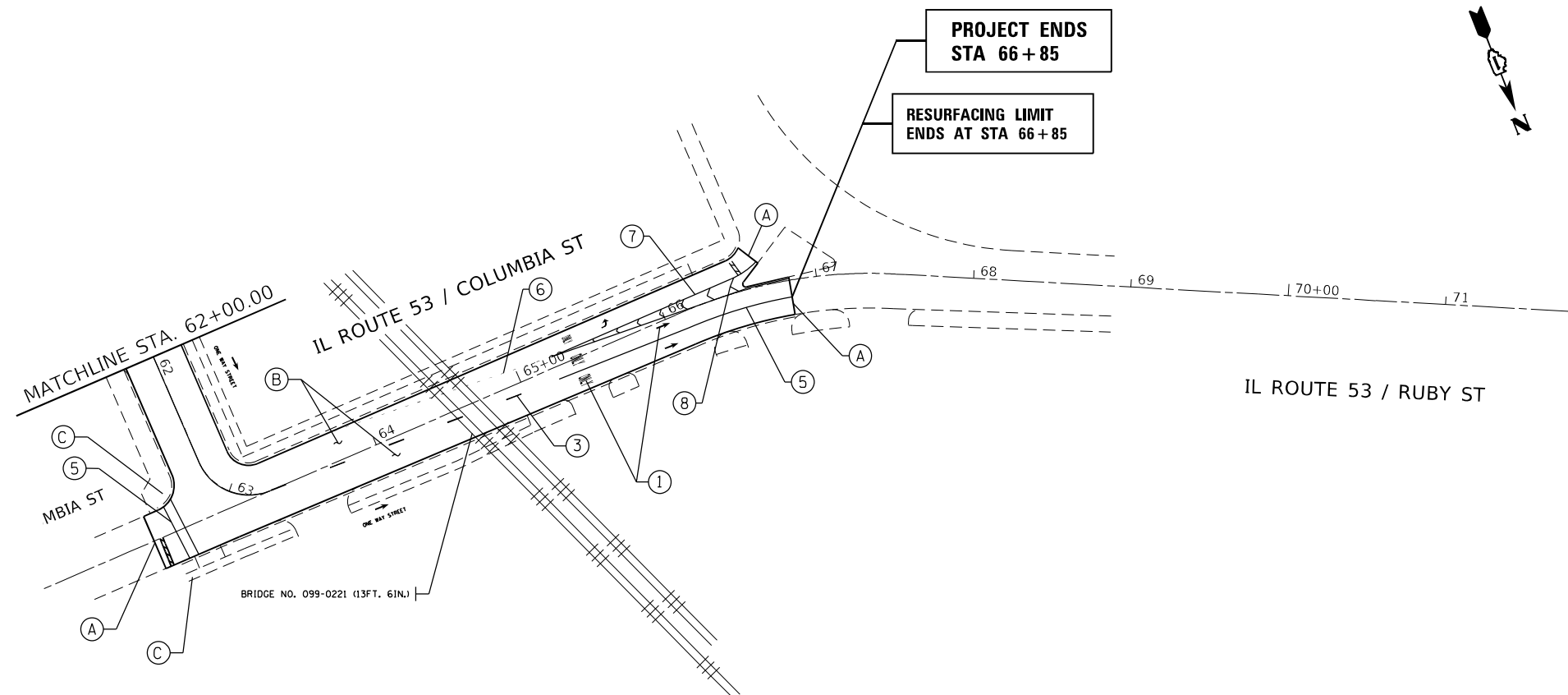
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PLOT DATE = 1/19/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
U.S. ROUTE 6 / IL ROUTE 53 (WASHINGTON ST TO COULMBIA ST)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0112 22 RS	WILL	56	12
			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				



**PROJECT ENDS
STA 66+85**

**RESURFACING LIMIT
ENDS AT STA 66+85**

- LEGEND: PROPOSED PAVEMENT STRIPING**
- ① PROP. THPL PVT MK LTR & SYM - WHITE (TYP.)
 - ② PROP. THPL PVT MK LINE 4" - WHITE (TYP.)
 - ③ PROP. THPL PVT MK LINE 4" - 30' SKIP 10' DASH, WHITE (TYP.)
 - ④ PROP. THPL PVT MK LINE 4" - DOUBLE LINE, YELLOW (TYP.)
 - ⑤ PROP. THPL PVT MK LINE 6" - SOLID, WHITE (TYP.)
 - ⑥ PROP. THPL PVT MK LINE 6" - DOTTED, 2' DASH, 6' SKIP, WHITE (TYP.)
 - ⑦ PROP. THPL PVT MK LINE 8" - WHITE (TYP.)
 - ⑧ PROP. THPL PVT MK LINE 12" - DIAGONAL, SOLID WHITE (TYP.)
 - ⑨ PROP. THPL PVT MK LINE 12" - CROSSWALK, 6-FT BARS, WHITE (TYP.)
 - ⑩ PROP. THPL PVT MK LINE 24" - STOP BAR, WHITE (TYP.)
 - ⑪ PROP. MOD URETH PM LINE 4" - WHITE (TYP.)
 - ⑫ PROP. MOD URETH PM LINE 12" - CROSSWALK, 6-FT BARS, WHITE (TYP.)
 - ⑬ PROP. MOD URETH PM LINE 24" - STOP BAR, SOLID, WHITE (TYP.)
- PAVEMENT MARKERS AND STRIPING SHALL BE INSTALLED PER TC-11 AND TC-13

- LEGEND: PROPOSED ROADWAY WORK**
- Ⓐ PROP. HMA SURFACE REMOVAL - BUTT JOINT (TYP.)
 - Ⓑ -PROP. HMA SURFACE REMOVAL, 1 1/2"
-PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
-PROP. CLASS D PATCHES, 9"
 - Ⓒ PROP. ADA IMPROVEMENT, SEE PROP. ADA RAMP DESIGN
 - Ⓓ PROP. ADA IMPROVEMENT, SEE PD STANDARD 01 A/B

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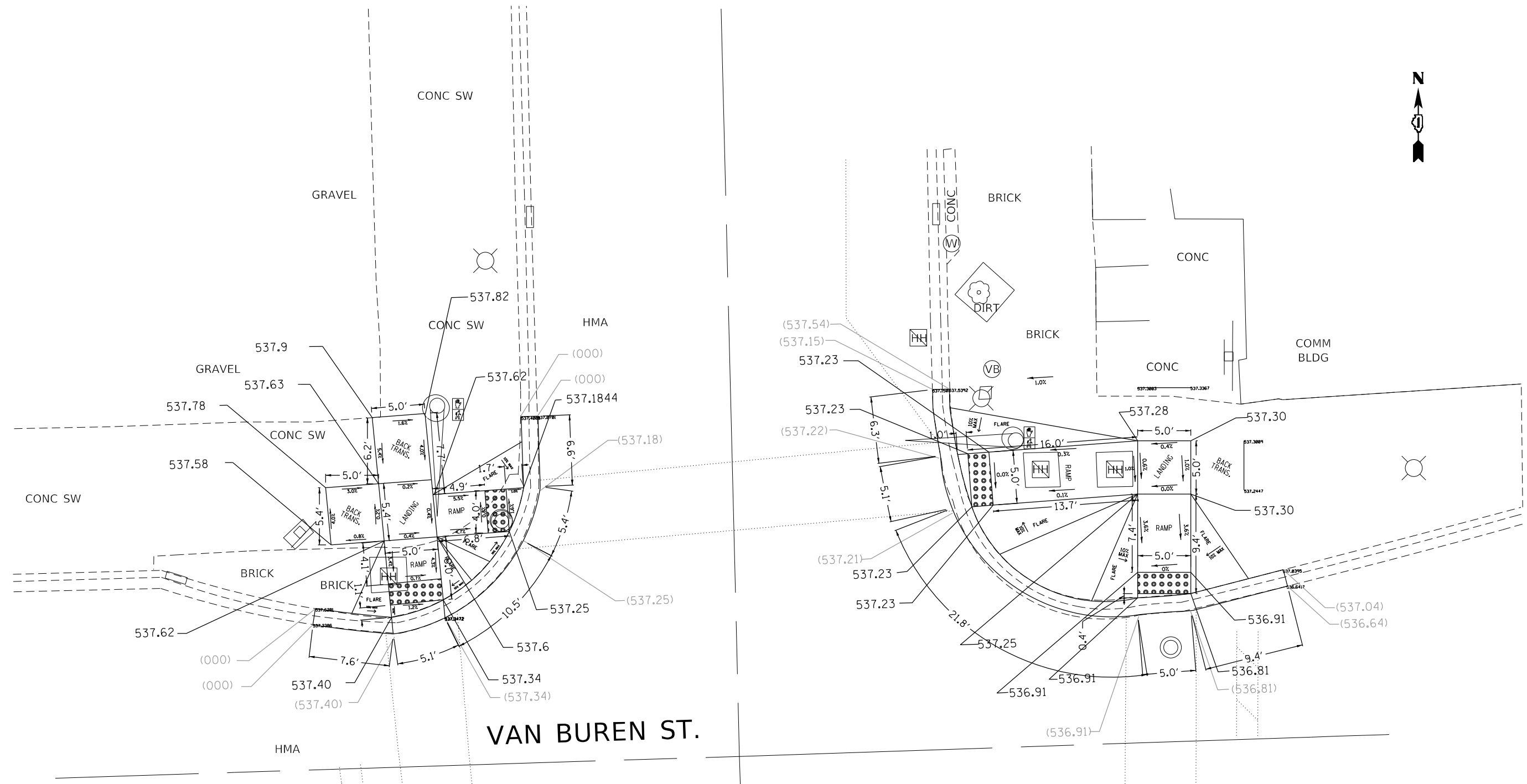
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COULMBIA ST)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0112 22 RS	WILL	56	13
			CONTRACT NO. 62R94	
		ILLINOIS	FED. AID PROJECT	



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REFERENCE BENCHMARK ELEV: 537.949
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SE. CORNER OF SCOTT ST. AND VAN BUREN ST.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & VAN BUREN ST.

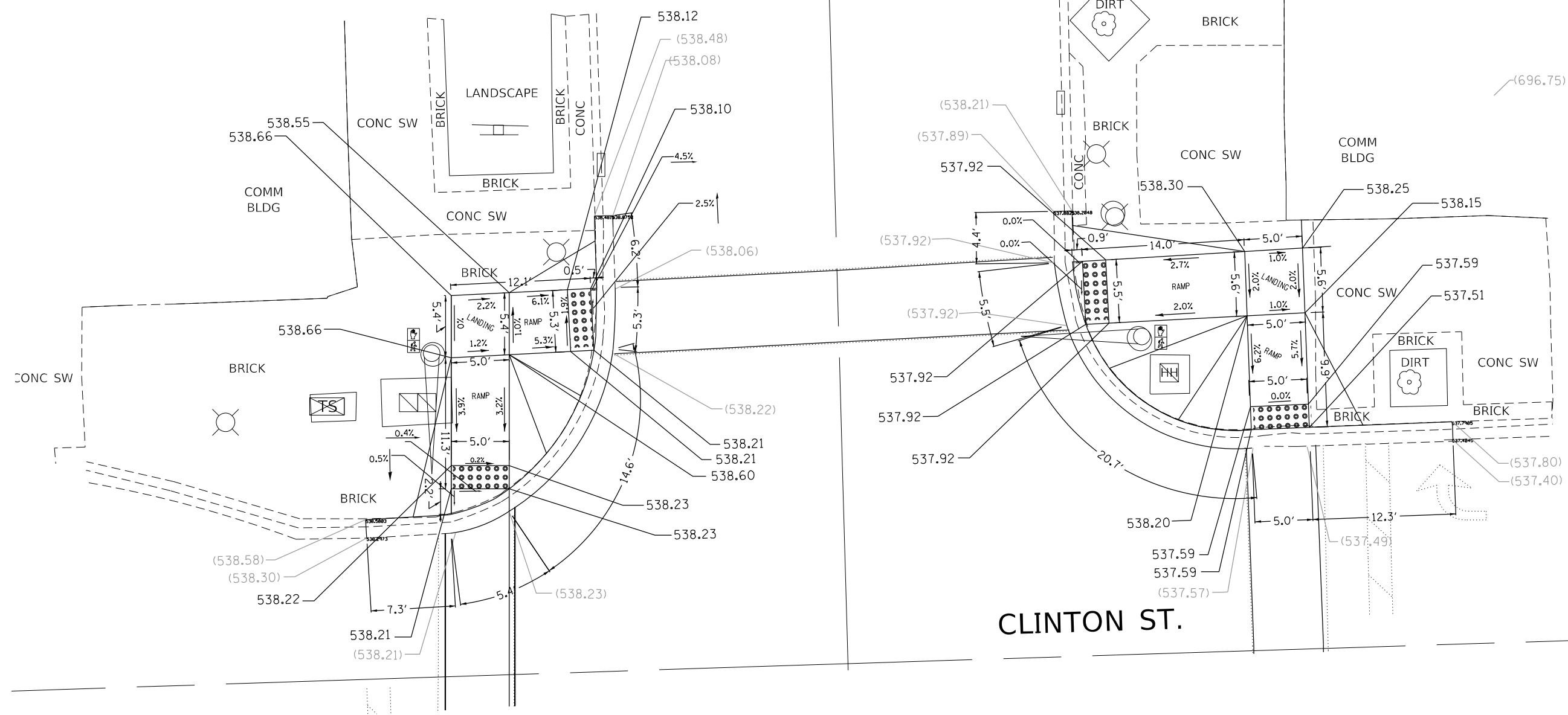
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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	14
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				



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REFERENCE BENCHMARK ELEV: 539.078
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT NW. CORNER OF SCOTT ST. AND CLINTON ST.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & CLINTON ST.

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DRAWN -	REVISOR -	REVISOR -
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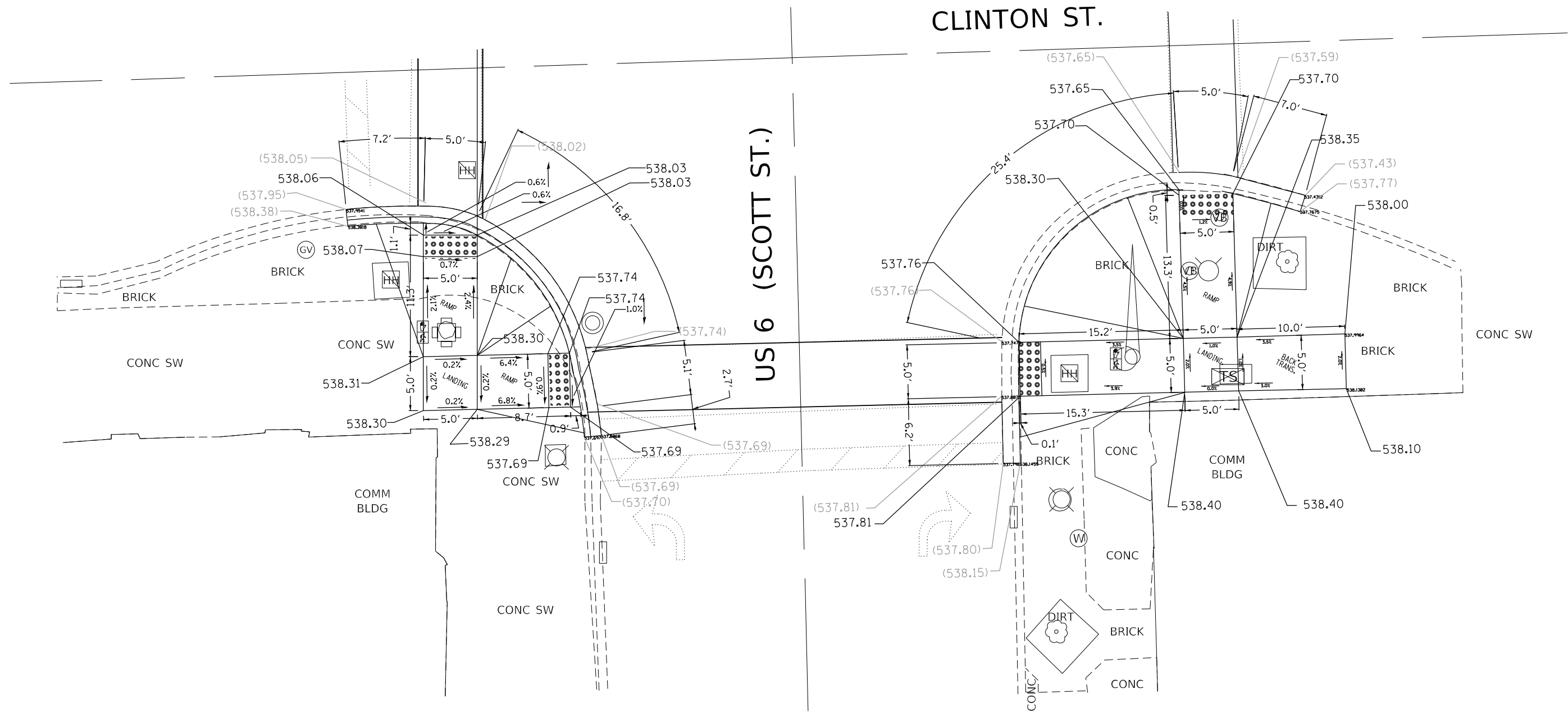
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	16
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV: 539.078
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT NW. CORNER OF SCOTT ST. AND CLINTON ST.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Grey Box]	PROPOSED SIDEWALK
[Grid Box]	DETECTABLE WARNINGS
[Cross-hatch Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

S.W. AND S.E. CORNER OF IL-53 / SCOTT ST. & CLINTON ST.

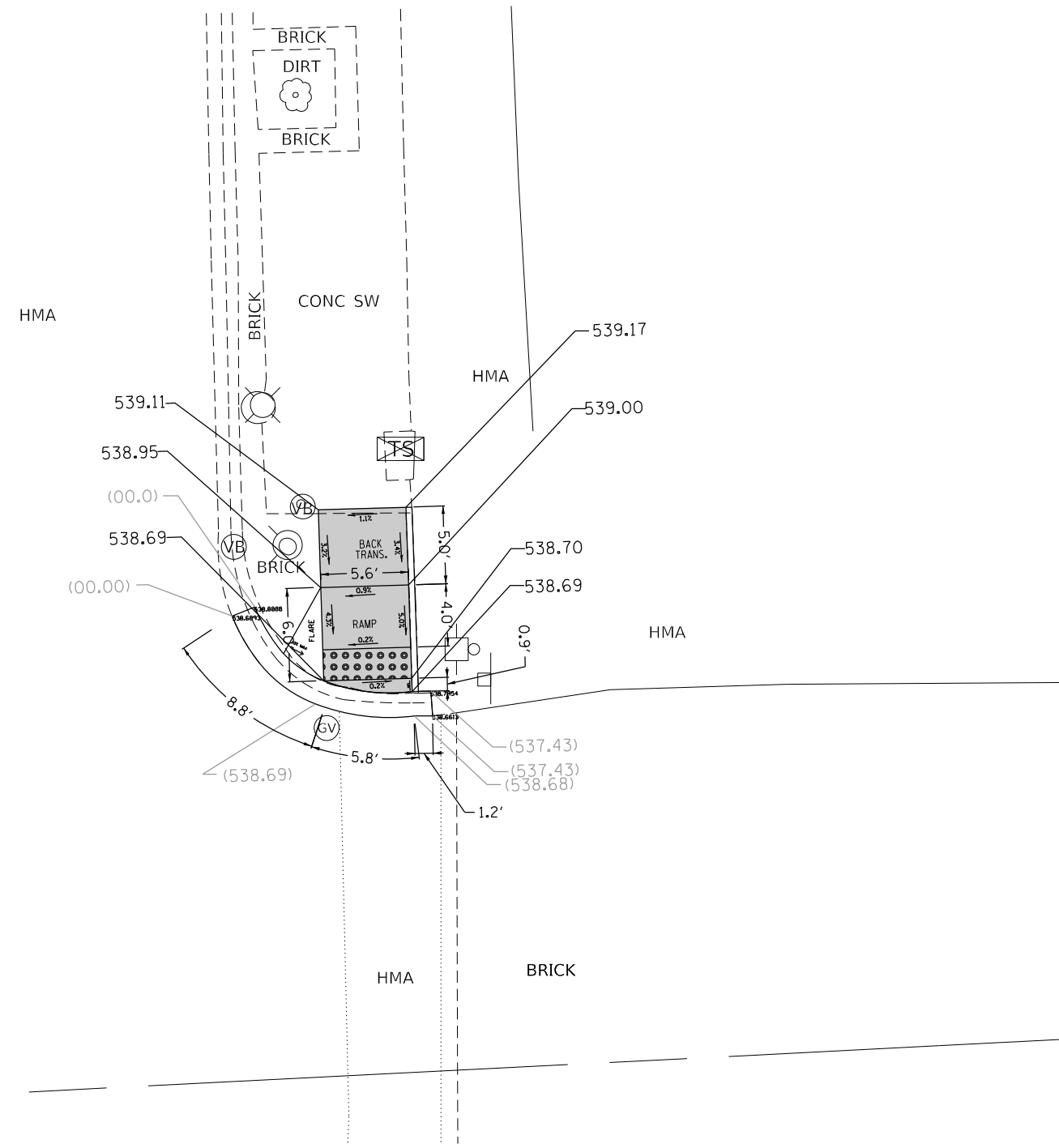
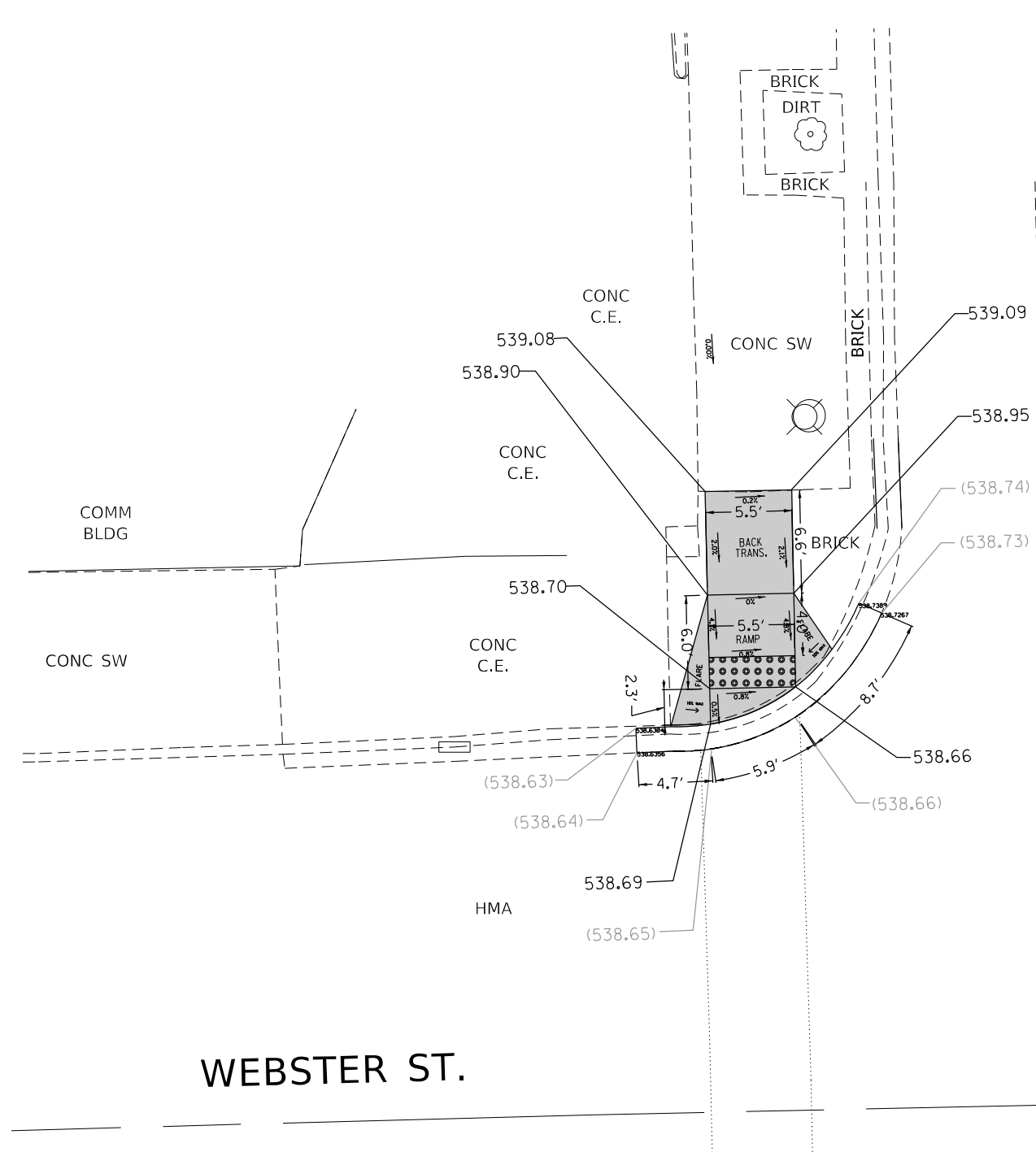
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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN			
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	17
			CONTRACT NO. 62R94	
		ILLINOIS	FED. AID PROJECT	

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WEBSTER ST.

REFERENCE BENCHMARK ELEV: 539.32
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SE. CORNER OF SCOTT ST. AND WEBSTER ST..

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & WEBSTER ST.

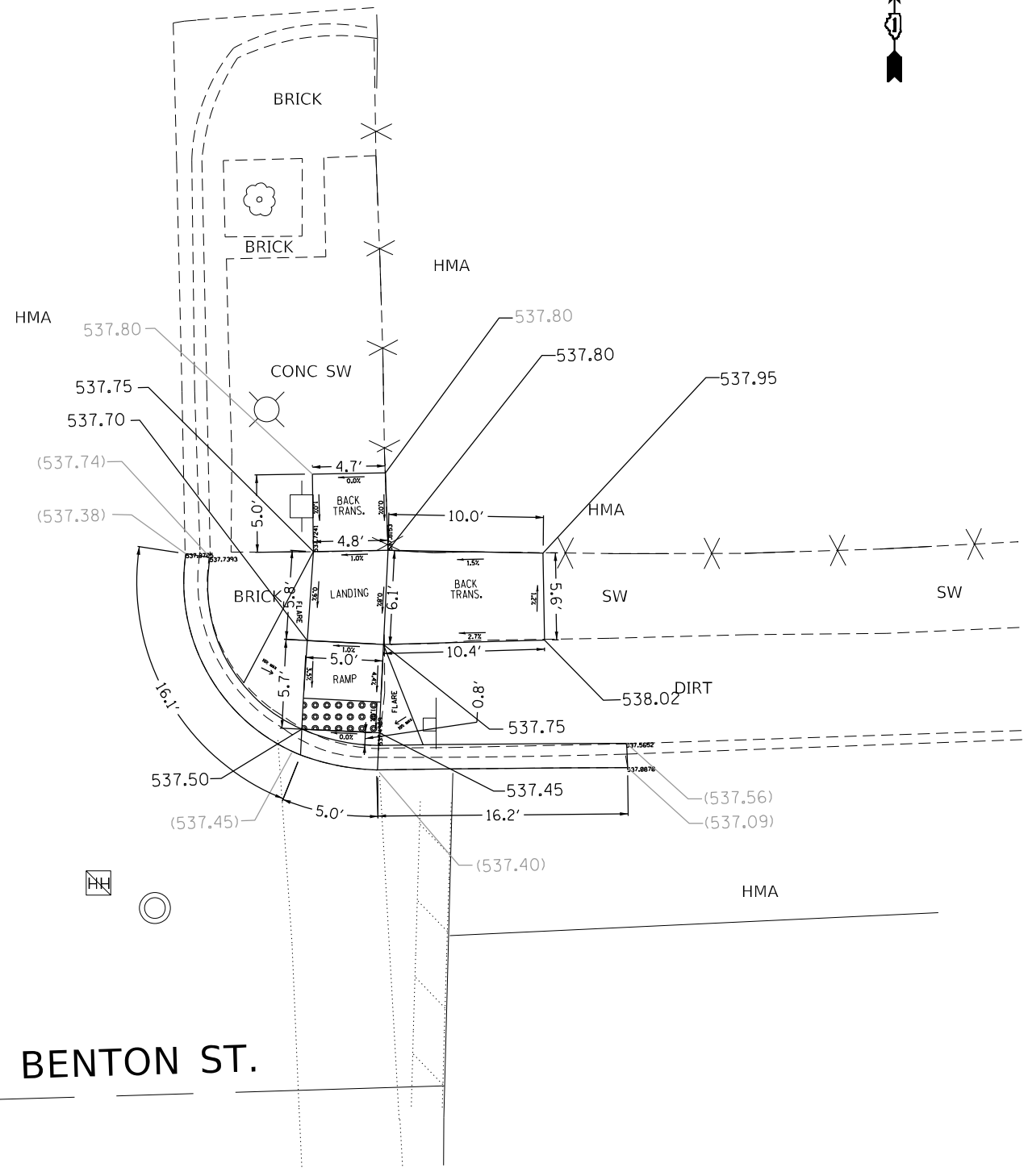
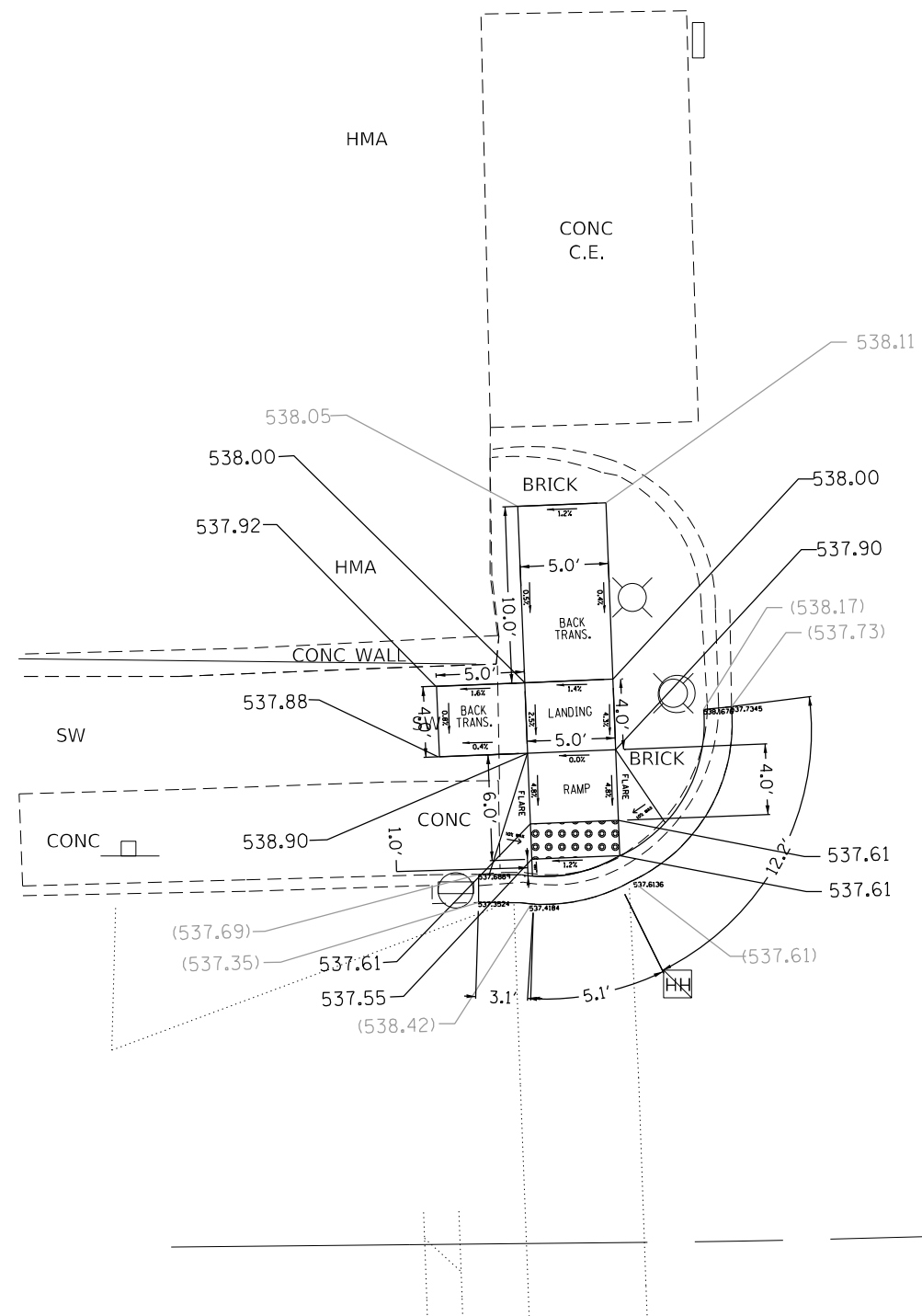
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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	18
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				



BENTON ST.

REFERENCE BENCHMARK ELEV: 538.906
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND BENTON ST.

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
■	PROPOSED SIDEWALK
●●●●	DETECTABLE WARNINGS
⊗	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & BENTON ST.

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PLOT DATE = 12/15/2023	CHECKED -	REVISED -
	DATE -	REVISED -

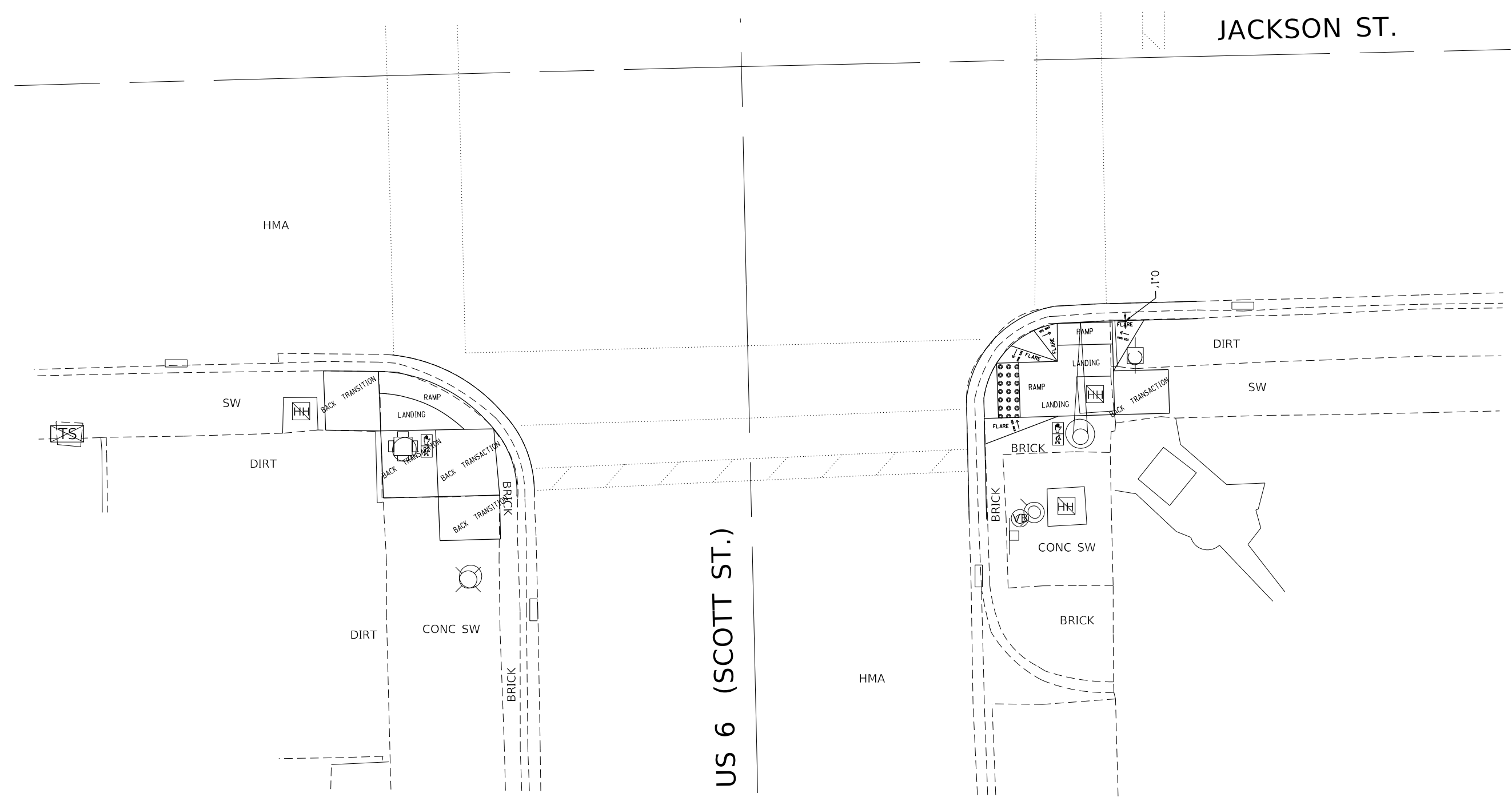
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R94	

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REFERENCE BENCHMARK ELEV: 537.44
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT NW. CORNER OF SCOTT ST. AND JACKSON ST.

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

S.W. AND S.E. CORNER OF IL-53 / SCOTT ST. & JACKSON ST.

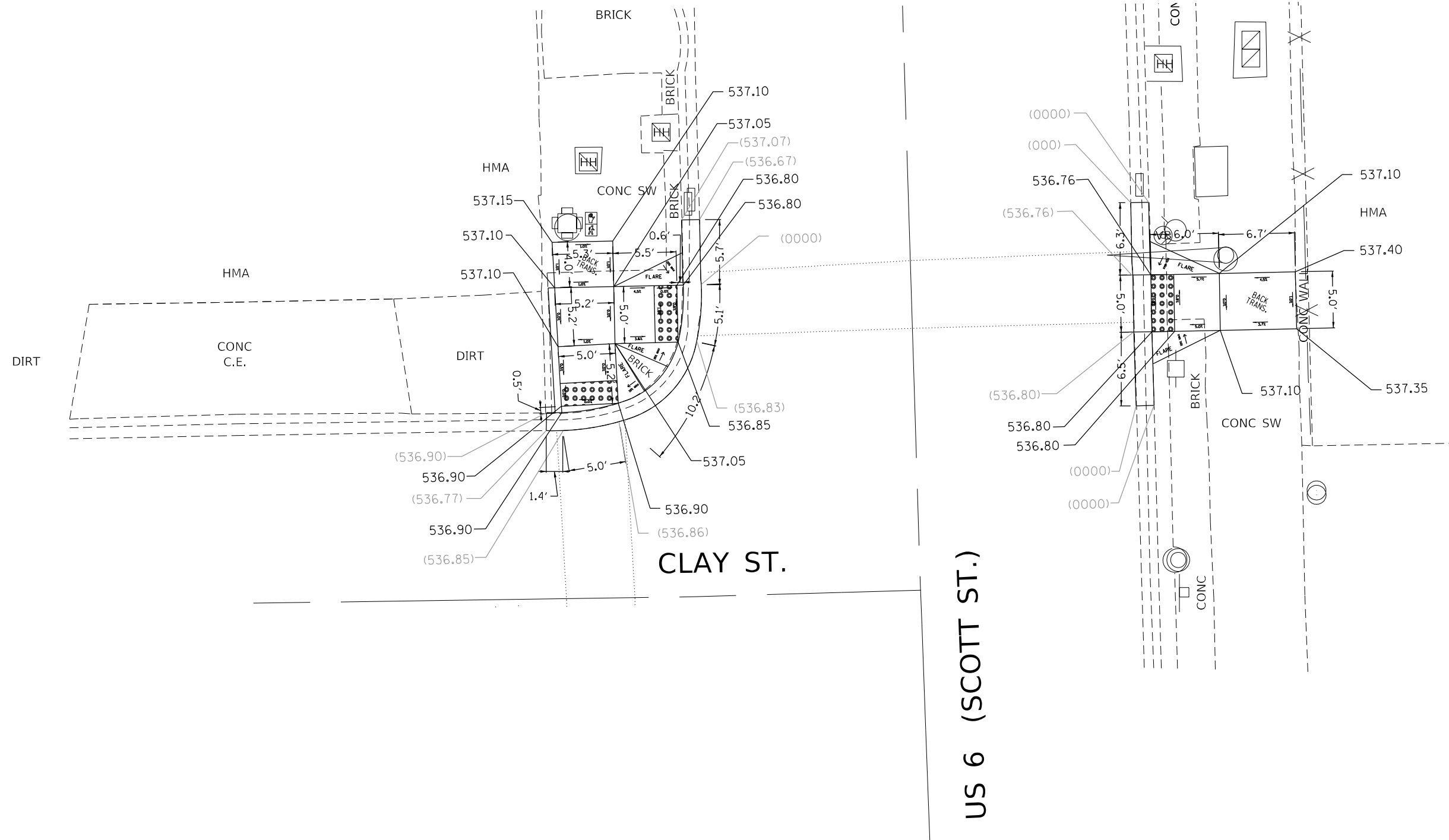
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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 112	SECTION FAP 0112 22 RS	COUNTY WILL	TOTAL SHEETS 56	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R94	



REFERENCE BENCHMARK ELEV: 537.479
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND CLAY ST.

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
■	PROPOSED SIDEWALK
●●●●	DETECTABLE WARNINGS
⊗	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & CLAY ST.

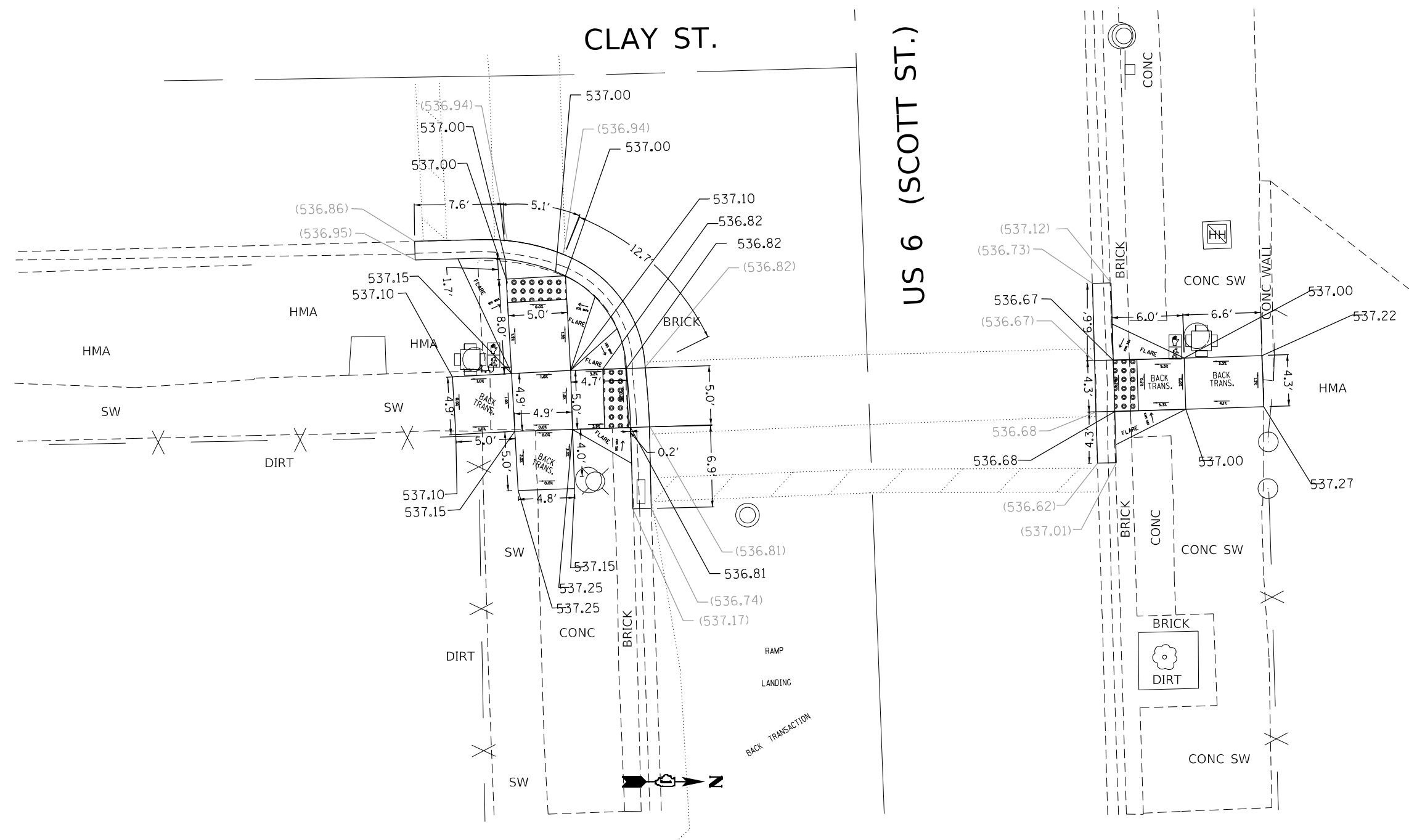
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PLOT DATE = 12/15/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 / IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 112	SECTION FAP 0112 22 RS	COUNTY WILL	TOTAL SHEETS 56	SHEET NO. 24
ILLINOIS			FED. AID PROJECT	



REFERENCE BENCHMARK ELEV: 537.479
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND CLAY ST.

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
■	PROPOSED SIDEWALK
⬢	DETECTABLE WARNINGS
⊠	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

S.W. AND S.E. CORNER OF IL-53 / SCOTT ST. & CLAY ST.

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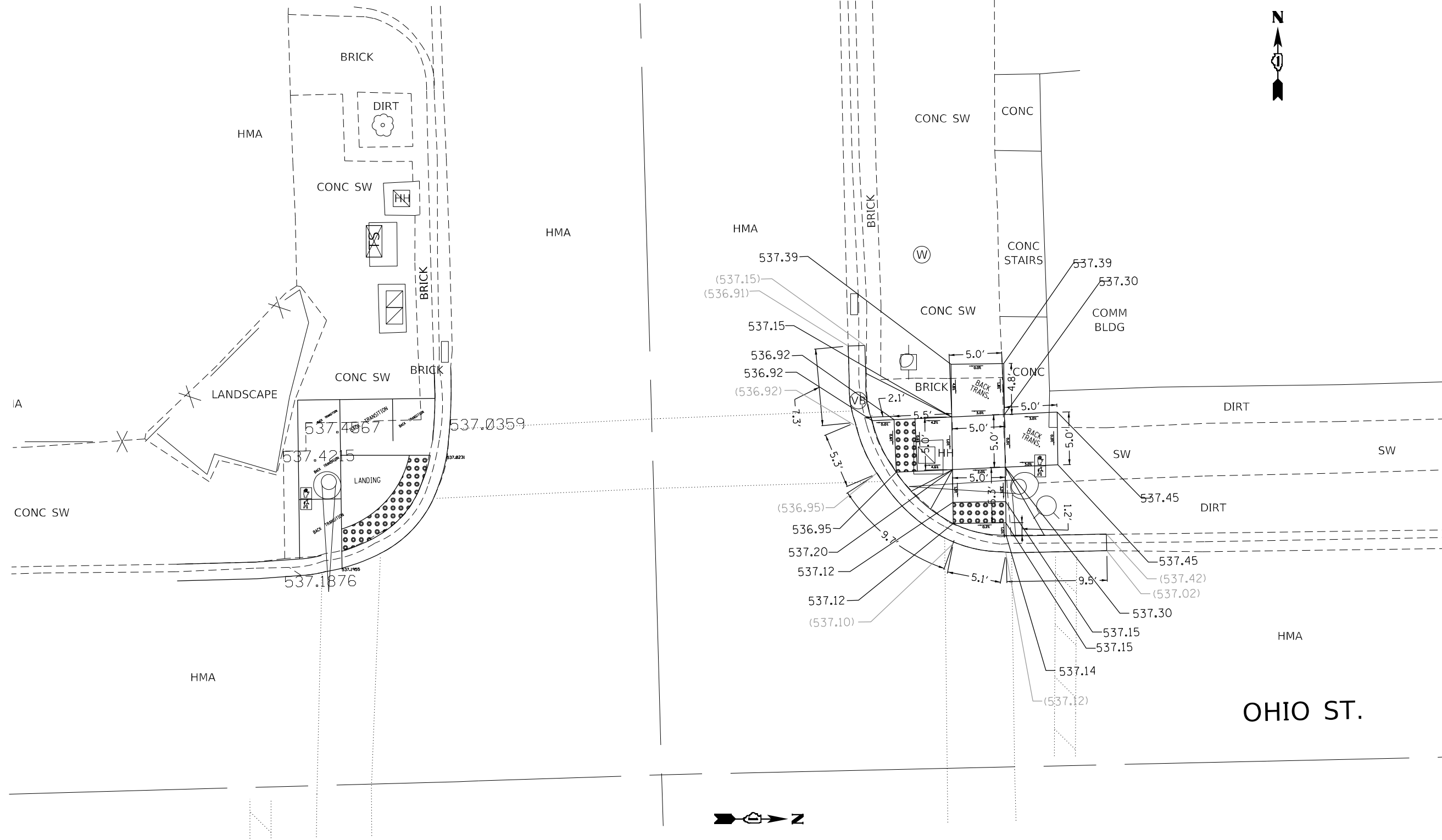
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	DRAWN -	REVISD -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISD -
PLOT DATE = 12/15/2023	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	25
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV: 537.82
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND OHIO ST.

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
■	PROPOSED SIDEWALK
■ (grid)	DETECTABLE WARNINGS
■ (cross-hatch)	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND N.E. CORNER OF IL-53 / SCOTT ST. & OHIO ST.

MODEL: Default
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PLOT DATE = 12/15/2023	CHECKED -	REVISED -
	DATE -	REVISED -

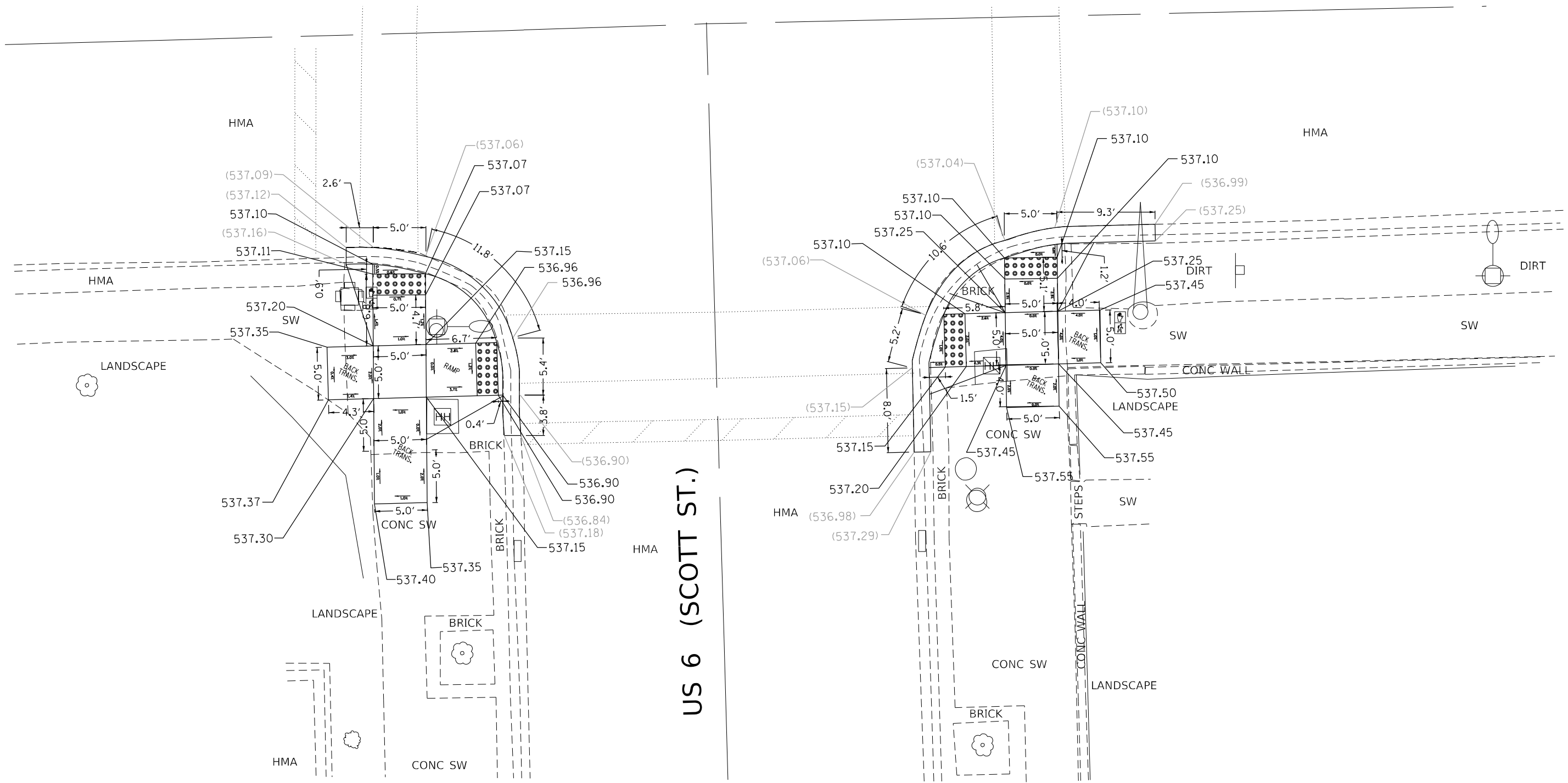
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 / IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R94	

OHIO ST.



US 6 (SCOTT ST.)

REFERENCE BENCHMARK ELEV: 537.82
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND OHIO ST.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Grey Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	DETECTABLE WARNINGS
[Cross-hatch Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

S.W. AND S.E. CORNER OF IL-53 / SCOTT ST. & OHIO ST.

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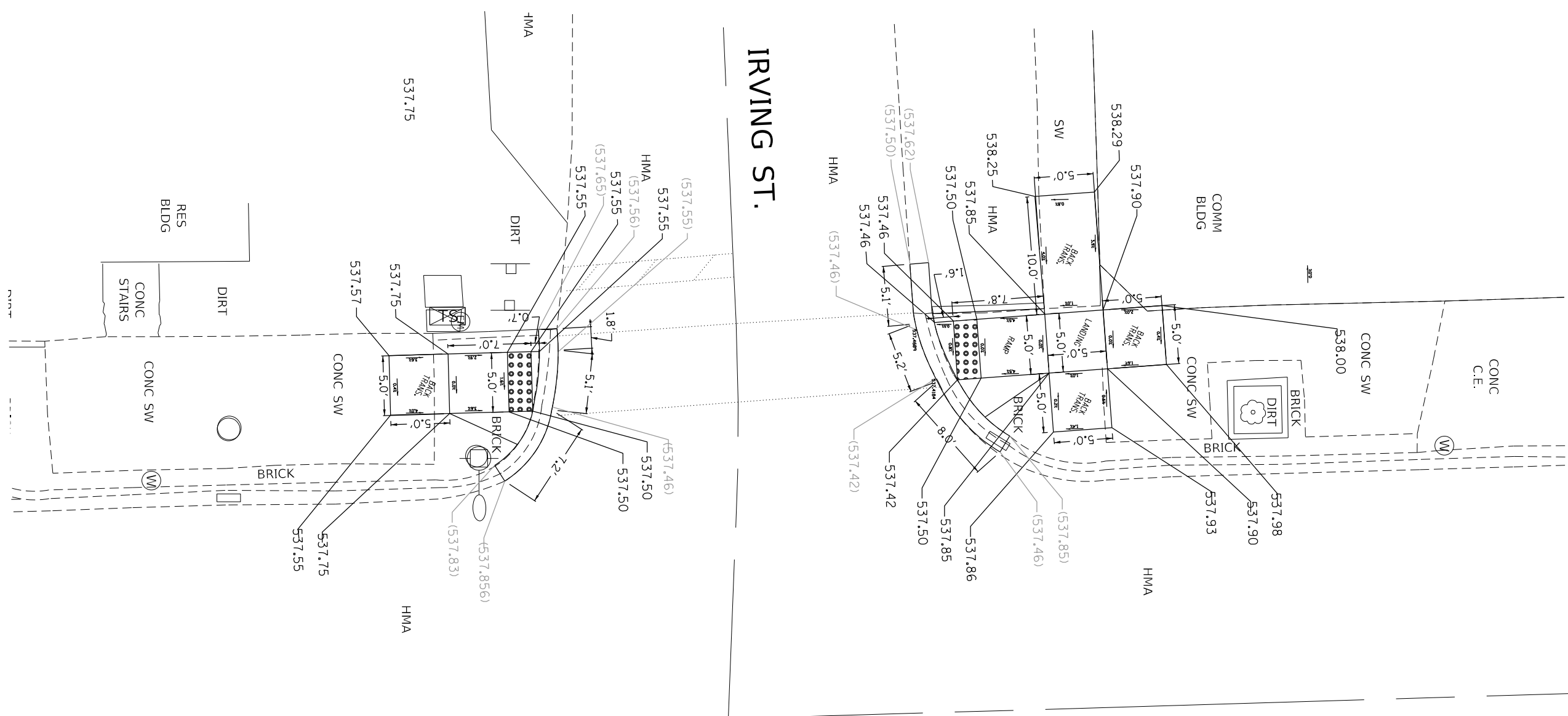
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	DRAWN -	REVISED -
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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
U.S. ROUTE 6 / IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	27
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				



US 6 (SCOTT ST.)

IRVING ST.



REFERENCE BENCHMARK ELEV: 538.04
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND IRVING ST.

LEGEND	
xx.xx'	EXISTING LENGTH
=====	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.W. AND S.W. CORNER OF IL-53 /SCOTT ST. & IRVING ST.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

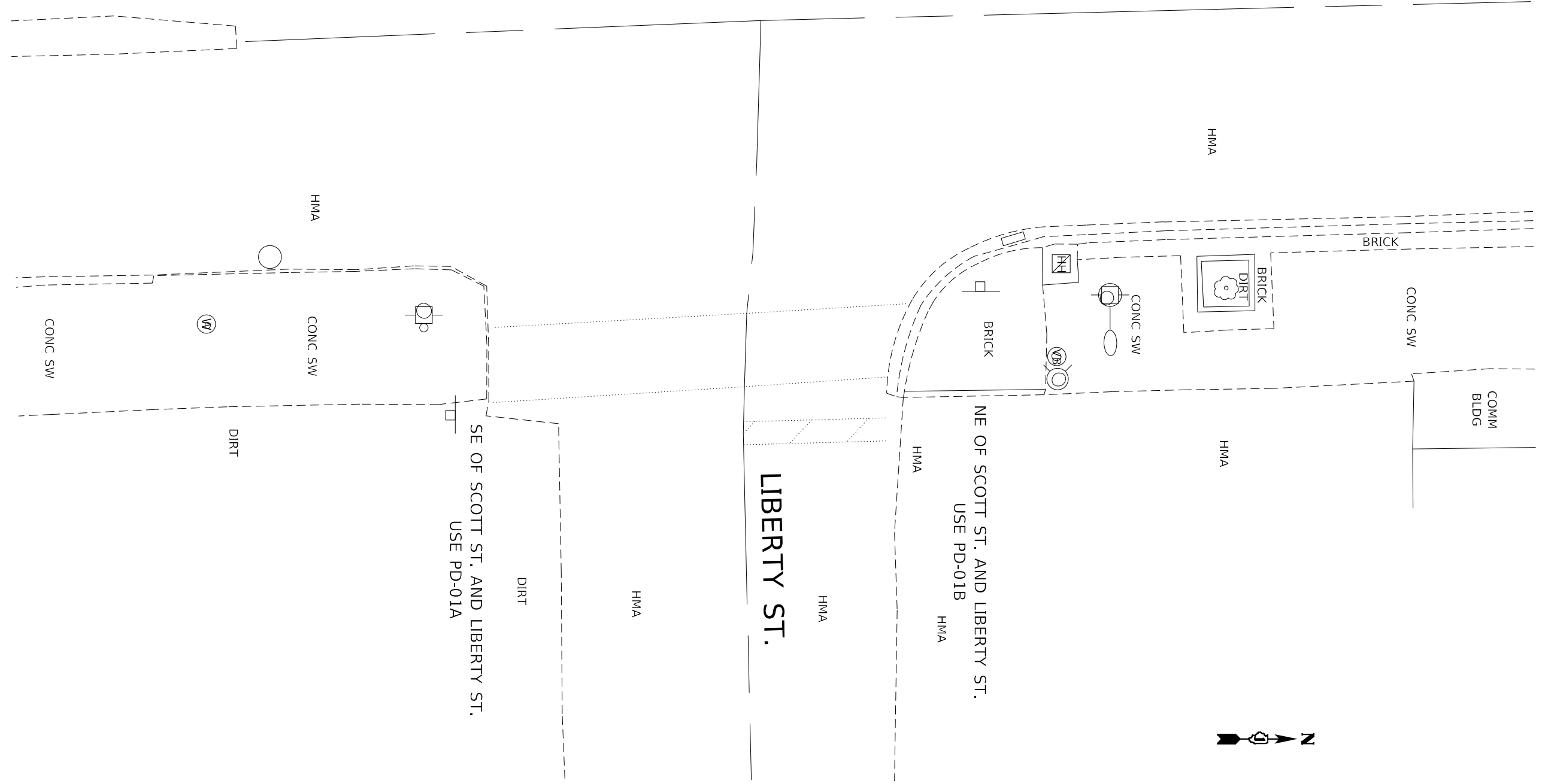
PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = Sher,Khan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	28
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

US 6 (SCOTT ST.)



REFERENCE BENCHMARK ELEV: 539.92
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT NE. CORNER OF SCOTT ST. AND LIBERTY ST.

LEGEND	
xx.xx'	EXISTING LENGTH
	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N.E. AND S.E. CORNER OF IL-53 /SCOTT ST. & LIBERTY ST.

MODEL: Default
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USER NAME = Sher,Khan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

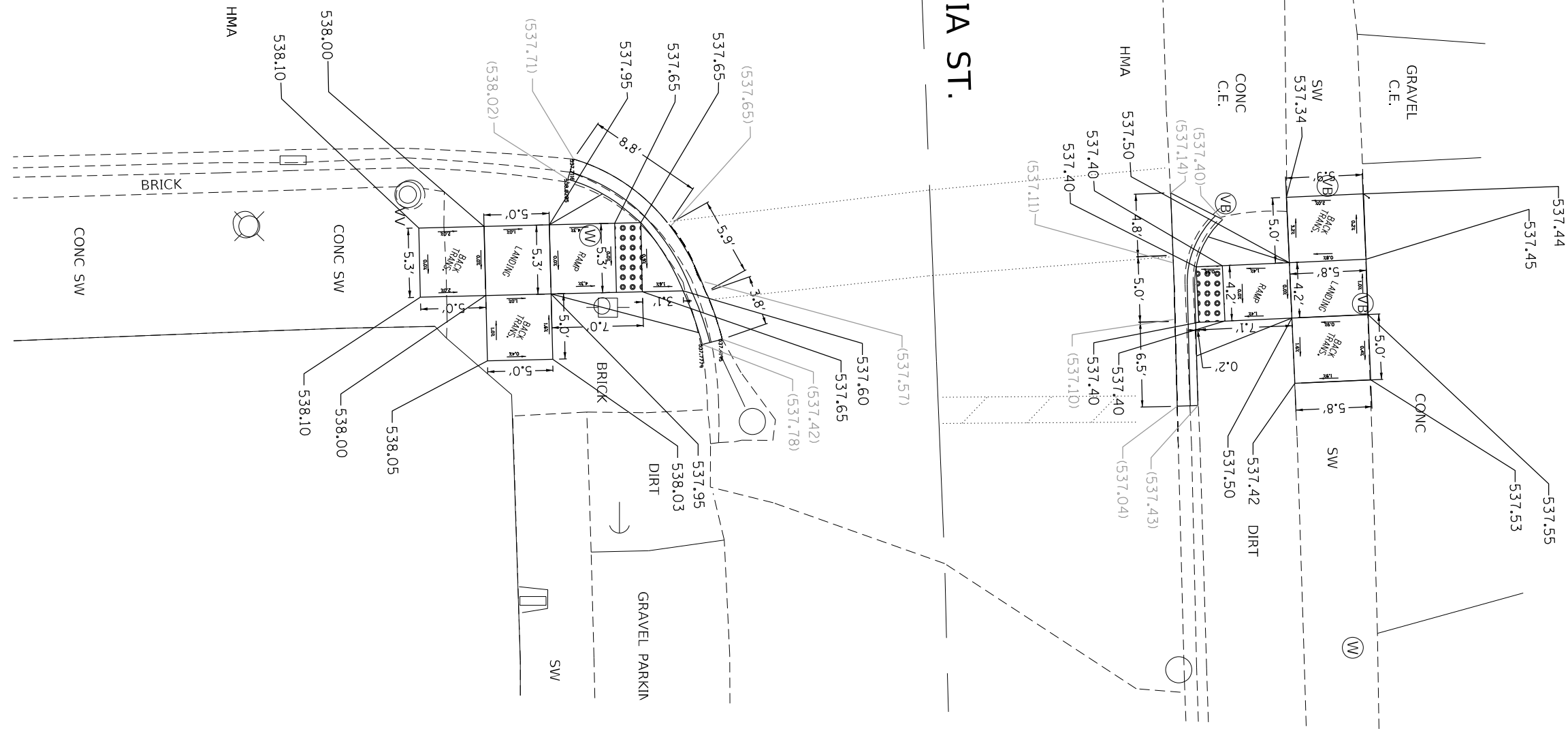
**PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)**

SCALE: SHEET OF SHEETS STA. TO STA.







F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	29
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

US 6 (SCOTT ST.)

COLUMBIA ST.



REFERENCE BENCHMARK ELEV: xxxxxx
 BENCHMARK DESCRIPTION : SQUARE IN THE S. CONC. BASE OF T.S. WITH ARM
 BENCHMARK LOCATION : AT SW. CORNER OF SCOTT ST. AND COLUMBIA ST.

LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	EXISTING LENGTH
	PROPOSED SIDE CURB
	EXISTING ELEVATION/SLOPE

N.E. AND S.E. CORNER OF IL-53 /SCOTT ST. & COLUMBIA ST.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN CURB RAMP DETAIL PLAN
 U.S. ROUTE 6 /IL ROUTE 53 (WASHINGTON ST TO COLUMBIA ST)

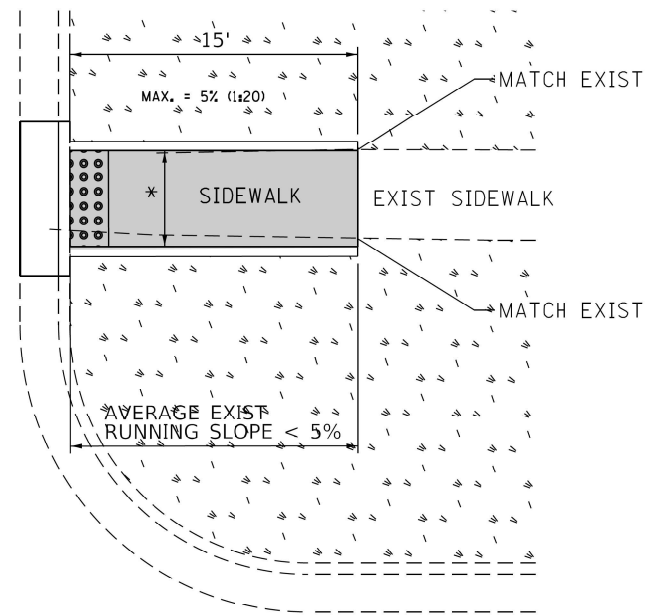
SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = Sher,Khan	DESIGNED -	REVISED -
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PLOT DATE = 12/15/2023	DATE -	REVISED -

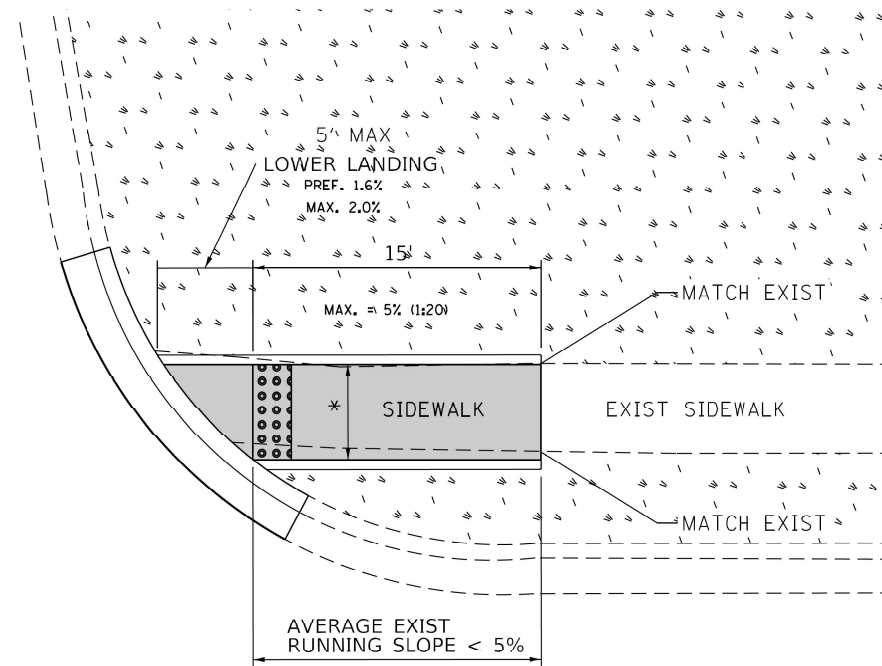
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	30
				CONTRACT NO. 62R94
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

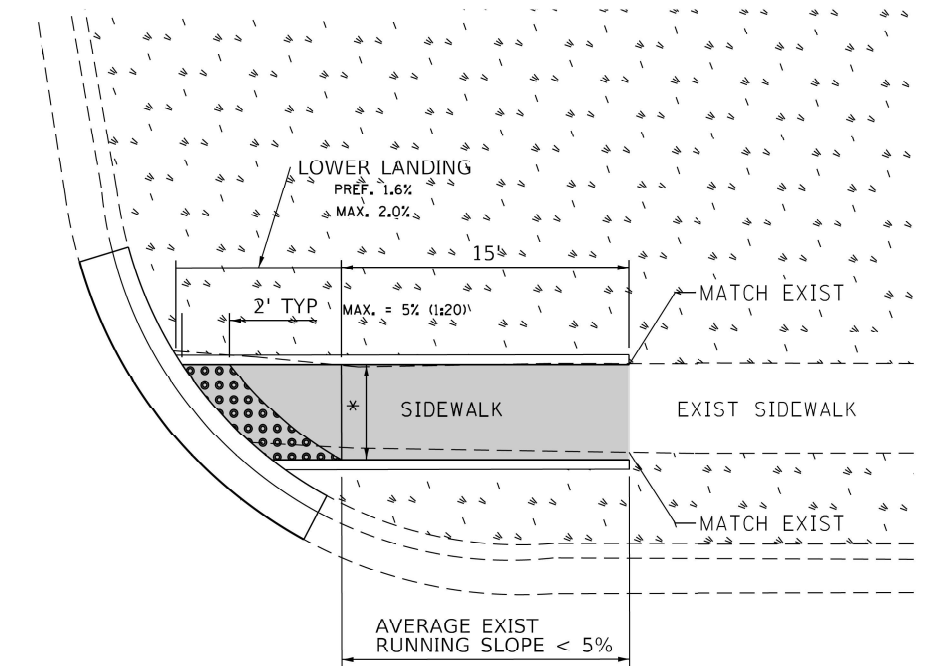
PD-01A



PD-01B



PD-01C



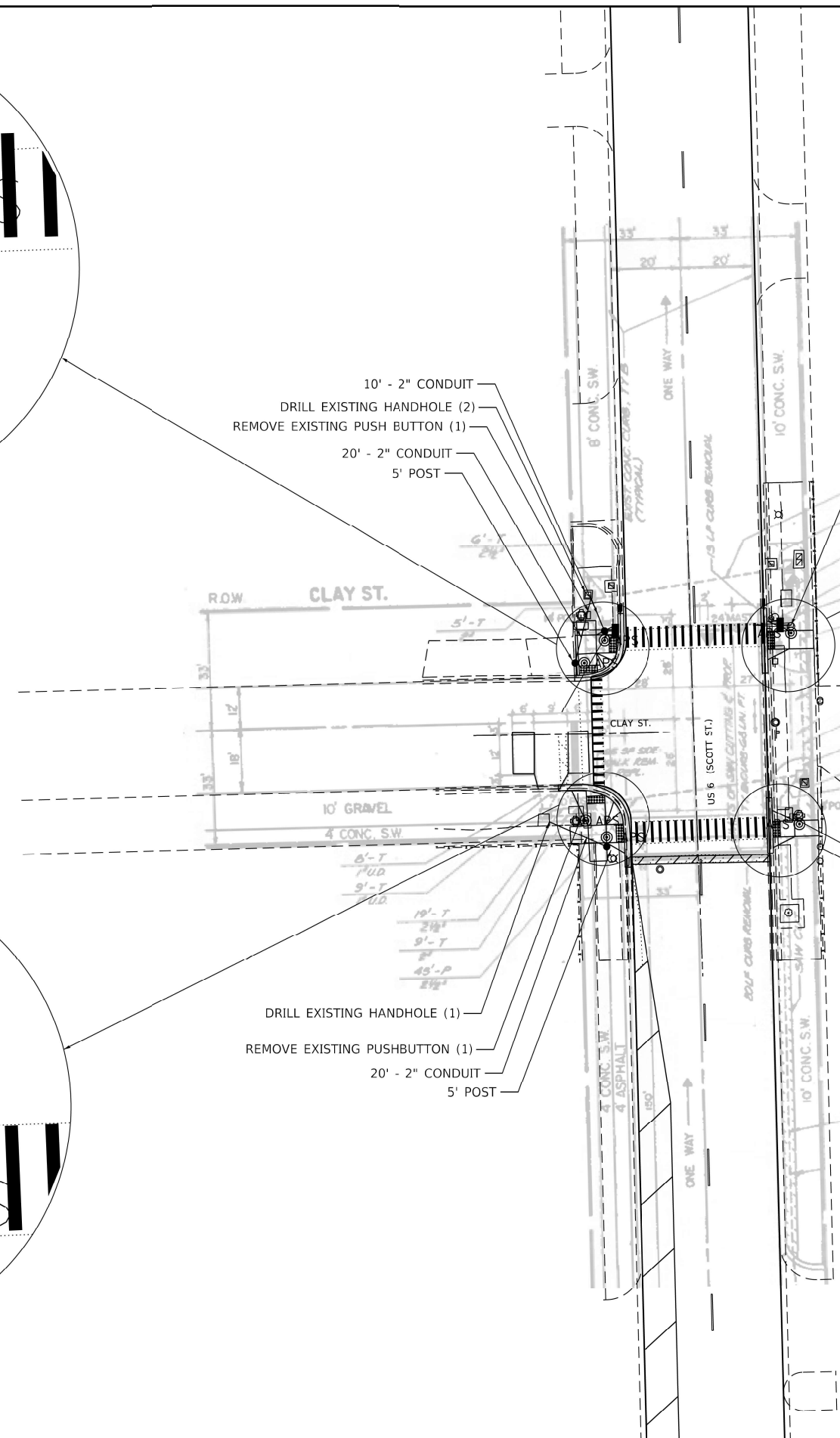
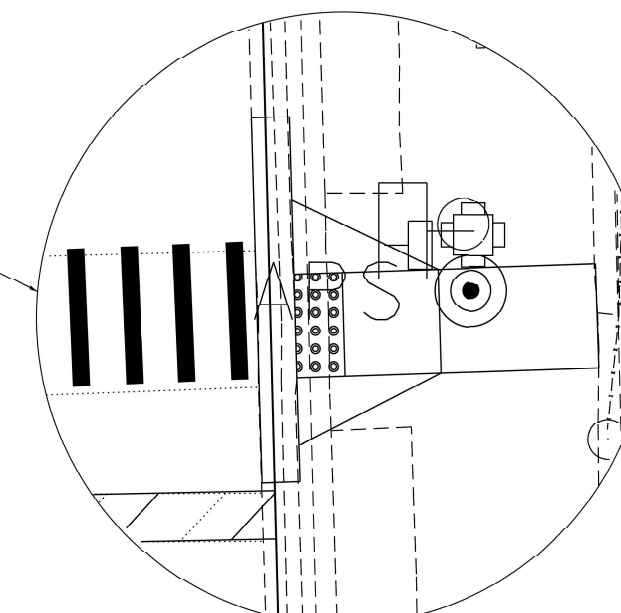
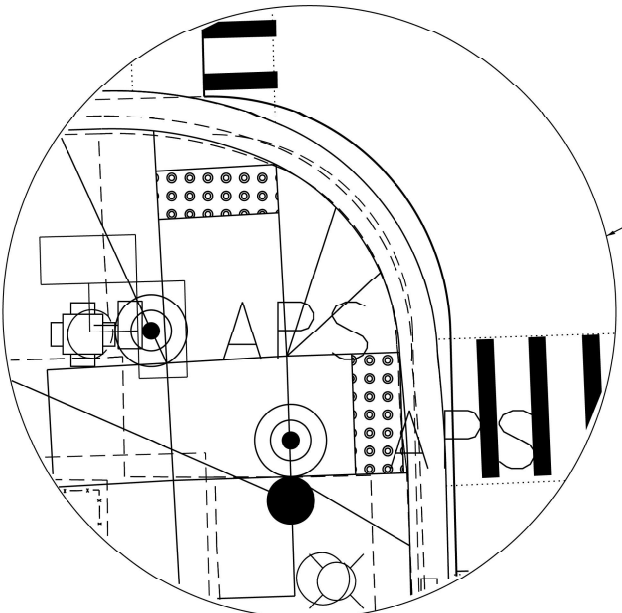
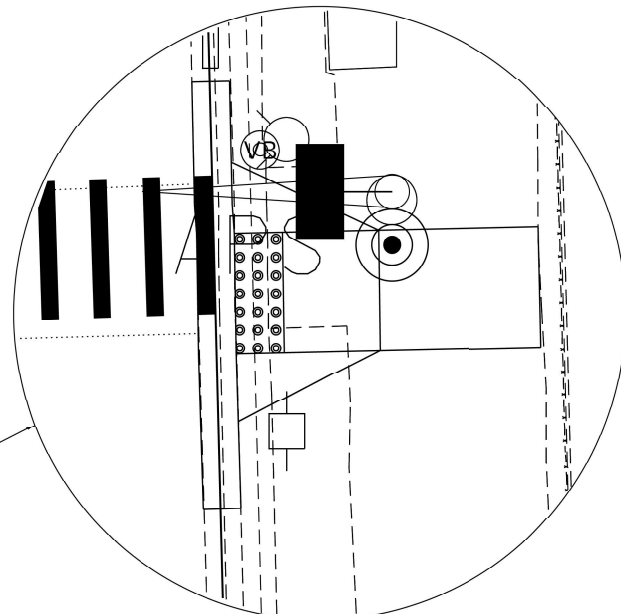
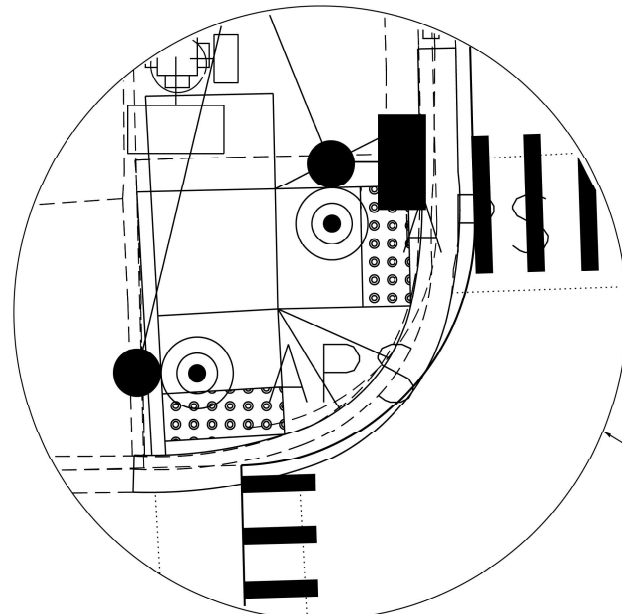
DESIGNER NOTES:
 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

CONSTRUCTION NOTES:
 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
 * MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ldezmar	DESIGNED -	REVISED -	STATE OF ILLINOIS	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plen.dgn	details\Typical-ADA-sht-plen.dgn	DRAWN - RL 11/12/2019	REVISED -	DEPARTMENT OF TRANSPORTATION	(PD-01)	112	FAP 0112 22 RS	WILL	56	31
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -		SCALE:	PD-01		CONTRACT NO. 62R94		
	PLOT DATE = 11/12/2019	DATE -	REVISED -		SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



- 10' - 2" CONDUIT
- DRILL EXISTING HANDHOLE (2)
- REMOVE EXISTING PUSH BUTTON (1)
- 20' - 2" CONDUIT
- 5' POST
- REMOVE EXISTING PUSHBUTTON (1)
- REMOVE EXISTING PUSHBUTTON (1)
- DRILL EXISTING HANDHOLE (1)
- REMOVE EXISTING PUSHBUTTON (1)
- 20' - 2" CONDUIT
- 5' POST

USER: wloton
 MODEL: Detail
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PLOT DRIVER = SPLTRVSS
 PEN TABLE = SPENBLSS
 PLOT SCALE = 40.0000 * / ft.
 PLOT DATE = 12/14/2023 5:14:48 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

REVISED -
 REVISED -
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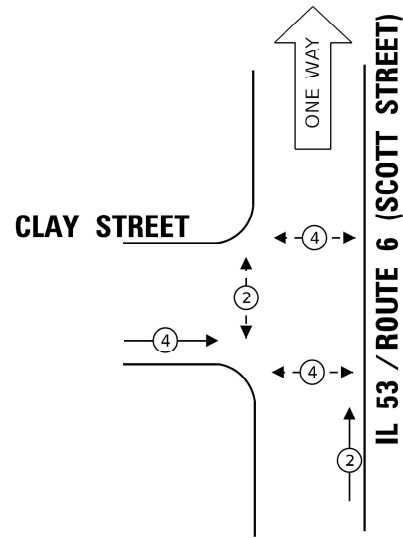
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US ROUTE 6 AT CLAY STREET
 SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	32
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

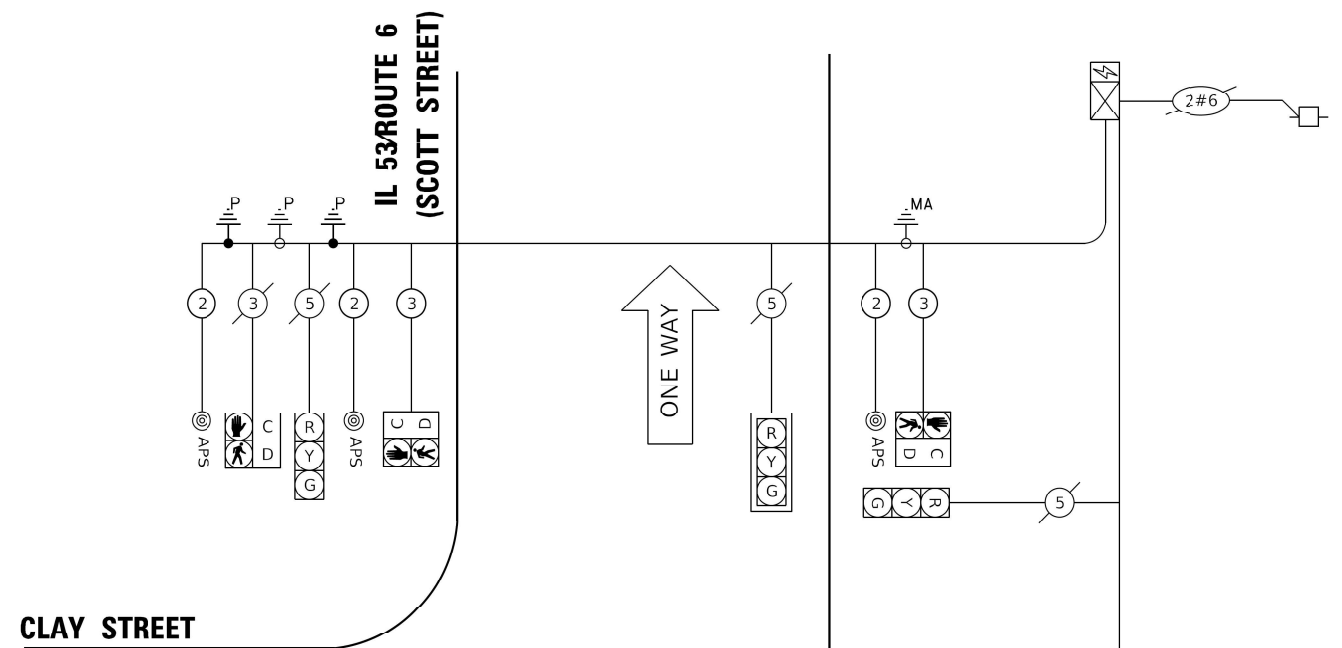
TS 21801
ECON 122

PHASE DESIGNATION DIAGRAM



LEGEND:

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



SCHEDULE OF QUANTITIES

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	11	50	33
(YELLOW)	6	20	5	6
(GRFFN)	6	12	45	32.4
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL CONTROLLER	8	20	100	160
UPS	-	100	100	-
VIDEO SYSTEM	-	25	100	-
BLANK-OUT SIGN	-	115	100	-
FLASHER	-	25	5	-
STREET NAME SIGN	-	-	50	-
LUMINAIRE	-	120	50	-
		285	50	-
TOTAL =				235.4

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	142
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	420
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	360
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	212
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: TIM COSLET
 PHONE: (815) 724-5010
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

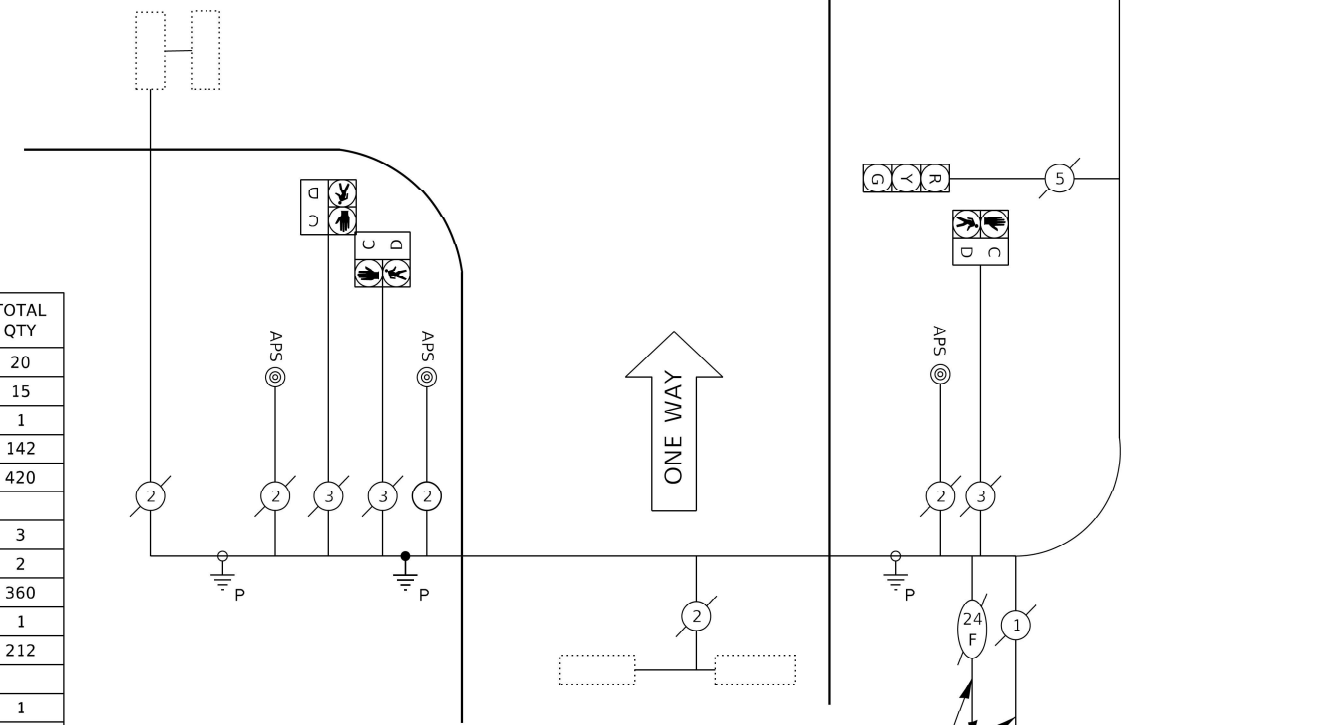
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DESIGNED - WBL	REVISED -
DRAWN - MMC	REVISED -
CHECKED - B	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT CLAY STREET

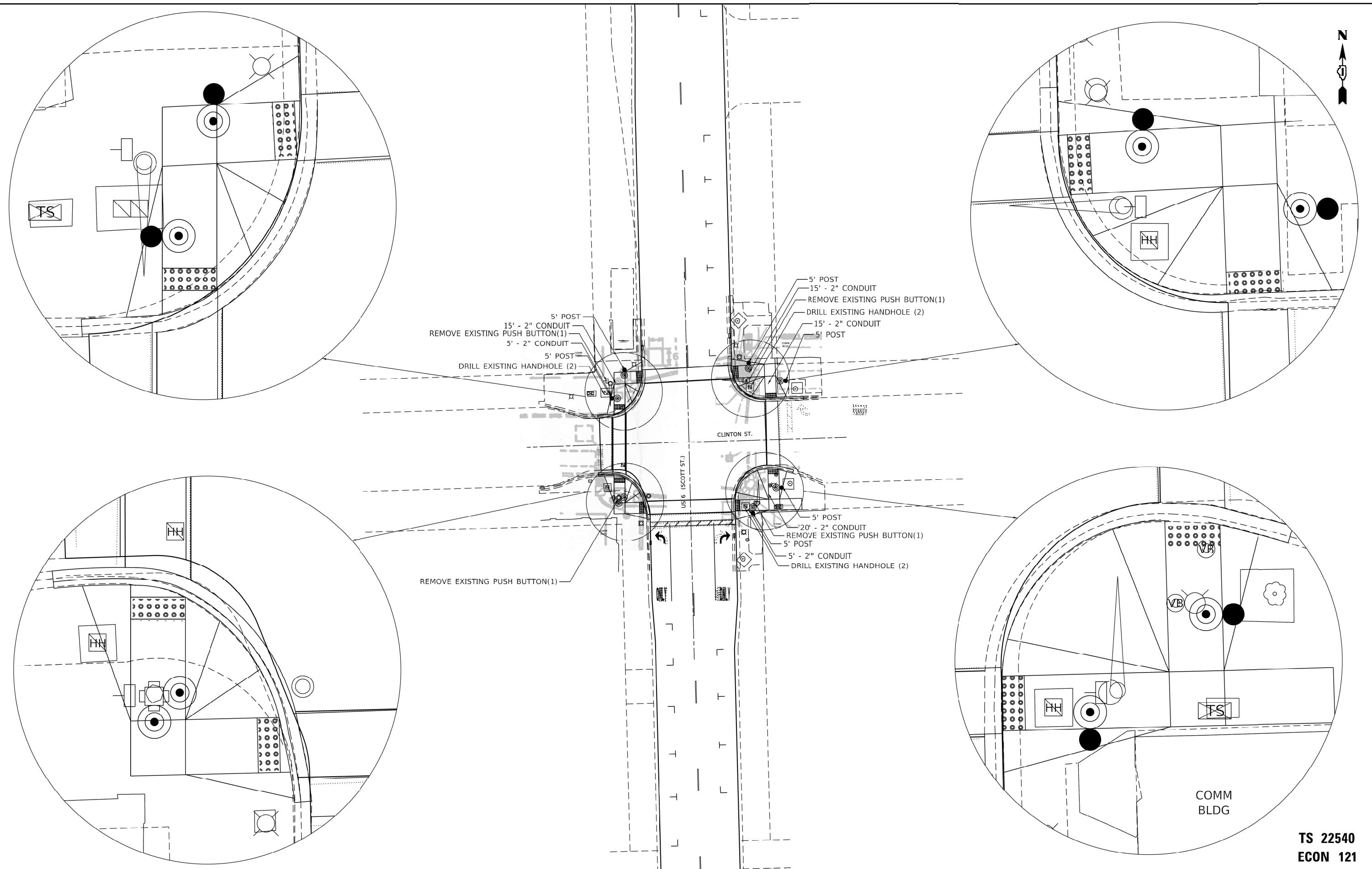
E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	33
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				



CABLE PLAN

(NOTE TO SCALE)

TS 21801
ECON 122



5' POST
 15' - 2" CONDUIT
 REMOVE EXISTING PUSH BUTTON(1)
 DRILL EXISTING HANDHOLE (2)
 15' - 2" CONDUIT
 5' POST

5' POST
 20' - 2" CONDUIT
 REMOVE EXISTING PUSH BUTTON(1)
 5' POST
 5' - 2" CONDUIT
 DRILL EXISTING HANDHOLE (2)

TS 22540
ECON 121

USER: wilton
 MODEL: Detail
 FILE NAME: P:\134-001-DLZ-IDOT-Traffic-Design-PMD\Design\Work-Order-21CADD\CADD_Sheets\62R94\22540-134-001-TS-ECON\ts22540.dgn



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 PEN TABLE = SPENBLS5
 PLOT SCALE = 40.0000' / 1"
 PLOT DATE = 12/14/2023 5:16:19 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

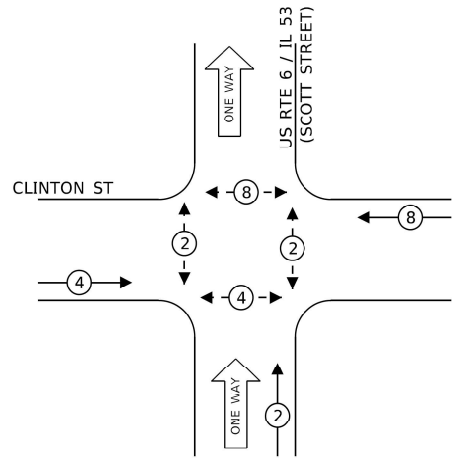
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US ROUTE 6 AT CLINTON ST
 SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	34
			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				

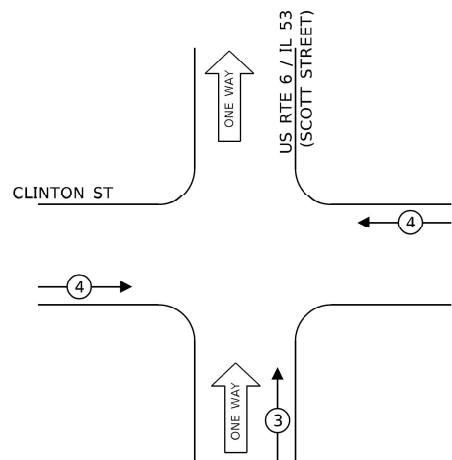
EXISTING CONTROLLER SEQUENCE



LEGEND:

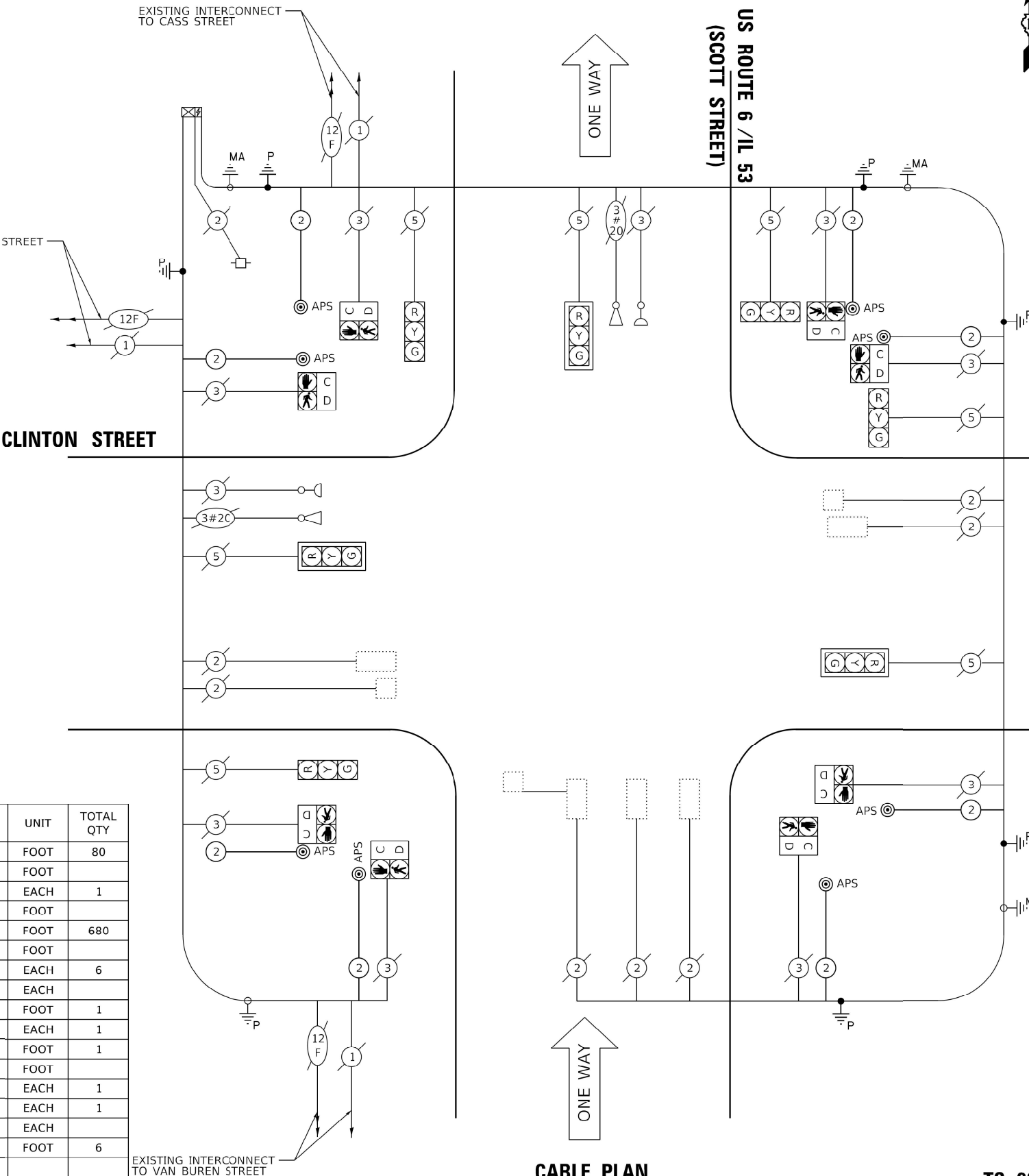
- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM



SCHEDULE OF QUANTITIES

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS					ITEM DESCRIPTION		UNIT	TOTAL QTY
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80	
SIGNAL (RED)	7	11	50	38.5	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT		
(YELLOW)	7	20	5	7	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
(GRFFN)	7	12	45	37.8	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT		
PERMISSIVE ARROW	-	10	10	-	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	680	
PED. SIGNAL	8	20	100	160	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT		
CONTROLLER	-	100	100	-	DRILL EXISTING HANDHOLE	EACH	6	
UPS	-	25	100	-	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH		
VIDEO SYSTEM	-	115	100	-	DETECTOR LOOP, TYPE I	FOOT	1	
BLANK-OUT SIGN	-	25	5	-	MODIFY EXISTING CONTROLLER CABINET	EACH	1	
FLASHER	-	-	50	-	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1	
STREET NAME SIGN	-	120	50	-	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT		
LUMINAIRE	-	285	50	-	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
TOTAL =				243.3	REBUILD EXISTING HANDHOLE	EACH	1	
ENERGY COSTS TO:					PEDESTRIAN SIGNAL POST, 10 FT.	EACH		
ILLINOIS DEPARTMENT OF TRANSPORTATION					PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	6	
201 W. CENTER COURT					HANDHOLE TO BE ADJUSTED			
SCHAUMBURG, IL 60196-1096					ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	
ENERGY SUPPLY: CONTACT: TIM COSLET					CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24	
PHONE: (815) 724-5010					RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	
COMPANY: COMMONWEALTH EDISON								
ACCOUNT NUMBER: ---								



CABLE PLAN
(NOT TO SCALE)

TS 22540
ECON 121

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT CLINTON STREET

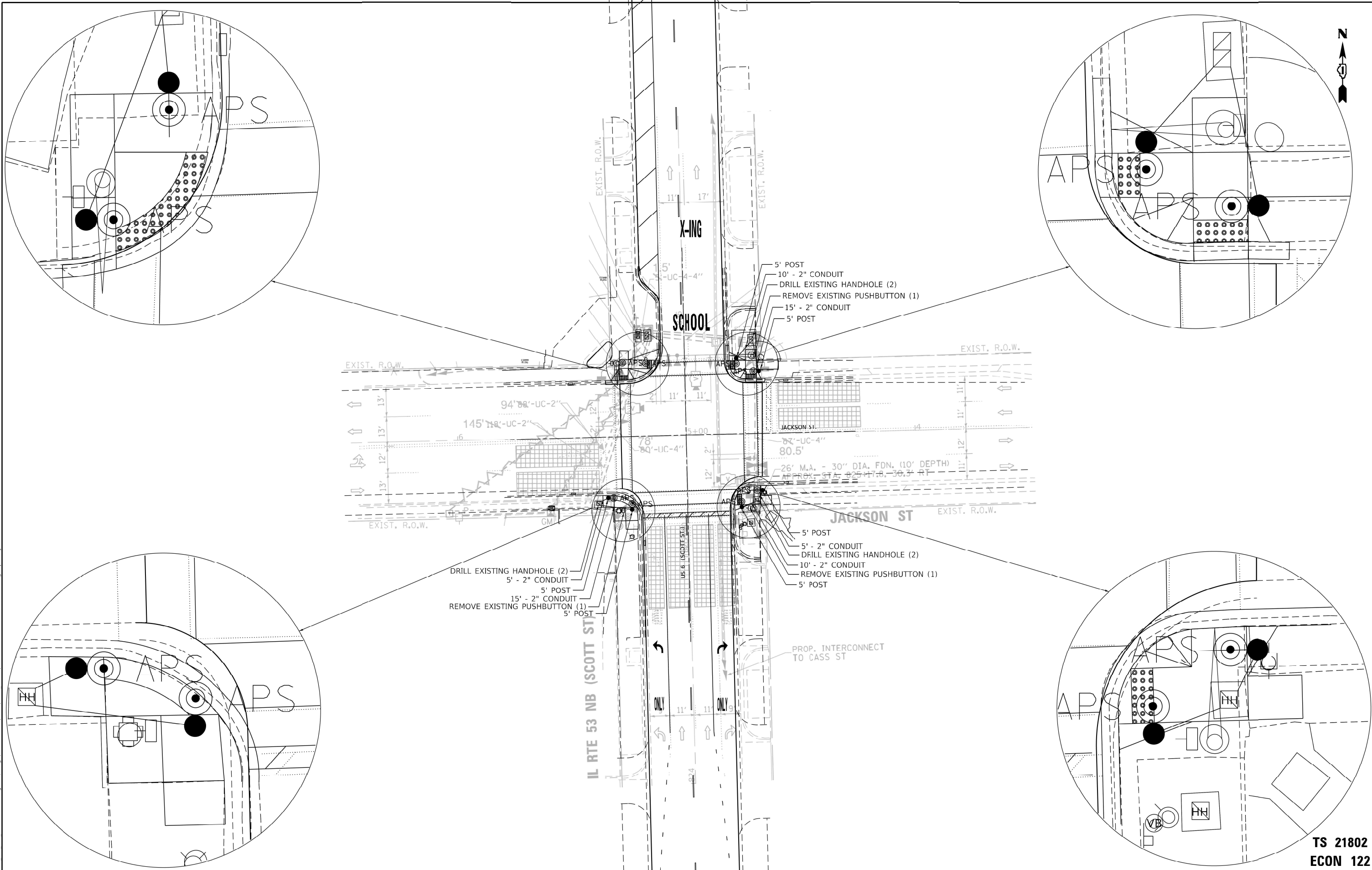
E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	35
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

USER: wloton
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PLOT DRIVER = SPLTRVSS	DESIGNED - WBL	REVISED -
PEN TABLE = SPENBLS5	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED - B	REVISED -
PLOT DATE = 12/14/2023 5:17:20 PM	DATE -	REVISED -



USER: wloton
 MODEL: D:\mtdi\134-001-DLZ-IDOT-Traffic-Design-PMD\Deliverables-Order-21CADD\CADD_Sheets\670462794-dtl-15-1561\670462794.dgn
 FILE NAME: PLOT_134-001-DLZ-IDOT-Traffic-Design-PMD\Deliverables-Order-21CADD\CADD_Sheets\670462794.dgn

TS 21802
ECON 122



PLOT DRIVER = \$PLTRVSS
 PEN TABLE = SPENBLSS
 PLOT SCALE = 40.0000 * / ft.
 PLOT DATE = 12/14/2023 5:18:32 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

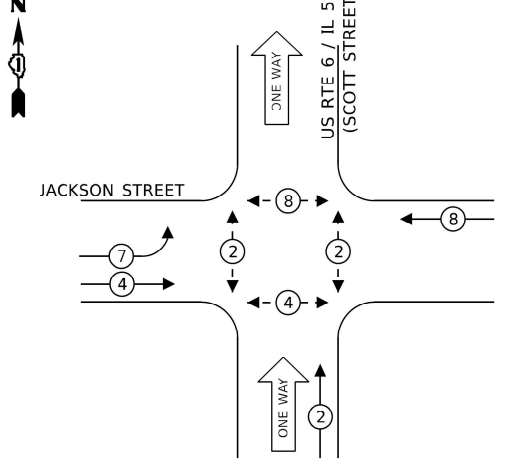
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US ROUTE 6 AT JACKSON STREET

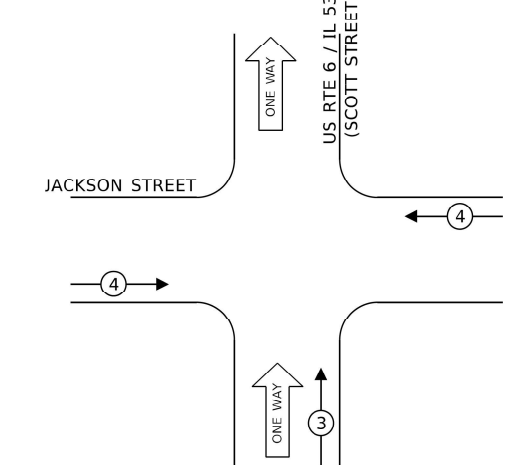
SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	36
				CONTRACT NO. 62R94
ILLINOIS FED. AID PROJECT				

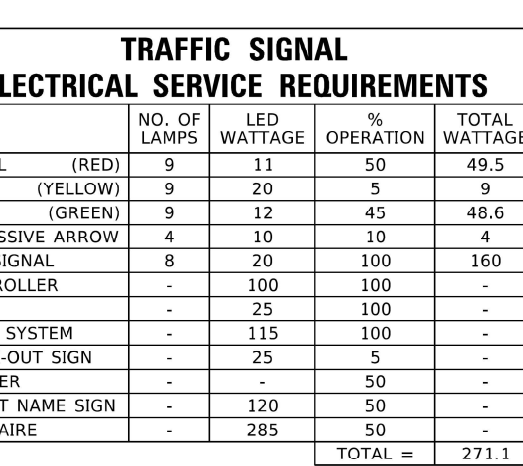
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



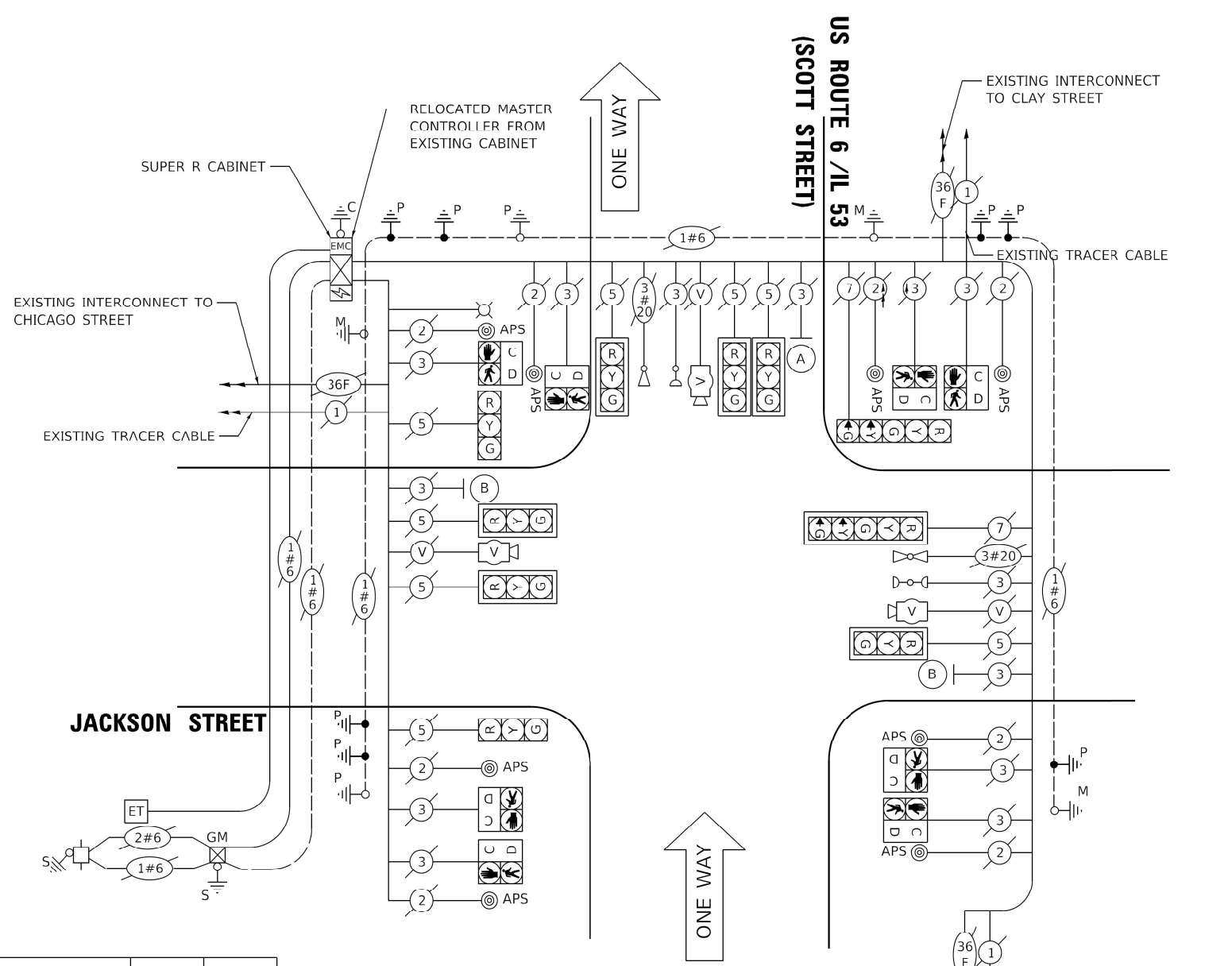
EXISTING PHASE DESIGNATION DIAGRAM



- LEGEND:**
- ⊛ — PROTECTED PHASE
 - ⊛ — PROTECTED/PERMITTED PHASE
 - ⊛ — PEDESTRIAN PHASE
 - OL — OVERLAP

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

NOTE:
EXISTING LOCAL CONTROLLER IS AN ECONOLITE ASC/2-2000 AND THE EXISTING MASTER CONTROLLER IS AN ECONOLITE ASC/2M-1000, BOTH IN A PAINTED TYPE IV CABINET.



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	60
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	872
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	360
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	212
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

CABLE PLAN
(NOT TO SCALE)

USER: wdoton MODEL: D:\proj\134-001-DUZ-IDOT-Traffic-Design-PMO\Drawings\Work-Order-2102\001\001\Drawings\Sheet\2102\2102-001-15-1561\JacksonSt.cabplan.dwg FILE NAME: P134-001-DUZ-IDOT-Traffic-Design-PMO\Drawings\Work-Order-2102\001\001\Drawings\Sheet\2102\2102-001-15-1561\JacksonSt.cabplan.dwg

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	8	20	100	160
CONTROLLER	-	100	100	-
UPS	-	25	100	-
VIDEO SYSTEM	-	115	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	285	50	-
TOTAL =				271.1

ENERGY COSTS TO:
CITY OF JOLIET
150 W. JEFFERSON ST
JOLIET, IL 60432
ENERGY SUPPLY: CONTACT: ANNETTE KISALA
PHONE: (815)-724-5328
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

DESIGNED - WBL	REVISED -
DRAWN - MMC	REVISED -
CHECKED - B	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

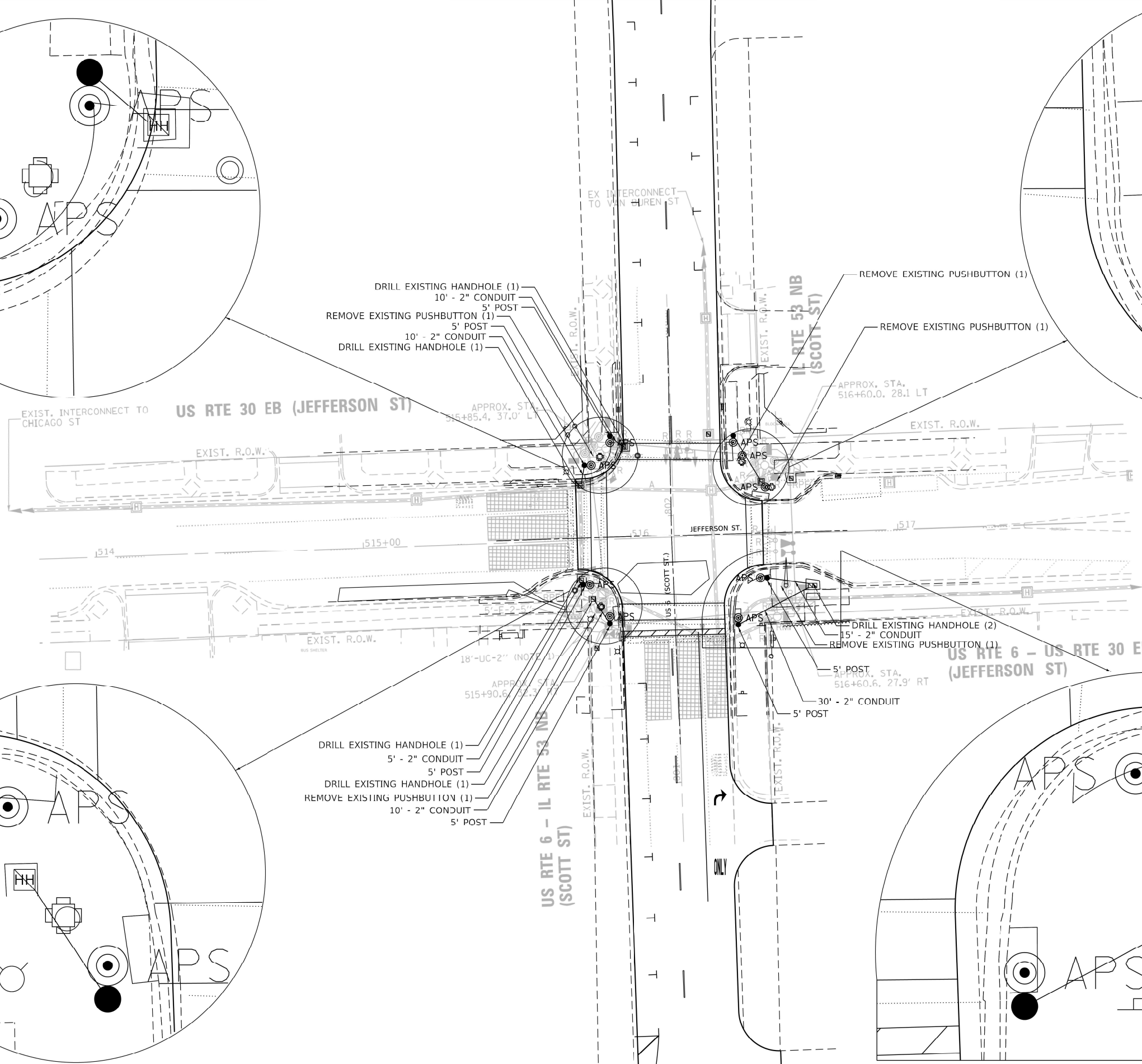
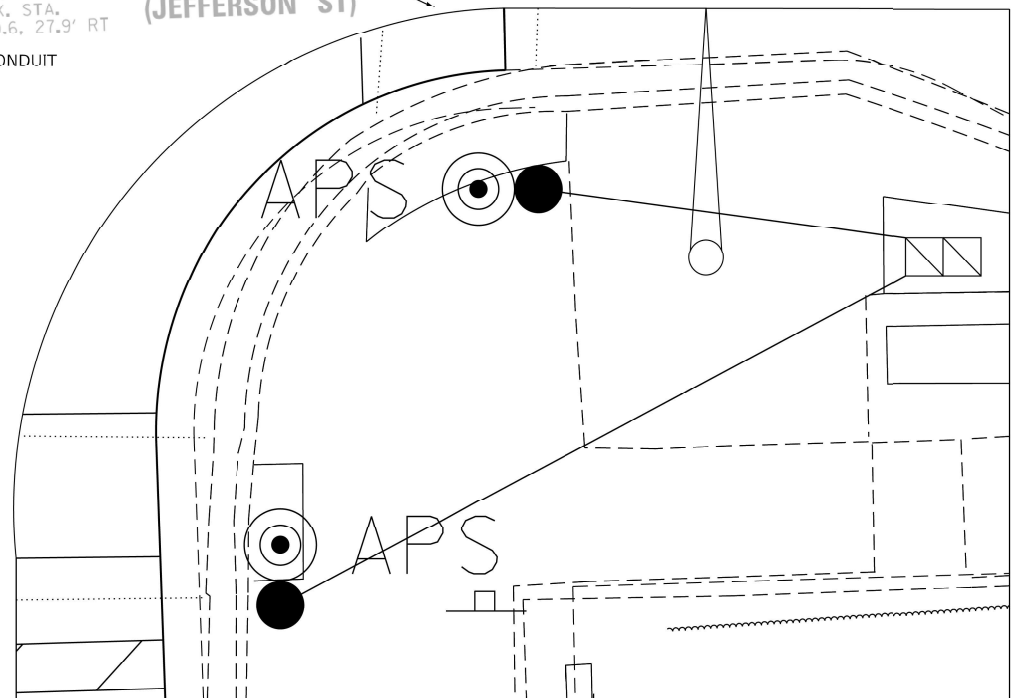
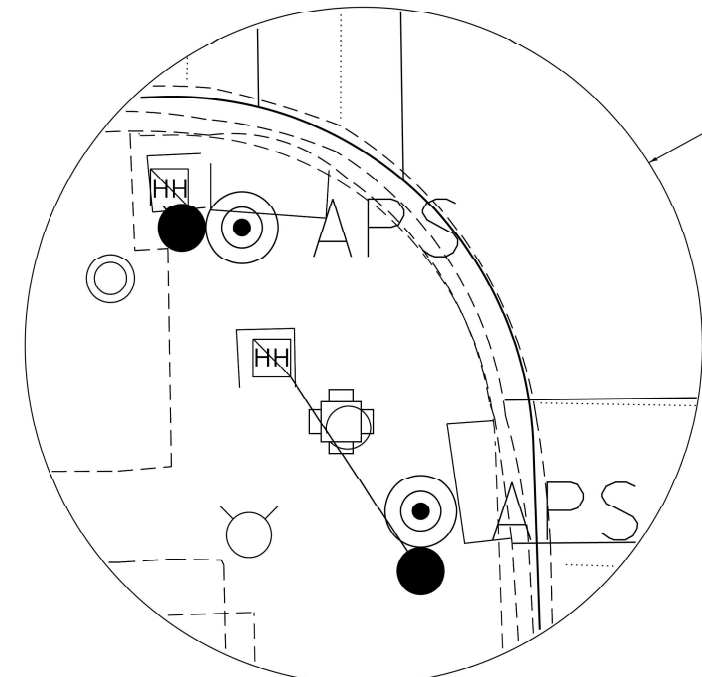
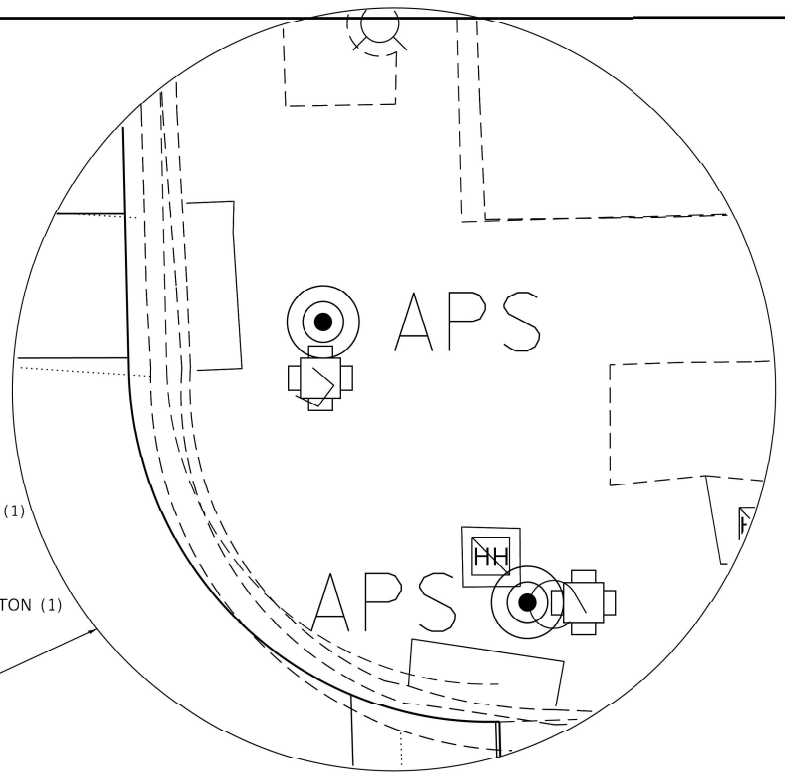
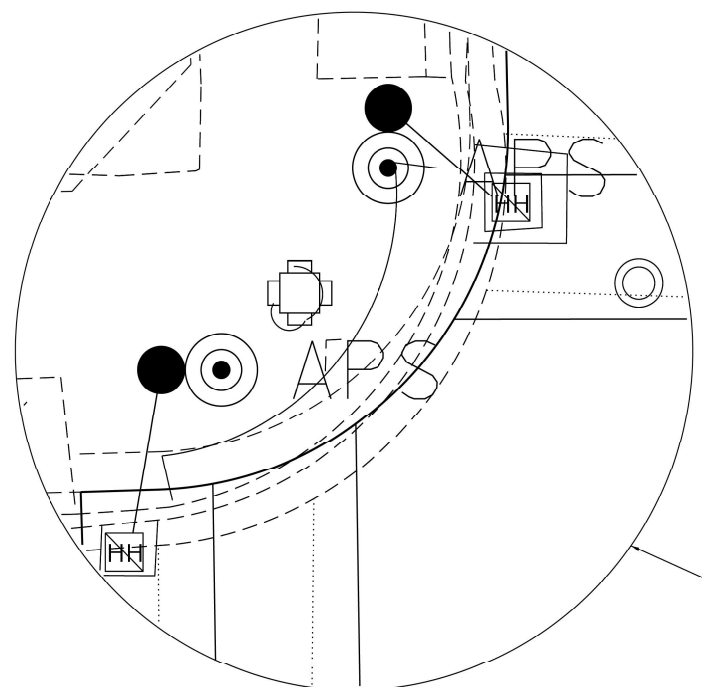
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT JACKSON STREET

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	37

CONTRACT NO. 62R94
ILLINOIS FED. AID PROJECT

TS 21802
ECON 122

SCALE: SHEET OF SHEETS STA. TO STA.



DRILL EXISTING HANDHOLE (1)
10' - 2" CONDUIT
5' POST
REMOVE EXISTING PUSHBUTTON (1)
5' POST
10' - 2" CONDUIT
DRILL EXISTING HANDHOLE (1)

REMOVE EXISTING PUSHBUTTON (1)
REMOVE EXISTING PUSHBUTTON (1)

DRILL EXISTING HANDHOLE (1)
5' - 2" CONDUIT
5' POST
DRILL EXISTING HANDHOLE (1)
REMOVE EXISTING PUSHBUTTON (1)
10' - 2" CONDUIT
5' POST

DRILL EXISTING HANDHOLE (2)
15' - 2" CONDUIT
REMOVE EXISTING PUSHBUTTON (1)
5' POST
30' - 2" CONDUIT
5' POST

USER: wloton
 MODEL: D:\milit
 FILE NAME: P:\134-001-DUZ-IDOT-Traffic-Design-PMD\Design\Work-Order-21CADD\CADD_Sheets\62R94\21C-15-156\JeffersonStSignalPlan.dgn



PLOT DRIVER = SPLTRVSS
 PEN TABLE = SPENBLSS
 PLOT SCALE = 40.0000' / 1"
 PLOT DATE = 12/14/2023 5:20:03 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

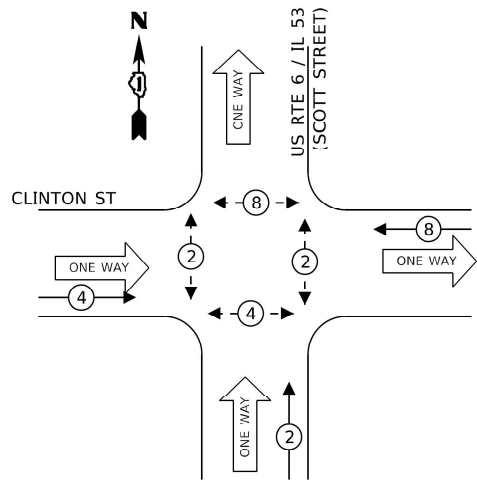
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
 US ROUTE 6 AT JEFFERSON STREET
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	38
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

TS 22531
 ECON 121

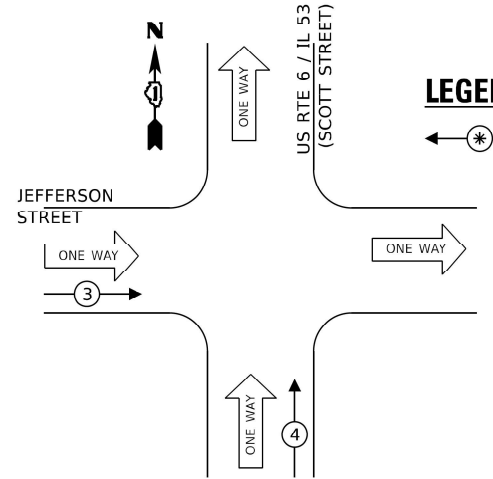
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

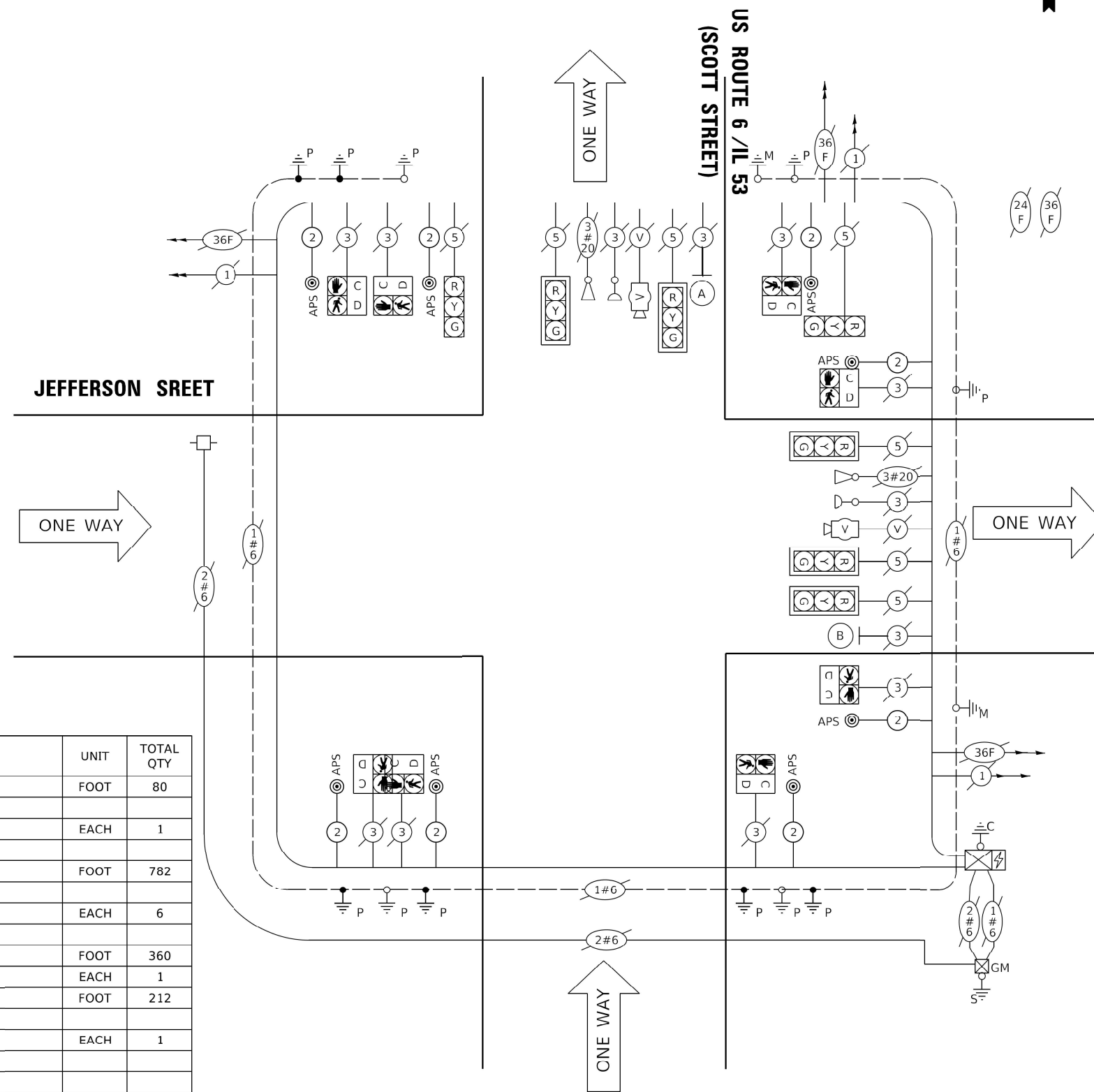


LEGEND:

- ← ⊙ ← PROTECTED PHASE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	782
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	360
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	212
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



CABLE PLAN
(NOT TO SCALE)

TS 22531
ECON 121

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	11	50	33
(YELLOW)	6	20	5	6
(GREEN)	6	12	45	32.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160
CONTROLLER	-	100	100	100
UPS	-	25	100	-
VIDEO SYSTEM	1	115	100	115
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	285	50	-
TOTAL =				4446.4

ENERGY COSTS TO:
MUNICIPALITY
 STREET _____
 CITY, IL ZIPCODE _____
 ENERGY SUPPLY: CONTACT: NAME _____
 PHONE: TELEPHONE _____
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



PLOT DRIVER = \$PLTDVRS\$
 PEN TABLE = SPENBLS\$
 PLOT SCALE = 38.0960" / ft.
 PLOT DATE = 12/14/2023 5:20:22 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

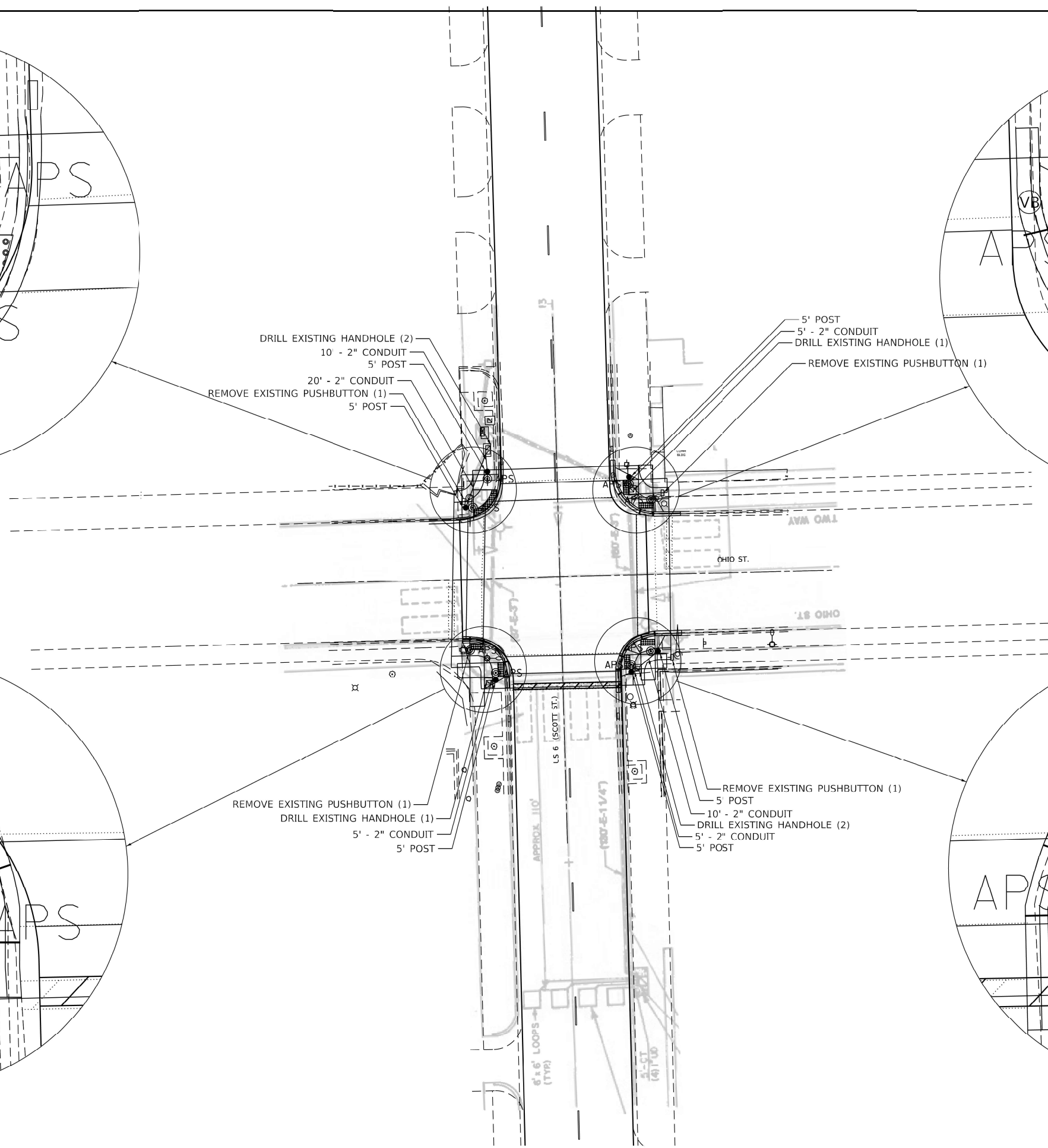
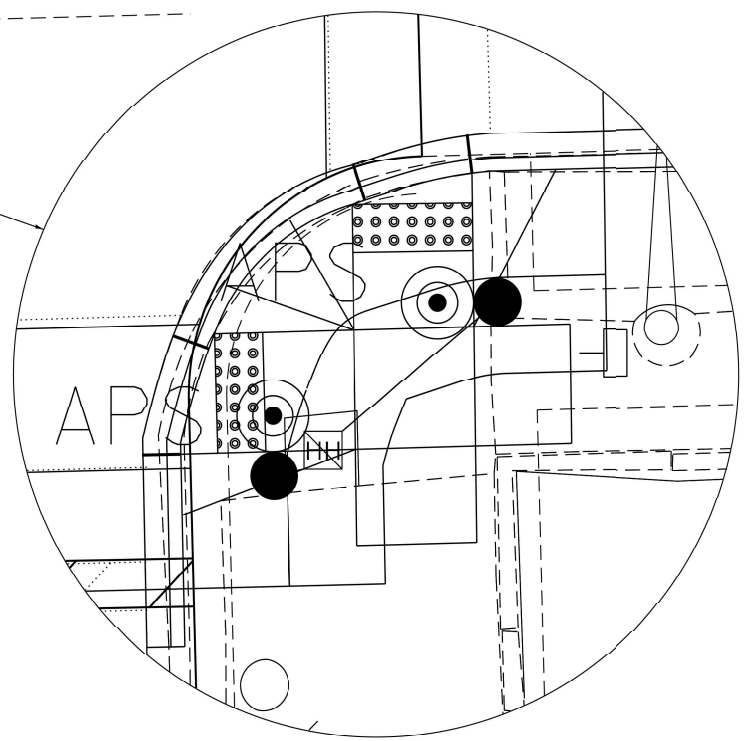
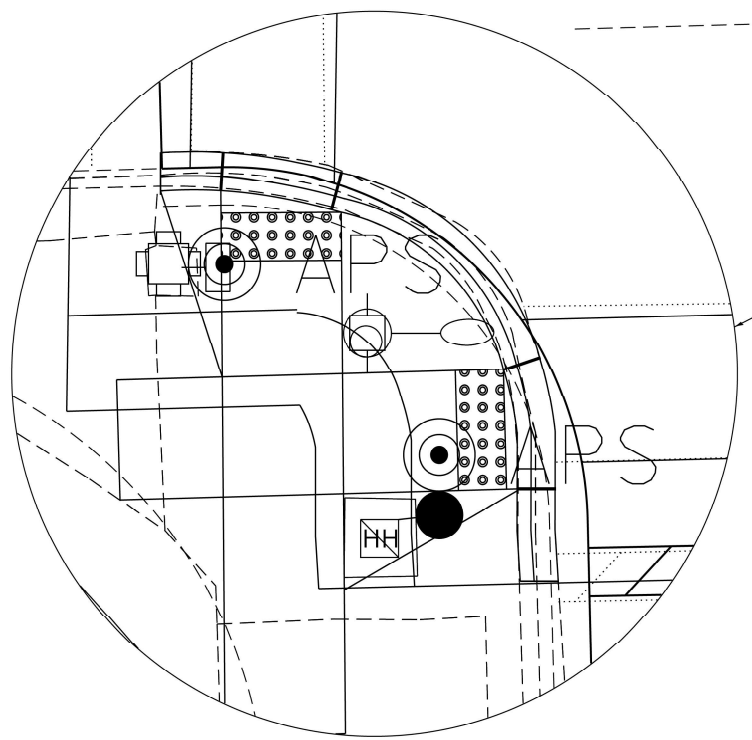
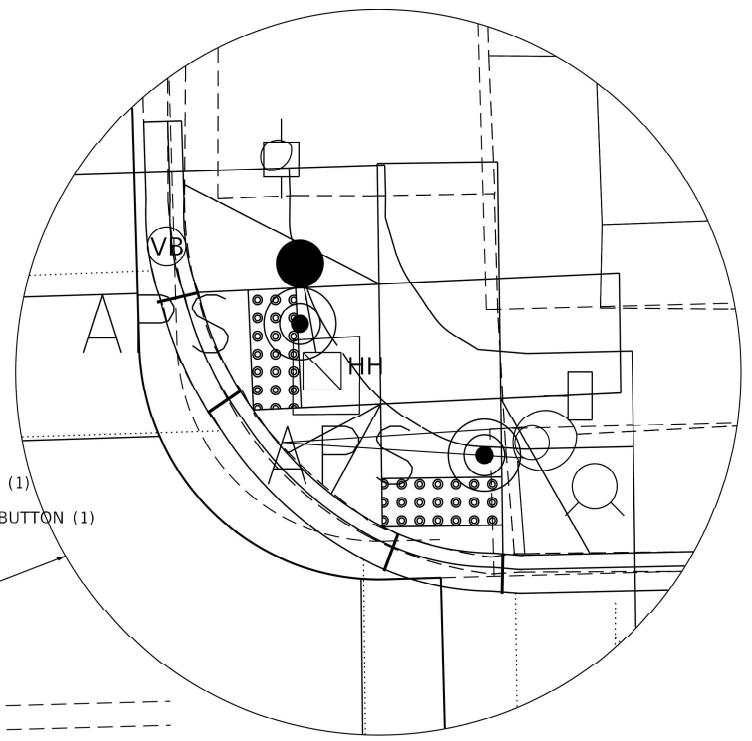
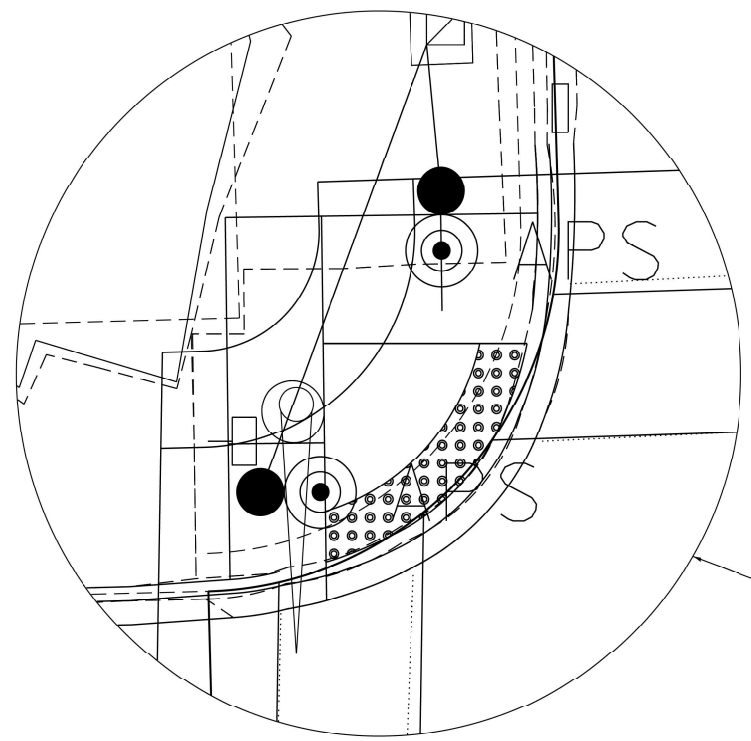
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT JEFFERSON STREET

SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	39

CONTRACT NO. 62R94
 ILLINOIS FED. AID PROJECT

USER: wblaton
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 FILE NAME: P134_001_DUZ_IDOT_Traffic_Design_Plan\Drawings\Work_Orders\210220\000_Sheets\62R94\TS-15\JEffersonSt-cableplan.dwg



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US ROUTE 6 AT OHIO STREET

TS 21800
ECON 122

USER: wloton
MODEL: D:\dtd\134-001-DLZ-IDOT-Traffic-Design-PM\Drawings\Work-Order-21CADD\CADD_Sheets\62R94\21C-15-1560\h55-signplan.dgn
FILE NAME: PLOT_134-001-DLZ-IDOT-Traffic-Design-PM\Drawings\Work-Order-21CADD\CADD_Sheets\62R94\21C-15-1560\h55-signplan.dgn



PLOT DRIVER = SPLTRVSS	DESIGNED - WBL	REVISED -
PEN TABLE = SPENBLS5	DRAWN - MMC	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - B	REVISED -
PLOT DATE = 12/14/2023 5:21:38 PM	DATE -	REVISED -

DESIGNED - WBL	REVISED -
DRAWN - MMC	REVISED -
CHECKED - B	REVISED -
DATE -	REVISED -

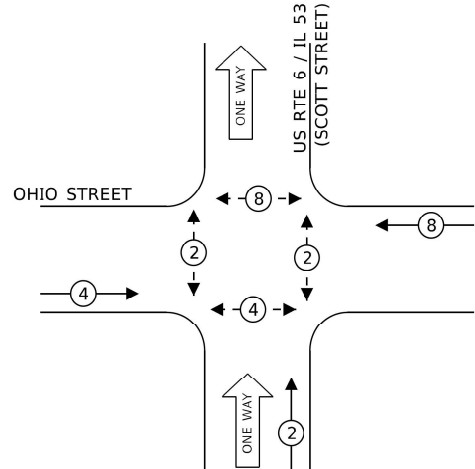
REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

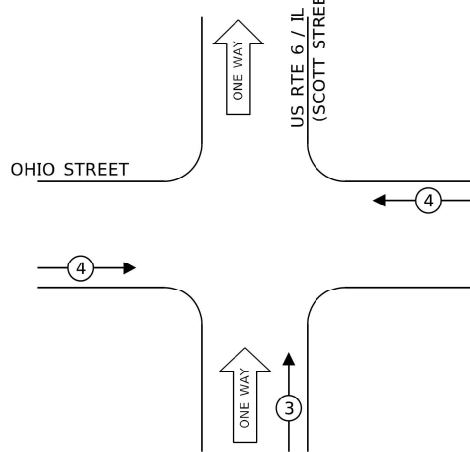
E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	40
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62R94

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



EXISTING PHASE DESIGNATION DIAGRAM

LEGEND:

- ← ⊛ ← PROTECTED PHASE
- ← ⊛ - PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

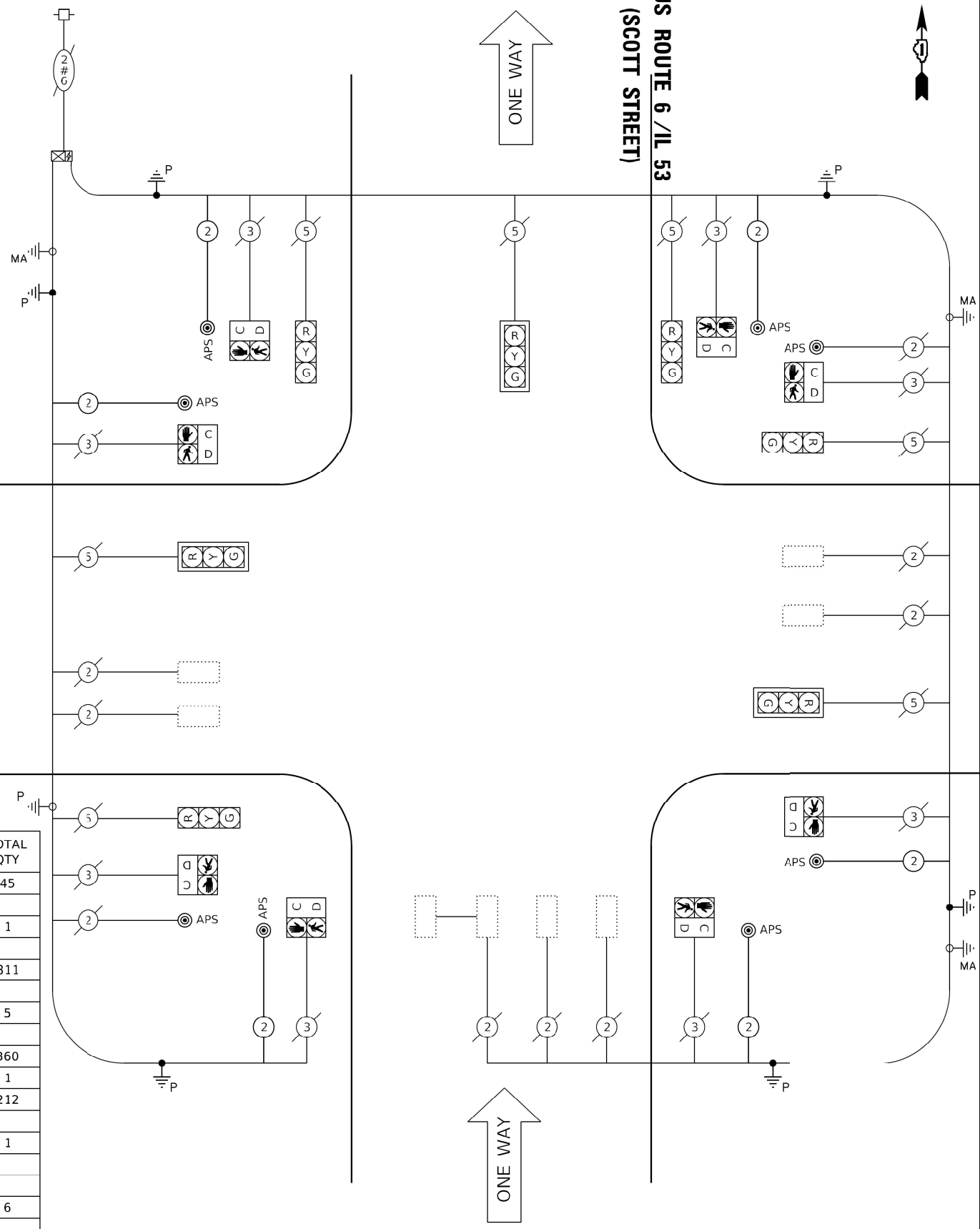
NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2000 IN TYPE IV CABINET.

OHIO STREET

**US ROUTE 6 / IL 53
(SCOTT STREET)**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	45
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	811
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	360
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	212
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



CABLE PLAN
(NOT TO SCALE)

USER: wldtton
 MODEL: D:\proj\134-001-DUZ-IDOT-Traffic-Design-PMO\Drawings\Work-Order-2102\CD\CD\Sheet\62R94.dwg
 FILE NAME: PLOT_134-001-DUZ-IDOT-Traffic-Design-PMO\Drawings\Work-Order-2102\CD\CD\Sheet\62R94.dwg

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	7	11	50	38.5
(YELLOW)	7	20	5	7
(GREEN)	7	12	45	37.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL CONTROLLER	8	20	100	160
UPS	-	100	100	100
VIDEO SYSTEM	-	25	100	-
BLANK-OUT SIGN	-	115	100	-
FLASHER	-	25	5	-
STREET NAME SIGN LUMINAIRE	-	-	50	-
			50	
			TOTAL =	343.3

ENERGY COSTS TO:
MUNICIPALITY
 STREET _____
 CITY, IL ZIPCODE _____
 ENERGY SUPPLY: CONTACT: NAME _____
 PHONE: TELEPHONE _____
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

PLOT DRIVER = \$PLTDVRS\$
 PEN TABLE = \$PENBLSS\$
 PLOT SCALE = 38.0952" / ft.
 PLOT DATE = 12/14/2023 5:21:53 PM

DESIGNED - WBL	REVISED -
DRAWN - MMC	REVISED -
CHECKED - B	REVISED -
DATE -	REVISED -

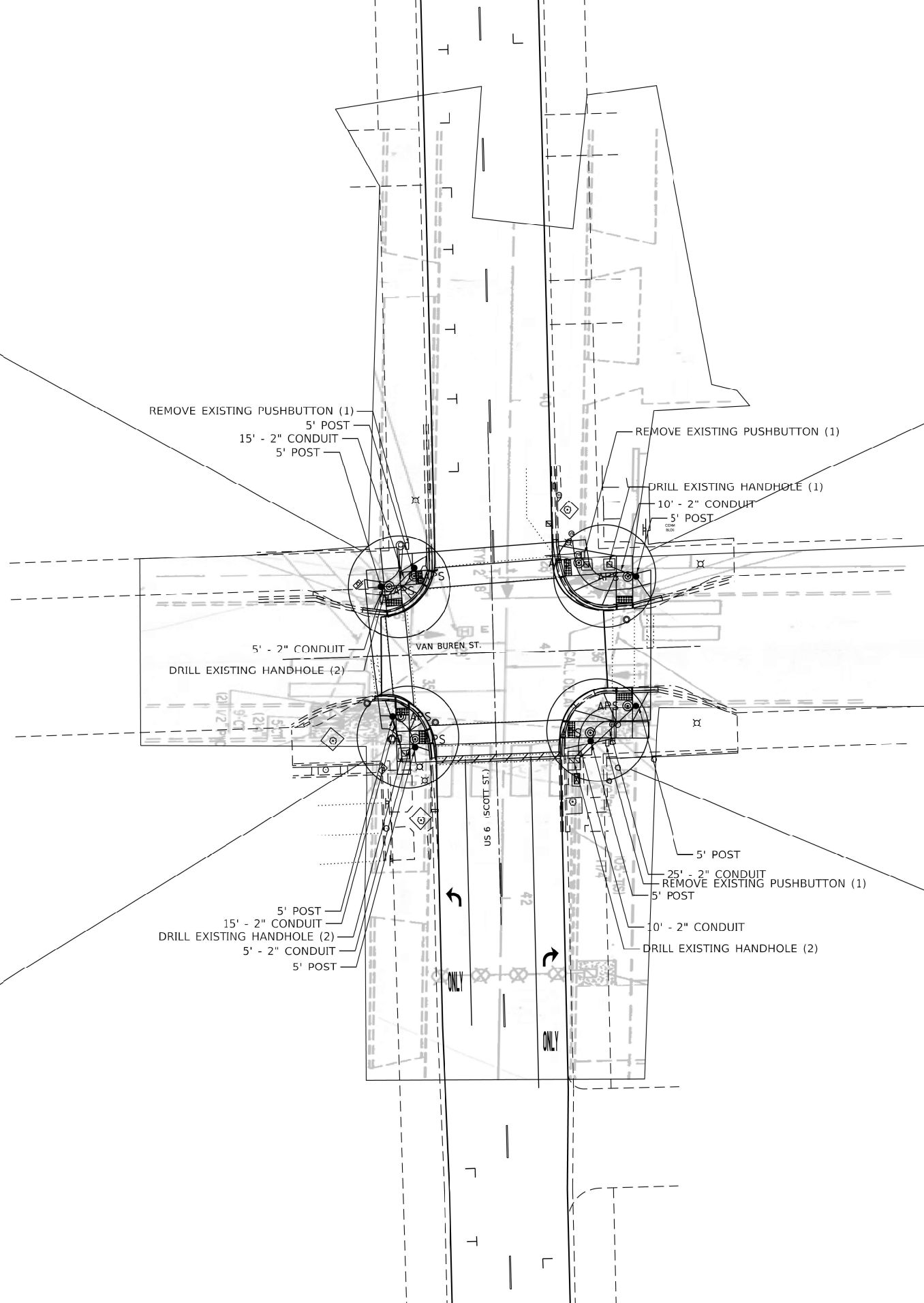
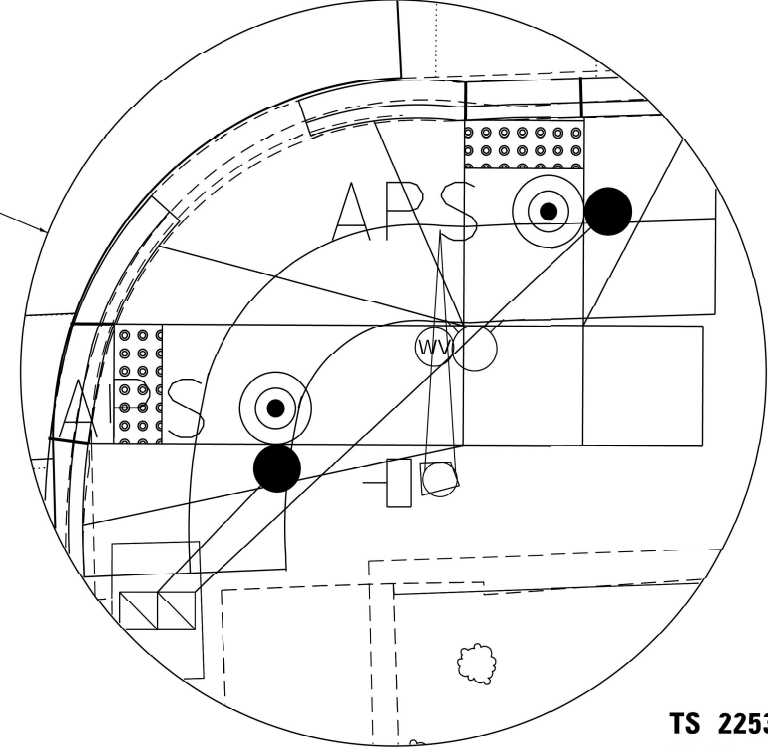
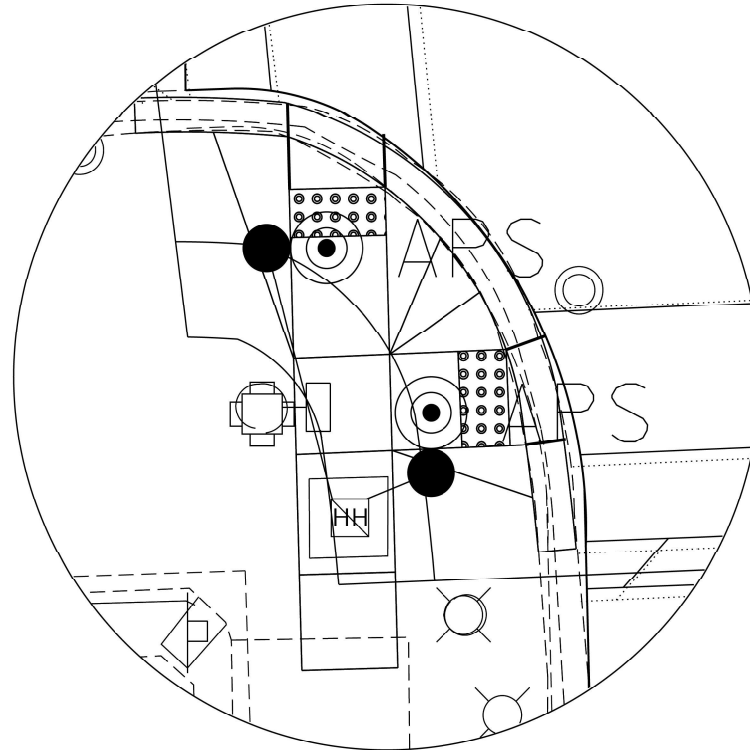
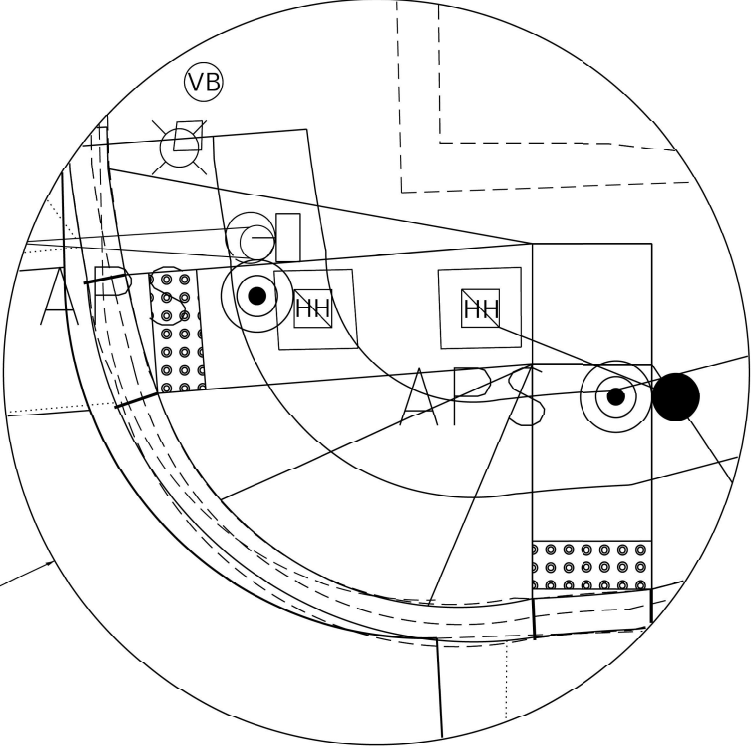
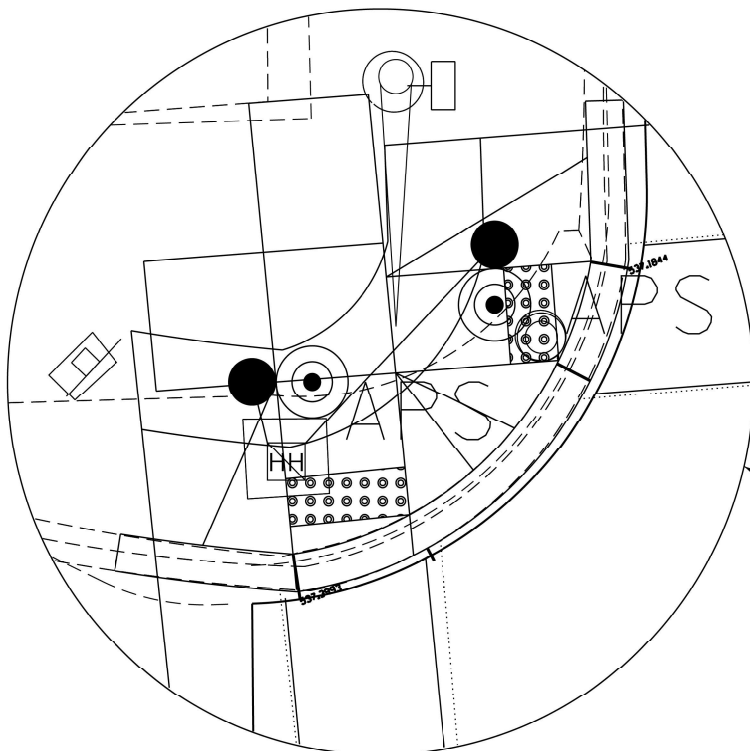
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT OHIO STREET

SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	41

CONTRACT NO. 62R94
 ILLINOIS FED. AID PROJECT



USER: wloton
MODEL: Detail
FILE NAME: P:\134-001-DLZ-IDOT-Traffic-Design-PMD\Design\Work-Order-21CADD\CADD_Sheets\62R94\21C-15-156\VanBurenSt\SignalPlan.dgn



PLOT DRIVER = \$PLTDRVSS
PEN TABLE = \$PENTBLSS
PLOT SCALE = 40.0000' / 1"
PLOT DATE = 12/14/2023 5:23:07 PM

DESIGNED - WBL
DRAWN - MMC
CHECKED - B
DATE -

REVISED -
REVISED -
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REVISED -

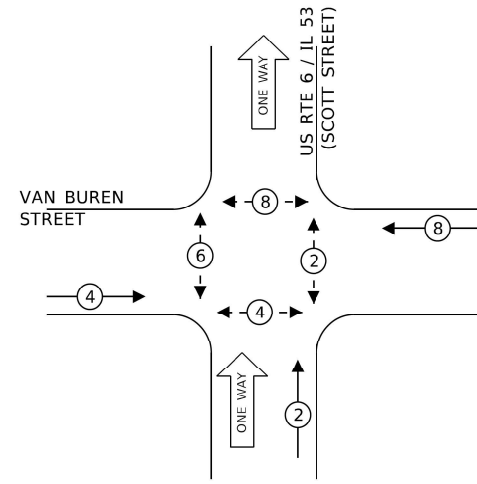
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US ROUTE 6 AT VAN BUREN STREET
SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	42
CONTRACT NO. 62R94				
ILLINOIS FED. AID PROJECT				

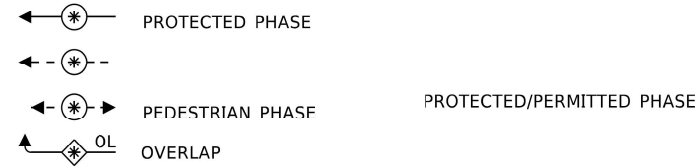
TS 22538
ECON 121

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

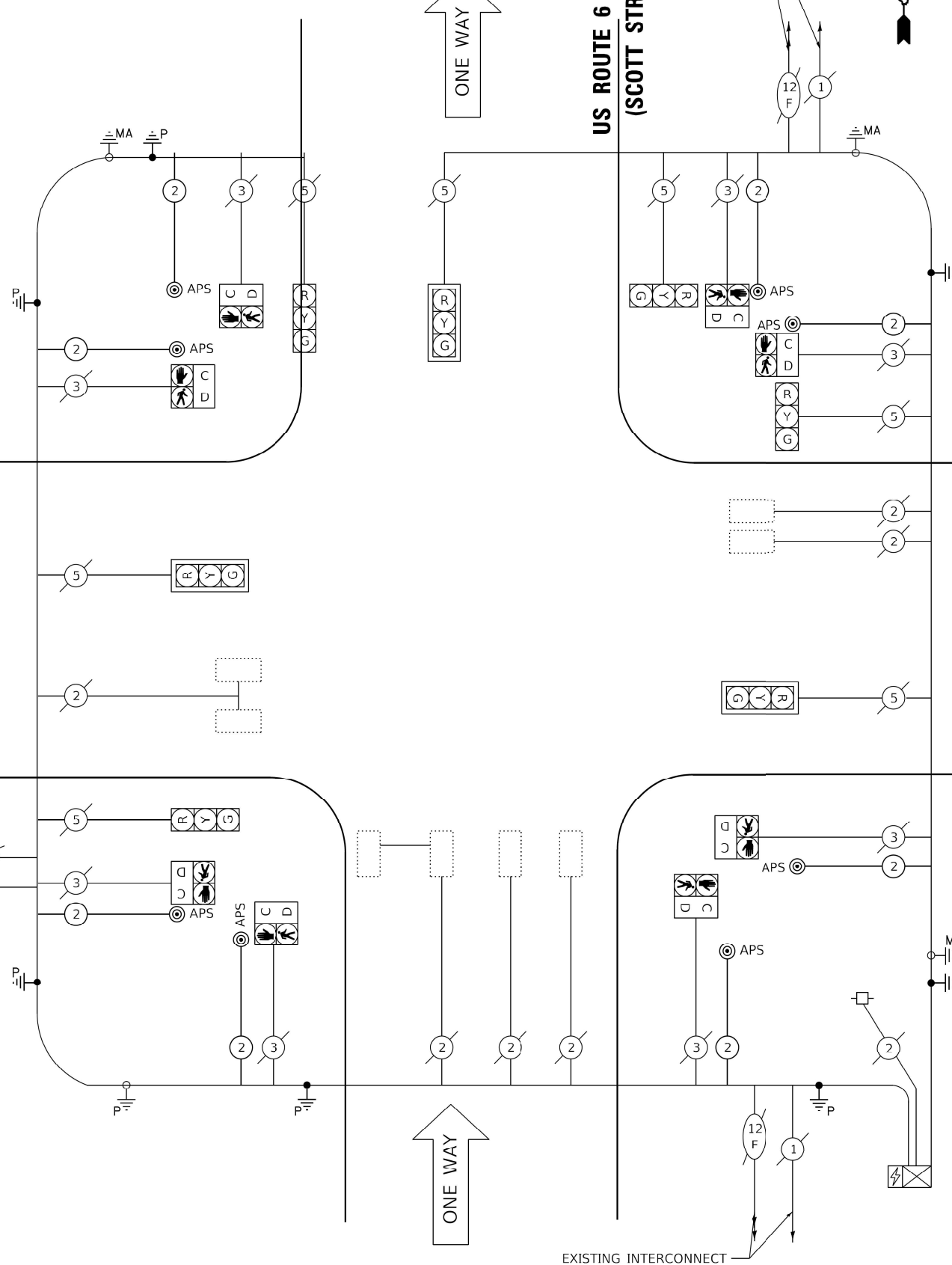
LEGEND:



VAN BUREN STREET

EXISTING INTERCONNECT TO CLINTON STREET

US ROUTE 6 / IL 53 (SCOTT STREET)



SCHEDULE OF QUANTITIES

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS					ITEM DESCRIPTION	UNIT	TOTAL QTY
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80
SIGNAL (RED)	15	11	50	82.5	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
(YELLOW)	15	20	5	15	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	790
(GREEN)	15	12	45	81	DRILL EXISTING HANDHOLE	EACH	3
PERMISSIVE ARROW	40	10	10	40	DETECTOR LOOP, TYPE I	FOOT	1
PED. SIGNAL	8	20	100	160	MODIFY EXISTING CONTROLLER CABINET	EACH	1
CONTROLLER	-	100	100	100	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1
UPS	-	25	100	-	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
VIDEO SYSTEM	-	115	100	-	PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	7
BLANK-OUT SIGN	-	25	5	-	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
FLASHER	-	-	50	-	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
STREET NAME SIGN	-	120	50	-	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
LUMINAIRE	-	285	50	-			
TOTAL =				468.5			

ENERGY COSTS TO:
MUNICIPALITY
 STREET _____
 CITY, IL ZIPCODE _____
 ENERGY SUPPLY: CONTACT: NAME _____
 PHONE: TELEPHONE _____
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
US ROUTE 6 AT VAN BUREN STREET

SCALE: SHEET OF SHEETS STA. TO STA.

E.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	43

CONTRACT NO. 62R94
 ILLINOIS FED. AID PROJECT

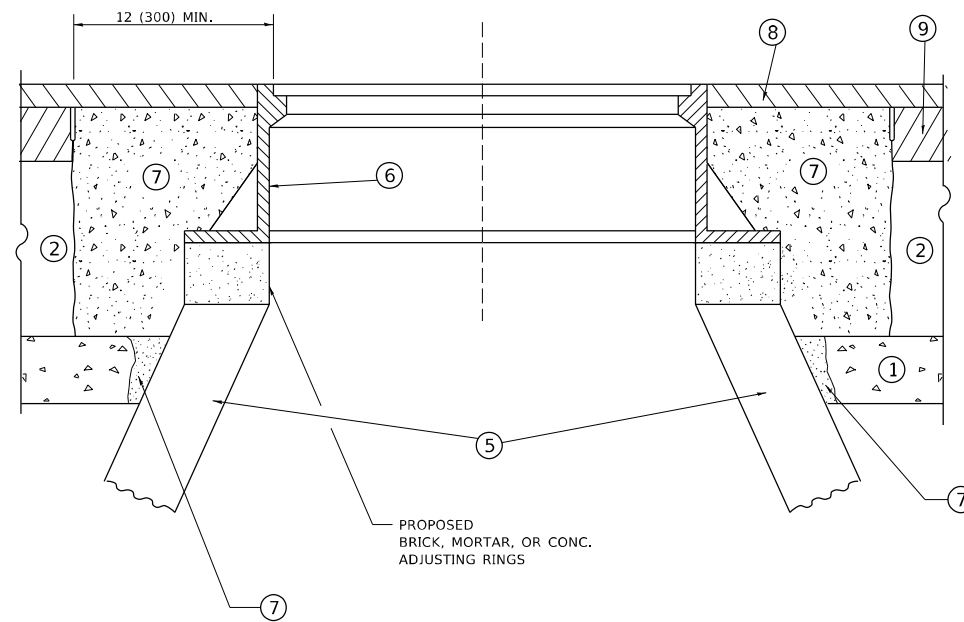
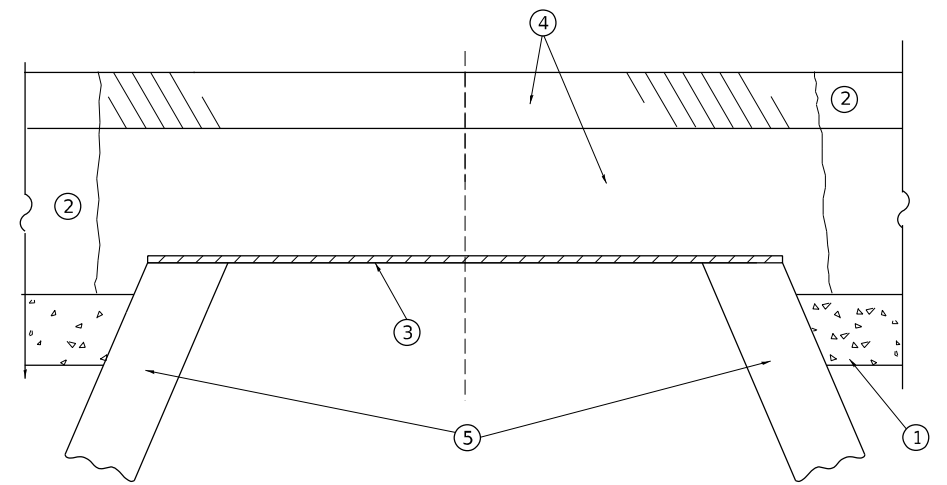
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 PEN TABLE = \$PENTBLS\$
 PLOT SCALE = 38.0952" / ft.
 PLOT DATE = 12/14/2023 5:23:24 PM

DESIGNED - WBL
 DRAWN - MMC
 CHECKED - B
 DATE -

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

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

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	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 12/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

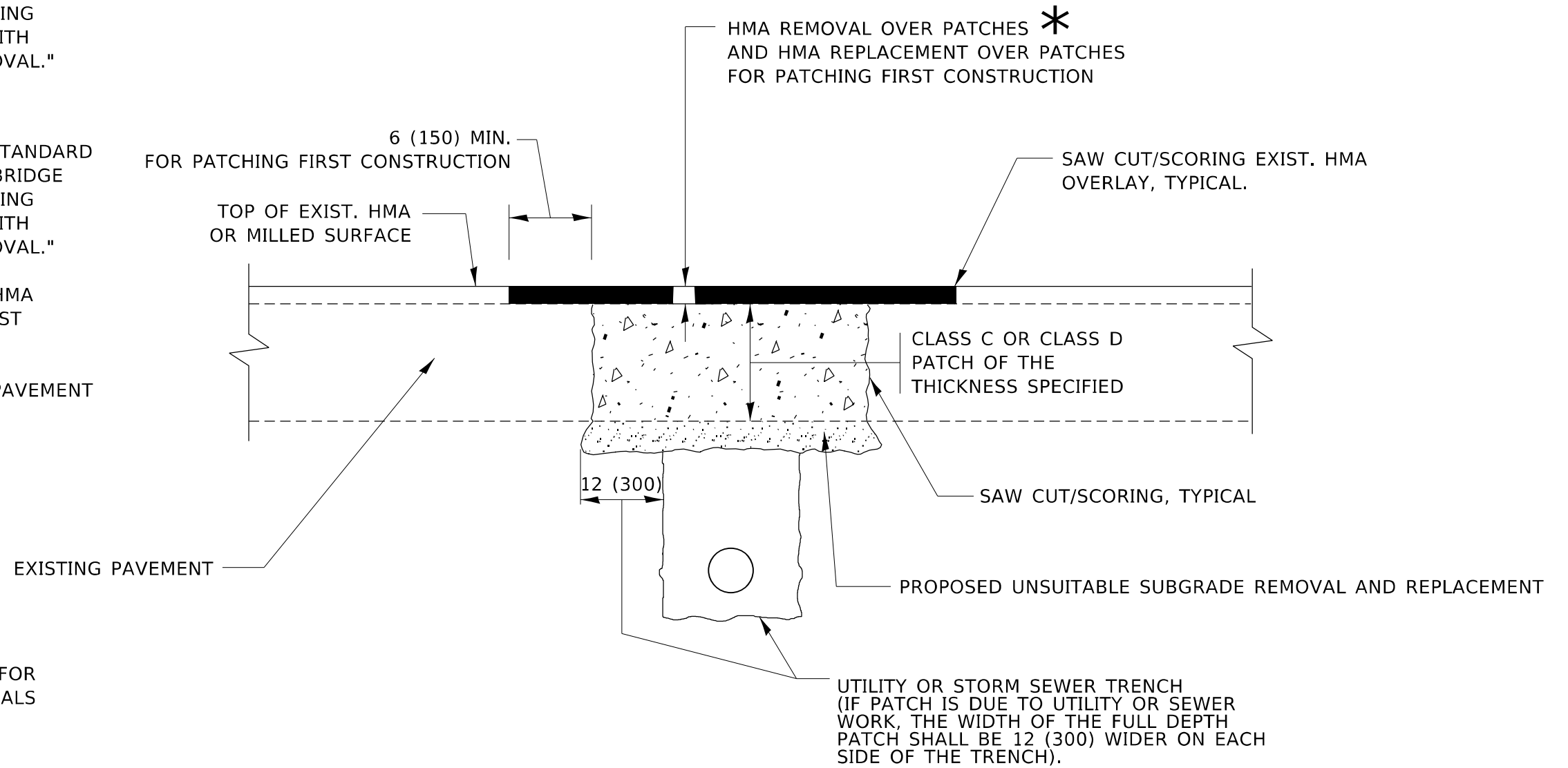
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112	FAP 0112 22 RS	WILL	56	44
BD600-03 (BD-08)			CONTRACT NO. 62R94	
ILLINOIS		FED. AID PROJECT		

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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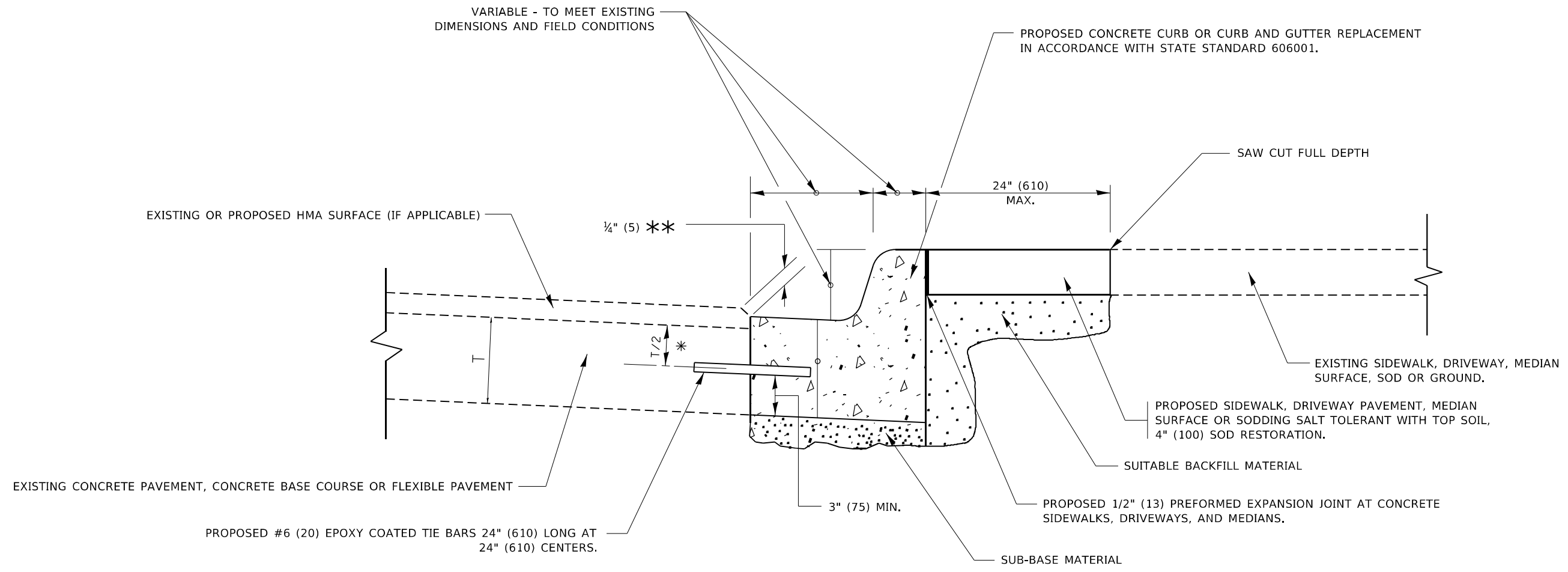
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PLOT DATE = 12/15/2023	DATE - 10-25-94	REVISED - K. ENG 10-27-08
		REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	45
BD400-04 (BD-22)			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

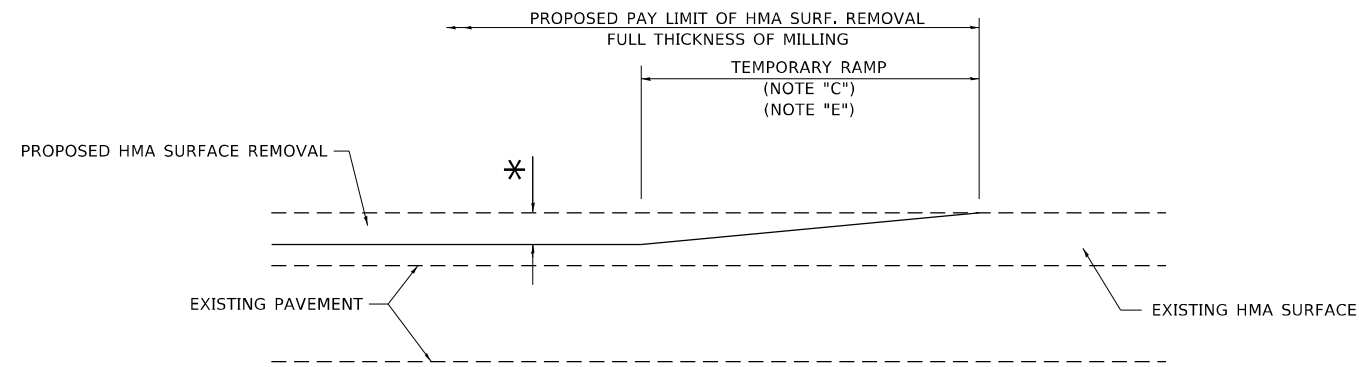
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

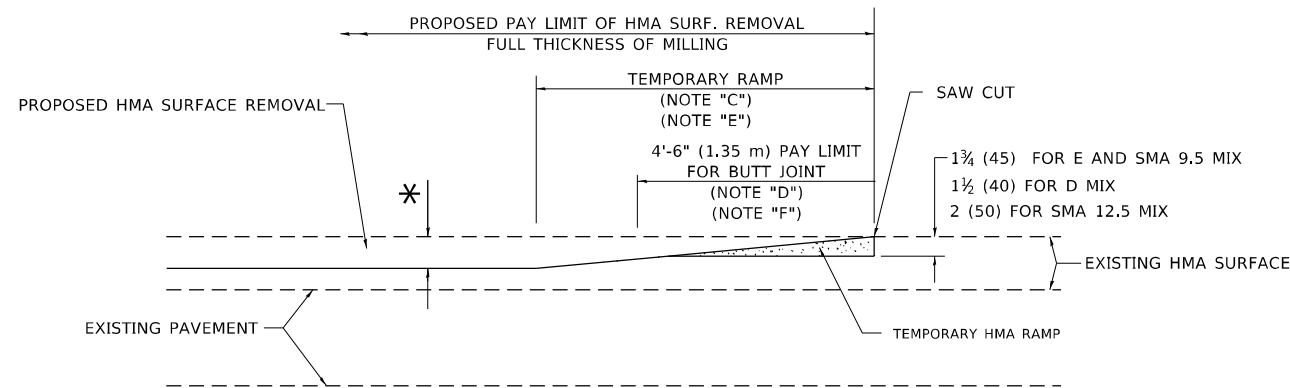
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	46
BD600-06 (BD-24)			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

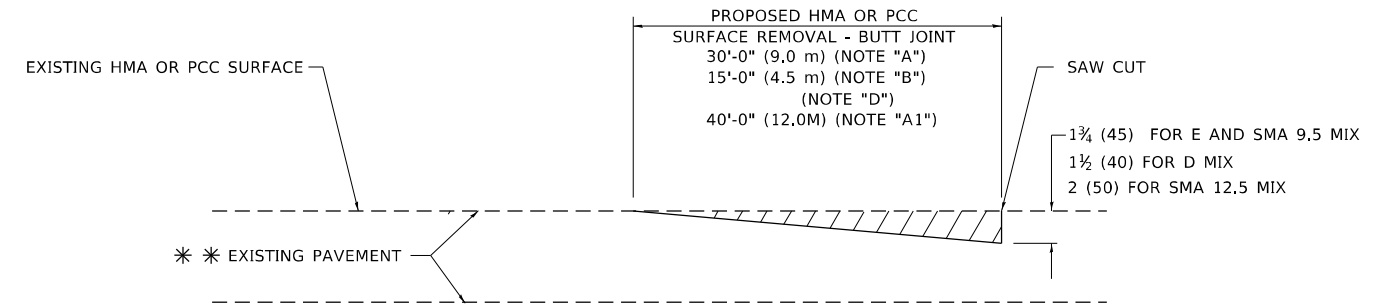
OPTION 1



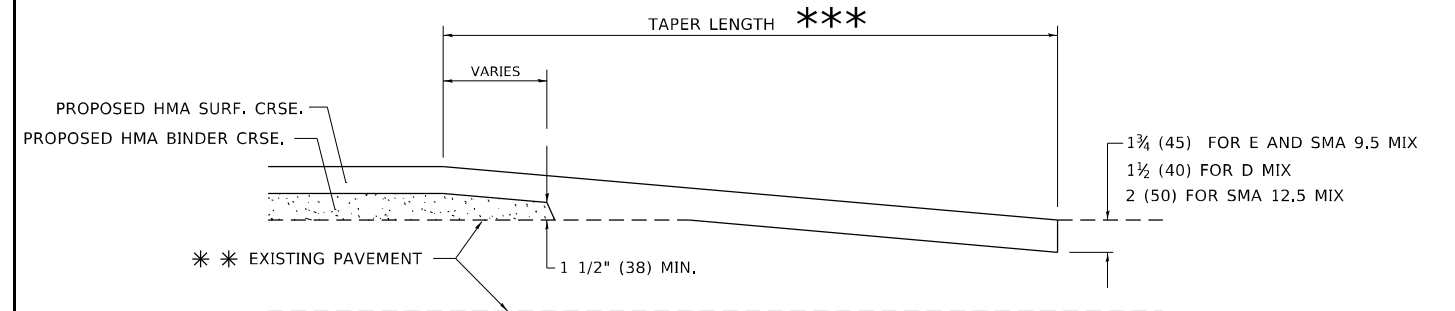
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

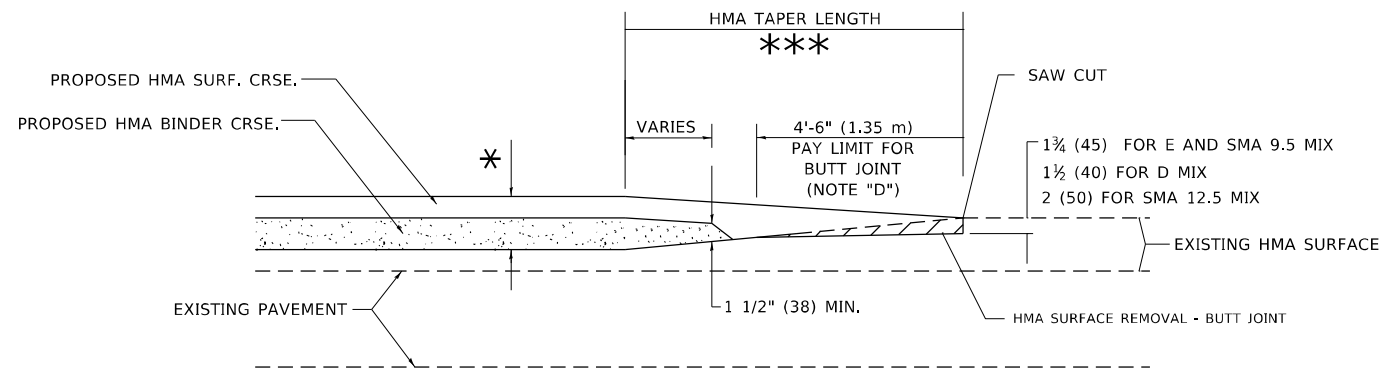
GENERAL NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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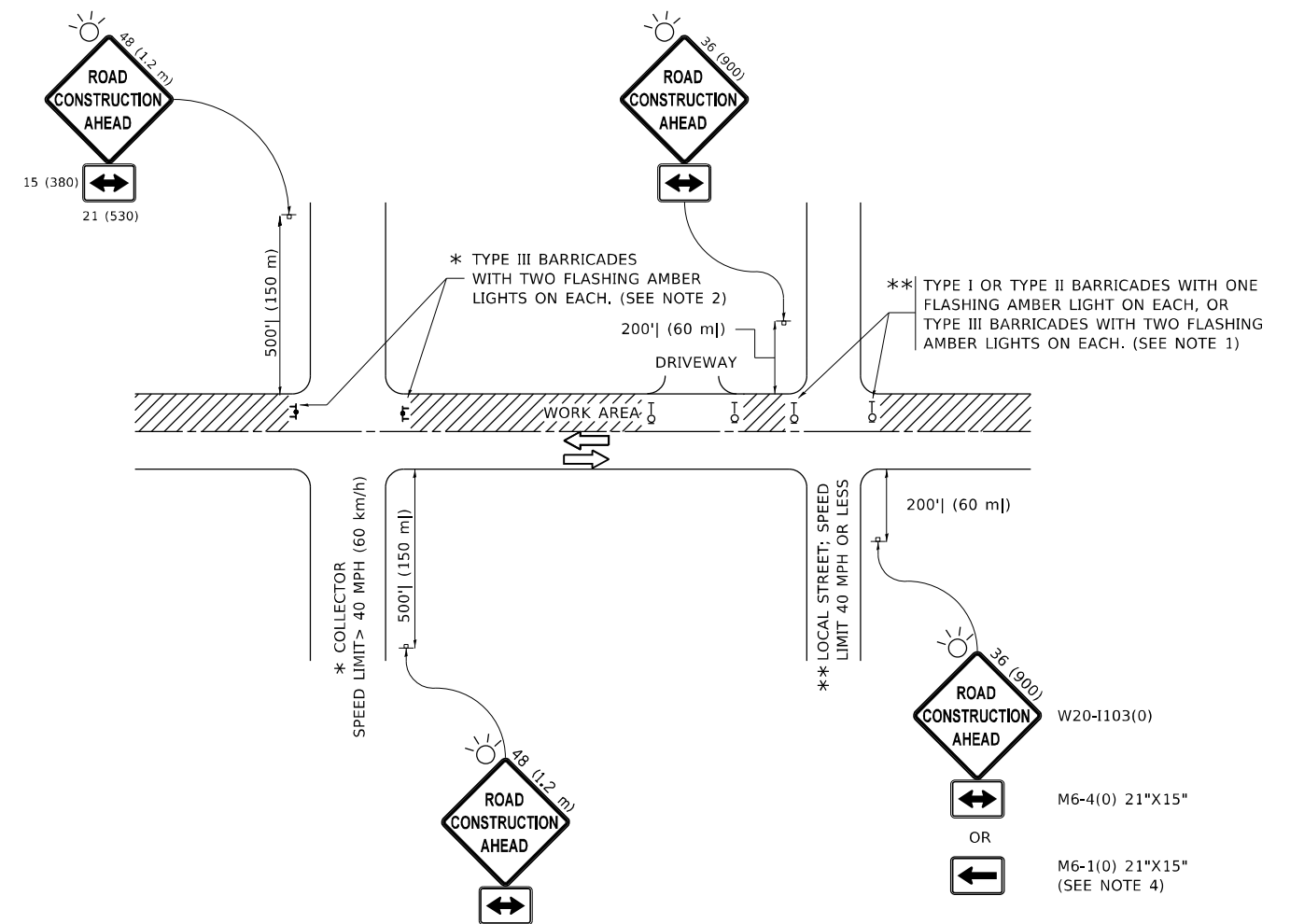
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PLOT DATE = 12/15/2023	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	47
BD400-05 BD-32			CONTRACT NO.62R94	
ILLINOIS FED. AID PROJECT				



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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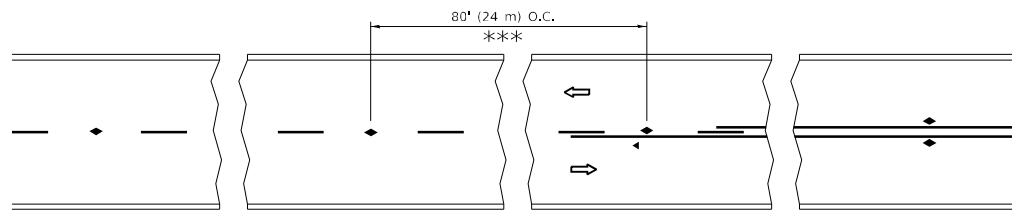
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PLOT DATE = 12/15/2023	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

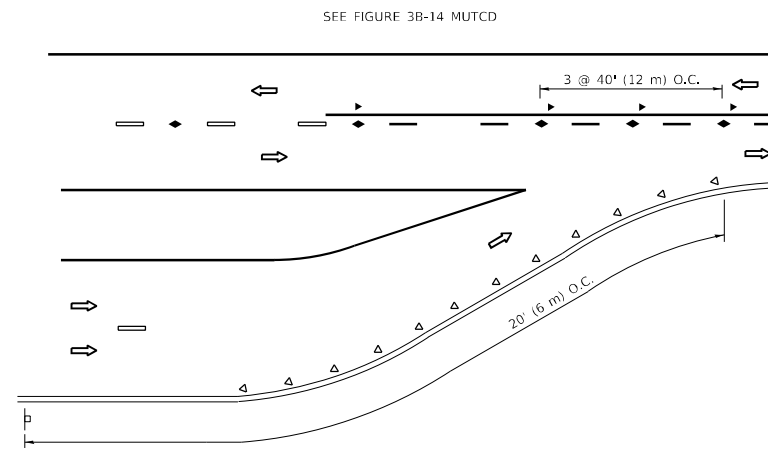
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ILLINOIS FED. AID PROJECT				

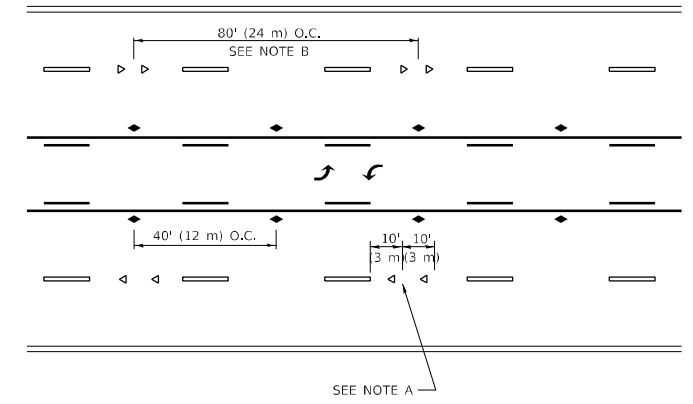


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

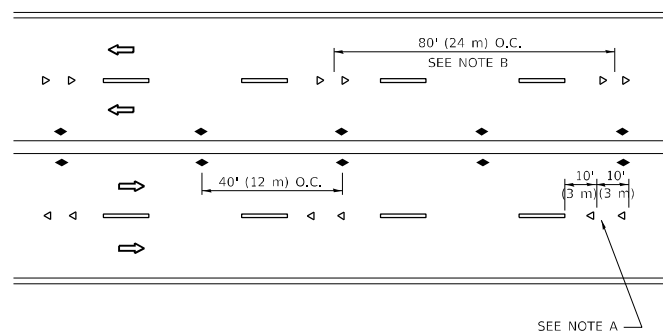
TWO-LANE/TWO-WAY



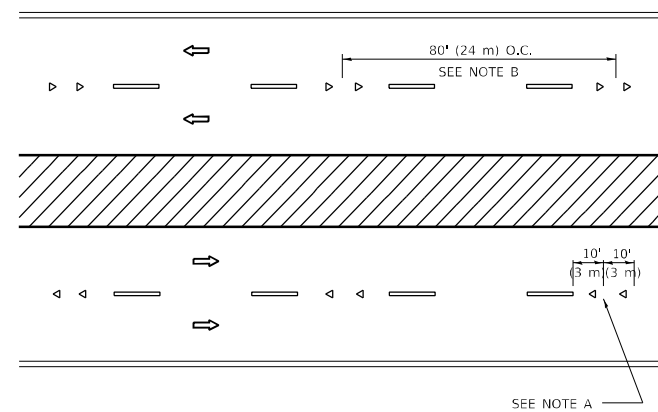
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

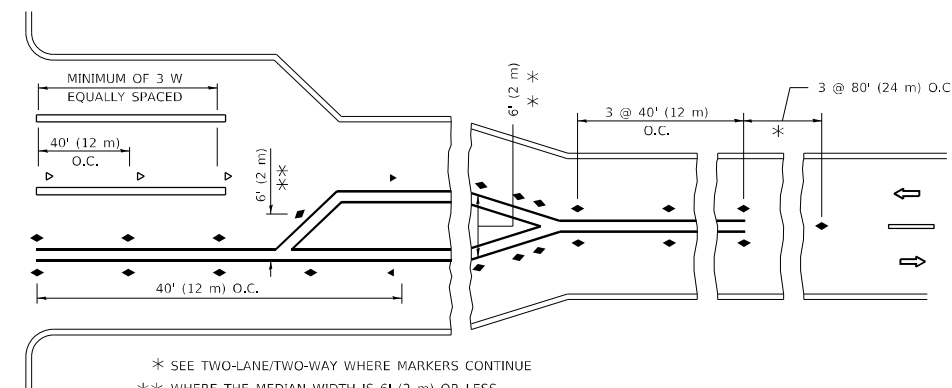
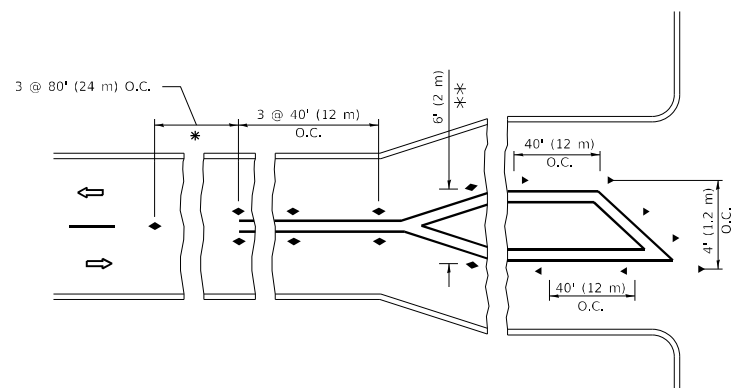
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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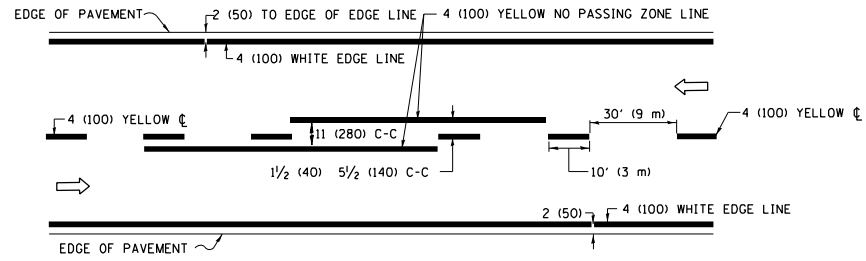
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

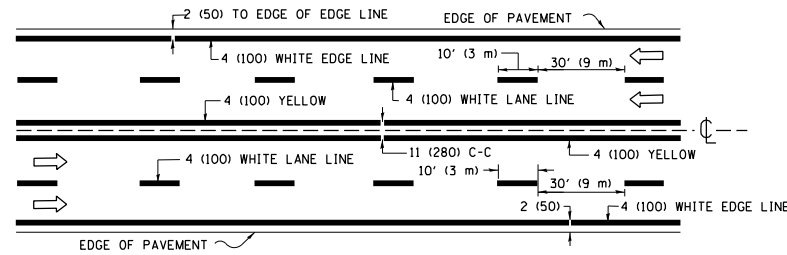
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

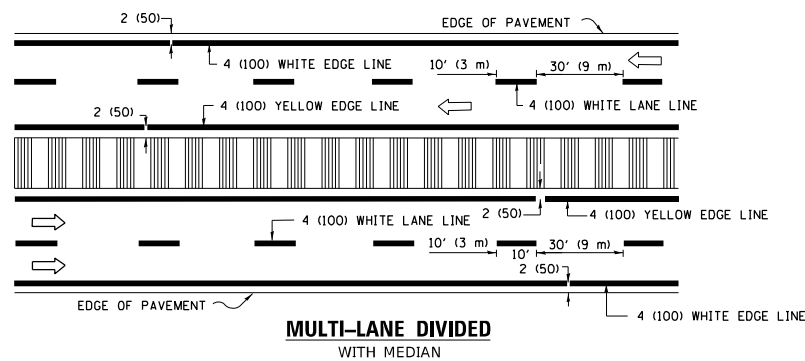
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112	FAP 0112 22 RS	WILL	56	49
TC-11			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

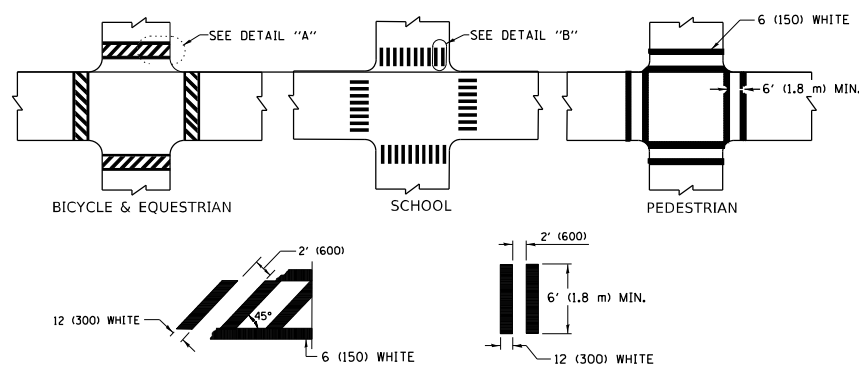


MULTI-LANE UNDIVIDED



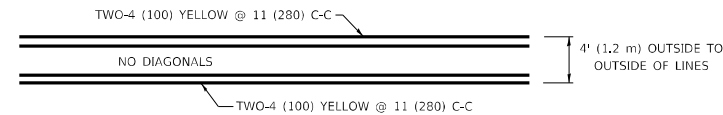
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

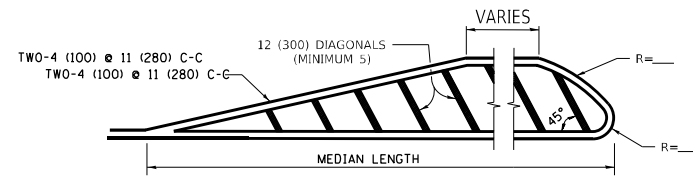


TYPICAL CROSSWALK MARKING

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



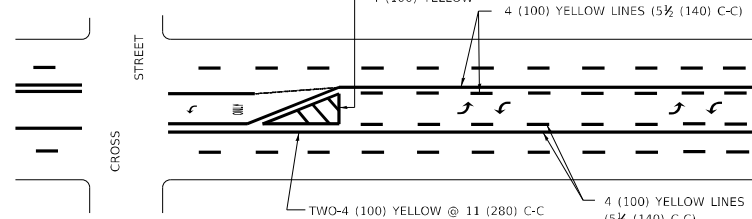
4' (1.2 m) WIDE MEDIANS ONLY



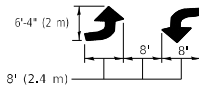
MEDIANS OVER 4' (1.2 m) WIDE

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

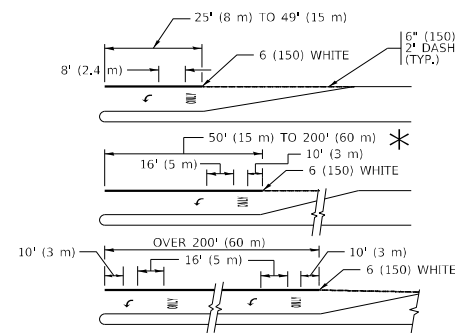


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

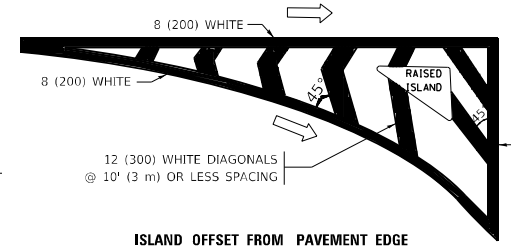


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

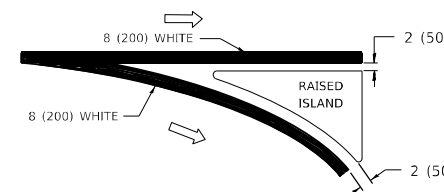
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

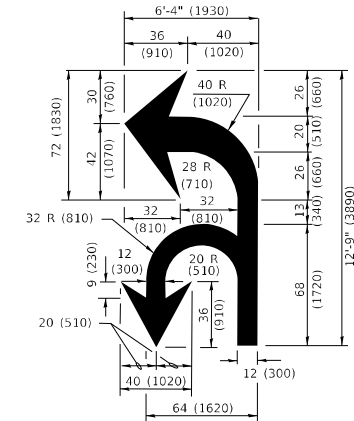


ISLAND OFFSET FROM PAVEMENT EDGE

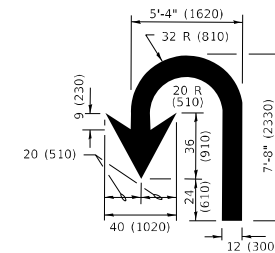


ISLAND AT PAVEMENT EDGE

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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

USER NAME = Sher,Khan	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 12/15/2023	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	50
TC-13			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

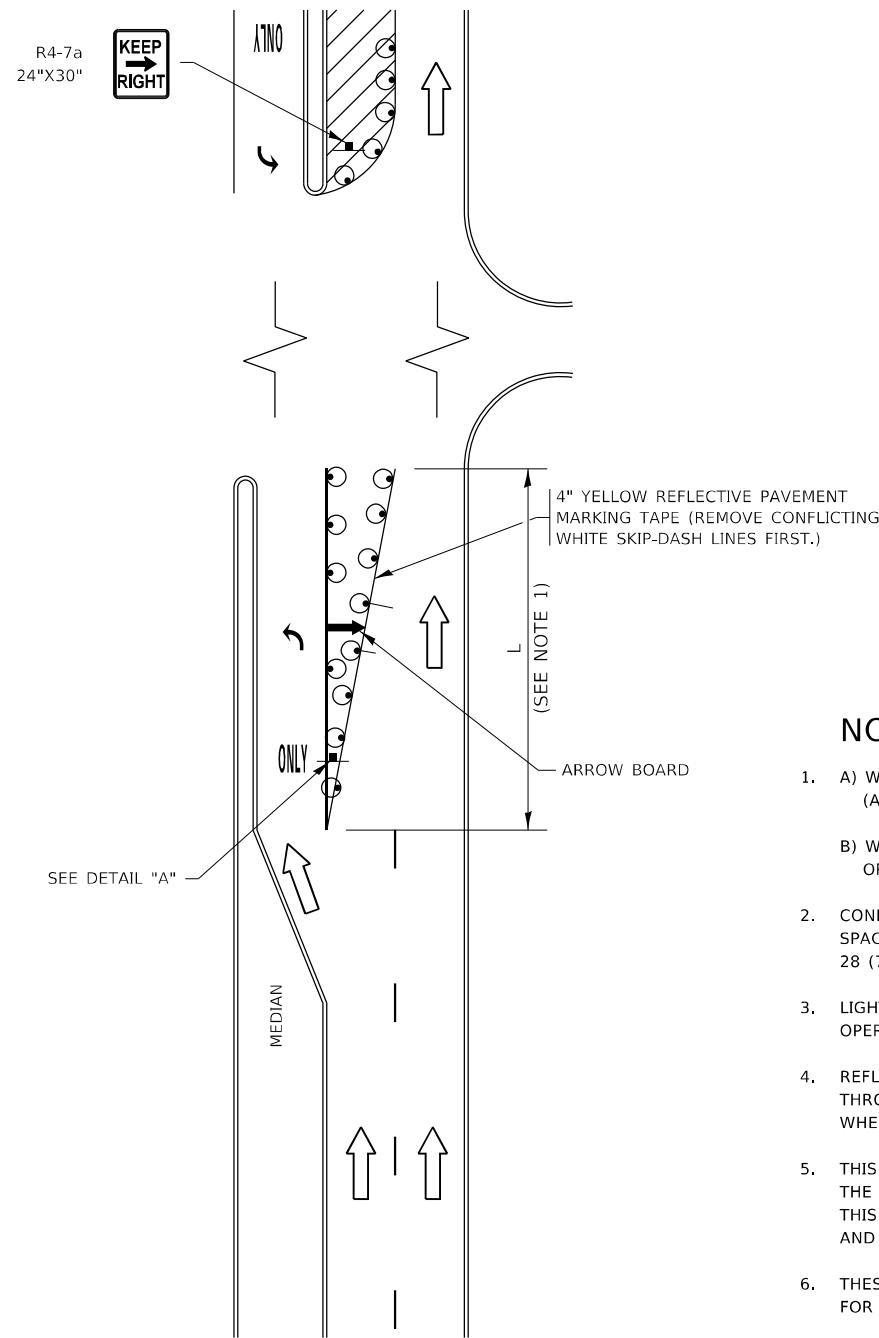


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

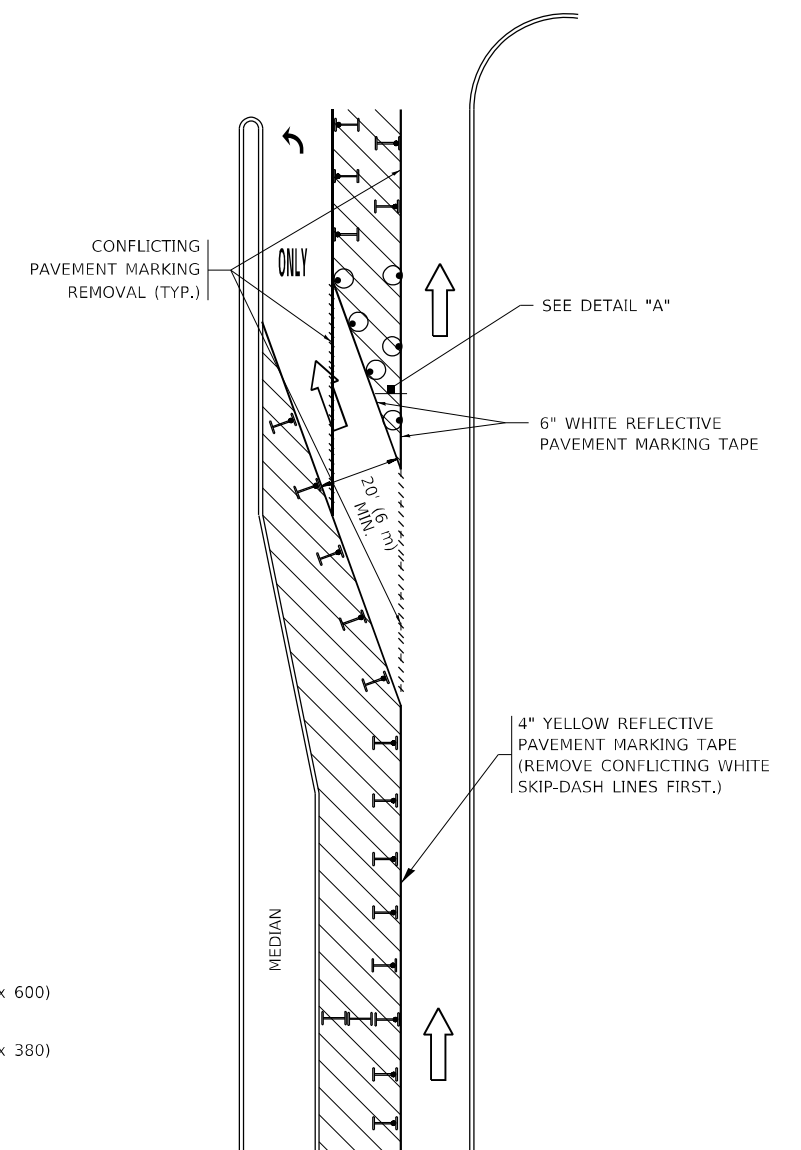
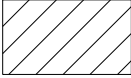








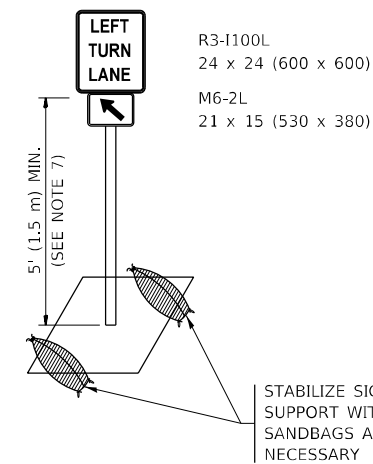
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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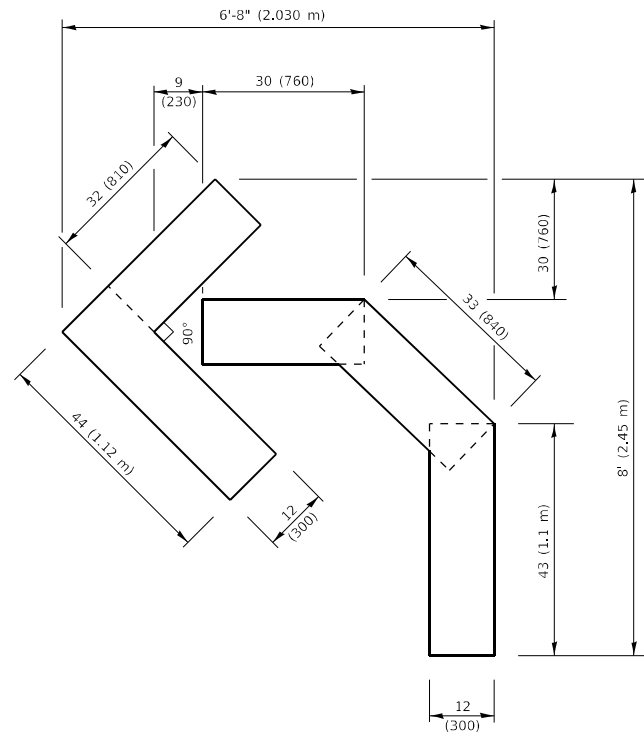
USER NAME = Sher,Khan	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/15/2023	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

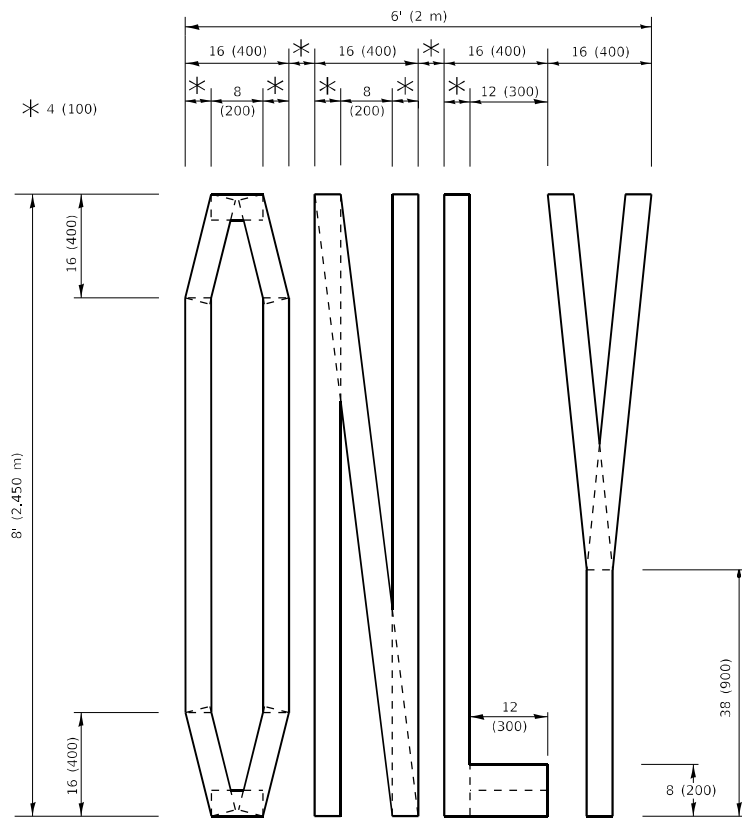
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	51
TC-14		CONTRACT NO. 62R94		
ILLINOIS FED. AID PROJECT				



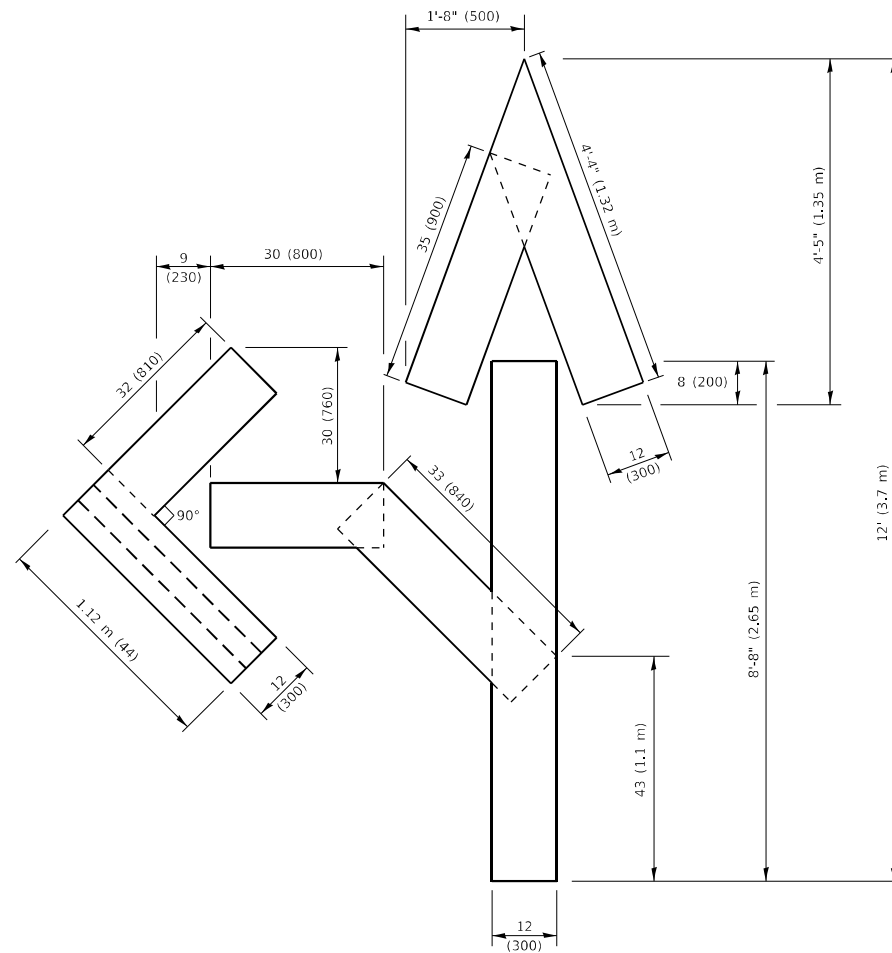
QUANTITY

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



QUANTITY

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

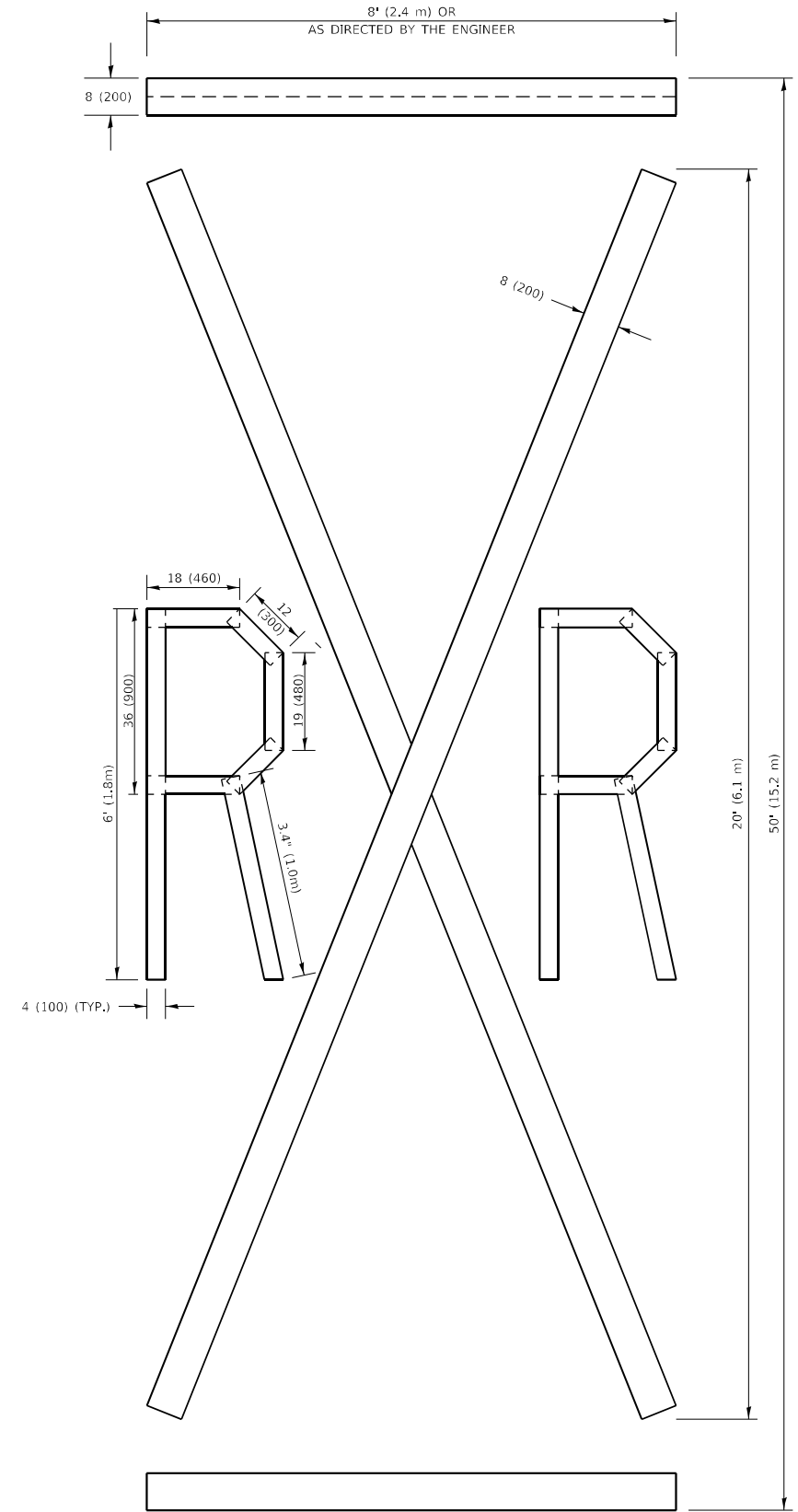


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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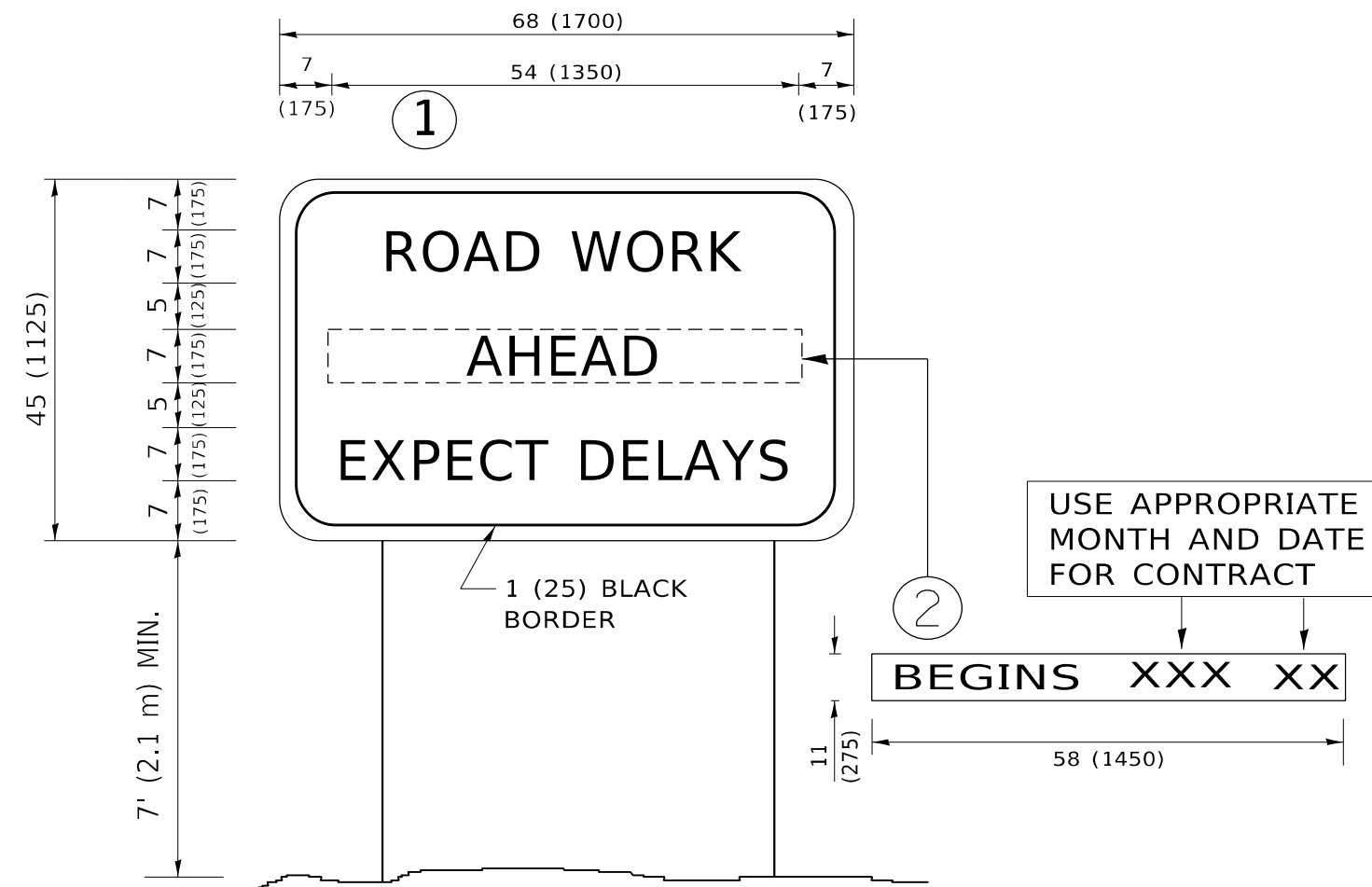
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/15/2023	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	52
TC-16		CONTRACT NO. 62R94		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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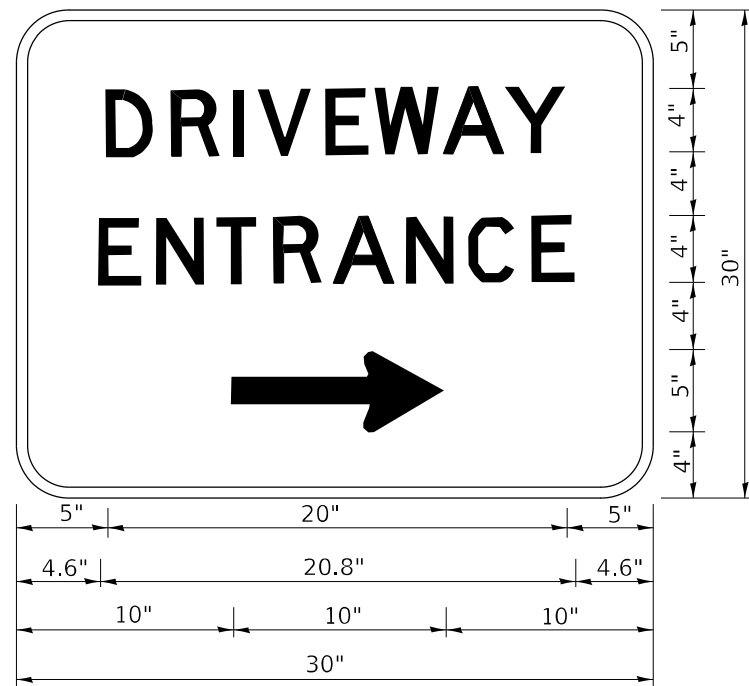
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/15/2023	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	53
TC-22			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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USER NAME = Sher,Khan	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

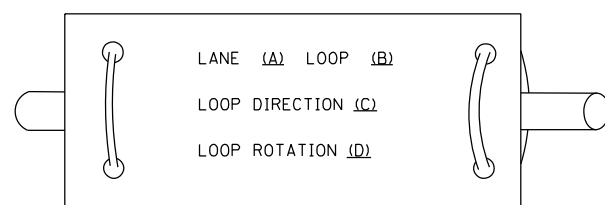
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TC-26			CONTRACT NO. 62R94	
ILLINOIS FED. AID PROJECT				

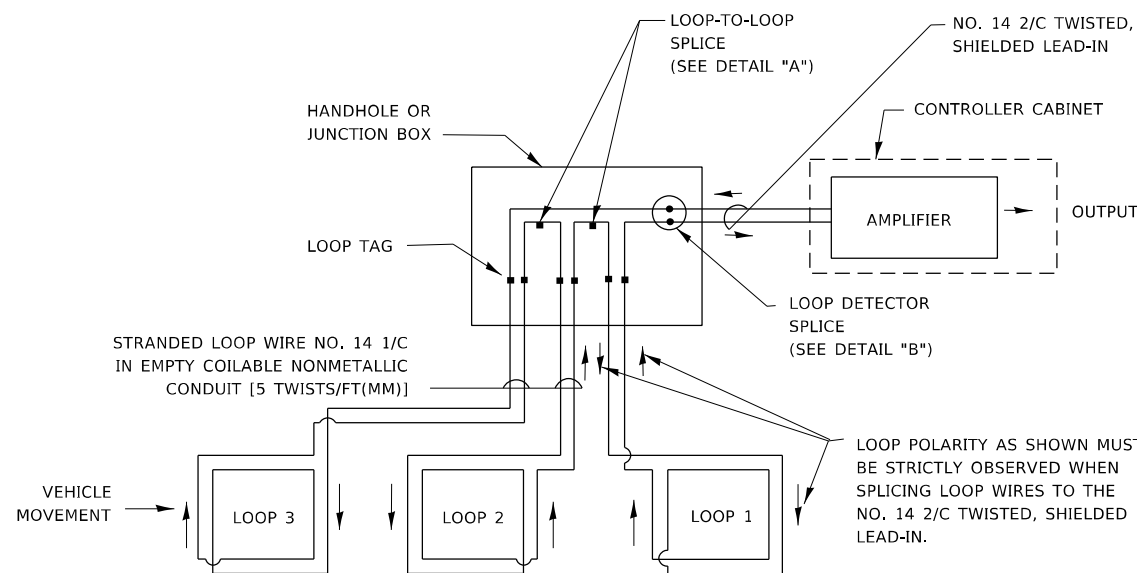
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

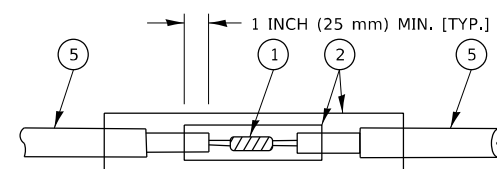


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

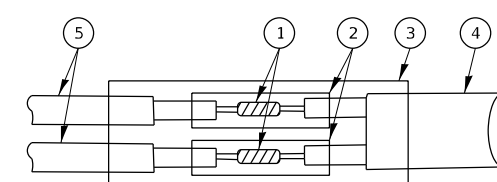


DETECTOR LOOP WIRING SCHEMATIC

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

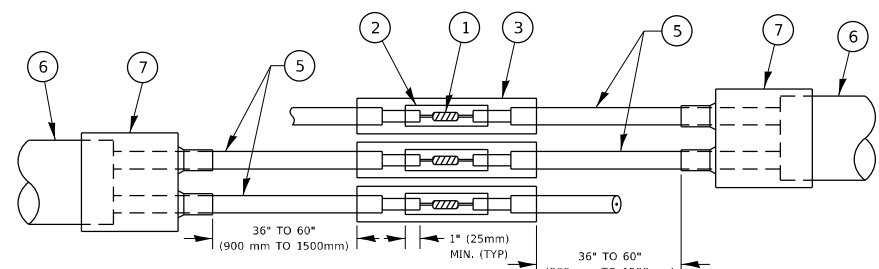


DETAIL "A"
LOOP-TO-LOOP SPLICE

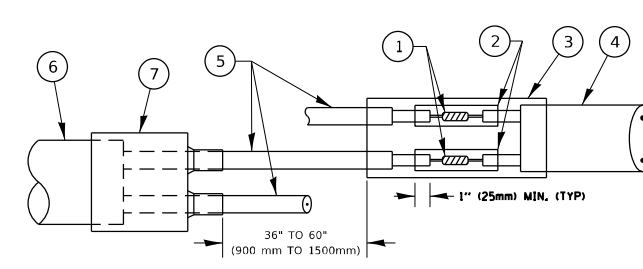


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

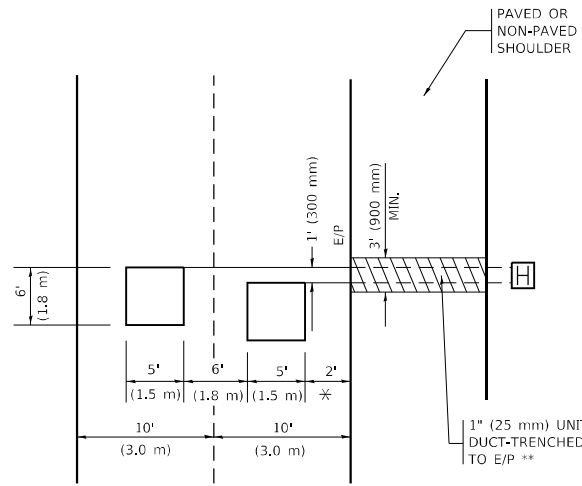
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 112	SECTION FAP 0112 22 RS	COUNTY WILL	TOTAL SHEETS 56	SHEET NO. 55
TS-05		CONTRACT NO. 62R94		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

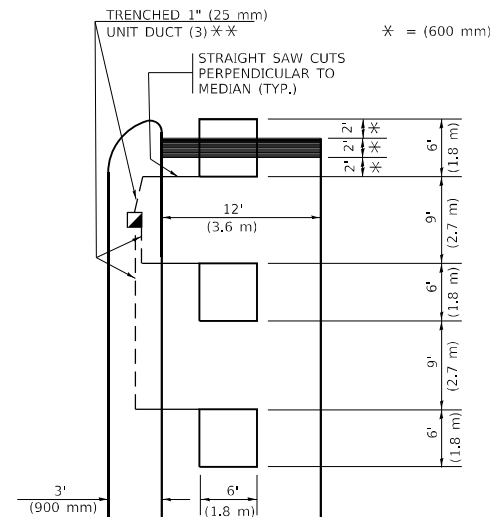


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

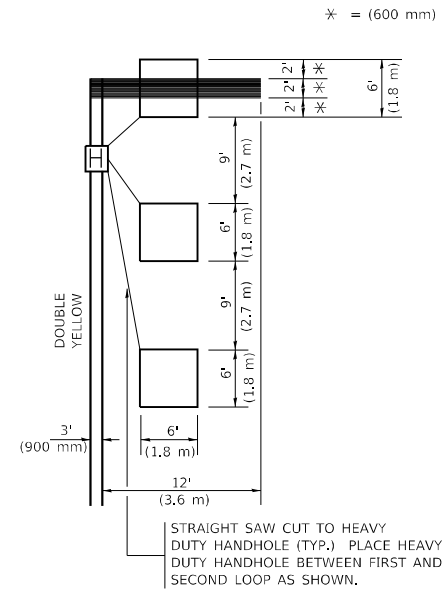


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

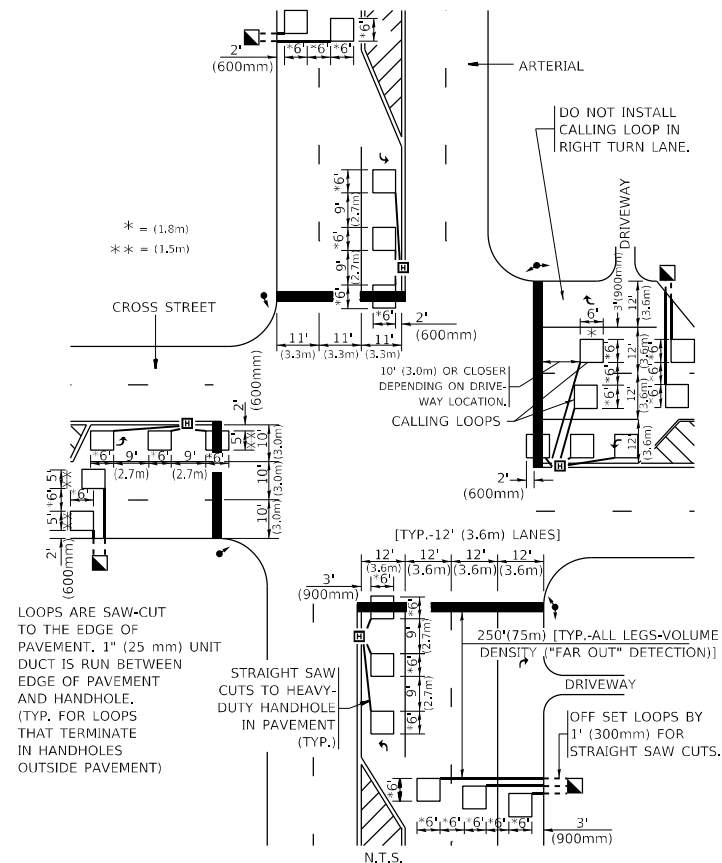
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

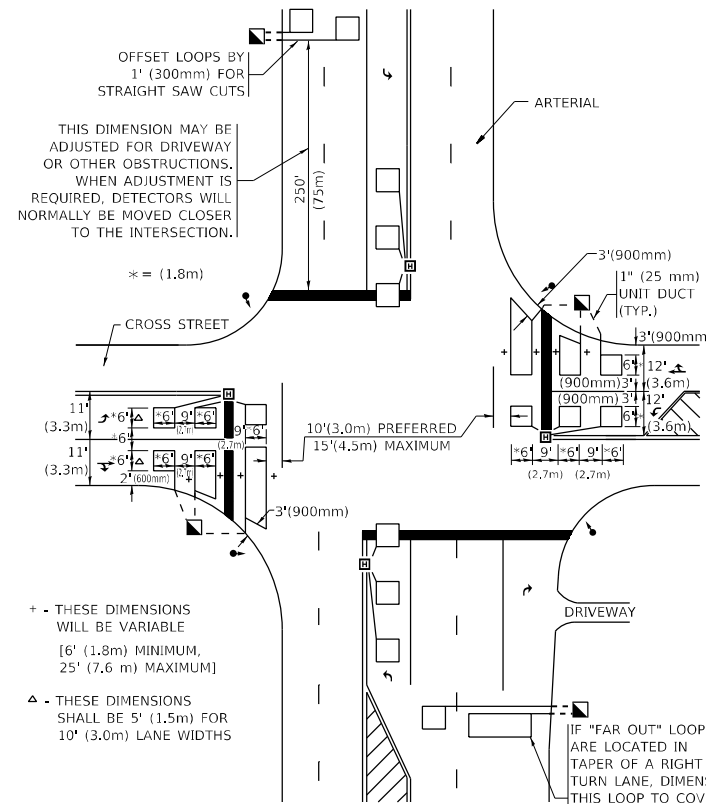
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



* = (1.8m)
 ** = (1.5m)

DETAIL 1
 N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	FAP 0112 22 RS	WILL	56	56
TS-07		CONTRACT NO. 62R94		

ILLINOIS FED. AID PROJECT