

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	1
ILLINOIS CONTRACT NO. 62U08				

\* 62 + 1 = 63 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE CITY OF CHICAGO HEIGHTS

TRAFFIC DATA:

US 30 (LINCOLN HWY):

OTHER PRINCIPAL ARTERIAL

PROJECT BEGIN TO PROJECT END:

ADT (2021) = 26,000

SPEED LIMIT = 35 MPH

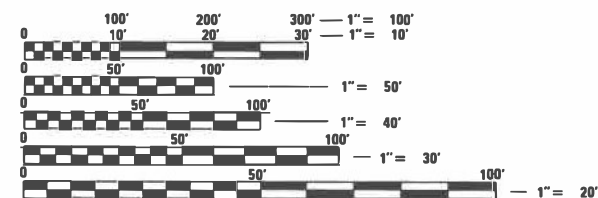
PROPOSED  
HIGHWAY PLANS

FAP ROUTE 353: US 30 (LINCOLN HWY)  
FROM HILLTOP AVE TO LOWE AVE

SECTION: FAP 353 22 RS  
PROJECT: NHPP-AIBI(935)

SMART OVERLAY, ADA RAMP IMPROVEMENTS  
AND DRAINAGE  
COOK COUNTY

C-91-370-22

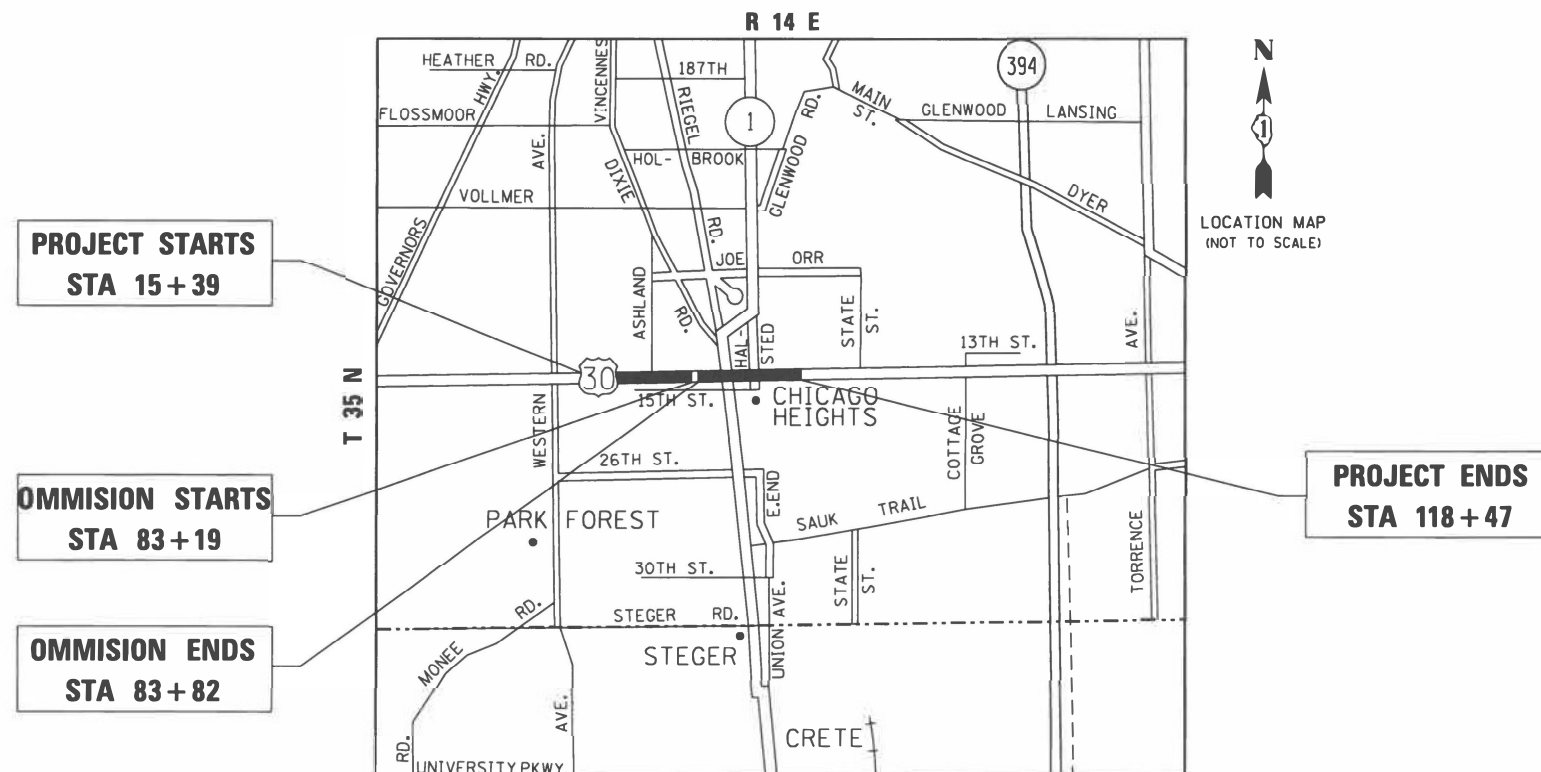


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240  
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62U08



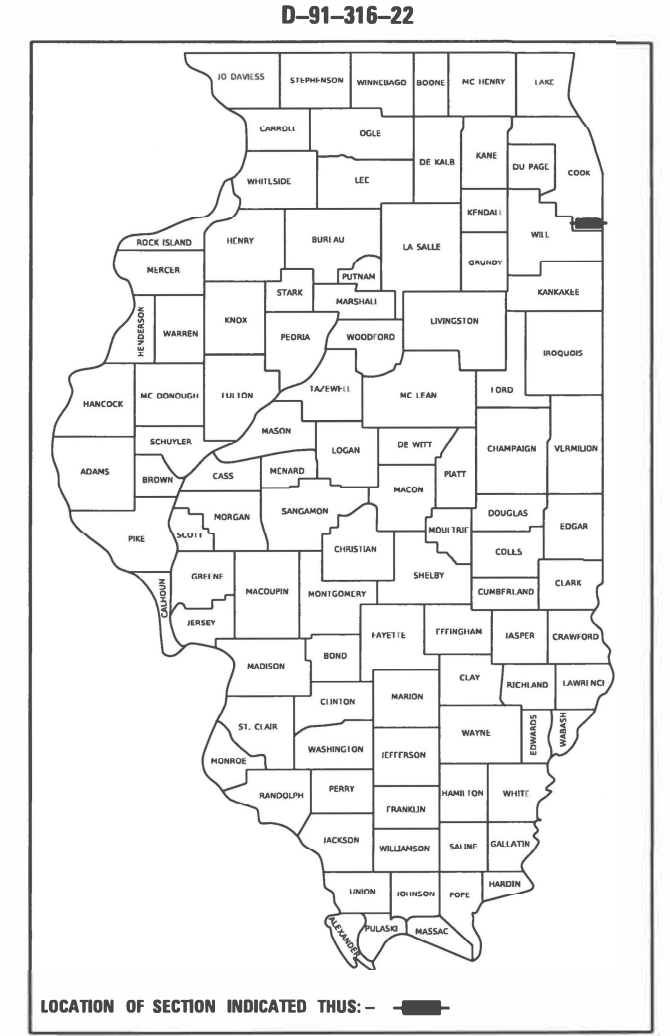
PROJECT STARTS  
STA 15+39

OMMISION STARTS  
STA 83+19

OMMISION ENDS  
STA 83+82

PROJECT ENDS  
STA 118+47

NET LENGTH = 10,245 FT. = 1.94 MILES  
GROSS LENGTH = 10,308 FT. = 1.96 MILES  
OMMISION = 63 FEET = .012 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED MARCH 16, 2023  
Jose Rivera REGIONAL ENGINEER  
June 30, 2023  
Scott A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT  
June 30, 2023  
Stephen M. Smith  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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**GENERAL NOTES (CONTINUED)**

- 25. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- 26. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
- 27. TOP OF GRATE OR RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES/LIDS ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. PROPOSED SEWER LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.
- 28. 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.
- 29. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
- 30. PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
- 31. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 32. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) CALENDAR DAY FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- 33. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN IN EFFECTIVE WORKING CONDITION.
- 34. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE: ([HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)).
- 35. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- 36. CONTRACTOR IS RESPONSIBLE FOR MARKING LIMITS AND GIVING LAYOUT FOR SIDEWALK, ADA TILE, AND NECESSARY CURB AND GUTTER, EVEN IF A DETAILED DESIGN IS NOT GIVEN.
- 37. FILLING OF ANY CURB SLOTS WHICH MAY OCCUR IS INCIDENTAL TO THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.
- 38. OVERNIGHT CLOSURES MAY BE USED AT THE RESIDENT ENGINEER'S DISCRETION AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 39. FOR ANY AND ALL COMMUNICATION WITH UNION PACIFIC RAILROAD, THE CONTRACTOR SHALL REFERENCE UP FOLDER NUMBER 0519180.
- 40. "AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) HAS BEEN PROVIDED FOR USE FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH P.G.E.S. WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIAL UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS AND GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH P.G.E.S. OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR."
- 41. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK
- 42. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 43. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 44. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- 45. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- 46. THE RESIDENT ENGINEER SHALL REPORT CLEARANCES UNDER THE RR BRIDGE AFTER RESURFACING
- 47. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES  
US 30 (HILLTOP AVE TO LOWE AVE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	3
			CONTRACT NO. 62U08	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021	
20200100	EARTH EXCAVATION	CU YD	750	750			
20800150	TRENCH BACKFILL	CU YD	90	90			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	350	350			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1800	1800			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25	25			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25	25			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	25	25			
25200110	SODDING, SALT TOLERANT	SO YD	2250	2250			
25200200	SUPPLEMENTAL WATERING	UNIT	20	20			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	145	145			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1300	1300			
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20	20			
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	470	470			
35501323	HOT-MIX ASPHALT BASE COURSE, 9 3/4"	SO YD	1165	1165			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32033	32033			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	40000	40000			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	105	105			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	750	750			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	504	504			
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	6919	6919			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	180	180			
42001300	PROTECTIVE COAT	SO YD	4350	4350			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	26750	26750			
42400800	DETECTABLE WARNINGS	SO FT	1400	1400			
44000100	PAVEMENT REMOVAL	SO YD	1635	1635			
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	69438	69438			
44000600	SIDEWALK REMOVAL	SO FT	26750	26750			

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

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
US 30 (HILLTOP AVE TO LOWE AVE)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021		
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SO YD	3600	3600				
44003100	MEDIAN REMOVAL	SO FT	4550	4550				
44201682	CLASS D PATCHES, TYPE II, 3 INCH	SO YD	310	310				
44201683	CLASS D PATCHES, TYPE III, 3 INCH	SO YD	310	310				
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	1500	1500				
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	900	900				
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	1200	1200				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	250	250				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	550	550				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1				
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1				
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	8	8				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	14	14				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	14	14				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021		
60262700	INLETS TO BE RECONSTRUCTED	EACH	14	14				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	6				
60404400	FRAMES AND GRATES, TYPE 4	EACH	36	36				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6	6				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5				
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	3700	3700				
60624600	CORRUGATED MEDIAN	SQ FT	850	850				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	545	545				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	40	40				
67100100	MOBILIZATION	L SUM	1	1				

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES    US 30 (HILLTOP AVE TO LOWE AVE)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	5
CONTRACT NO.			62U08	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	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			
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	712	712			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	86	86			
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	712	712			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	28000	28000			
70107012	PAVEMENT MARKING BLACKOUT TAPE, 12"	FOOT	712	712			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	18500	18500			
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	1400	1400			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	28300	28300			
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	6200	6200			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021	
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	12200	12200			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1324	1324			
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	13000	13000			
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SO FT	255	255			
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1148	1148			
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	738	738			
72000100	SIGN PANEL - TYPE 1	SQ FT	10	10			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1400	1400			

\* = SPECIALTY ITEMS  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		80% FED 20% STATE COOK 0005	100% STATE COOK 0005	80% FED 20% STATE COOK PEDESTRIAN SIGNAL 0021	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28300	28300			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6200	6200			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	12200	12200			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1300	1300			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	948	948			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	948	948			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	219		219		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6		6		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1796		1796		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	338		338		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
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* 87900200	DRILL EXISTING HANDHOLE	EACH	18		18		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	4451	4451			
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	151		151		
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6		6		
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	550	550			
X0350810	BOLLARD REMOVAL	EACH	1	1			
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	18		18		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	800	800			
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER 10 FEET	FOOT	5100	5100			
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2620		2620		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	118	118			
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES US 30 (HILLTOP AVE TO LOWE AVE)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62U08	
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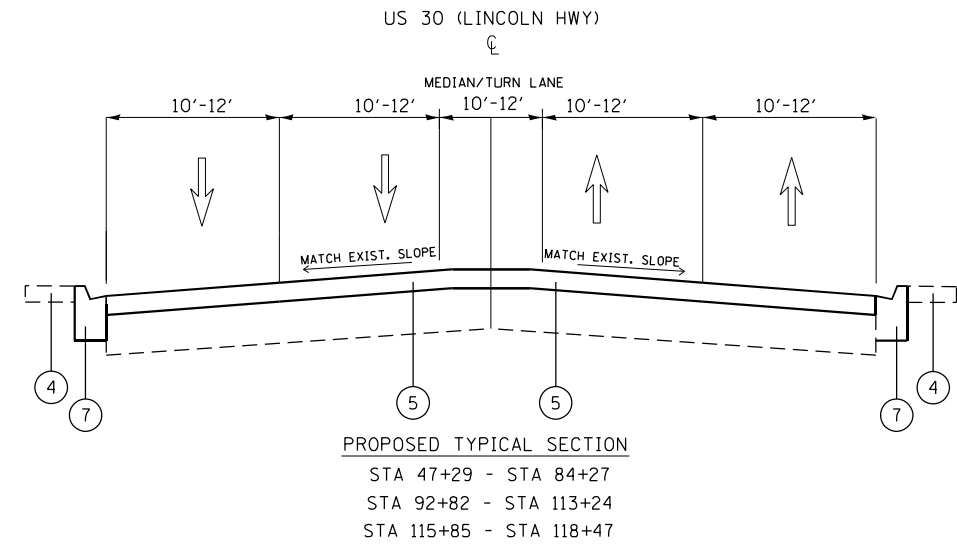
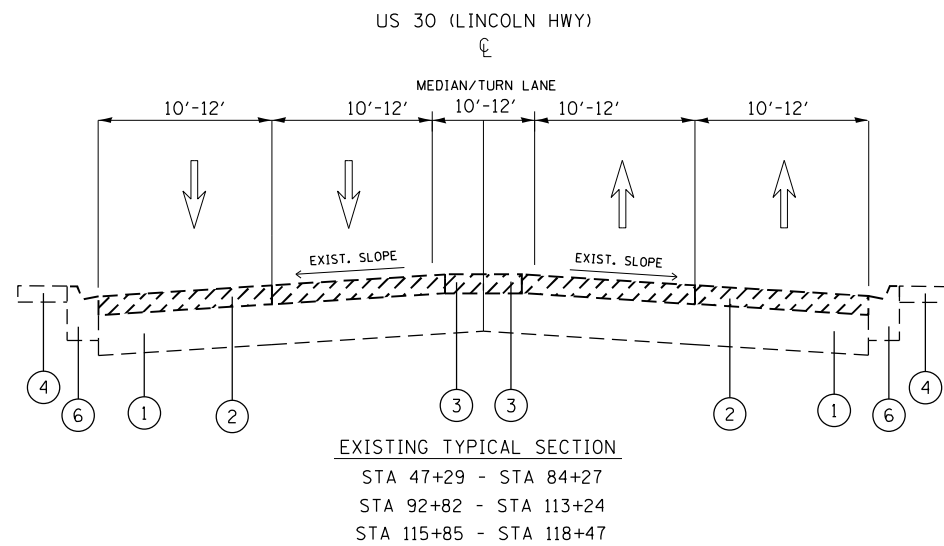
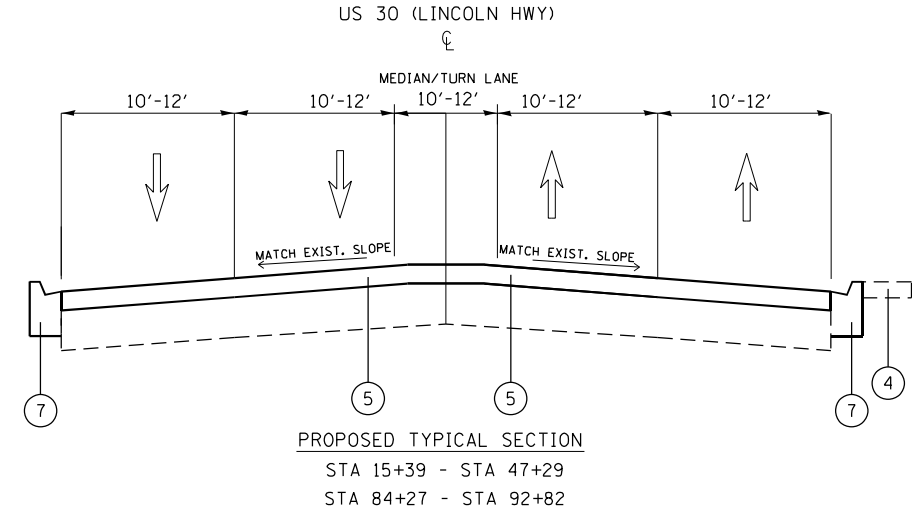
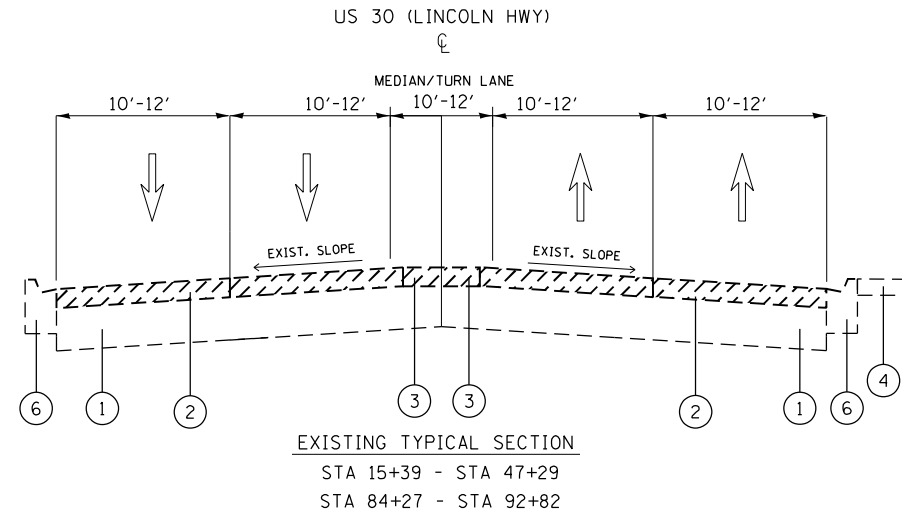




1. PORTLAND CEMENT CONCRETE PAVEMENT, 10" +/-
2. EXISTING HMA SURFACE, 1.75" +/-
3. PROPOSED HMA SURFACE REMOVAL, 1.75"
4. EXISTING SIDEWALK, 5"

**LEGEND**

5. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT 9.5 MIX "F", N80 1.75"
6. EXISTING COMBINATION CURB AND GUTTER
7. PROPOSED COMBINATION CURB AND GUTTER (REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE RE)
8. PROPOSED HOT-MIX ASPHALT BASE COURSE, 9 3/4"
9. PROPOSED 12" AGGREGATE SUBGRADE IMPROVEMENT
10. PIPE UNDERDRAIN TYPE 2, 4"
11. CONCRETE MEDIAN



HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
<b>PAVEMENT</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "F", N80 1 3/4	3.5% @ 80 GYR.	OCP
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 MM)	4.0% @ 70 GYR.	OC/OA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0 MM)	4.0% @ 70 GYR.	OC/OA
<b>FULL DEPTH PAVEMENT REPLACEMENT</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "F", N80 1 3/4	3.5% @ 80 GYR.	OCP
HMA BASE COURSE, (HMA BINDER IL-19.0) 9 3/4	4.0% @ 90 GYR.	OC/OA
<b>INCIDENTAL HOT-MIX SURFACING</b>		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4.0% @ 70 GYR.	OC/OA

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)

**NOTE**

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT 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 AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTE 3: THE CONTRACTOR SHALL PATCH THEN MILL

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

NOTE 5: SOLID CONCRETE MEDIAN, TYPE SB-6.06 TO BE PLACE BETWEEN STA. 111+00 - STA. 116+01 AND IS TO MATCH EXISTING MEDIAN ELEVATIONS

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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0002' / in.	DRAWN -	REVISED -
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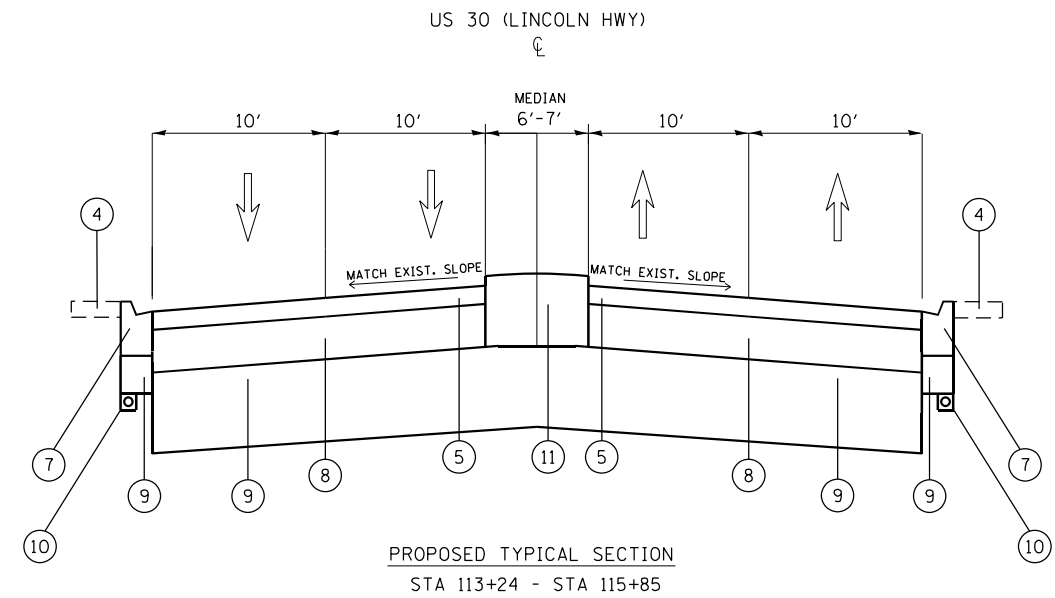
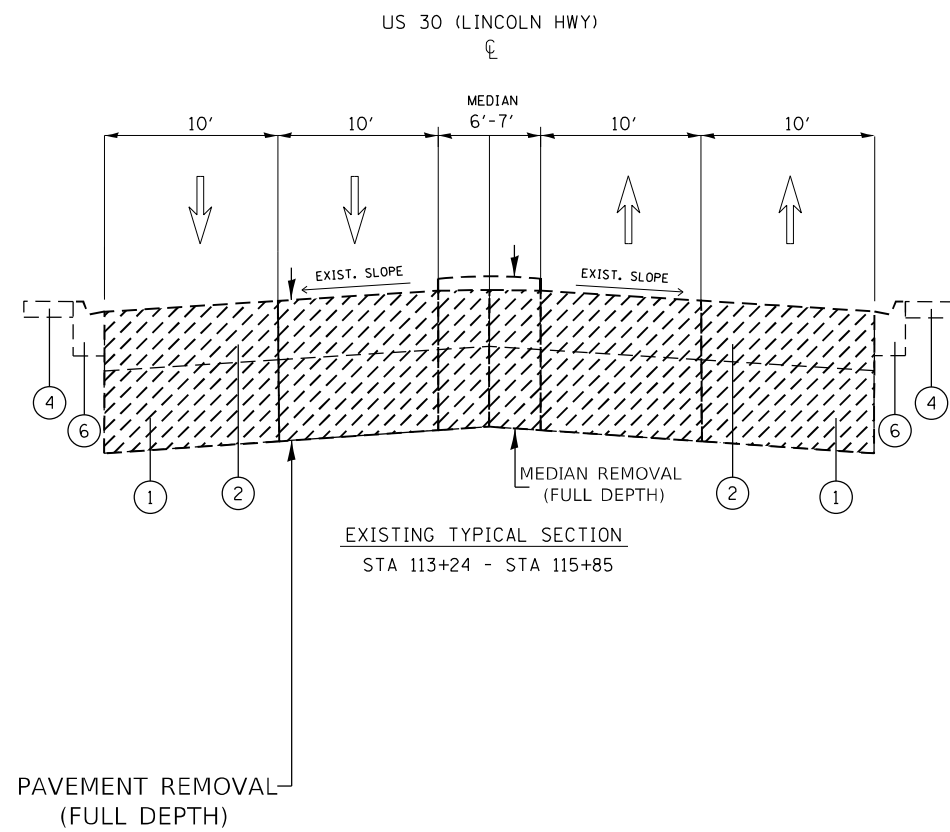
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTION</b>	
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	9
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- 1. PORTLAND CEMENT CONCRETE PAVEMENT, 10" +/-
- 2. EXISTING HMA SURFACE, 1.75" +/-
- 3. PROPOSED HMA SURFACE REMOVAL, 1.75"
- 4. EXISTING SIDEWALK, 5"
- 5. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT 9.5 MIX "F", N80 1.75"
- 6. EXISTING COMBINATION CONCRETE CURB AND GUTTER
- 7. PROPOSED COMBINATION CURB AND GUTTER (REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE RE)
- 8. PROPOSED HOT-MIX ASPHALT BASE COURSE, 9 3/4"
- 9. PROPOSED 12" AGGREGATE SUBGRADE IMPROVEMENT
- 10. PIPE UNDERDRAIN TYPE 2, 4"
- 11. CONCRETE MEDIAN



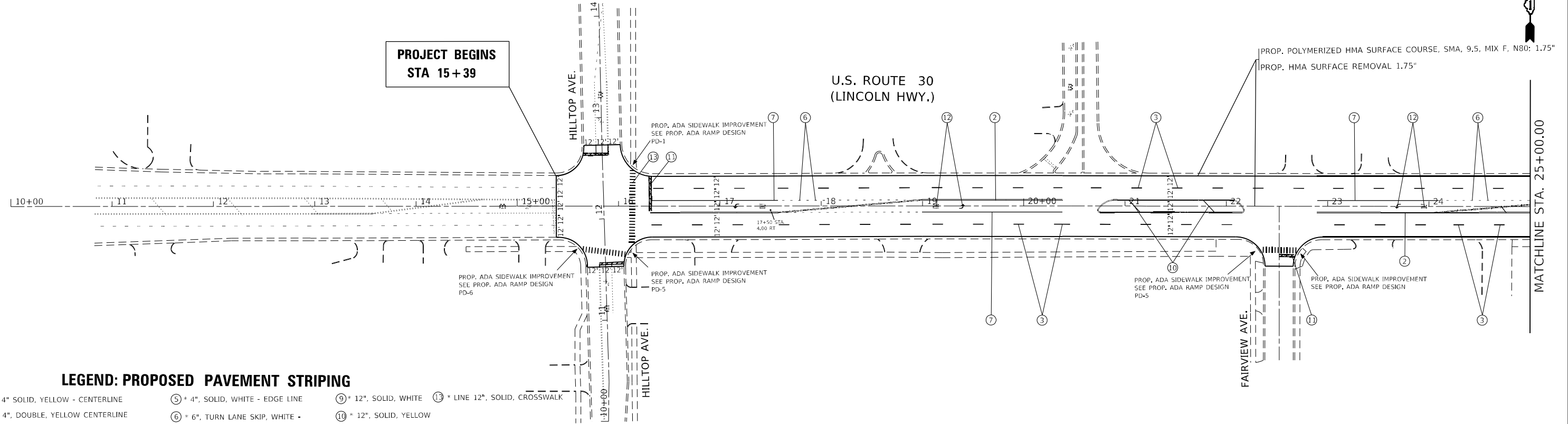
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/21/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
US 30 (HILLTOP AVE TO LOWE AVE)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

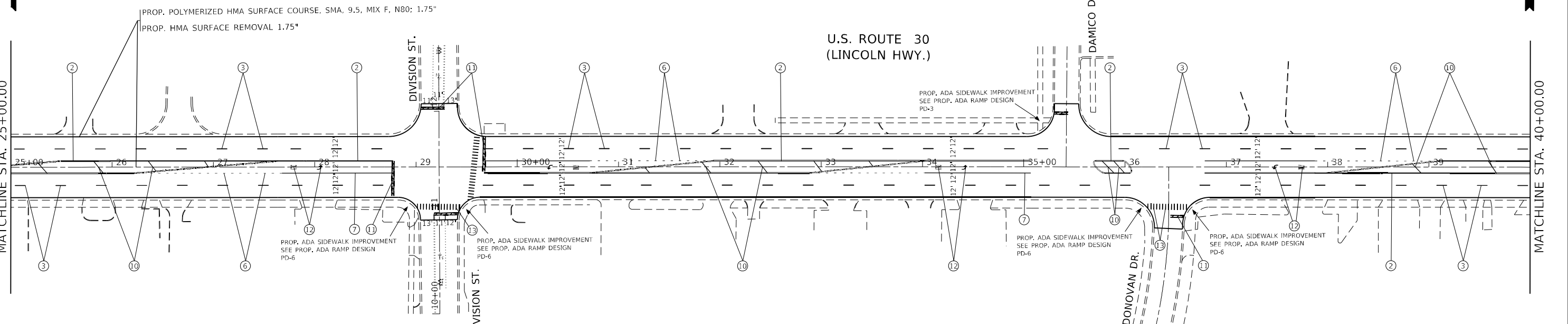
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	10
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4" DOUBLE, YELLOW CENTERLINE
- ③ \* 4" SKIP-DASH, WHITE
- ④ \* 4" SKIP-DASH, YELLOW
- ⑤ \* 4" SOLID, WHITE - EDGE LINE
- ⑥ \* 6" TURN LANE SKIP, WHITE
- ⑦ \* 6" SOLID, WHITE
- ⑧ \* 8" SOLID, WHITE
- ⑨ \* 12" SOLID, WHITE
- ⑩ \* 12" SOLID, YELLOW
- ⑪ \* 24" SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

MATCHLINE STA. 25+00.00



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4" DOUBLE, YELLOW CENTERLINE
- ③ \* 4" SKIP-DASH, WHITE
- ④ \* 4" SKIP-DASH, YELLOW
- ⑤ \* 4" SOLID, WHITE - EDGE LINE
- ⑥ \* 6" TURN LANE SKIP, WHITE
- ⑦ \* 6" SOLID, WHITE
- ⑧ \* 8" SOLID, WHITE
- ⑨ \* 12" SOLID, WHITE
- ⑩ \* 12" SOLID, YELLOW
- ⑪ \* 24" SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

MATCHLINE STA. 40+00.00

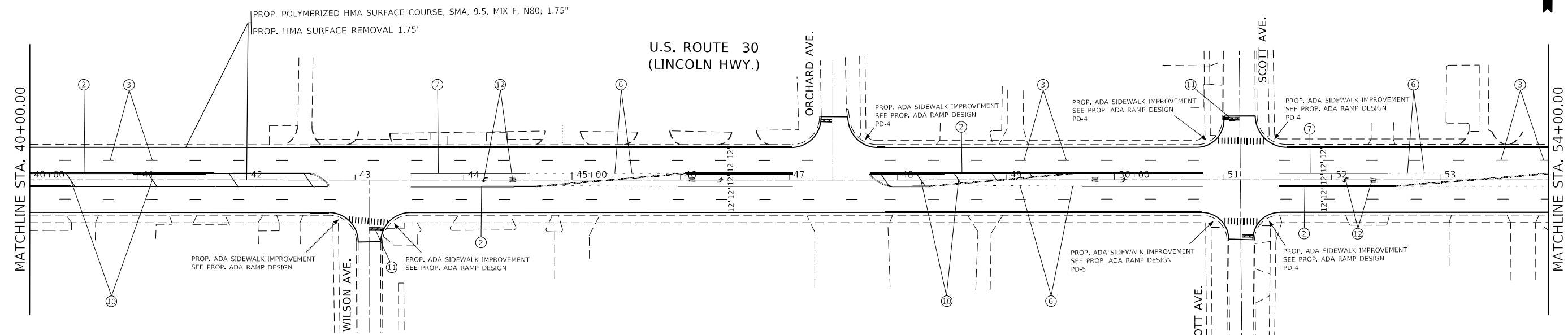
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PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

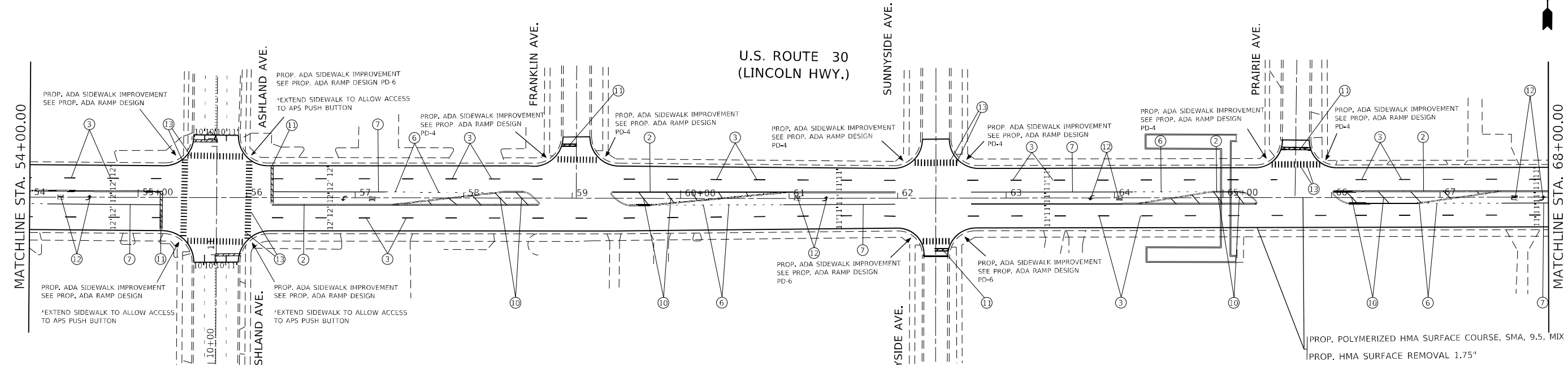
<b>ROADWAY PLAN</b>	
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	11
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

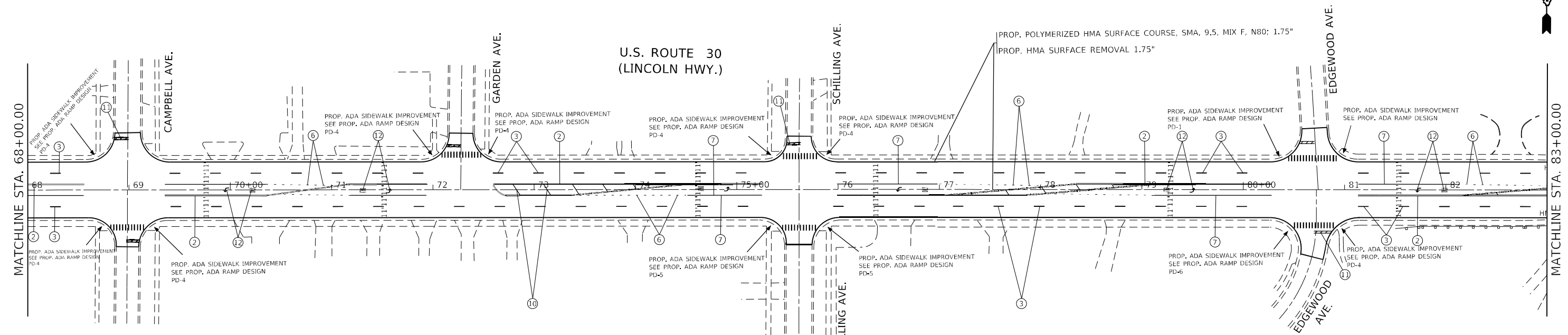
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PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

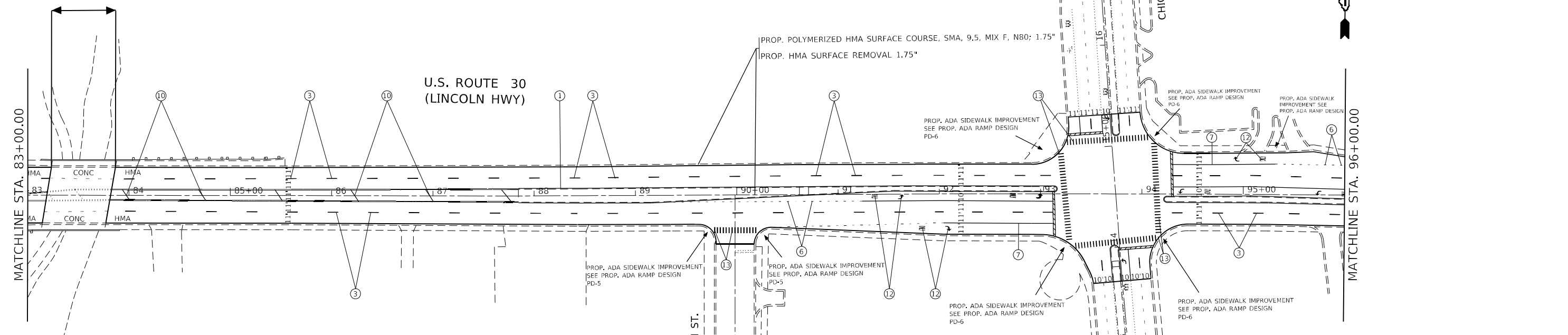
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	12
CONTRACT NO. 62U08				
ILLINOIS		FED. AID PROJECT		



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

**BRIDGE OMISSION  
STA 83+19 TO STA 83+82**



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

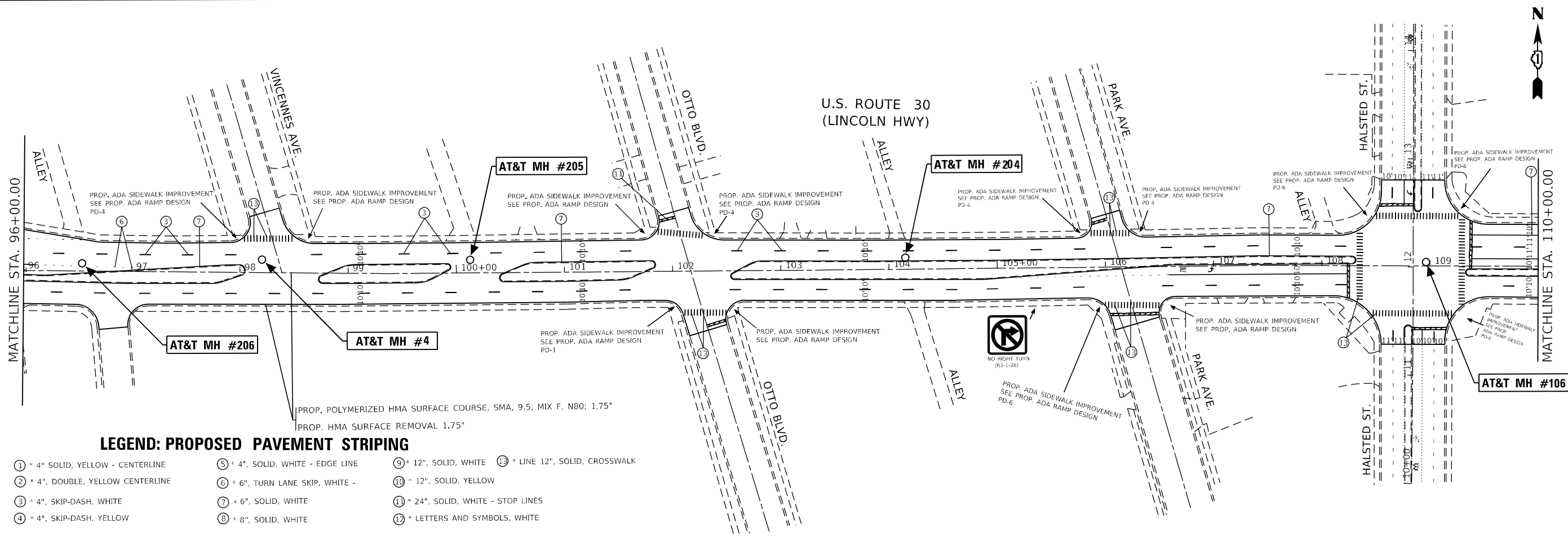
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

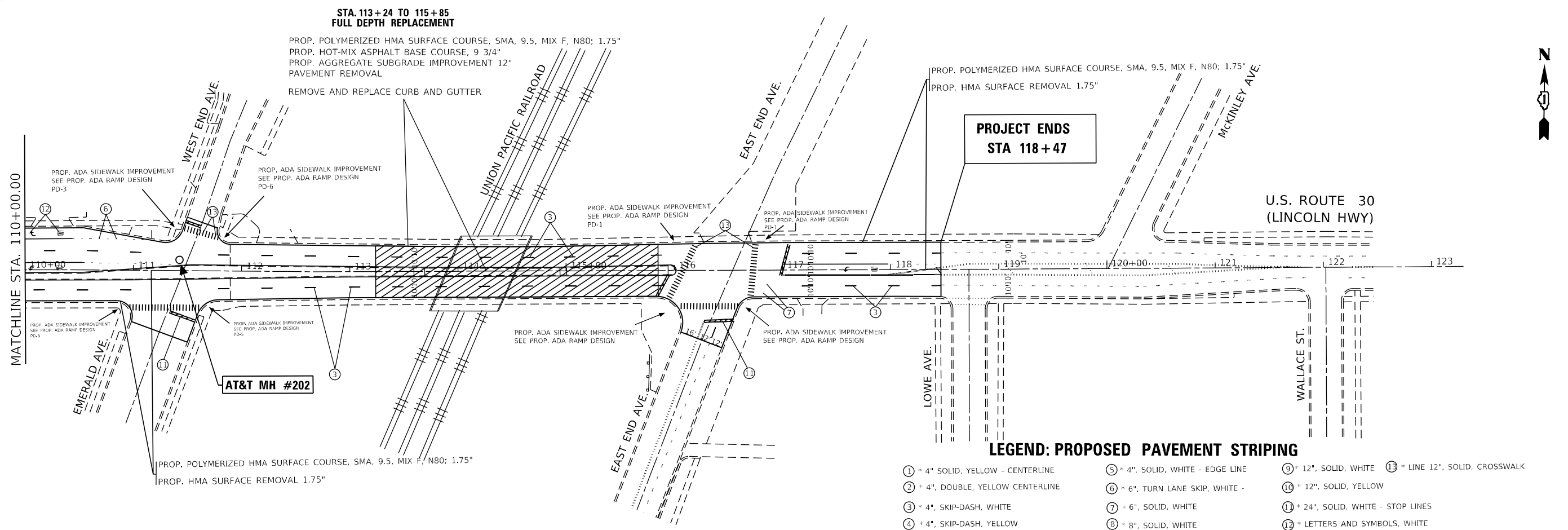
<b>ROADWAY PLAN</b>	
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 353	SECTION FAP 353 22 R5	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 13
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK



**LEGEND: PROPOSED PAVEMENT STRIPING**

- ① \* 4" SOLID, YELLOW - CENTERLINE
- ② \* 4", DOUBLE, YELLOW CENTERLINE
- ③ \* 4", SKIP-DASH, WHITE
- ④ \* 4", SKIP-DASH, YELLOW
- ⑤ \* 4", SOLID, WHITE - EDGE LINE
- ⑥ \* 6", TURN LANE SKIP, WHITE -
- ⑦ \* 6", SOLID, WHITE
- ⑧ \* 8", SOLID, WHITE
- ⑨ \* 12", SOLID, WHITE
- ⑩ \* 12", SOLID, YELLOW
- ⑪ \* 24", SOLID, WHITE - STOP LINES
- ⑫ \* LETTERS AND SYMBOLS, WHITE
- ⑬ \* LINE 12", SOLID, CROSSWALK

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PLOT DATE = 6/22/2023	DATE -	REVISED -

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

<b>ROADWAY PLAN</b>			
<b>US 30 (HILLTOP AVE TO LOWE AVE)</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	14
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

**REMOVAL AND RELOCATION NOTES:**

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

3 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

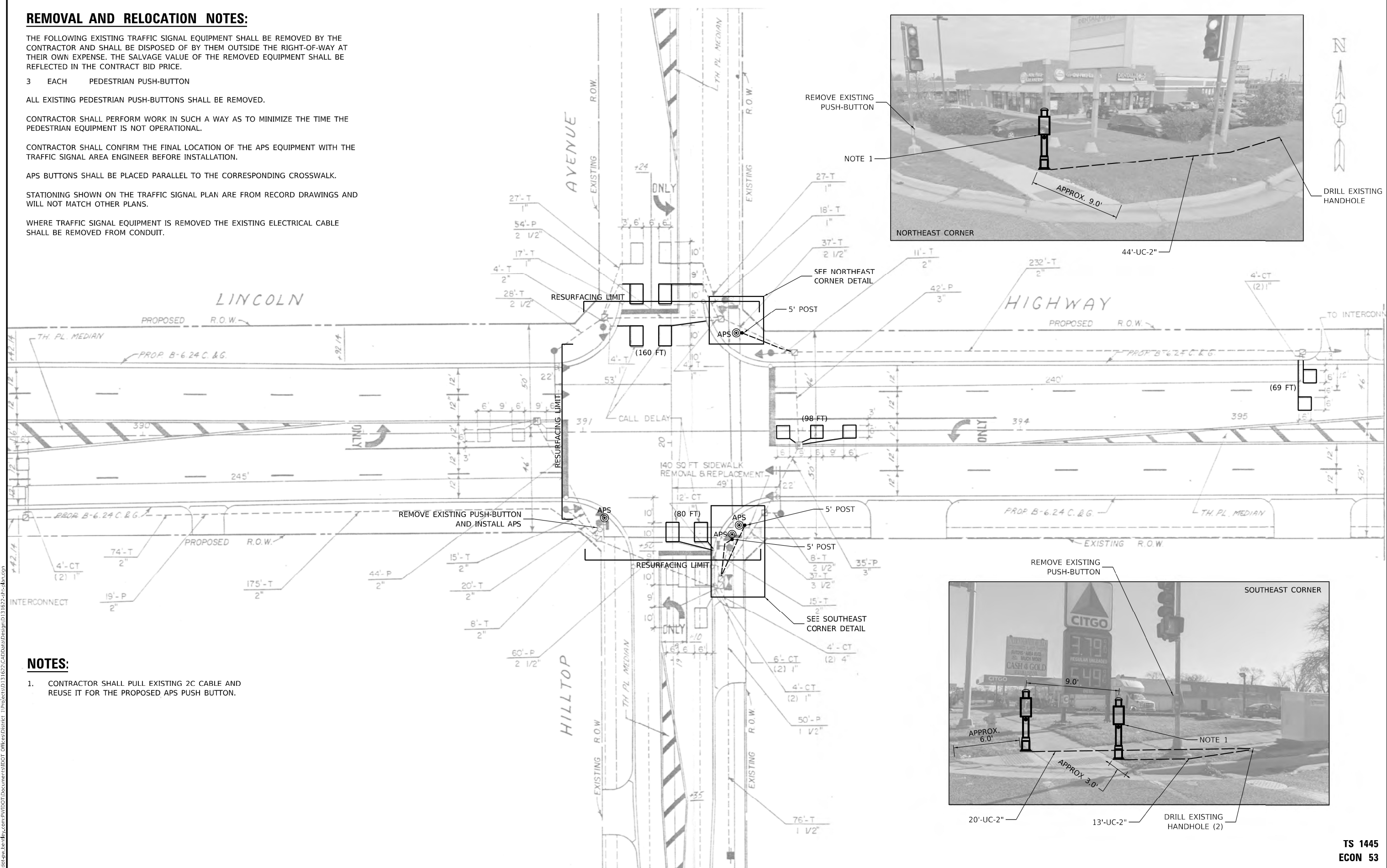
APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

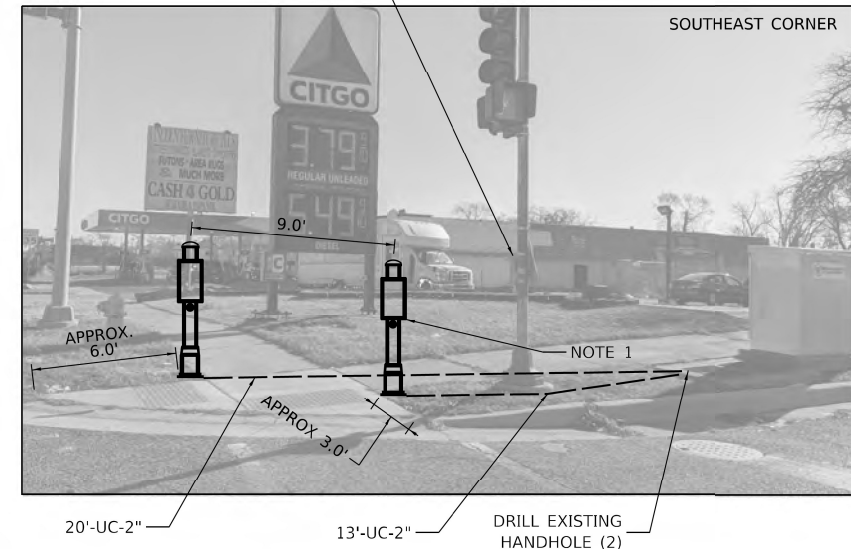
WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

**NOTES:**

1. CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.



DRILL EXISTING HANDHOLE



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**TS 1445  
ECON 53**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

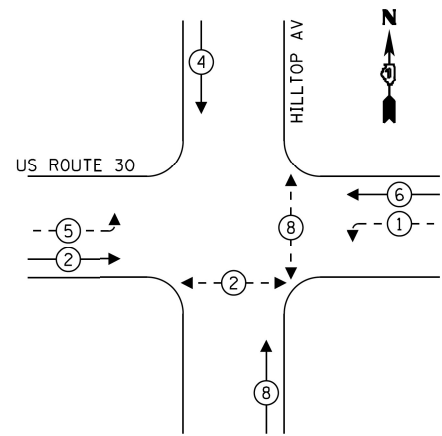
**APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND HILLTOP AVENUE**

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

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

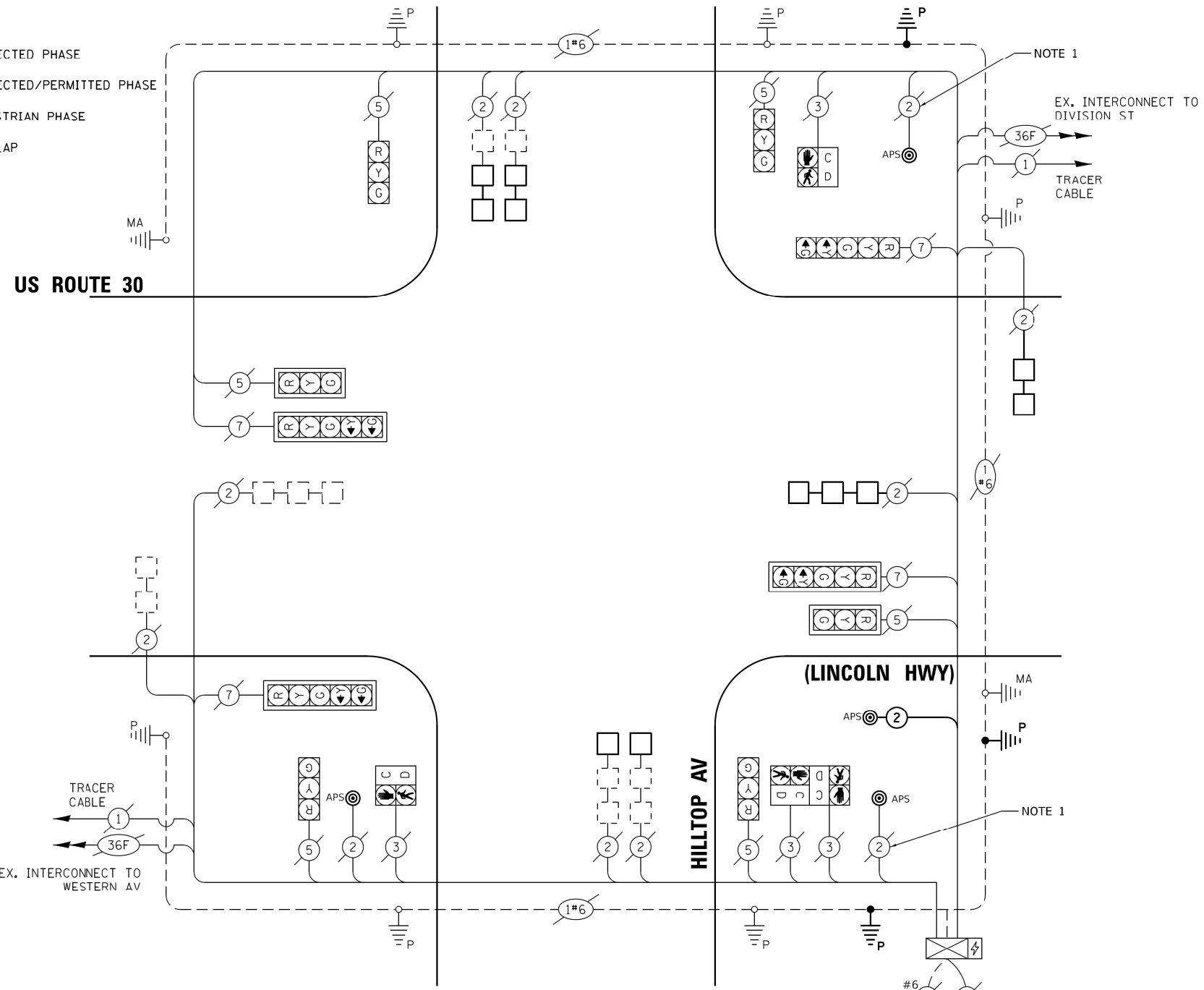
F.A.P. RTE. 353	SECTION FAP 353 22 R5	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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



**NOTES:**

1. CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.

**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	86
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	53
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	106
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	407
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	74
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	10	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>292.0</b>

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

**TS 1445**  
**ECON 53**

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	DATE -	REVISED -

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

**TRAFFIC SIGNAL CABLE PLAN**  
**US ROUTE 30 (LINCOLN HIGHWAY) AND HILLTOP**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	16
			CONTRACT NO. 62U08	
ILLINOIS FED. AID PROJECT				



**REMOVAL AND RELOCATION NOTES:**

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

3 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

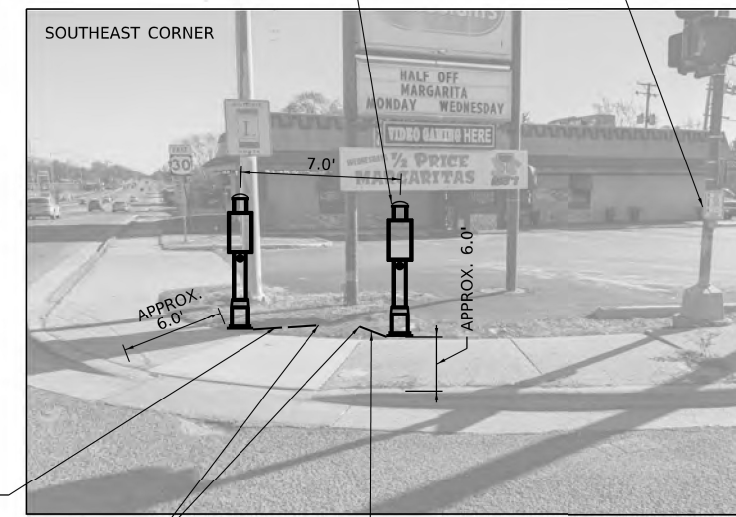
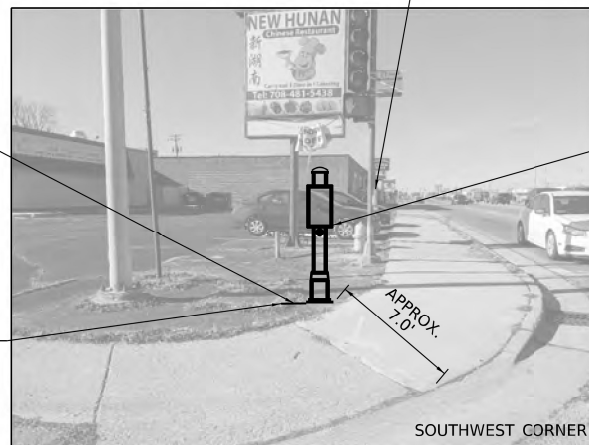
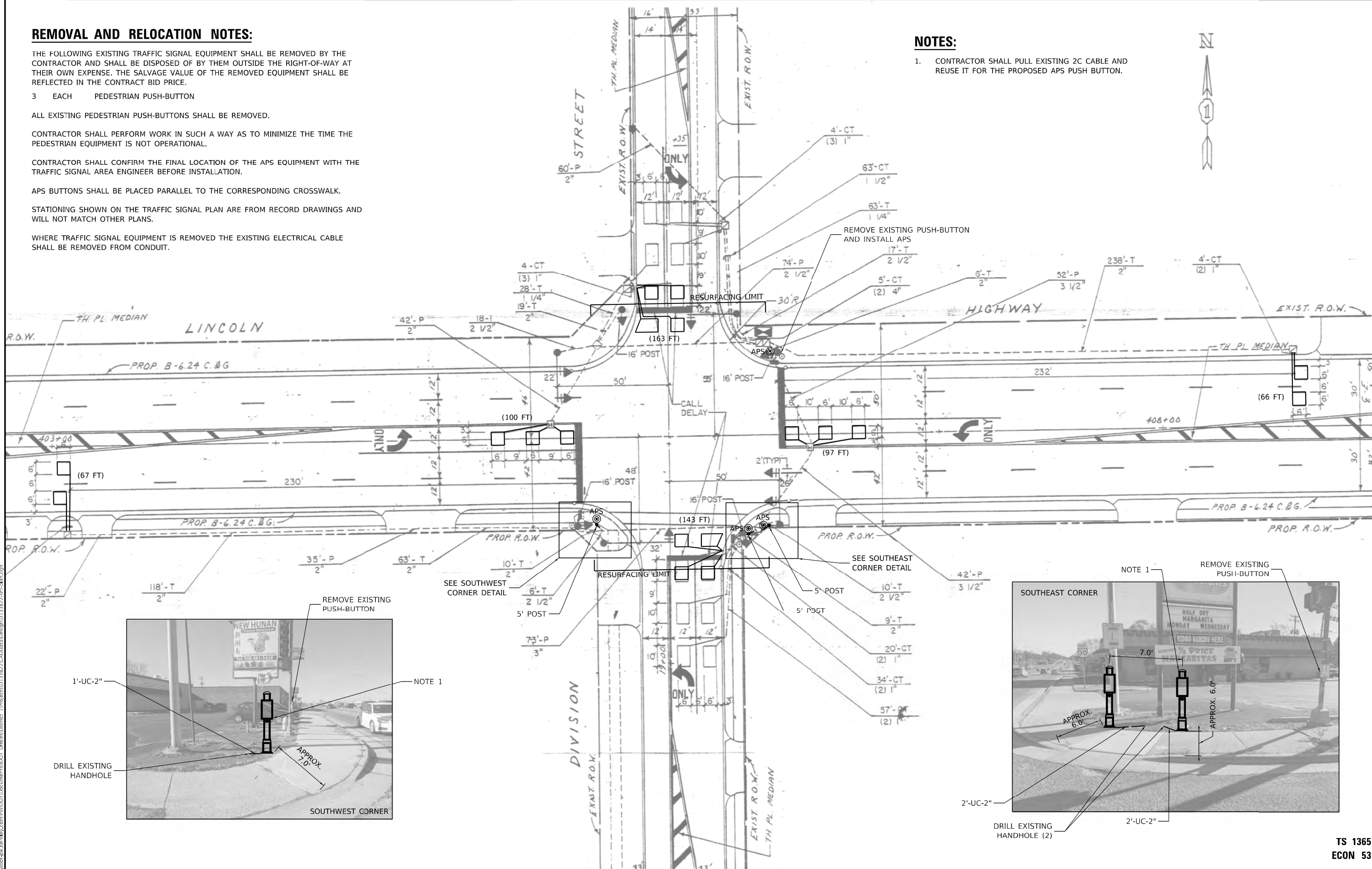
APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

**NOTES:**

- CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.



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 PROJECT: 11622-218-001

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DRAWN -	REVISED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

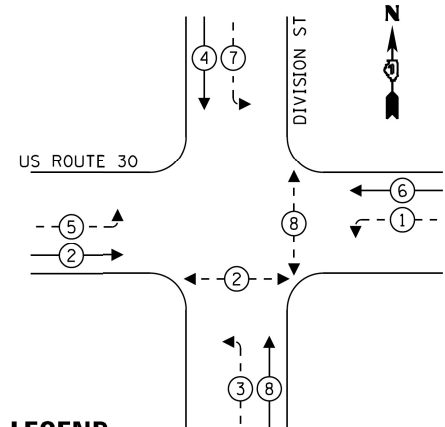
**APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND DIVISION STREET**

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

F.A.P. RTE. 353	SECTION FAP 353 22 R5	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

**TS 1365  
ECON 53**

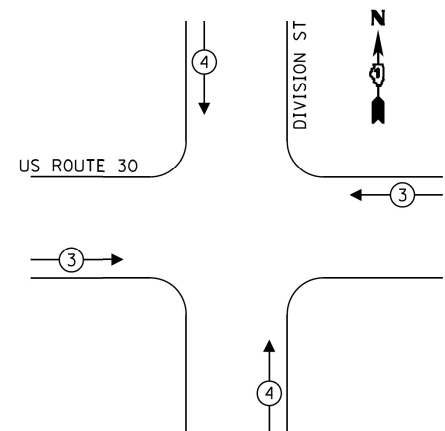
### EXISTING CONTROLLER SEQUENCE



### LEGEND:

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

### EMERGENCY VEHICLE PREEMPTION SEQUENCE

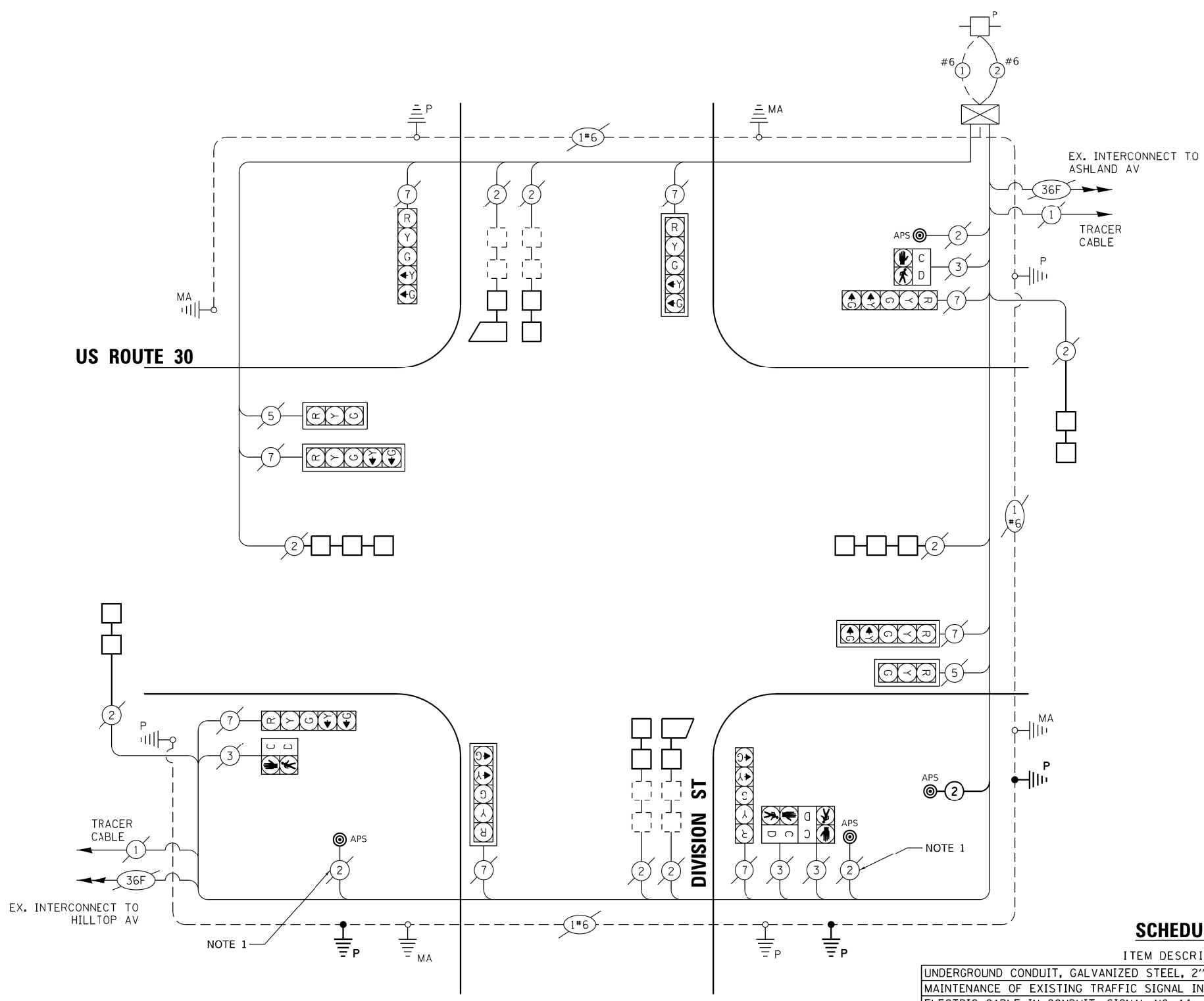


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	10	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
			TOTAL =	300.0

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

### US ROUTE 30



**CABLE PLAN**  
(NOT TO SCALE)

### NOTES:

- CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.

### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	14
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	137
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	34
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	636
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	44
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TS 1365  
ECON 53**

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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/12/2023	CHECKED -	REVISED -
	DATE -	REVISED -

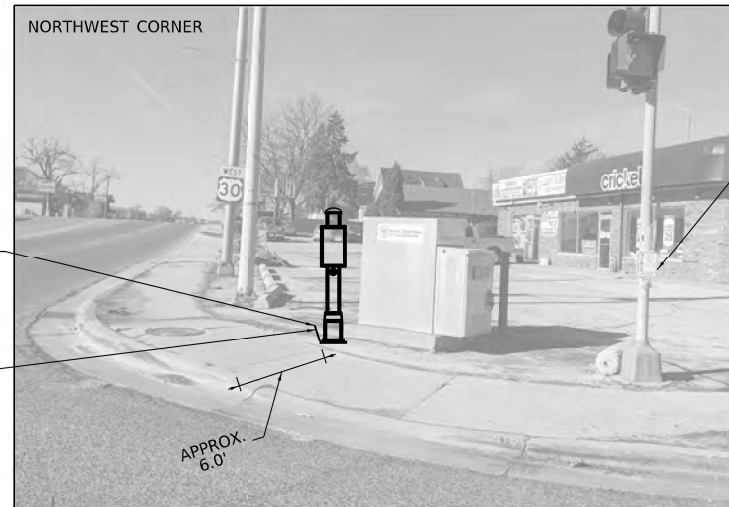
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND DIVISION STREET**

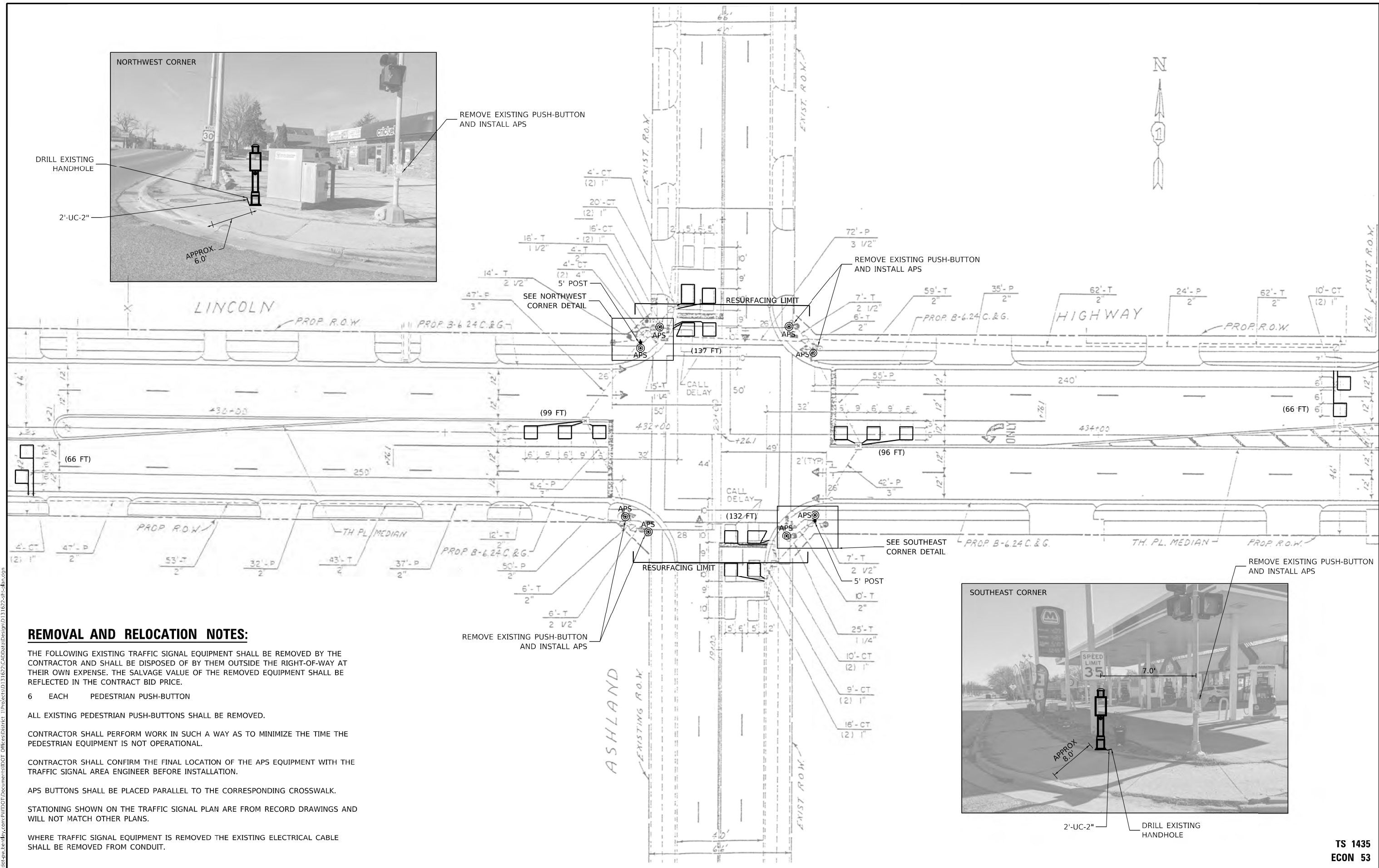
SCALE: 1"=50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	18
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



REMOVE EXISTING PUSH-BUTTON AND INSTALL APS

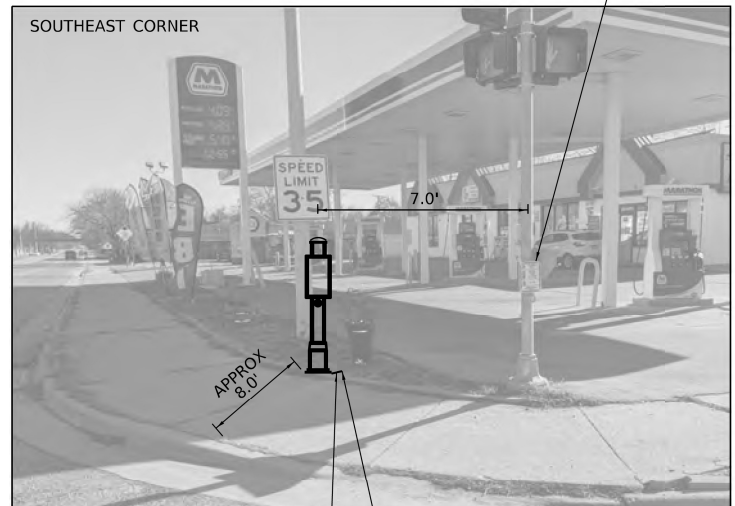


REMOVE EXISTING PUSH-BUTTON AND INSTALL APS

SEE SOUTHEAST CORNER DETAIL

REMOVE EXISTING PUSH-BUTTON AND INSTALL APS

REMOVE EXISTING PUSH-BUTTON AND INSTALL APS



DRILL EXISTING HANDHOLE

**REMOVAL AND RELOCATION NOTES:**

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

6 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND ASHLAND AVENUE**

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

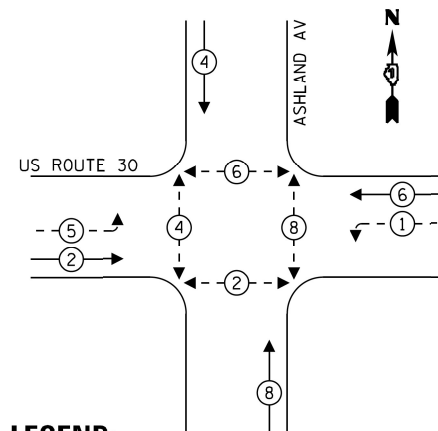
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

F.A.P. RTE. 353	SECTION FAP 353 22 RS	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

**TS 1435  
ECON 53**

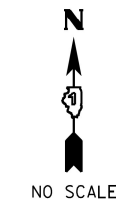
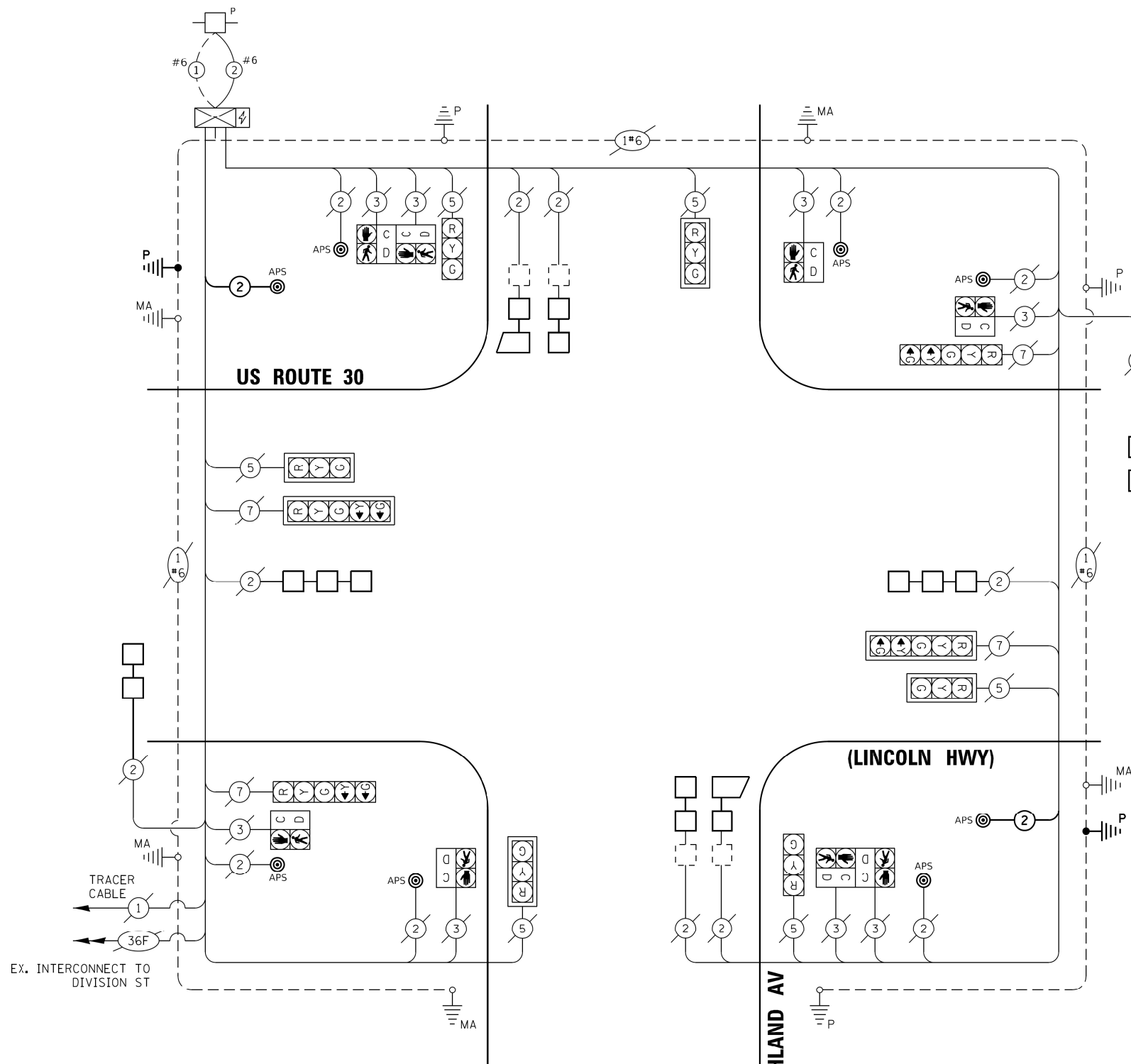
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**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	259
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	23
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	596
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TS 1435**  
**ECON 53**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	10	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>332.0</b>

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/12/2023	CHECKED -	REVISED -
	DATE -	REVISED -

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

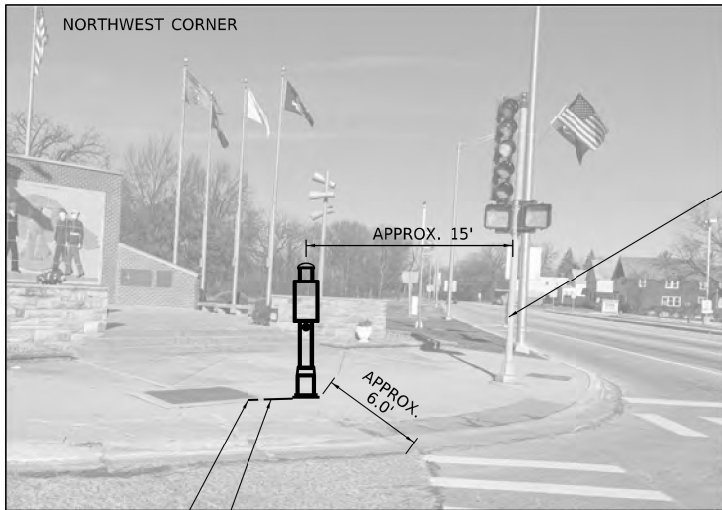
**TRAFFIC SIGNAL CABLE PLAN**  
**US ROUTE 30 (LINCOLN HIGHWAY) AND ASHLAND AVENUE**

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

F.A.P. RTE. 353	SECTION FAP 353 22 R5	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 20
CONTRACT NO. 62U08				ILLINOIS FED. AID PROJECT

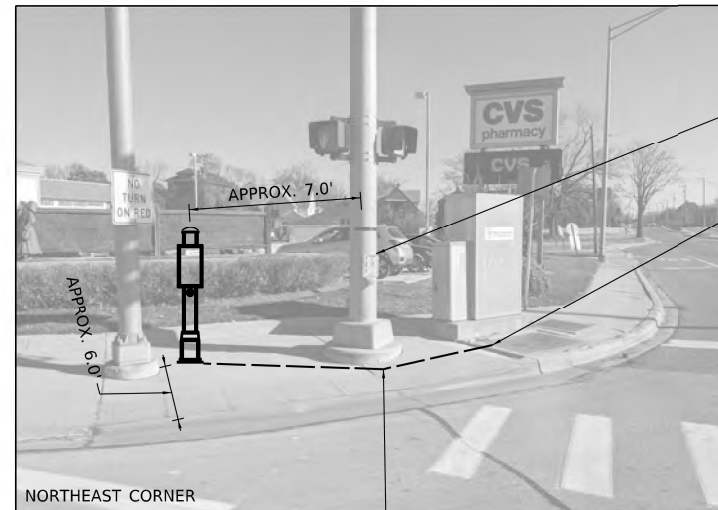
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MATCH STA. 111+77



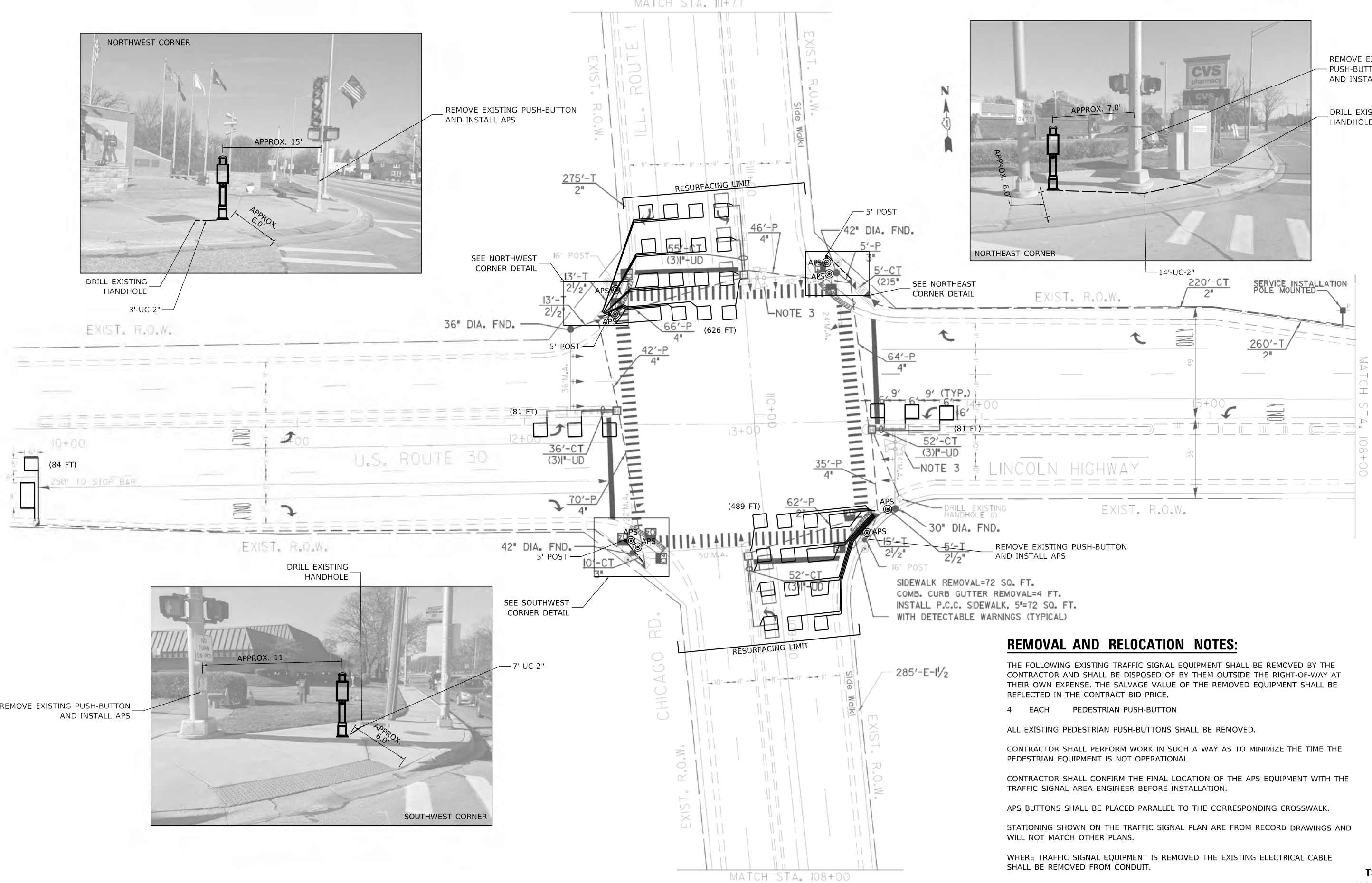
DRILL EXISTING HANDHOLE  
3'-UC-2"

REMOVE EXISTING PUSH-BUTTON AND INSTALL APS



REMOVE EX PUSH-BUTTON AND INSTALL APS  
DRILL EXISTING HANDHOLE

NORTHEAST CORNER



**REMOVAL AND RELOCATION NOTES:**

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

4 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

TS 1345  
EAGLE 3F

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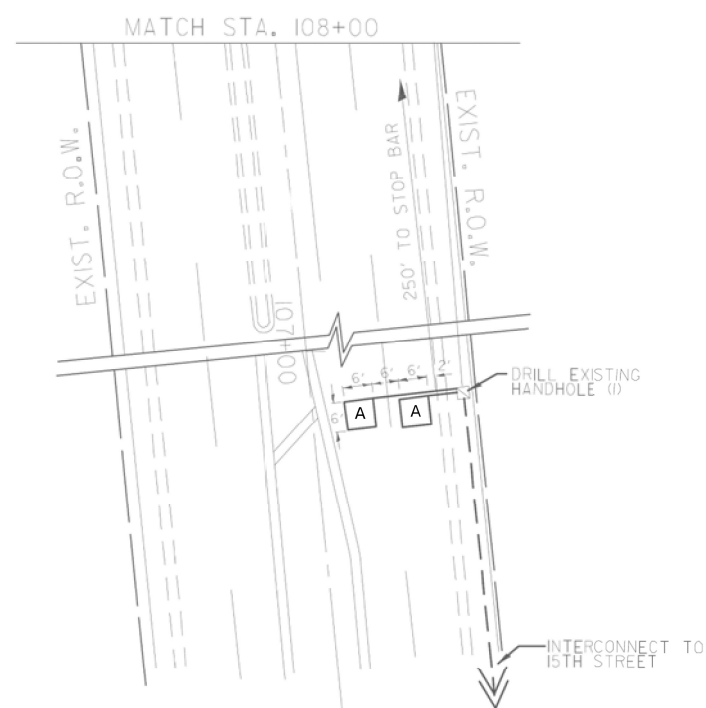
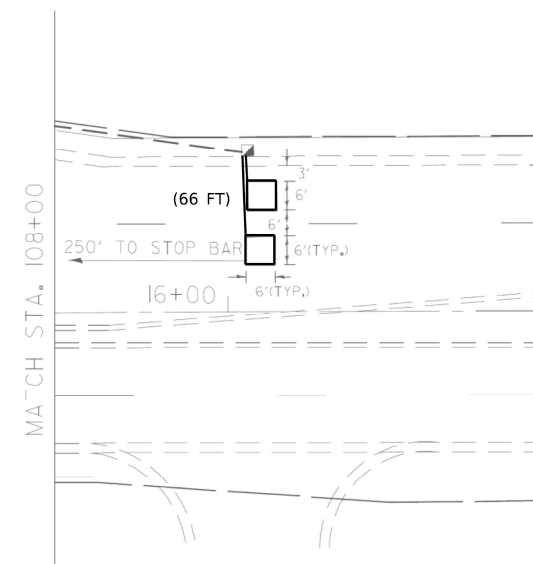
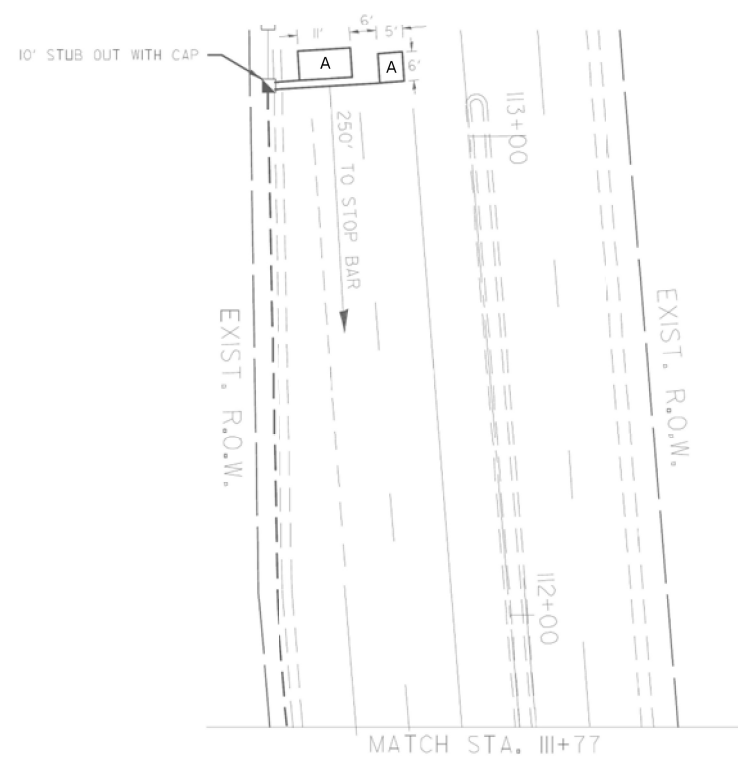
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND IL ROUTE 1 (CHICAGO ROAD)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	21
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



**FOR INFORMATION ONLY**

TS 1345  
EAGLE 3F

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

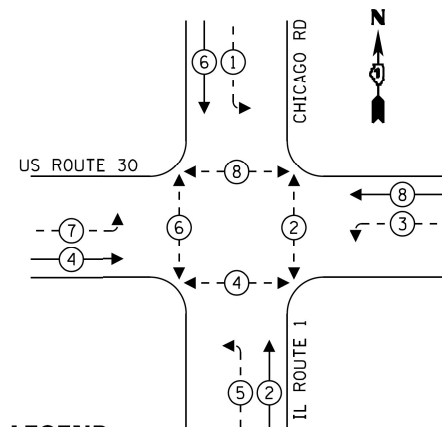
APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND IL ROUTE 1 (CHICAGO ROAD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	22
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

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

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

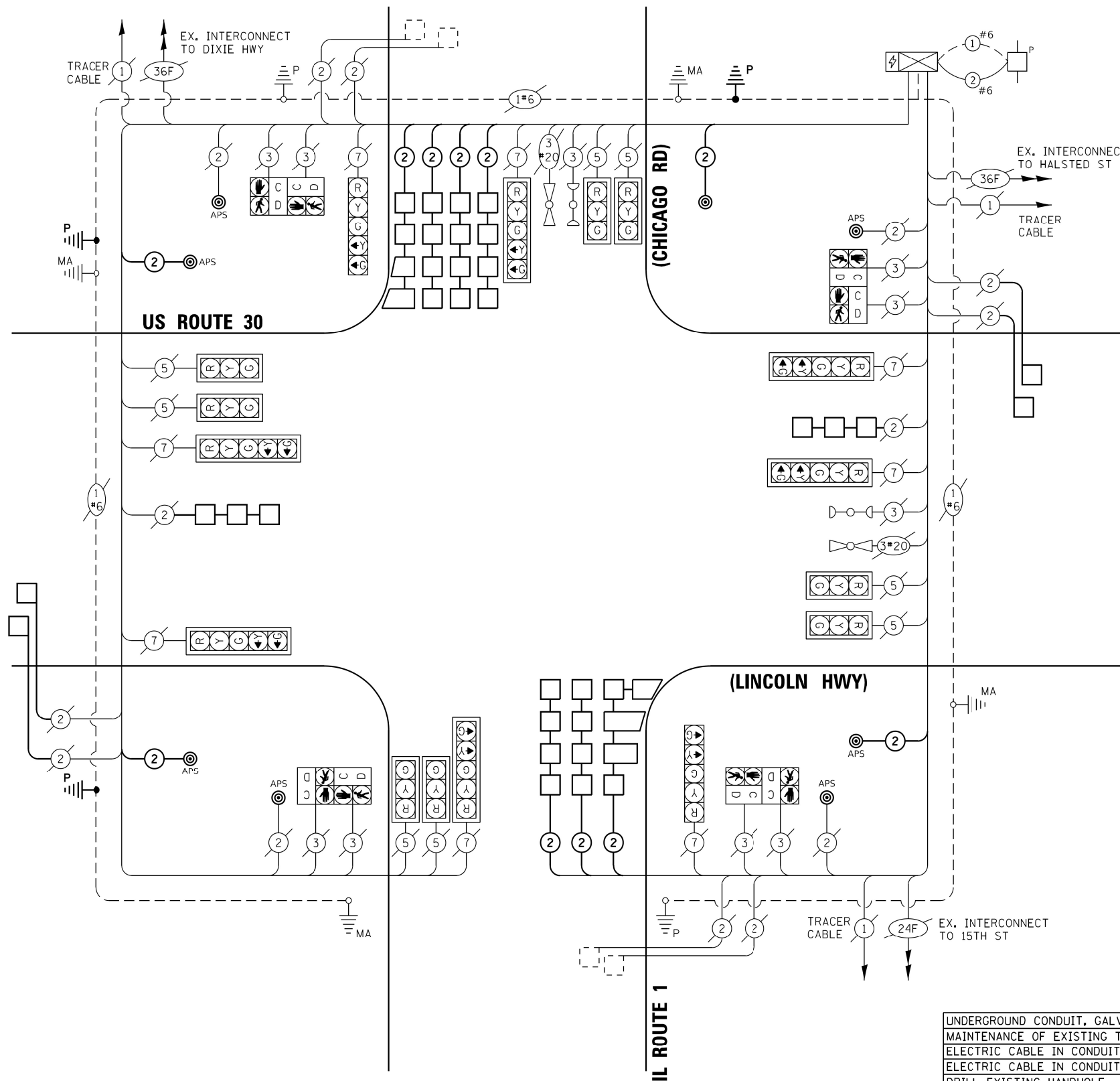
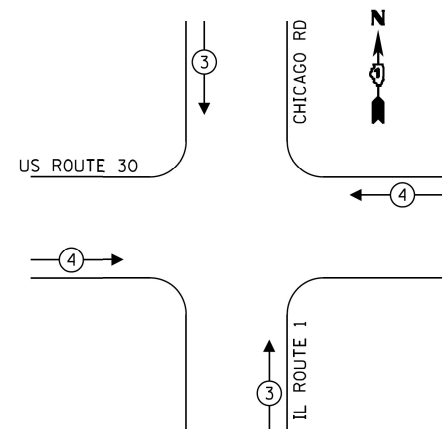
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	33
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	616
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	53
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	1427
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	10	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>411.4</b>

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/12/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

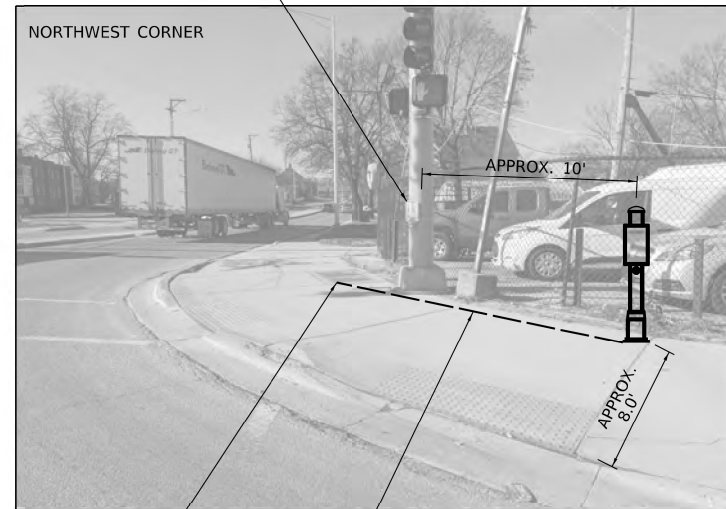
**TRAFFIC SIGNAL CABLE PLAN**  
**US ROUTE 30 (LINCOLN HIGHWAY) AND IL ROUTE 1 (CHICAGO ROAD)**  
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 353	SECTION FAP 353 22 R5	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

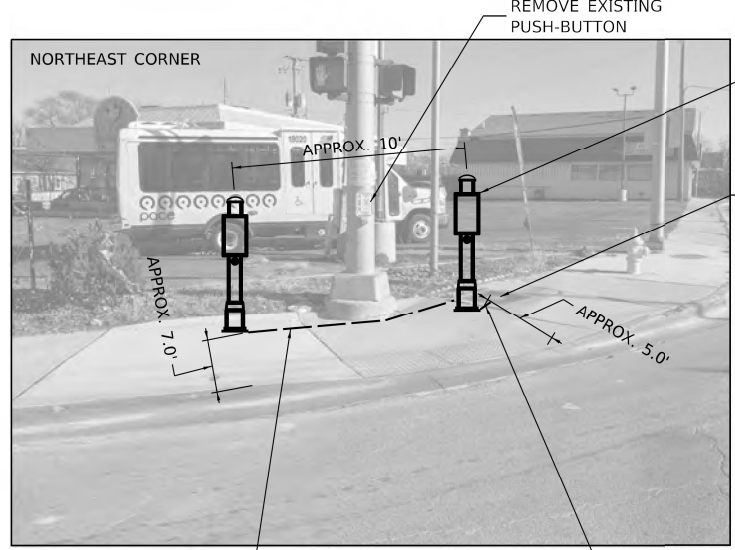
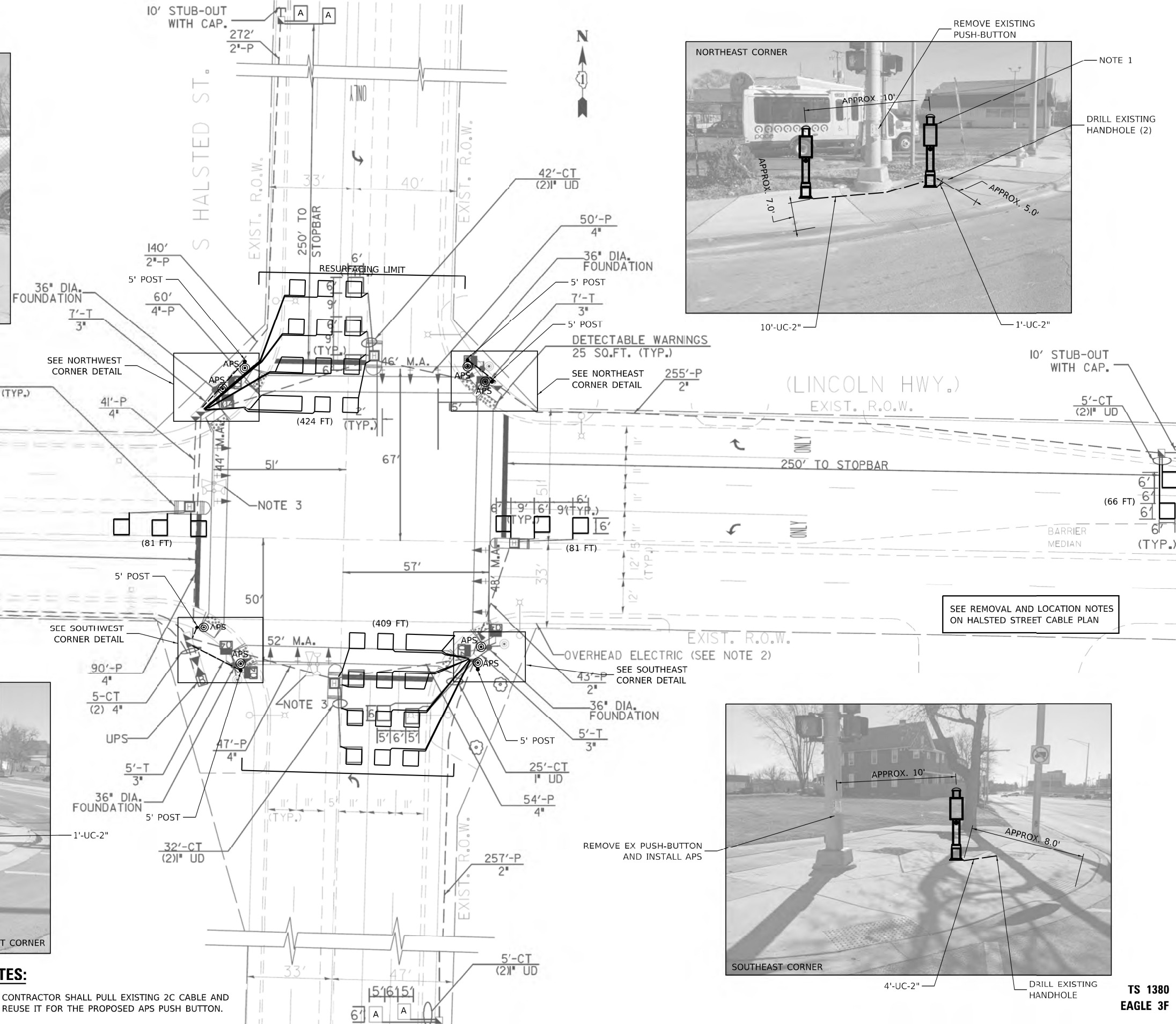
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EAGLE 3F**

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REMOVE EX PUSH-BUTTON AND INSTALL APS



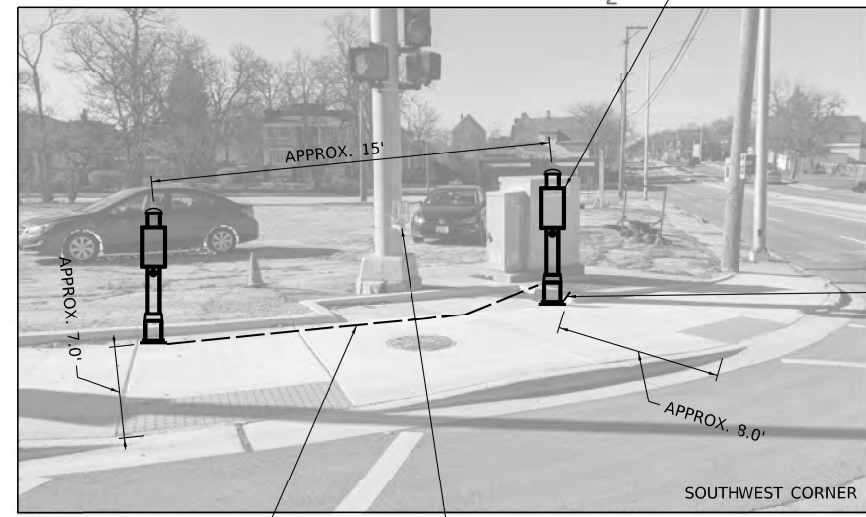
DRILL EXISTING HANDHOLE  
15'-UC-2"



APPROX. 10'  
APPROX. 7.0'  
APPROX. 5.0'

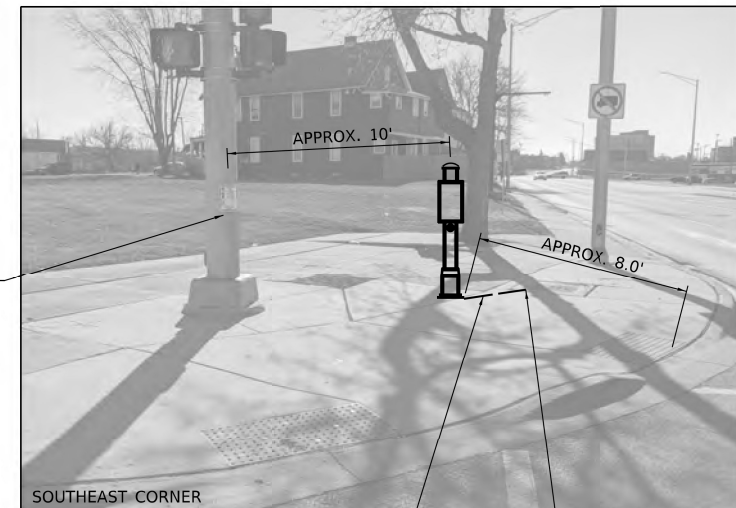
REMOVE EXISTING PUSH-BUTTON

NOTE 1  
DRILL EXISTING HANDHOLE (2)



APPROX. 15'  
APPROX. 7.0'  
APPROX. 8.0'  
18'-UC-2"

REMOVE EXISTING PUSH-BUTTON



APPROX. 10'  
APPROX. 8.0'  
4'-UC-2"

REMOVE EX PUSH-BUTTON AND INSTALL APS

DRILL EXISTING HANDHOLE

- NOTES:**
- 1. CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND HALSTED STREET

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

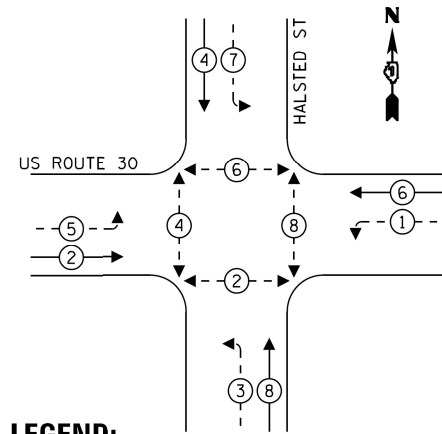
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	24
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

TS 1380  
EAGLE 3F

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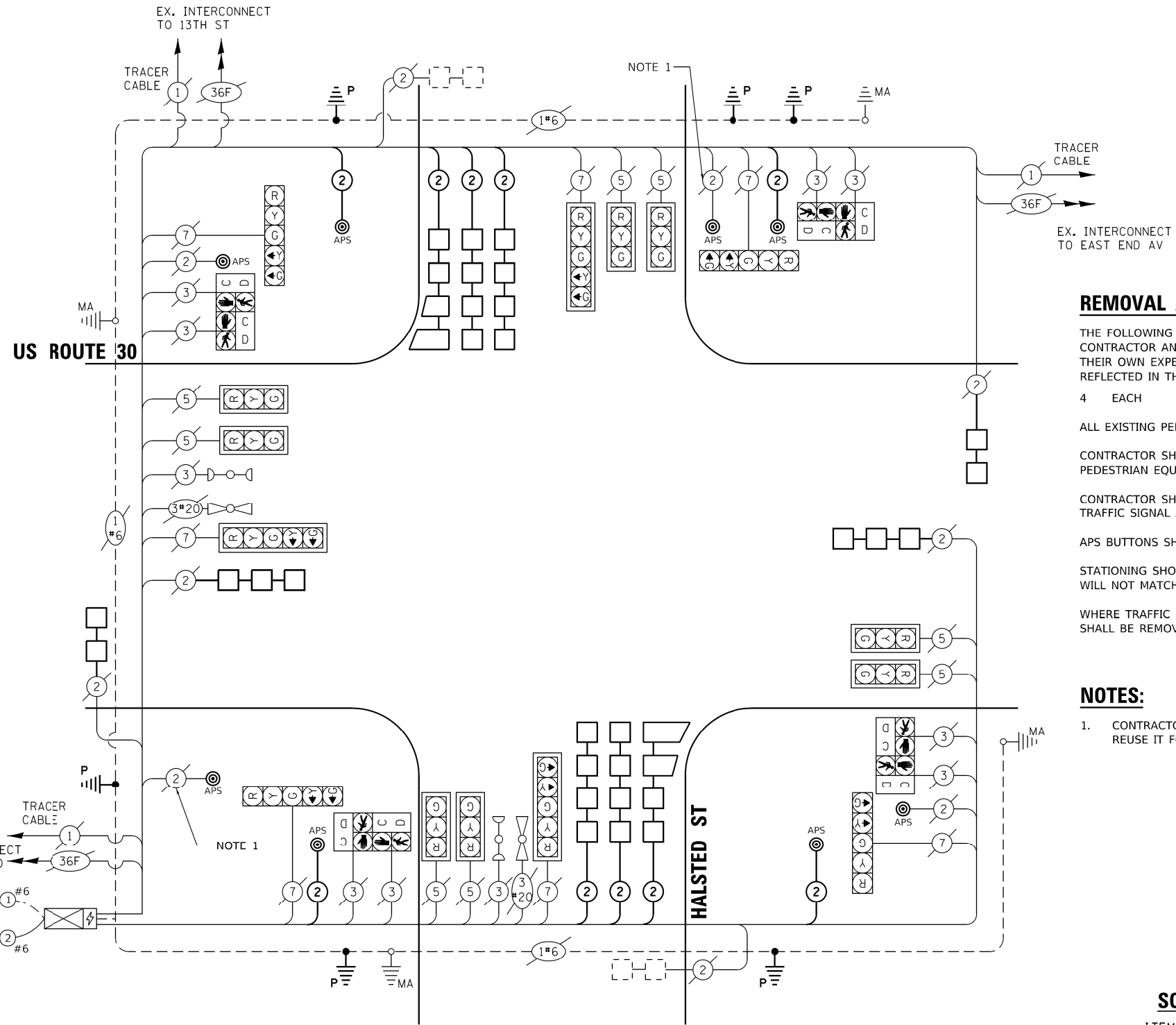
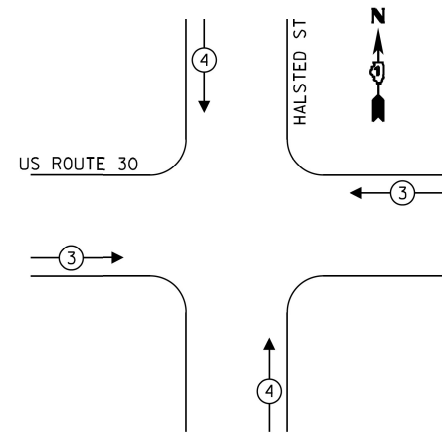
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**REMOVAL AND RELOCATION NOTES:**

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

4 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

**NOTES:**

1. CONTRACTOR SHALL PULL EXISTING 2C CABLE AND REUSE IT FOR THE PROPOSED APS PUSH BUTTON.

**CABLE PLAN**

(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	67
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	581
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	106
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	1127
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	33
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

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	14	10	10	14.0
PED. SIGNAL	8	10	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>397.5</b>

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/12/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND HALSTED STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	25
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

**TS 1380  
EAGLE 3F**

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DATE: 5/12/2023

**REMOVAL AND RELOCATION NOTES:**

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

4 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

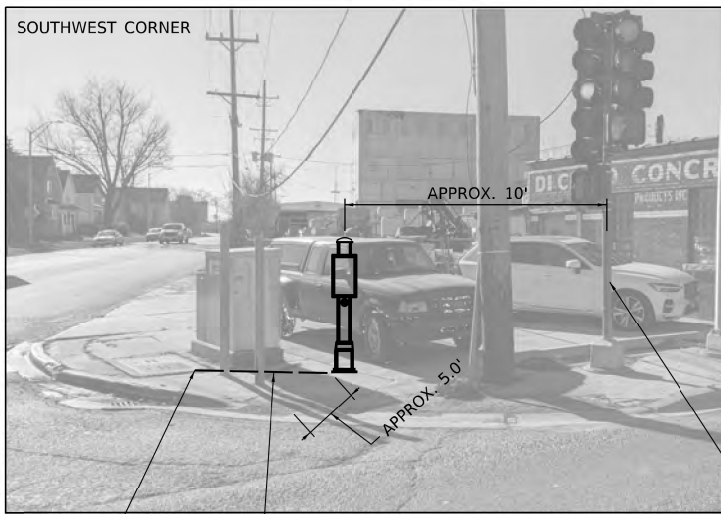
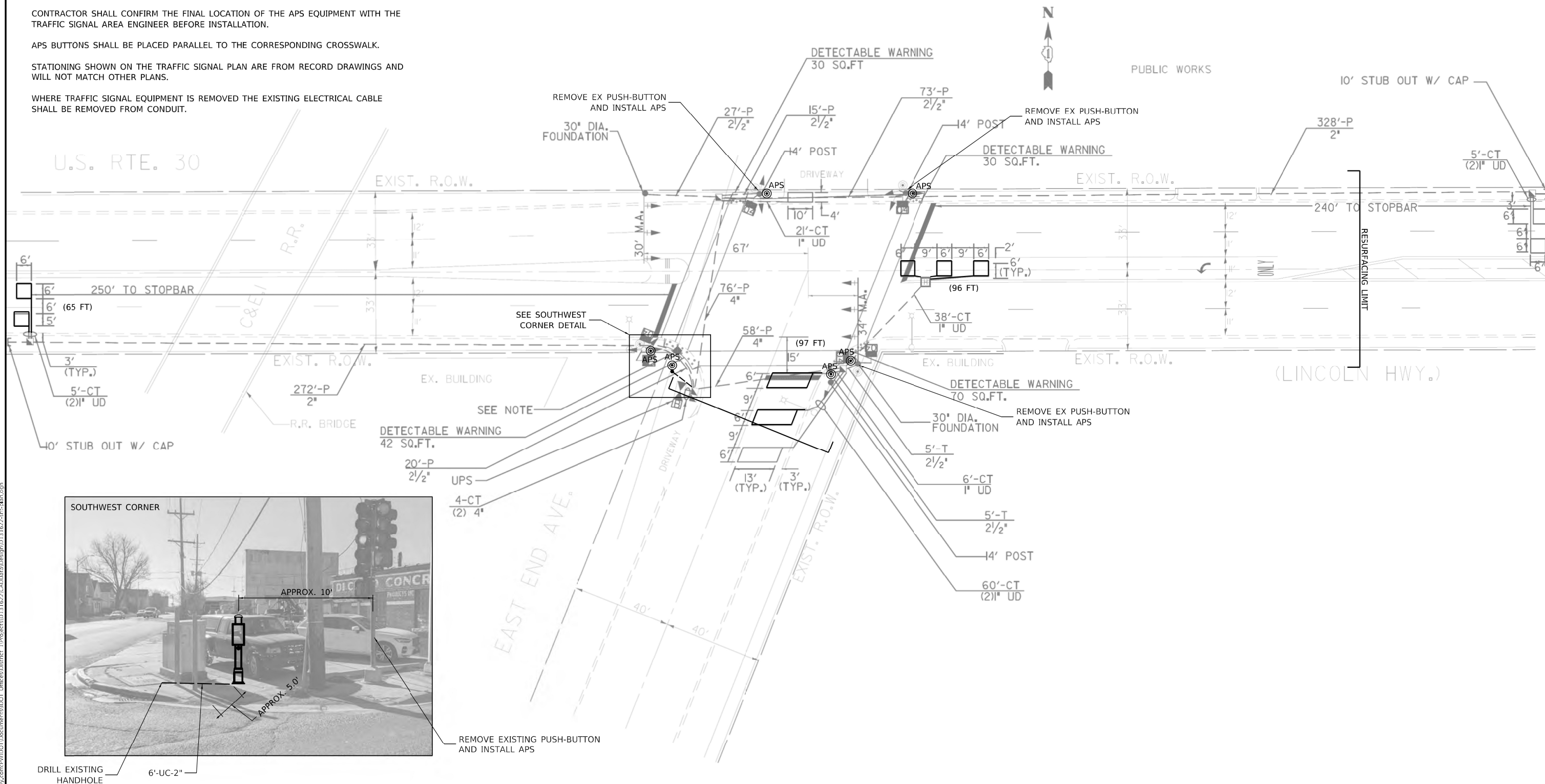
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



SOUTHWEST CORNER  
DRILL EXISTING HANDHOLE 6"-UC-2"

TS 4350  
EAGLE 3F

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

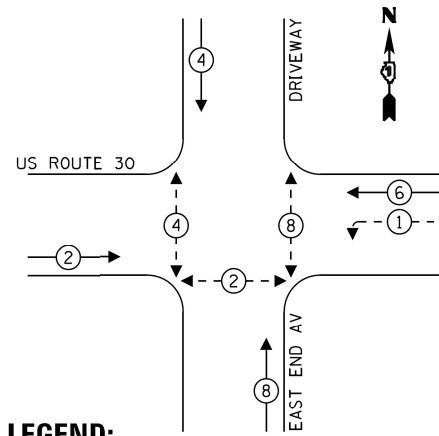
**APS AND DETECTOR LOOP INSTALLATION PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND EAST END AVENUE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	26
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

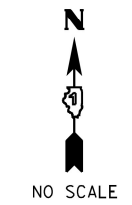
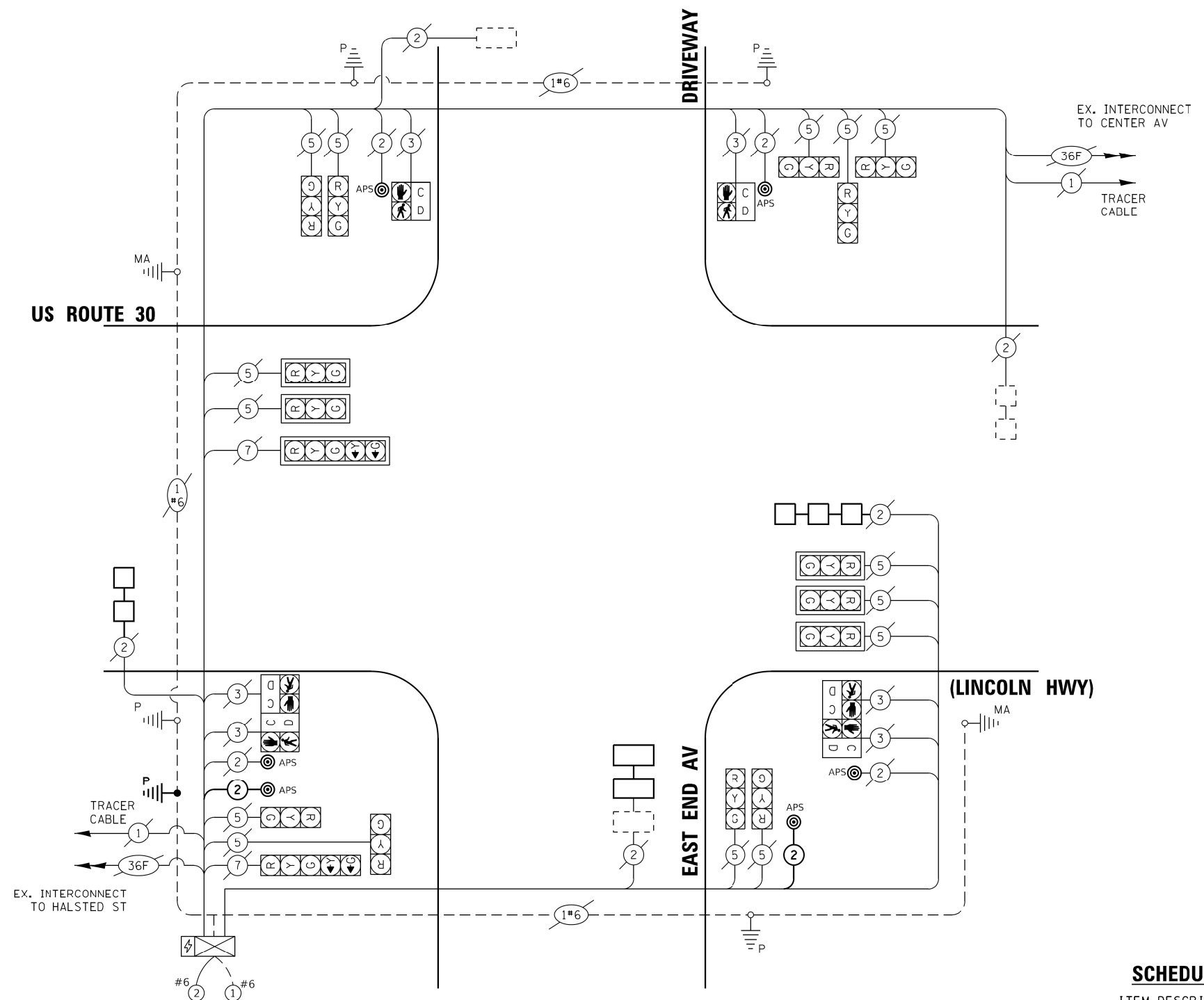
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**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	150
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	16
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	258
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	6	10	100	60.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>293.0</b>

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT: -  
PHONE: 708-410-5069  
COMPANY: COM. EDISON

**TS 4350**  
**EAGLE 3F**

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PLOT DATE = 5/12/2023	CHECKED -	REVISED -
	DATE -	REVISED -

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

**TRAFFIC SIGNAL CABLE PLAN**  
**US ROUTE 30 (LINCOLN HIGHWAY) AND EAST END AVENUE**

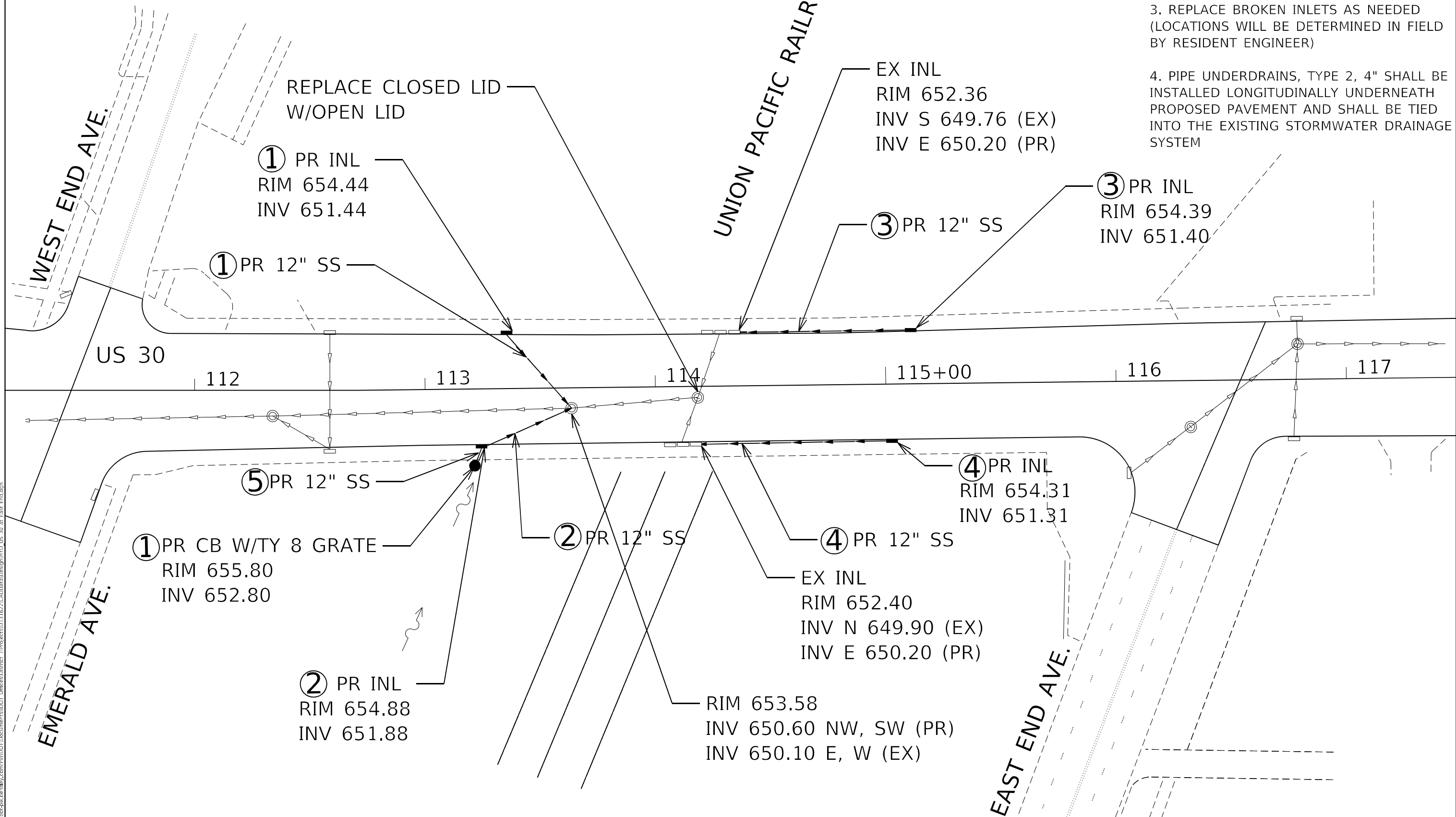
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	27
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

ELEVATIONS, INCLUDING RIMS AND EXISTING INVERTS, BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO VERIFY BEFORE CONSTRUCTION AND ORDERING OF MATERIALS.



1. CLEAN ALL STRUCTURES & LATERALS BTW WEST END AVE & EAST END AVE
2. CLEAN AND TELEWISE MAINLINE SEWER FROM 112+34 TO 114+19
3. REPLACE BROKEN INLETS AS NEEDED (LOCATIONS WILL BE DETERMINED IN FIELD BY RESIDENT ENGINEER)
4. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED LONGITUDINALLY UNDERNEATH PROPOSED PAVEMENT AND SHALL BE TIED INTO THE EXISTING STORMWATER DRAINAGE SYSTEM



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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE IMPROVEMENTS  
US 30 (HILLTOP AVE TO LOWE AVE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	28
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

CATCH BASIN & INLET SCHEDULE							
CO.	STRUCTURE NUMBER	STA	O/S	RIM	INV	60200805	60237460
						CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	INLETS, TYPE A, TYPE 23 FRAME AND GRATE
						EACH	EACH
COOK	CB - 1	113+22	33.3' RT	655.80	652.80	1	
	INL - 1	113+36	24.3' LT	654.44	651.44		1
	INL - 2	113+25	25.0' RT	654.88	651.88		1
	INL - 3	115+12	23.4' LT	654.39	651.40		1
	INL - 4	115+03	24.7' RT	654.31	651.31		1
TOTAL						1	4

STORM SEWER SCHEDULE									
CO.	PIPE NUMBER	STA	TO	STA	O/S	US INV	DS INV	20800150	550A0050
								TRENCH BACKFILL	STORM SEWERS, CLASS A, TYPE 1 12"
								CU YD	FOOT
COOK	SS - 1	113+36		113+64	LT	651.44	650.60	14.7	43
	SS - 2	113+25		113+64	RT	651.88	650.60	14	41
	SS - 3	115+12		114+35	LT	651.40	650.20	24.6	72
	SS - 4	115+03		114+18	RT	651.31	650.20	27.6	81
	SS - 5	113+22		113+25	RT	652.80	651.88	3.1	9
TOTAL								84	246

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	DRAWN -	REVISED -
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PLOT DATE =	DATE -	REVISED -

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

DRAINAGE SCHEDULE			
US 30 (HILLTOP AVE TO LOWE AVE)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

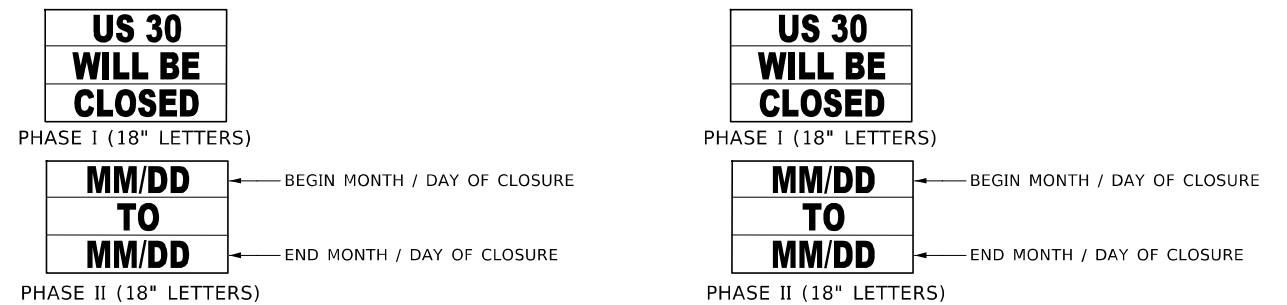
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	29
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL DETOUR GENERAL NOTES**

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-21 AND APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022, THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. ALL DETOUR SIGNING SHALL BE POST MOUNTED IN ACCORDANCE WITH ARTICLE 701.14 AND STANDARD 701901 EXCEPT AS OTHERWISE INDICATED ON THE PLANS.
3. THE FOLLOWING AGENCIES SHALL BE NOTIFIED A MINIMUM OF 7 CALENDAR DAYS OF THE ROAD CLOSURE
  - COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
  - CITY OF CHICAGO HEIGHTS
  - ILLINOIS STATE POLICE
4. THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE THE ROADWAY UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND APPROVED BY THE ENGINEER.
5. THE CONTRACTOR SHALL MAKE ALL CHANGES IN THE SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER. LOCATION OF SIGNS MAY VARY DUE TO FIELD CONDITIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL BARRICADES, SIGNS, LIGHTS, AND OTHER TRAFFIC CONTROL DEVICES INSTALLED THAT ARE IN PLACE AND OPERATING FOR THE DURATION OF THIS DETOUR.
7. ALL DETOUR SIGNING DESIGNATED WITH "(O)" IN THE SIGN CODE OR WITH "(BLACK/ORANGE)" WITHIN PLAN NOTES SHALL HAVE BLACK LEGENDS ON ORANGE HIGH INTENSITY BACKGROUNDS AND STANDARD BLACK BORDERS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION.
8. THE SIZES OF ALL SIGNS AND LETTER HEIGHTS NOT SPECIFIED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
9. TYPE III BARRICADES, AND THEIR APPLICATION, SHALL CONFORM TO HIGHWAY STANDARD 701901.
10. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES OR WITHIN THE CLEAR ZONE AT ANY TIME. ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
11. TEMPORARY TRAFFIC SIGNAL TIMINGS SHALL BE PROVIDED AT THE FOLLOWING INTERSECTIONS WHILE THE DETOUR IS IN EFFECT:
  - US 30 (LINCOLN HIGHWAY) / HALSTED STREET
  - US 30 (LINCOLN HIGHWAY) / STATE STREET
  - HALSTED STREET / JOE ORR ROAD
  - STATE STREET / JOE ORR ROAD
12. DETOUR SIGNAGE SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY TRAFFIC CONTROL AND PROTECTION (SPECIAL), EXCEPT AS OTHERWISE NOTED.
13. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
14. SEE DISTRICT ONE DETAIL TC-21 FOR TYPICAL SIGN SPACING UNLESS OTHERWISE NOTED ON THE DETOUR PLAN.
15. LOCAL ACCESS SHALL BE PROVIDED AT ALL TIMES TO RESIDENTS AND BUSINESSES.

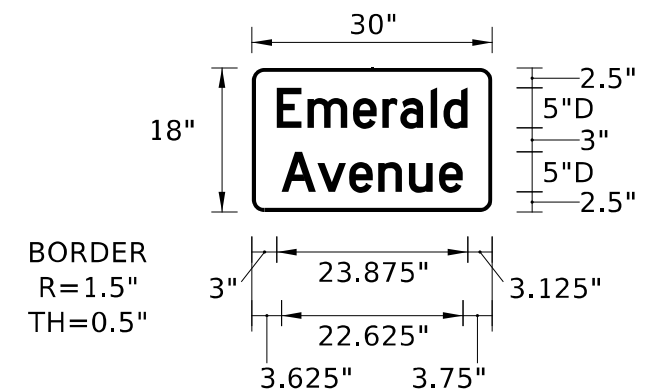
16. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL DISPLAY THE MESSAGE SHOWN IN THE SIGN LEGEND. TWO PHASES SHALL BE USED. EACH PHASE SHALL BE DISPLAYED FOR 3 SECONDS WITH A MAXIMUM CYCLE OF 6 SECONDS. LETTERS SHALL BE 18 INCHES HIGH AND ALL UPPER-CASE. CHANGEABLE MESSAGE SIGNS SHALL COMPLY WITH THE REQUIREMENTS IN SECTION 6F.60 OF THE 2009 MUTCD.
17. THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AT THE LOCATIONS AS INDICATED IN THE NOTE BELOW OR AS OTHERWISE DESIGNATED BY THE ENGINEER FOR A MINIMUM OF FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF THE US 30 UNDERPASS ROAD CLOSURE TO INFORM MOTORISTS OF THE UPCOMING CONSTRUCTION. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK WILL BE MEASURED AND PAID FOR SEPARATELY AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.
18. SIGNS SHALL DISPLAY THE FOLLOWING MESSAGES A MINIMUM OF FOURTEEN (14) CALENDAR DAYS PRIOR TO THE ROAD CLOSURE.
 

PORTABLE CHANGEABLE MESSAGE SIGN EASTBOUND US 30 / LINCOLN HIGHWAY LOCATED AT STA 101+00 (~700 FEET WEST OF HALSTED STREET)	PORTABLE CHANGEABLE MESSAGE SIGN WESTBOUND US 30 / LINCOLN HIGHWAY LOCATED AT STA 117+50 (~50 FEET EAST OF EAST END AVENUE)
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19. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS (TAPE AND/OR EPOXY, PAINT, MODIFIED URETHANE, POLYUREA, THERMOPLASTIC, ETC.) SHALL BE COVERED WITH BLACKOUT TAPE. THIS WORK SHALL BE PAID FOR SEPARATELY AS PAVEMENT MARKING BLACKOUT TAPE OF THE LINE WIDTH SPECIFIED.
20. THE CONTRACTOR SHALL SUBMIT AN IDOT OPER 2410 FORM TO THE IDOT CENTRAL BUREAU OF OPERATIONS VIA DOT.ROADINFO@ILLINOIS.GOV NOTING THE FULL CLOSURE ON US 30 BETWEEN WEST END AVENUE AND EAST END AVENUE AT LEAST 21 DAYS PRIOR TO THE ACTUAL RESTRICTION BECOMING EFFECTIVE. REVISED OPER 2410 FORMS MUST BE SUBMITTED AS NECESSARY FOR THE ENTIRE CONTRACT DURATION. IF THERE ARE ANY QUESTIONS OR ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT MICHAEL OLSON WITH THE BUREAU OF OPERATIONS AT (217) 782-8551. THE LATEST OPER 2410 FORM CAN BE OBTAINED FROM THE IDOT WEBSITE.
21. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL COMPLETION OF THE PROJECT CONTRACT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
22. THE CONTRACTOR IS TO MAINTAIN FULL ACCESS TO THE SIDEWALK ON ONE SIDE OF THE ROADWAY AT ALL TIMES. EXISTING CROSSWALKS ARE TO BE MAINTAINED THROUGH THE USE OF EXISTING OR TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY SIDEWALK AS REQUIRED.

**SPECIAL\*(O)-3018 SIGN PANEL DETAIL**



"EMERALD AVENUE" SPECIAL SIGN WILL BE MEASURED AND PAID FOR SEPARATELY AT THE CONTRACT UNIT COST PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

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PLOT DATE = 6/30/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>US 30 FULL CLOSURE DETOUR GENERAL NOTES</b>	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	30
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				

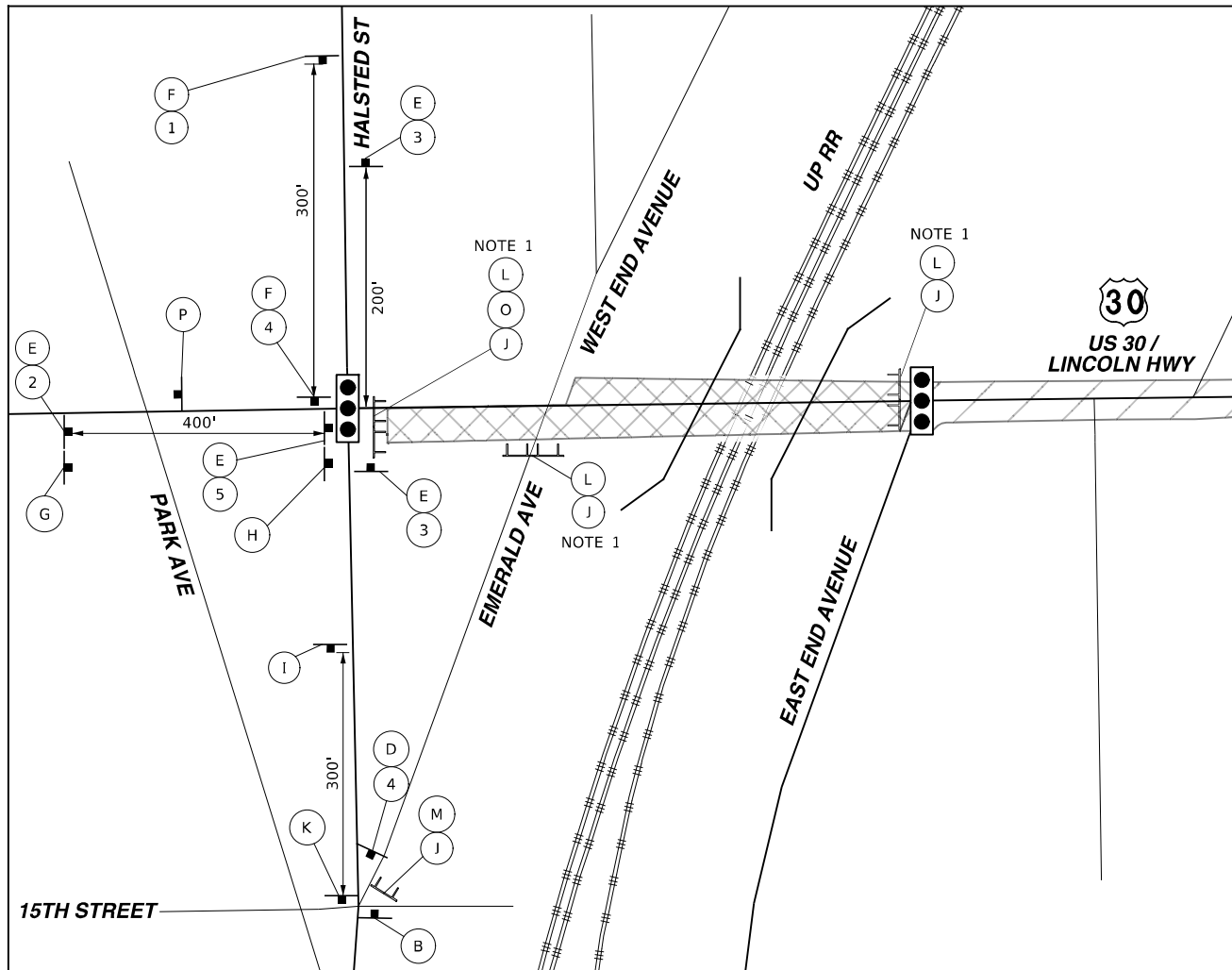
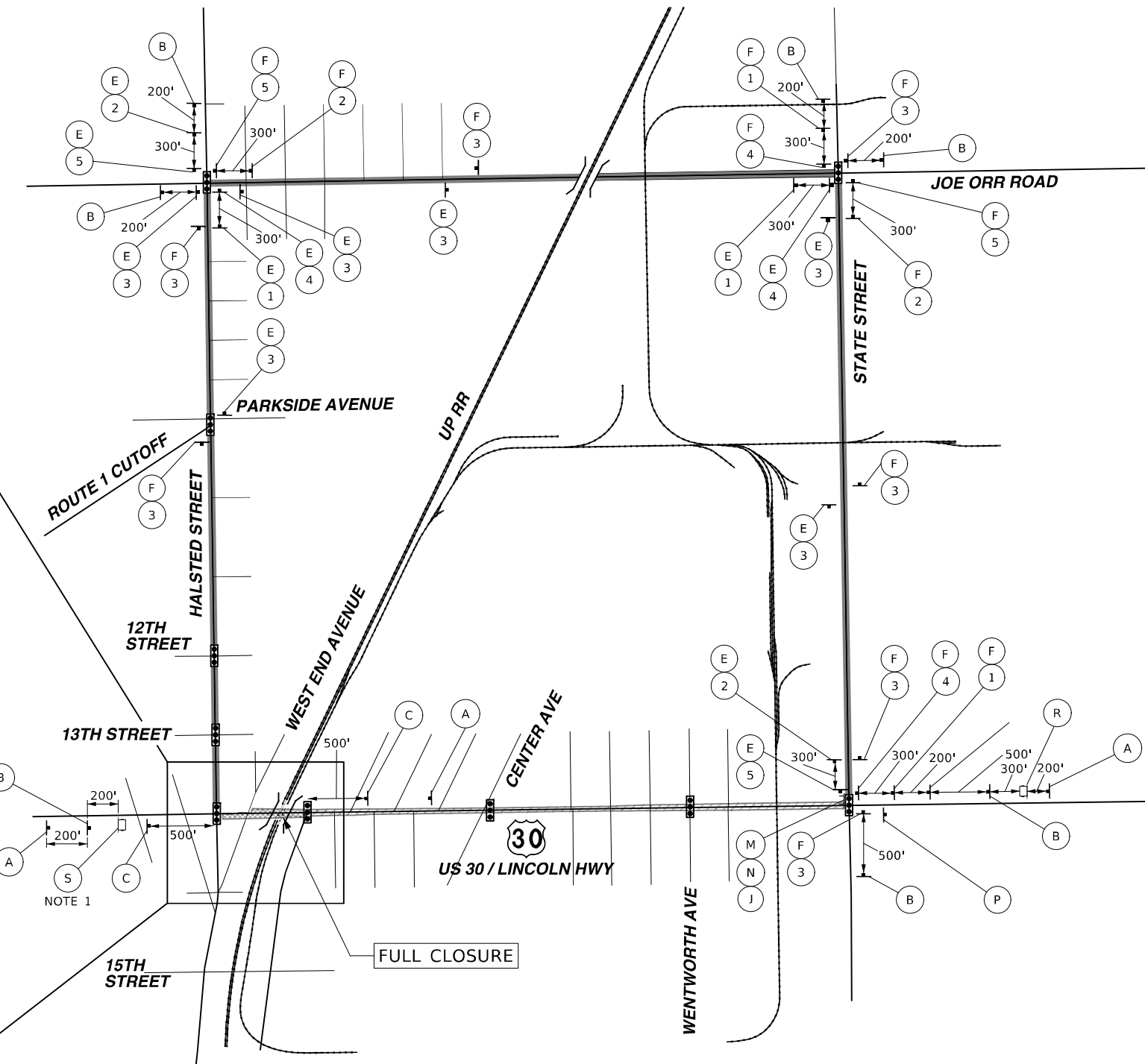
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A  W20-3(O)-48	B  W20-2(O)-48	C  W20-3(O)-48	D  M4-8(O)-2412 M4-5(O)-2412 M1-4-24 ARROW PANEL AS INDICATED	E  M4-8(O)-2412 M3-2-2412 M1-4-24 ARROW PANEL AS INDICATED	F  M4-8(O)-2412 M3-4-2412 M1-4-24 ARROW PANEL AS INDICATED	G  M3-3-2412 SPECIAL*(O)-3018 M4-9R(O)-3024	H  M3-3-2412 SPECIAL*(O)-3018 M4-9R(O)-3024	I  M3-3-2412 SPECIAL*(O)-3018 M4-9L(O)-3024
* SEE SPECIAL SIGN PANEL DETAIL ON PREVIOUS SHEET.								
J  TYPE III BARRICADE**	K  M3-3-2412 SPECIAL*(O)-3018 M4-9L(O)-3024	L  R11-2-4830	M  R11-4-6030	N  M4-10R(O)-4818	O  M4-10L(O)-4818	P  M4-8a(O)-2418	R  PHASE I (18" LETTERS) PORTABLE CHANGEABLE MESSAGE SIGN	S  PHASE I (18" LETTERS) PORTABLE CHANGEABLE MESSAGE SIGN

**ARROW PANEL LEGEND**

1  M5-1R-2115	2  M5-1L-2115	3  M6-3-2115
4  M6-1-2115	5  M6-2-2115	

\*\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.



NOTE 1: SEE MAINTENANCE OF TRAFFIC PLAN FOR DETOUR SIGN DETAIL PLACEMENT.

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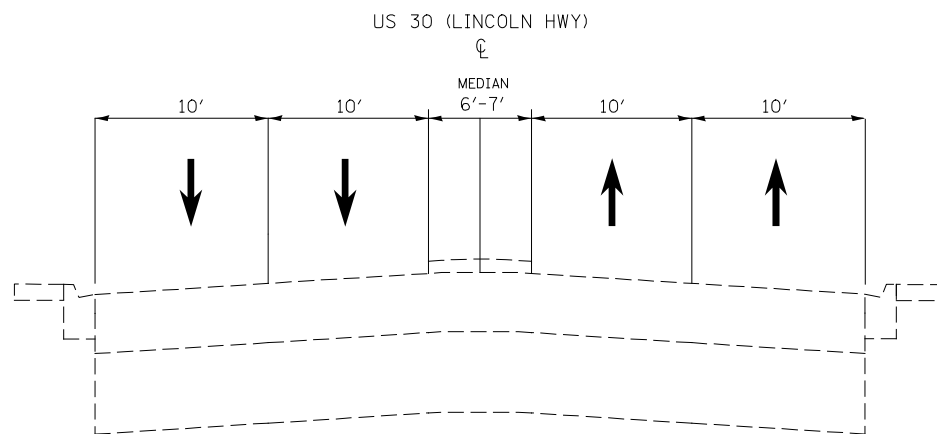
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PLOT DATE = 6/30/2023	DATE - 6/30/2023	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING FOR US 30 FULL CLOSURE  
(HALSTED STREET TO STATE STREET)**

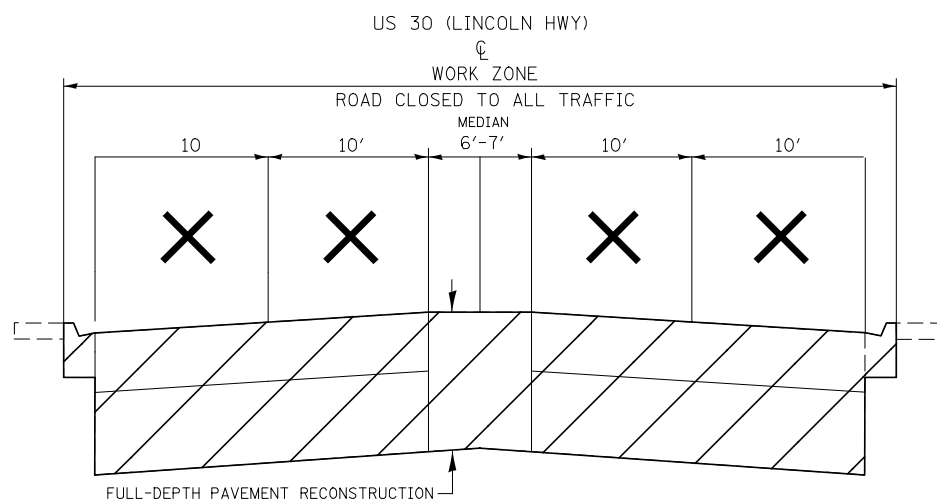
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F.A.P. RTE. 353	SECTION FAP 353 22 RS	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 31
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



US 30 (LINCOLN HWY)  
EXISTING TYPICAL  
STA 113+24 TO STA 115+85

MOT TYPICAL LEGEND



US 30 (LINCOLN HWY)  
CONSTRUCTION  
STA 113+24 TO STA 115+85

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PLOT DATE = 6/30/2023	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS  
US 30 (HILLTOP AVE TO LOWE AVE)

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	32
ILLINOIS			FED. AID PROJECT	

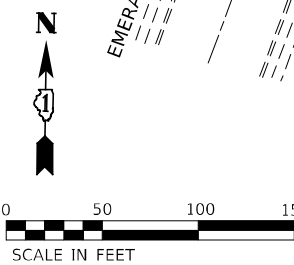
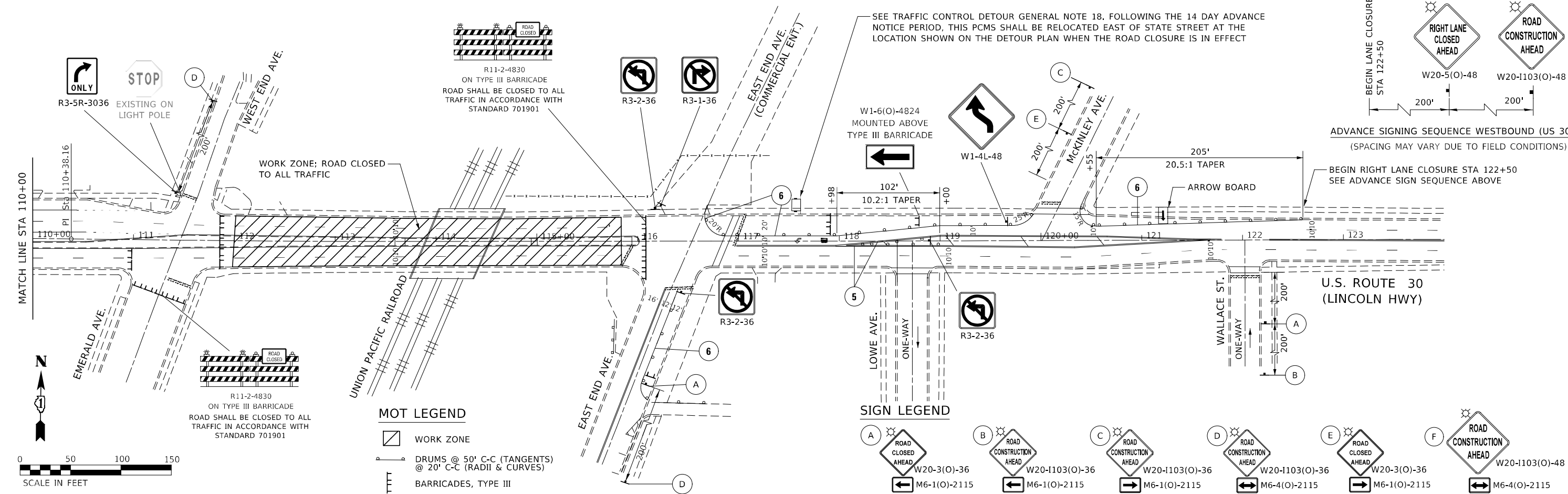
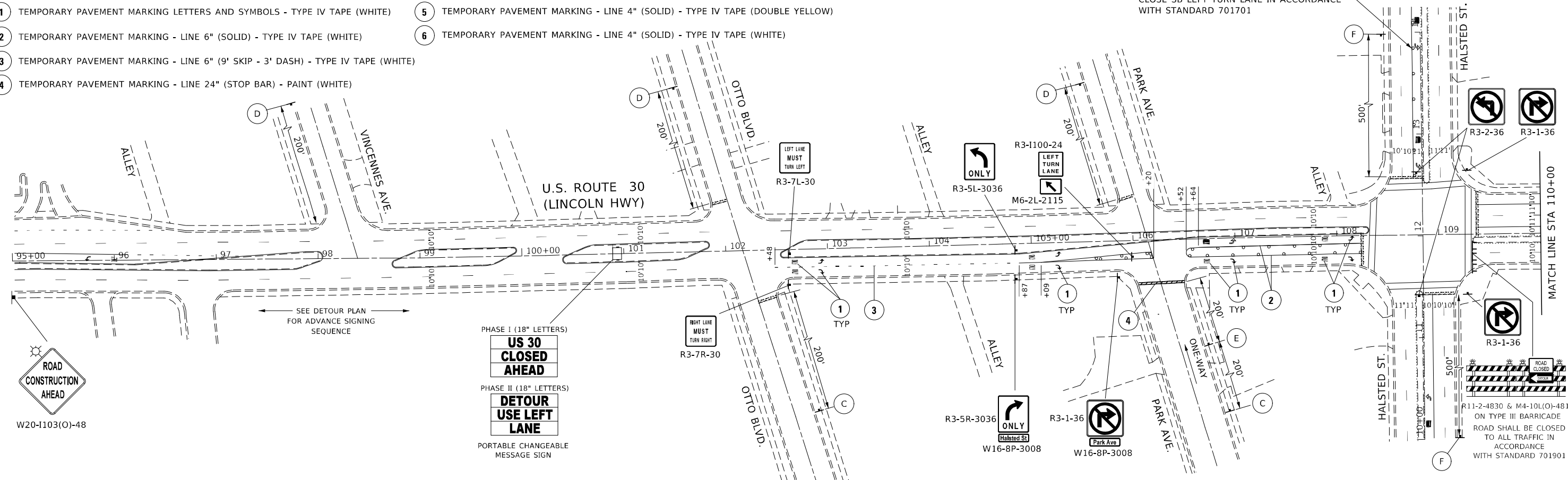
CONTRACT NO. 62U08



**PAVEMENT MARKING LEGEND**

- 1 TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - TYPE IV TAPE (WHITE)
- 2 TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID) - TYPE IV TAPE (WHITE)
- 3 TEMPORARY PAVEMENT MARKING - LINE 6" (9' SKIP - 3' DASH) - TYPE IV TAPE (WHITE)
- 4 TEMPORARY PAVEMENT MARKING - LINE 24" (STOP BAR) - PAINT (WHITE)
- 5 TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID) - TYPE IV TAPE (DOUBLE YELLOW)
- 6 TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID) - TYPE IV TAPE (WHITE)

CLOSE SB LEFT TURN LANE IN ACCORDANCE WITH STANDARD 701701



**MOT LEGEND**

- WORK ZONE
- DRUMS @ 50' C-C (TANGENTS) @ 20' C-C (RADII & CURVES)
- BARRICADES, TYPE III

**SIGN LEGEND**

- A ROAD CLOSED AHEAD W20-3(O)-36
- B ROAD CONSTRUCTION AHEAD W20-1103(O)-36
- C ROAD CONSTRUCTION AHEAD W20-1103(O)-36
- D ROAD CONSTRUCTION AHEAD W20-1103(O)-36
- E ROAD CLOSED AHEAD W20-3(O)-36
- F ROAD CONSTRUCTION AHEAD W20-1103(O)-48

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PLOT DATE =	6/30/2023

DESIGNED -	MJM
REVISIED -	MJM
CHECKED -	PAS
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DATE -	6/30/2023
REVISIED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN  
US 30 (HILLTOP AVE TO LOWE AVE)**

SCALE: AS SHOWN SHEET 1 OF 1 SHEETS STA. TO STA.

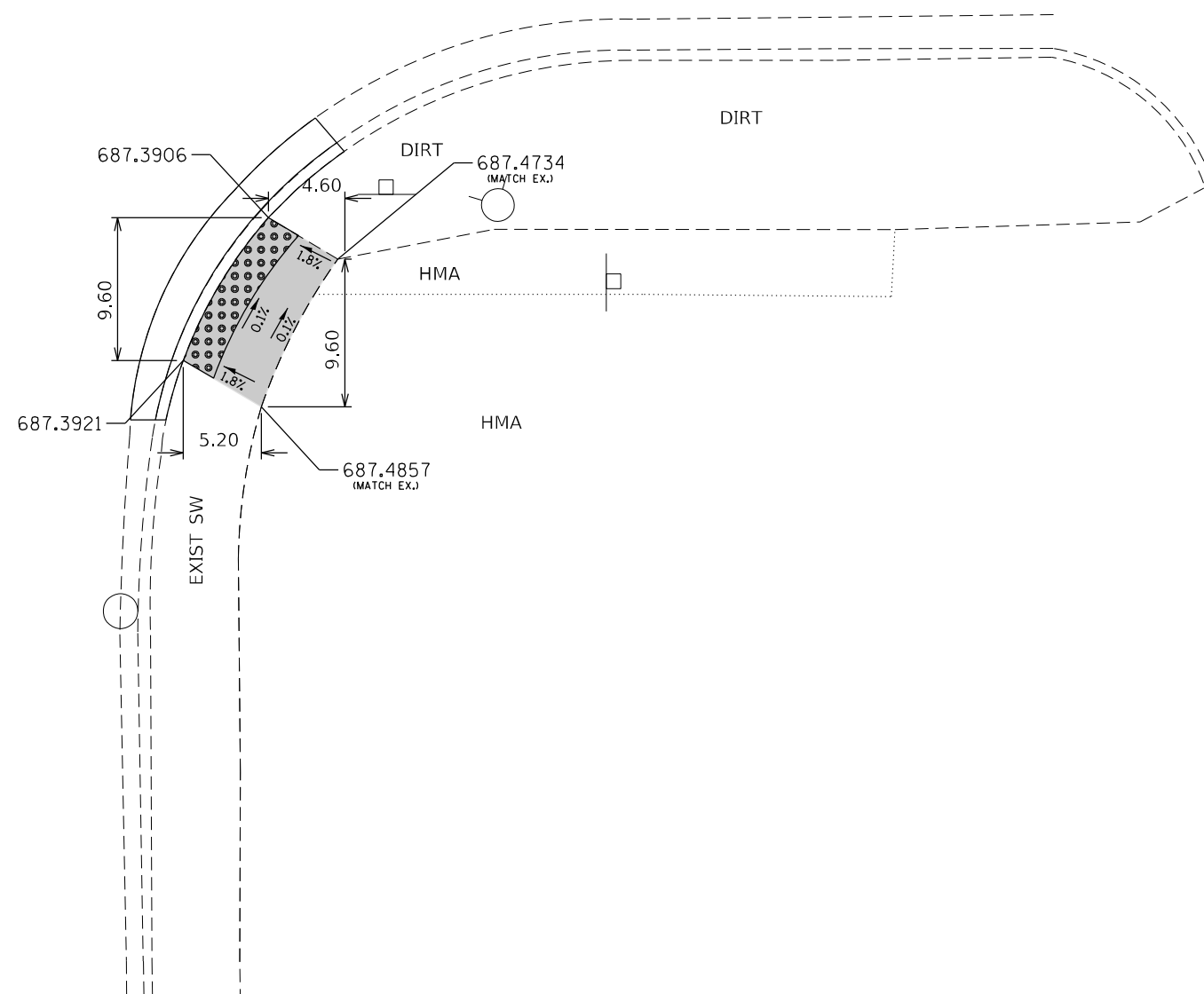
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	33
CONTRACT NO. 62U08				

ILLINOIS FED. AID PROJECT



US 30

FAIRVIEW AVE.



**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

BENCHMARK: AT NORTHWEST BOLT AT F.H AT SE CORNER OF FAIRVIEW & R.T 30

**LEGEND**

- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- EXIST. GRASS

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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PLOT DATE = 5/12/2023	DATE -	REVISED -

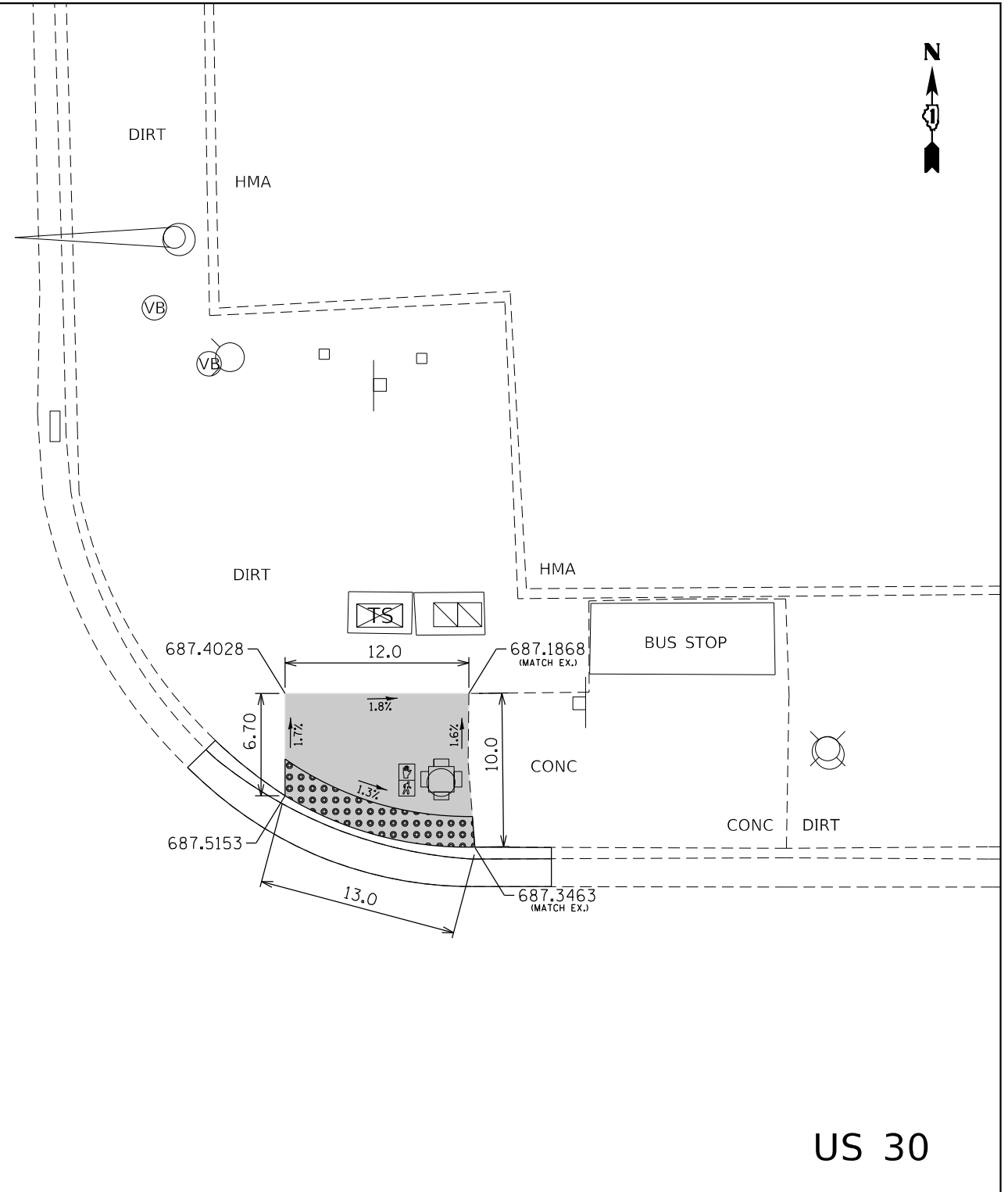
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

US 30 AND FAIRVIEW AVE  
CURB RAMP IMPROVEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	34
CONTRACT NO. 62U08			ILLINOIS FED. AID PROJECT	

# DIVISION ST



**US 30**

**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

BENCHMARK: CUT "□" IN CURB 689.657

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

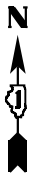
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PLOT SCALE = 9.7883' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

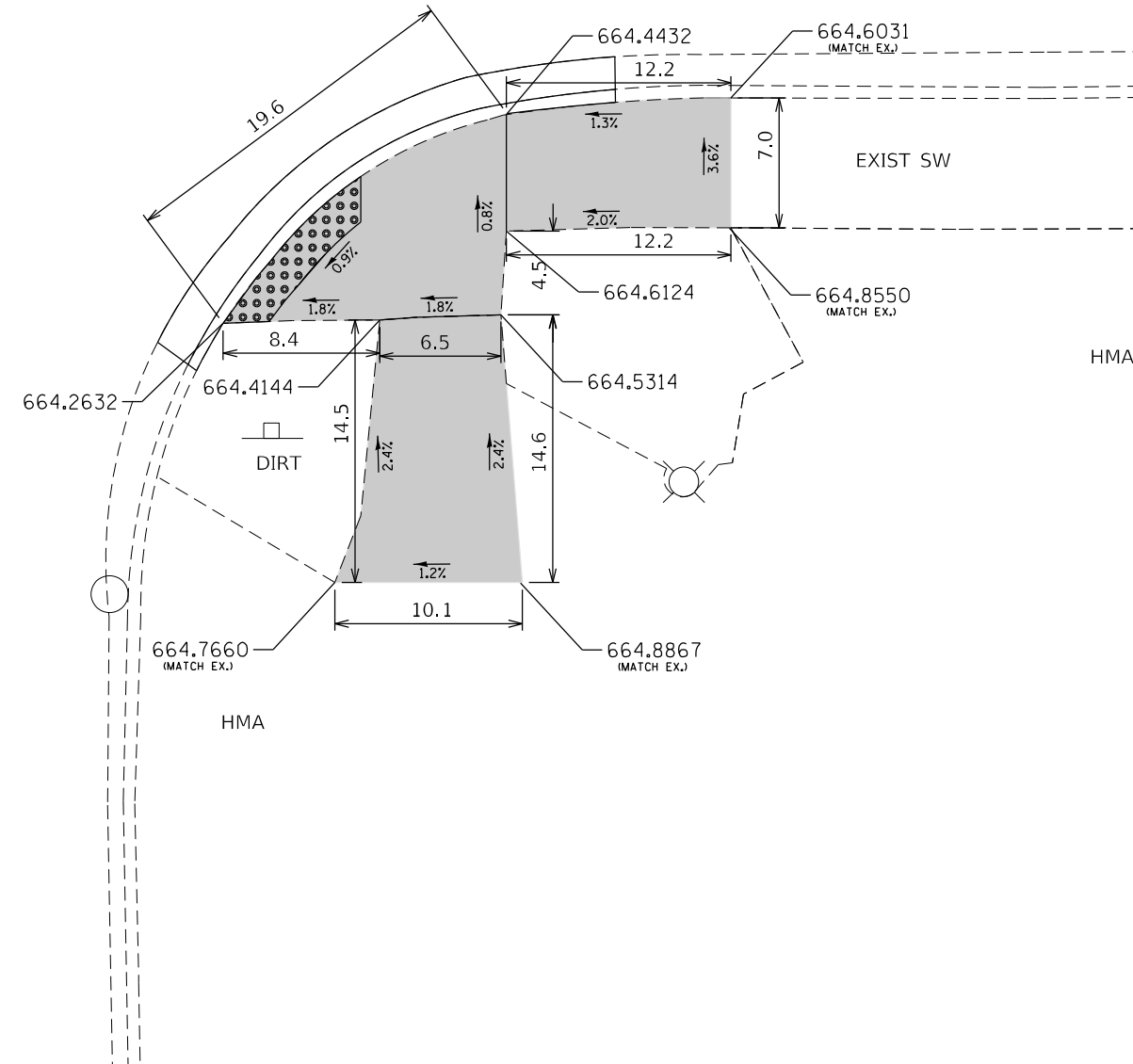
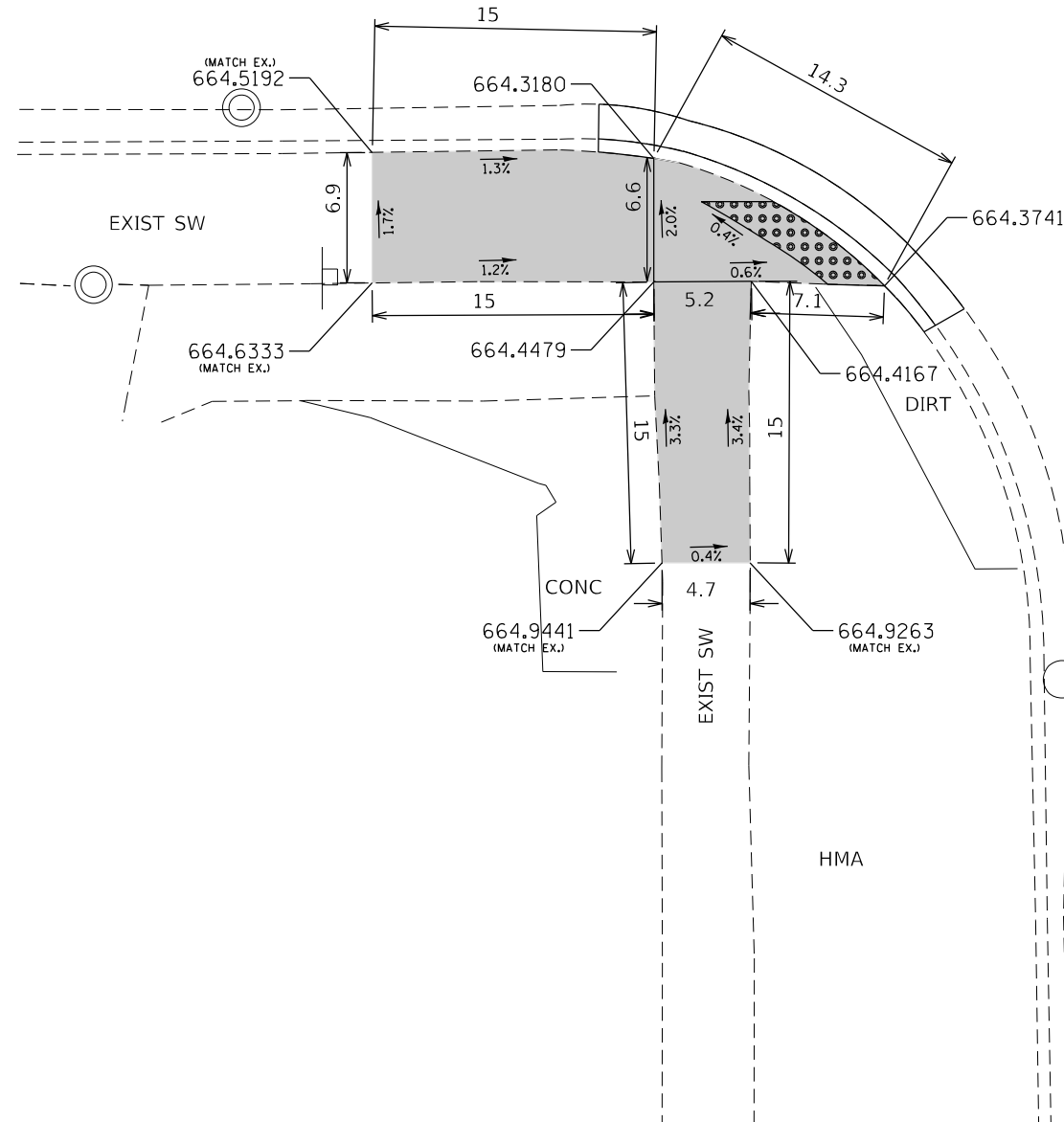
US 30 AND DIVISION AVE CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	35
CONTRACT NO. 62U08				
<small>ILLINOIS FED. AID PROJECT</small>				



US 30

WILSON AVE.



**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

BENCHMARK: BENCHMARK # 1408, ELEVATION 666.875 FT

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

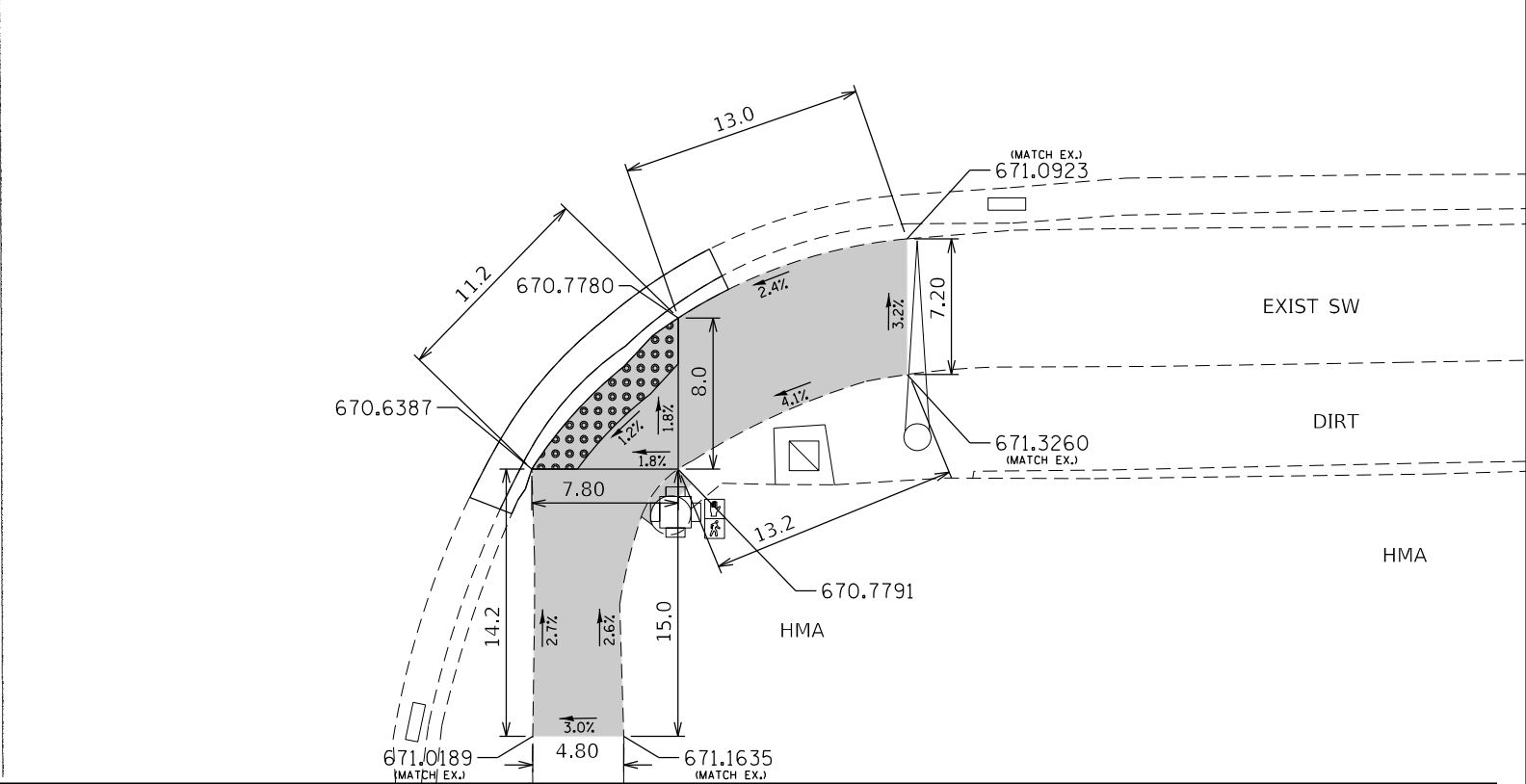
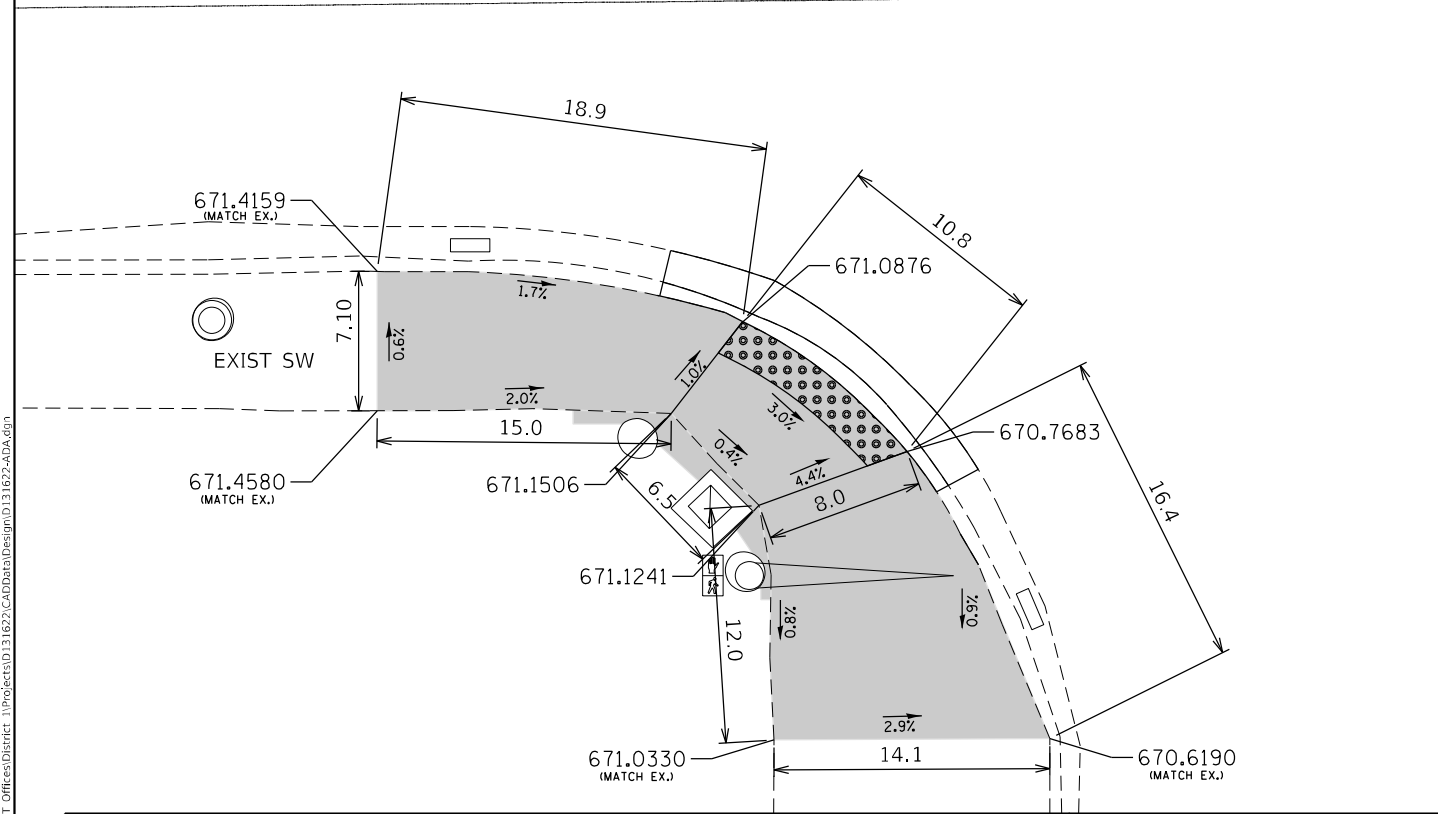
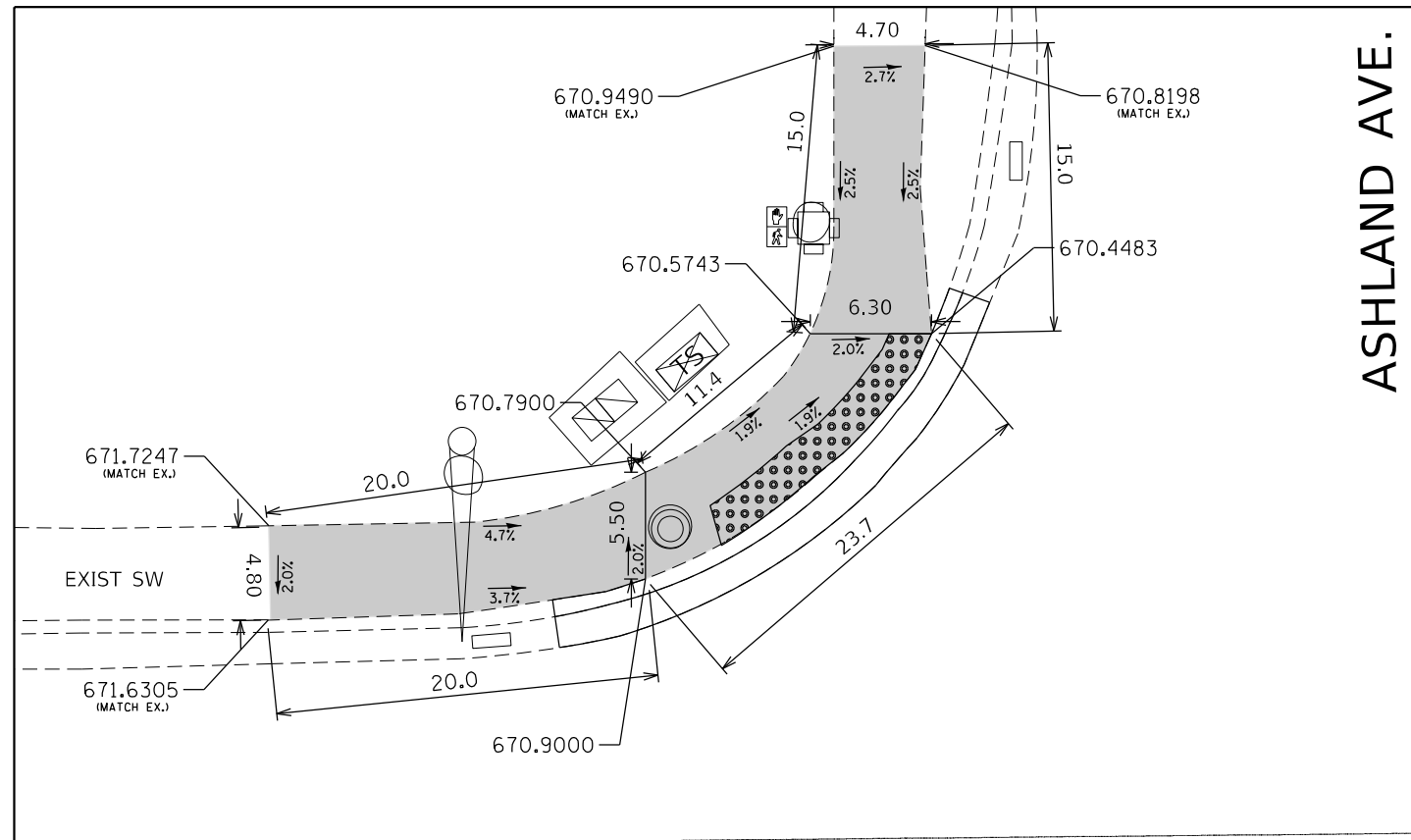
US 30 AND WILSON AVE CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 353	SECTION FAP 353 22 RS	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 36
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



ASHLAND AVE.

US 30



**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
- BENCHMARK: NORTH BOLT ON HYD = 672.246

**LEGEND**

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

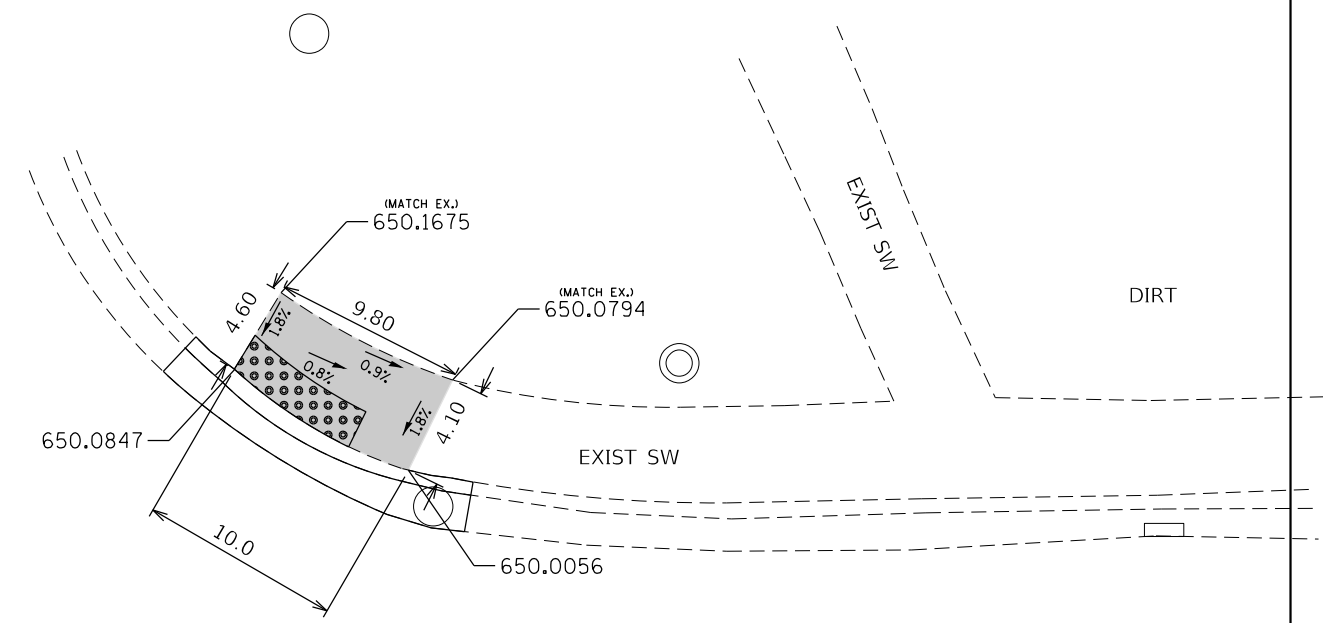
US 30 AND ASHLAND AVE CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	37
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



EDGEWOOD AVE.

US 30



**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

BENCHMARK: NORTH BOLT ON HYD. 652.758

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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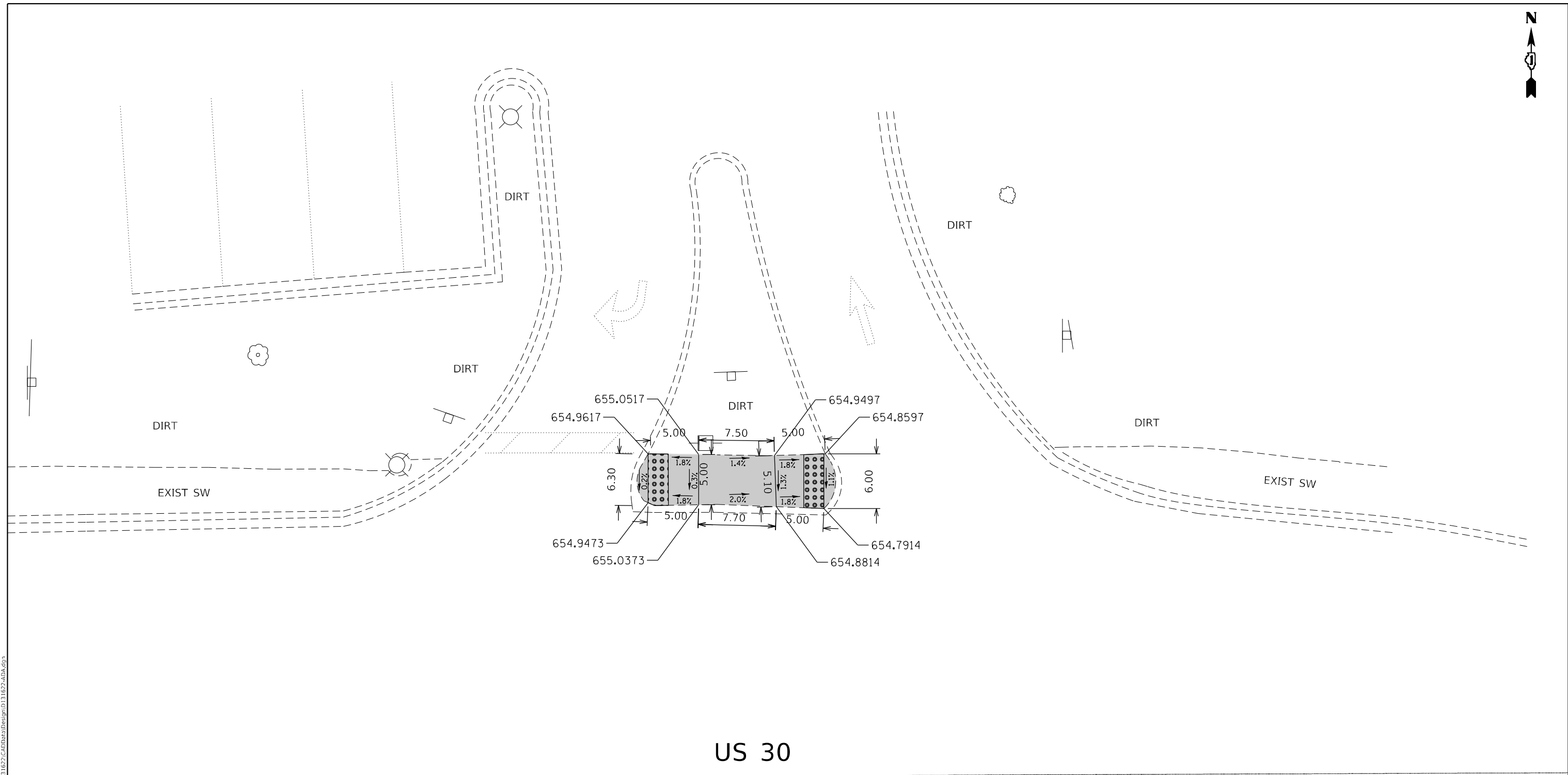
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PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

US 30 AND EDGEWOOD AVE  
CURB RAMP IMPROVEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	



US 30

**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

BENCHMARK: # 6201 ELEV. 656.903 "C" C TCB SE CORNER @ NE CORNER @ IL RTE 1 CHICAGO RD & IL RTE 30

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

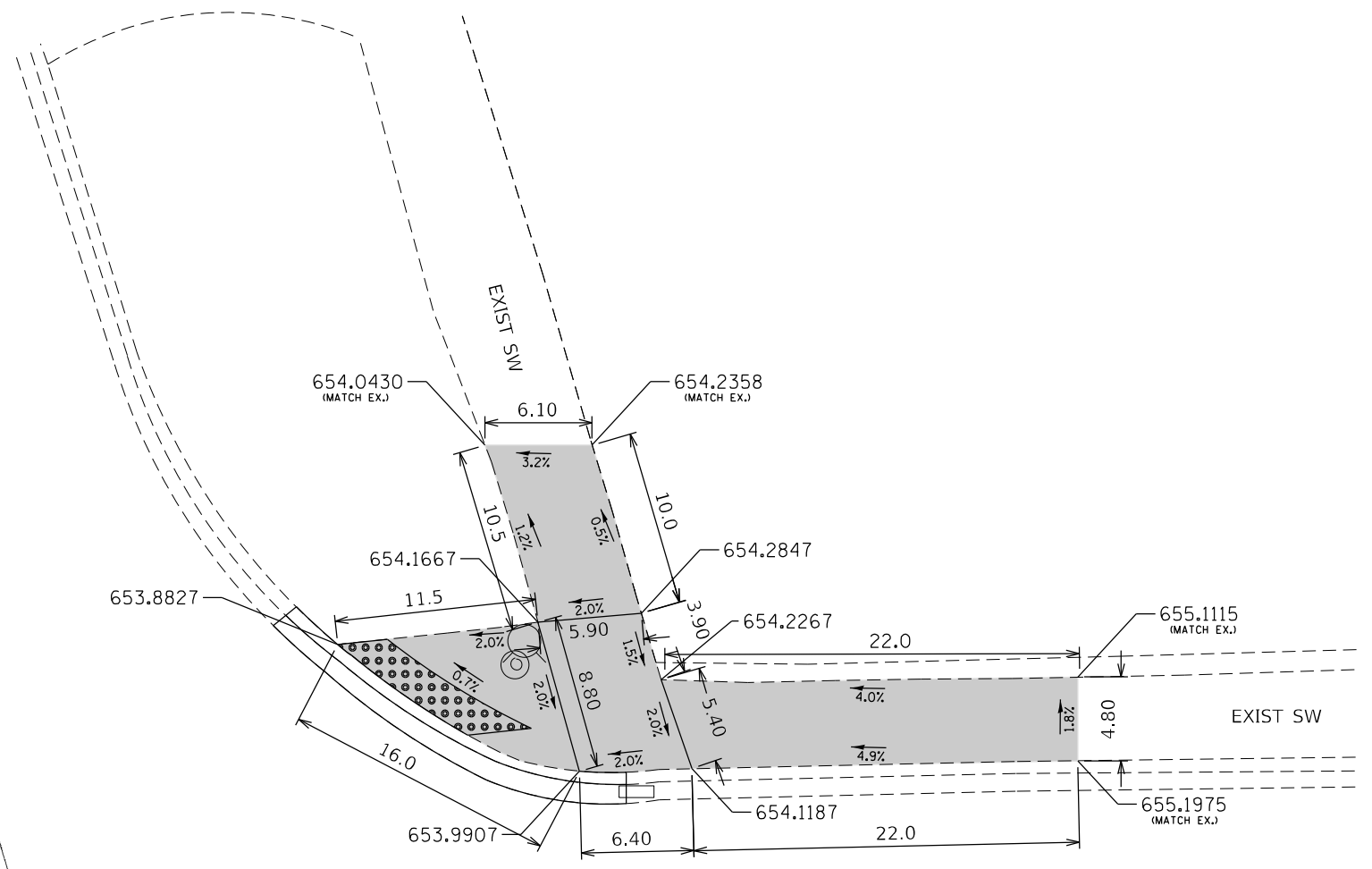
US 30 AT CVS DRIVEWAY CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	39
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



VINCENNES AVE.

HMA



US 30

**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

BENCHMARK: # 6625 SE BOLT @ ELEV. 653.457

**LEGEND**

- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- EXIST. GRASS

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

US 30 AND VINCENNES AVE  
CURB RAMP IMPROVEMENT

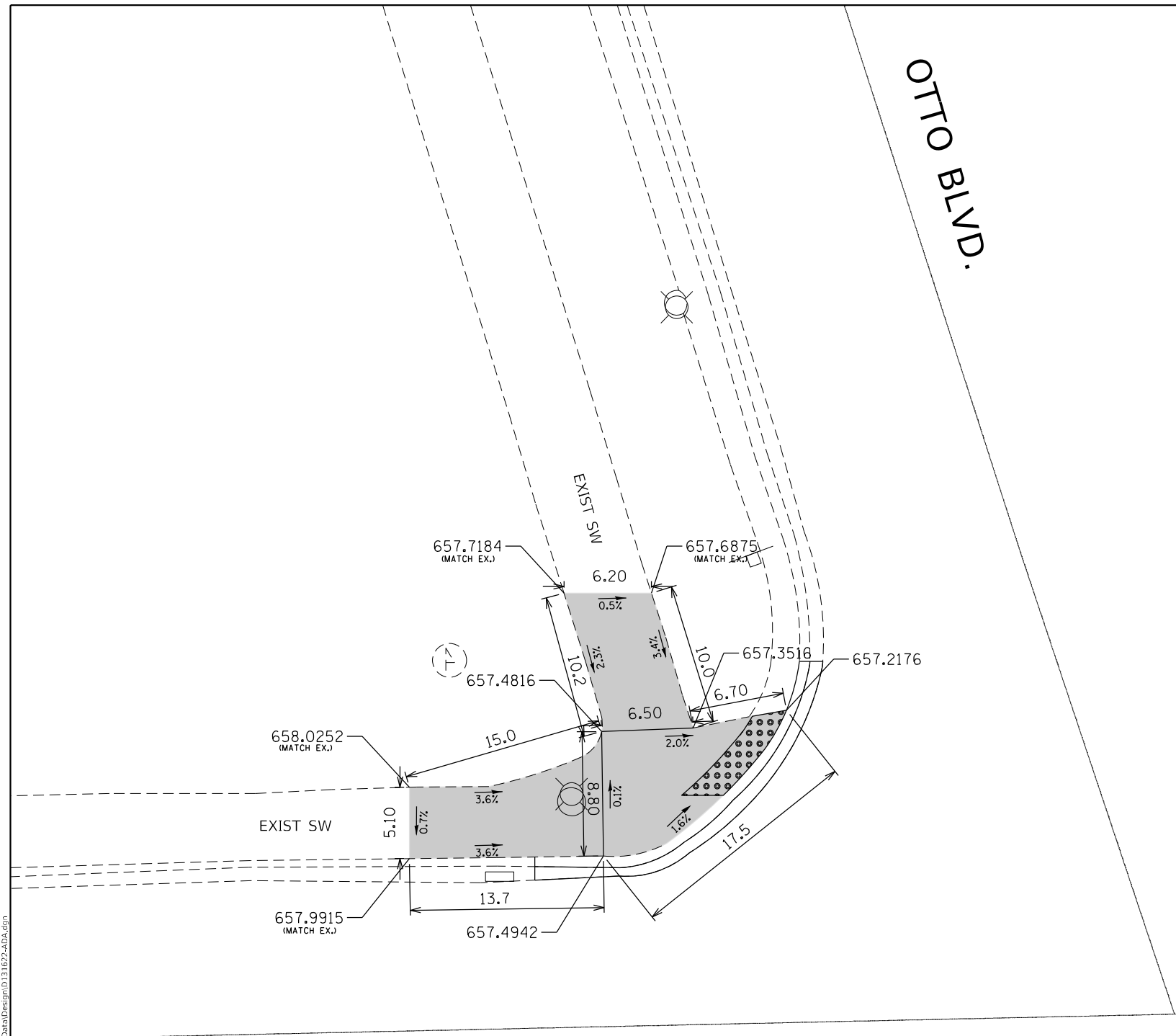
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 353	SECTION FAP 353 22 RS	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 40
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	





OTTO BLVD.



US 30

**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

BENCHMARK: NW ARROW BOLT ON HYD = 659.993

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

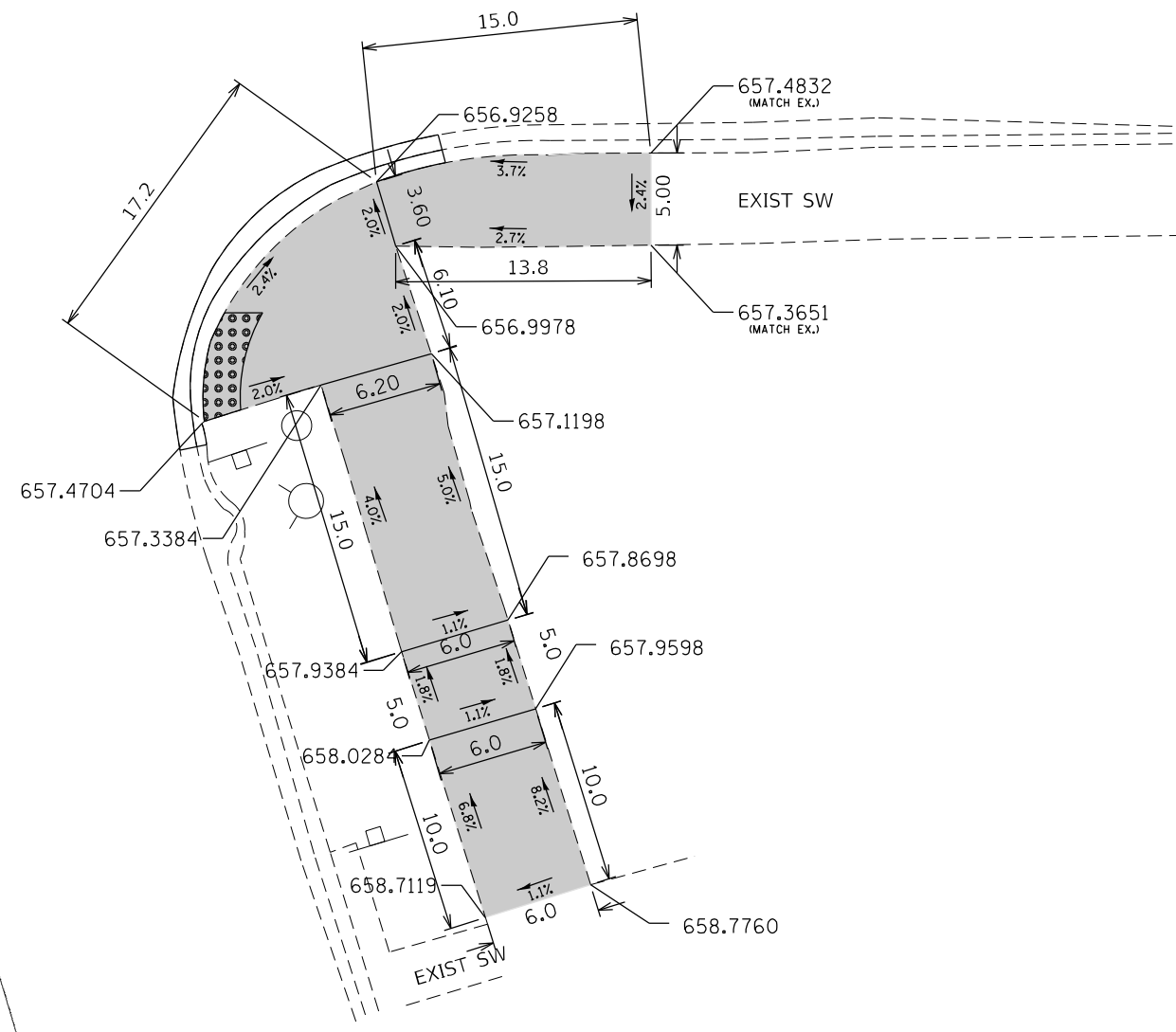
US 30 AND OTTO BLVD CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	41
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



US 30

OTTO BLVD.



**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

BENCHMARK: NW ARROW BOLT ON HYD = 659.993

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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DRAWN -	REVISIONS -	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

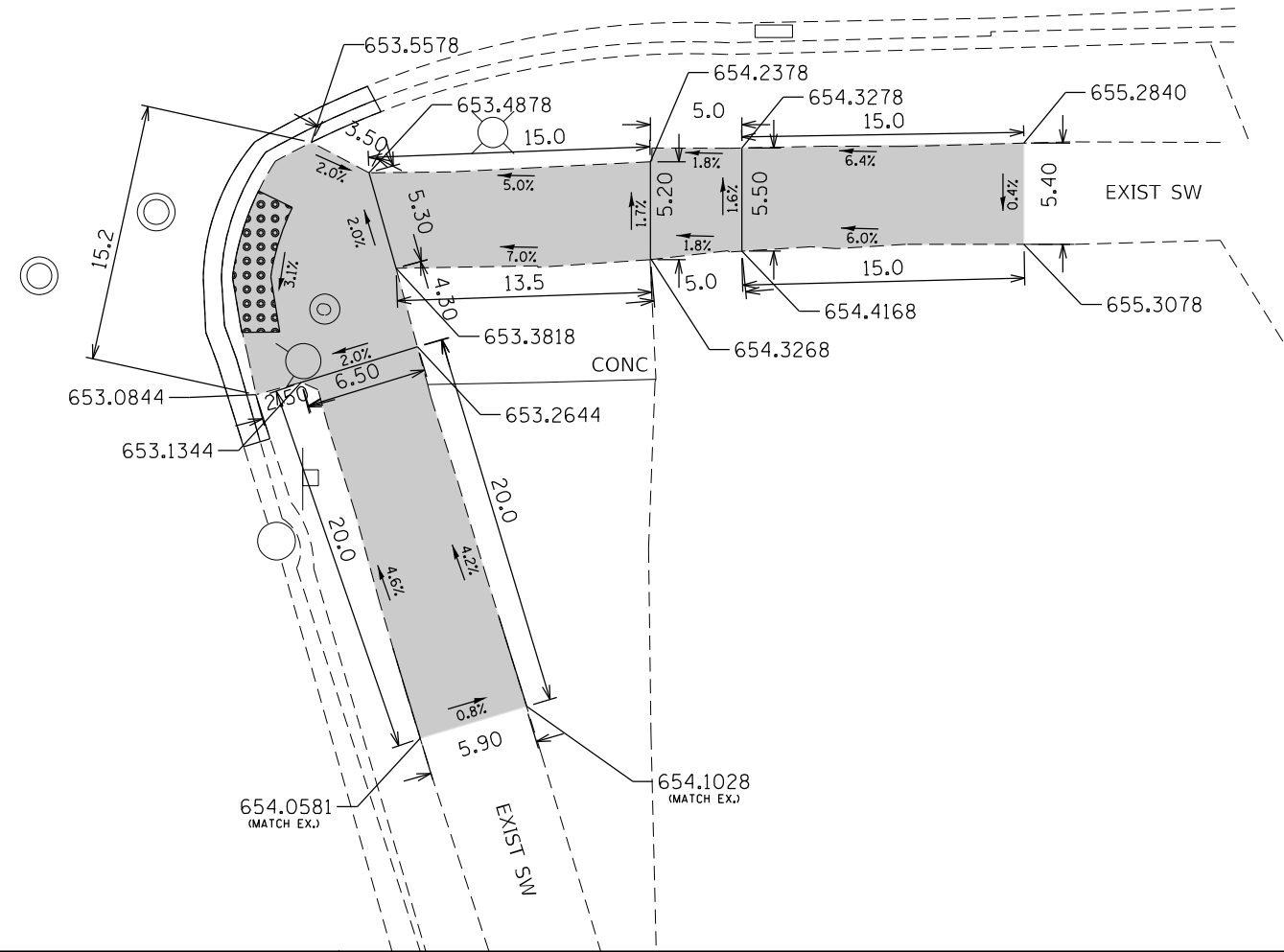
US 30 AND OTTO BLVD CURB RAMP IMPROVEMENT	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	42
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



US 30

PARK AVE.







**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

BENCHMARK: BM #8501 ELEV. 660.866 FT

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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PLOT DATE = 5/12/2023	DATE -	REVISED -

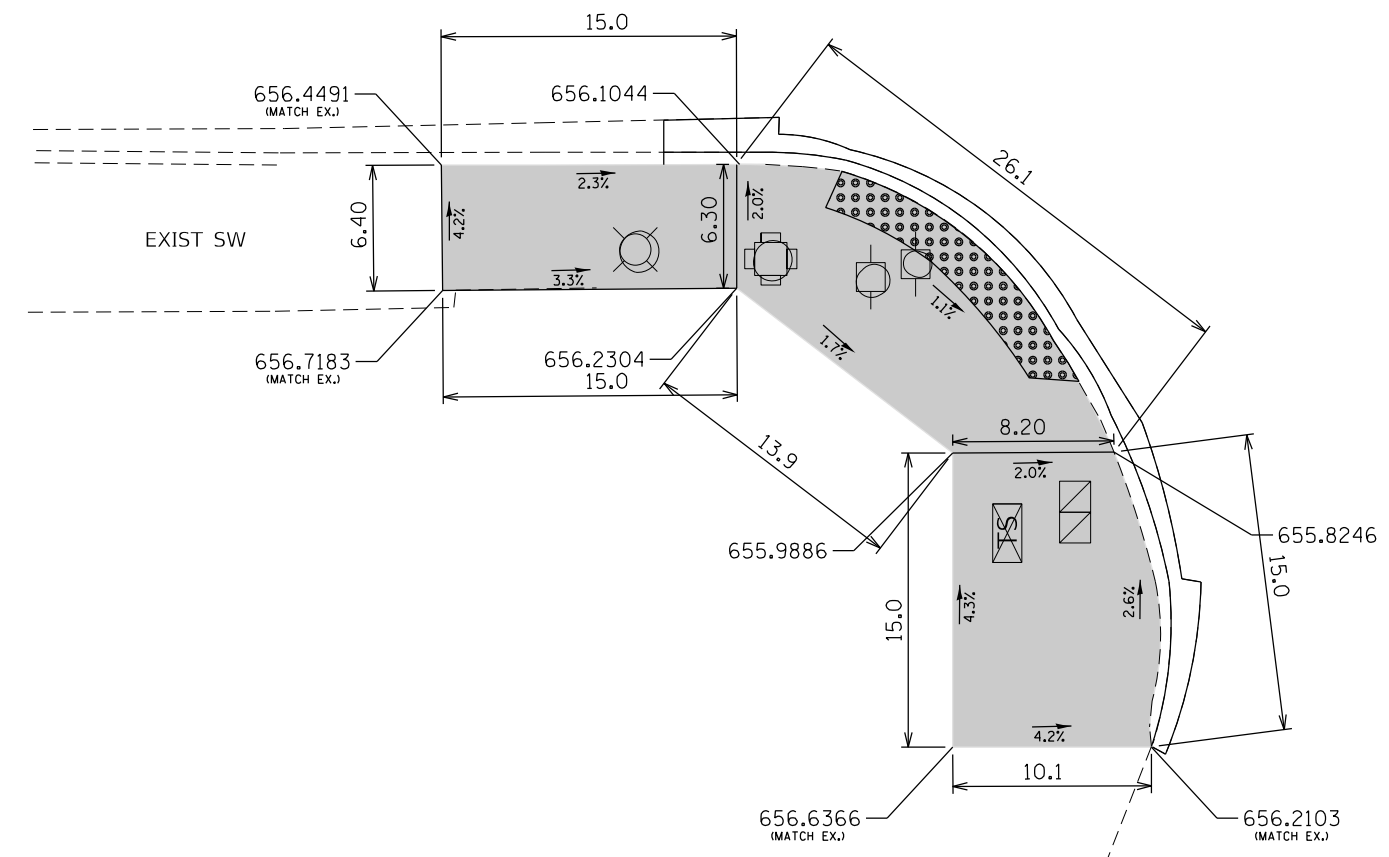
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

US 30 AND PARK AVE CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	43
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



US 30



EAST END AVE.

**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

BENCHMARK: ARROW BOLT ON HYD 658.159

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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	DRAWN -	REVISED -
PLOT SCALE = 9.7883' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

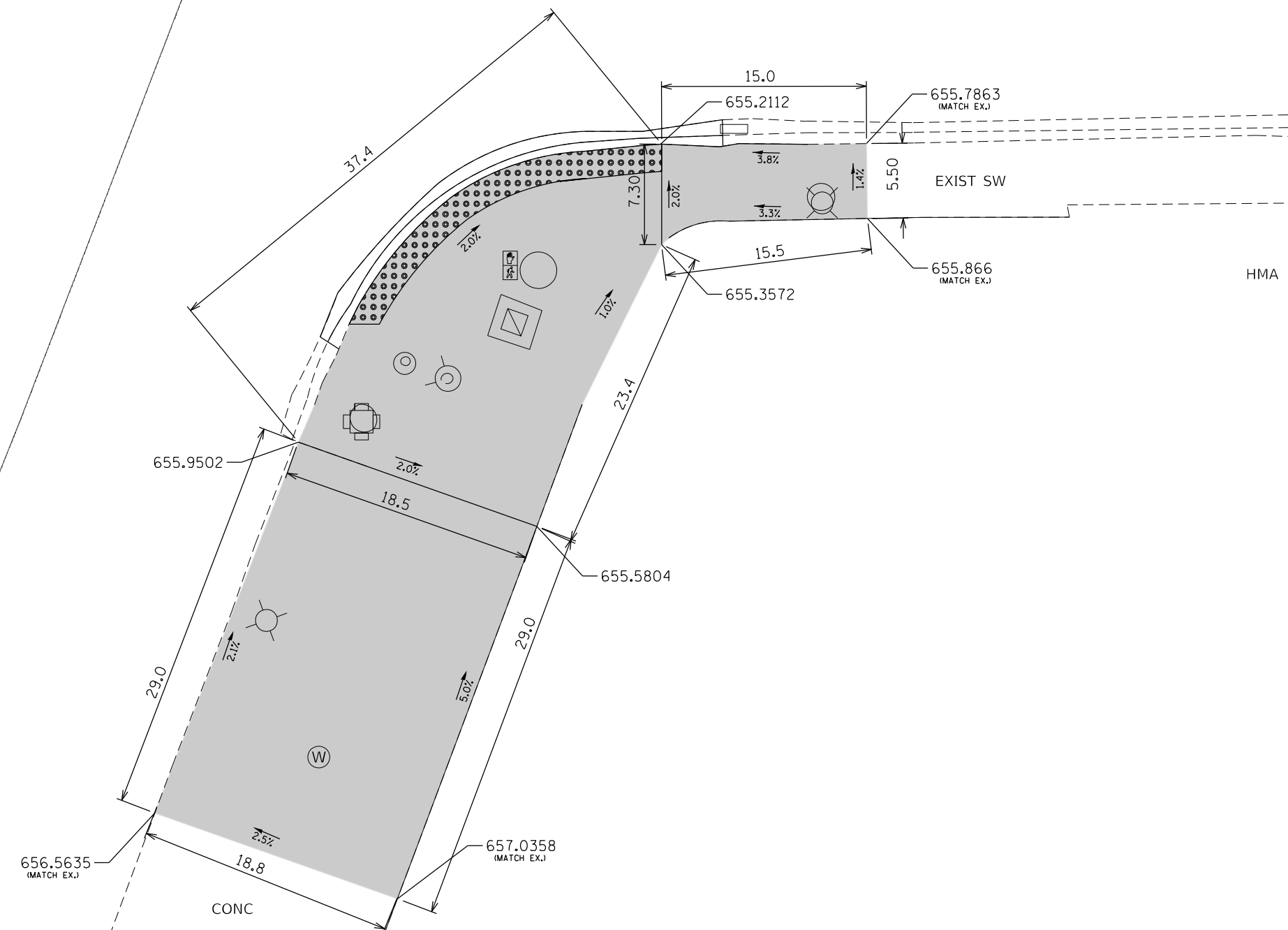
US 30 AND EAST END AVE CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	44
CONTRACT NO. 62U08				
ILLINOIS FED. AID PROJECT				



US 30

EAST END AVE.



**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

BENCHMARK: ARROW BOLT ON HYD 658.159

**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
- 2) CLASS D PATCH 3" WILL BE USED AS DIRECTED BY THE RE

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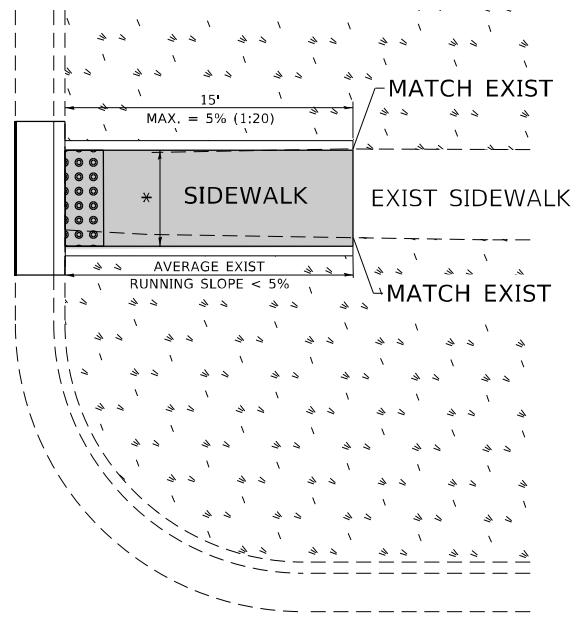
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

US 30 AND EAST END AVE			
CURB RAMP IMPROVEMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

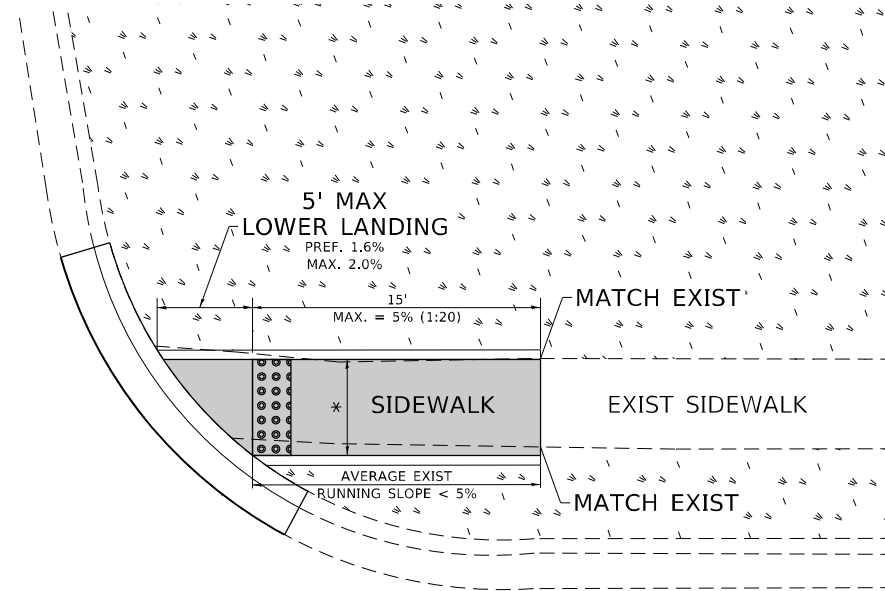
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353	FAP 353 22 RS	COOK	62	45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U08	

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

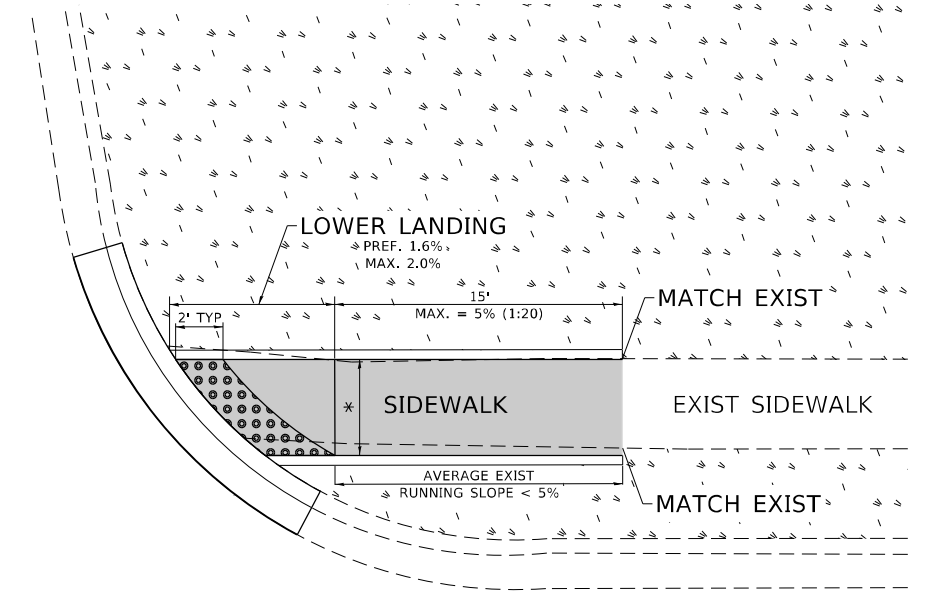
**PD-01A**



**PD-01B**



**PD-01C**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

**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

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

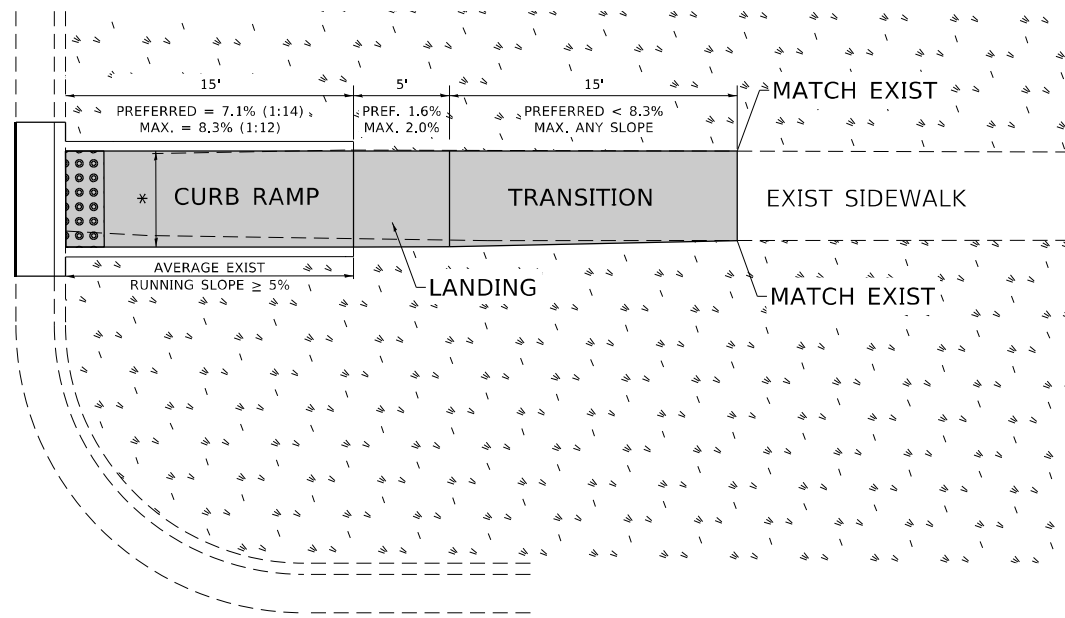
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

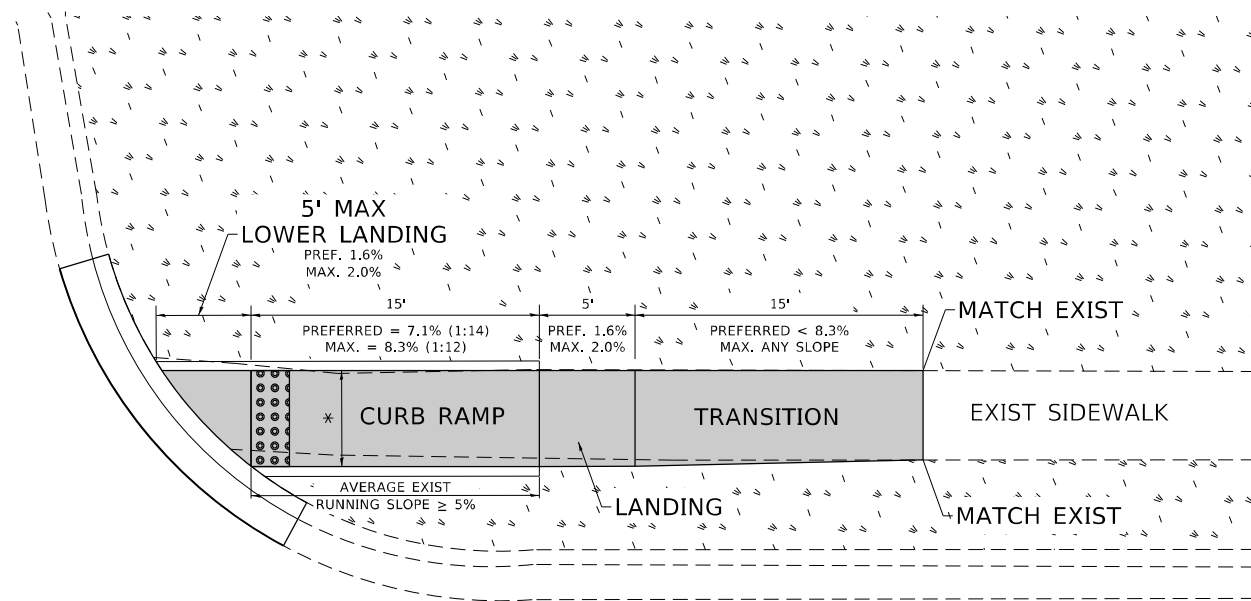
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353	FAP 353 22 RS	COOK	62	46
PD-01		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

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

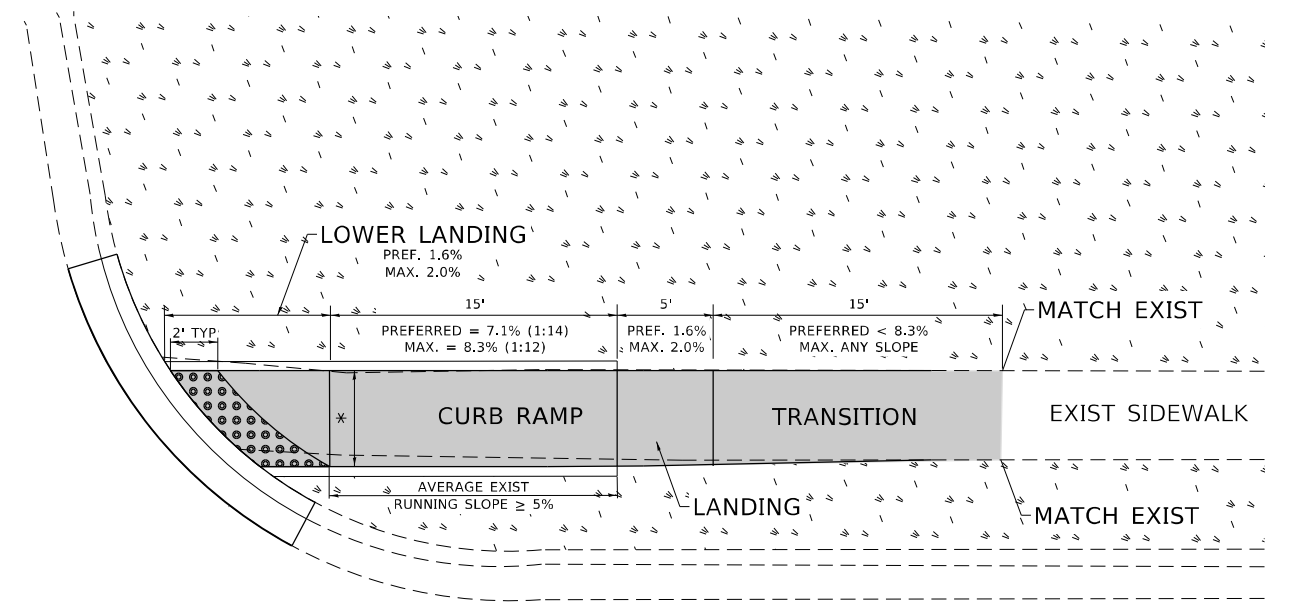
**PD-02A**



**PD-02B**



**PD-02C**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

**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

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PLOT SCALE = 100,0000' / in.	DATE - 10/02/2019	REVISED -
PLOT DATE = 5/12/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

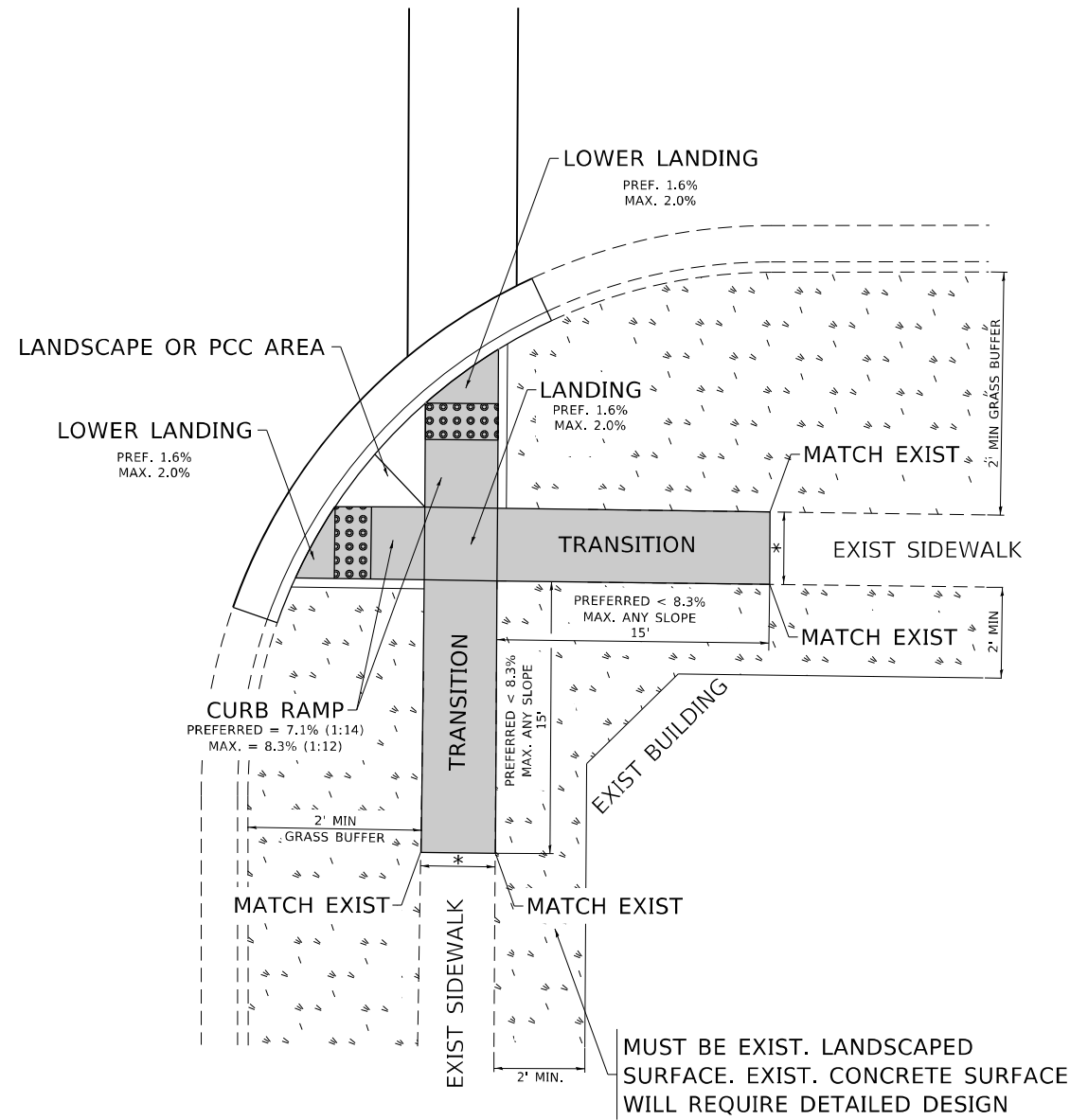
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-02)**

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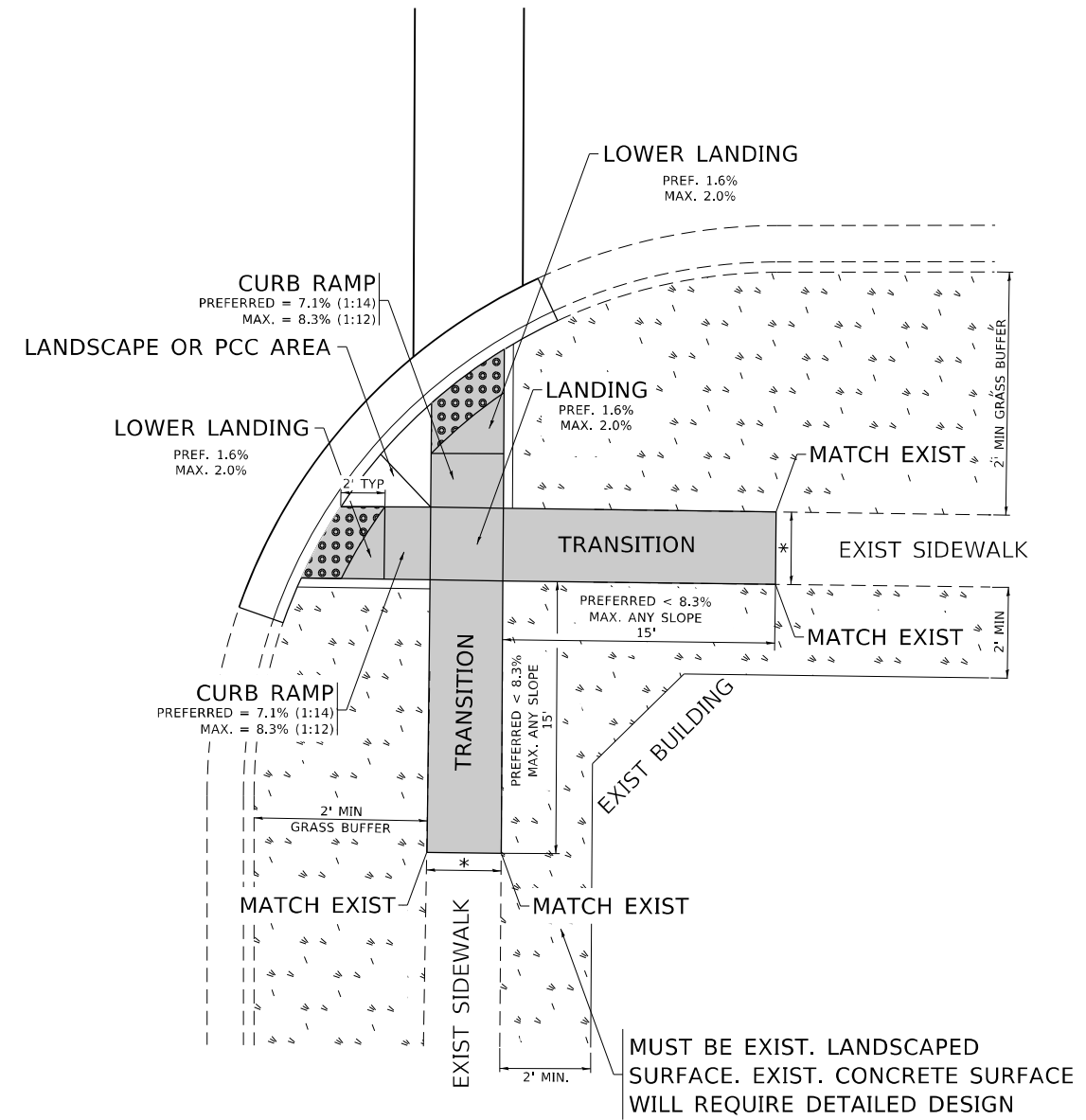
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	47
PD-02		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

**PD-03A**



**PD-03B**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDE CURB
- 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

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	DRAWN - R. LEDEZMA	REVISED -
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PLOT DATE = 5/12/2023	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS  
(PD-03)**

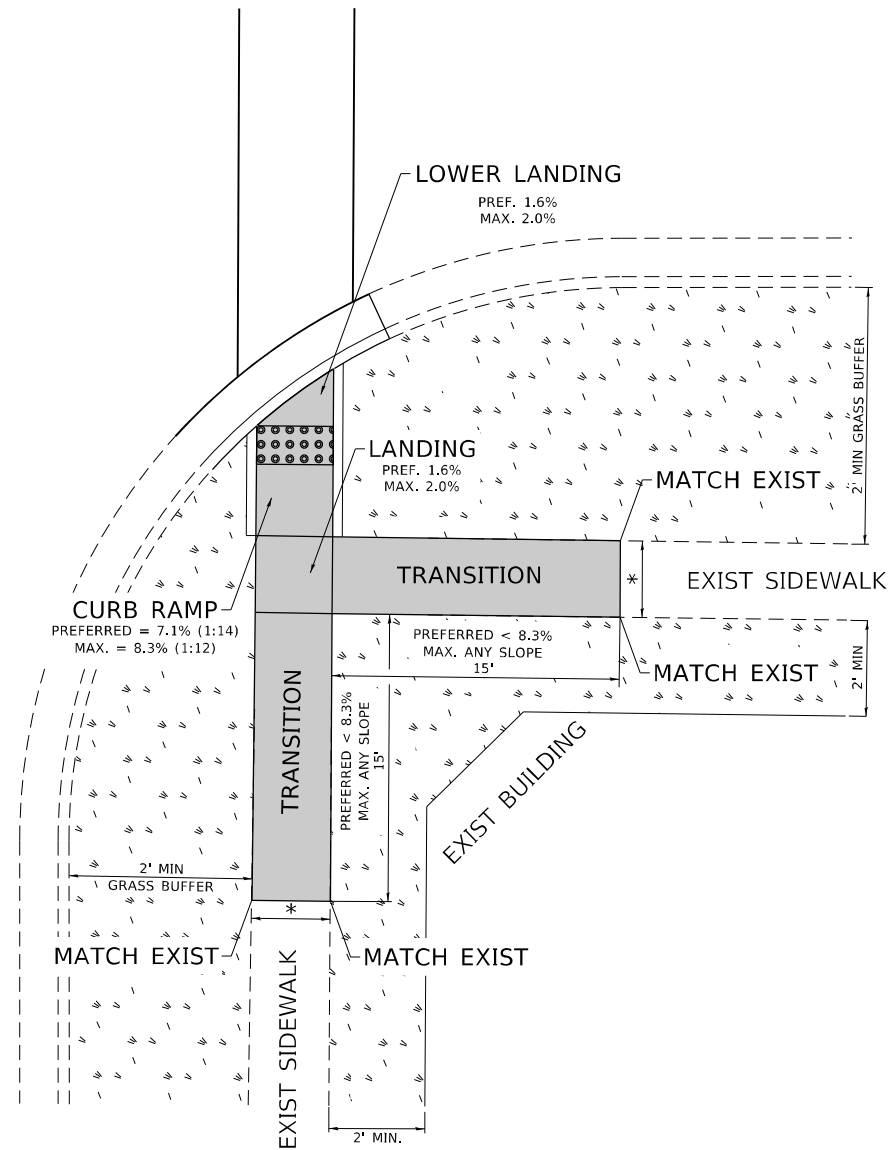
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	48
PD-03		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

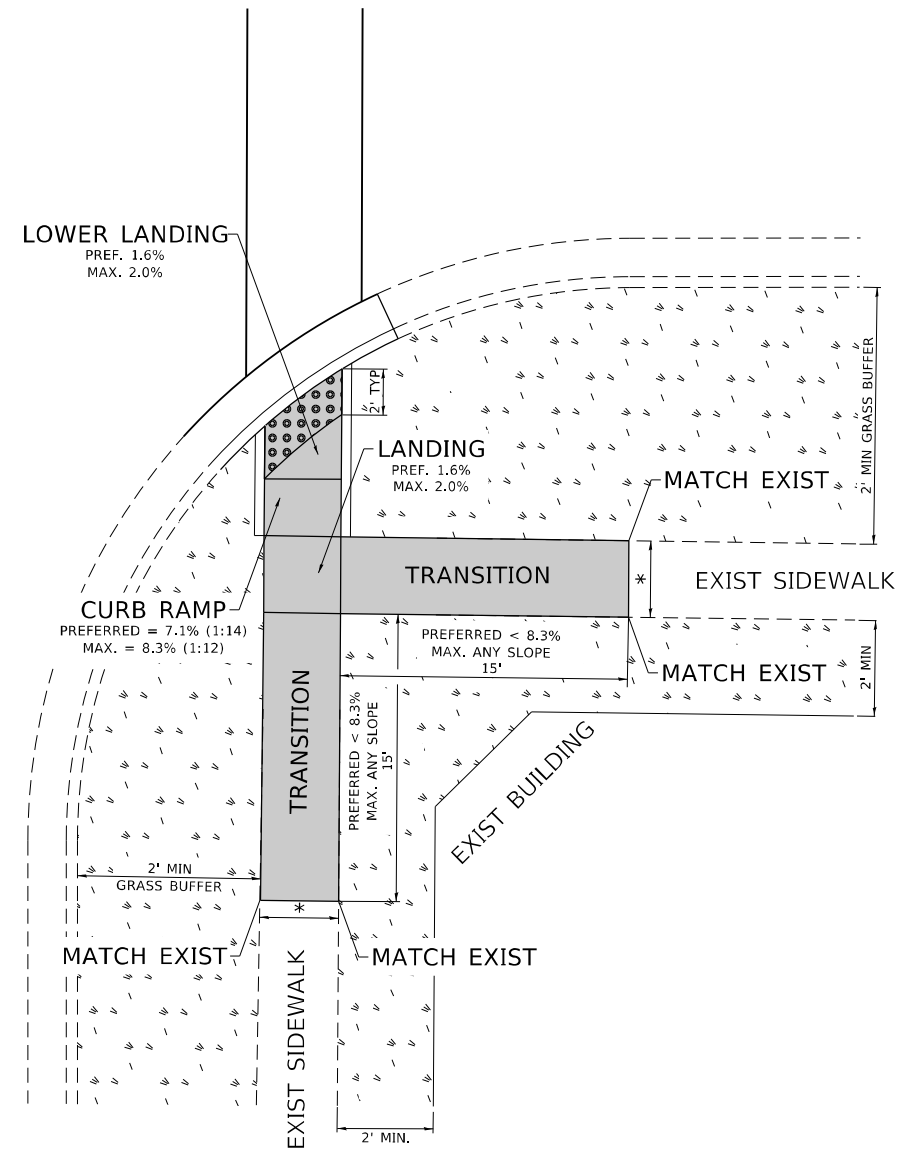


# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

**PD-04A**



**PD-04B**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDE CURB
- 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

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PROJECT: I:\Projects\11316221\CADD\data\Design\PD04.dgn

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PLOT DATE = 5/12/2023	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

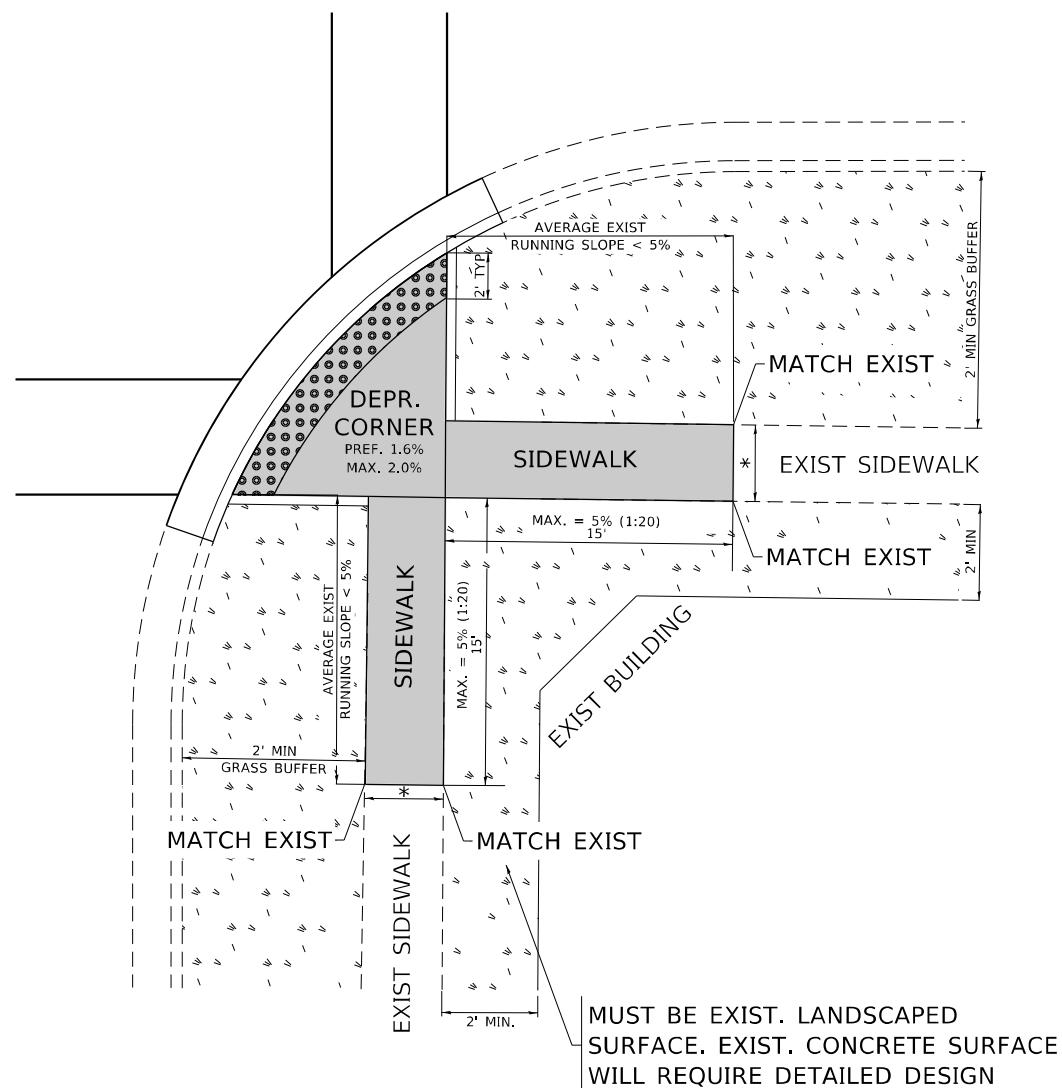
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH  
TURNING SPACE (PD-04)**

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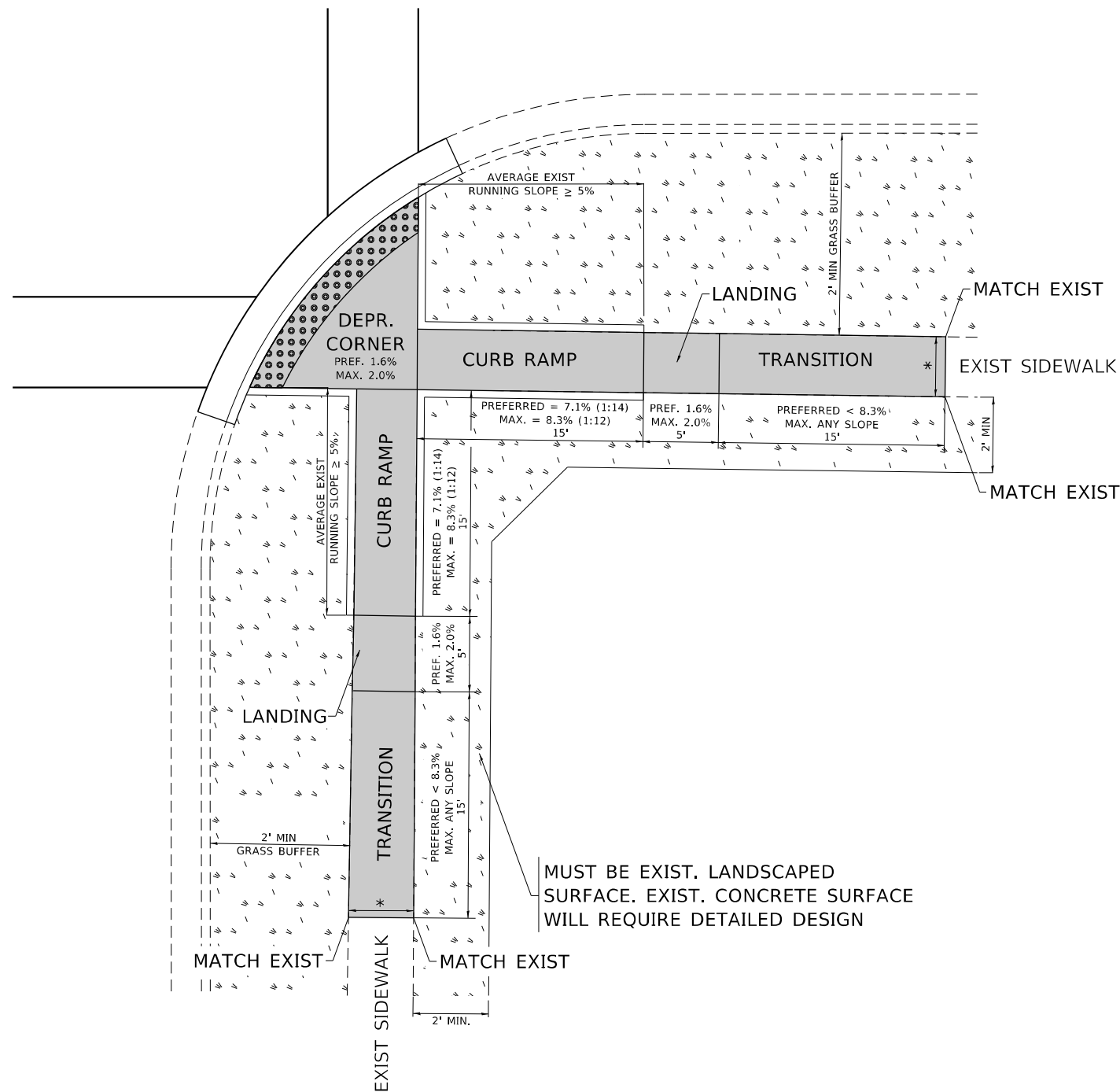
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353	FAP 353 22 RS	COOK	62	49
PD-04		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

**PD-05A**



**PD-05B**



**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

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PLOT DATE = 5/12/2023	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

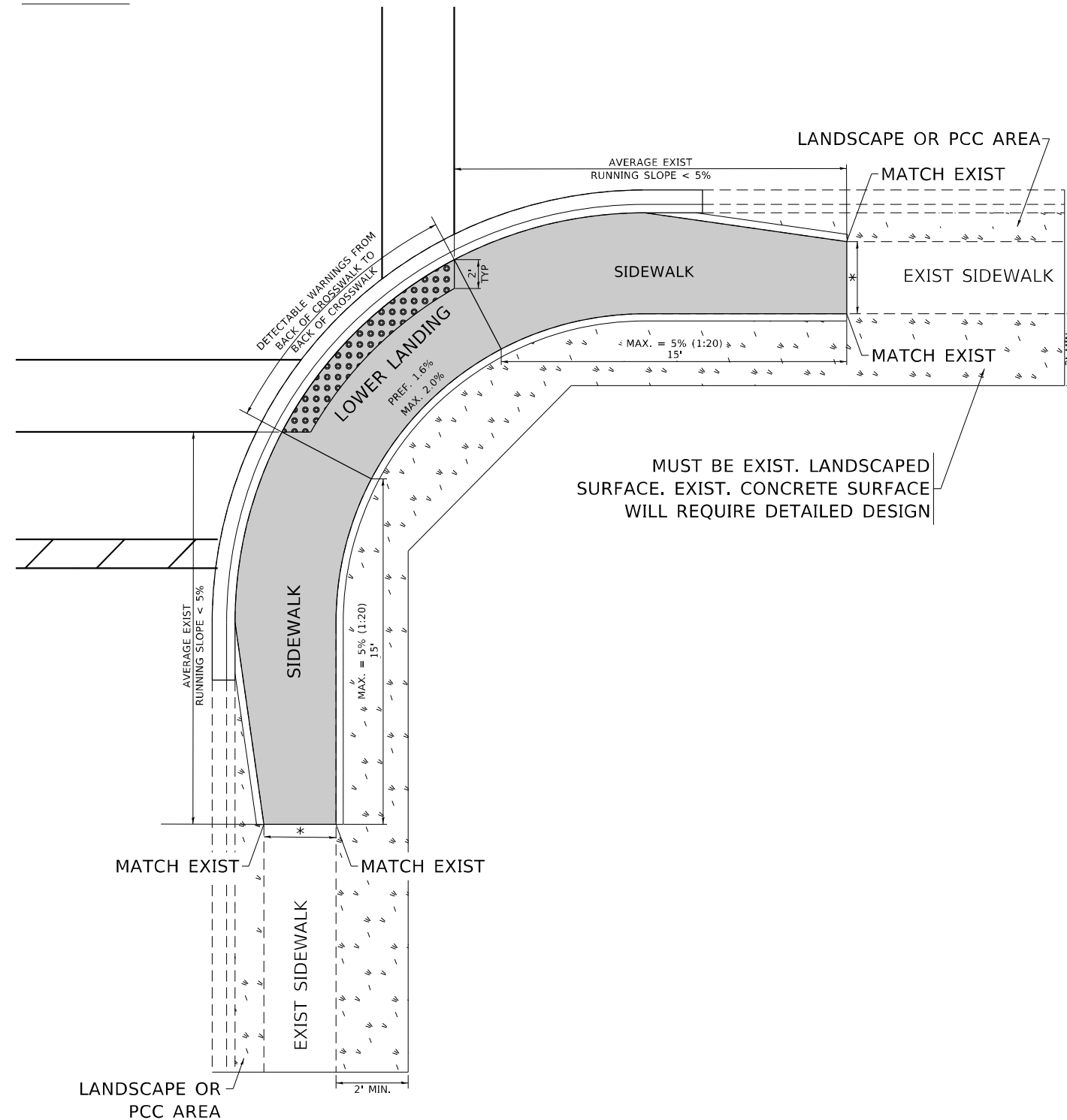
**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS  
(PD-05)**

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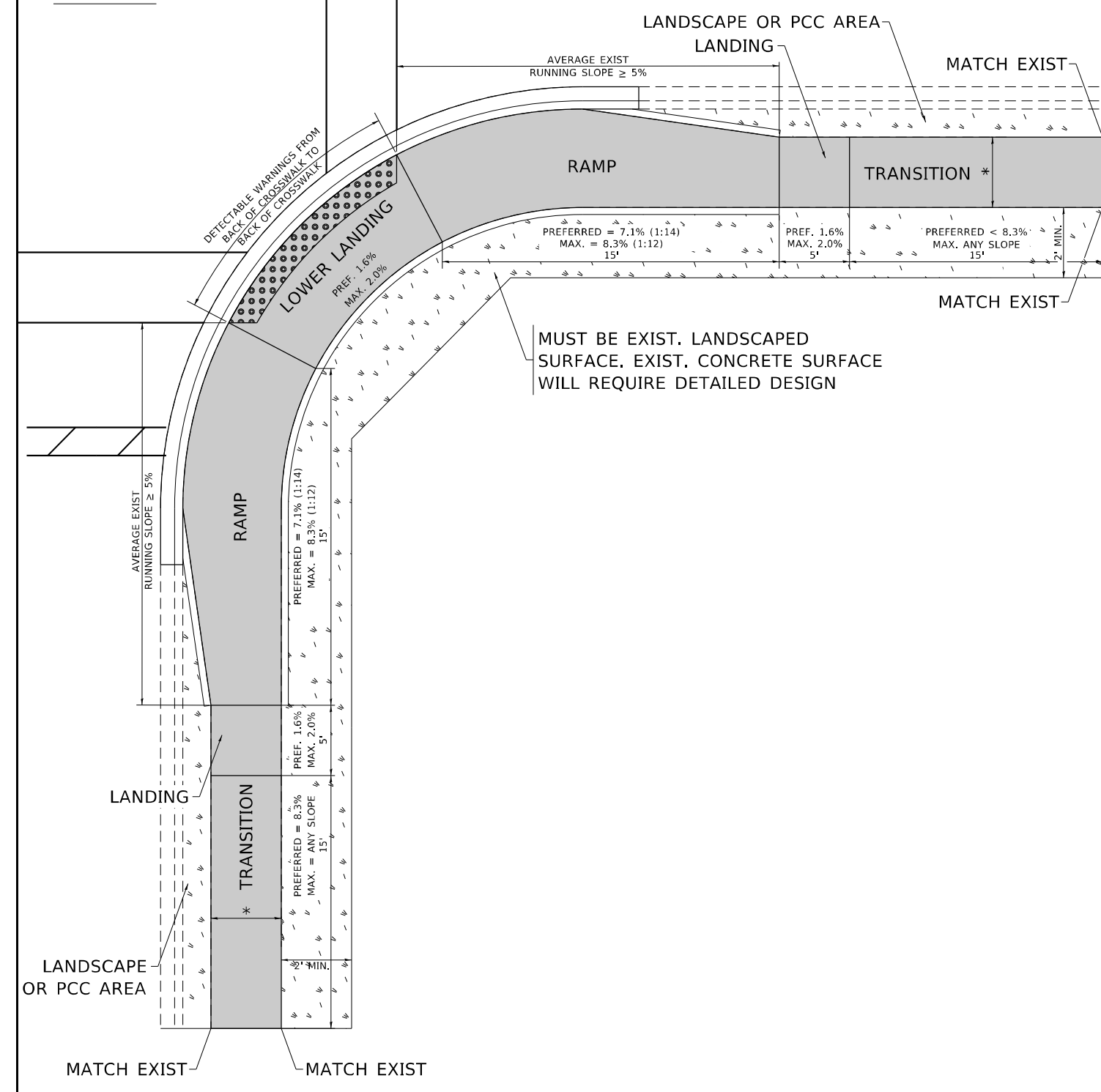
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353	FAP 353 22 RS	COOK	62	50
PD-05		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

**PD-06A**



**PD-06B**



**LEGEND**

-  EXIST. GRASS
-  PROPOSED SIDE CURB
-  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

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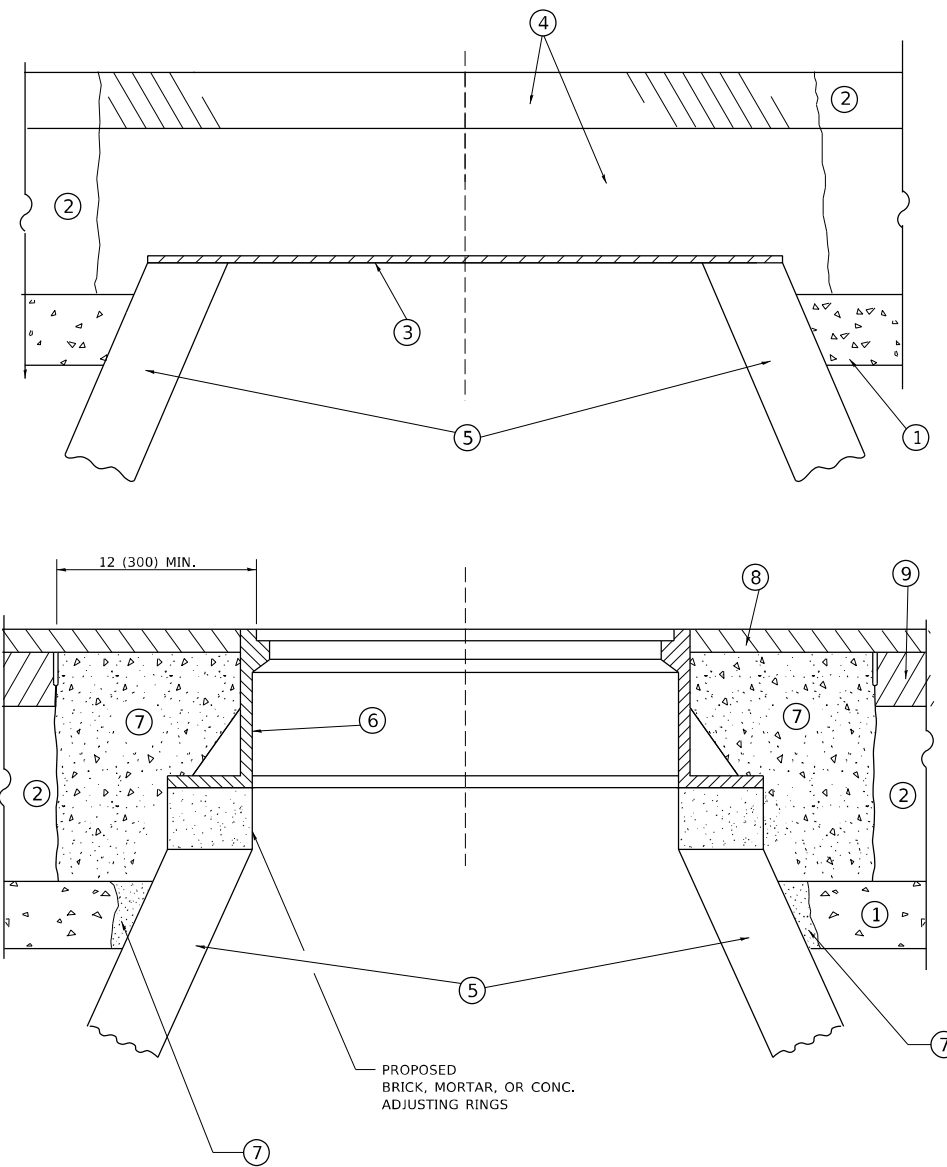
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PLOT DATE = 5/12/2023	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR PARALLEL CURB RAMPS  
(PD-06)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	51
PD-06		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				



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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) 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-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS*PP-1 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.

**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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	DRAWN -	REVISED - R. BORO 03-09-11
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PLOT DATE = 5/12/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	52
BD600-03 (BD-08)			CONTRACT NO. 62U08	
ILLINOIS FED. AID PROJECT				

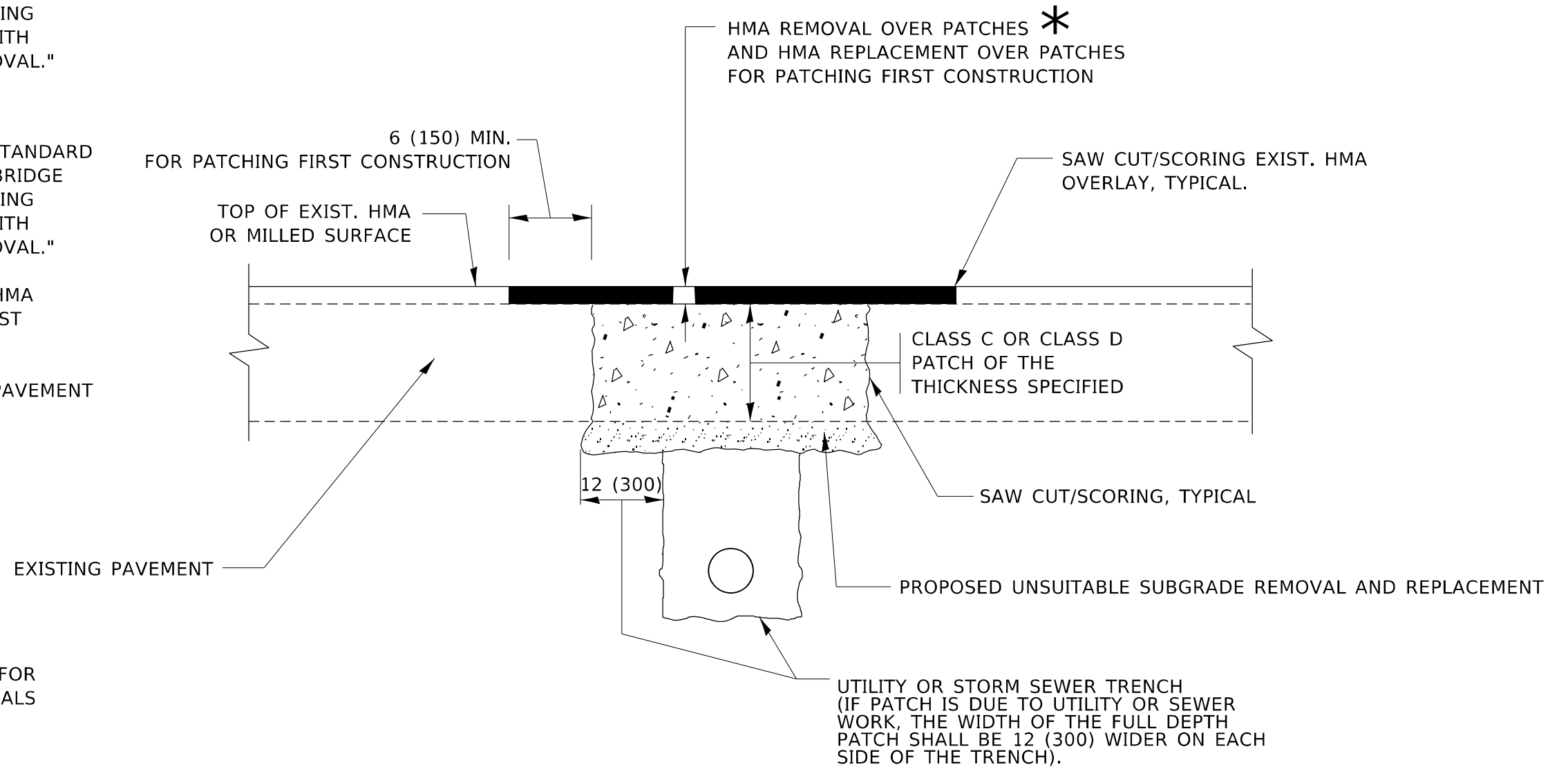
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**METHOD OF MEASUREMENT**

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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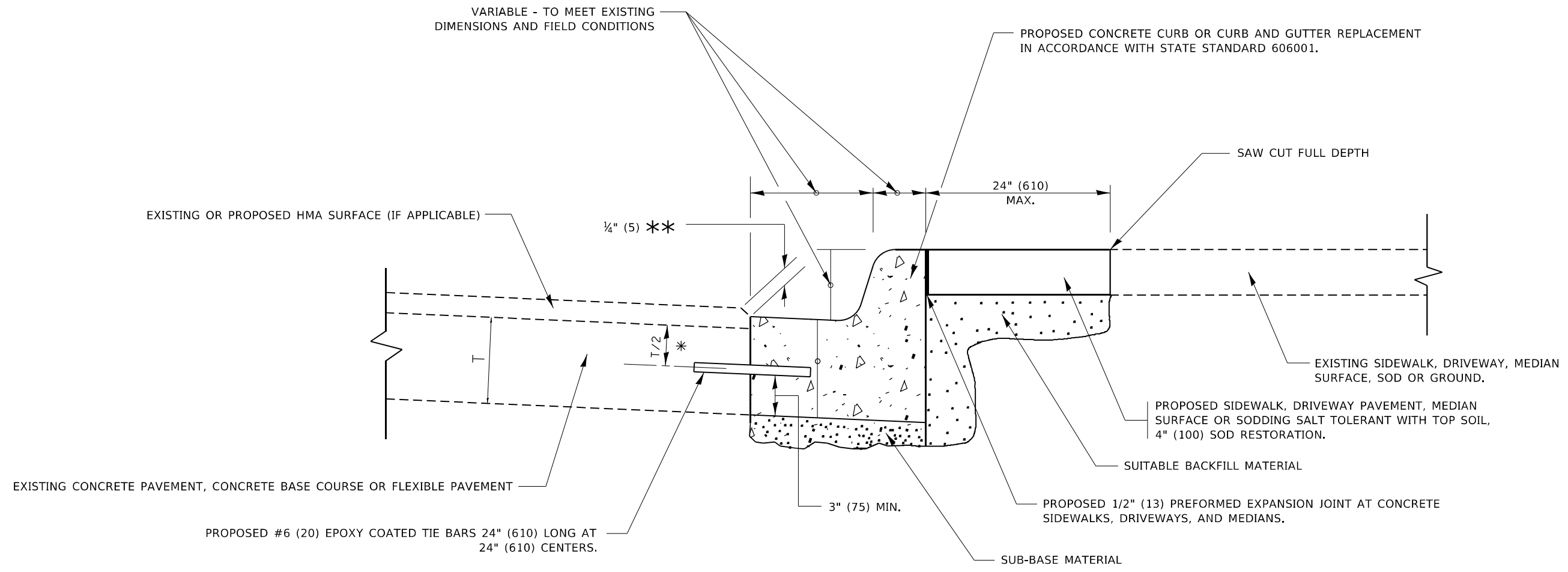
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 5/12/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	53
<b>BD400-04 (BD-22)</b>			CONTRACT NO. 62U08	
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.

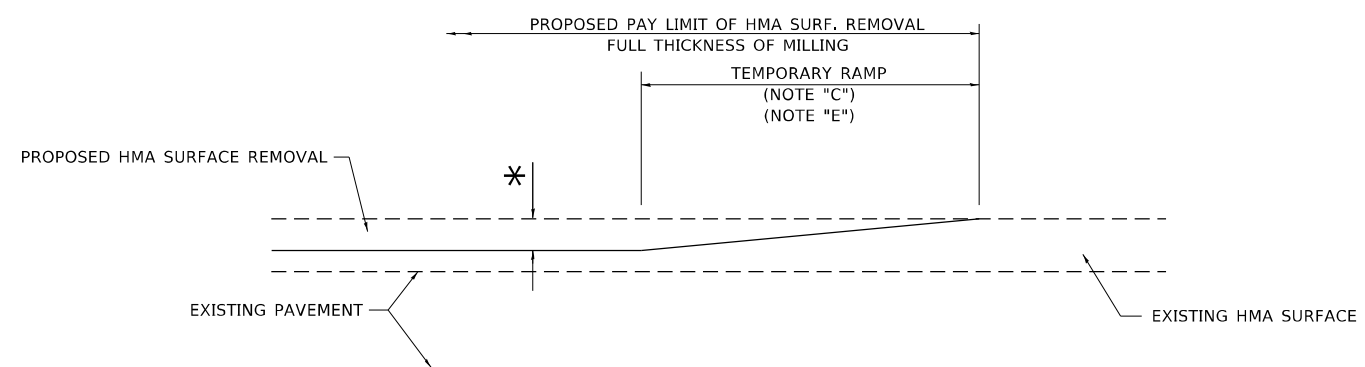
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USER NAME = mohammad.hamwi	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 5/12/2023	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

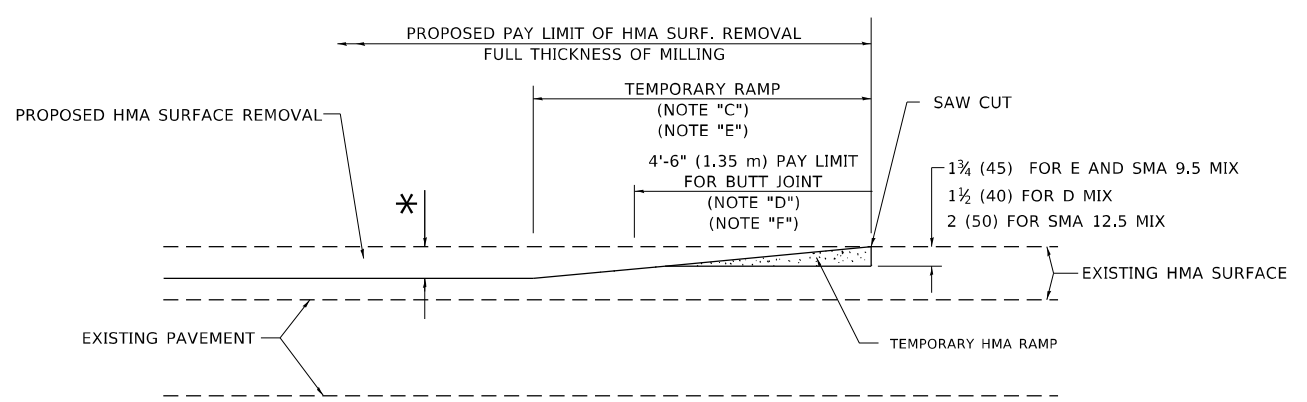
<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 R5	COOK	62	54
<b>BD600-06 (BD-24)</b>		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				



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

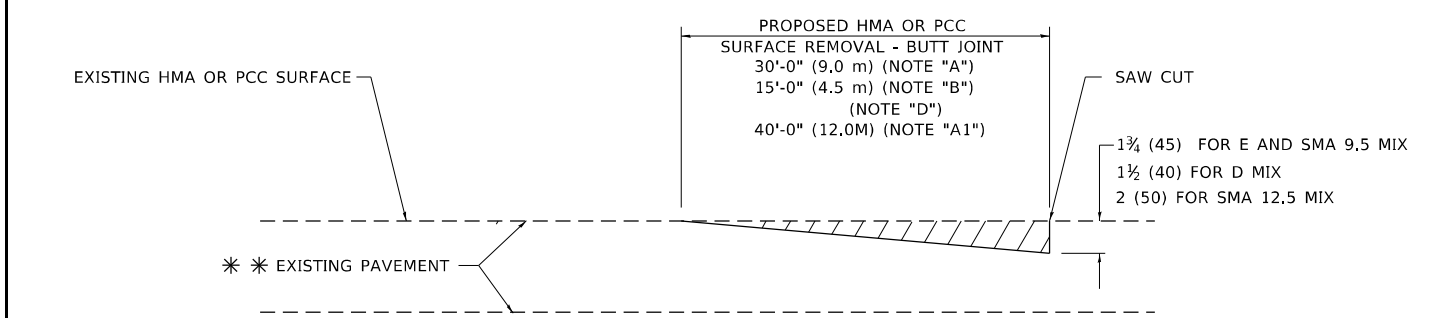
**OPTION 1**



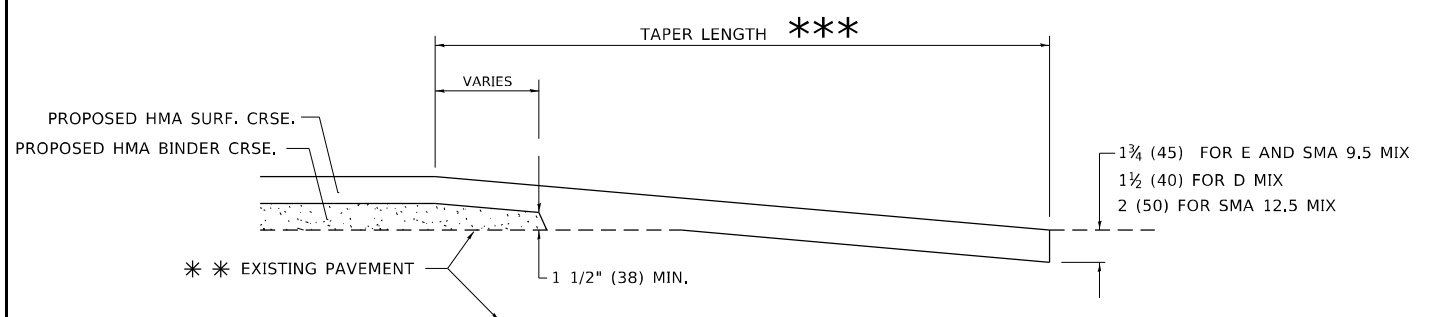
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**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.

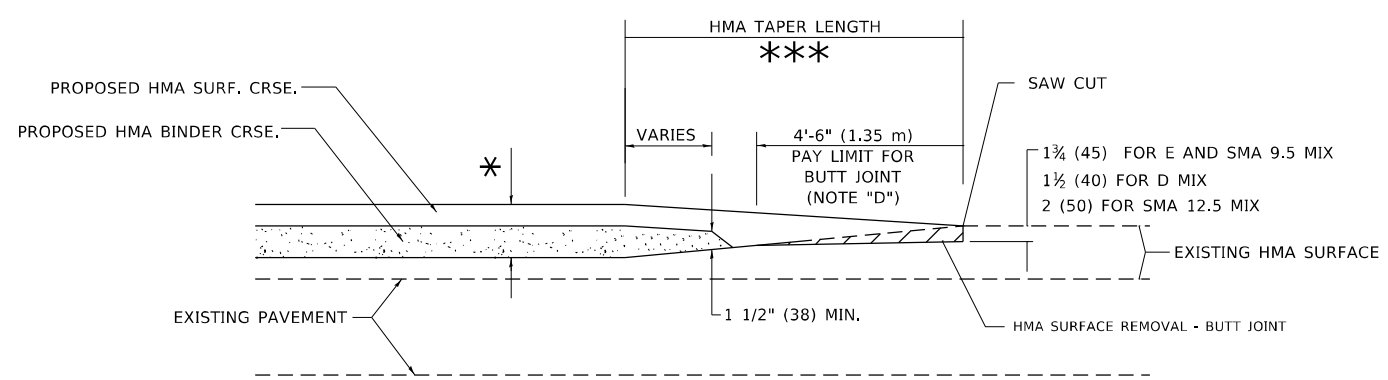
**GENERAL NOTES**

- 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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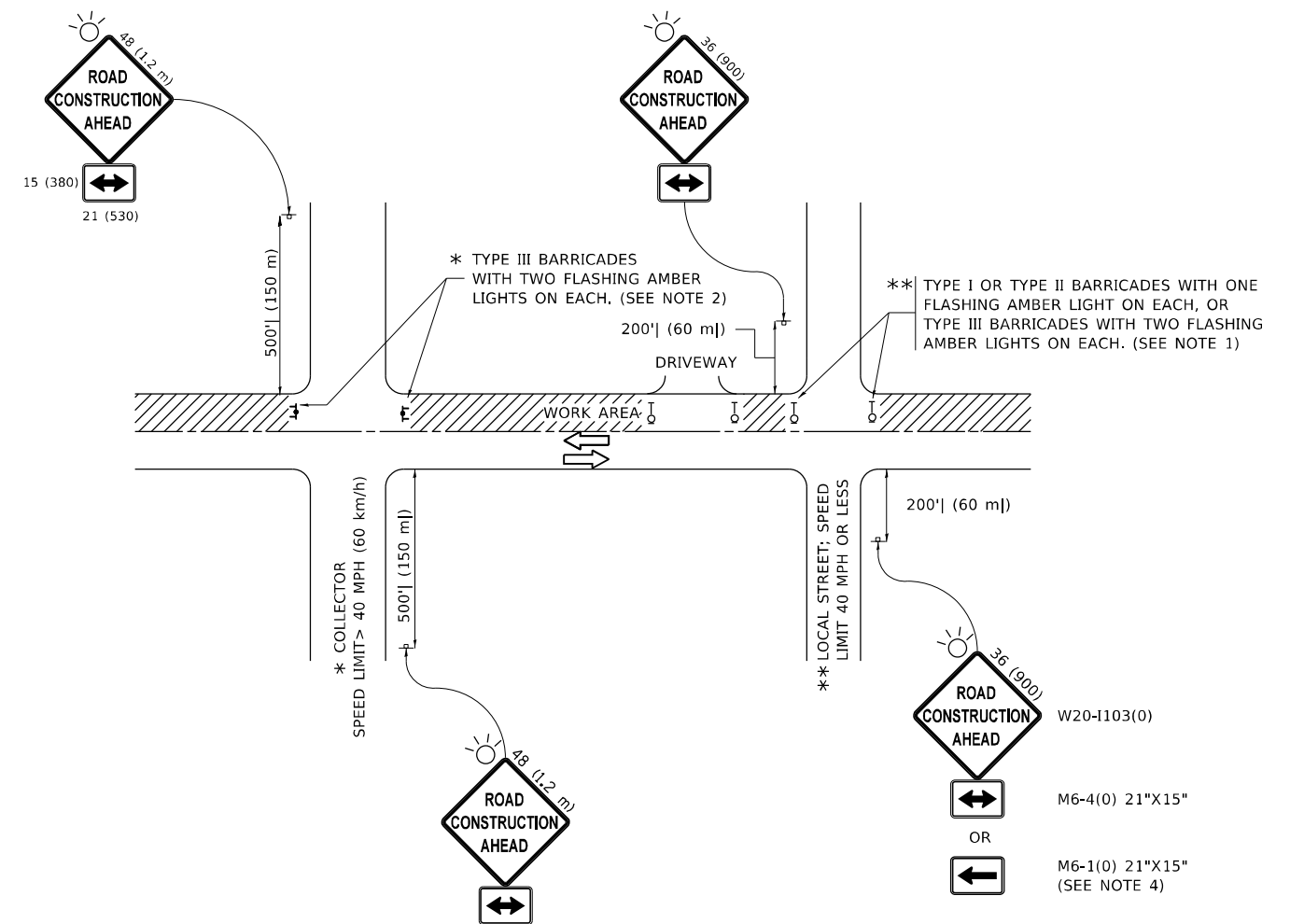
USER NAME = mohammad.hamwi	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 5/12/2023	DATE - 06-13-90	REVISED - R. BORO 01-01-07
		REVISED - K. SMITH 11-18-22

**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.
353	FAP 353 22 RS	COOK	62	55
<b>BD400-05 BD-32</b>		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

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USER NAME = mohammad.hamwi	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
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		REVISED - A. SCHUETZE 09-15-16

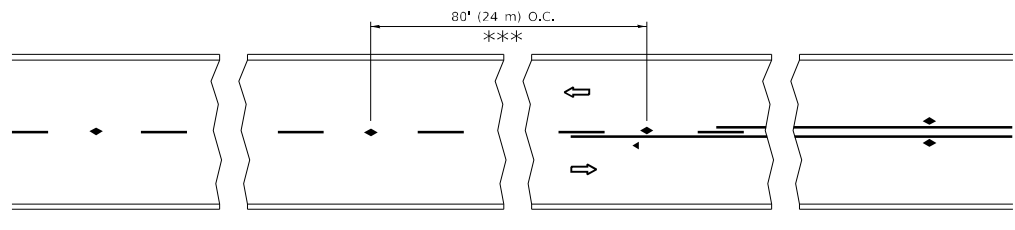
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

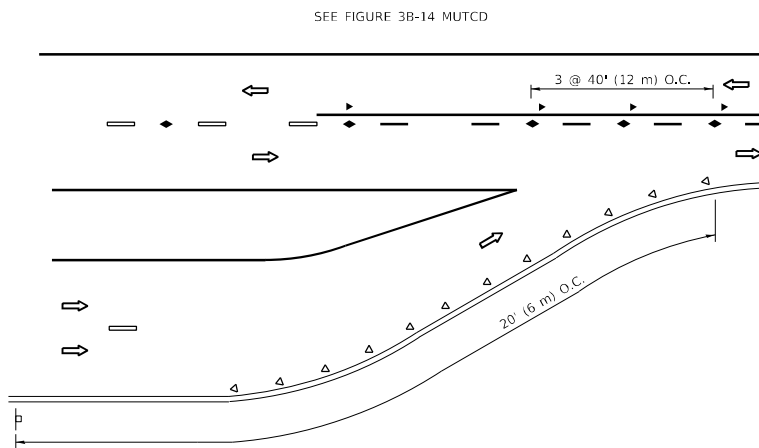
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<b>TC-10</b>			CONTRACT NO. 62U08	
ILLINOIS FED. AID PROJECT				



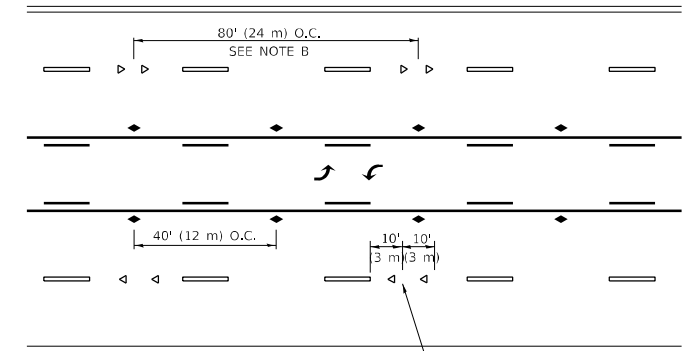


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

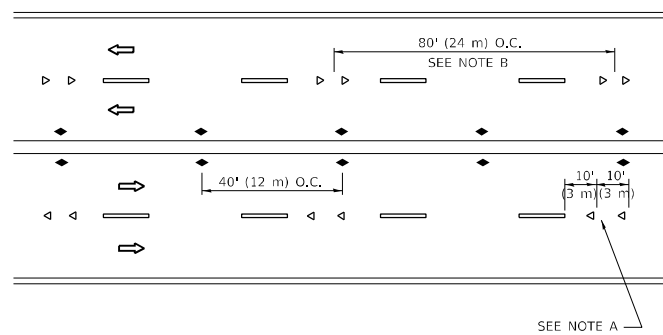
**TWO-LANE/TWO-WAY**



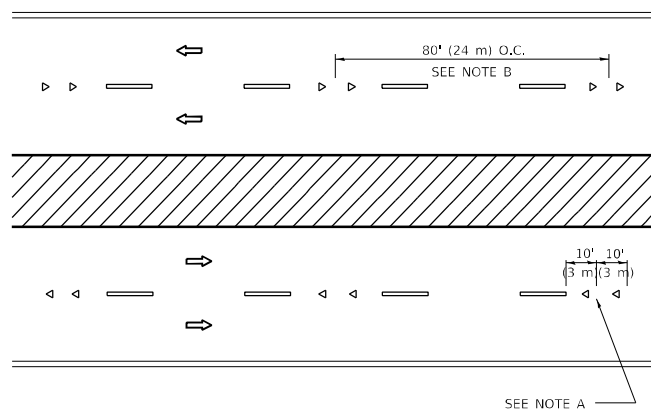
**LANE REDUCTION TRANSITION**



**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**

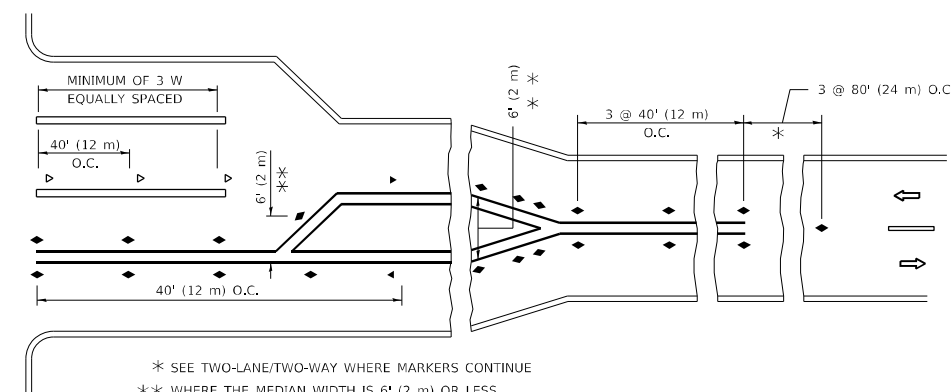
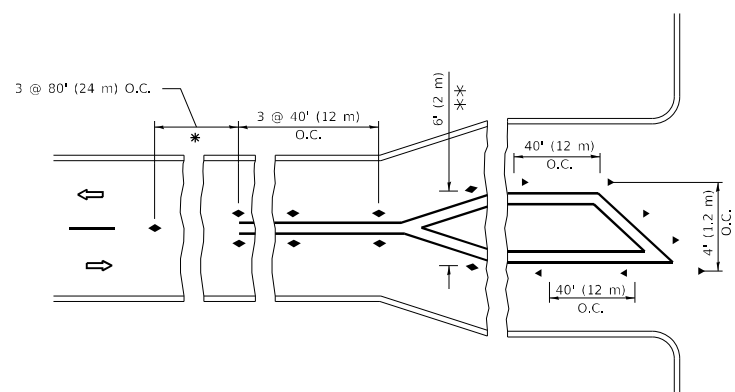
- YELLOW STRIPE
- ▬ WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



**TURN LANES**

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

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

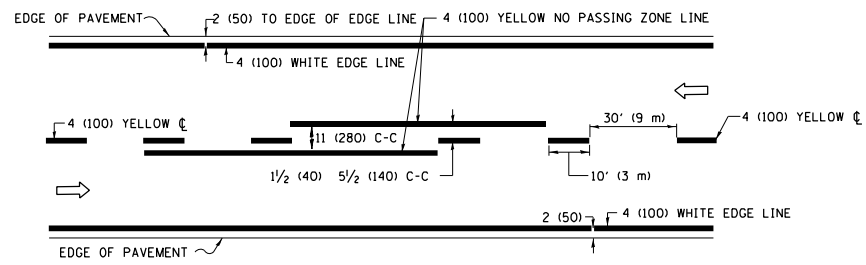
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11			CONTRACT NO. 62U08	
ILLINOIS FED. AID PROJECT				

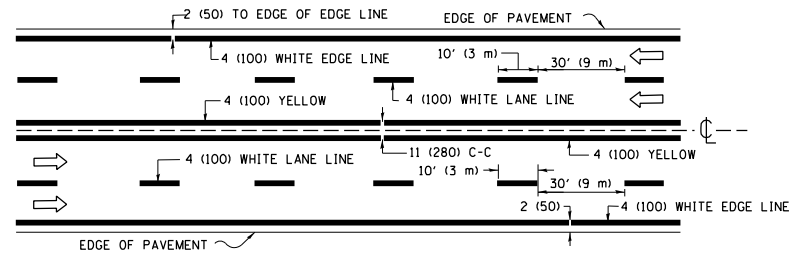
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 5/12/2023	DATE -	REVISED - C. JUCIUS 07-01-13

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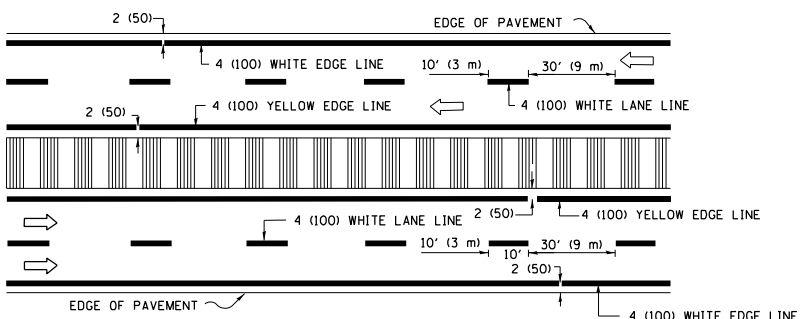
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**2-LANE ROADWAY**

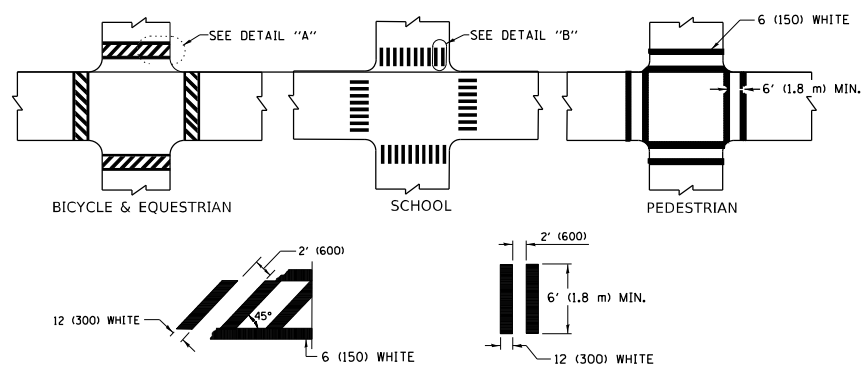


**MULTI-LANE UNDIVIDED**



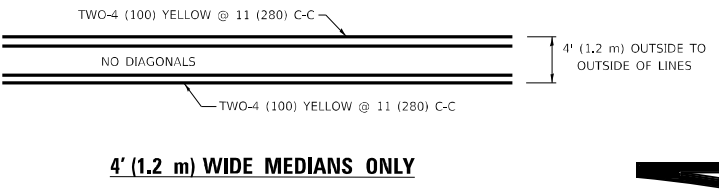
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

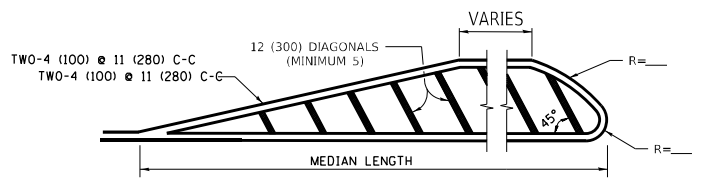


**TYPICAL CROSSWALK MARKING**

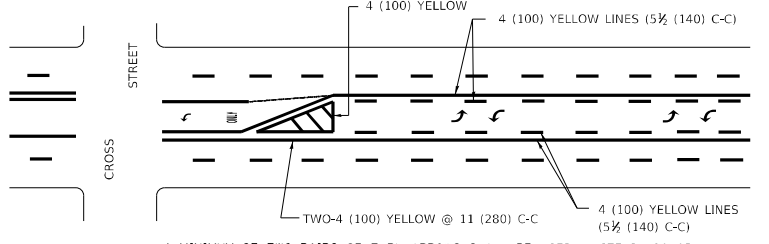
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

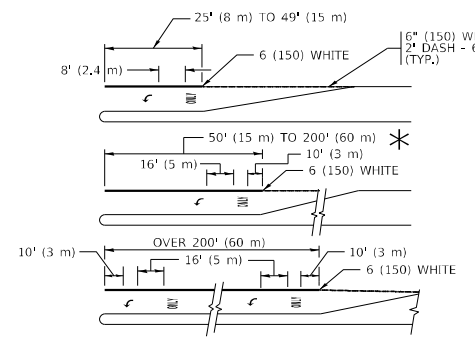


**MEDIANS OVER 4' (1.2 m) WIDE**



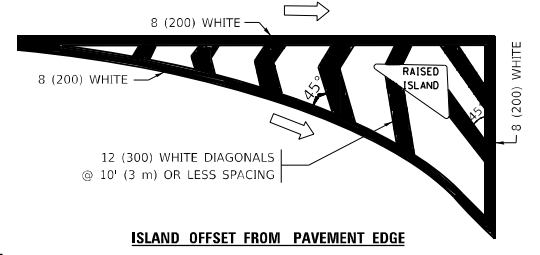
**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

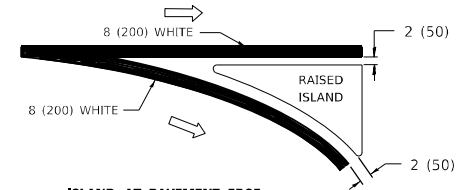


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

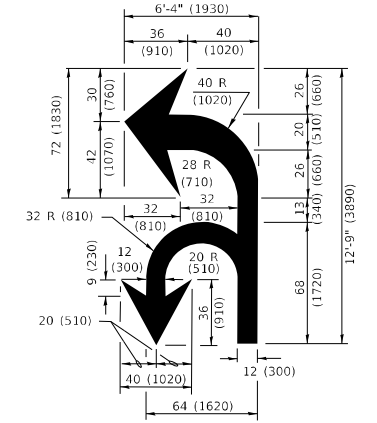


**ISLAND OFFSET FROM PAVEMENT EDGE**

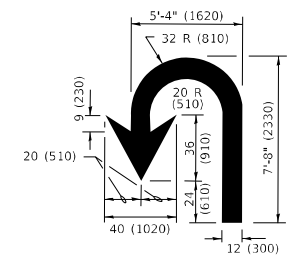


**ISLAND AT PAVEMENT EDGE**

**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 <sup>2</sup> EACH) "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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USER NAME = mohammad.hamwi	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 5/12/2023	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

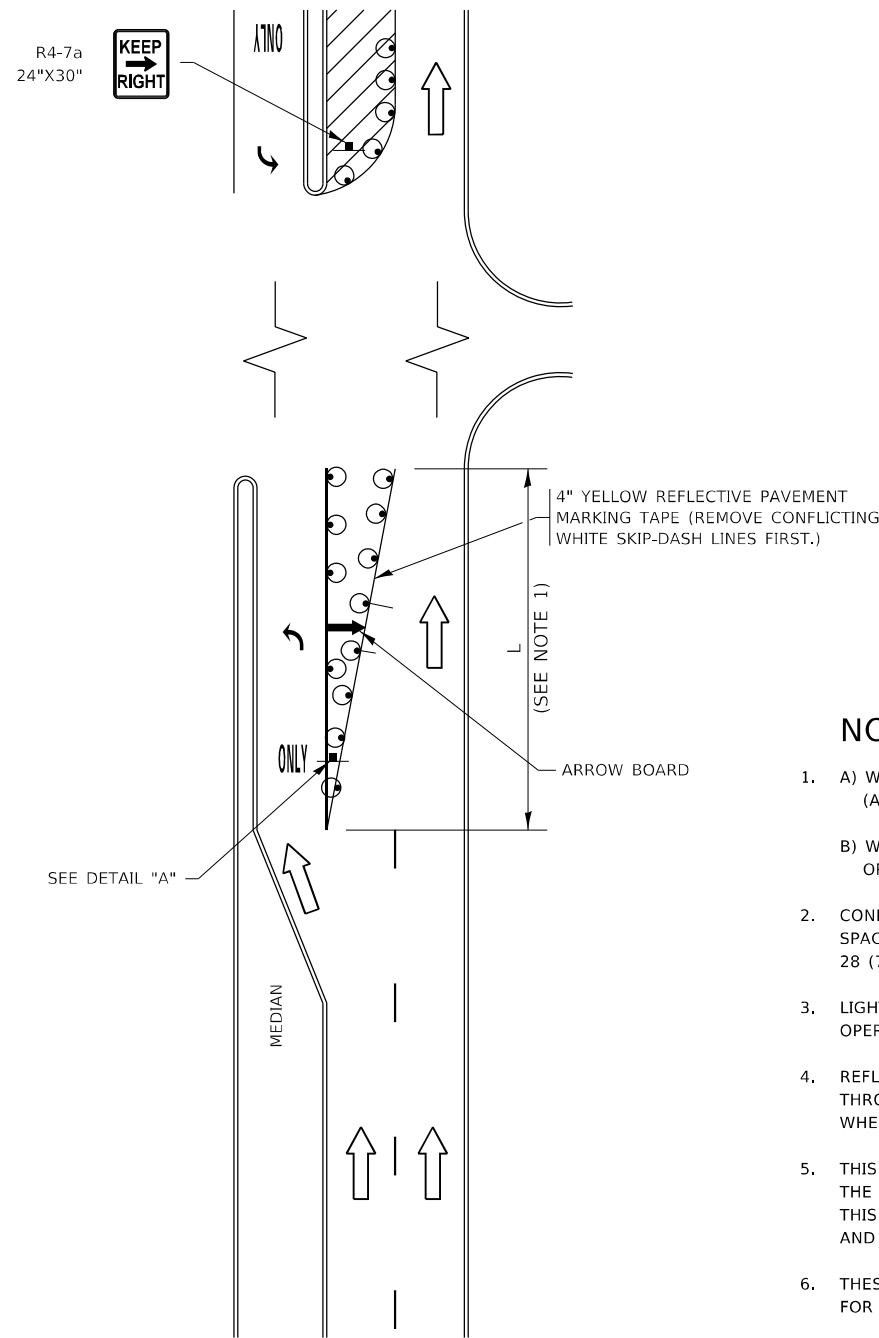
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

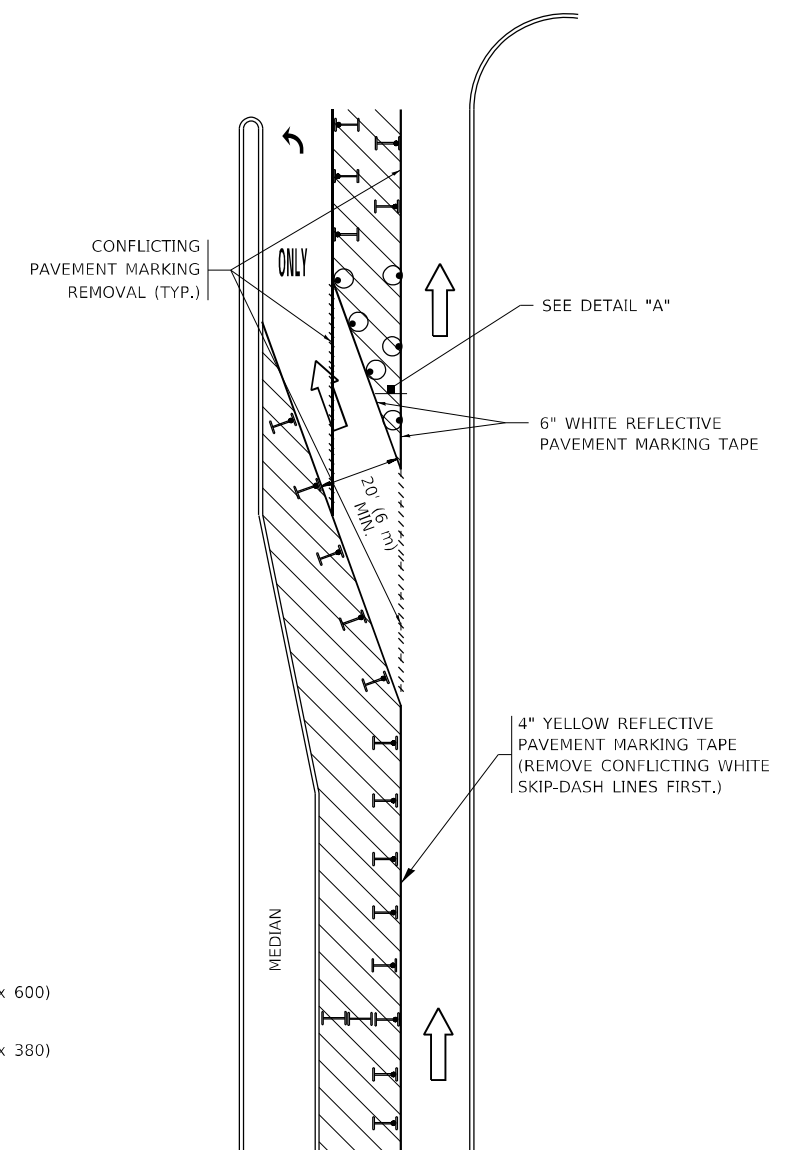
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	58
<b>TC-13</b>		CONTRACT NO. 62U08		
		ILLINOIS FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



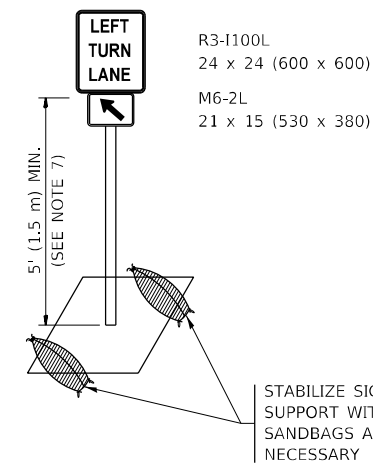
**FIGURE 2**

### 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.

MODEL: Default  
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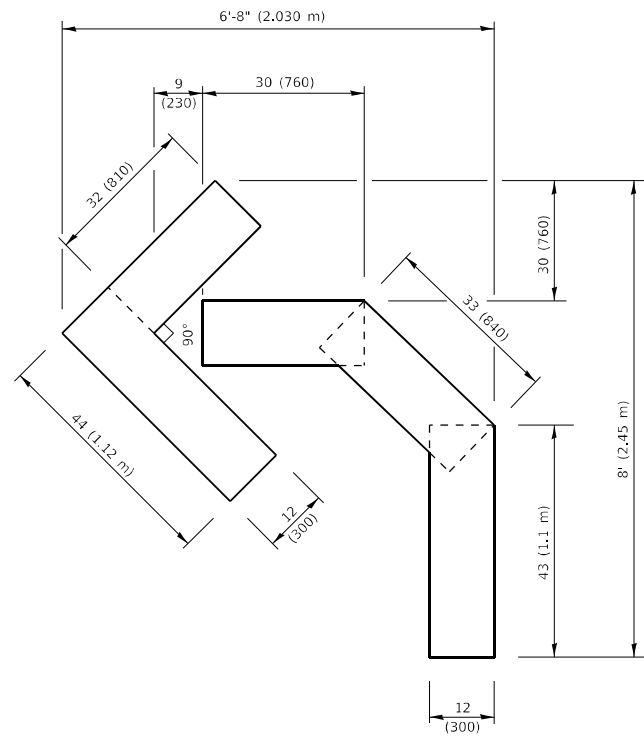
USER NAME = mohammad.hamwi	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/12/2023	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

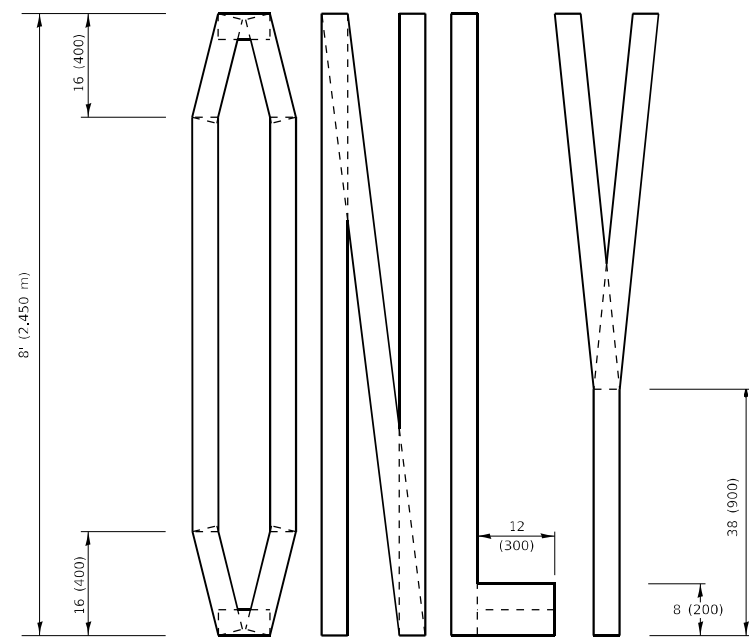
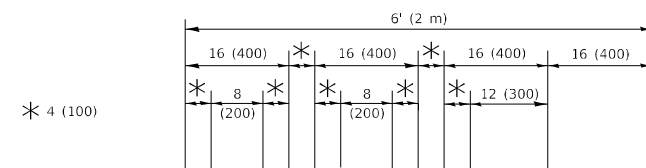
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	59
TC-14		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				



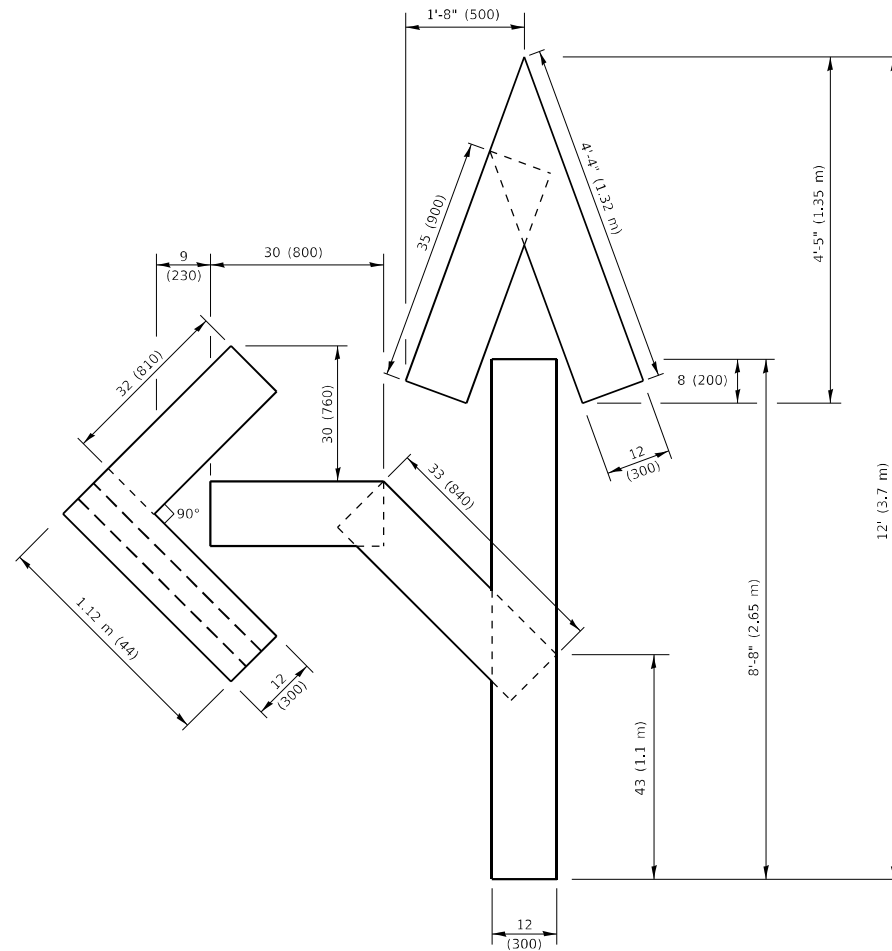
**QUANTITY**

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)

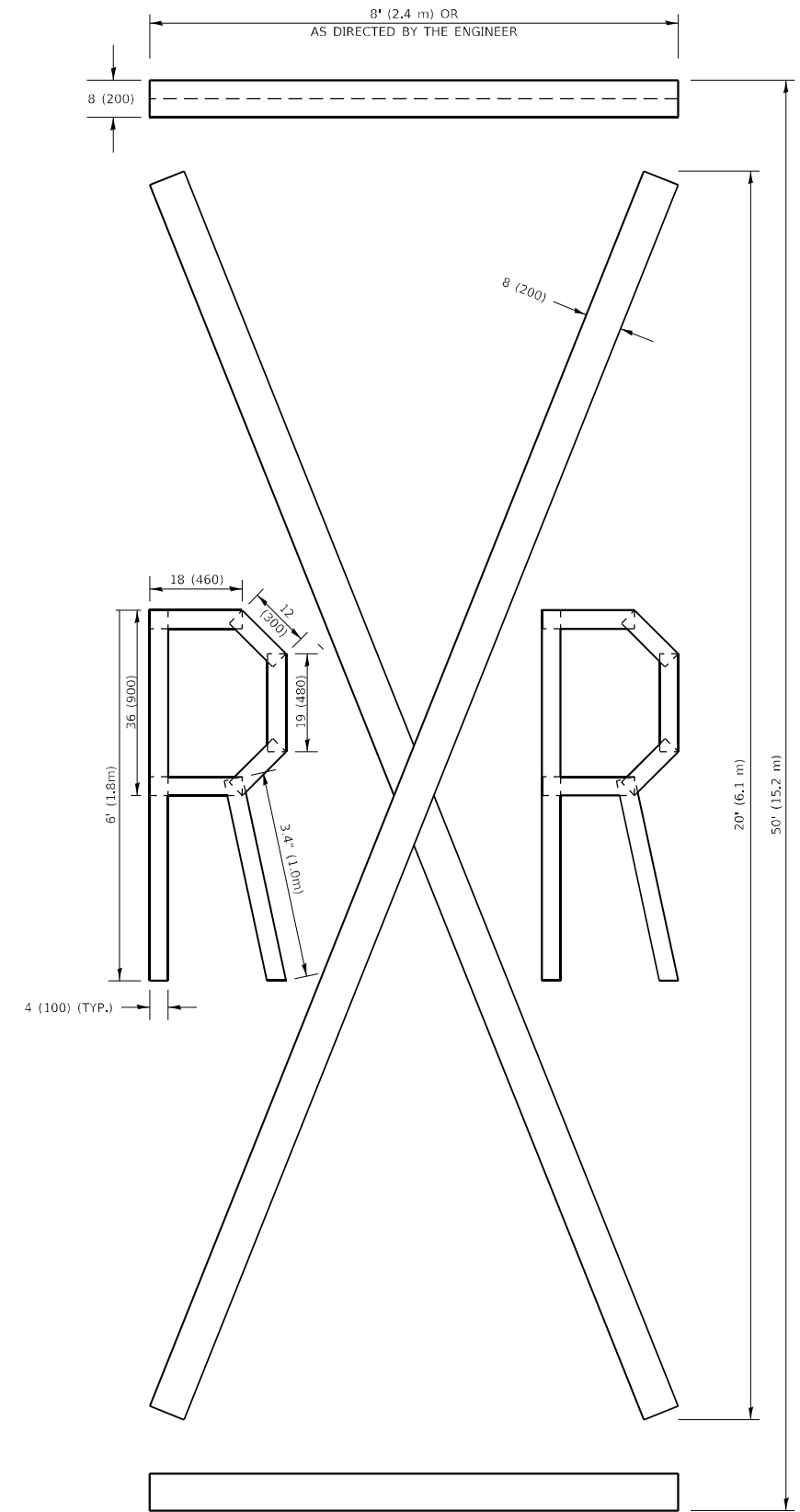


**QUANTITY**

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.

MODEL: Default  
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 5/12/2023	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.
353	FAP 353 22 RS	COOK	62	60
<b>TC-16</b>		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE: M4-8A - TC-21 Detour - New.bentley.com/P/USDOT/Document/1/001/Office/Dir/strct\_11/Project/10131622/CADD/Info/Design/Dir/STC.dgn


**ROUTE MARKERS**


 FOR U.S. ROUTES  
M1-40-2424


 FOR ILLINOIS ROUTES  
M1-50-2424


 R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND


**ARROWS SIGNS**

 M5-1L-2115


 M5-1R-2115


 M6-1-2115


 M6-2-2115


 M6-3-2115


**CARDINAL DIRECTION & DETOUR SIGNS**

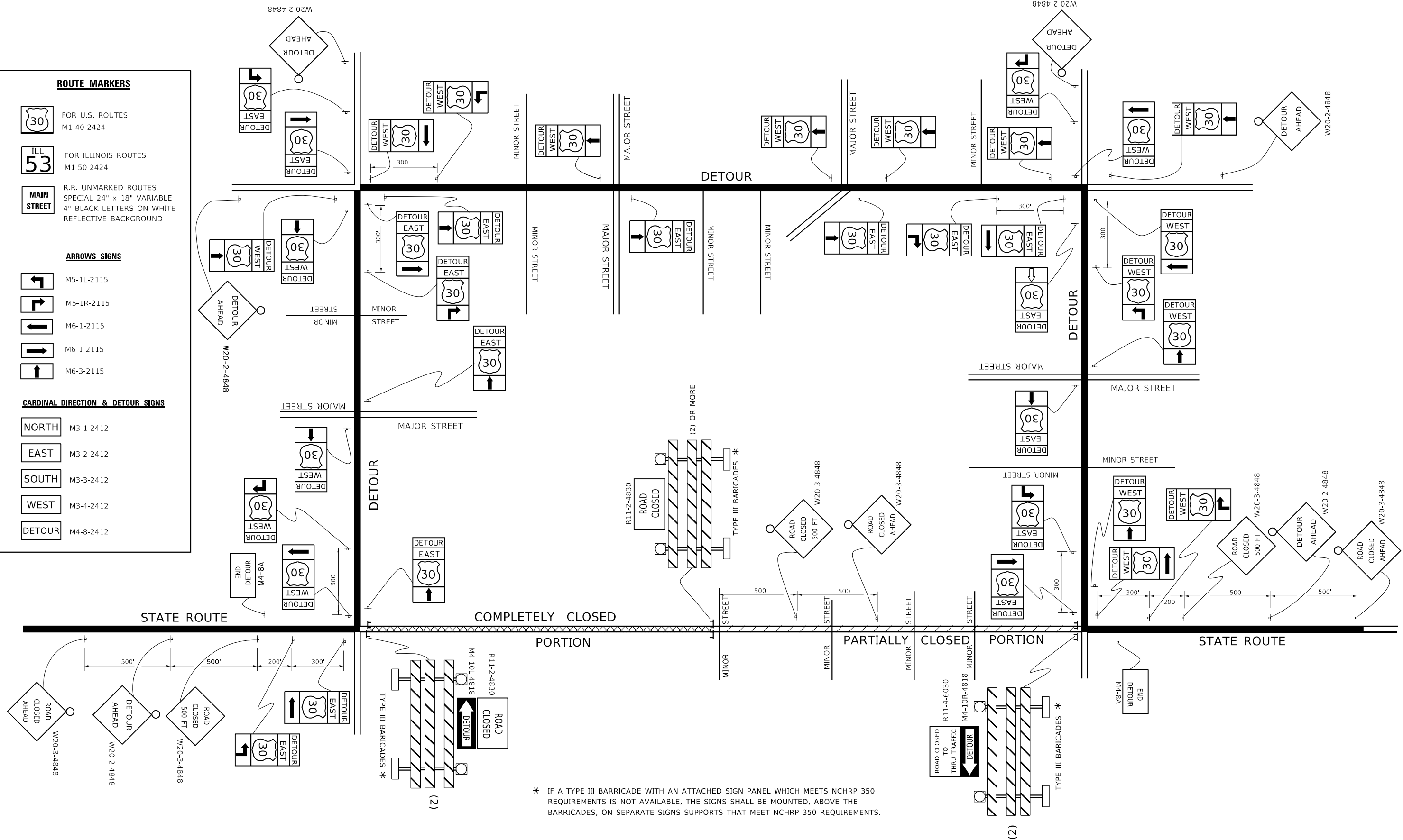
 NORTH M3-1-2412

 EAST M3-2-2412

 SOUTH M3-3-2412

 WEST M3-4-2412

 DETOUR M4-8-2412



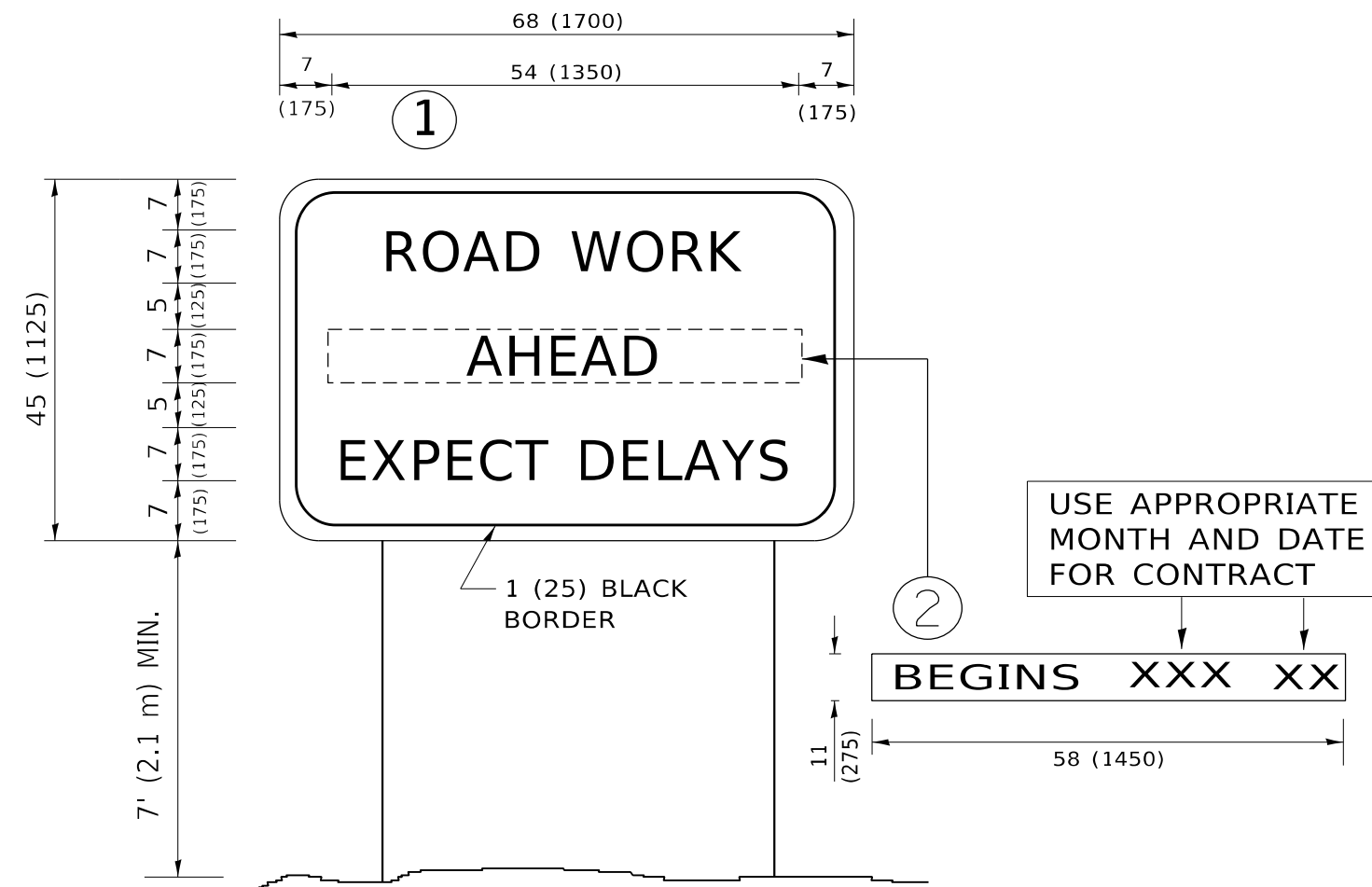
\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = mohammad.hamwi	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/21/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 353	SECTION FAP 353 22 RS	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 60A
<b>TC-21</b>		CONTRACT NO. 62U08		
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.

MODEL: Default  
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 5/12/2023	DATE -	REVISED - C. JUCIUS 01-31-07

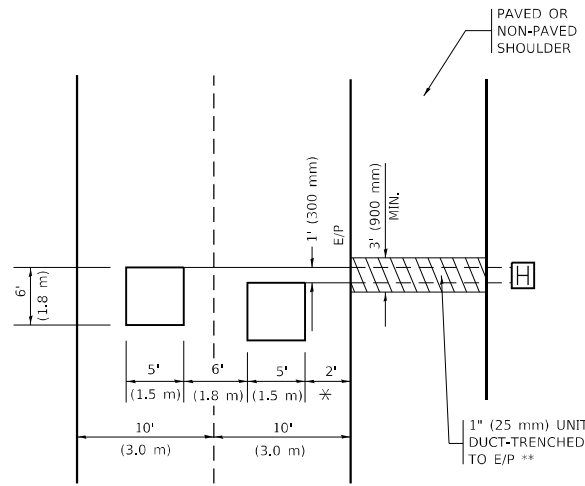
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	61
<b>TC-22</b>		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

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

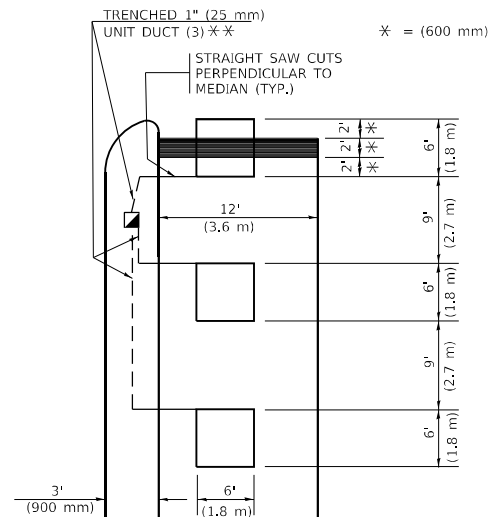


\* = (600 mm)

\*\* 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)**

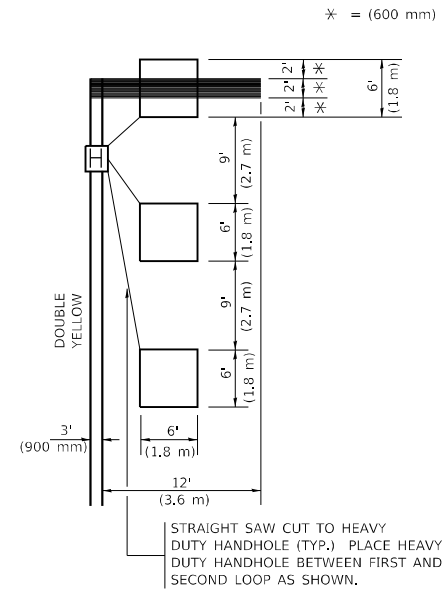
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

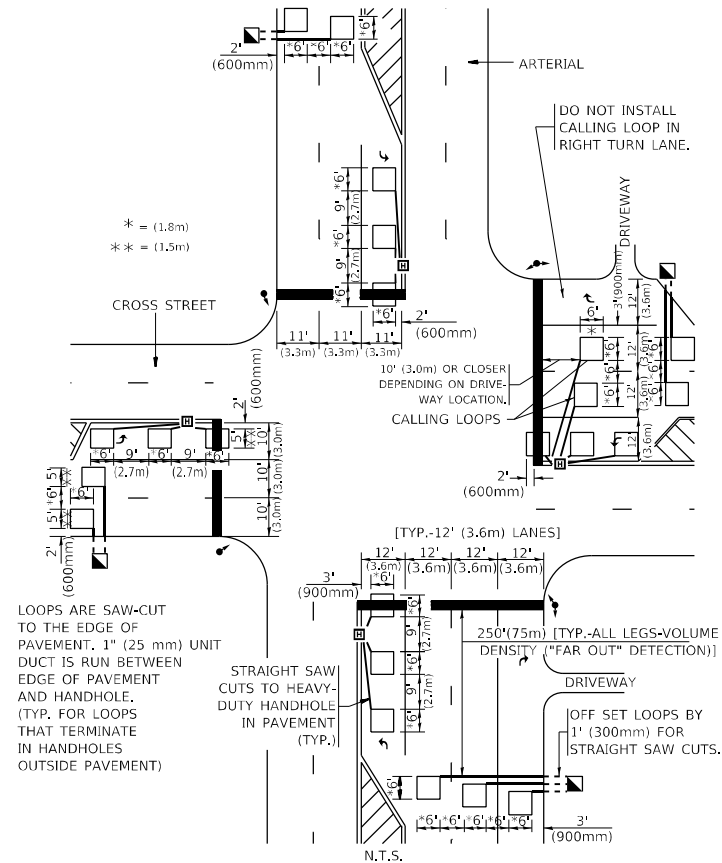
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



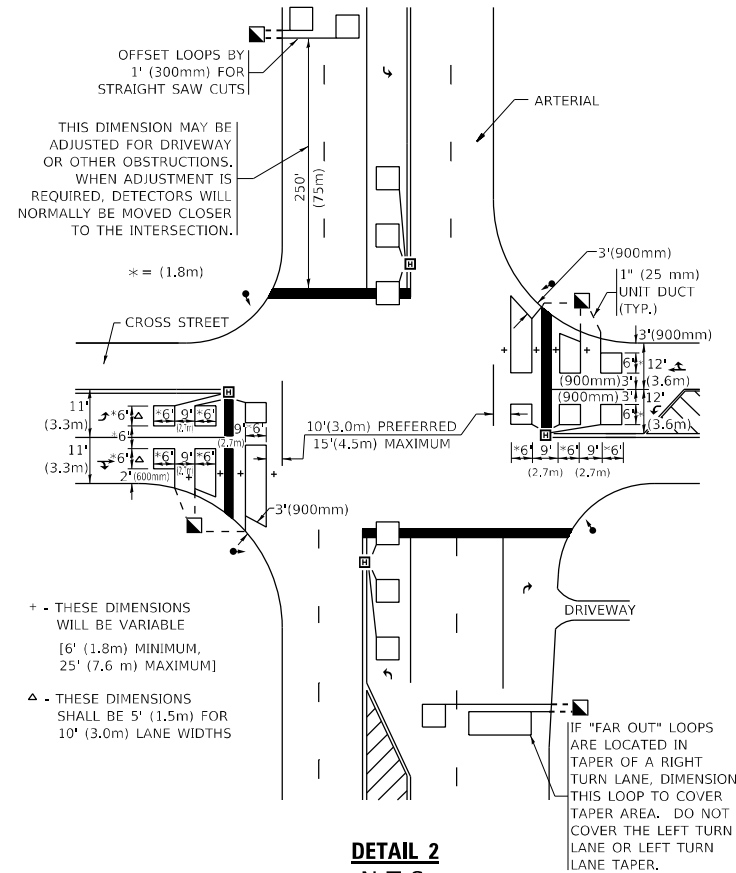
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



**DETAIL 1**  
N.T.S.

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



**DETAIL 2**  
N.T.S.

**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.

MODEL: Default  
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

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

<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION</b>			
<b>DETAILS FOR ROADWAY RESURFACING</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	FAP 353 22 RS	COOK	62	62
<b>TS-07</b>		CONTRACT NO. 62U08		
ILLINOIS FED. AID PROJECT				