03-11-2022 LETTING ITEM 136

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52*	1
		ILLINOIS	CONTRACT NO. 62L19	

* 52 + 1 = 53 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAU ROUTE 2714: 25TH AVENUE
I-290 (EISENHOWER EXPWY) TO 26TH STREET
SECTION: 2020-047-RS&SW
PROJECT: STP-KHE9(036)
STANDARD OVERLAY AND ADA IMPROVEMENTS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF BROADVIEW & VILLAGE OF FOREST PARK

TRAFFIC DATA:

25TH AVENUE:

PROJECT BEGIN TO CERMAK RD:
ADT (2018) = 9,150
SPEED LIMIT = 35 MPH

CERMAK RD TO ROOSEVELT RD:
ADT (2018) = 16,200
SPEED LIMIT = 35 MPH

ROOSEVELT RD TO PROJECT END:
ADT (2018) = 20,100
SPEED LIMIT = 30-35 MPH

PROJECT ENDS STA. 121+66

PROJECT BEGINS STA. 16+77

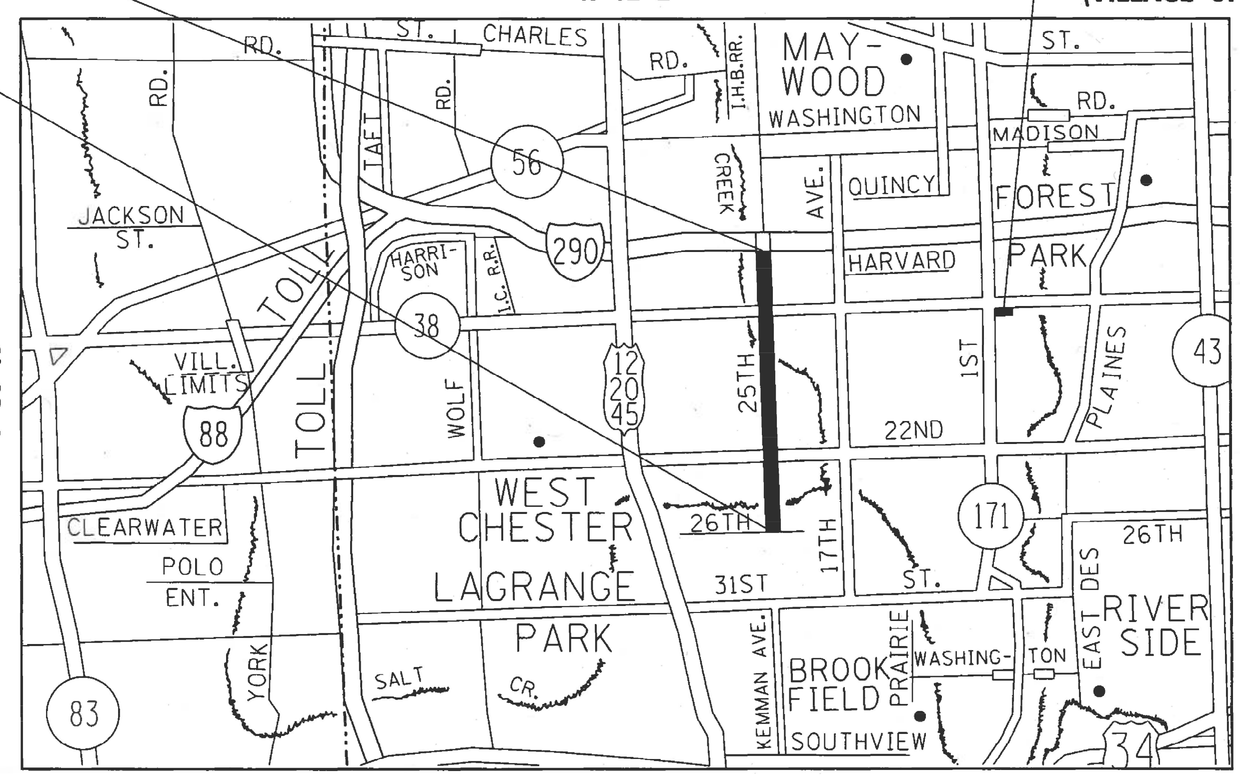
OMISSIONS:
STA. 23+65 TO 25+71
STA. 74+00 TO 77+42.5
STA. 80+49 TO 81+21
STA. 95+60 TO 97+22

COOK COUNTY
C-91-237-20

R 12 E

T 39 N

PROPOSED SIDEWALK SE CORNER OF IL 171 AND ROOSEVELT RD (VILLAGE OF FOREST PARK)

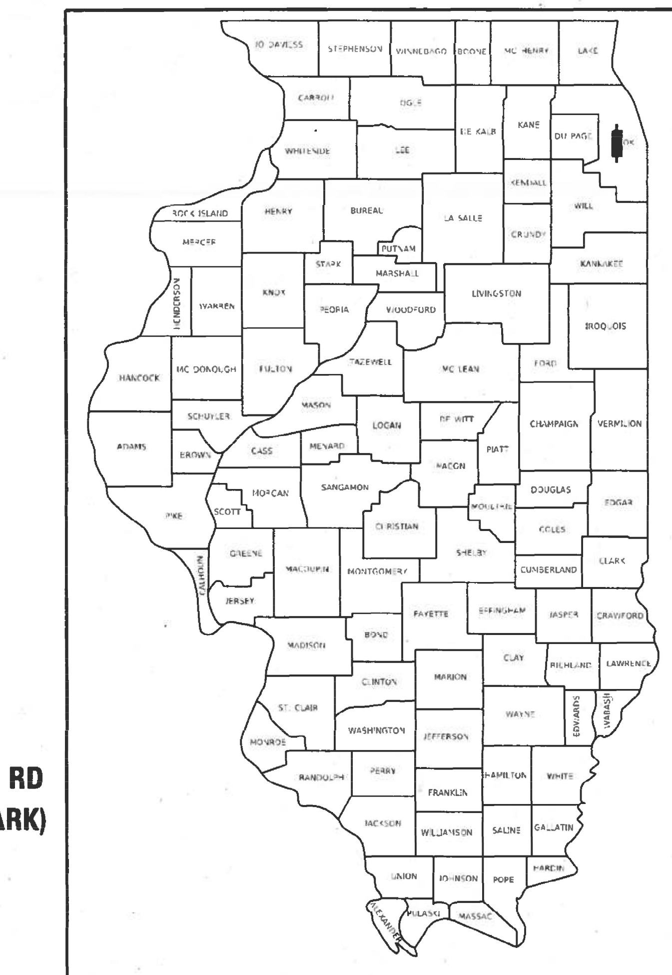


N
LOCATION MAP (NOT TO SCALE)

PROVISO TOWNSHIP

GROSS LENGTH = 10,489 FT. = 1.987 MILE
NET LENGTH = 9,706.5 FT. = 1.838 MILE

D-91-430-20



LOCATION OF SECTION INDICATED THUS: -

100' 200' 300' — 1" = 100'
10' 20' 30' — 1" = 10'
50' 100' — 1" = 50'
50' 100' — 1" = 40'
50' 100' — 1" = 30'
50' 100' — 1" = 20'

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 EXCAVATORS
1-800-892-0123
OR 811

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

CONTRACT NO. 62L19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 8 20 21
Jose Rios (CAB)
REGIONAL ENGINEER

February 4 20 22
[signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 4 20 22
Stephen M Travia
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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REV-SEP

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALK
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALK
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
424021-06	DEPRESSED CORNER FOR SIDEWALK
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD, STRIPS/SHLD, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
602001-02	CATCH BASIN TYPE A
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATION, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATION, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOURS NOTIFICATION REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, VILLAGE OF BROADVIEW.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSIONS FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
6. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE.
7. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MININMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
8. THE RESIDENT ENGINEER SHALL CONTACT MR. EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING,
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON-SITE TESTING BY THE ENVIRONMENTAL FIRM, NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED, FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.
10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
11. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
12. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
13. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
14. SIDEWALK REMOVAL AND P.C.C SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
15. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING LIMITS (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
16. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
17. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTERS AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

SEE SHEET 3 FOR CONTINUATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	2
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

18. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MIN. 1:3 (V:H).

19. 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.

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

21. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO THE ARTICLE 194.04 OF THE STANDARD UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.

22. PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.

23. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

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

25. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO THE BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT

26. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

27. THE CONTRACTOR MUST USE EXTREME CARE AND CAUTION WHEN MILLING AND PAVING THE PAVEMENT UNDER THE RAILROAD BRIDGE SO AS TO AVOID ACCIDENTLY HITTING THE BRIDGE/PIERS WITH ANY EQUIPMENT. IT'S RECOMMENDED THAT MILLING UNDER THE RR STRUCTURE BE DONE USING A GRINDER MOUNTED ON A SKID-STEER/BOBCAT LOADER

28. MILLING AND RESURFACING UNDER THE RAILROAD STRUCTURE MUST NOT CHANGE OR NEGATIVELY IMPACT THE MINIMUM VERTICAL CLEARANCE UNDER THE STRUCTURE

29. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

30. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK, THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
25TH AVE (I–290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	3
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
CODE NO	ITEM	UNIT							
X4420486	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	35			35			
	(SPECIAL)								
20101000	TEMPORARY FENCE	FOOT	1926	1926					
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	26	26					
20200100	EARTH EXCAVATION	CU YD	1524	1455		69			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	237	169		68			
25000115	SEEDING, CLASS 1B	ACRE	1.25	1.25					
25000310	SEEDING, CLASS 4	ACRE	0.25	0.25					
25000750	MOWING	ACRE	2	2					
25100125	MULCH, METHOD 3	ACRE	1.5	1.25		0.25			
25100630	EROSION CONTROL BLANKET	SQ YD	79	79					
25200110	SODDING, SALT TOLERANT	SQ YD	329	261		68			
25200200	SUPPLEMENTAL WATERING	UNIT	4	3		1			
28000400	PERIMETER EROSION BARRIER	FOOT	200	200					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	817	817					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2400	2400					
35501316	HOT-MIX ASPAHLT BASE COURSE, 8"	SQ YD	134	134					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
CODE NO	ITEM	UNIT							
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	775	775					
35600714	HOT-MIX ASPHALT BASE COURSE WIDENING, 9	SQ YD	27	27					
	1/2"								
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32482	32478		4			
40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	15	15					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	17172	17172					
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	66	66					
	FLANGEWAYS								
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	531	531					
	JOINT								
40600985	PORTLAND CEMENT CONCRETE SURFACE	SQ YD	490	490					
	REMOVAL - BUTT JOINT								
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	2040	2040					
	COURSE, IL-4.75, N50								
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	4905	4905					
	COURSE, IL-9.5, MIX "E", N70								
42001300	PROTECTIVE COAT	SQ YD	975	655		320			

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
25TH AVE (1-290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	4
		CONTRACT NO. 62L19		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

REV-SEP

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4231	2020		2211			
42400800	DETECTABLE WARNINGS	SQ FT	223	196		27			
44000100	PAVEMENT REMOVAL	SQ YD	695	695					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	43966	43966					
44000600	SIDEWALK REMOVAL	SQ FT	2455	2455					
44003100	MEDIAN REMOVAL	SQ FT	2121	2121					
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	861	845		16			
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	538	538					
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	261	261					
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	463	463					
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	295	295					
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	84	84					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	85	85					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2264	2264					

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	16	16					
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6					
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	5	5					
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	2					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	35	35					
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	1	1					
60618730	CONCRETE MEDIAN, TYPE M-2.06	SQ FT	2121	2121					
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4					
63200310	GUARDRAIL REMOVAL	FOOT	200	200					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1480	1455		25			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	5

CONTRACT NO. 62L19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

REV-SEP

	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
	CODE NO	ITEM	UNIT							
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1					
		REPORT								
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
	67100100	MOBILIZATION	L SUM	1	1					
	70102620	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		STANDARD 701501								
	70102630	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		STANDARD 701601								
	70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		STANDARD 701602								
	70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		STANDARD 701701								
	70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		STANDARD 701801								
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	45	45					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	11067	11067					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4641	4641					

	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
	CODE NO	ITEM	UNIT							
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	78	78					
		SYMBOLS - PAINT								
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	28162	28162					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	765	765					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	160	160					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	693	693					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	40	40					
	70306120	TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2767	2767					
*	72000100	SIGN PANEL - TYPE 1	SQ FT	6.25	6.25					
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4					
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15					
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1					
*	78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	78	78					
		LETTERS AND SYMBOLS								
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	28162	28162					
		4"								

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	6
		CONTRACT NO. 62L19		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	765	765					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	160	160					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1071	693		378			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	40	40					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1312	1312					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	741	741					
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	741	741					
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	11105	11105					
84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	470	470					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1			1			

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327120	WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	ACRE	2	2					
X0900075	COFFERDAM(TYPE 1)(IN-STREAM/WETLAND WORK)	EACH	1	1					
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	1.25	1.25					
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	38	38					
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	584	584					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	350	350					
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1500		1500				
X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	1	1					
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	21	21					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	7
		CONTRACT NO. 62L19		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			
✳ X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	2	2					
Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	448	372		76			
	REMOVAL AND REPLACEMENT								
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	41		41				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2					
✳ Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	1			1			
	1								
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
Ø Z0076600	TRAINEES	HOURS	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE	0021 80% FED 20% STATE			

Ø 0042

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
25TH AVE (1–290 (EISENHOWER EXPWY) TO 26TH ST)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	8

CONTRACT NO. 62L19

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

REV-SEP

LOCATION				#1011573	20200100	21101615	25100125	25200110	25200200	40600290	42001300	42400200	42400800	44000600	Z0004562
MUNICIPALITY	STATE ROUTE	CROSS STREET	CORNER	CLASS D PATCHES, TYPE IV, 6 INCH (SPECIAL)	EARTH EXACAVATION	TOPSOIL FURNISH AND PLACE, 4"	MULCH, METHOD 3	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	BITUMINOUS MATERIALS (TACK COAT)	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK, 5INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
				SQ YD	CU YD	SQ YD	ACRE	SQ YD	UNIT	POUND	SQ YD	SQ FT	SQ FT	SQ FT	FOOT
VILLAGE OF BROADVIEW	25TH AVENUE	SALT CREEK TRAIL	NE	0	1.8	5.8	0.0	5.8	0.06	0.0	19.4	175	30	175	0
	25TH AVENUE	SALT CREEK TRAIL	NW	0	1.8	5.8	0.0	5.8	0.06	0.0	19.4	175	30	175	0
	25TH AVENUE	22ND STREET	SE	0	1.8	8.5	0.0	8.5	0.09	0.0	24.8	175	10	175	16
	25TH AVENUE	14TH STREET	NE	0	1.1	11.7	0.0	11.7	0.12	0.0	5.0	0	0	105	15
	25TH AVENUE	14TH STREET	SE	0	3.1	11.7	0.0	11.7	0.12	0.0	27.2	200	10	305	15
	25TH AVENUE	13TH STREET	NE	0	1.0	11.1	0.0	11.1	0.11	0.0	5.0	0	0	100	15
	25TH AVENUE	13TH STREET	SE	0	1.0	11.1	0.0	11.1	0.11	0.0	5.0	0	0	100	15
	25TH AVENUE	FILMORE STREET	NE	0	2.0	9.5	0.0	9.5	0.10	0.0	27.9	200	16	200	17
	25TH AVENUE	FILMORE STREET	SE	0	2.0	9.5	0.0	9.5	0.10	0.0	27.9	200	14	200	17
	25TH AVENUE	HARVARD STREET	SW	0	1.8	8.3	0.0	8.3	0.08	0.0	24.4	175	10	175	15
	25TH AVENUE	LEXINGTON STREET	NE	0	2.7	14.3	0.0	14.3	0.14	0.0	40.4	265	46	265	33
	25TH AVENUE	LEXINGTON STREET	NW	0	2.5	13.5	0.0	13.5	0.14	0.0	37.9	245	20	245	32
	25TH AVENUE	LEXINGTON STREET	SE	0	2.4	14.9	0.0	14.9	0.15	0.0	33.7	210	10	235	31
VILLAGE OF FOREST PARK	IL 171	ROOSEVELT ROAD	SE	35	69.0	68.0	0.3	68.0	1.00	4.0	320.0	2211	27	0	76
	TOTAL			35	94	204	0.3	204	2	4	618	4231	223	2455	297

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SCHEDULE OF QUANTITIES – ADA IMPROVEMENT
25TH AVE (I–290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	9
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

CODE NUMBER

20101300

TREE PRUNING (1 TO 10 INCH DIAMETER)		
STATION	QUANTITY	SPECIES
84+80 RT	1 EA	JAPANESE LILAC
86+40 RT	1 EA	JAPANESE LILAC
TOTAL	**2 EACH**	

20101350

TREE PRUNING (OVER 10 INCH DIAMETER)		
STATION	QUANTITY	SPECIES
70+10 RT	1 EA	HONEY LOCUST
70+70 RT	1 EA	HONEY LOCUST
71+45 RT	1 EA	HONEY LOCUST
71+80 RT	1 EA	HONEY LOCUST
72+30 RT	1 EA	HONEY LOCUST
78+75 RT	1 EA	HONEY LOCUST
79+30 RT	1 EA	HONEY LOCUST
79+75 LT	1 EA	MAPLE
83+65 RT	1 EA	SILVER MAPLE
83+85 RT	1 EA	SILVER MAPLE
84+10 RT	1 EA	SILVER MAPLE
84+50 RT	1 EA	SILVER MAPLE
85+10 RT	1 EA	CRIMSON NORWAY MAPLE
85+45 RT	1 EA	SILVER MAPLE
86+80 RT	1 EA	SILVER MAPLE
86+90 LT	1 EA	LINDEN
84+10 RT	1 EA	MAPLE
87+50 RT	1 EA	SILVER MAPLE
87+95 LT	1 EA	PEAR
88+10 RT	1 EA	SILVER MAPLE
88+60 LT	1 EA	NORWAY MAPLE
89+20 LT	1 EA	PEAR
90+20 LT	1 EA	MAPLE
91+55 RT	1 EA	SILVER MAPLE
92+70 RT	1 EA	SILVER MAPLE
94+20 RT	1 EA	SILVER MAPLE
TOTAL	**26 EACH**	

X2010350

TREE REMOVAL, ACRES (SPECIAL)		
STATION	QUANTITY	
16+29 TO 20+40 RT	7,020 SQ. FT.	351 FT X 20 FT
16+29 TO 20+40 LT	7,020 SQ. FT.	351 FT X 20 FT
25+35 TO 32+50 LT	25,025 SQ. FT.	715 FT X 35 FT
25+35 TO 29+50 RT	12,450 SQ. FT.	415 FT X 30 FT
31+80 TO 33+60 RT	2,700 SQ. FT.	15 FT X 180 FT
75+10 TO 75+80 LT	1,050 SQ. FT.	70 FT X 15 FT
76+45 TO 77+15 LT	1,050 SQ. FT.	70 FT X 15 FT
74+60 TO 75+00 RT	600 SQ. FT.	40 FT X 15 FT
75+60 TO 76+15 RT	825 SQ. FT.	15 FT X 55 FT
TOTAL SQ. FT.	57,740 SQ. FT.	/43560 SQ. FT. (ACRE) = 1.326 ACRE
TOTAL	**1.3 ACRE**	

25000750

MOWING		
STATION	QUANTITY	
16+89 TO 24+40 LT	22,530 SQ. FT.	751 FT X 30 FT
16+89 TO 24+00	21,330 SQ . FT.	711 FT X 30 FT
25+35 TO 32+50 LT	25,025 SQ. FT	715 FT X 35 FT
25+35 TO 29+50 RT	12,450 SQ. FT.	415 FT X 30 FT
TOTAL SQ. FT.	81,335 SQ. FT.	/43,560 SQ. FT (ACRE) = 1.867 ACRE
TOTAL	**1.9 ACRE**	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES – LANDSCAPING
25TH AVE (I–290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	10
		CONTRACT NO. 62L19		
		ILLINOIS	FED. AID PROJECT	

CODE NUMBER

X0327120 — **WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT**

STATION	QUANTITY	
16+89 TO 24+40 LT	22,530 SQ. FT.	751 FT X 30 FT
16+89 TO 24+00	21,330 SQ . FT.	711 FT X 30 FT
25+35 TO 32+50 LT	25,025 SQ. FT	715 FT X 35 FT
25+35 TO 29+50 RT	12,450 SQ. FT.	415 FT X 30 FT
31+80 TO 33+60 RT	2,700 SQ. FT.	180 FT X 15 FT
75+10 TO 75+80 LT	1,050 SQ. FT.	70 FT X 15 FT
76+45 TO 77+15 LT	1,050 SQ. FT.	70 FT X 15 FT
74+60 TO 75+00 RT	600 SQ. FT.	40 FT X 15 FT
75+60 TO 76+15 RT	825 SQ. FT.	15 FT X 55 FT
TOTAL SQ. FT.	87,560 SQ. FT	43,560 SQ. FT (ACRE) = 2.010 ACRE
TOTAL	**2.0 ACRE**	

25100125 — **MULCH METHOD 3**

STATION	QUANTITY	
16+29 TO 20+40 RT	7,020 SQ. FT.	351 FT X 20 FT
16+29 TO 20+40 LT	7,020 SQ. FT.	351 FT X 20 FT
25+35 TO 32+50 LT	25,025 SQ. FT.	715 FT X 35 FT
25+35 TO 29+50 RT	12,450 SQ. FT.	415 FT X 30 FT
31+80 TO 33+60 RT	2,700 SQ. FT.	15 FT X 180 FT
75+10 TO 75+80 LT	1,050 SQ. FT.	70 FT X 15 FT
76+45 TO 77+15 LT	1,050 SQ. FT.	70 FT X 15 FT
74+60 TO 75+00 RT	600 SQ. FT.	40 FT X 15 FT
75+60 TO 76+15 RT	825 SQ. FT.	15 FT X 55 FT
TOTAL SQ. FT.	57,740 SQ. FT.	/43560 SQ. FT. (ACRE) = 1.326 ACRE
TOTAL	**1.3 ACRE**	

25000115 — **SEEDING, CLASS 1B**

STATION	QUANTITY	
16+29 TO 20+40 RT	7,020 SQ. FT.	351 FT X 20 FT
16+29 TO 20+40 LT	7,020 SQ. FT.	351 FT X 20 FT
25+35 TO 32+50 LT	25,025 SQ. FT.	715 FT X 35 FT
25+35 TO 29+50 RT	12,450 SQ. FT.	415 FT X 30 FT
31+80 TO 33+60 RT	2,700 SQ. FT.	15 FT X 180 FT
75+10 TO 75+80 LT	1,050 SQ. FT.	70 FT X 15 FT
76+45 TO 77+15 LT	1,050 SQ. FT.	70 FT X 15 FT
74+60 TO 75+00 RT	600 SQ. FT.	40 FT X 15 FT
75+60 TO 76+15 RT	825 SQ. FT.	15 FT X 55 FT
TOTAL SQ. FT.	57,740 SQ. FT.	/43560 SQ. FT. (ACRE) = 1.326 ACRE
TOTAL	**1.3 ACRE**	

Contact the IDOT Roadside Development Unit at 847-705-4171 at least 2 weeks prior to beginning landscape and forestry work for layout.

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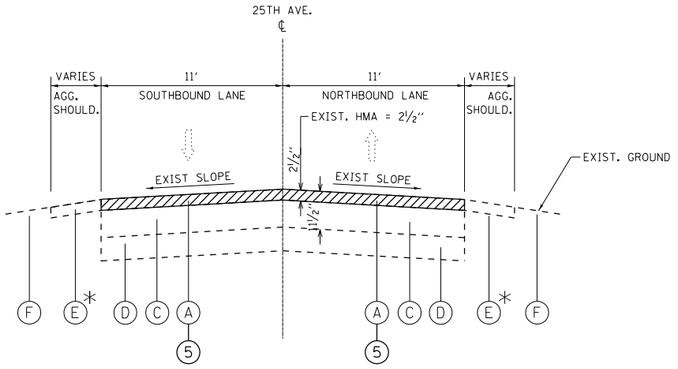
SCHEDULE OF QUANTITIES – LANDSCAPING
25TH AVE (I–290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

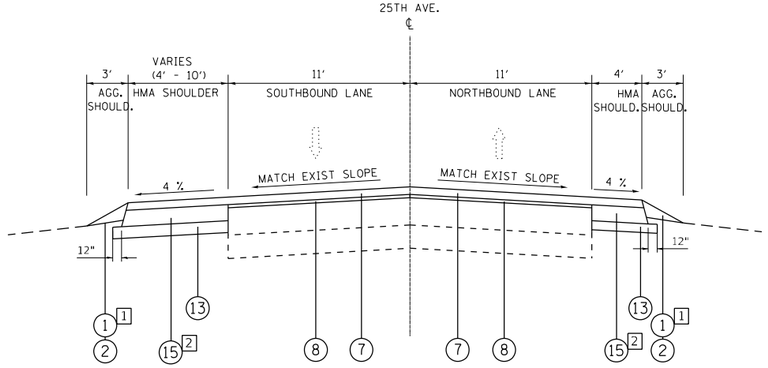
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	11
		CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION
25TH AVE.
STA. 16+77 TO STA. 41+45

OMISSION STATIONS:
STA. 23+65 TO STA. 25+71

* EXISTING AGGREGATE SHOULDER FROM STATION 16+77 TO 41+45



PROPOSED TYPICAL SECTION
25TH AVE.
STA. 16+77 TO STA. 41+45

OMISSION STATIONS:
STA. 23+65 TO STA. 25+71

[1] = PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B FROM STATION 16+77 TO 41+45

[2] = PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
LOCATION AND WIDTH OF PROPOSED SHOULDER SHOWN ON PLANS.

LEGEND

(A) EXISTING HMA 2½"
(B) EXISTING HMA PAVEMENT, 6" (+/-)
(C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
(D) EXISTING SUBGRADE
(E) EXISTING AGGREGATE SHOULDER
(F) EXISTING GROUND
(G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
(1) PROPOSED GRADING & SHAPING SHOULDER
(2) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
(3) PROPOSED COMBINATION CONC. CURB AND GUTTER B-6.12
(4) CONCRETE MEDIAN REMOVAL
(5) HMA SURFACE REMOVAL, 2½"
(6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH (SEE DISTRICT DETAIL BD-33)
(7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, (1¾")
(8) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (¾")
(9) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (1")
(10) PROPOSED HOT-MIX ASPHALT BASE COURSE (9½")
(11) PROPOSED CLASS D PATCH, 9"
(12) BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT (SEE DISTRICT DETAIL "BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT BD-33)
(13) PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
(14) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
(15) PROPOSED HMA SHOULDER, 8"
(16) PROPOSED PAINTED MEDIAN (SEE DISTRICT DETAIL TC-13 FOR SPACING)
(17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06

NOTE:

(1) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
(2) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE IL-4.74, N50

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOID @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70; 1¾"	4% AT 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% AT 50 GYR.	QCP
PCC PAVEMENT OVERLAY		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70; 1¾"	4% AT 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% AT 50 GYR.	QCP
PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm); 9", 13"	4% AT 70 GYR.	QC/QA
PATCHING (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4"	4% AT 70 GYR.	QC/QA
HMA SHOULDERS 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1¾"	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6¼"	4% AT 70 GYR.	QC/QA
HMA COMMERCIAL ENTRANCE DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% AT 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19 mm); 8"	4% AT 50 GYR.	QC/QA
MEDIAN RECONSTRUCTION		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70; 1¾"	4% AT 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% AT 50 GYR.	QCP
HMA BASE COURSE (HMA BINDER IL-19 mm); 9½"	4% AT 70 GYR.	QC/QA
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70; 1¾"	4% AT 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% AT 50 GYR.	QCP
HMA BASE COURSE WIDENING (HMA BINDER IL-19 mm); 9½"	4% AT 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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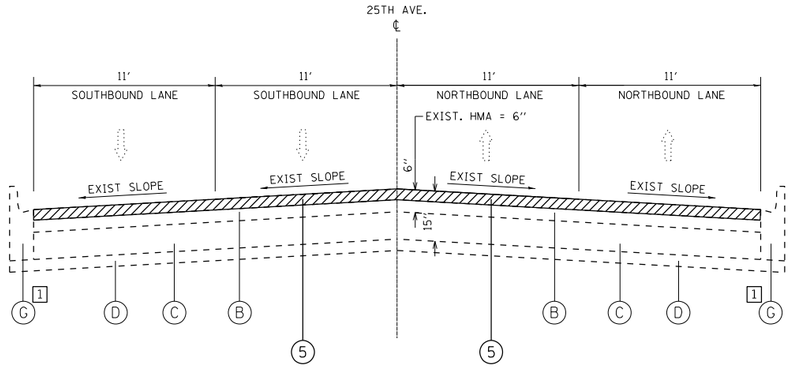
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	12
		CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

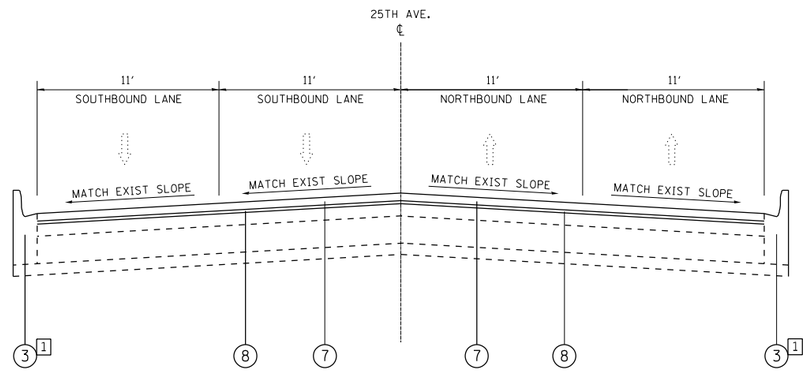


EXISTING TYPICAL SECTION
25TH AVE.
STA. 41+45 TO STA. 44+30

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

LEGEND

- (A) EXISTING HMA 2½"
- (B) EXISTING HMA PAVEMENT, 6" (+/-)
- (C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
- (D) EXISTING SUBGRADE
- (E) EXISTING AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
- (1) PROPOSED GRADING & SHAPING SHOULDER
- (2) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (3) PROPOSED COMBINATION CONC. CURB AND GUTTER B-6.12
- (4) CONCRETE MEDIAN REMOVAL
- (5) HMA SURFACE REMOVAL, 2½"
- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH (SEE DISTRICT DETAIL BD-33)
- (7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, (1¾")
- (8) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (¾")
- (9) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (1")
- (10) PROPOSED HOT-MIX ASPHALT BASE COURSE (9½")
- (11) PROPOSED CLASS D PATCH, 9"
- (12) BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT (SEE DISTRICT DETAIL "BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT BD-33)
- (13) PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- (14) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (15) PROPOSED HMA SHOULDER, 8"
- (16) PROPOSED PAINTED MEDIAN (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- (17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06



PROPOSED TYPICAL SECTION
25TH AVE.
STA. 41+45 TO STA. 44+30

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

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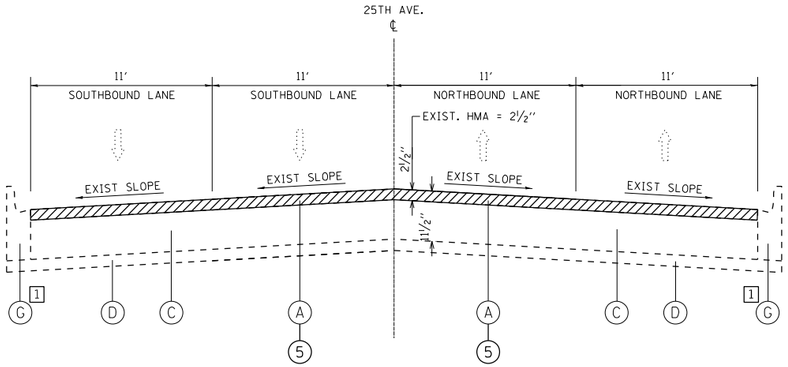
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	13
		CONTRACT NO. 62L19		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION
25TH AVE.
STA. 44+30 TO STA. 89+91

OMISSION STATIONS:
STA. 74+00 TO STA. 77+42.5
STA. 80+49 TO STA. 81+21

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

LEGEND

- (A) EXISTING HMA 2½"
- (B) EXISTING HMA PAVEMENT, 6" (+/-)
- (C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
- (D) EXISTING SUBGRADE
- (E) EXISTING AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
- (1) PROPOSED GRADING & SHAPING SHOULDER
- (2) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (3) PROPOSED COMBINATION CONC. CURB AND GUTTER B-6.12
- (4) CONCRETE MEDIAN REMOVAL
- (5) HMA SURFACE REMOVAL, 2½"
- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH (SEE DISTRICT DETAIL BD-33)
- (7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, (1¾")
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- (10) PROPOSED HOT-MIX ASPHALT BASE COURSE (9½")
- (11) PROPOSED CLASS D PATCH, 9"
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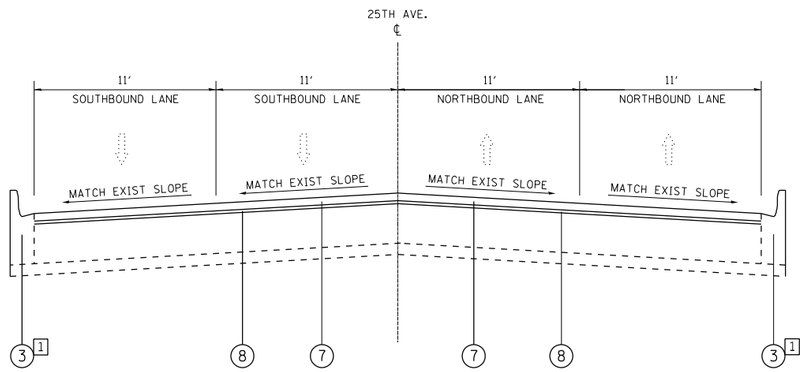
- (13) PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- (14) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (15) PROPOSED HMA SHOULDER, 8"
- (16) PROPOSED PAINTED MEDIAN (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- (17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06



PROPOSED TYPICAL SECTION
25TH AVE.
STA. 44+30 TO STA. 89+91

OMISSION STATIONS:
STA. 74+00 TO STA. 77+42.5
STA. 80+49 TO STA. 81+21

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

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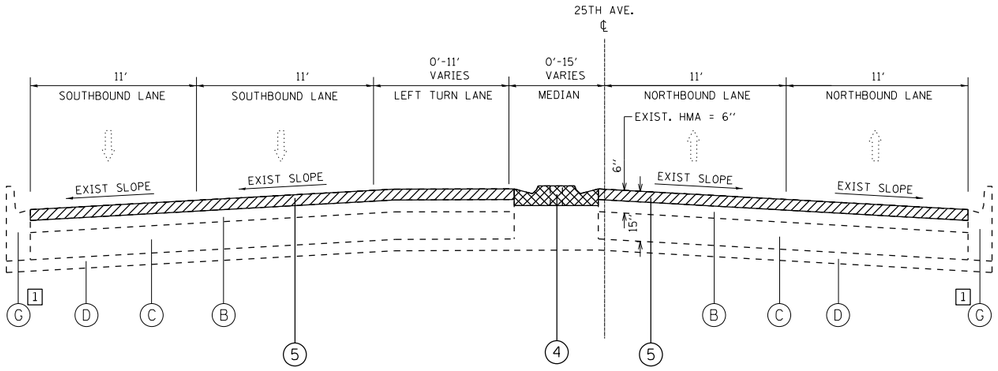
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	14
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION
25TH AVE.
STA. 89+91 TO STA. 114+02

OMISSION STATIONS:
STA. 95+60 TO 97+22

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

LEGEND

- (A) EXISTING HMA 2½"
- (B) EXISTING HMA PAVEMENT, 6" (+/-)
- (C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
- (D) EXISTING SUBGRADE
- (E) EXISTING AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
- (1) PROPOSED GRADING & SHAPING SHOULDER
- (2) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (3) PROPOSED COMBINATION CONC. CURB AND GUTTER B-6.12
- (4) CONCRETE MEDIAN REMOVAL
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- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH (SEE DISTRICT DETAIL BD-33)
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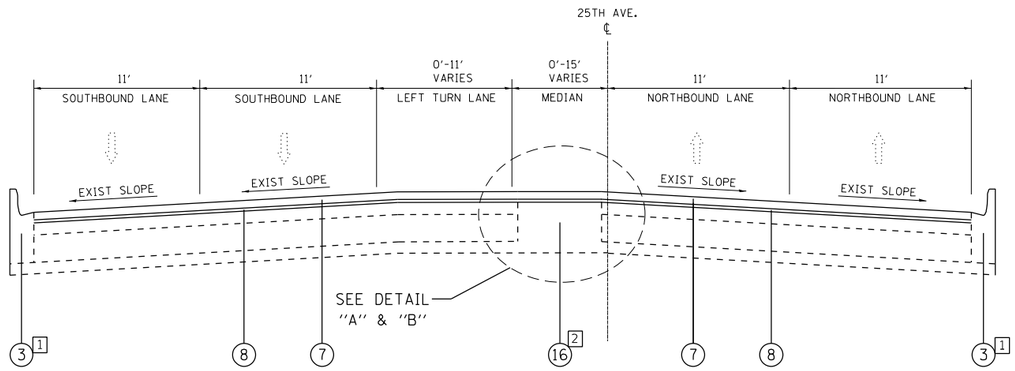
- (17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06



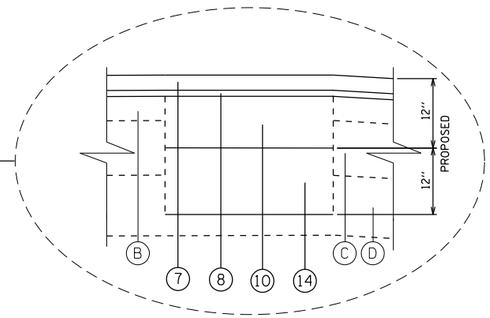
PROPOSED TYPICAL SECTION
25TH AVE.
STA. 89+91 TO STA. 114+02

OMISSION STATIONS:
STA. 95+60 TO 97+22

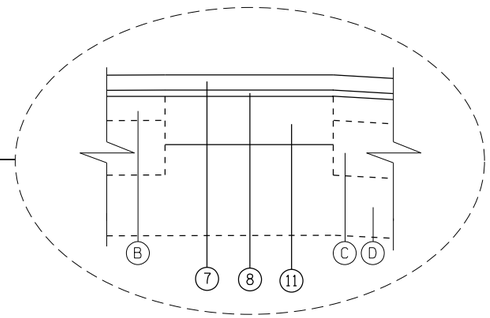
[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

[2] = REMOVE EXISTING CORRUGATED MEDIANS LOCATED AT STA. 89+91 TO 102+55 AND STA. 112+48 TO 114+02; SEE DETAILS "A" & "B" FOR MEDIAN REPLACEMENT.

DETAIL "A":
PROPOSED MEDIAN RECONSTRUCTION, 12"
FROM STA. 89+91 TO STA. 102+55



DETAIL "B":
PROPOSED CLASS D PATCH, 9"
STA. 112+48 TO STA. 114+02



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TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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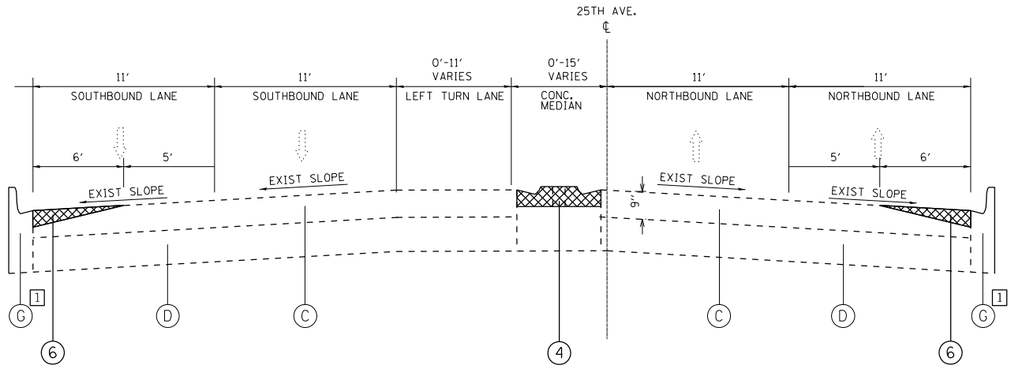
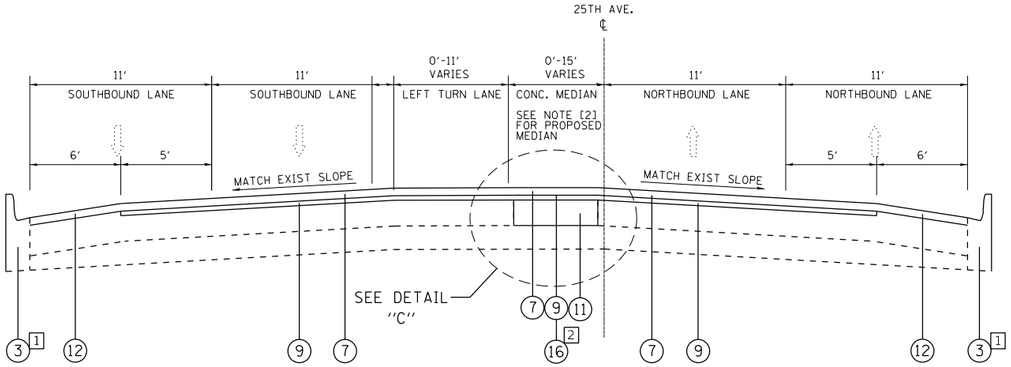
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION
25TH AVE.
STA. 114+02 TO STA. 118+28

(EXIST. PCC PAVEMENT
AT LEXINGTON ST. INTERSECTION)

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.



PROPOSED TYPICAL SECTION
25TH AVE.
STA. 114+02 TO STA. 118+28

(EXIST. PCC PAVEMENT
AT LEXINGTON ST. INTERSECTION)

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

[2] = REMOVE EXISTING CORRUGATED MEDIAN LOCATED AT STA. 114+02 TO 115+80; REPLACE WITH PATCH CLASS D.

REMOVE AND REPLACE BARRIER MEDIAN SM-4.06 LOCATED AT STA. 116+50 TO STA. 118+28 PER STANDARD 606301-04
SEE DETAIL "C" FOR BARRIER MEDIAN REPLACEMENT.

LEGEND

- (A) EXISTING HMA 2½"
- (B) EXISTING HMA PAVEMENT, 6" (+/-)
- (C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
- (D) EXISTING SUBGRADE
- (E) EXISTING AGGREGATE SHOULDER
- (F) EXISTING GROUND
- (G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
- (1) PROPOSED GRADING & SHAPING SHOULDER
- (2) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (3) PROPOSED COMBINATION CONC. CURB AND GUTTER B-6.12
- (4) CONCRETE MEDIAN REMOVAL
- (5) HMA SURFACE REMOVAL, 2½"
- (6) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH (SEE DISTRICT DETAIL BD-33)
- (7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, (1¾")
- (8) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (¾")
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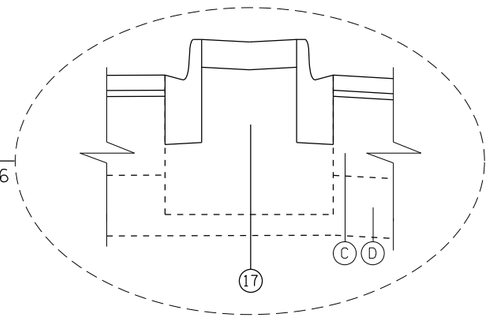
- (10) PROPOSED HOT-MIX ASPHALT BASE COURSE (9½")
- (11) PROPOSED CLASS D PATCH, 9"
- (12) BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT (SEE DISTRICT DETAIL "BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT BD-33)
- (13) PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- (14) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (15) PROPOSED HMA SHOULDER, 8"
- (16) PROPOSED PAINTED MEDIAN (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- (17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06

DETAIL "C":
PROPOSED CONCRETE MEDIAN, TYPE SM-4.06
FROM STA. 116+50 TO STA. 118+28



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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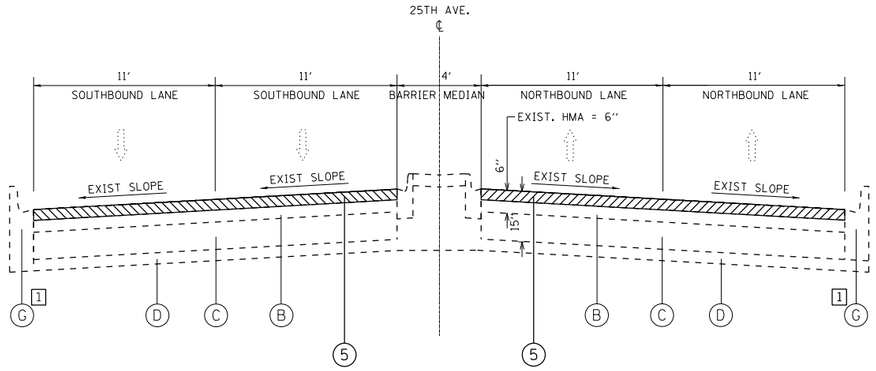
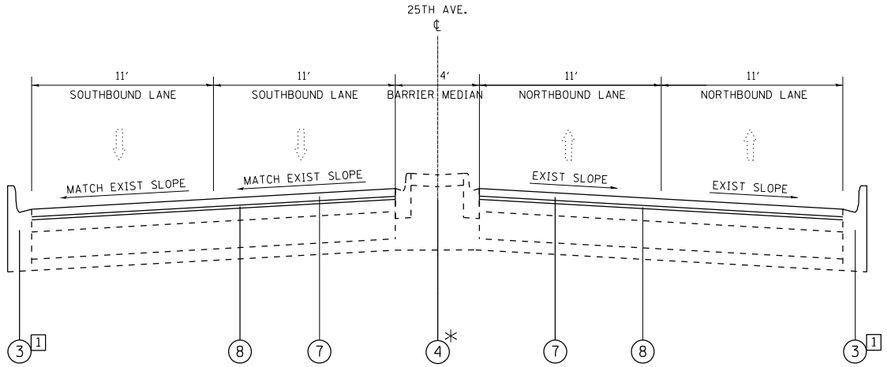
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION
25TH AVE.
STA. 118+28 TO STA. 121+66

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.



PROPOSED TYPICAL SECTION
25TH AVE.
STA. 118+28 TO STA. 121+66

[1] = LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

* EXISTING BARRIER MEDIAN TO REMAIN FROM STATION 118+28 TO 121+66

LEGEND

(A) EXISTING HMA 2½"
(B) EXISTING HMA PAVEMENT, 6" (+/-)
(C) EXISTING P.C.C. PAVEMENT, 9" (+/-)
(D) EXISTING SUBGRADE
(E) EXISTING AGGREGATE SHOULDER
(F) EXISTING GROUND
(G) EXISTING COMBINATION CONC. CURB AND GUTTER B-6.12
(1) PROPOSED GRADING & SHAPING SHOULDER
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(4) CONCRETE MEDIAN REMOVAL
(5) HMA SURFACE REMOVAL, 2½"
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(7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, (1¾")
(8) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (¾")
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(13) PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
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(16) PROPOSED PAINTED MEDIAN (SEE DISTRICT DETAIL TC-13 FOR SPACING)
(17) PROPOSED CONCRETE MEDIAN, TYPE SM-4.06

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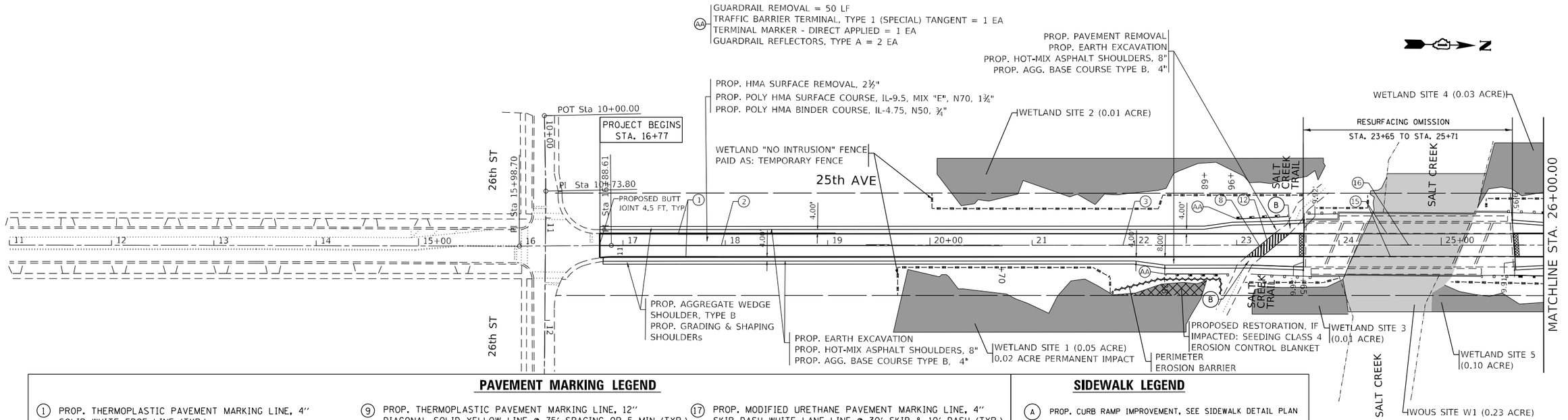
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
25 AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	17
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID WHITE EDGE LINE (TYP.)
2. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
3. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LANE LINE @ 30' SKIP & 10' DASH (TYP.)
4. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)
5. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID YELLOW LINE (TYP.)
6. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE TURN LANE LINE (TYP.)
7. PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
8. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE DIAGONAL (TYP.)
9. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL SOLID YELLOW LINE @ 75' SPACING OR 5 MIN (TYP.)
10. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID WHITE STOP BAR (TYP.)
11. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED WHITE LINE 2'-6" SPACING (TYP.)
12. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP.)
13. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINE (TYP.)
14. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE GORE MARKING CHEVRONS (TYP.)
15. PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID WHITE EDGE LINE (TYP.)
16. PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH YELLOW LINE @ 30' SKIP & 10' DASH (TYP.)
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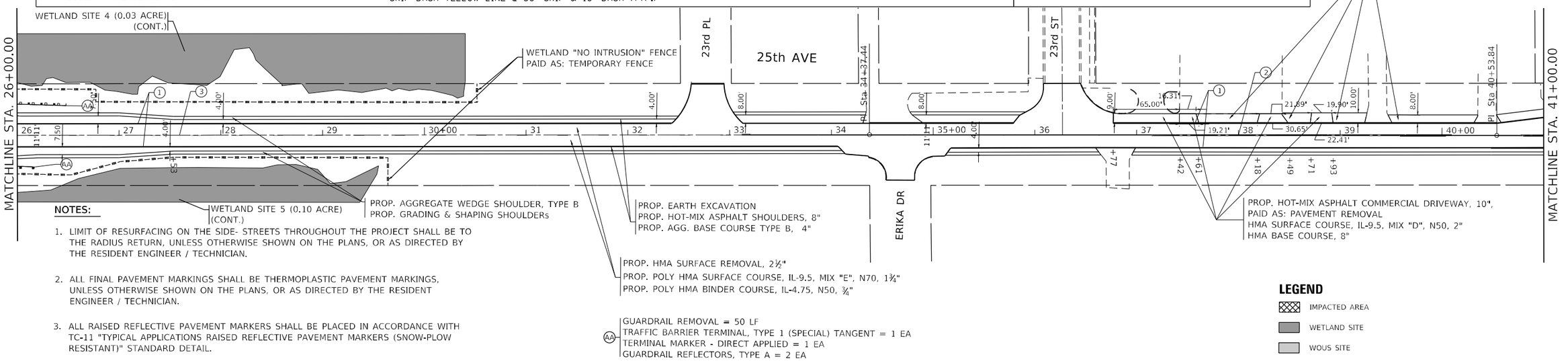
18. PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
19. PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID WHITE LONGITUDINAL CROSSWALK BARS, @ 90 DEG, 2' APART (TYP.)

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01A
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- (E) PROP. CURB RAMP IMPROVEMENT, SEE PD-03A
- (F) PROP. CURB RAMP IMPROVEMENT, SEE PD-04A
- (G) PROP. CURB RAMP IMPROVEMENT, SEE PD-05A
- (H) PROP. CURB RAMP IMPROVEMENT, SEE PD-01C



NOTES:

1. LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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4. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.

LEGEND

- IMPACTED AREA
- WETLAND SITE
- WOUS SITE

USER NAME = ahmadhs	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/19/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT MARKING PLAN
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: 1"-50" | SHEET OF SHEETS | STA. 16+89.00 | TO STA. 41+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	18
		CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

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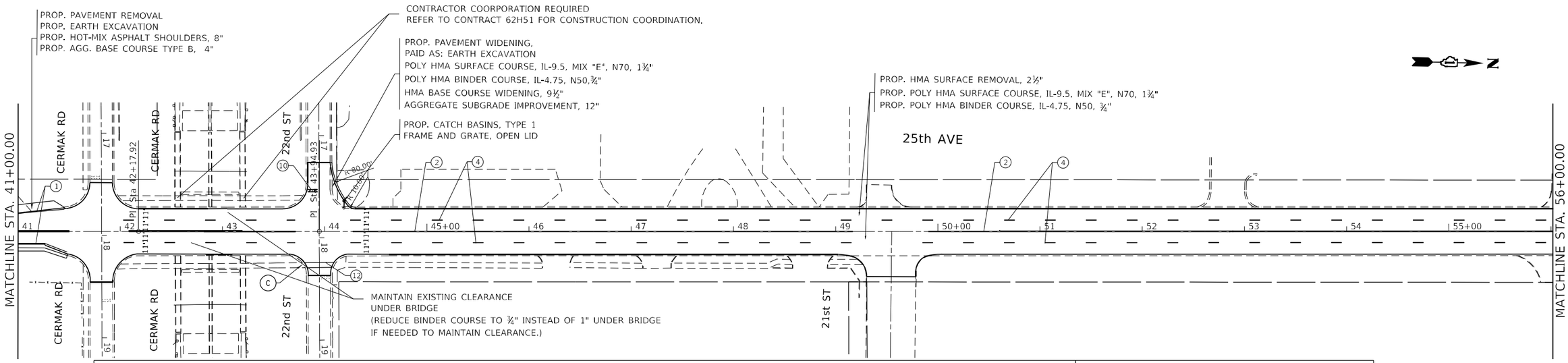

PAVEMENT MARKING LEGEND

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SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01A
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
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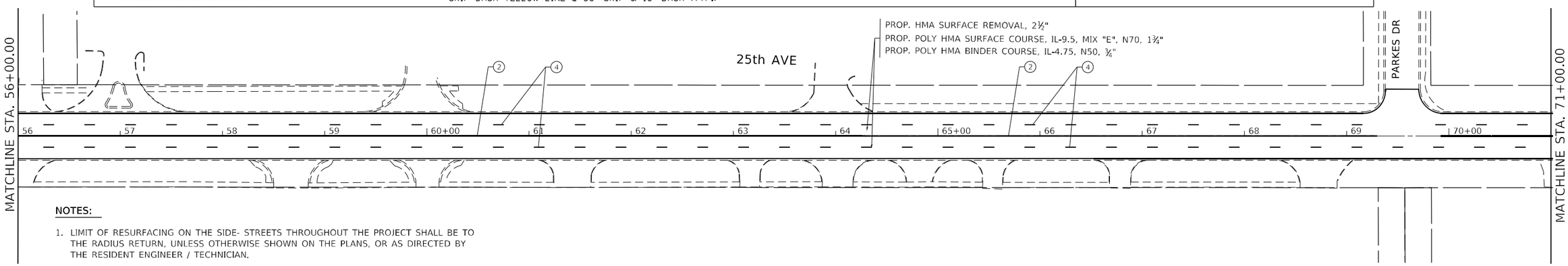
- (F) PROP. CURB RAMP IMPROVEMENT, SEE PD-04A
- (G) PROP. CURB RAMP IMPROVEMENT, SEE PD-05A
- (H) PROP. CURB RAMP IMPROVEMENT, SEE PD-01C



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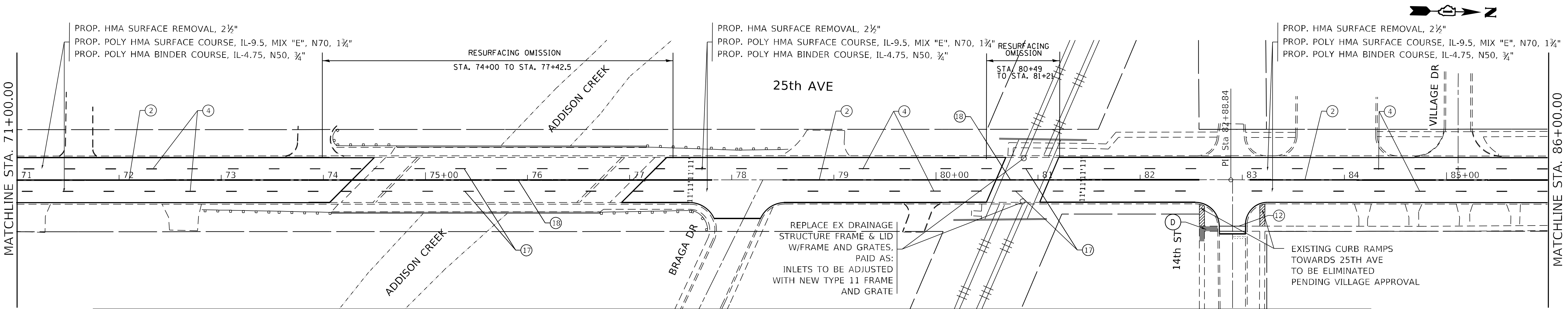
USER NAME = ahmadhs	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT MARKING PLAN
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: 1"-50' | SHEET OF SHEETS | STA. 41+00.00 | TO STA. 71+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	19
		CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



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SIDEWALK LEGEND

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- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01A
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
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- (G) PROP. CURB RAMP IMPROVEMENT, SEE PD-05A
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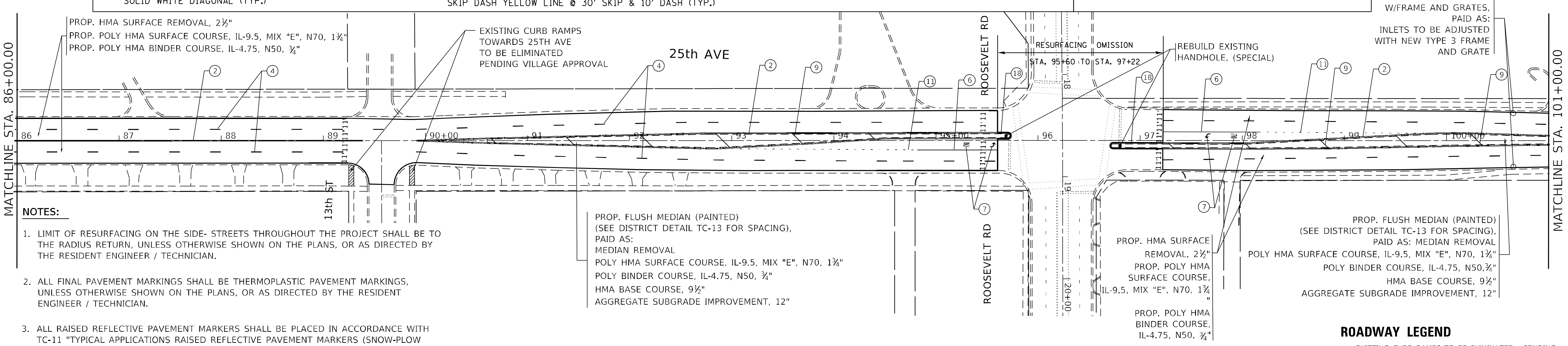

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ROADWAY LEGEND

EXISTING CURB RAMPS TO BE ELIMINATED - PENDING VILLAGE APPROVAL

USER NAME = ahmadhs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/19/2021	DATE -	REVISED -	

ROADWAY & PAVEMENT MARKING PLAN
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: 1"=50" | SHEET OF SHEETS | STA. 71+00.00 TO STA. 101+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	20
		CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		

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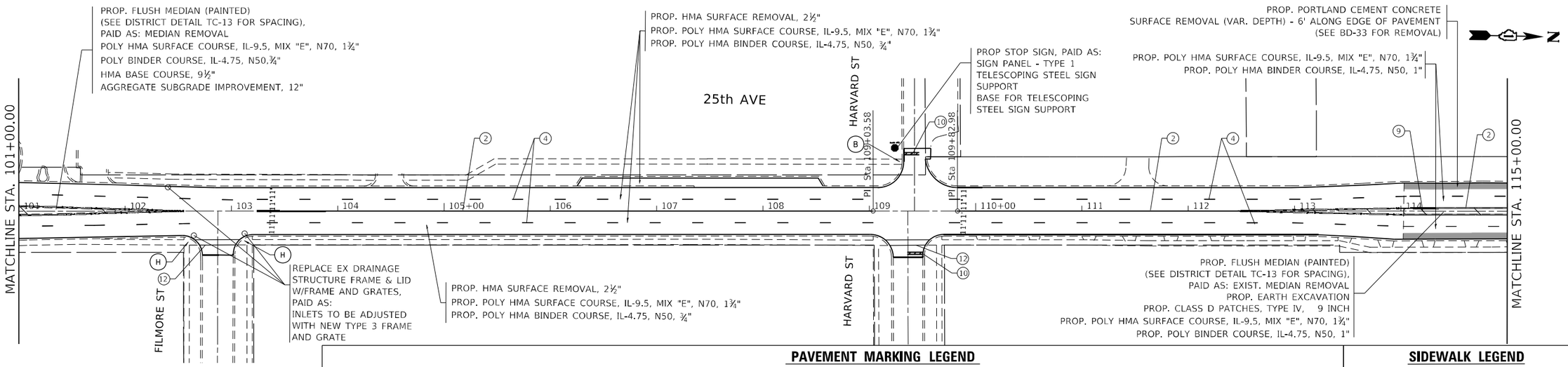

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SIDEWALK LEGEND

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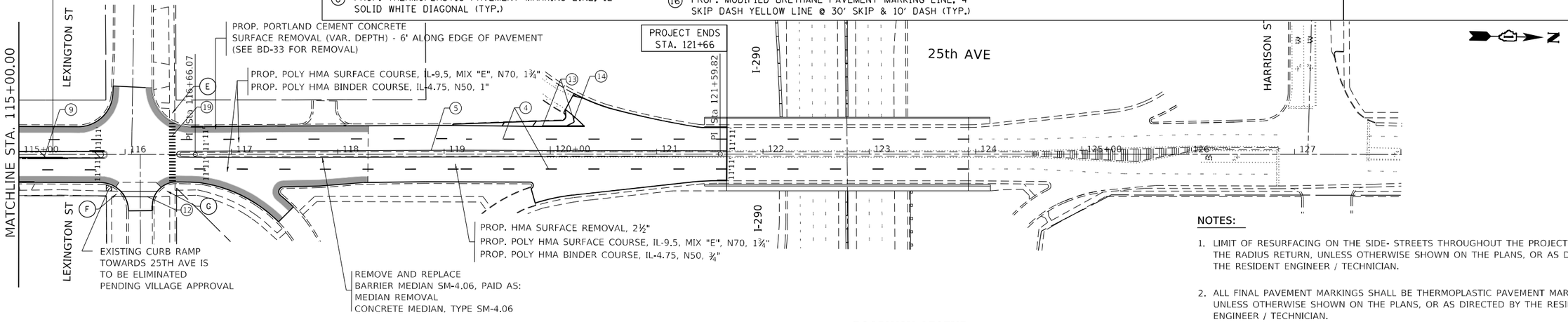
- B PROP. CURB RAMP IMPROVEMENT, SEE PD-01A
- C PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- D PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- E PROP. CURB RAMP IMPROVEMENT, SEE PD-03A
- F PROP. CURB RAMP IMPROVEMENT, SEE PD-04A
- G PROP. CURB RAMP IMPROVEMENT, SEE PD-05A
- H PROP. CURB RAMP IMPROVEMENT, SEE PD-01C



ROADWAY LEGEND

- EXISTING CURB RAMPS TO BE ELIMINATED - PENDING VILLAGE APPROVAL
- PROP. PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH), 2 ½" - 6' ALONG EDGE OF PAVEMENT

NOTES:

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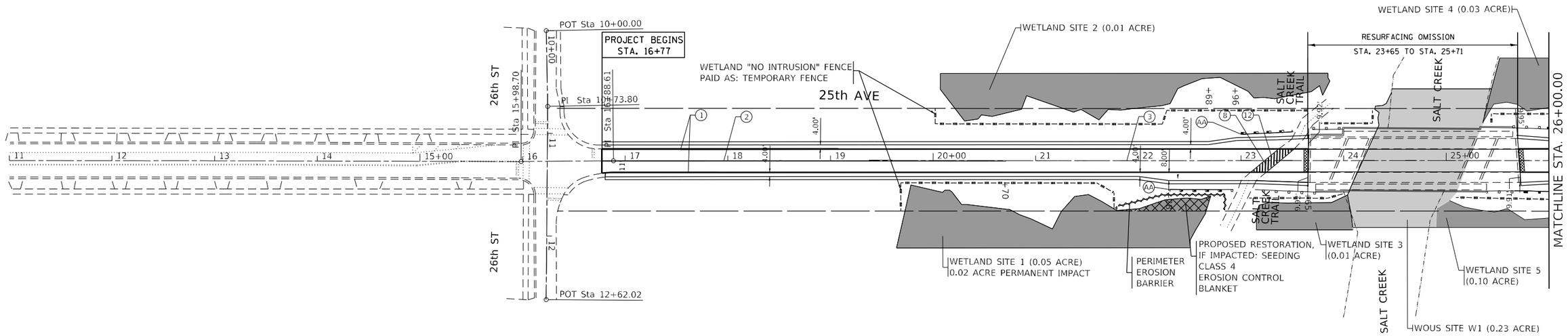
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/19/2021	DATE -	REVISED -	

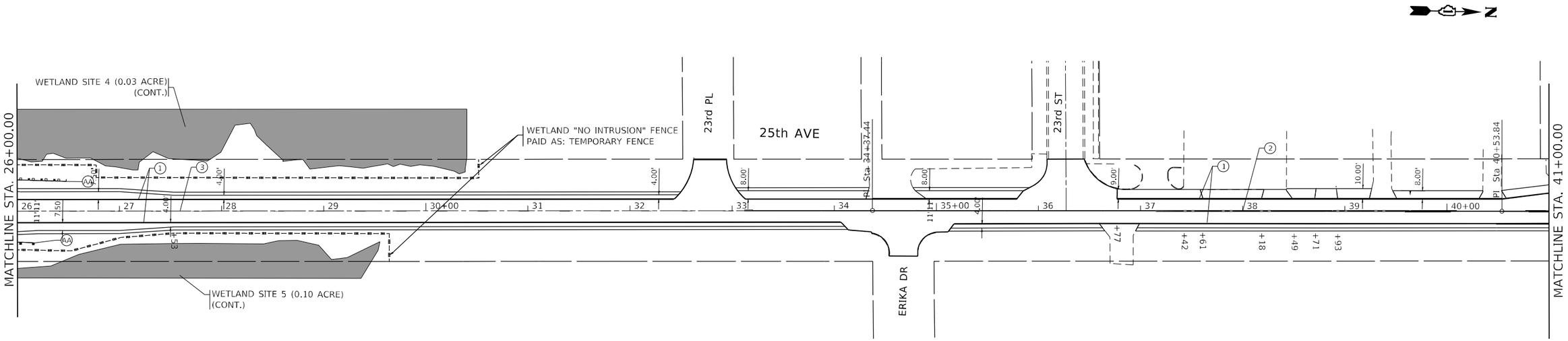
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY & PAVEMENT MARKING PLAN
25TH AVE (I-290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: 1"-50" | SHEET OF SHEETS | STA. 101+00.00 TO STA. 121+66.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	21
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		





USER NAME = ahmadhs	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/19/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL /LANDSCAPING PLAN
25TH AVE (I–290 (EISENHOWER EXPWY) TO 26TH ST)

SCALE: 1"-50' | SHEET OF SHEETS | STA. 16+89.00 TO STA. 41+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	21A
		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

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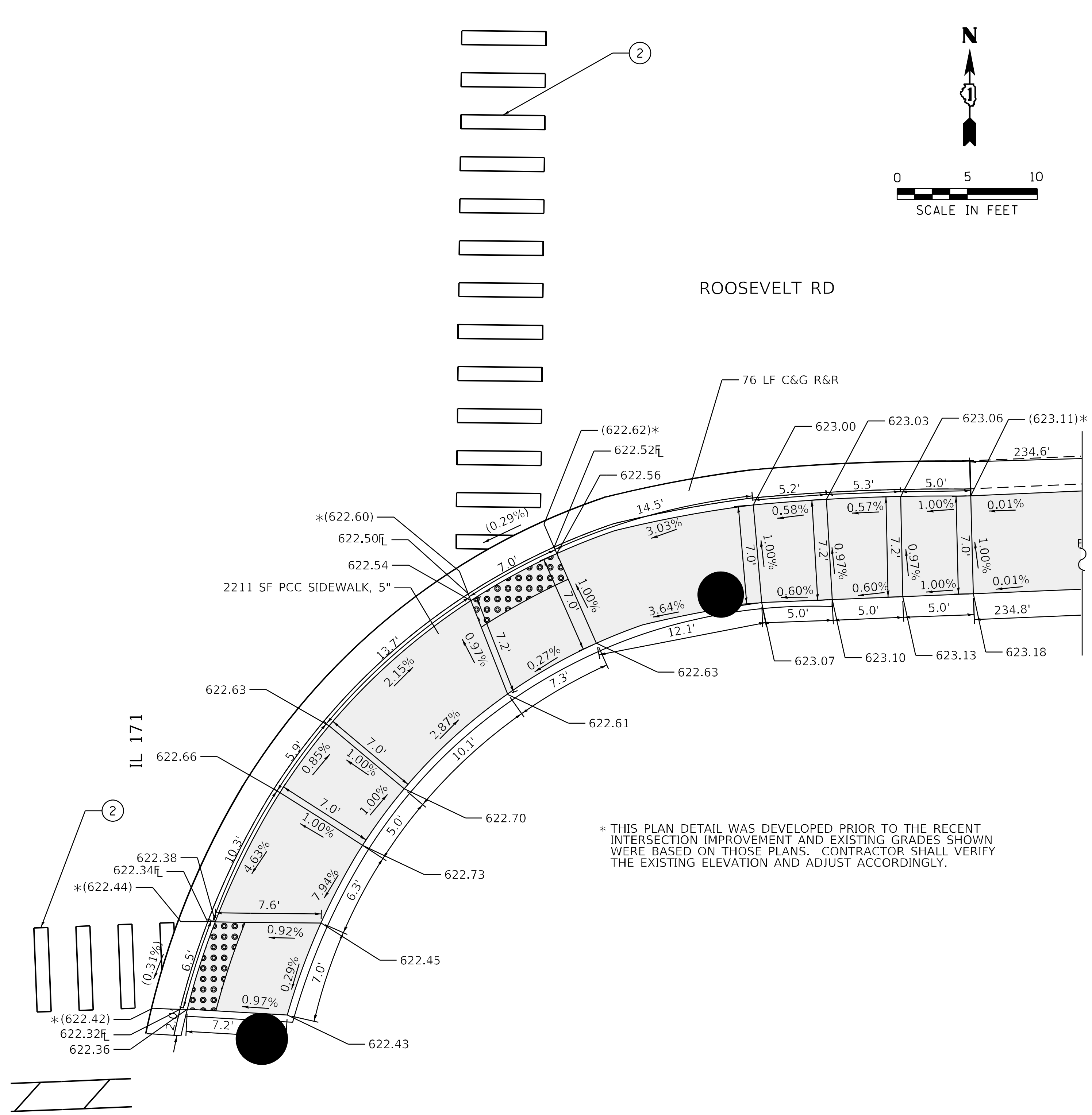
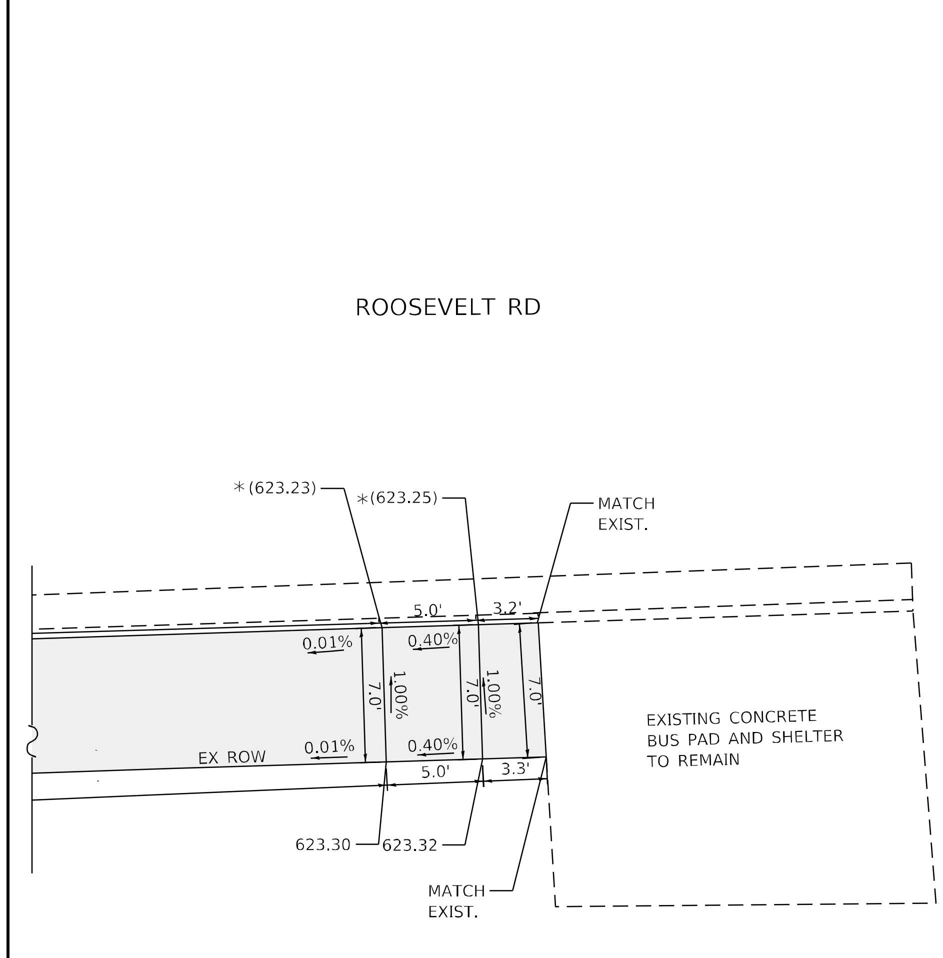


* THIS PLAN DETAIL WAS DEVELOPED PRIOR TO THE RECENT INTERSECTION IMPROVEMENT AND EXISTING GRADES SHOWN WERE BASED ON THOSE PLANS. CONTRACTOR SHALL VERIFY THE EXISTING ELEVATION AND ADJUST ACCORDINGLY.



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PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING- LINE 6" (CROSSWALK, WHITE)
2. THERMOPLASTIC PAVEMENT MARKING- LINE 12" (CROSSWALK, WHITE)
3. THERMOPLASTIC PAVEMENT MARKING- LINE 24" (STOP BAR, WHITE)
4. PAVEMENT MARKING REMOVAL- GRINDING
5. PAVEMENT MARKING REMOVAL-WATER BLASTING

REFERENCE BENCHMARK ELEV 623.65

BENCHMARK : SET "X" CUT

LOCATION : IN NW ISLAND, 38.60 FT EAST OF LIGHT POLE

LEGEND

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

REFERENCE BENCHMARK ELEV 623.65

BENCHMARK : SET "X" CUT

LOCATION : IN NW ISLAND, 38.60 FT EAST OF LIGHT POLE

Accurate GROUP, INC.

USER NAME = dheyden	DESIGNED - CR	REVISED -	
	DRAWN - CR	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DH	REVISED -	
PLOT DATE = 1/25/2022	DATE - 01-21-2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS - VILLAGE OF FOREST PARK
SE CORNER OF IL 171 AND ROOSEVELT RD

SCALE: ______ SHEET __ OF __ SHEETS STA. ______ TO STA. ______

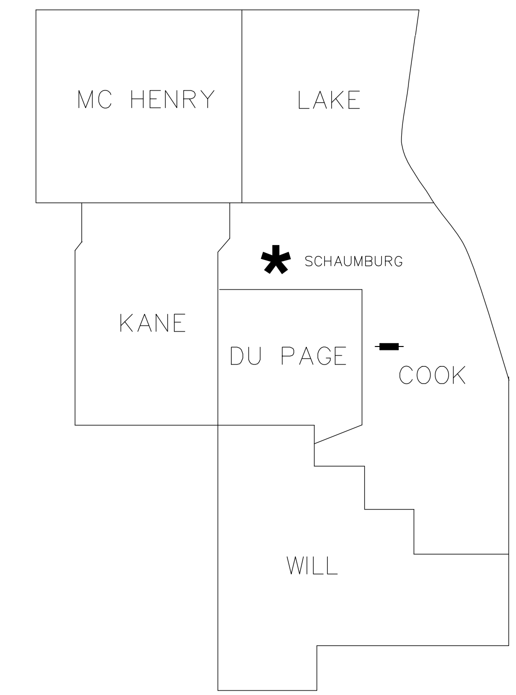
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	22
		CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

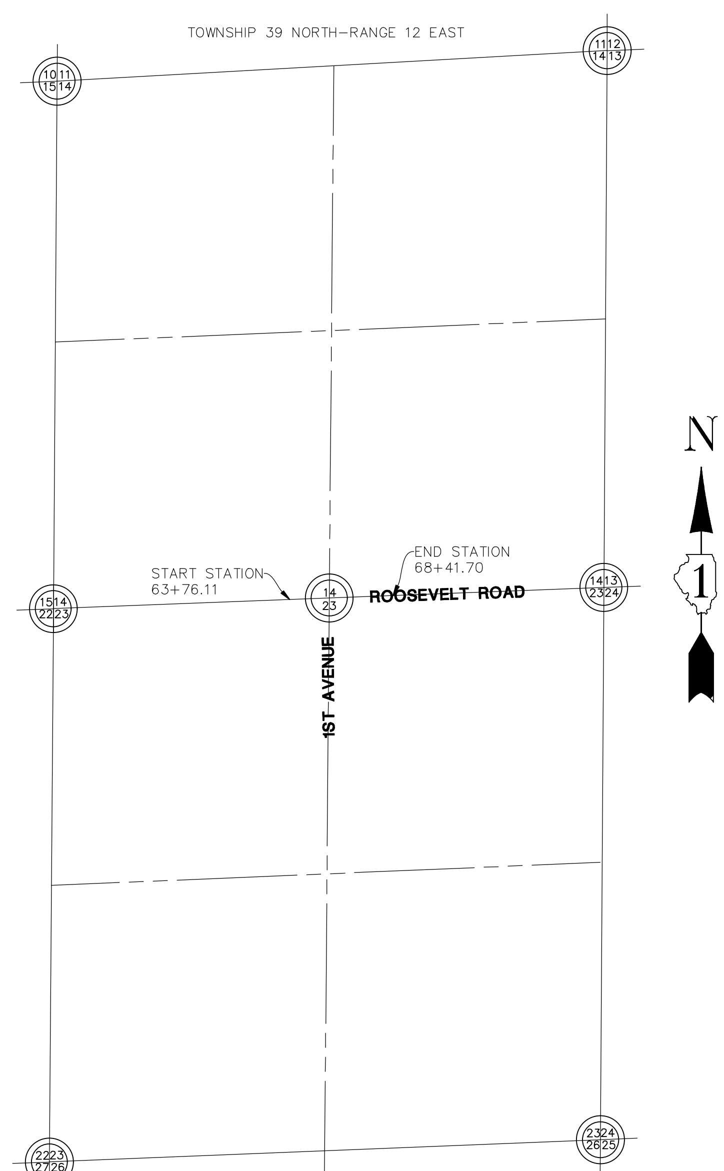
ROUTE: IL ROUTE 171 (1ST AVE)
SECTION:
COUNTY: COOK
LIMITS: AT IL 38 (ROOSEVELT ROAD)
JOB NO.: R-90-015-20

PARCEL No.	OWNER	SHEET NO.	PROPERTY ACQUIRED BY
0MP0001PE	THE FOREST PRESERVE DISTRICT OF COOK COUNTY	2 & 3	N/A



DISTRICT HEADQUARTERS: - *
LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



LOCATION MAP

GROSS LENGTH ROOSEVELT ROAD= 584 FT. =0.110 MILE
NET LENGTH = 584 FT. = 0.110

Manhard CONSULTING LTD

IDOT USE ONLY

APPROVED
By coreanom at 7:26 am, Jul 09, 2020

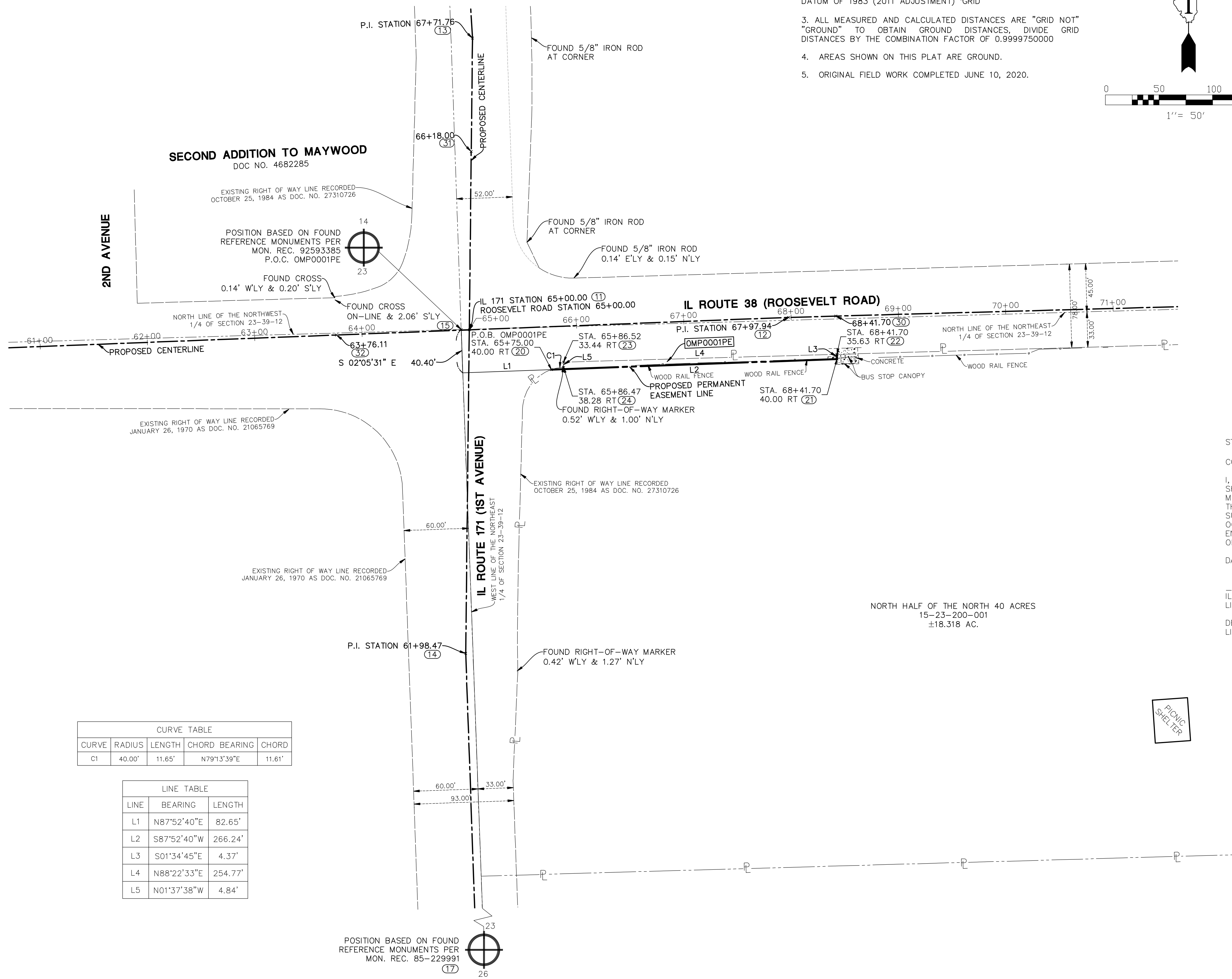
IDOT17–W019 SB

PART OF THE NE 1/4 OF SECTION 23 , TWP. 39 N., R.12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER	EASEMENT AREA	PARCEL INDEX NUMBER
0MP0001PE	±18.318 AC.	N/A	N/A	N/A	±0.032 AC.	15-23-200-001

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID NOT" "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999750000
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 10, 2020.



CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	40.00'	11.65'	N79°13'39"E	11.61'

LINE TABLE		
LINE	BEARING	LENGTH
L1	N87°52'40"E	82.65'
L2	S87°52'40"W	266.24'
L3	S01°34'45"E	4.37'
L4	N88°22'33"E	254.77'
L5	N01°37'38"W	4.84'

N

0 50 100 150
1" = 50'

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

LEGEND

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION
- T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M **STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 23, TOWNSHIP 39 NORTH RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS ____ DAY OF ________________, A.D., 2019.

____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2020

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2021

Manhard CONSULTING LTD

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 171 (1ST AVE.)

IDOT USE ONLY

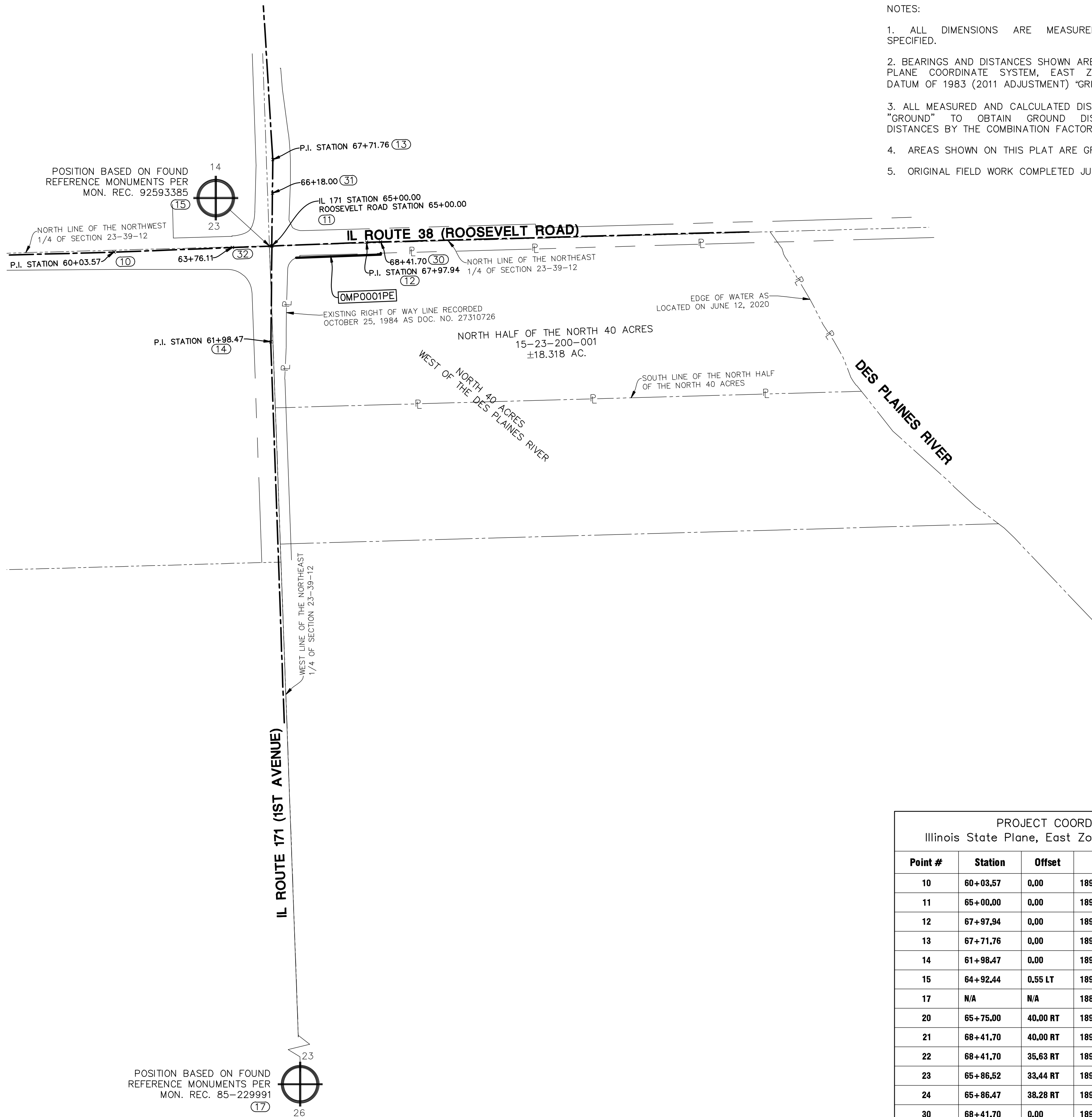
APPROVED
By coreanom at 7:26 am, Jul 09, 2020

LIMITS: AT IL 38 (ROOSEVELT RD) COUNTY: COOK
SECTION: JOB NO.:R-90-015-20
STA. 63+18 TO STA. 68+41.70
SCALE: 1" = 50' SHEET 2 OF 3 SHEETS

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

IDOT17-W019 SB

PART OF THE NE 1/4 OF SECTION 23 , TWP. 39 N., R.12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS



NOTES:

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3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID NOT" "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999750000
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 10, 2020.

N

1''= 200'

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
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129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
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LEGEND

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- REPLACED AFTER CONSTRUCTION
- T1, T2, T3 — **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- M — **STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS)
)SS
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DATED AT LINCOLNSHIRE, ILLINOIS THIS ____ DAY OF ________________, A.D., 2019.

____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2020

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2021

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	**Station**	**Offset**	**Northing**	**Easting**
10	60+03.57	0.00	1893580.63	1119932.83
11	65+00.00	0.00	1893599.93	1120428.88
12	67+97.94	0.00	1893611.51	1120726.59
13	67+71.76	0.00	1893871.67	1120431.87
14	61+98.47	0.00	1893298.42	1120425.56
15	64+92.44	0.55 LT	1893600.19	1120421.31
17	N/A	N/A	1888277.89	1120615.71
20	65+75.00	40.00 RT	1893562.88	1120505.38
21	68+41.70	40.00 RT	1893572.74	1120771.44
22	68+41.70	35.63 RT	1893577.10	1120771.32
23	65+86.52	33.44 RT	1893569.88	1120516.65
24	65+86.47	38.28 RT	1893565.05	1120516.79
30	68+41.70	0.00	1893612.72	1120770.34
31	66+18.00	0.00	1893766.10	1120430.71
32	63+76.11	0.00	1893595.11	1120305.09

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER	EASEMENT AREA	PARCEL INDEX NUMBER
0MP0001PE	±18.318 AC.	N/A	N/A	N/A	±0.032 AC.	15-23-200-001

Manhard CONSULTING LTD

Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

IDOT USE ONLY

APPROVED
By coreanom at 7:26 am, Jul 09, 2020

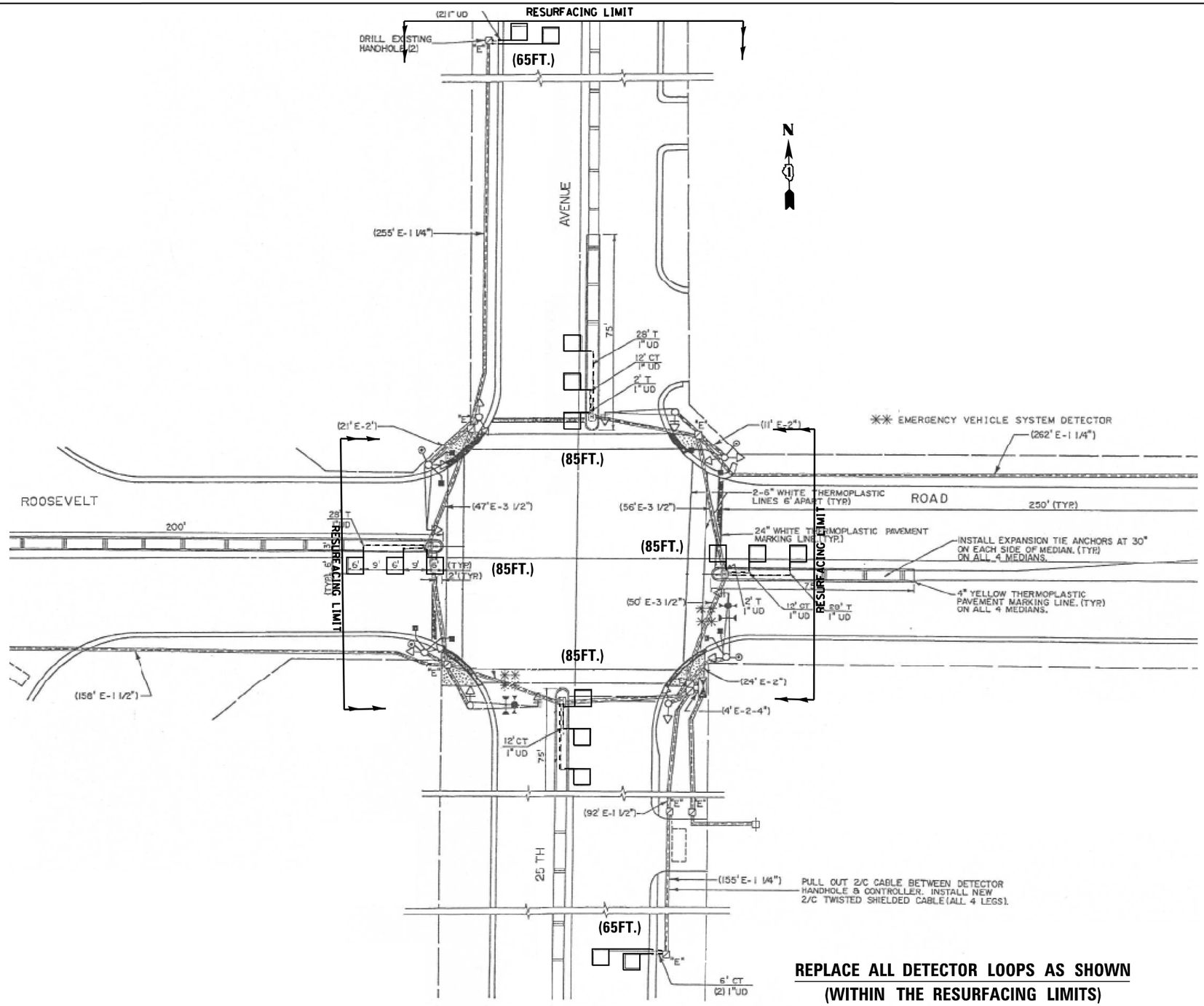
PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 171 (1ST AVE.)

LIMITS: AT IL 38 (ROOSEVELT RD) COUNTY: COOK
SECTION: JOB NO.:R-90-015-20
STA. 63+18 TO STA. 68+41.70
SCALE: 1" = 200' SHEET 3 OF 3 SHEETS

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

IDOT17-W019 SB



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	470	FOOT

TS#3725
ECON 29

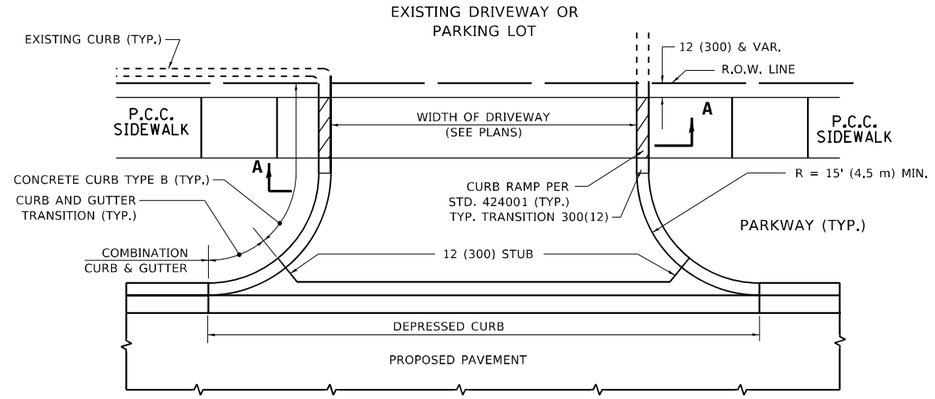
FILE NAME =	USER NAME = mezag	DESIGN - Steven M. Nguyen	REVISED -	
P:\Detector Loops\2021\62L19 25th Ave-Cook\CADD\ITS*3725 25th Ave.@ Roosevelt Road.dgn		DRAWN - Gonzalo Meza	REVISED -	
	PLOT SCALE = 40.0000 ' / in.	CHECKED - Steven M. Nguyen	REVISED -	
Default	PLOT DATE = 5/11/2021	DATE - 02/23/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

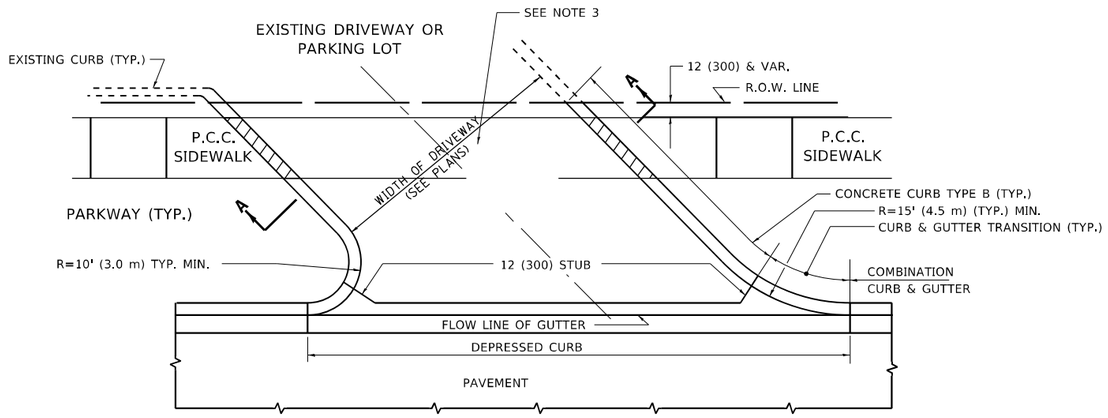
DETECTOR LOOP REPLACEMENT PLAN
25TH. AVE. AT ROOSEVELT RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

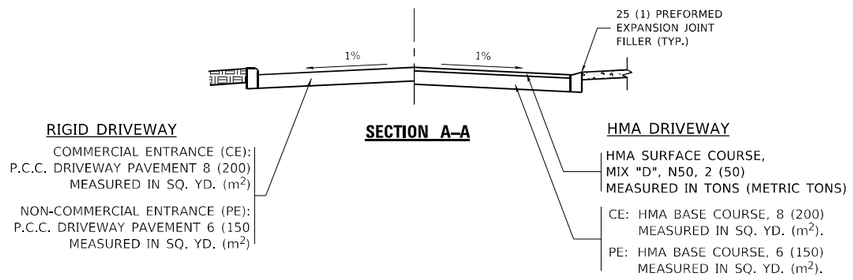
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	26
		CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		

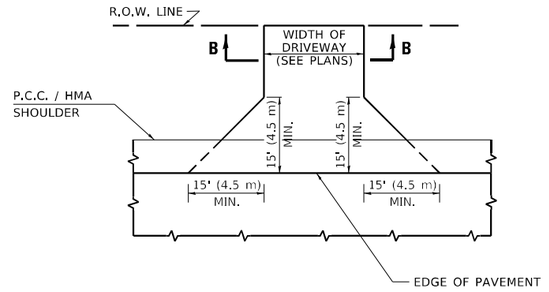


WITH CONCRETE CURB, TYPE B

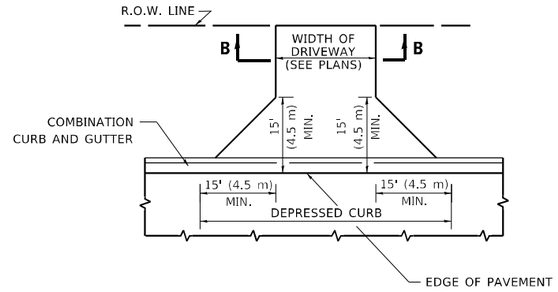


WITH CONCRETE CURB, TYPE B

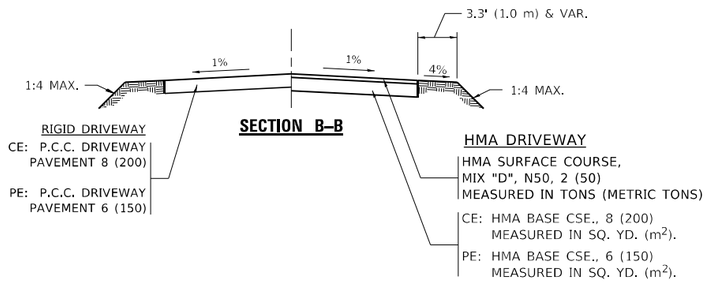




ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m^2).

MODEL: Default
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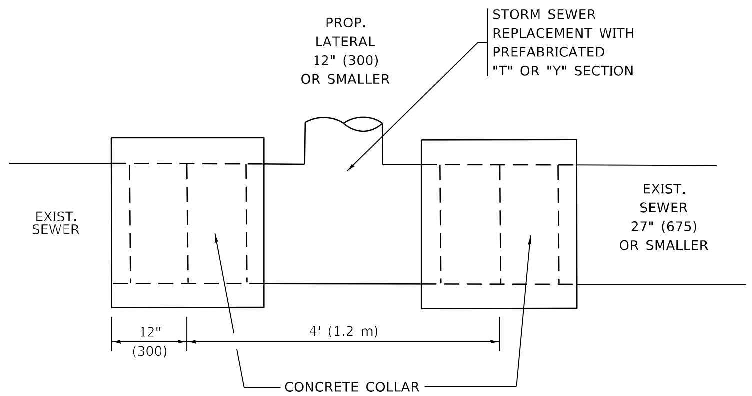
USER NAME = elkhatibaj	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03	
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08	
PLOT DATE = 10/20/2021	DATE - 11-04-95	REVISED - R. BORO 09-06-11	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)

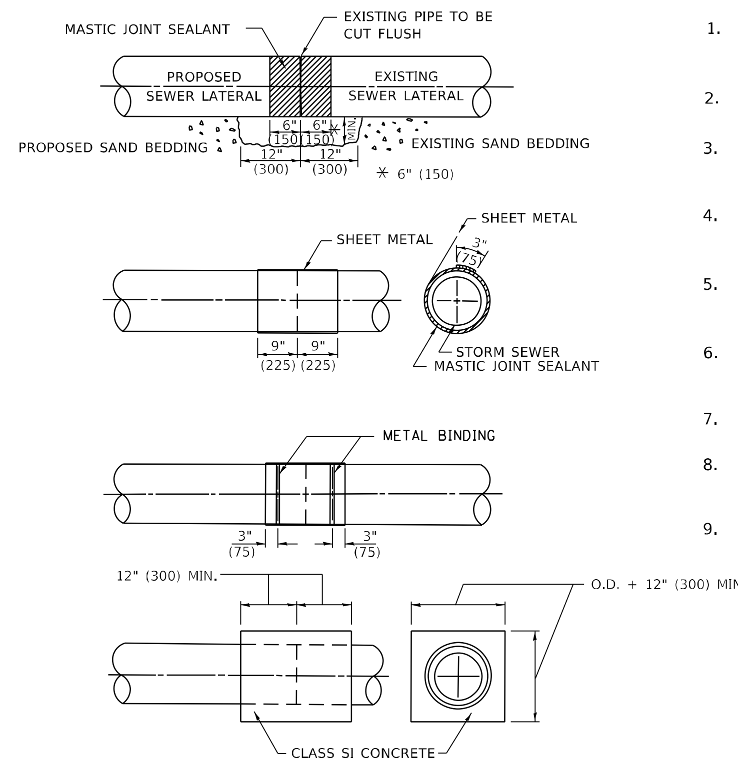
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	27
	BD400–01 (BD–01)	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

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



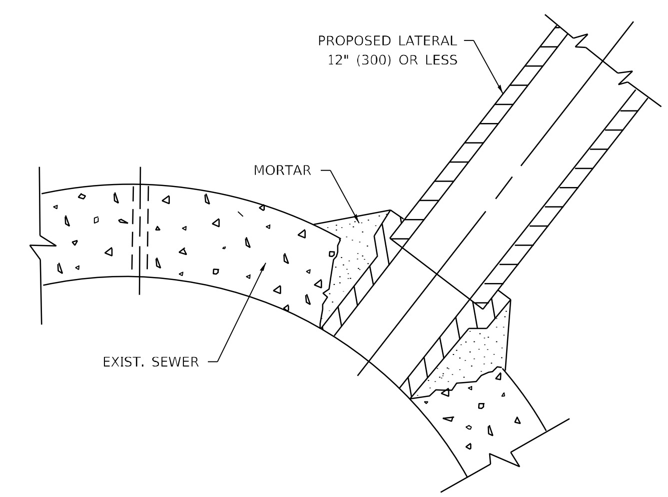
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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

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



DETAIL "C"

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

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

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

MODEL: Default
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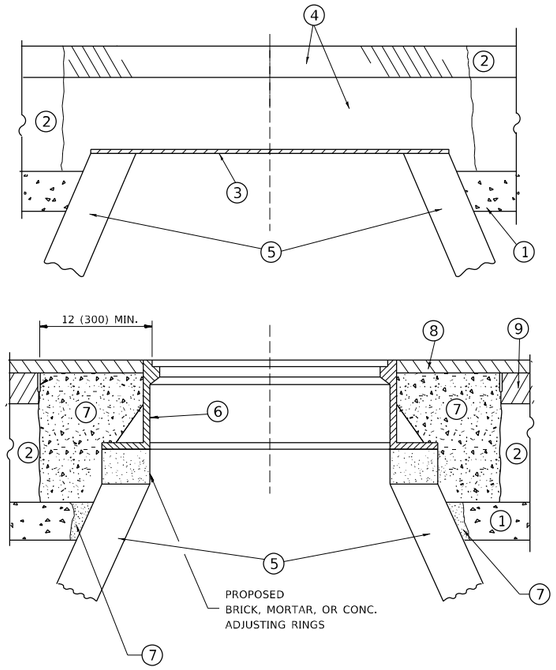
USER NAME = elkhatibaj	DESIGNED - M. DE YONG	REVISED - M. DE YONG 5-8-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. SHAH 09-09-94	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 10-25-94	
PLOT DATE = 10/20/2021	DATE - 07-25-90	REVISED - R. SHAH 06-12-96	

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	28
BD500-01 (BD-7)		CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 * CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

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

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

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = elkhatibaj	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 10/20/2021	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	29
	BD600-03 (BD-8)	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

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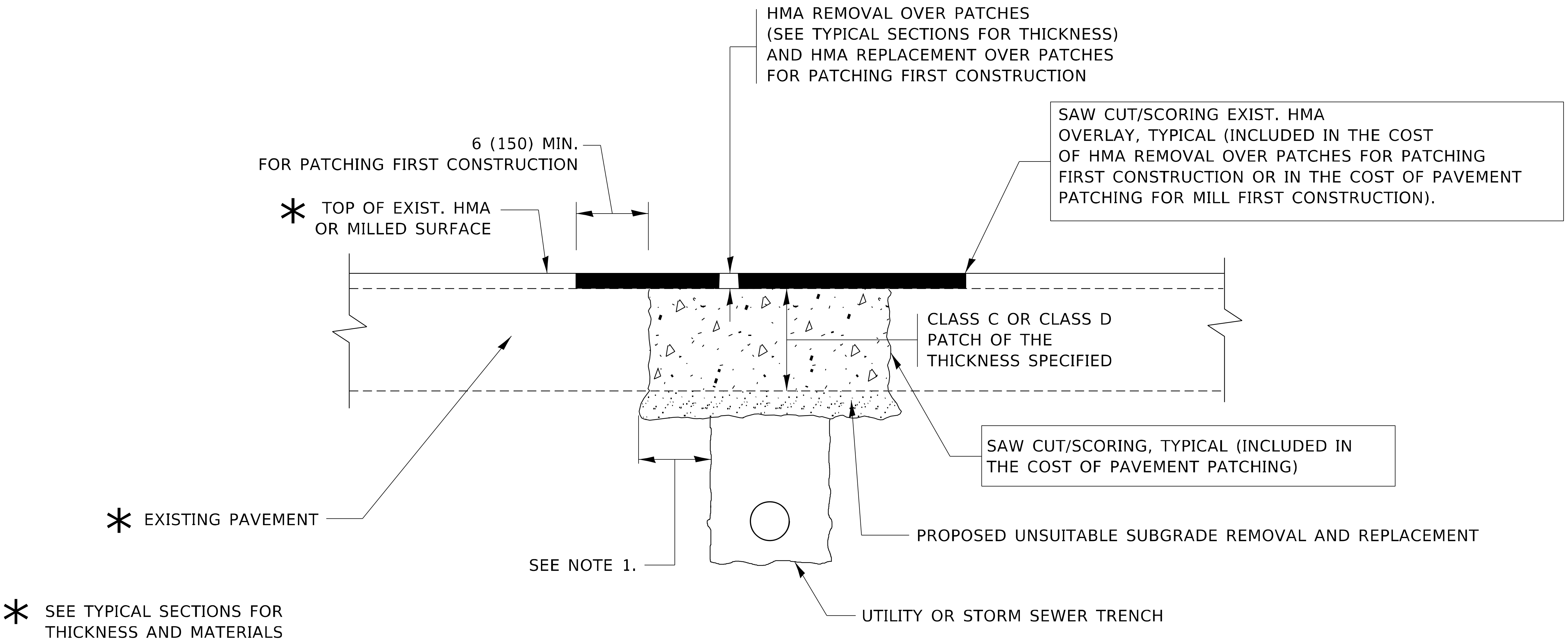


NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

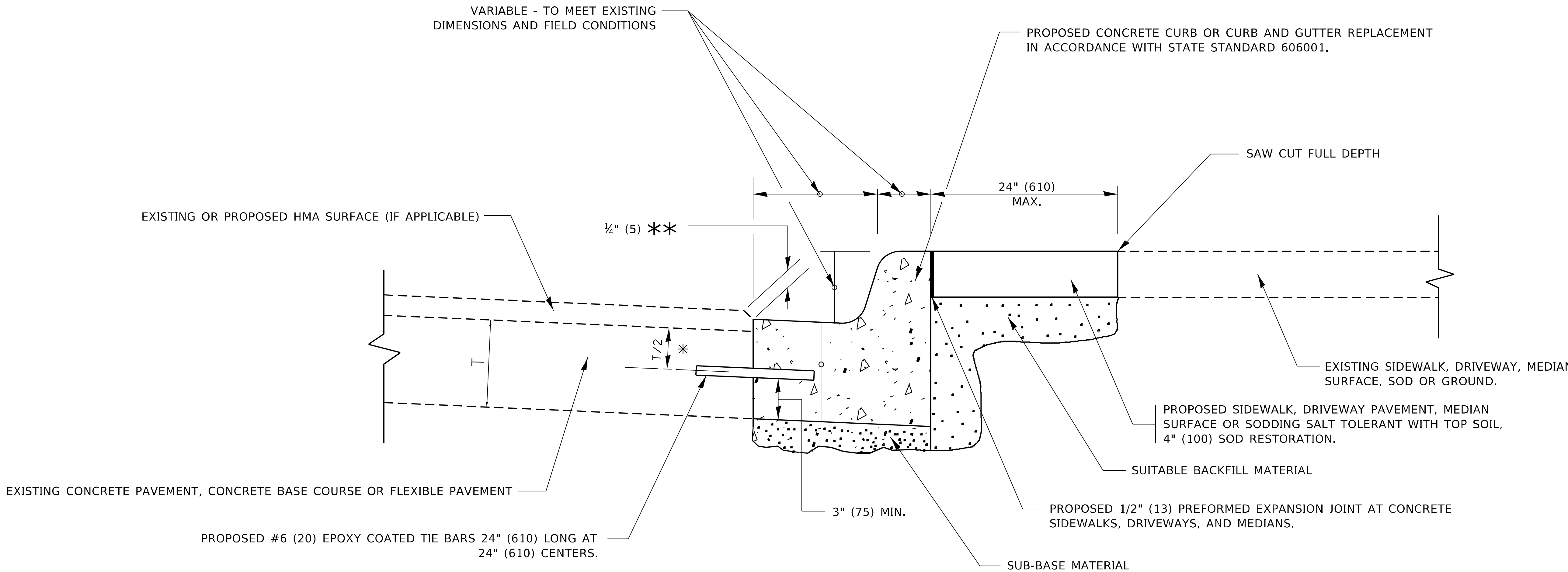
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 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.

USER NAME = elkhatibaj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE. 2714	SECTION 2020-047-RS&SW	COUNTY COOK	TOTAL SHEETS 52 / SHEET NO. 30
	DRAWN -	REVISED - R. BORO 01-01-07			BD400-04 (BD-22)		CONTRACT NO. 62L19	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/20/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08						



✱ 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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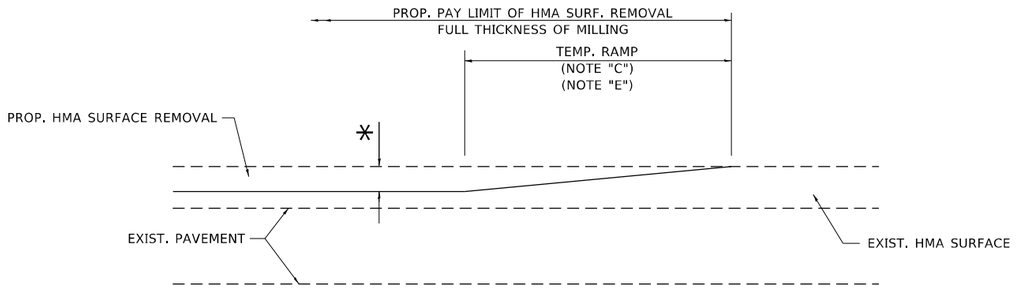
USER NAME = elkhatibaj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 10/20/2021	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

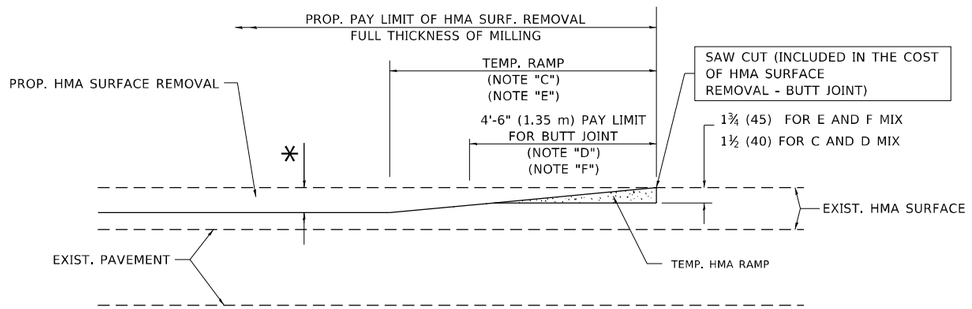
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	31
BD600–06 (BD–24)		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

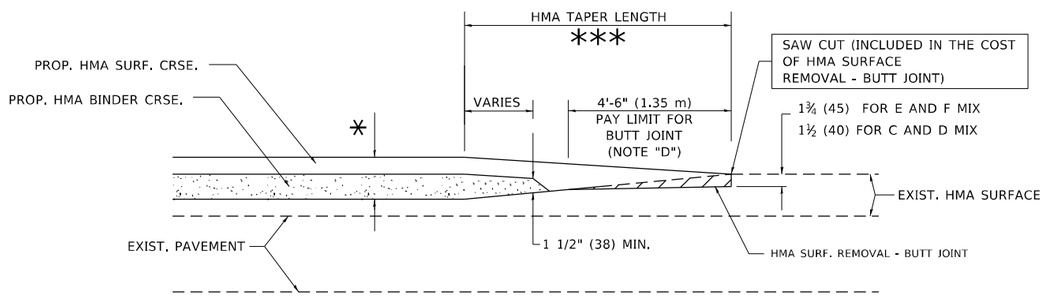


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

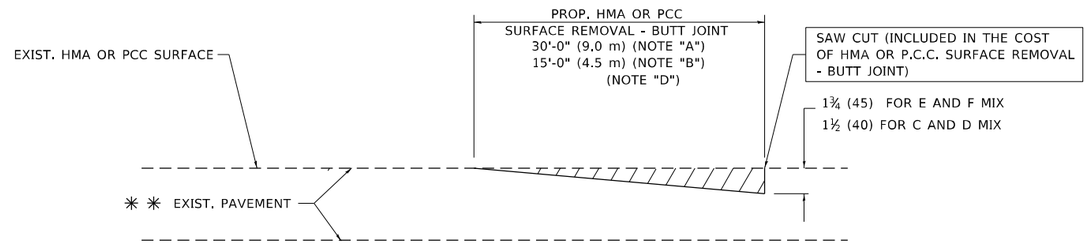
OPTION 2

TYPICAL TEMPORARY RAMP

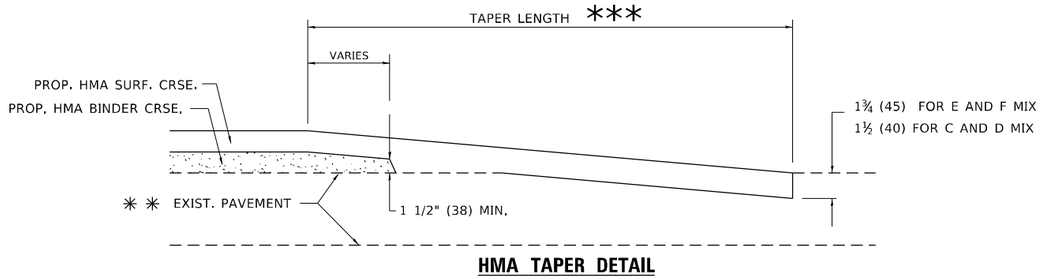


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

G. 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

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

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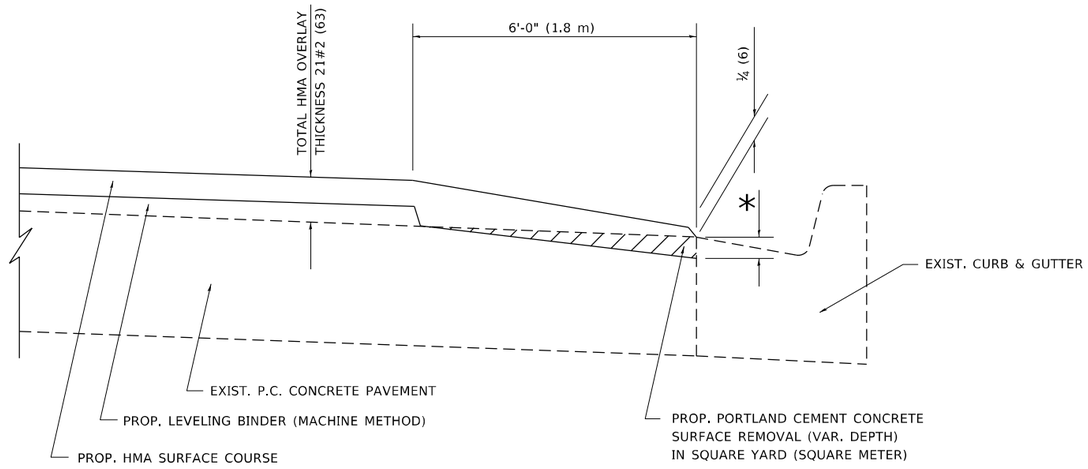
	DRAWN -	REVISED - A. ABBAS 03-21-97	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01	
PLOT DATE = 10/20/2021	DATE - 06-13-90	REVISED - R.BORO 01-01-07	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	32
	BD400-05 BD32	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



HMA TAPER AT
EDGE OF P.C.C PAVEMENT

HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1½ (38)	1 (25)	1¼ (33)
E	1¾ (44)	¾ (19)	1½ (38)

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

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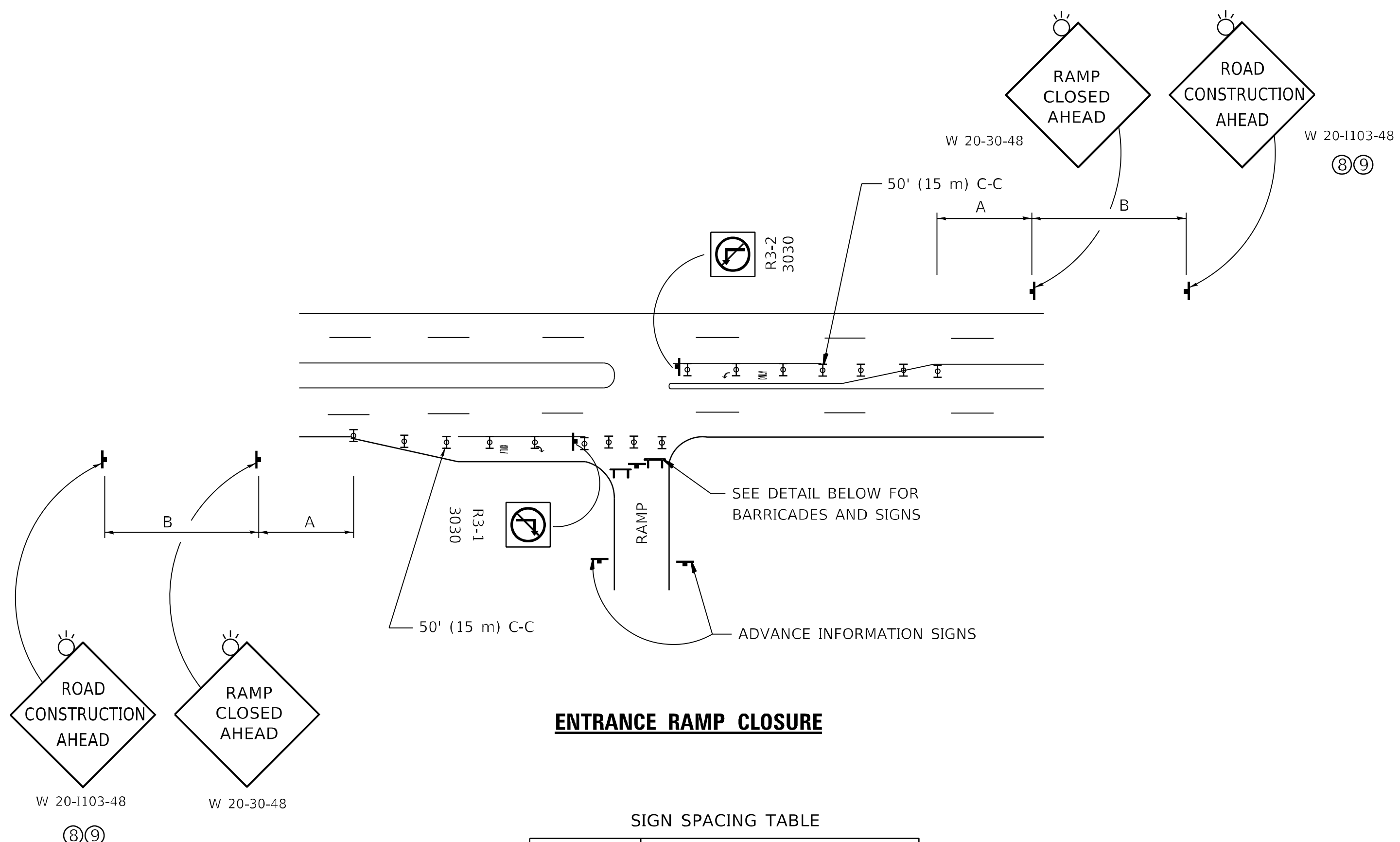
USER NAME = elknatibaj	DESIGNED - R. SHAH	REVISED - A. ABBAS 05-05-9	
	DRAWN - JIS	REVISED - E. GOMEZ 12-21-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED - A. ABBAS	REVISED - R. BORO 01-01-07	
PLOT DATE = 10/20/2021	DATE - 09-10-94	REVISED - JP CHANG 07-08-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	33
	BD400–06 (BD33)	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

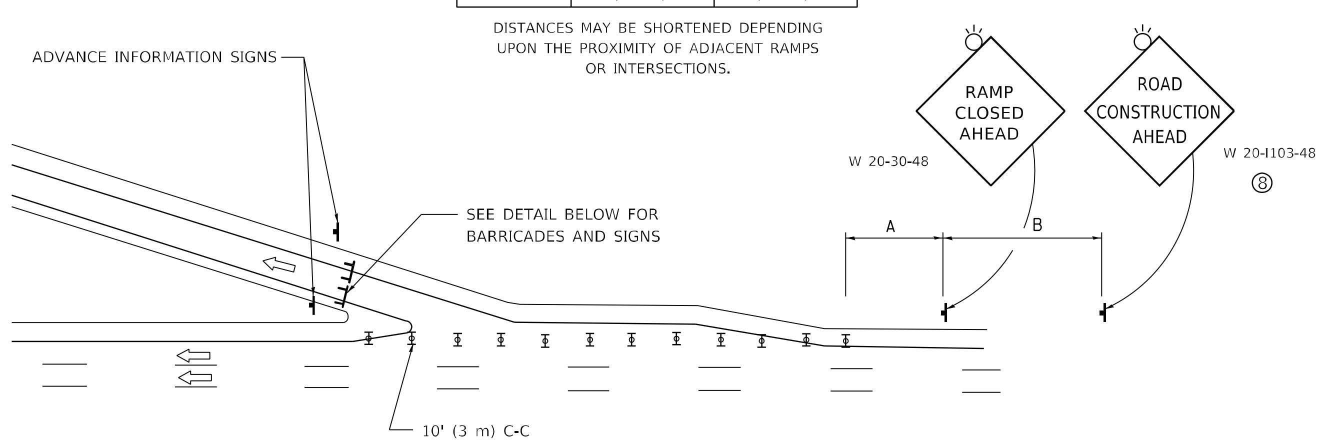


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

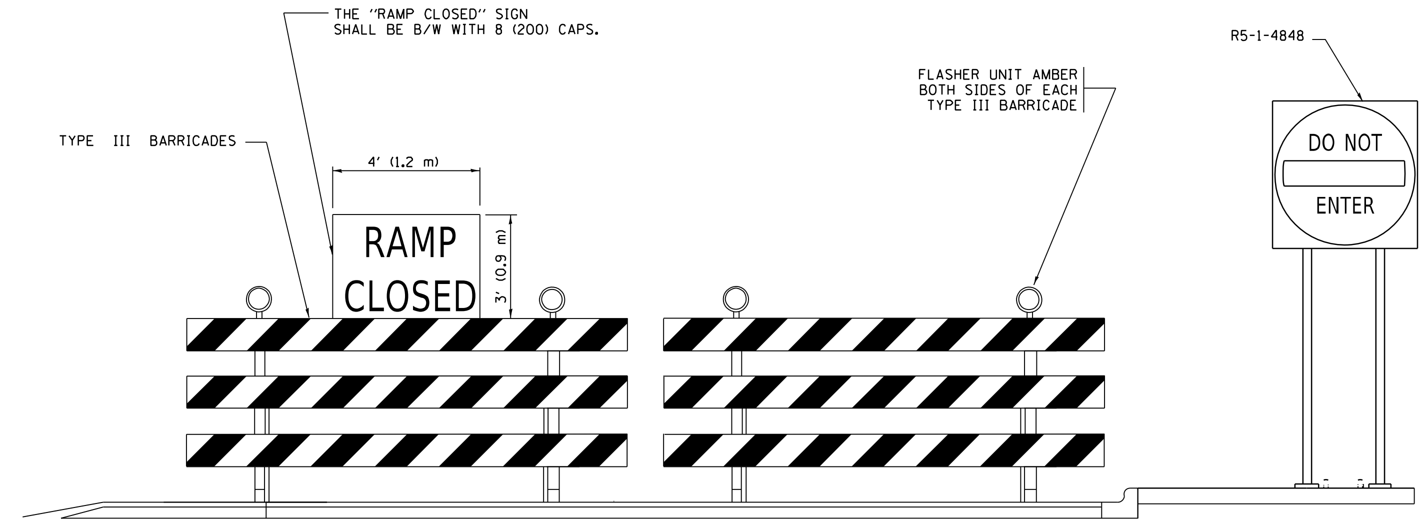
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

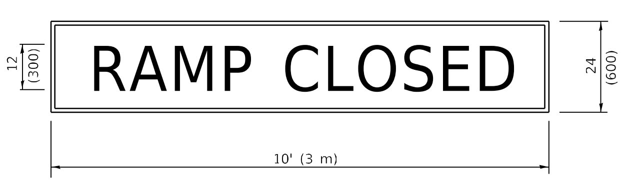
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



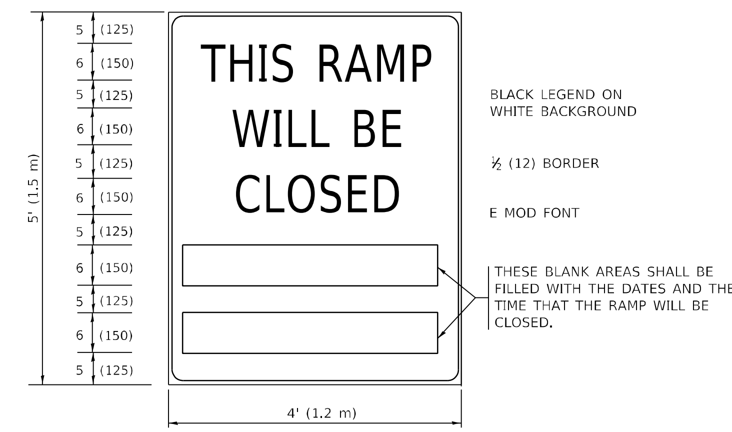
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
8. ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
9. ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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USER NAME = elknatiaaj	DESIGNED - D.W.S.	REVISED - S.P.B._01-07		
	DRAWN -	REVISED - S.P.B._12-09		
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M.D._06-13		
PLOT DATE = 10/20/2021	DATE - 02-83	REVISED - M.D._01-18		

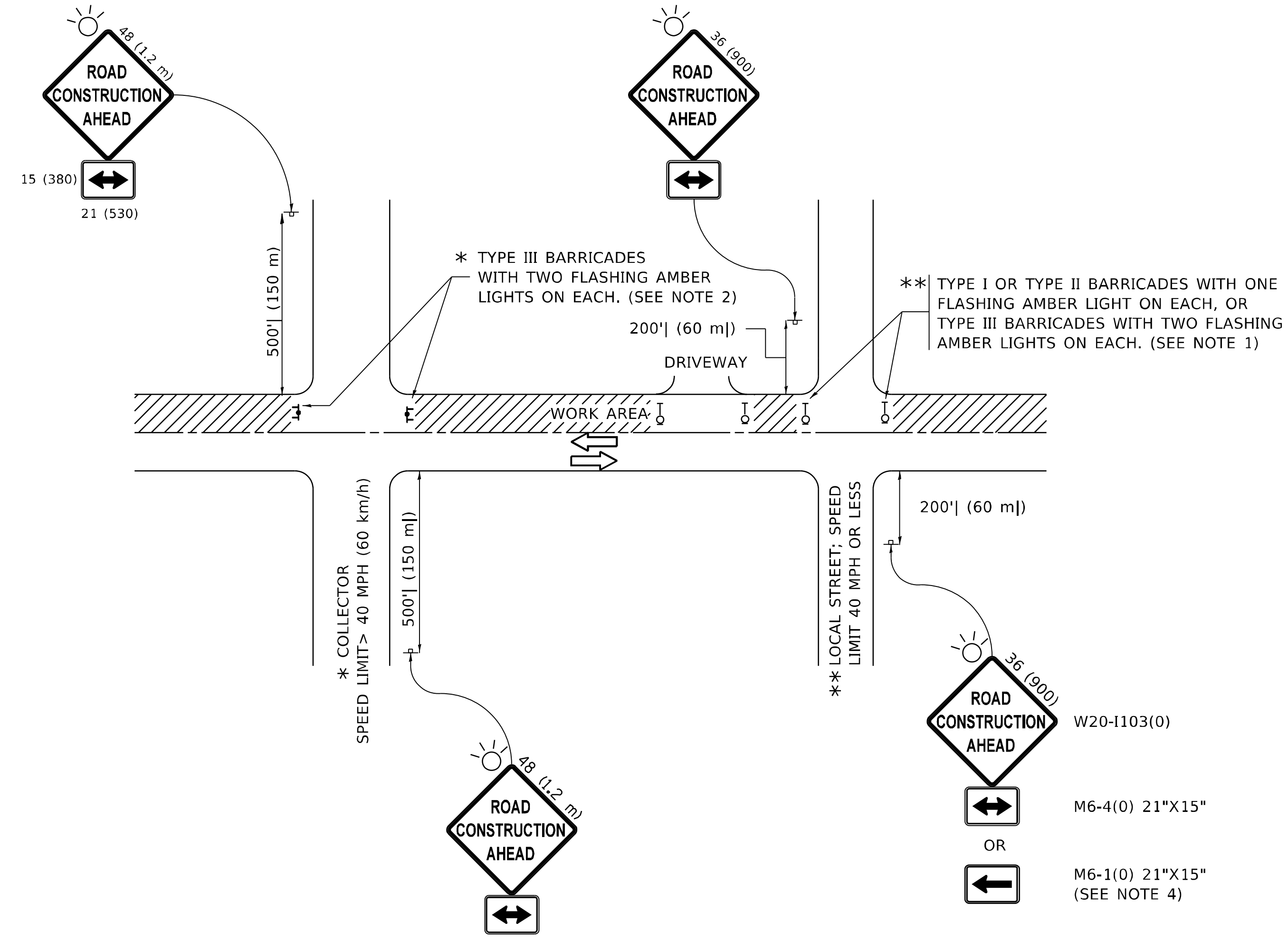
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	34

TC-08 | CONTRACT NO. 62L19
ILLINOIS | FED. AID PROJECT



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
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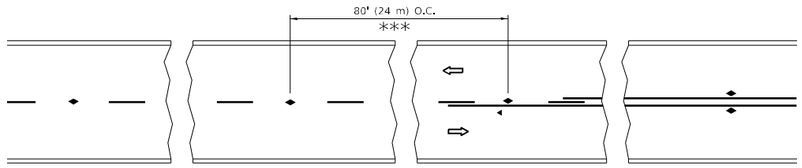
USER NAME = elkhatibaj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 10/20/2021	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

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

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

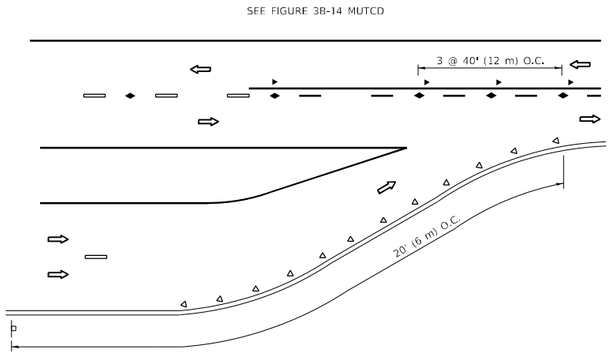
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	35
	TC-10	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



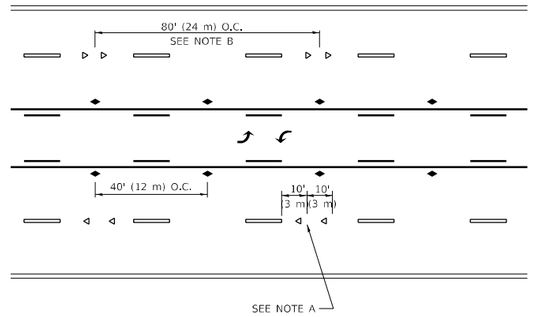
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

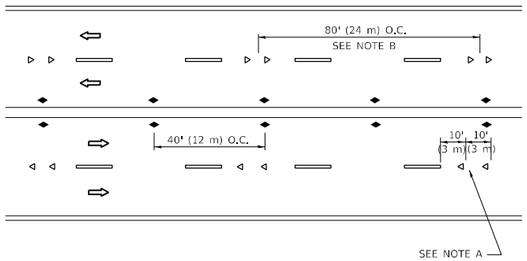
SEE FIGURE 3B-14 MUTCD



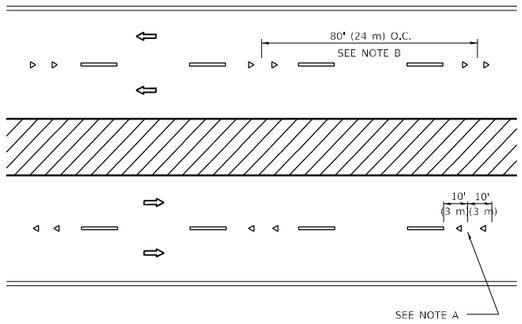
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



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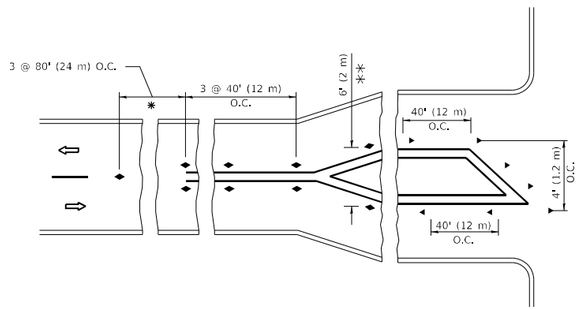

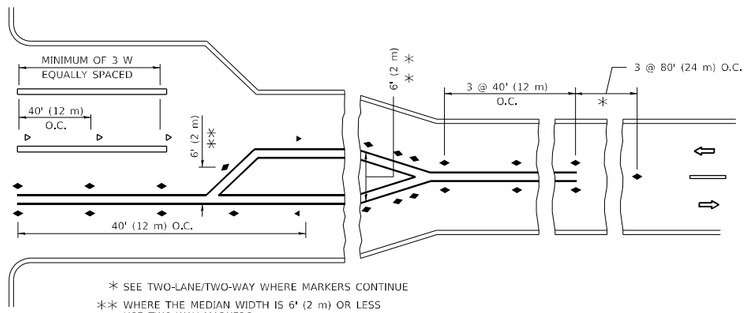

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

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.

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

MODEL: Default
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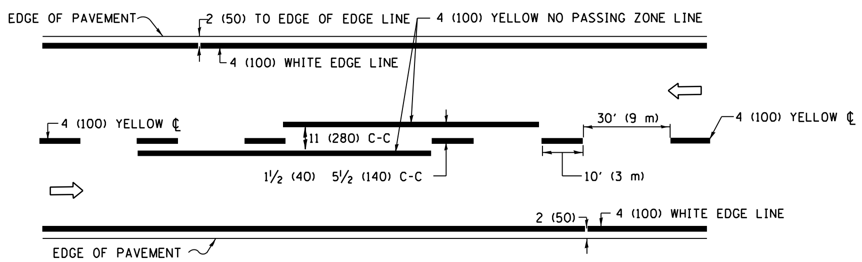
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 10/20/2021	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

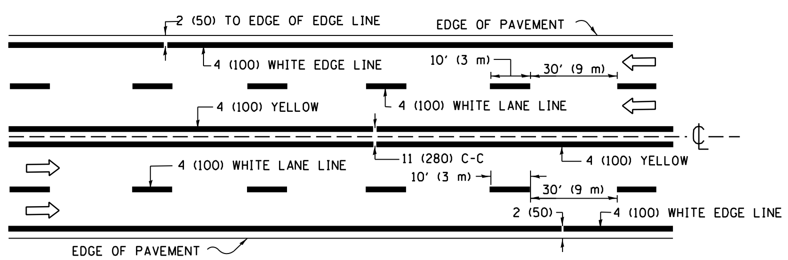
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

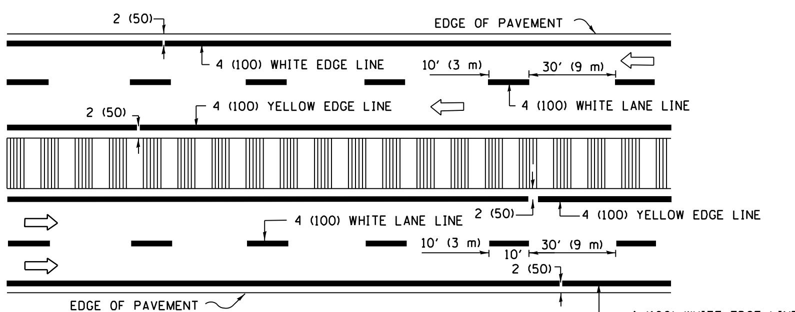
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	36
	TC-11	CONTRACT NO. 62L19		
		ILLINOIS	FED. AID PROJECT	



2–LANE ROADWAY

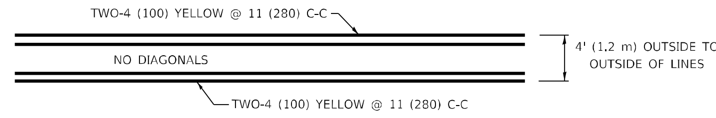


MULTI–LANE UNDIVIDED

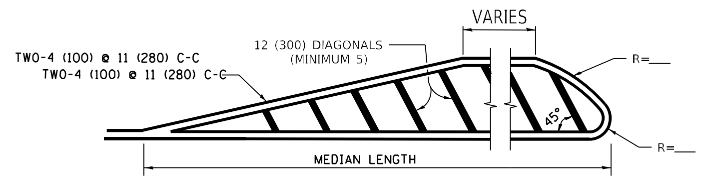


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



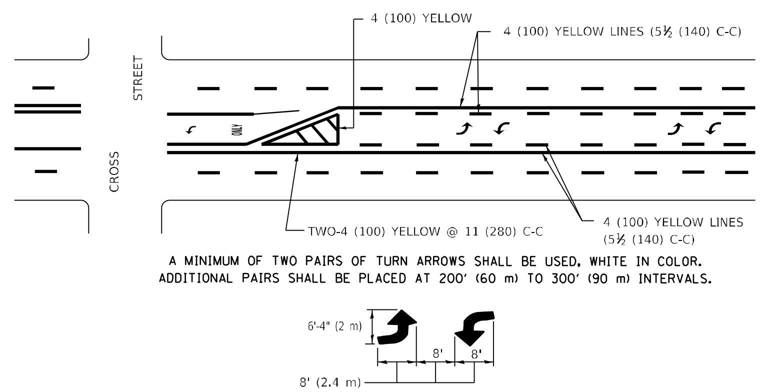
4' (1.2 m) WIDE MEDIANS ONLY



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

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

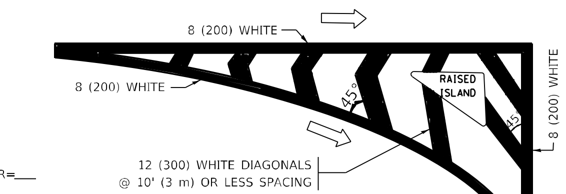
MEDIANS OVER 4' (1.2 m) WIDE



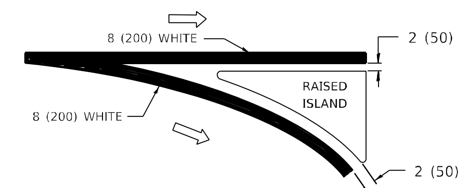
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

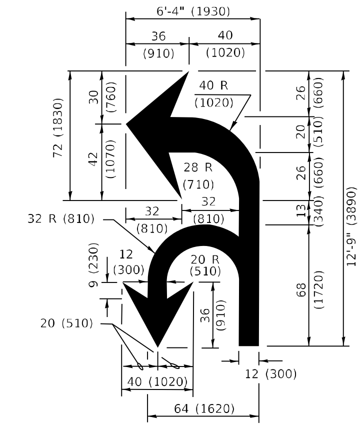


ISLAND OFFSET FROM PAVEMENT EDGE

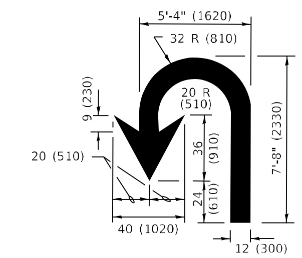


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

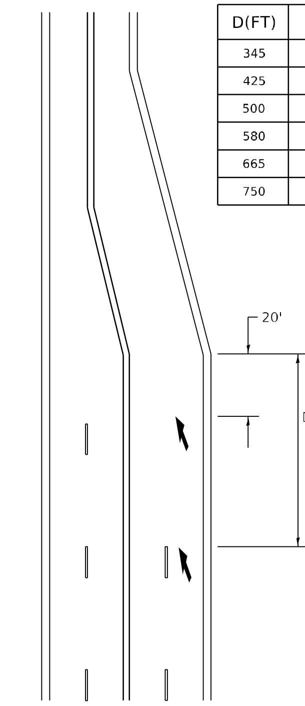


COMBINATION LEFT AND U–TURN



U–TURN

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



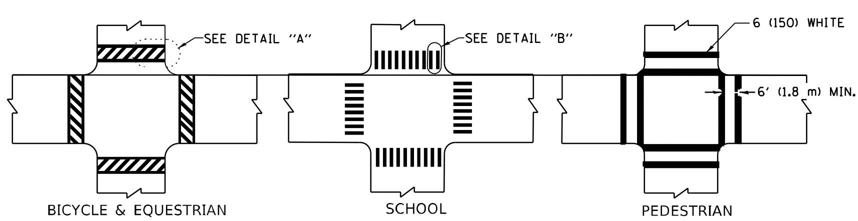
LANE REDUCTION TRANSITION

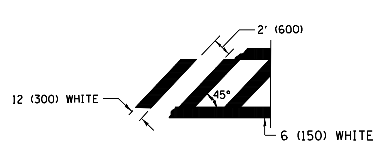
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	5½ (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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

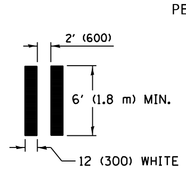
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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





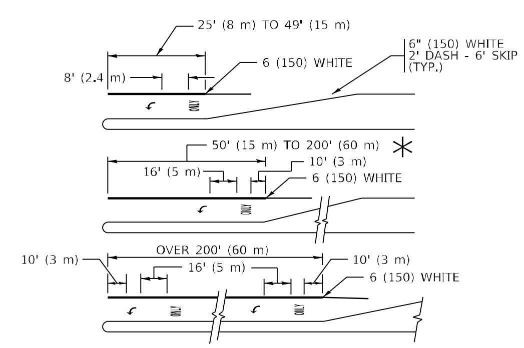
DETAIL "A"



DETAIL "B"

TYPICAL CROSSWALK MARKING

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



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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USER NAME = elkhatibaj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 10/20/2021	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	37
TC-13		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

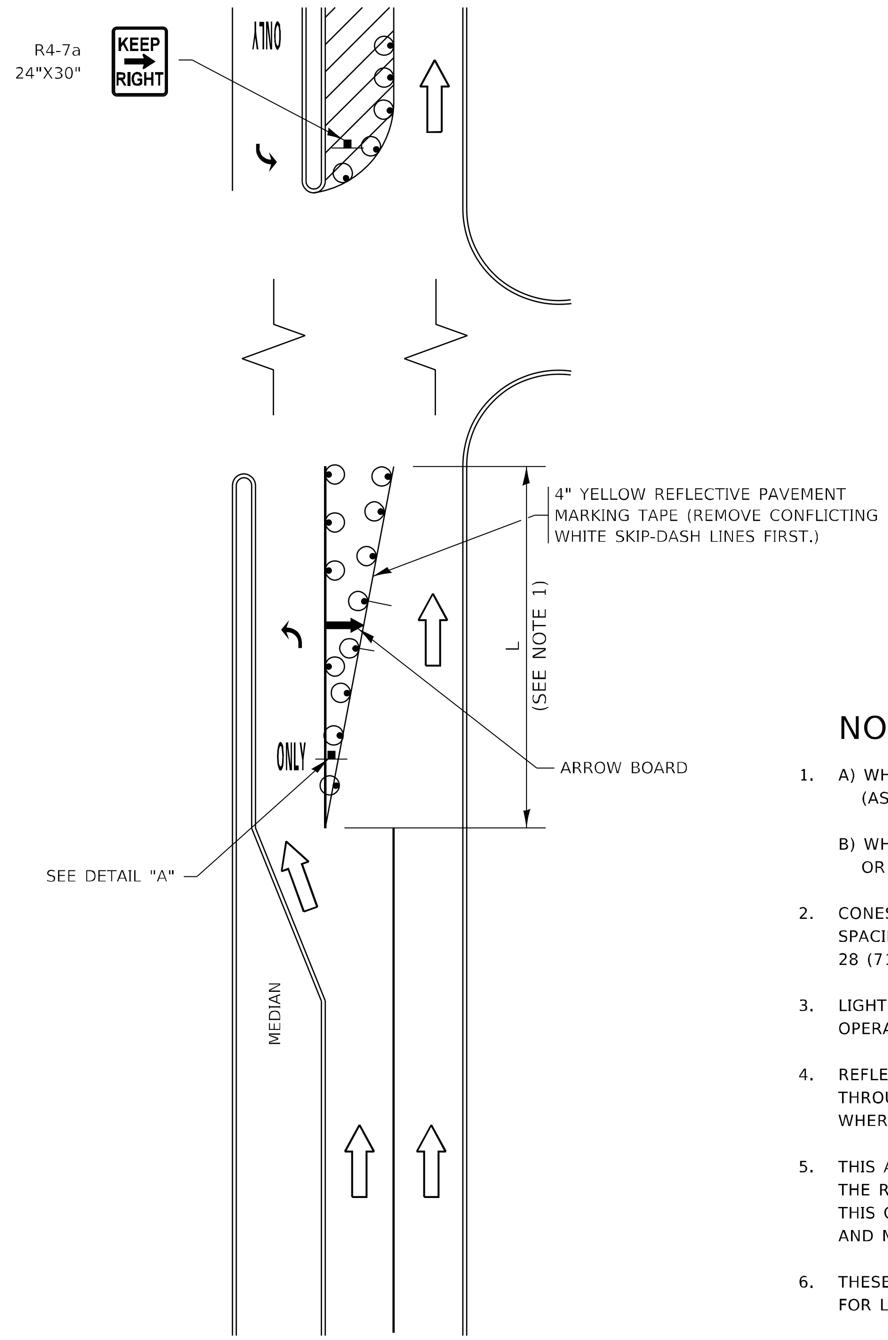


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

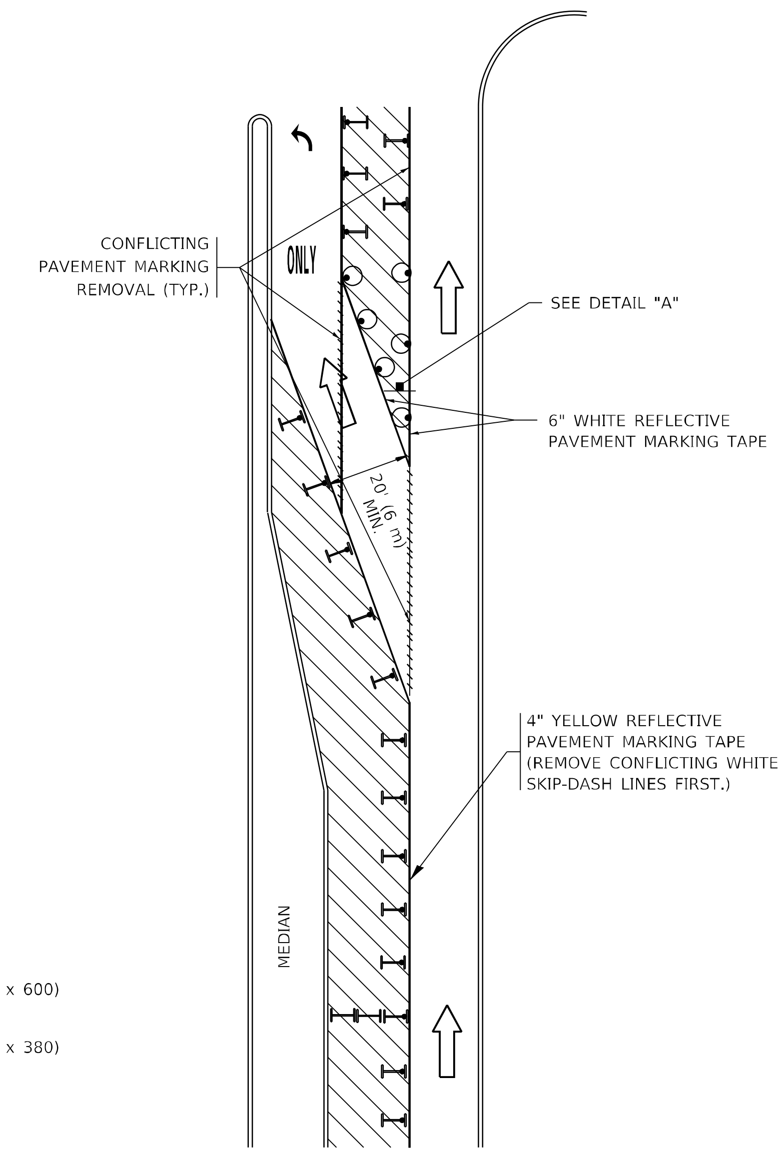


FIGURE 2

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.

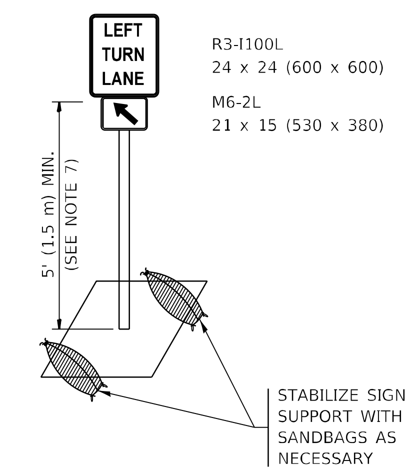
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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USER NAME = elknatibaj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	
	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 = 10/20/2021	DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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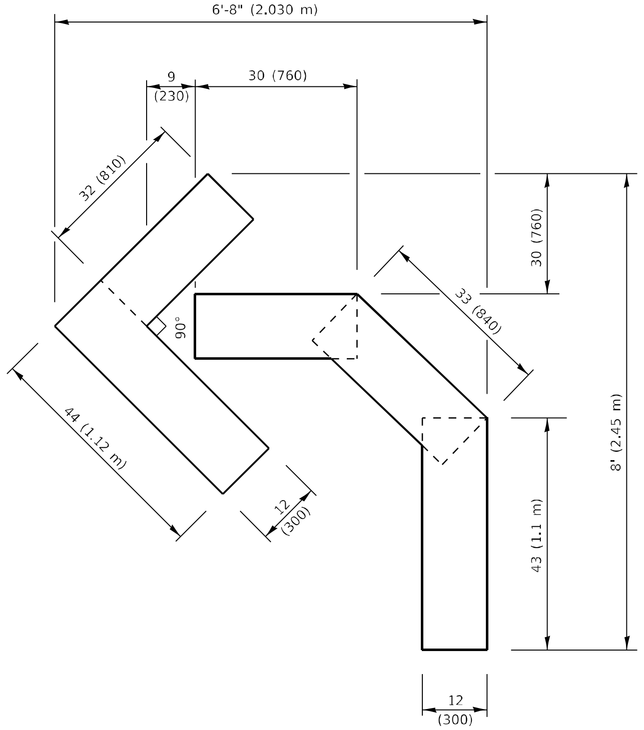
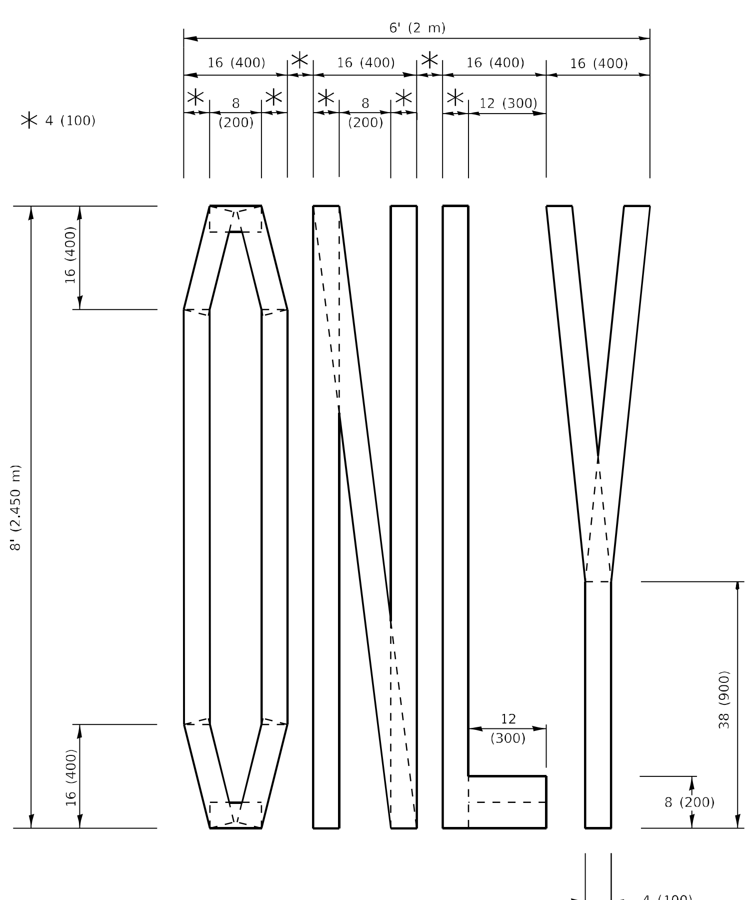
TC-14		CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		



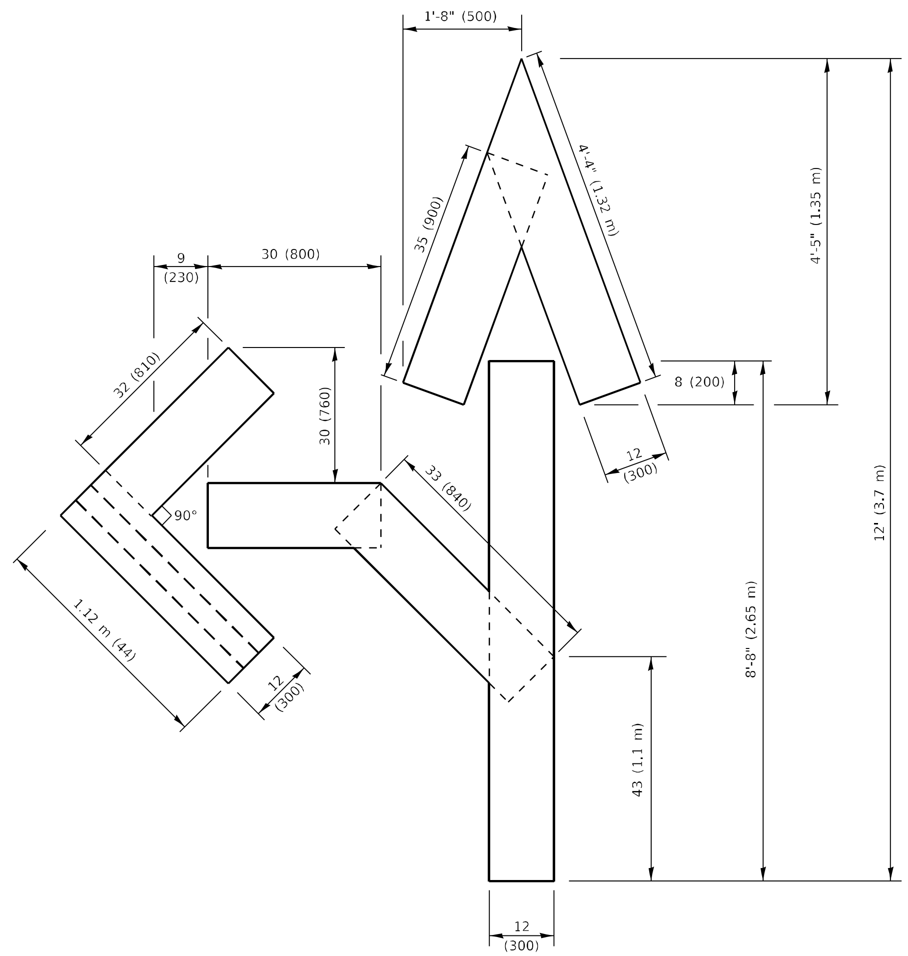
QUANTITY

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)

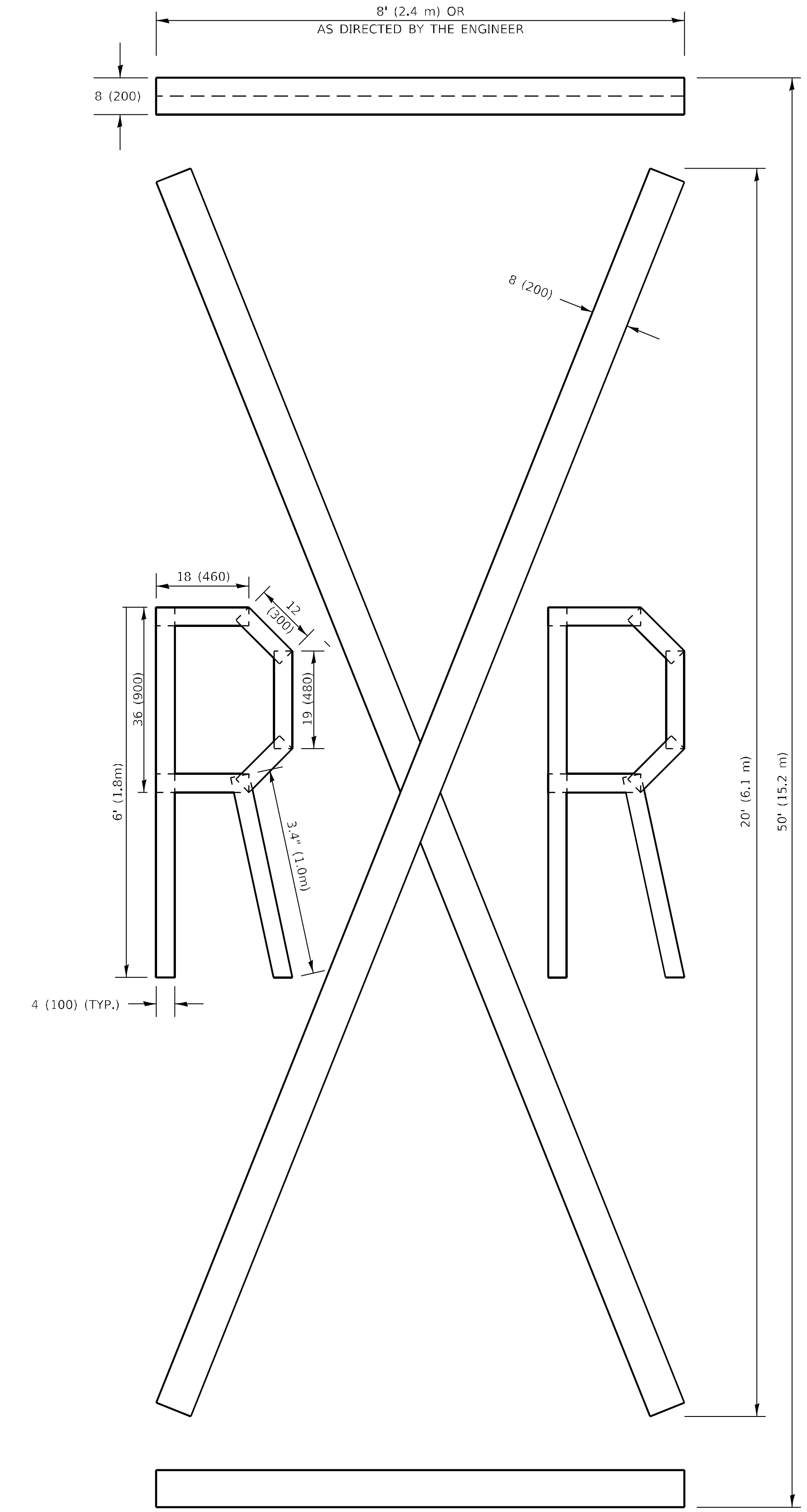


QUANTITY

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.

USER NAME = elkhatiba]	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 100.0010 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 10/20/2021	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

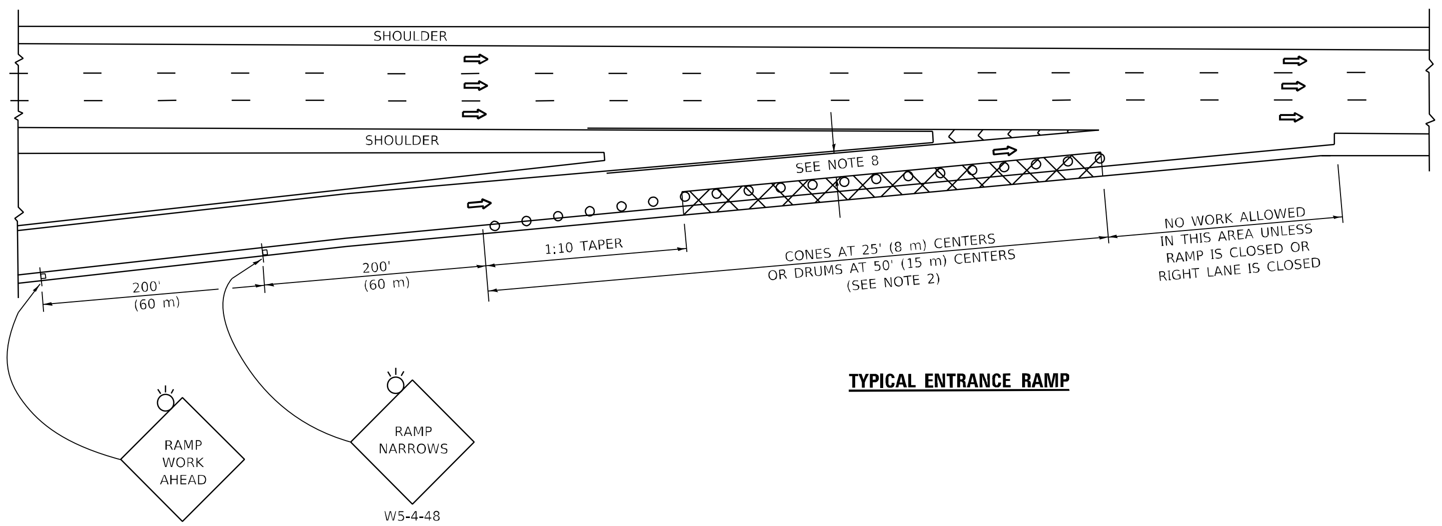
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

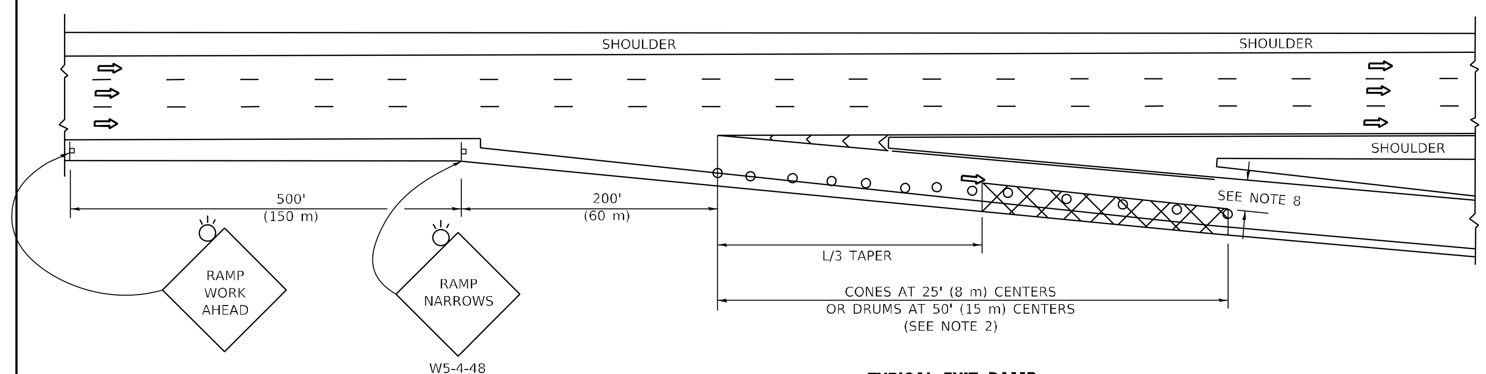
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	39
	TC-16	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

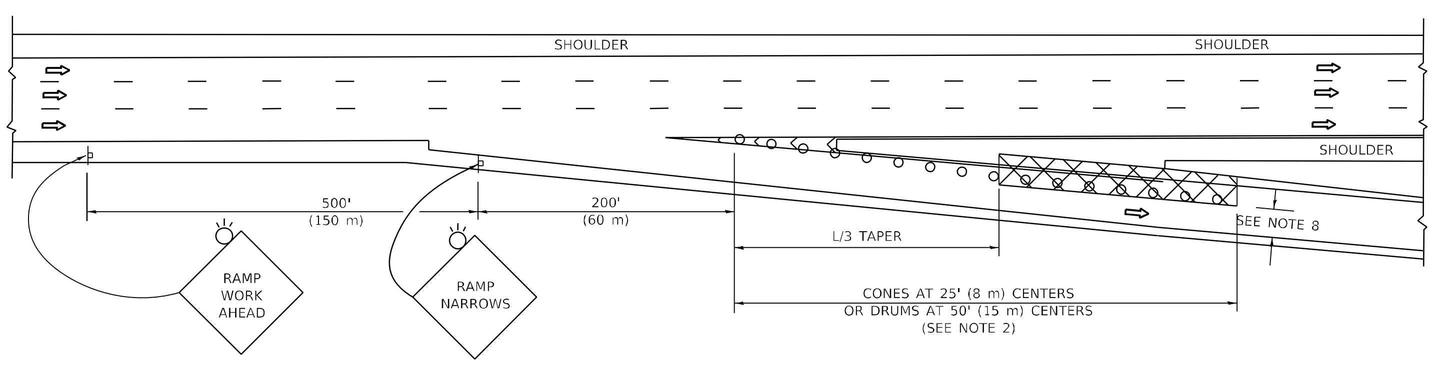
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

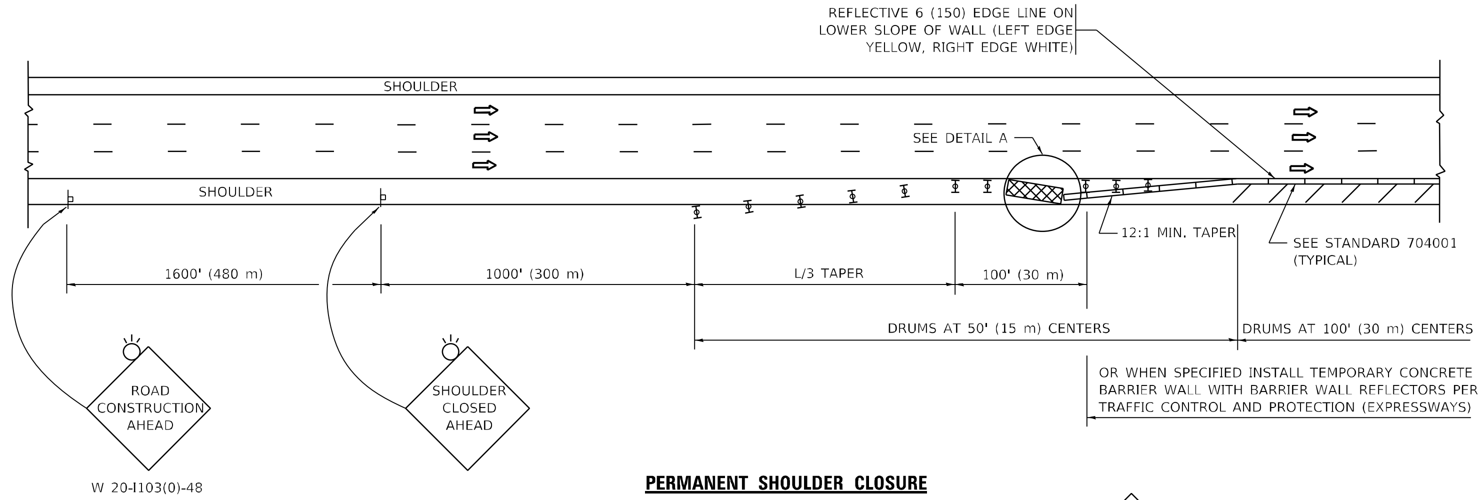


TYPICAL EXIT RAMP

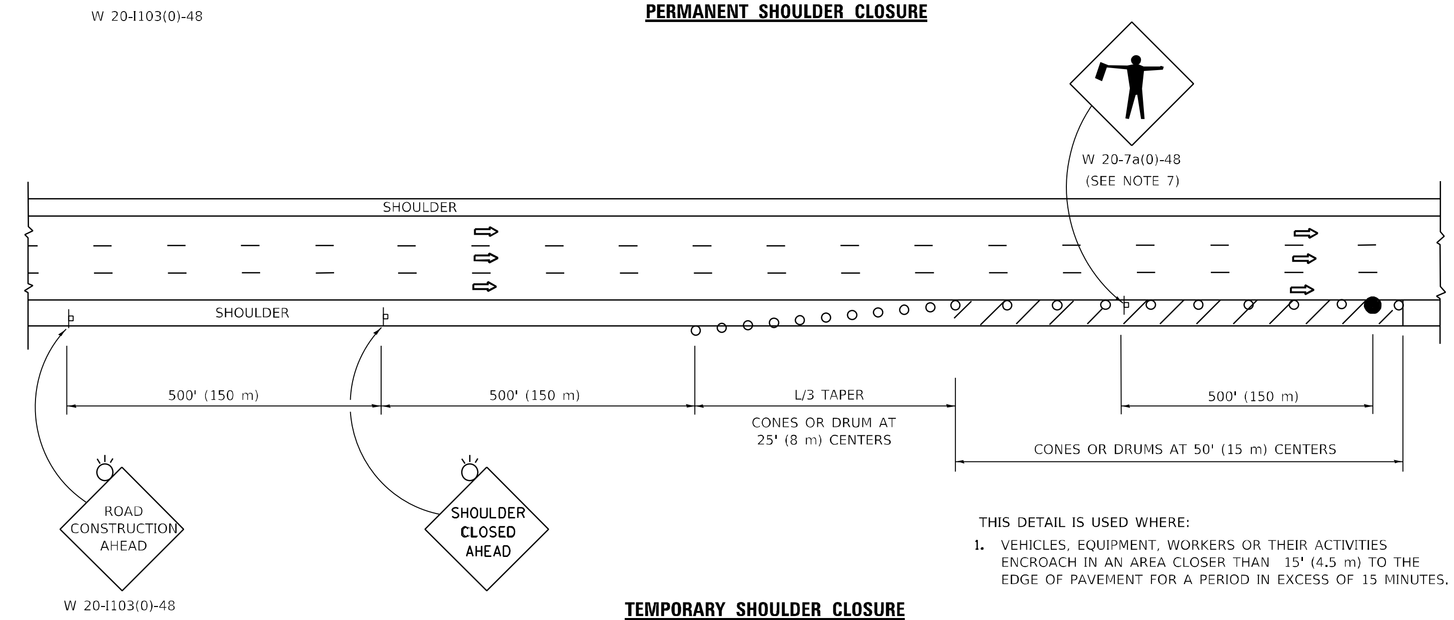


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



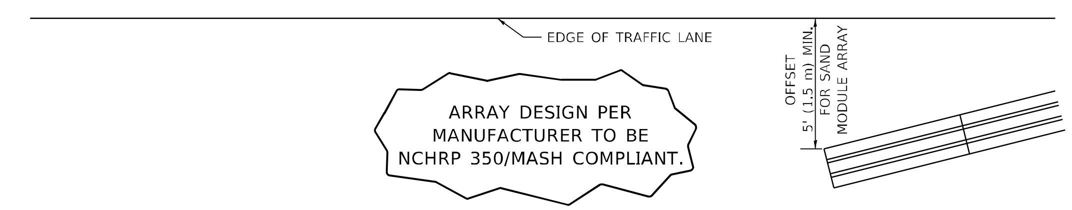
PERMANENT SHOULDER CLOSURE



THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

TEMPORARY SHOULDER CLOSURE



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS METRIC	FORMULAS ENGLISH
45 mph (80 km/h) OR GREATER:	L=0.65(WXS)	L=(WXS)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENTUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
   b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.

   THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
   16' MIN. WIDTH CURVE SECTION.
9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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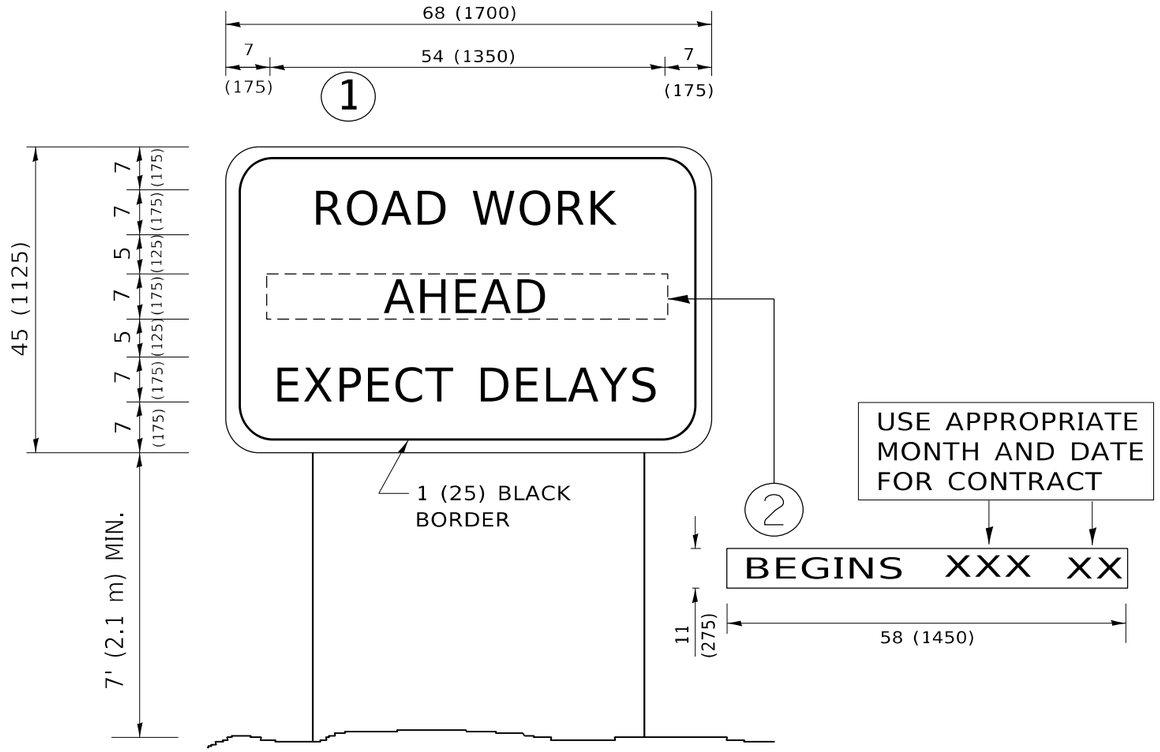
	DRAWN - D.W.S.	REVISED - M.D. 06-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M.D. 01-18	
PLOT DATE = 10/20/2021	DATE - 11-96	REVISED - M.D. 10-20	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	40
TC-17		CONTRACT NO. 62L19		
	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.

USER NAME = elknatibaj	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 = 10/20/2021	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

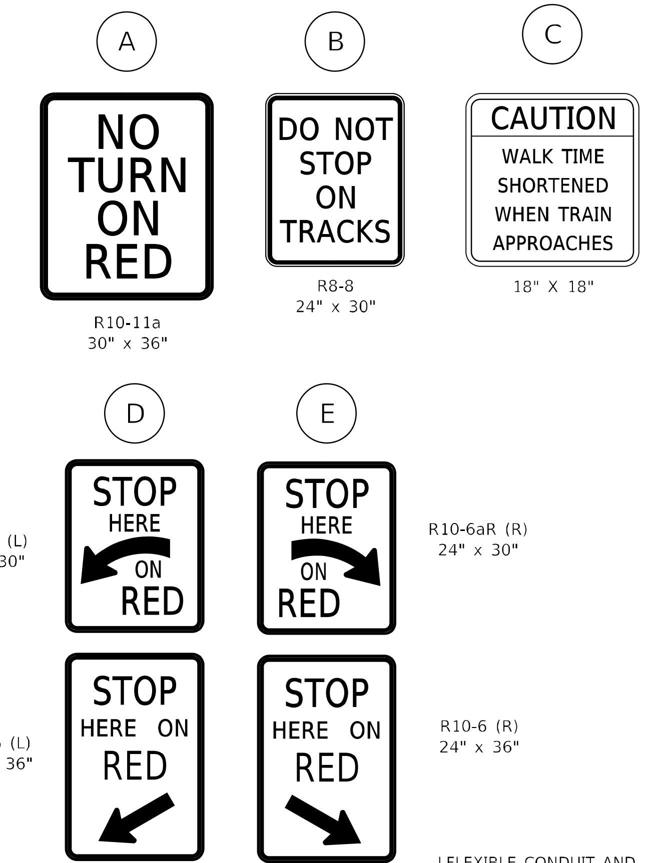
ARTERIAL ROAD INFORMATION SIGN

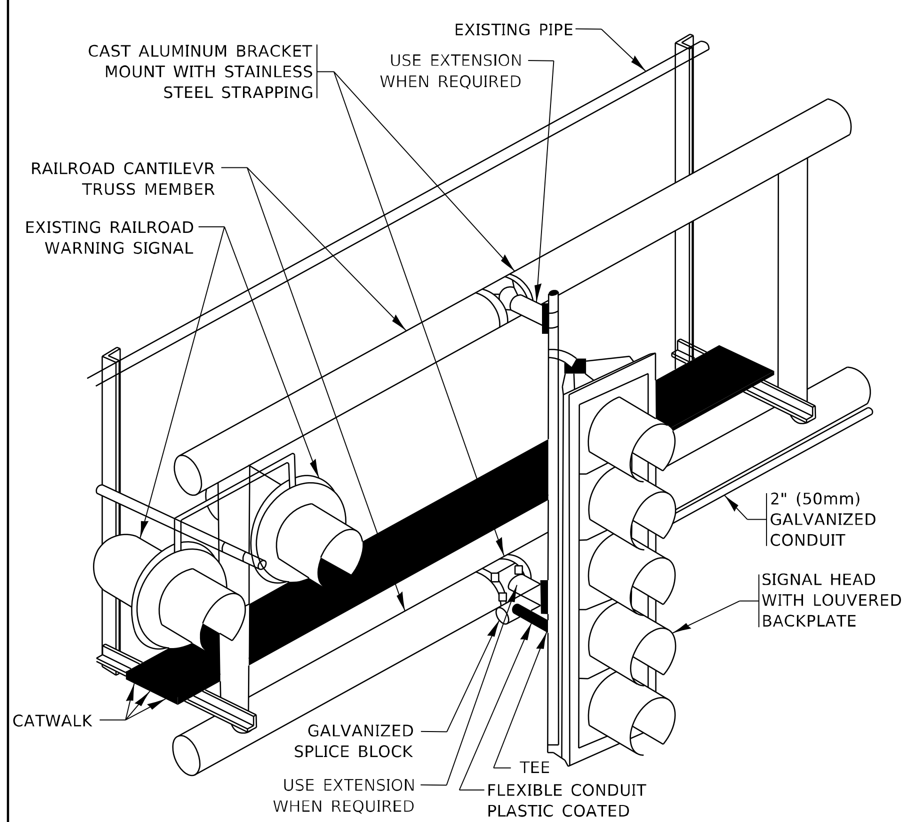
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	41
	TC-22	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

NOTE:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.

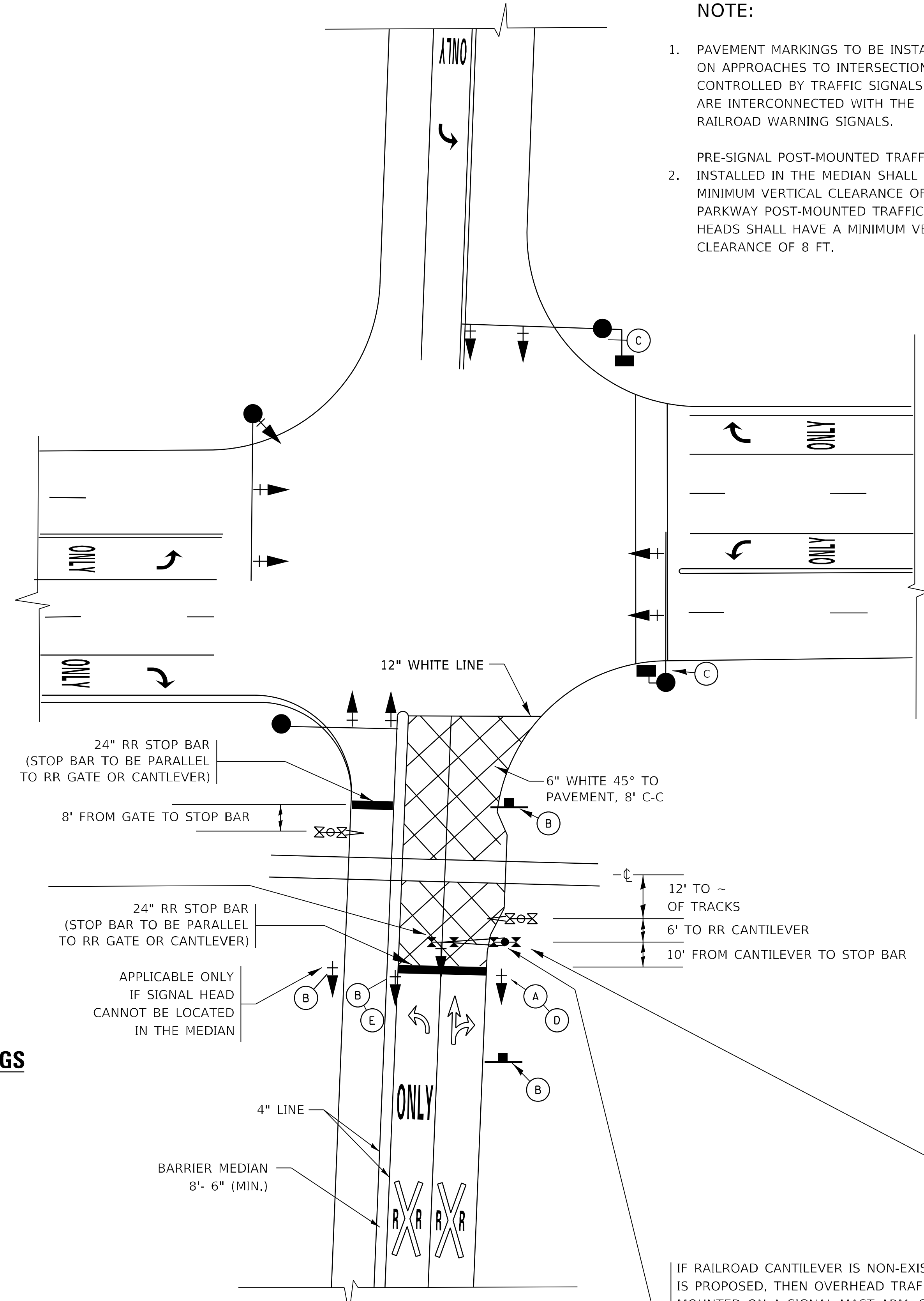




RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

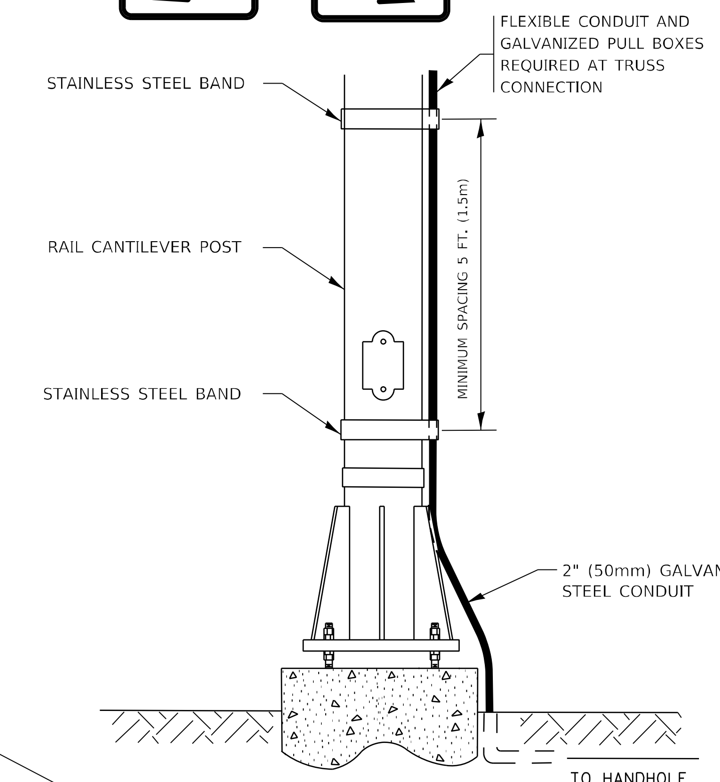
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION

N.T.S.



IF RAILROAD CANTILEVER IS NON-EXISTANT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL HEADS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM SHALL BE AT LEAST 12 FT. FROM NEAREST RAIL.

SIGNALIZED INTERSECTION WITH NEAR–SIDE TRAFFIC SIGNAL



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

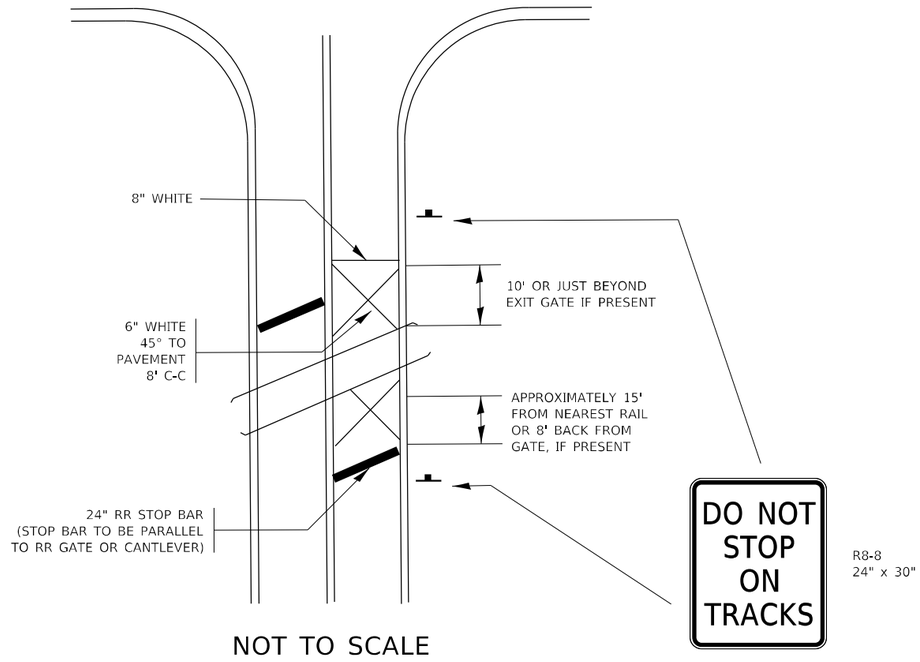
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.

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

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

WITH SIGNALIZED INTERSECTION



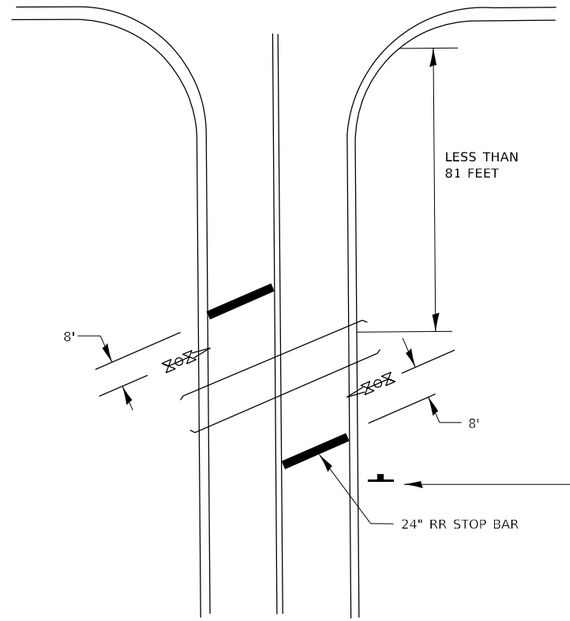
NOT TO SCALE

NOTE:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON–SIGNALIZED INTERSECTION

81' OR LESS TO CLOSEST RAIL



W10-I100
30" x 36"

R8-8
24" x 30"

NOTE:

1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

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

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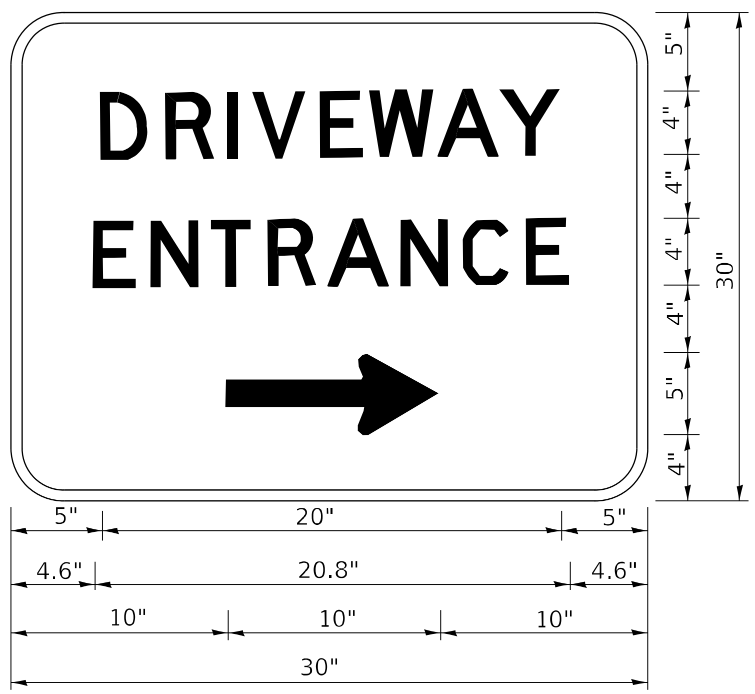
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	43
	TC–23	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

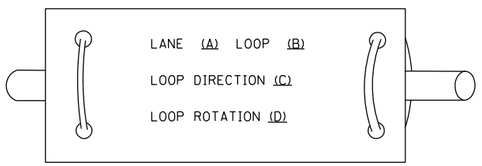
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

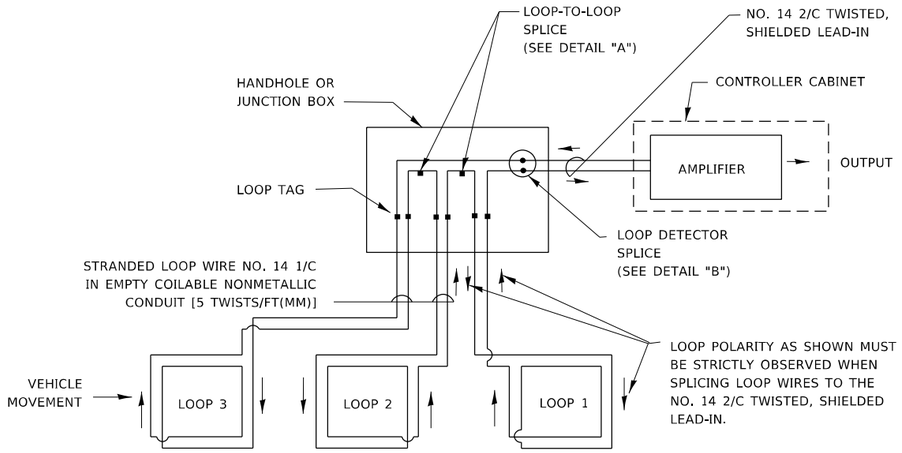


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

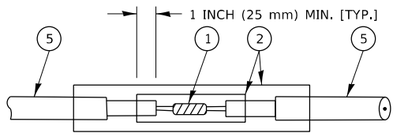
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

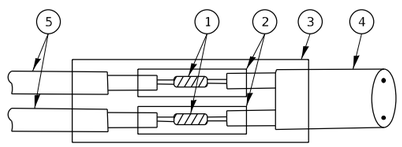


DETECTOR LOOP WIRING SCHEMATIC

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

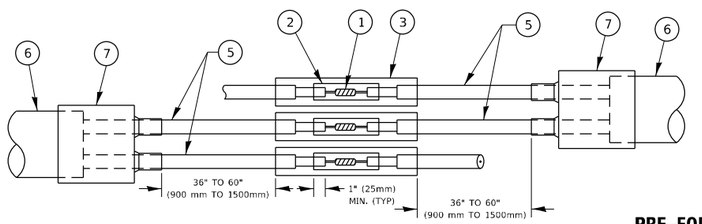


DETAIL "A"
LOOP-TO-LOOP SPLICE



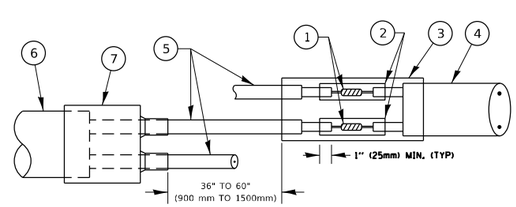
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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PLOT DATE = 10/20/2021	DATE -	REVISED -

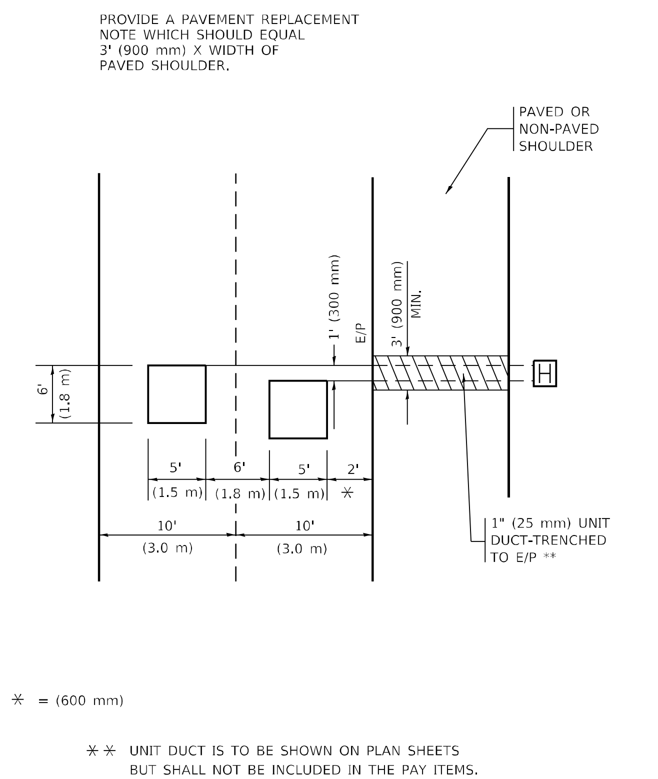
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	45
	TS-05	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS



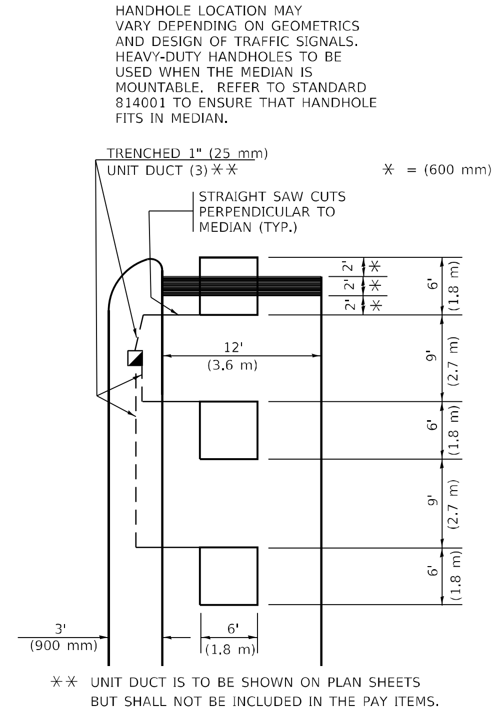
* = (600 mm)

** 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)



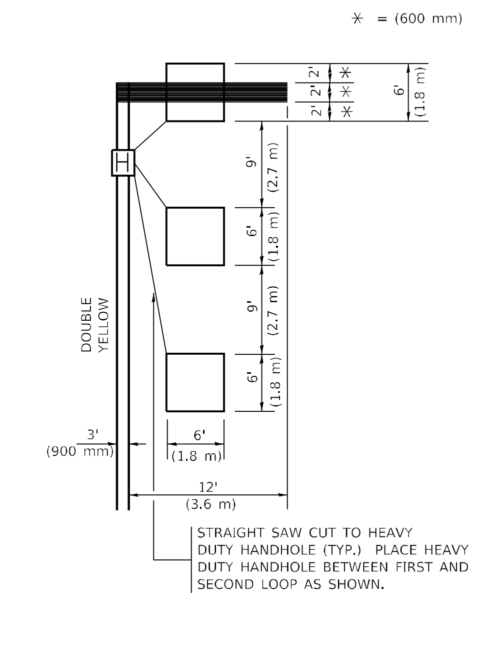
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

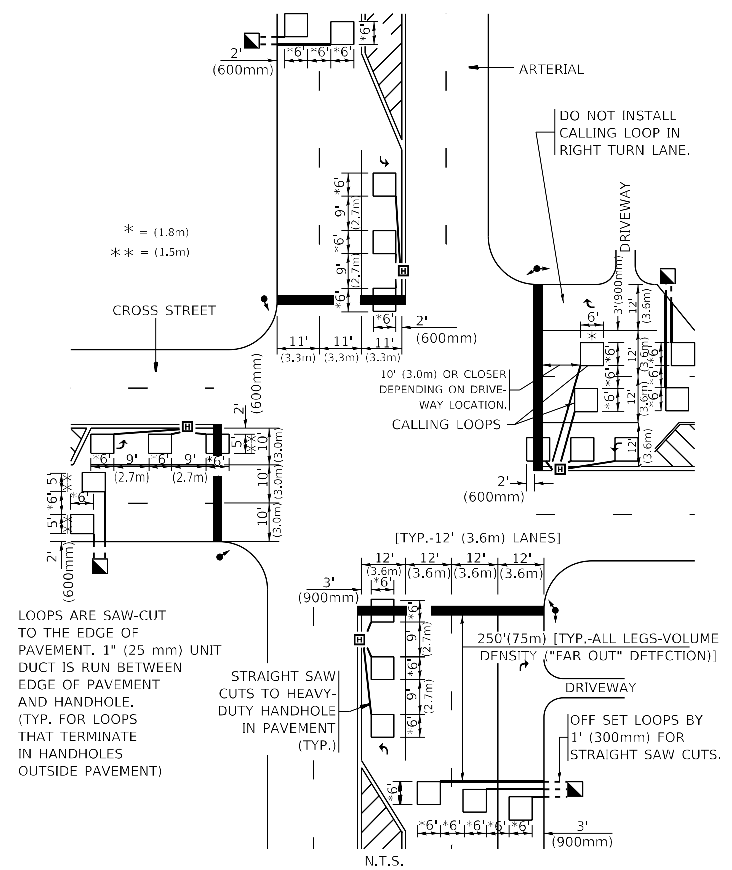
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

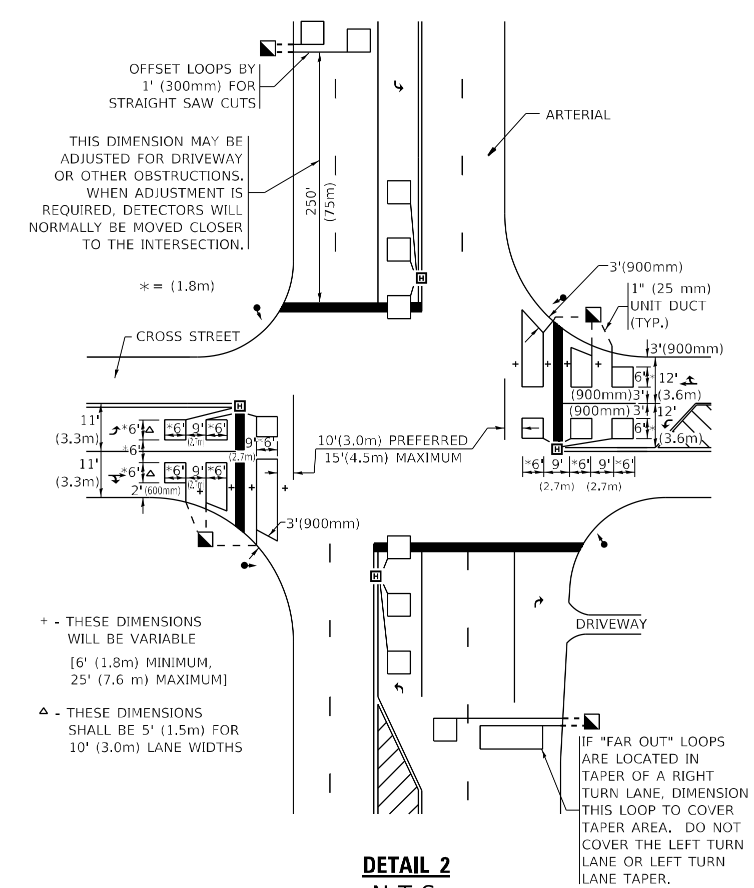
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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	DRAWN -	REVISED -	
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PLOT DATE = 10/20/2021	DATE -	REVISED -	

DISTRICT 1 – DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	46
TS-07		CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

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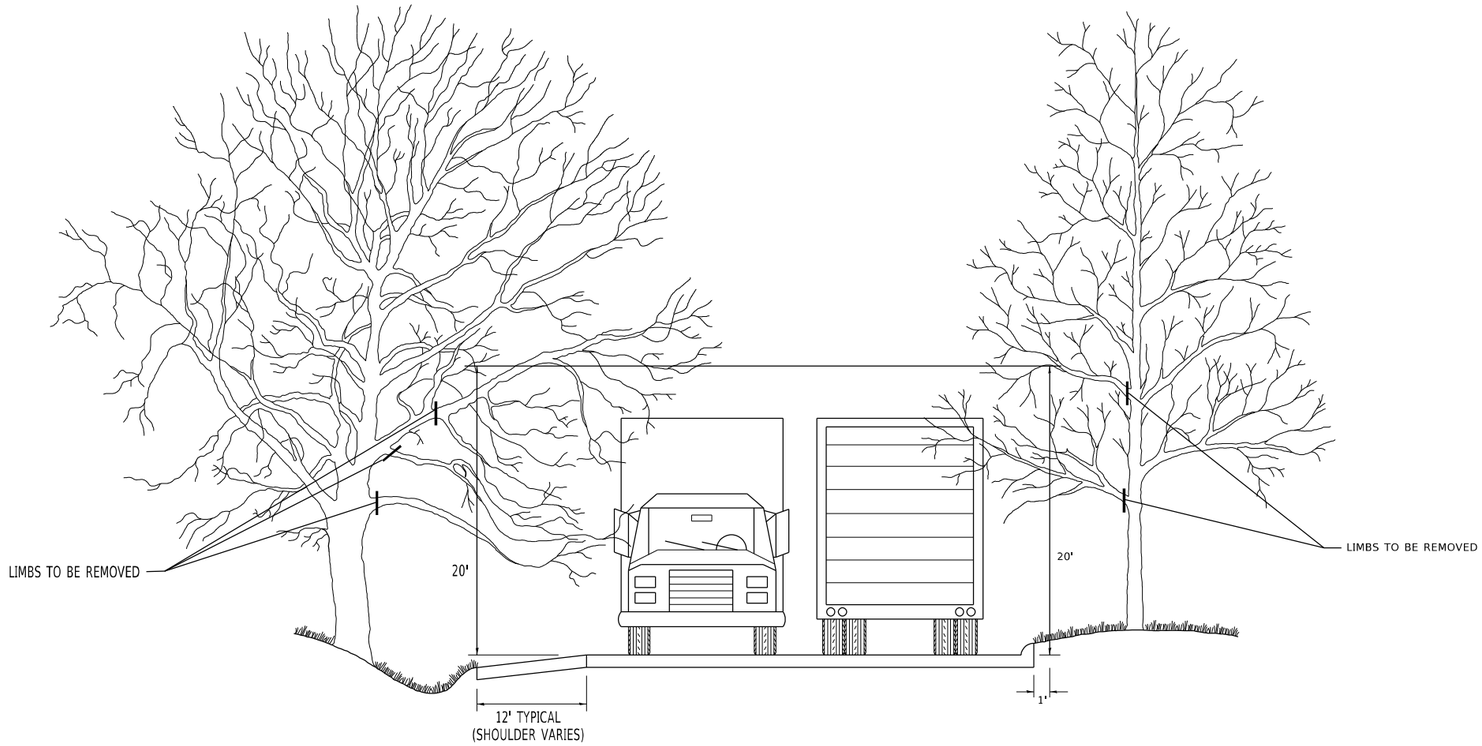

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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/20/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

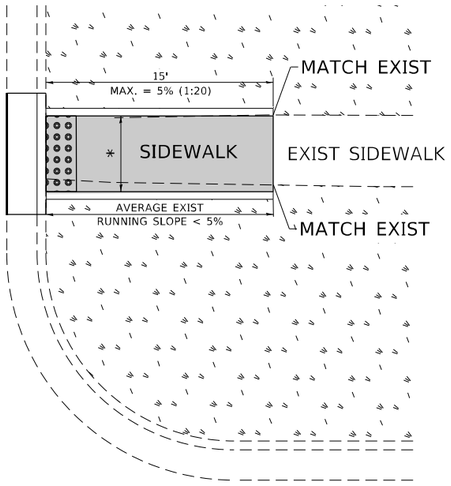
PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE

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

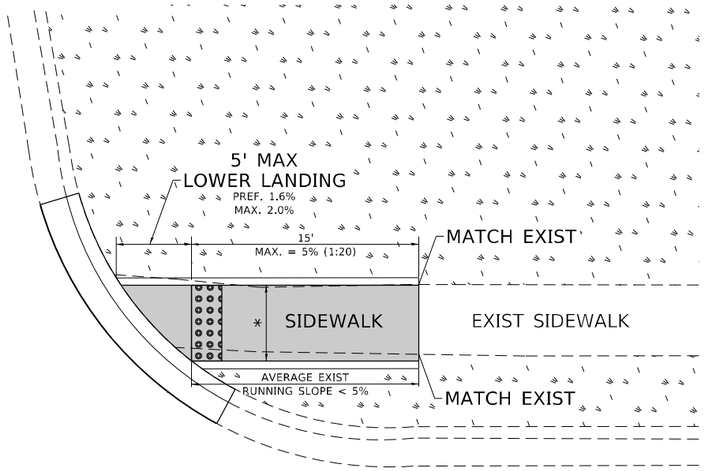
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	47
	BM–20	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

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

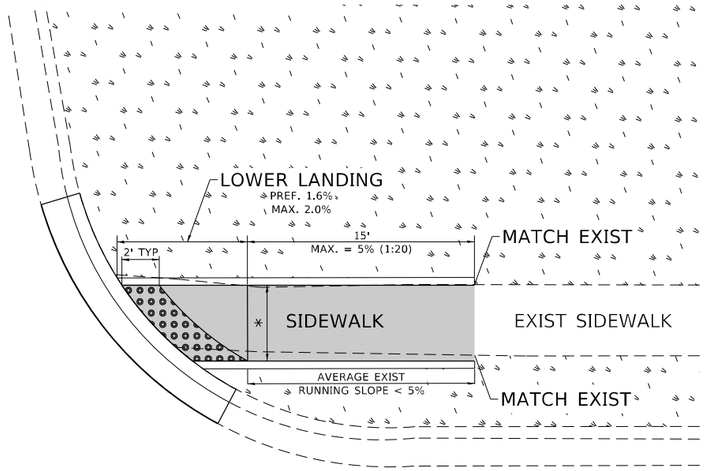
PD–01A



PD–01B



PD–01C



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 = 10/20/2021	DATE -	10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

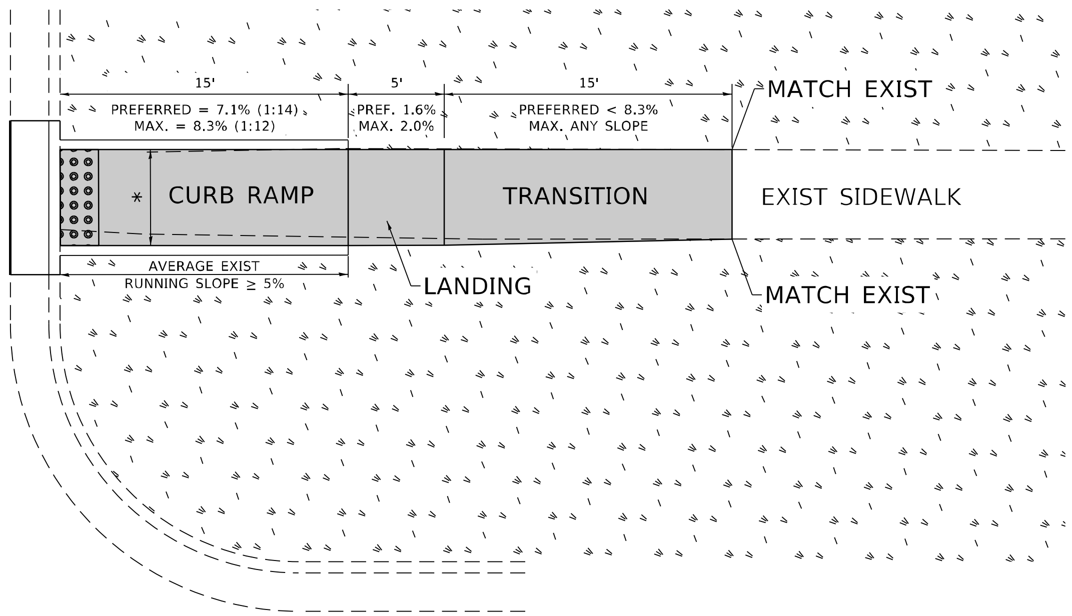
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD–01)

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

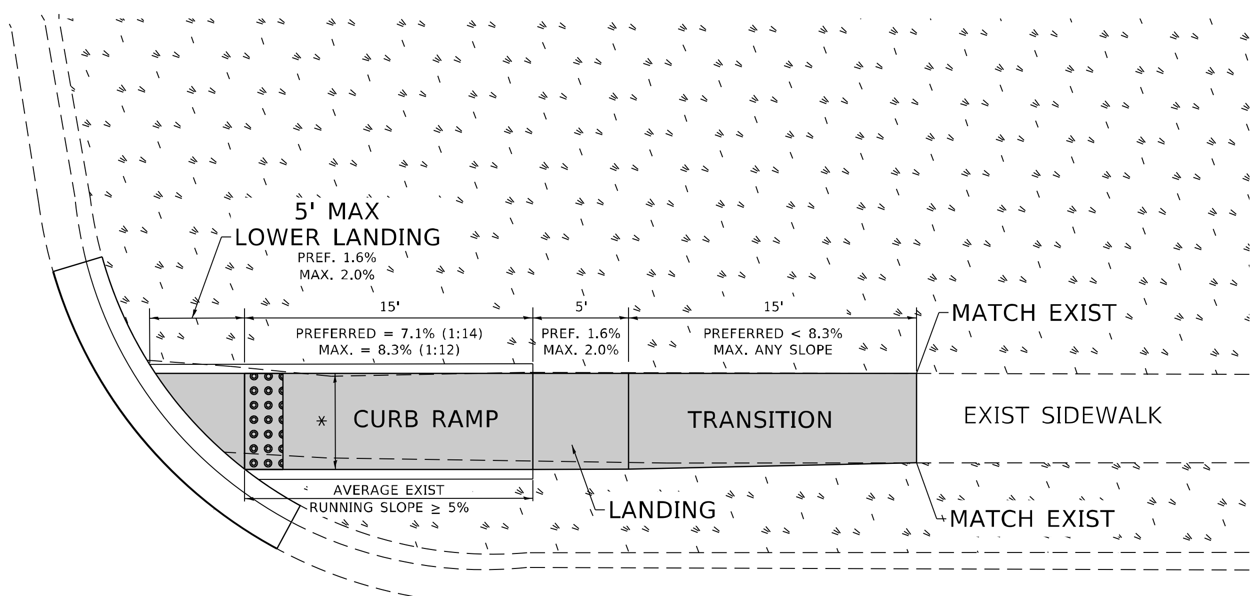
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	48
	PD-01	CONTRACT NO. 62L19		
	ILLINOIS FED. AID PROJECT			

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

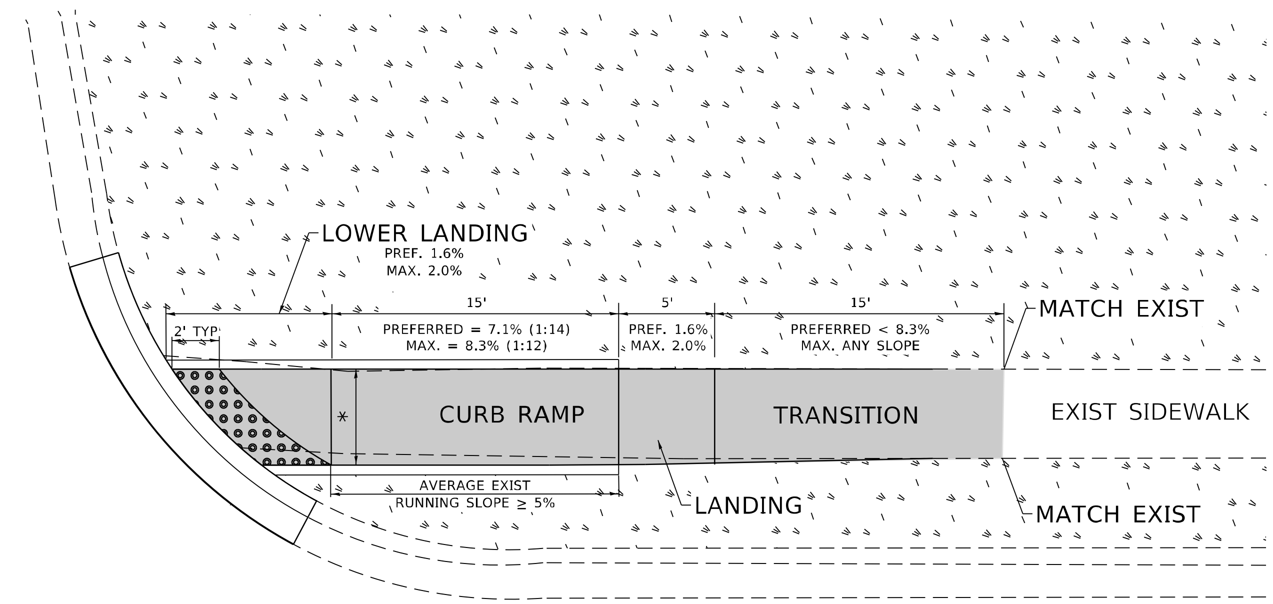
PD–02A



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 DATE = 10/20/2021	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

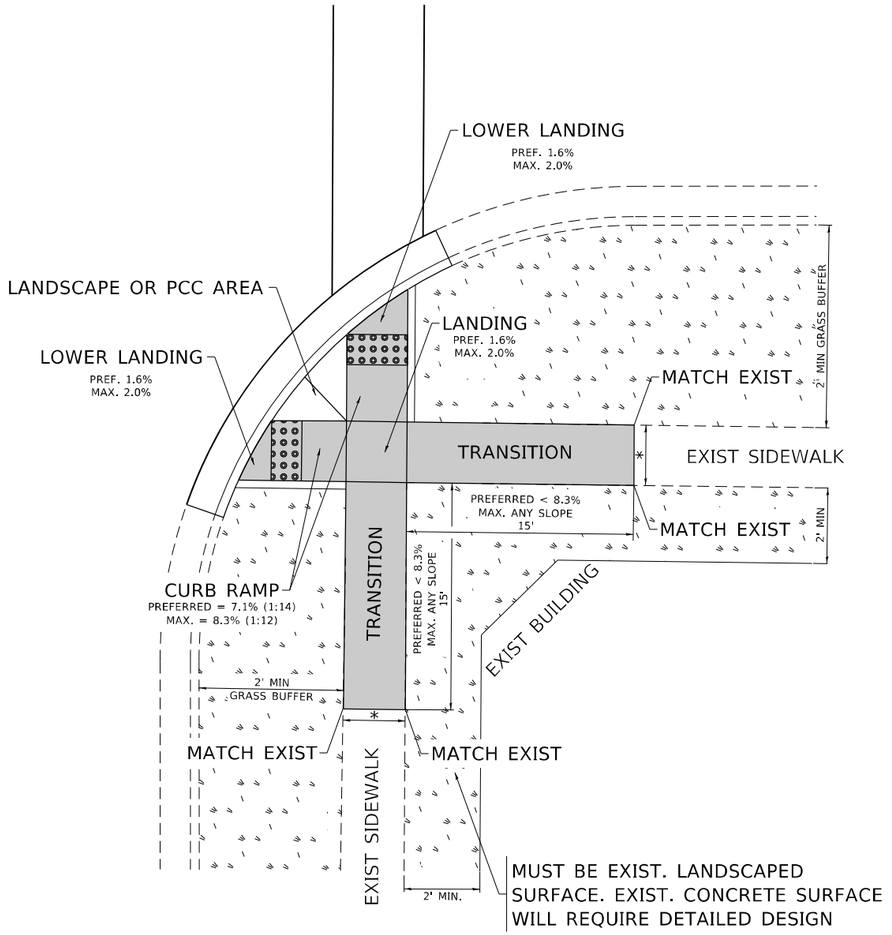
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD–02)

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

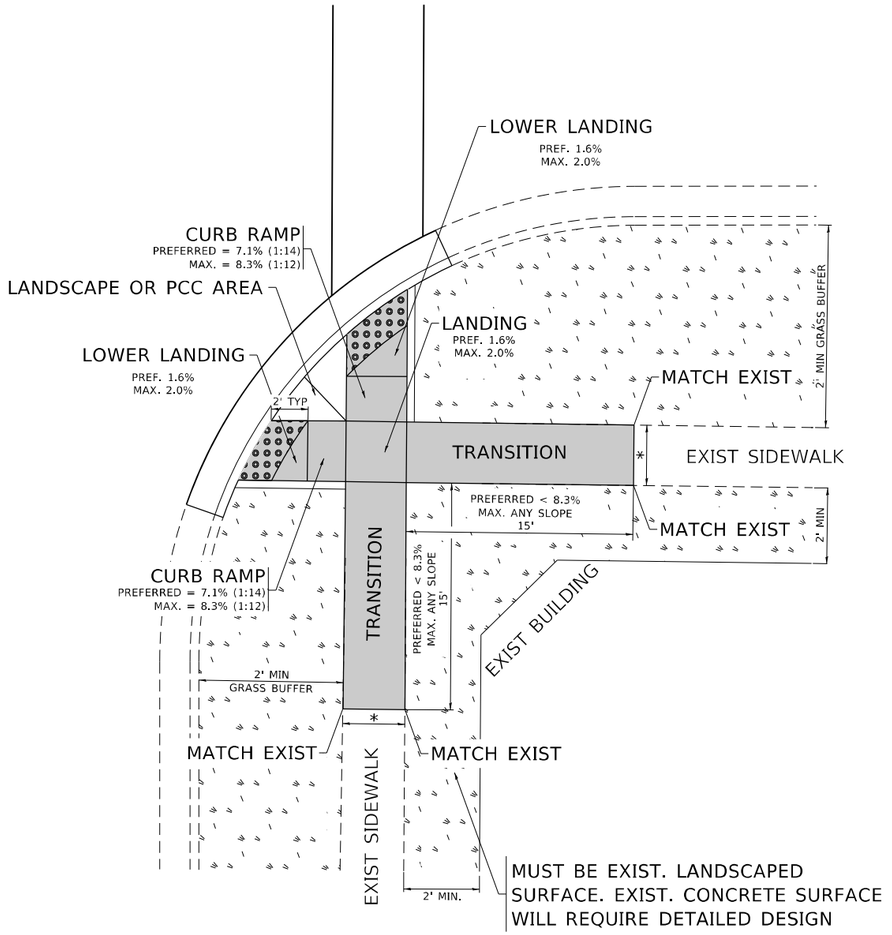
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	49
	PD-02	CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD–03A



PD–03B



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

USER NAME = elknatibaj	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/20/2021	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD–03)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	50
	PD-03	**CONTRACT NO.** 62L19		
	ILLINOIS FED. AID PROJECT			

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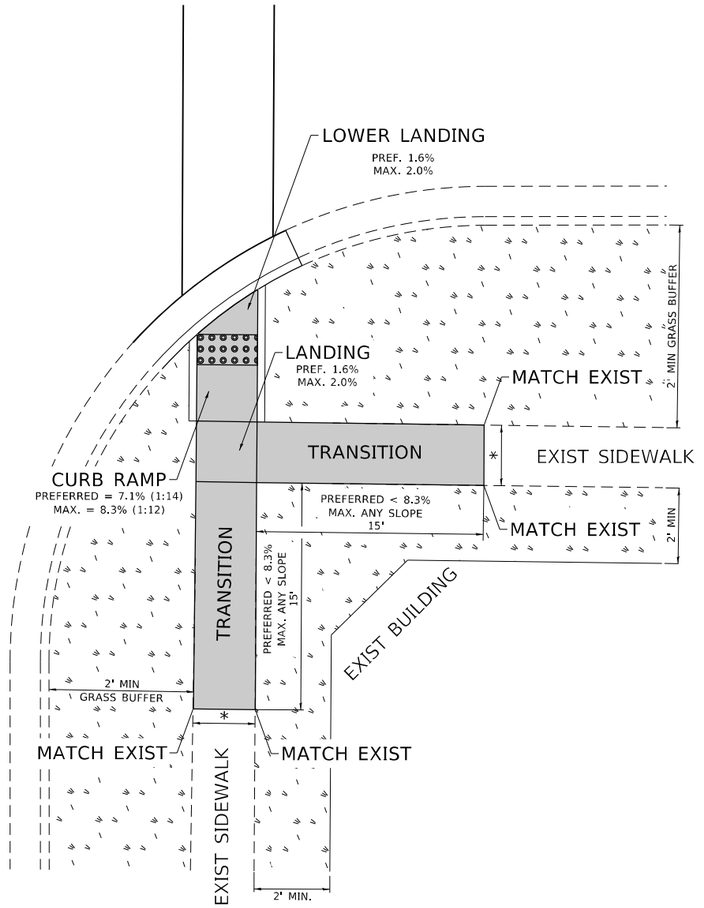
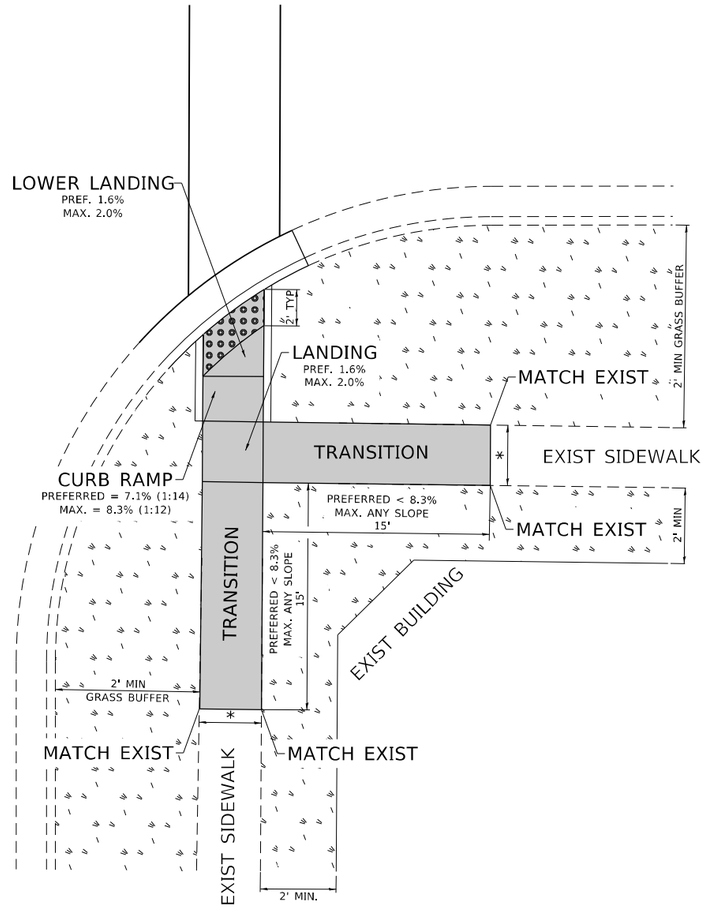
ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD–04A



PD–04B



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 SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/20/2021	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	51
	PD-04	CONTRACT NO. 62L19		
		ILLINOIS FED. AID PROJECT		

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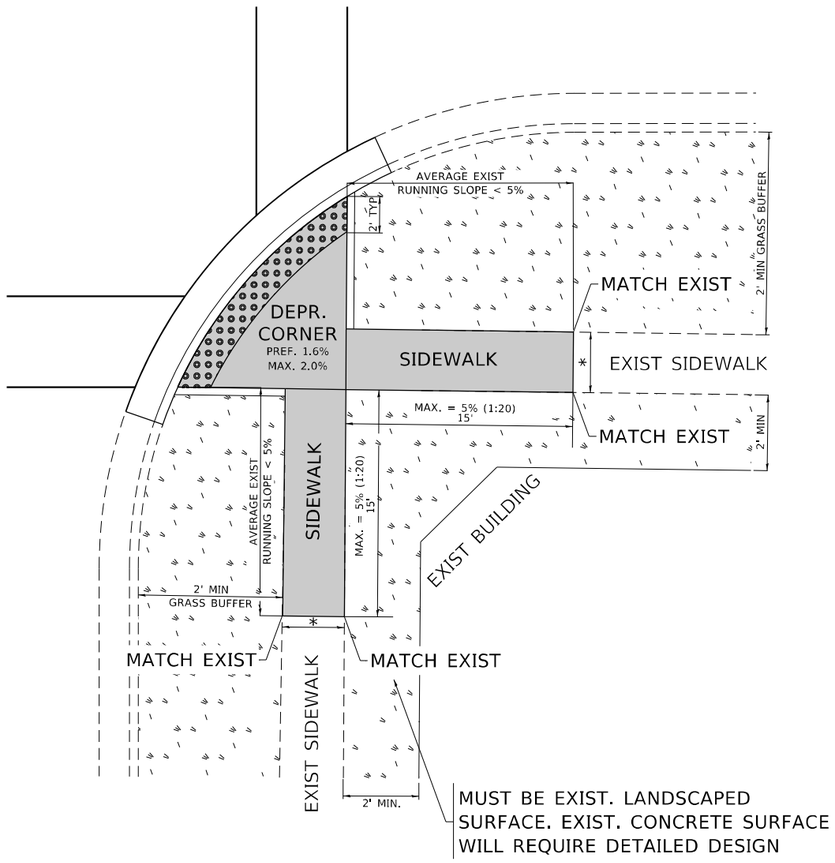
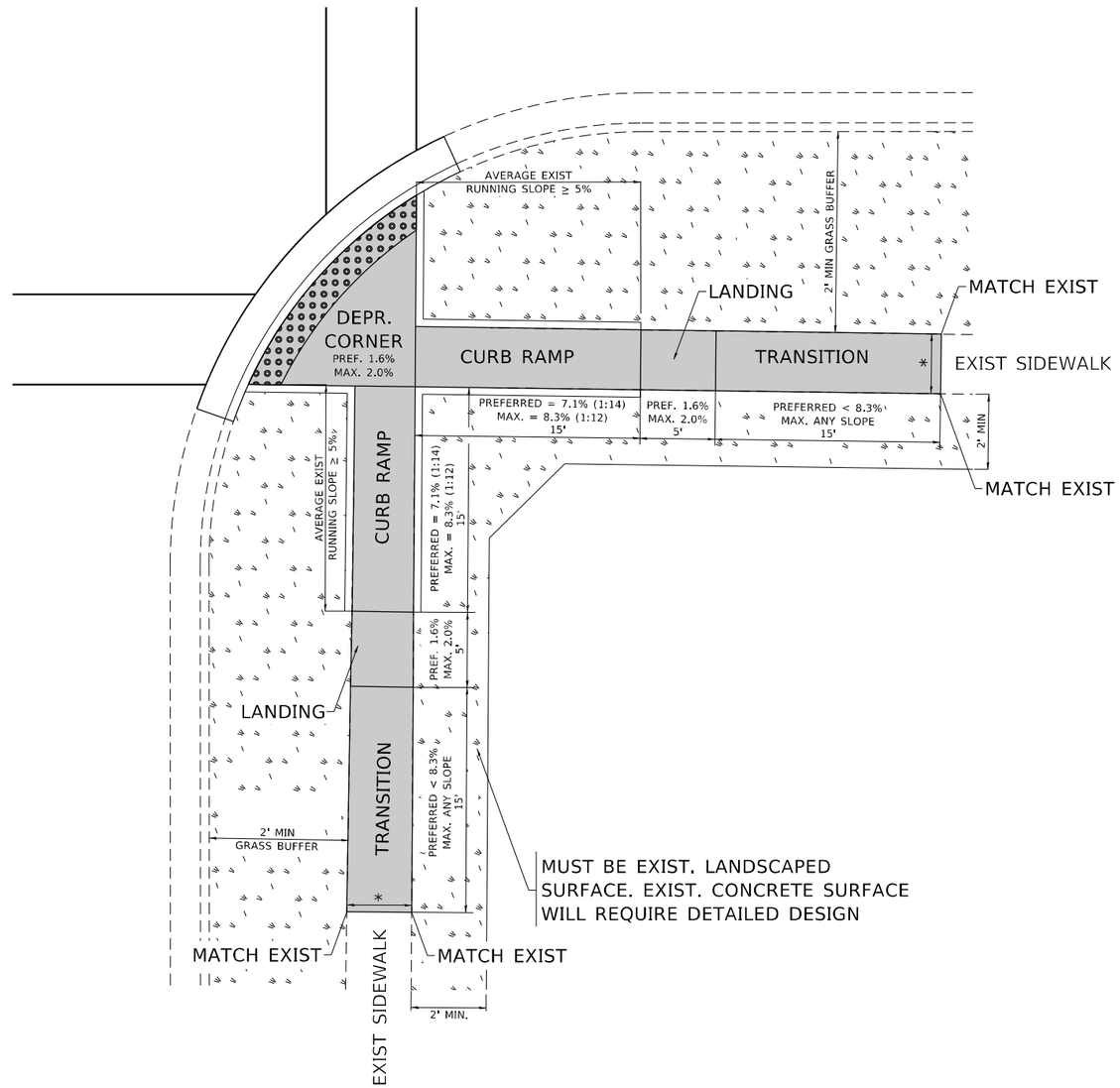
ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD–05A



PD–05B



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

USER NAME = elkhatibaj	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/20/2021	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD–05)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	2020-047-RS&SW	COOK	52	52
	PD-05	CONTRACT NO. 62L19		
	ILLINOIS	FED. AID PROJECT		

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