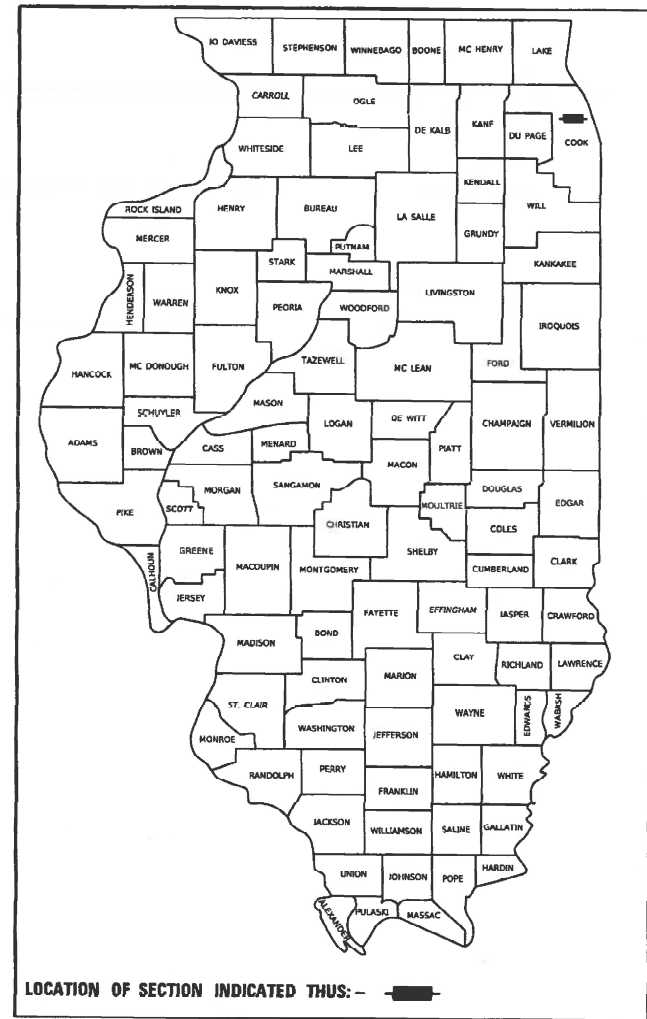


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	1
ILLINOIS		CONTRACT NO. 62N77		

D-91-127-21



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

PROPOSED HIGHWAY PLANS

FAU ROUTE 1332; OAKTON ST
IL 83 (ELMHURST RD) TO US 12/45 (LEE ST/MANNHEIM RD)
SECTION 2021-018-RS&SW
PROJECT STP-NECT(434)
SMART OVERLAY, ADA IMPROVEMENTS
COOK COUNTY

C-91-150-21

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE
CITY OF DES PLAINES

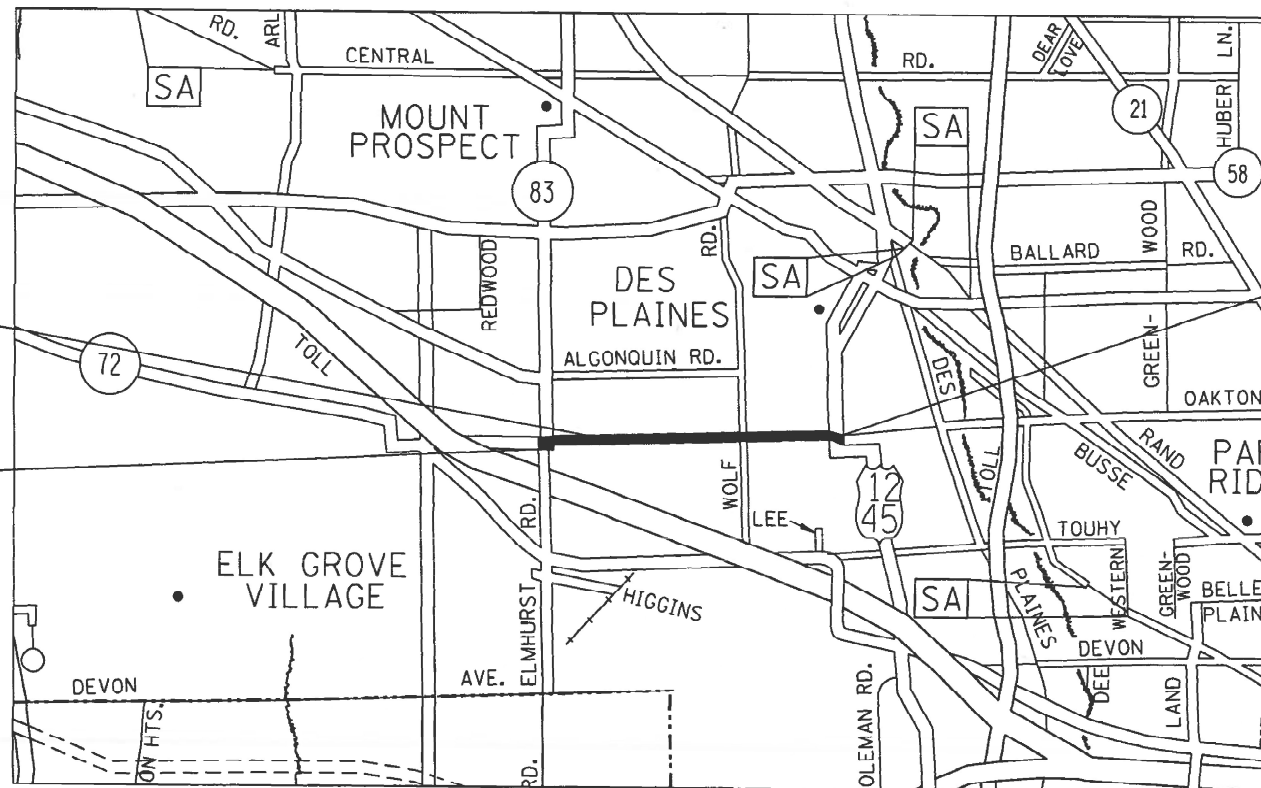
TRAFFIC DATA 2018: OAKTON ST

STA 16+06 - STA 102+00
ADT = 22000

STA 102+00 - STA 124+00
ADT = 24400

STA 124+00 - STA 143+25
ADT = 24500

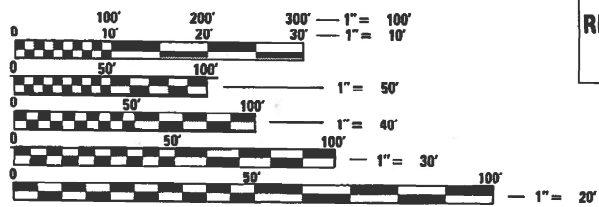
STA 16+06 - STA 143+25
POSTED SPEED LIMIT = 40 MPH



RESURFACING BEGINS
STA 27+00

PROJECT BEGINS
STA 16+06

PROJECT ENDS
STA 143+25



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: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62N77

GROSS LENGTH = 12719 FT. = 2.41 MILE
NET LENGTH = 11625 FT. = 2.20 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED JANUARY 28 20 22

Jose Rios
REGIONAL ENGINEER

March 25 20 22
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 28 22
Stephen M. Fawad
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTION
8-12	ROADWAY AND PAVEMENT MARKING PLANS
13-18	ADA RAMP DESIGNS AND STANDARD DETAILS
19	CRACK AND JOINT SEALANT DETAIL (PD-11)
20-24	DETECTOR LOOP PLANS
25	DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING (BD-08)
26	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
27	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
28	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
29	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
30	TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS (TC-11)
31	DISTRICT 1 TYPICAL PAVEMENT MARKING (TC-13)
32	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
33	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
34	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
35	DRIVEWAY ENTRANCE SIGNING (TC-26)
36	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
604056-04	FRAME AND GRATE TYPE 11
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701427-05	LANE CLOSURE, MULTIPLANE, INTERMITTENT OR MOVING OPER. FOR SPEED < OR = 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2S WITH NON TRANSVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF DES PLAINES
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KAPLANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT PATRICE.HARRIS@ILLINOIS.GOV. A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6. 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.
7. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
9. ALL FINAL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER. AREAS OF SEVERE RUTTING SHALL BE DETERMINED BY ENGINEER BEFORE MILING.
10. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
11. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
13. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
14. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
15. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
16. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
17. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
18. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
19. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
20. 10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
21. FOR ANY AND ALL COMMUNICATION WITH UNION PACIFIC RAILROAD, THE CONTRACTOR SHALL REFERENCE UP FOLDER NUMBER 0782075.
22. ALL CROSSWALK WILL BE 6' IN WIDTH AND LOCATION OF STOP BARS WILL BE MINIMUM 4' FROM THE CROSSWALK.
23. ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
24. SUBBASE GRANULAR MATERIAL, TYPE B 4" ITEM SHALL BE USED TO RESTORE AGGREGATE SECTIONS AT B.O.C.

MODEL: Default
 FILE NAME: P:\Public\zaw_bentley.com\PROJECTS\DOT Offices\District 1\Projects\112721\CAD\data\Design\112721-ent\genete.dgn

USER NAME = kh an s PLOT SCALE = 100.0000' / in. PLOT DATE = 3/5/2022	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES OAKTON ST. (IL ROUTE 83 TO US 1245)	F.A.U. RTE. 1332	SECTION 2021-018-R5&SW	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 2
				SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62N77				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
20200100	EARTH EXCAVATION	CU YD	140	140					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	2458	2458					
25200110	SODDING, SALT TOLERANT	SO YD	2458	2458					
25200200	SUPPLEMENTAL WATERING	UNIT	1	1					
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	23	23					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	111	111					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	417	417					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	35000	35000					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	53864	53864					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	116	116					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	477	477					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1271	1271					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	60	60					
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	7574	7574					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005				
42001300	PROTECTIVE COAT	SO YD	3712	3712					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	39	39					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	435	435					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4190	4190					
42400800	DETECTABLE WARNINGS	SO FT	320	320					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	1002	1002					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	77278	77278					
44000600	SIDEWALK REMOVAL	SO FT	4190	4190					
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES 2 1/2"	SO YD	9076	9076					
44003100	MEDIAN REMOVAL	SO FT	207	207					
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SO YD	9	9					
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	2586	2586					
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	1559	1559					
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	4922	4922					

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = khans	DESIGNED -	REVISED -
pw\N\dot-pw\benley.com\PI\DOT\Documents\DOT_Offices\Dist\1\Projects\DI1272\CA\DOT\Design\DI1272-st-500.dwg		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N77	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	7000	7000				*
45200300	JOINT OR CRACK FILLING	POUND	1745	1745				*
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	14	14				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	10	10				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	90	90				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	31	31				
60404800	FRAMES AND GRATES, TYPE 11	EACH	31	31				
60404950	FRAMES AND GRATES, TYPE 24	EACH	20	20				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	9	9				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	125	125				
60619200	CONCRETE MEDIAN TYPE SB-6.06	SO FT	207	207				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	140	140				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	12	12				
67100100	MOBILIZATION	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	33849	33849				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	11283	11283				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	1683	1683				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	37312	37312				

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = khans	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\dot-pw\benley.com\PIW\DOT\Documents\DOT - Office\Dist\1\Projects\DI1272\CAAD\0\Design\DI12721-st-500.dwg	DRAWN -	REVISED -	1332			2021-018-RS&SW	COOK	36	4	
PLOT SCALE = 100.0000' / 1in	CHECKED -	REVISED -	CONTRACT NO. 62N77							
PLOT DATE = 2/5/2022	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005					CODE NO	ITEM		UNIT	80% FED 20% STATE 0005	100% STATE 0005		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	5823	5823					* 78009008	MODIFIED URETHANE PAVEMENT MARKINGS - LINE 8"	FOOT	158	158				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	2656	2656					* 78009012	MODIFIED URETHANE PAVEMENT MARKINGS - LINE 12"	FOOT	1863	1863				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	898	898					* 78009024	MODIFIED URETHANE PAVEMENT MARKINGS - LINE 24"	FOOT	235	235				
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYE III TAPE	FOOT	11044	11044					* 78011040	GROOVING FOR RECESSED PAVEMENT MARKINGS 8"	FOOT	600	600				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1683	1683					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1160	1160				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	37312	37312					78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	580	580				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5823	5823					78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	10188	10188				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2656	2656					* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	898	898					* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2299	2299				
78003137	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	600	600					* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	12	12				
* 78009000	MODIFIED URETHANE PAVEMENT MARKINGS - LETTERS AND SYMBOLS	SO FT	156	156					* 89502376	REBUILD EXISTING HANDHOLE	EACH	4	4				
* 78009004	MODIFIED URETHANE PAVEMENT MARKINGS - LINE 4"	FOOT	18,645	18,645					* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	4	4				
* 78009006	MODIFIED URETHANE PAVEMENT MARKINGS - LINE 6"	FOOT	2,757	2,757					X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL 10 FEET	FOOT	836	836						
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	3456	3456						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	70	70						
X6700407	ENGINEER'S FIELD OFFICE TYPE A (D1)	CAL MO	12	12						
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	13772	13772						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	144	144						
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103						
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		80% FED 20% STATE 0005	100% STATE 0005					

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = khans	DESIGNED -	REVISED -
pw\N\dot-pw\benfrey.com\PW\DOT\Documents\DOT - Office\Dist\1\1\Projects\DI1272\CADD\dot\Design\DI12721-st-5000\	DRAWN -	CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / 1" =	DATE -	REVISED -
	PLOT DATE = 2/5/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	6
CONTRACT NO. 62N77				

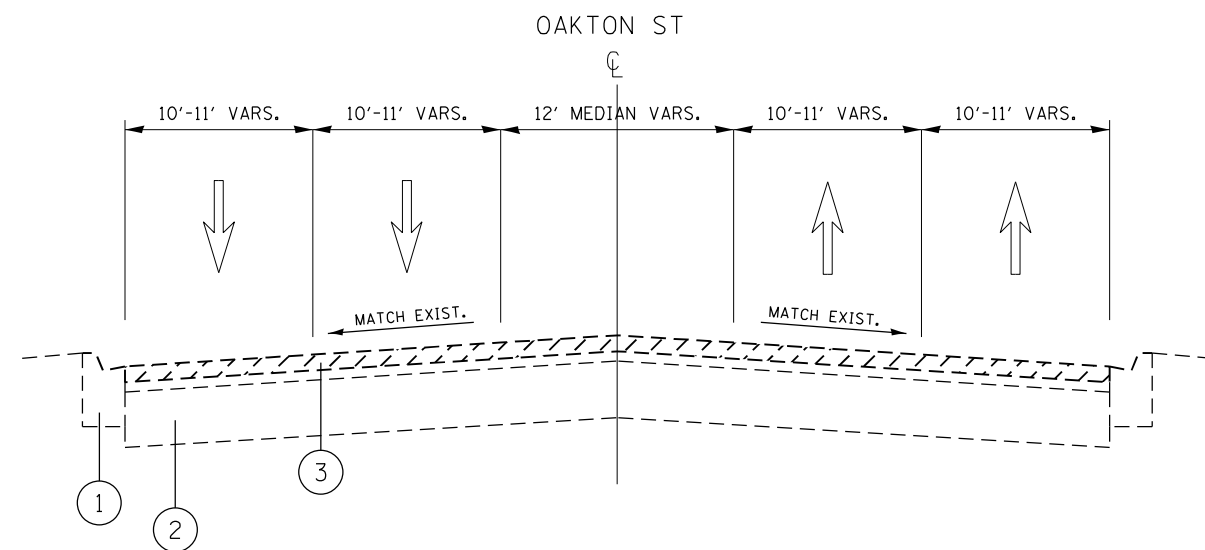
REV-SEP

Ø 0042

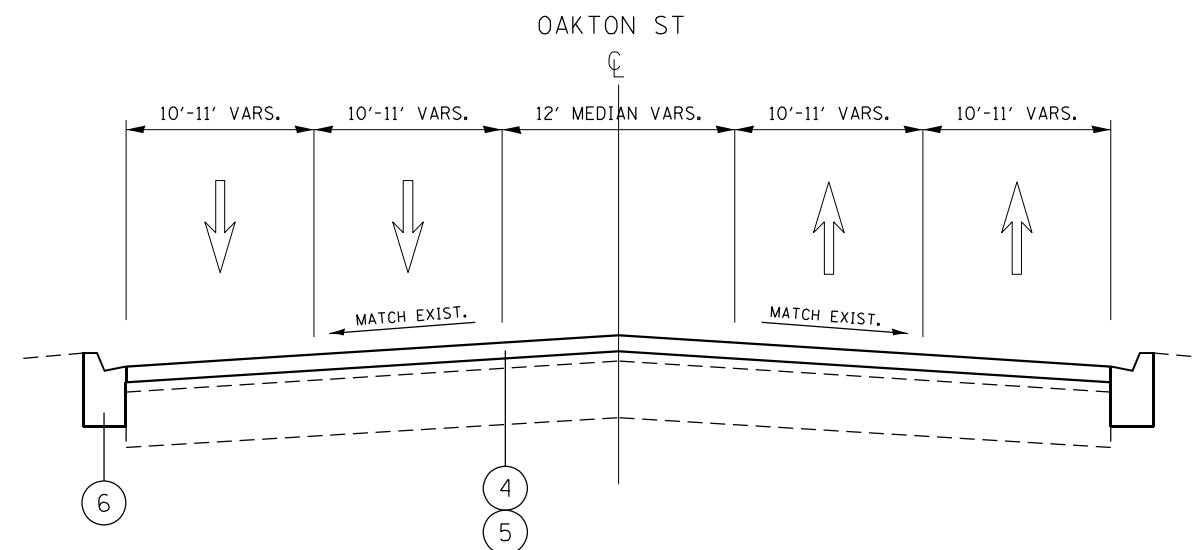
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING PCC BASE COURSE (VARS. BETWEEN 9.75" - 11.25")
3. EXISTING HOT-MIXED ASPHALT PAVEMENT (VARS. BETWEEN 1.75" - 2.50")
4. PROPOSED HMA SURFACE REMOVAL, 1 3/4"
5. PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX E, N70; 1 3/4"
6. PROPOSED COMBINATION CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)



EXISTING TYPICAL SECTION
STA 27+00 - STA 143+25



PROPOSED TYPICAL SECTION
STA 27+00 - STA 143+25

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
HMA PAVEMENT		
POLY HMA SURFACE COURSE, IL-9.5, MIX E, N70; 1 3/4"	4.0% @ 70 GYR.	OCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	OC/OA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	OC/OA
COMMERCIAL DRIVEWAYS		
HMA SURFACE COURSE, MIX D, IL-9.5, N50; 2"	4% @ 50 GYR.	OC/OA
HMA ASPHALT BASE COURSE, 8" (HMA BINDER - IL-19.0)	4% @ 50 GYR.	OC/OA
RESIDENTIAL DRIVEWAYS		
HMA SURFACE COURSE, MIX D, IL-9.5, N50; 2"	4% @ 50 GYR.	OC/OA
HMA ASPHALT BASE COURSE, 6" (HMA BINDER - IL-19.0)	4% @ 50 GYR.	OC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

NOTE

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONIS.
- NOTE 4: THE CONTRACTOR SHALL PATCH BEFORE MILLING.
- NOTE 5: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE

MODEL: Default
 FILE: Mainfile.pxl
 SUBJECT: new_benchmark.com/PLM/IDOT/Documents/IDOT_Offices/District_1/Projects/ID11272/ICAD/Drawings/Design/ID11272-Sub-2/typical.dgn

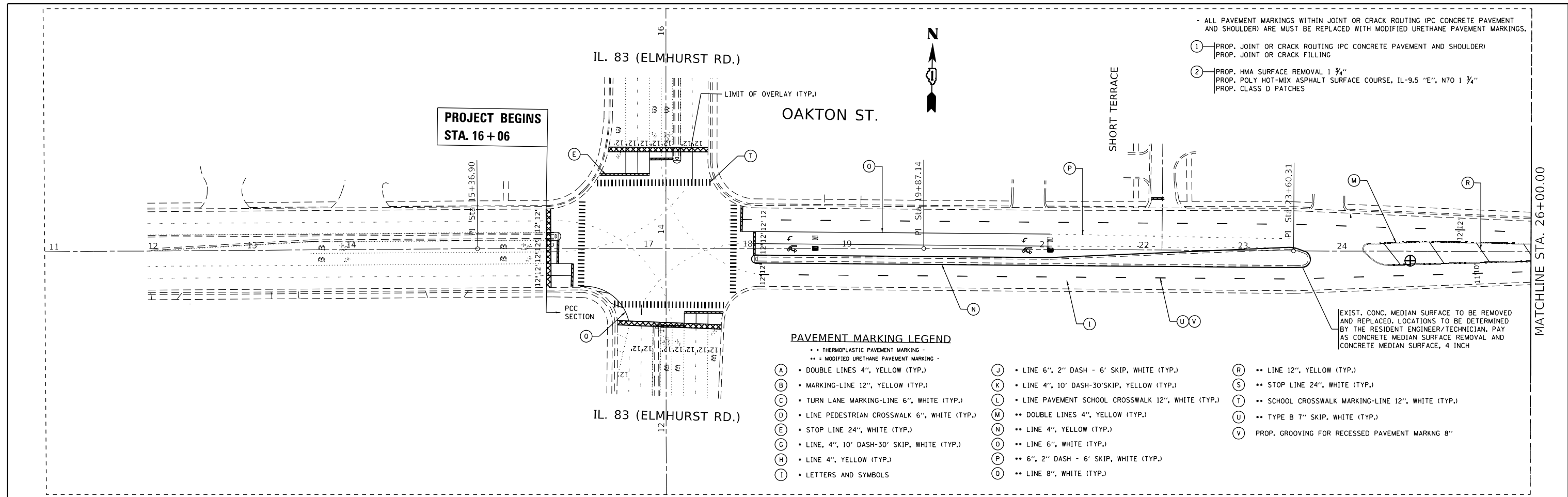
USER NAME = khans	DESIGNED -	REVISED -
PLOT SCALE = 100,0002 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
GROSS POINT RD. (NO OKATON ST. - HOWARD ST.)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-135-R5&SW	COOK	36	7
CONTRACT NO. 62M13				
ILLINOIS FED. AID PROJECT				

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4" PROP. CLASS D PATCHES

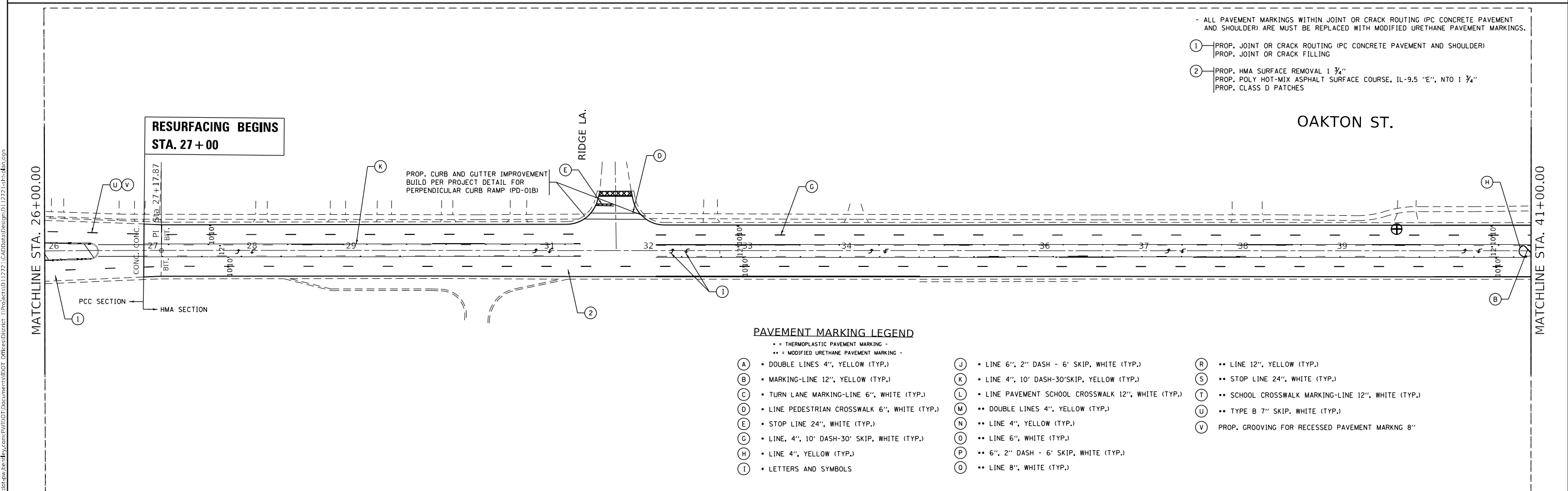


PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING -
- MODIFIED URETHANE PAVEMENT MARKING -
- (A) DOUBLE LINES 4", YELLOW (TYP.)
- (B) MARKING-LINE 12", YELLOW (TYP.)
- (C) TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) STOP LINE 24", WHITE (TYP.)
- (G) LINE, 4", 10' DASH-30" SKIP, WHITE (TYP.)
- (H) LINE 4", YELLOW (TYP.)
- (I) LETTERS AND SYMBOLS
- (J) LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) LINE 4", 10' DASH-30"SKIP, YELLOW (TYP.)
- (L) LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) DOUBLE LINES 4", YELLOW (TYP.)
- (N) LINE 4", YELLOW (TYP.)
- (O) LINE 6", WHITE (TYP.)
- (P) 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) LINE 8", WHITE (TYP.)
- (R) LINE 12", YELLOW (TYP.)
- (S) STOP LINE 24", WHITE (TYP.)
- (T) SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

EXIST. CONC. MEDIAN SURFACE TO BE REMOVED AND REPLACED. LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN. PAY AS CONCRETE MEDIAN SURFACE REMOVAL AND CONCRETE MEDIAN SURFACE, 4 INCH

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4" PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4" PROP. CLASS D PATCHES



PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING -
- MODIFIED URETHANE PAVEMENT MARKING -
- (A) DOUBLE LINES 4", YELLOW (TYP.)
- (B) MARKING-LINE 12", YELLOW (TYP.)
- (C) TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) STOP LINE 24", WHITE (TYP.)
- (G) LINE, 4", 10' DASH-30" SKIP, WHITE (TYP.)
- (H) LINE 4", YELLOW (TYP.)
- (I) LETTERS AND SYMBOLS
- (J) LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) LINE 4", 10' DASH-30"SKIP, YELLOW (TYP.)
- (L) LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) DOUBLE LINES 4", YELLOW (TYP.)
- (N) LINE 4", YELLOW (TYP.)
- (O) LINE 6", WHITE (TYP.)
- (P) 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) LINE 8", WHITE (TYP.)
- (R) LINE 12", YELLOW (TYP.)
- (S) STOP LINE 24", WHITE (TYP.)
- (T) SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

MODEL: Default
FILE: Mainfile
PROJECT: 2021-018-R5&SW
DRAWN: kshans
CHECKED: [blank]
DATE: 3/5/2022

USER NAME = kshans	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/5/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

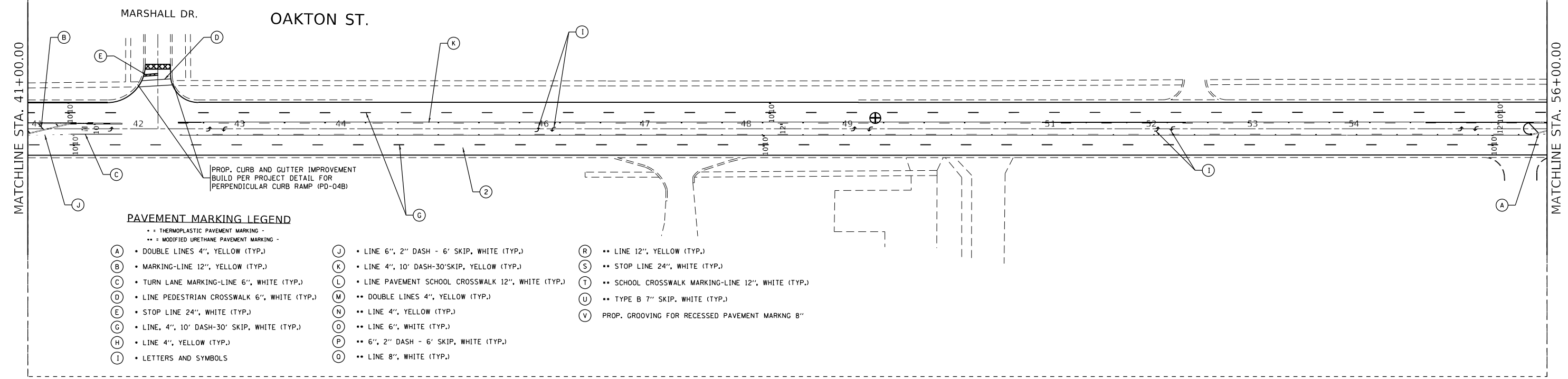
**ROADWAY PLAN
OAKTON ST. (IL. ROUTE 83 TO US 12/45)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	8
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				



- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES



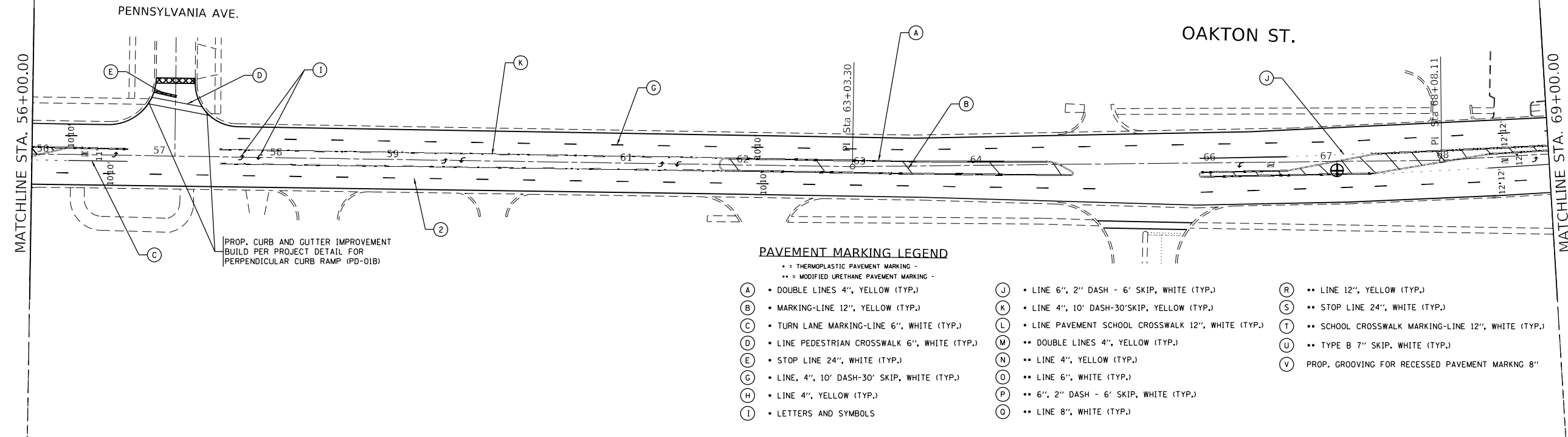
PAVEMENT MARKING LEGEND

- = THERMOPLASTIC PAVEMENT MARKING
- = MODIFIED URETHANE PAVEMENT MARKING
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) •• DOUBLE LINES 4", YELLOW (TYP.)
- (N) •• LINE 4", YELLOW (TYP.)
- (O) •• LINE 6", WHITE (TYP.)
- (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) •• LINE 8", WHITE (TYP.)
- (R) •• LINE 12", YELLOW (TYP.)
- (S) •• STOP LINE 24", WHITE (TYP.)
- (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) •• TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

PROP. CURB AND GUTTER IMPROVEMENT
BUILD PER PROJECT DETAIL FOR
PERPENDICULAR CURB RAMP (PD-04B)

MATCHLINE STA. 41+00.00

MATCHLINE STA. 56+00.00



- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES

PAVEMENT MARKING LEGEND

- = THERMOPLASTIC PAVEMENT MARKING
- = MODIFIED URETHANE PAVEMENT MARKING
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) •• DOUBLE LINES 4", YELLOW (TYP.)
- (N) •• LINE 4", YELLOW (TYP.)
- (O) •• LINE 6", WHITE (TYP.)
- (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) •• LINE 8", WHITE (TYP.)
- (R) •• LINE 12", YELLOW (TYP.)
- (S) •• STOP LINE 24", WHITE (TYP.)
- (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) •• TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

PROP. CURB AND GUTTER IMPROVEMENT
BUILD PER PROJECT DETAIL FOR
PERPENDICULAR CURB RAMP (PD-01B)

MATCHLINE STA. 56+00.00

MATCHLINE STA. 69+00.00

MODEL: Default
FILE: Mainfile.psd
PROJECT: I:\Projects\11272\11272-Sub-A-Bas.com
PROJECT: I:\Projects\11272\11272-Sub-A-Bas.com

USER NAME = khans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

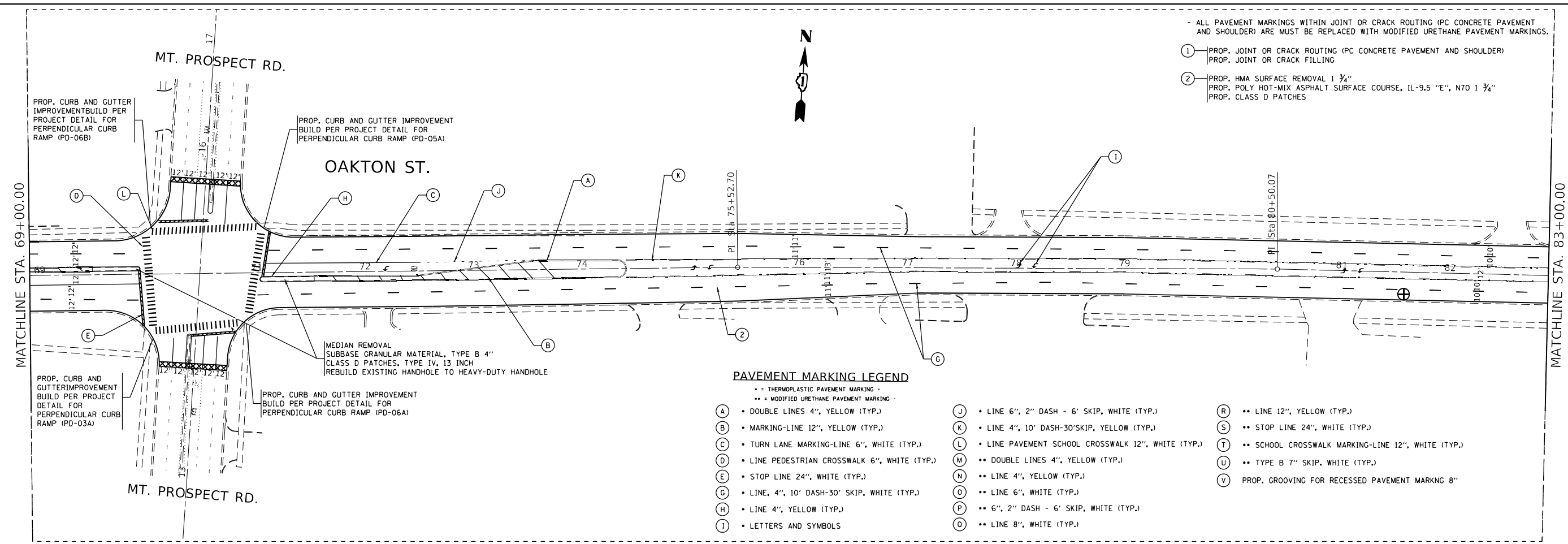
**ROADWAY PLAN
OAKTON ST. (IL. ROUTE 83 TO US 12/45)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	9
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				



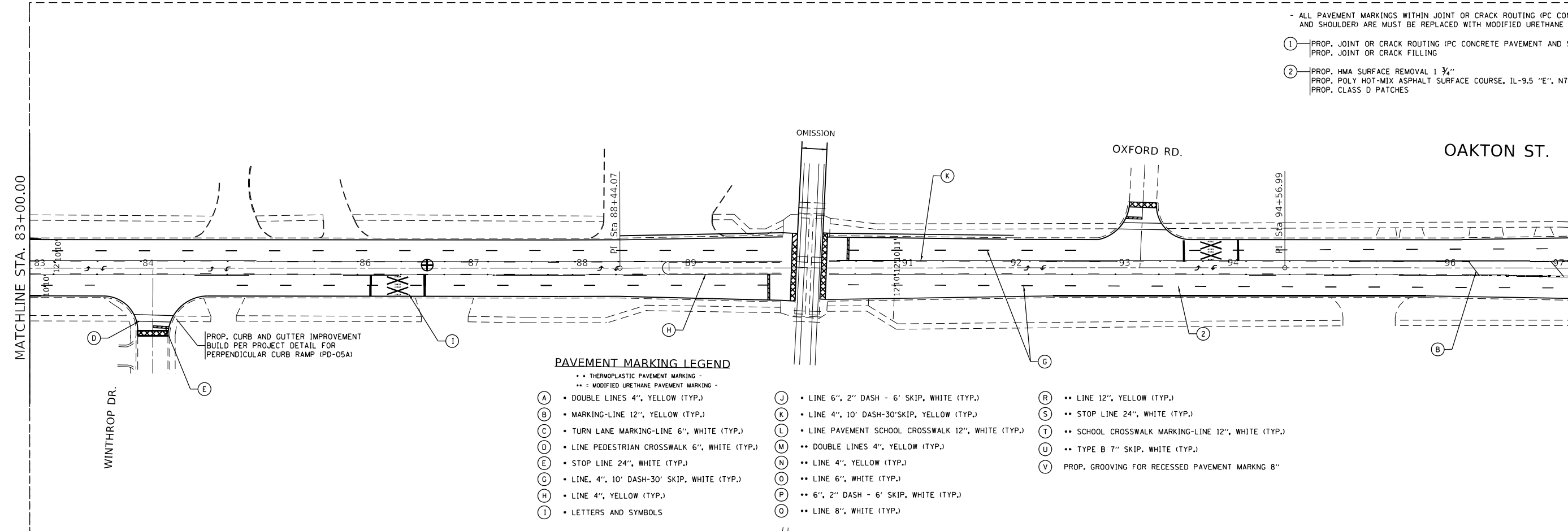
- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES



PAVEMENT MARKING LEGEND

- = THERMOPLASTIC PAVEMENT MARKING -
- = MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) •• DOUBLE LINES 4", YELLOW (TYP.)
- (N) •• LINE 4", YELLOW (TYP.)
- (O) •• LINE 6", WHITE (TYP.)
- (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) •• LINE 8", WHITE (TYP.)
- (R) •• LINE 12", YELLOW (TYP.)
- (S) •• STOP LINE 24", WHITE (TYP.)
- (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) •• TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES



PAVEMENT MARKING LEGEND

- = THERMOPLASTIC PAVEMENT MARKING -
- = MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) •• DOUBLE LINES 4", YELLOW (TYP.)
- (N) •• LINE 4", YELLOW (TYP.)
- (O) •• LINE 6", WHITE (TYP.)
- (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) •• LINE 8", WHITE (TYP.)
- (R) •• LINE 12", YELLOW (TYP.)
- (S) •• STOP LINE 24", WHITE (TYP.)
- (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) •• TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKNG 8"

MODEL: Default
 FILE: Mainfile.pwd
 PROJECT: C:\Users\khan\Documents\DOT Office\Drawings\112721\112721-Sub-A-Bas.com

USER NAME = khans	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/5/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
OAKTON ST. (IL. ROUTE 83 TO US 12/45)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	10
CONTRACT NO. 62N77			ILLINOIS FED. AID PROJECT	

*NOTE: LOCATIONS OF "RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON":
AT WOLF RD AND OAKTON ST (NW CORNER = 1, NE CORNER = 2, SE CORNER = 1)

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES

MATCHLINE STA. 98+00.00

MATCHLINE STA. 113+00.00

OAKTON ST.

WOLF RD.

5th AVE.



PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING -
- MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) • DOUBLE LINES 4", YELLOW (TYP.)
- (N) • LINE 4", YELLOW (TYP.)
- (O) • LINE 6", WHITE (TYP.)
- (P) • 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) • LINE 8", WHITE (TYP.)
- (R) • LINE 12", YELLOW (TYP.)
- (S) • STOP LINE 24", WHITE (TYP.)
- (T) • SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) • TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKING 8"

MATCHLINE STA. 113+00.00

MATCHLINE STA. 128+00.00

OAKTON ST.

WEBSTER LN.

*NOTE: LOCATIONS OF "RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON":
AT WEBSTER LN AND OAKTON ST (NW CORNER = 2, NE CORNER = 2, SW CORNER = 2)

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.
- ① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING
- ② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES

PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING -
- MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.)
- (E) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LETTERS AND SYMBOLS
- (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.)
- (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.)
- (M) • DOUBLE LINES 4", YELLOW (TYP.)
- (N) • LINE 4", YELLOW (TYP.)
- (O) • LINE 6", WHITE (TYP.)
- (P) • 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (Q) • LINE 8", WHITE (TYP.)
- (R) • LINE 12", YELLOW (TYP.)
- (S) • STOP LINE 24", WHITE (TYP.)
- (T) • SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- (U) • TYPE B 7" SKIP, WHITE (TYP.)
- (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKING 8"

MODEL: Default
FILE: h:\mfc_p\subsect-pw-bentley.com\p\w\DOT\Documents\DOT Office\Drawings\11272\11272-1-sub-113.dgn

USER NAME = khans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
OAKTON ST. (IL. ROUTE 83 TO US 12/45)**

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

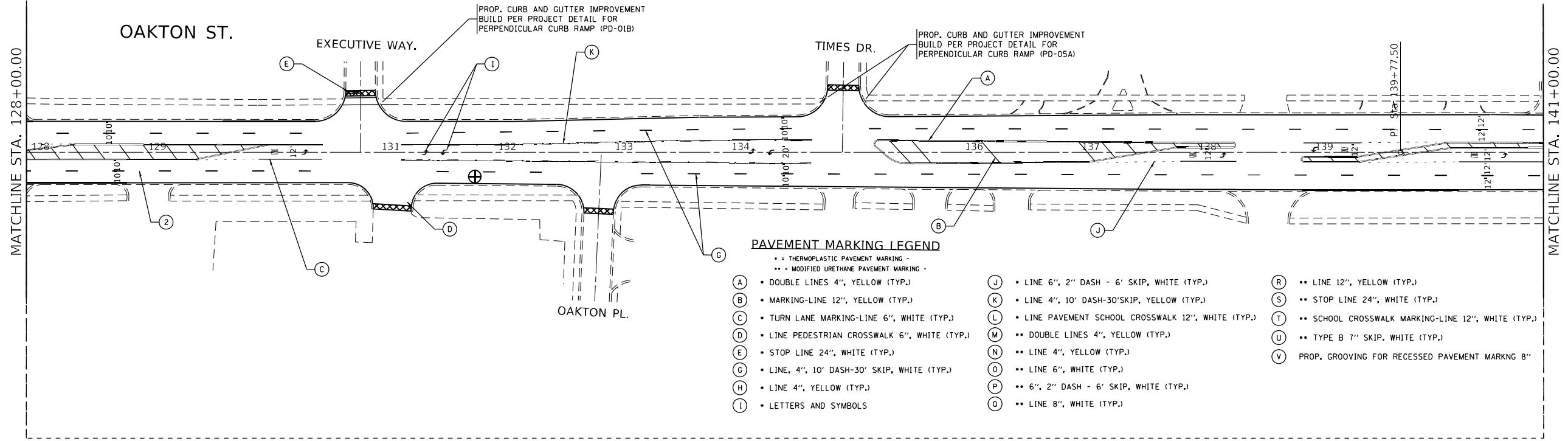
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	11
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				



- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING

② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES



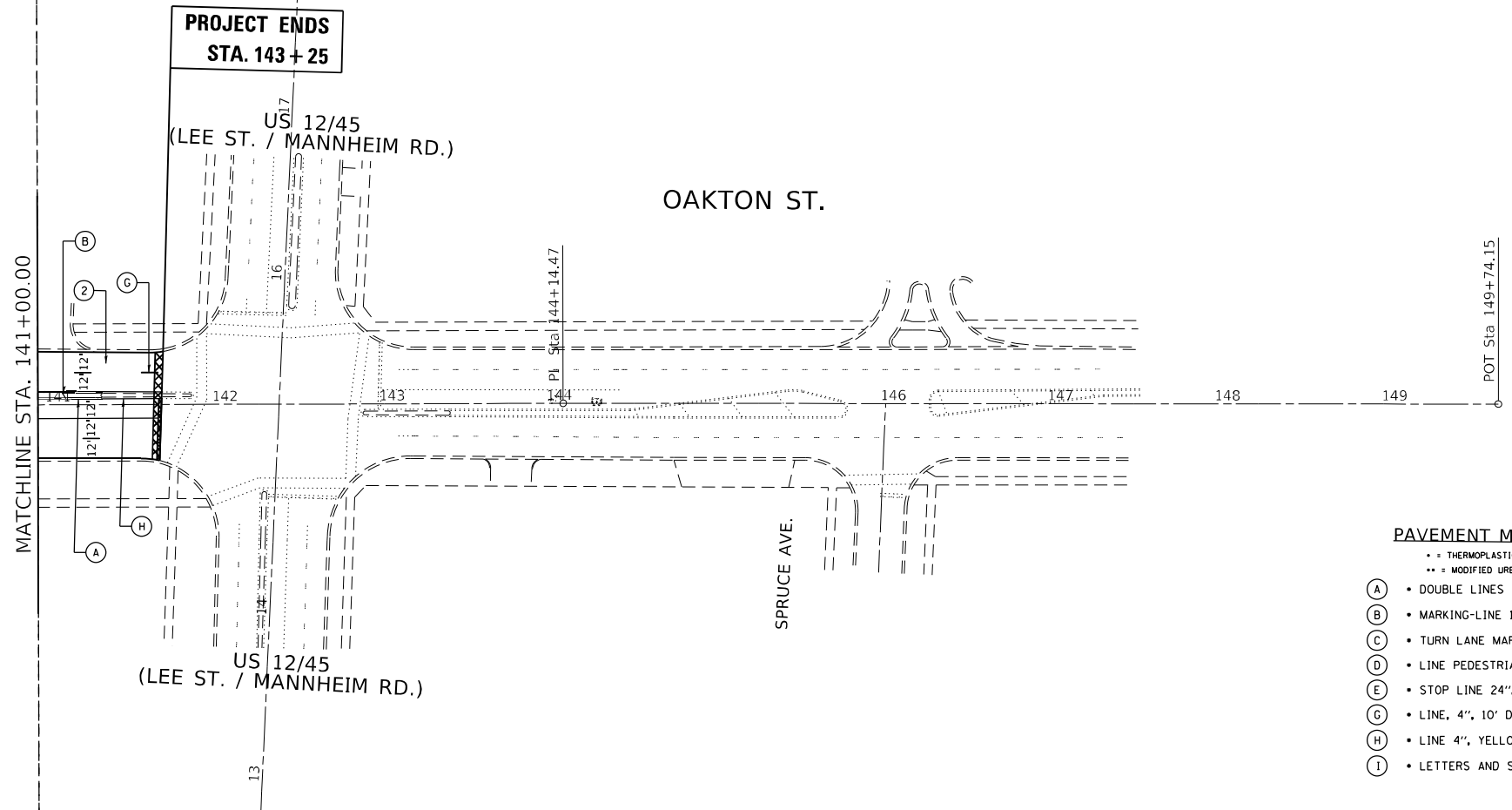
PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING
 - MODIFIED URETHANE PAVEMENT MARKING
- | | | |
|--|--|--|
| (A) • DOUBLE LINES 4", YELLOW (TYP.) | (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.) | (R) •• LINE 12", YELLOW (TYP.) |
| (B) • MARKING-LINE 12", YELLOW (TYP.) | (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.) | (S) •• STOP LINE 24", WHITE (TYP.) |
| (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.) | (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.) | (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.) |
| (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.) | (M) •• DOUBLE LINES 4", YELLOW (TYP.) | (U) •• TYPE B 7" SKIP, WHITE (TYP.) |
| (E) • STOP LINE 24", WHITE (TYP.) | (N) •• LINE 4", YELLOW (TYP.) | (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKING 8" |
| (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.) | (O) •• LINE 6", WHITE (TYP.) | |
| (H) • LINE 4", YELLOW (TYP.) | (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.) | |
| (I) • LETTERS AND SYMBOLS | (Q) •• LINE 8", WHITE (TYP.) | |

- ALL PAVEMENT MARKINGS WITHIN JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER) ARE MUST BE REPLACED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

① PROP. JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)
PROP. JOINT OR CRACK FILLING

② PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 "E", N70 1 3/4"
PROP. CLASS D PATCHES



PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING
 - MODIFIED URETHANE PAVEMENT MARKING
- | | | |
|--|--|--|
| (A) • DOUBLE LINES 4", YELLOW (TYP.) | (J) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.) | (R) •• LINE 12", YELLOW (TYP.) |
| (B) • MARKING-LINE 12", YELLOW (TYP.) | (K) • LINE 4", 10' DASH-30'SKIP, YELLOW (TYP.) | (S) •• STOP LINE 24", WHITE (TYP.) |
| (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.) | (L) • LINE PAVEMENT SCHOOL CROSSWALK 12", WHITE (TYP.) | (T) •• SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.) |
| (D) • LINE PEDESTRIAN CROSSWALK 6", WHITE (TYP.) | (M) •• DOUBLE LINES 4", YELLOW (TYP.) | (U) •• TYPE B 7" SKIP, WHITE (TYP.) |
| (E) • STOP LINE 24", WHITE (TYP.) | (N) •• LINE 4", YELLOW (TYP.) | (V) PROP. GROOVING FOR RECESSED PAVEMENT MARKING 8" |
| (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.) | (O) •• LINE 6", WHITE (TYP.) | |
| (H) • LINE 4", YELLOW (TYP.) | (P) •• 6", 2" DASH - 6' SKIP, WHITE (TYP.) | |
| (I) • LETTERS AND SYMBOLS | (Q) •• LINE 8", WHITE (TYP.) | |

MODEL: Default
 FILE: h:\mfc_pav\hust-pav-beadefy.com\PIV\DOT\Documents\DOT Office\Drawings\1\Project\11272\ICADD\data\Design\112721-spruce-ave.dgn

USER NAME = khans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

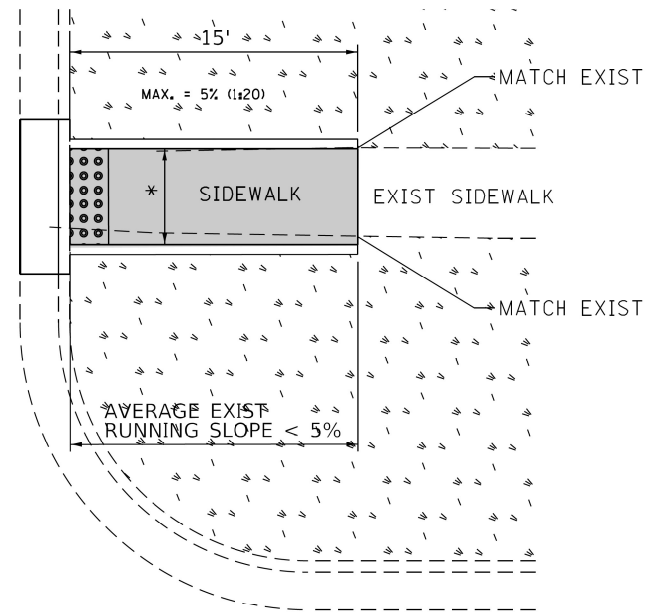
**ROADWAY PLAN
OAKTON ST. (IL. ROUTE 83 TO US. 12/45)**

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

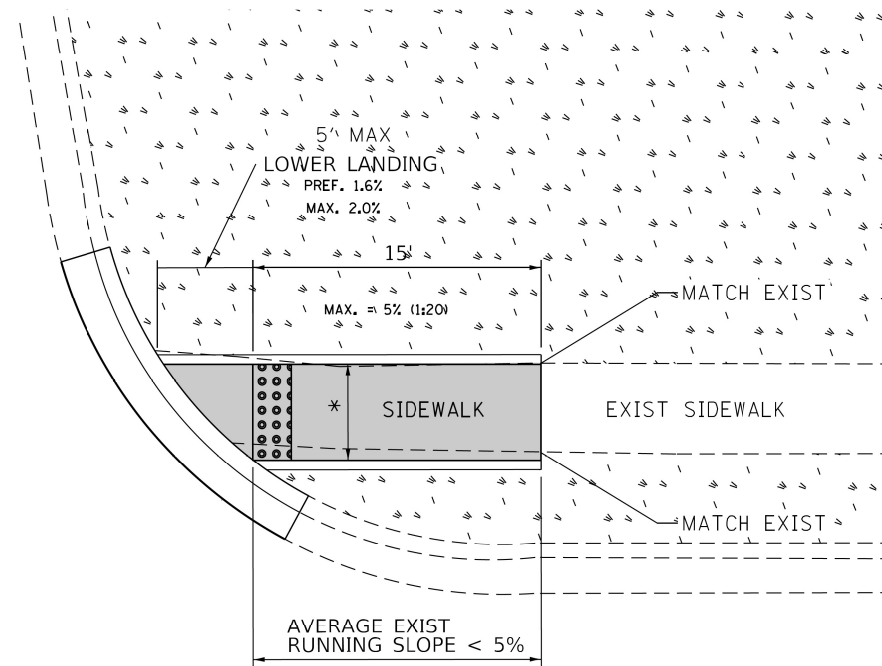
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	12
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				

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

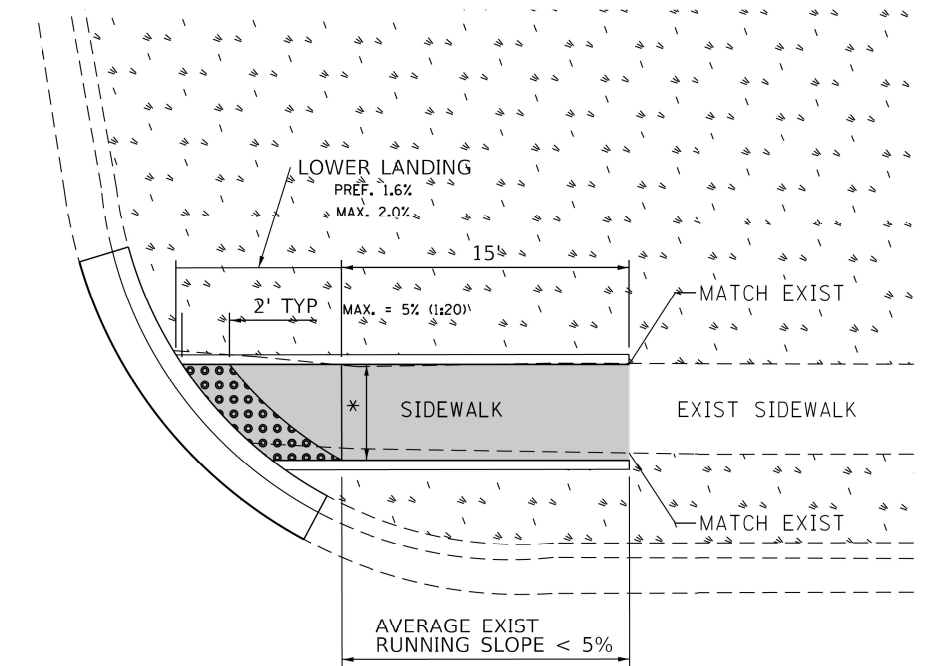
PD-01A



PD-01B







PD-01C



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

LEGEND

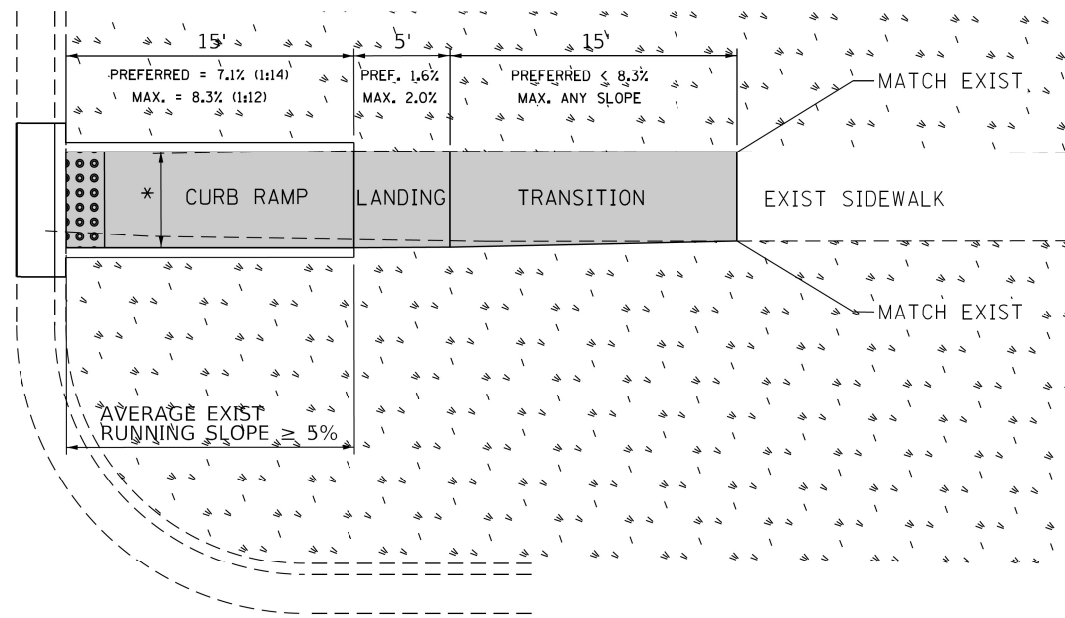
	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

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

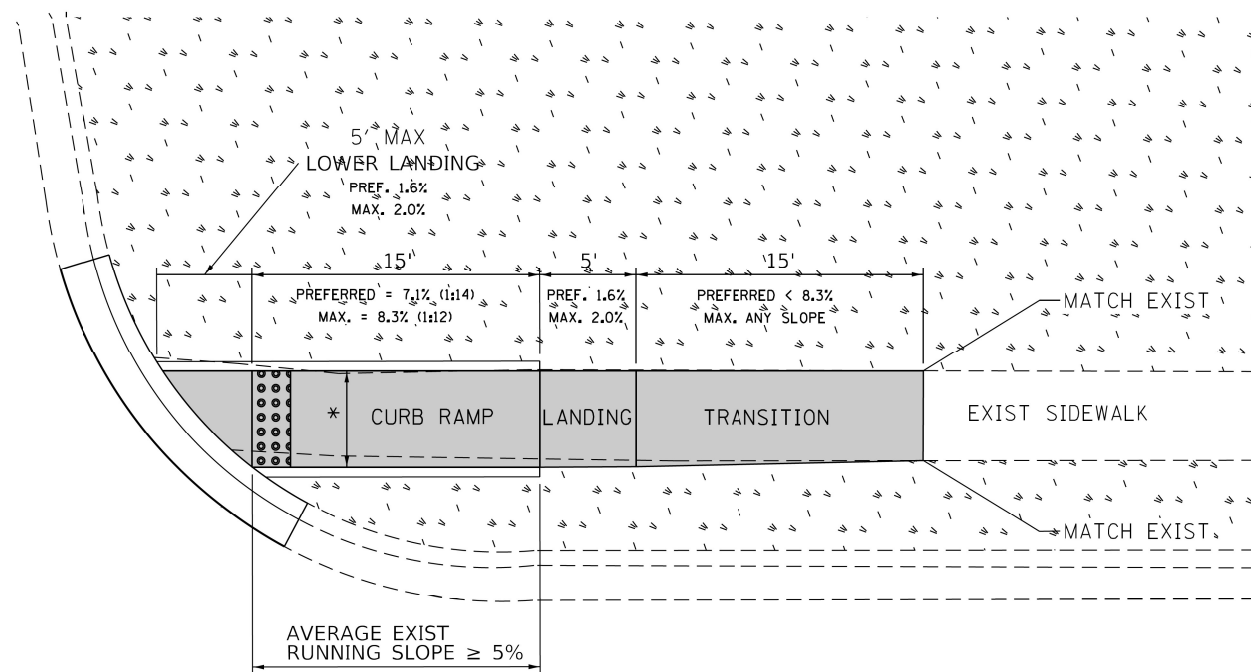
FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)	F.A.U. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
Default	S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-shr-plan.dgn	DRAWN - RL	REVISED -			1332	2021-01B-R565W	COOK	36	13	
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			PD-01		CONTRACT NO. 62N77			
	PLOT DATE = 11/12/2019	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

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

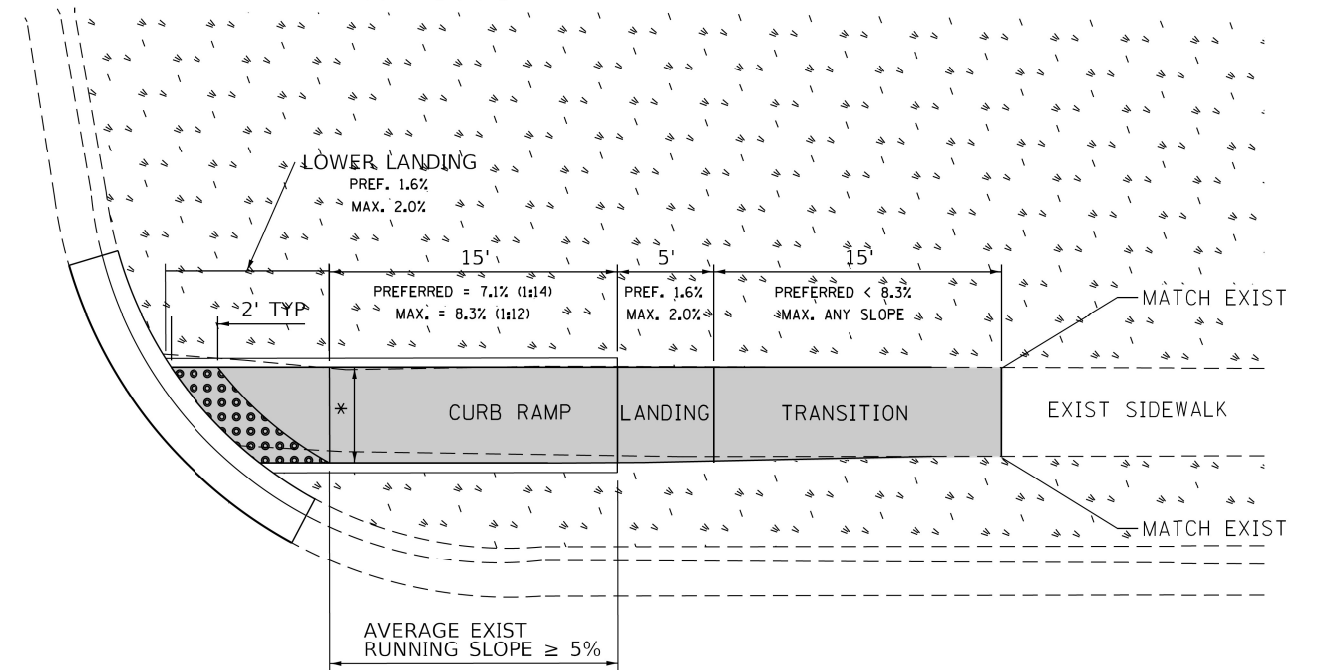
PD-02A



PD-02B



PD-02C



DESIGNER NOTES:

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

LEGEND

PROPOSED SIDE CURB	EXIST. GRASS
PROPOSED SIDEWALK	DETECTABLE WARNINGS

CONSTRUCTION NOTES:

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

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-shr-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/12/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

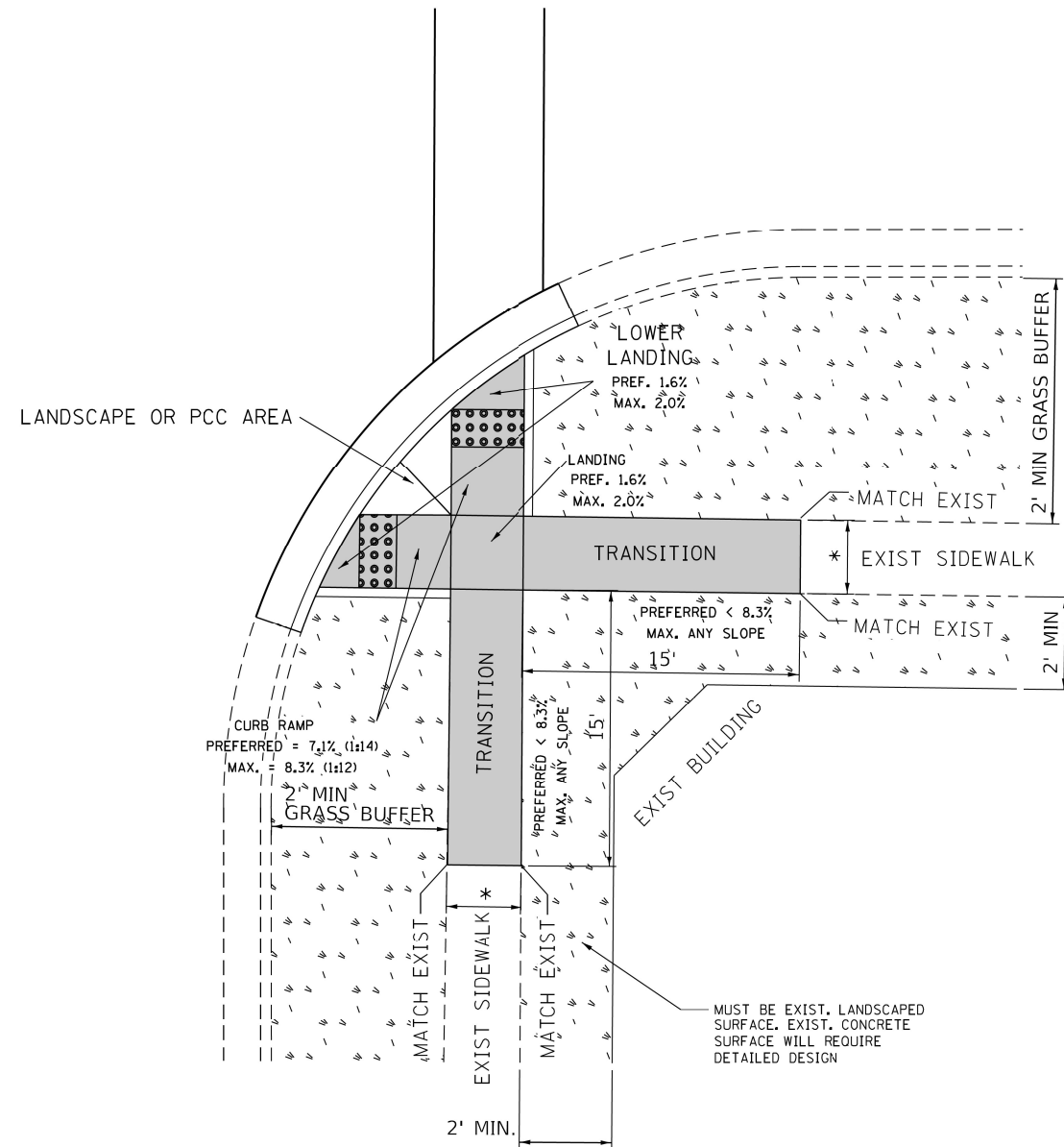
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)**

SCALE: SHEET OF SHEETS STA. TO STA.

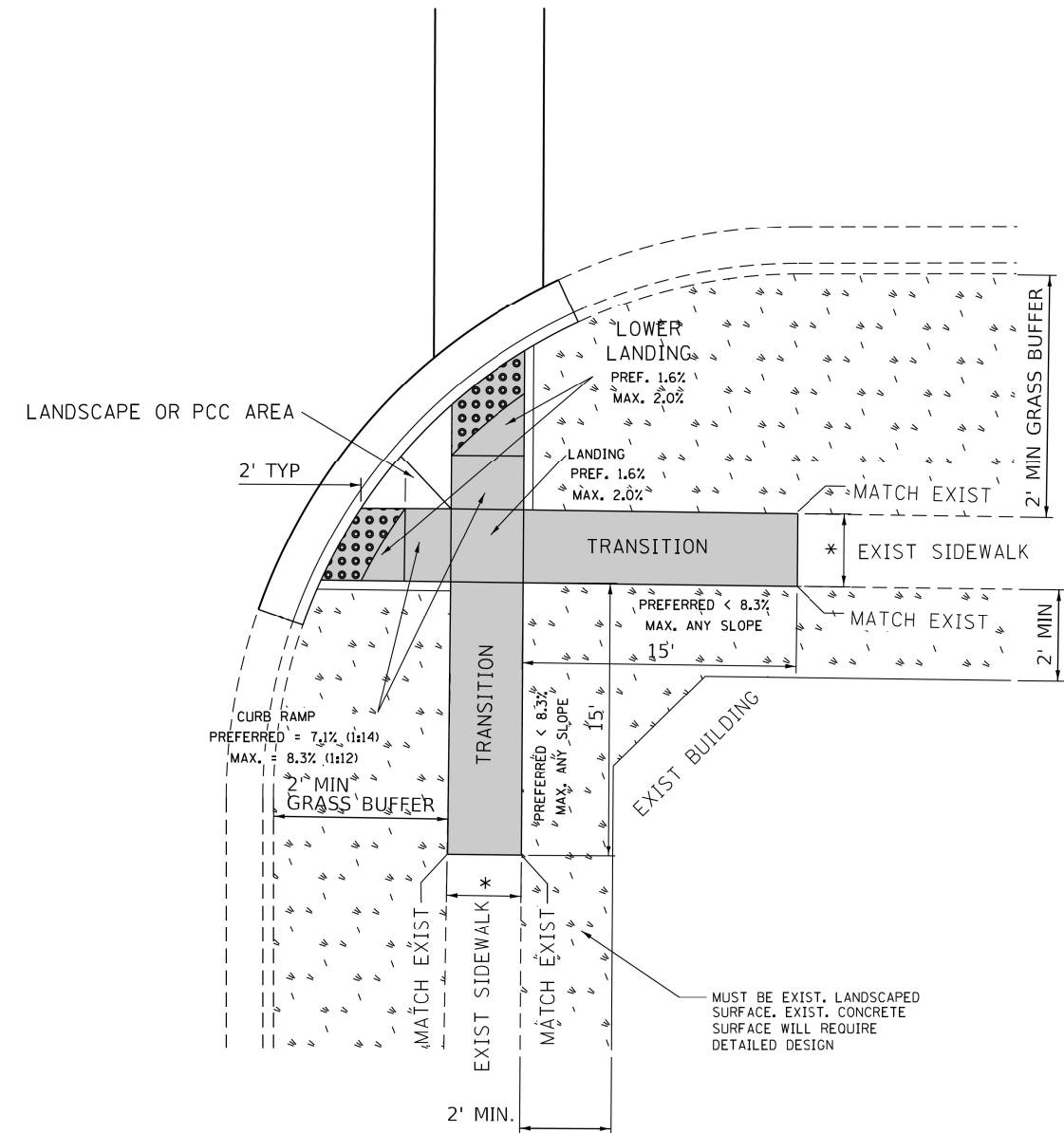
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-01B-R5&5W	COOK	36	14
PD-02		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



DESIGNER NOTES:

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

LEGEND

	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

CONSTRUCTION NOTES:

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

FILE NAME =	USER NAME = ldezma@m	DESIGNED - --- /--- /----	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 11/12/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

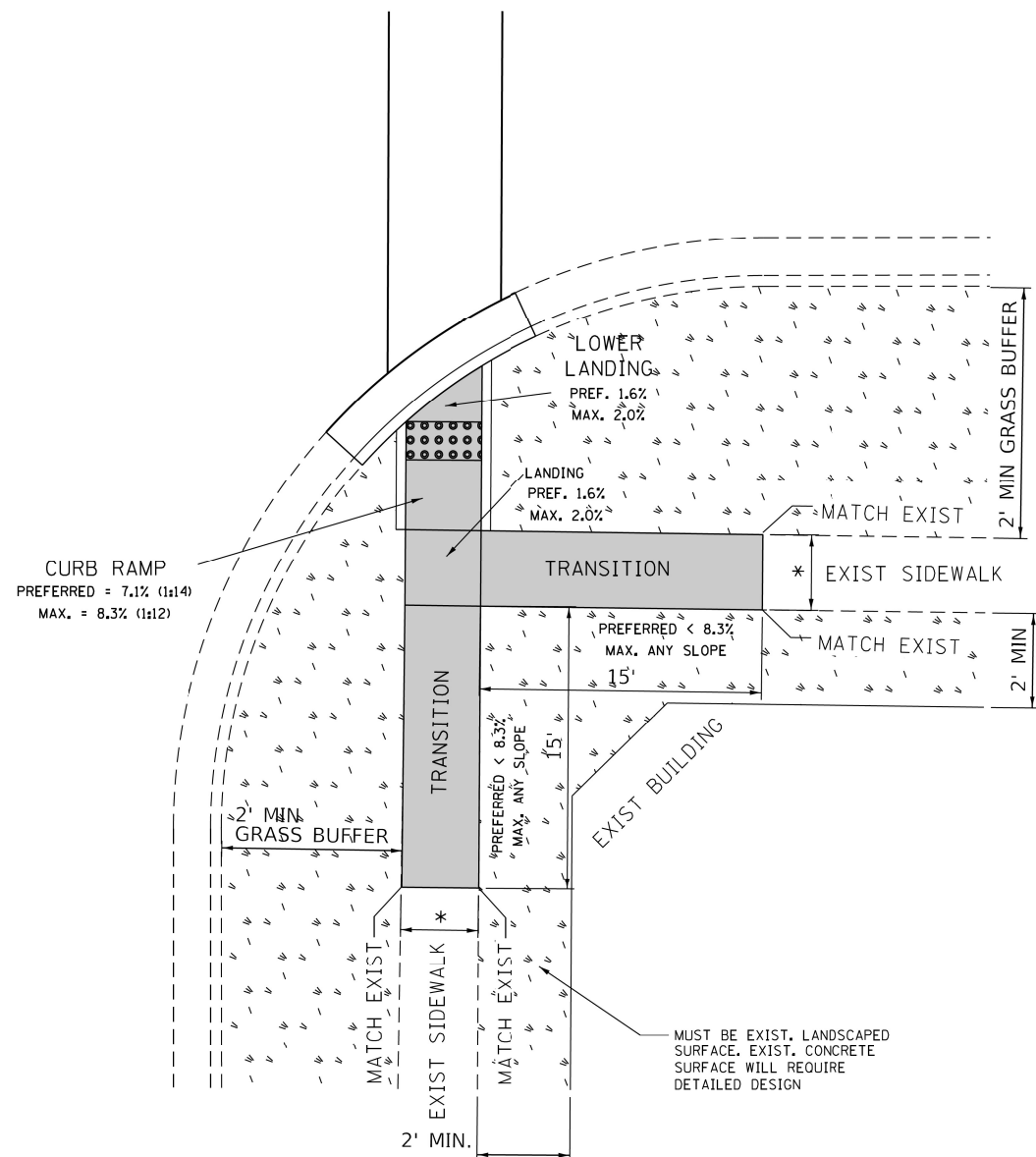
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

SCALE: SHEET OF SHEETS STA. TO STA.

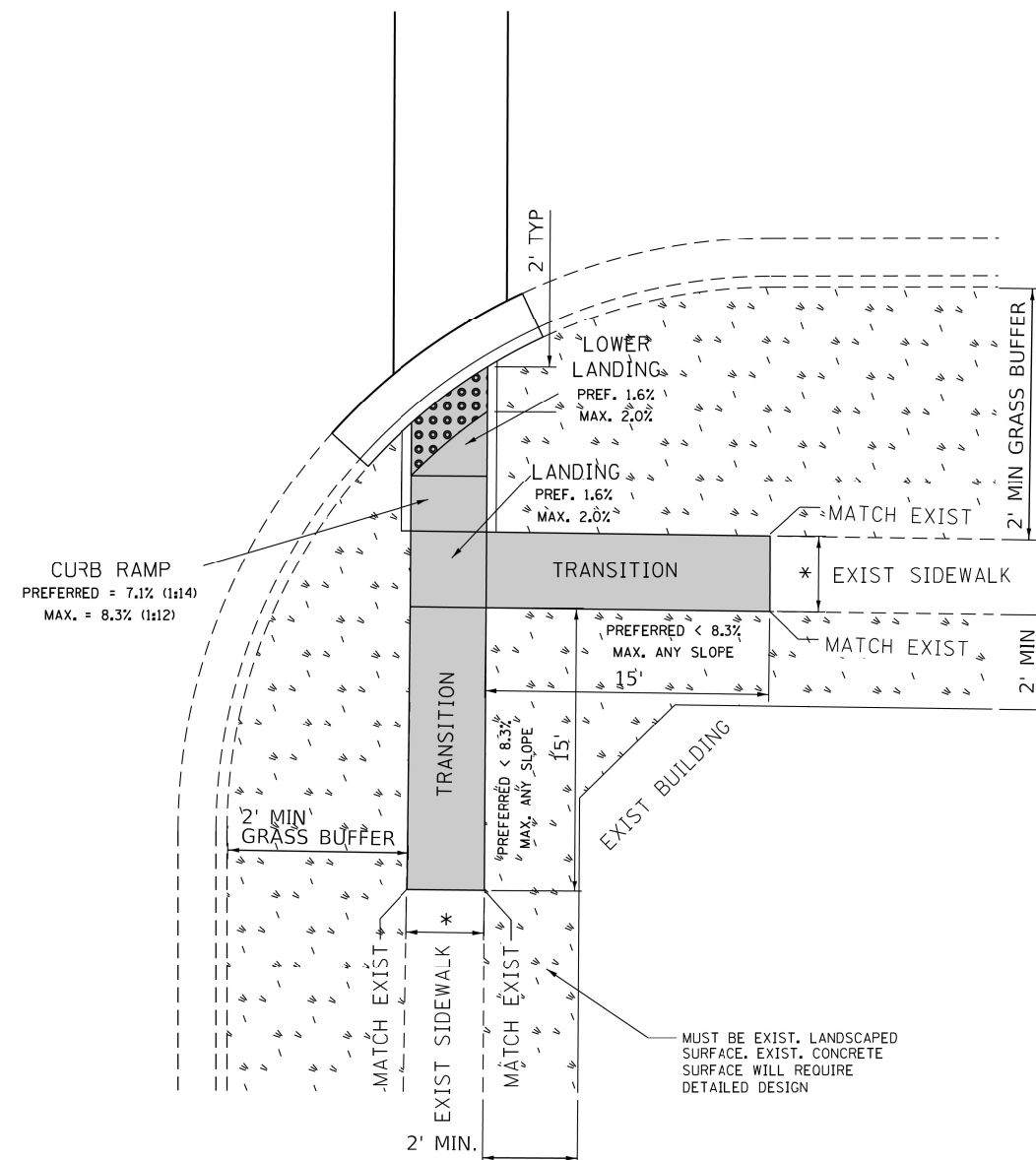
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-01B-R565W	COOK	36	15
PD-03		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



DESIGNER NOTES:

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

LEGEND

	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-shr-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
Default		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

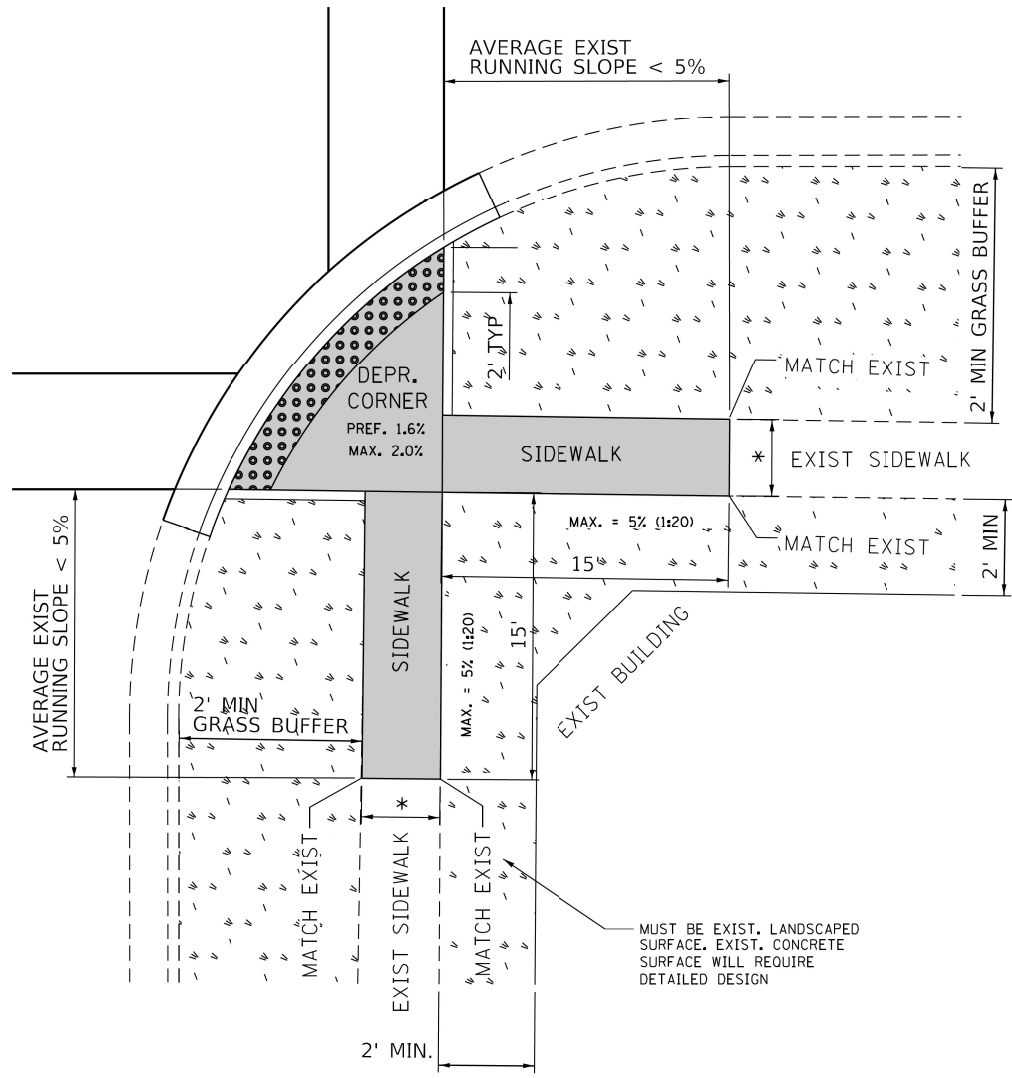
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
W/TURNING SPACE (PD-04)**

SCALE: SHEET OF SHEETS STA. TO STA.

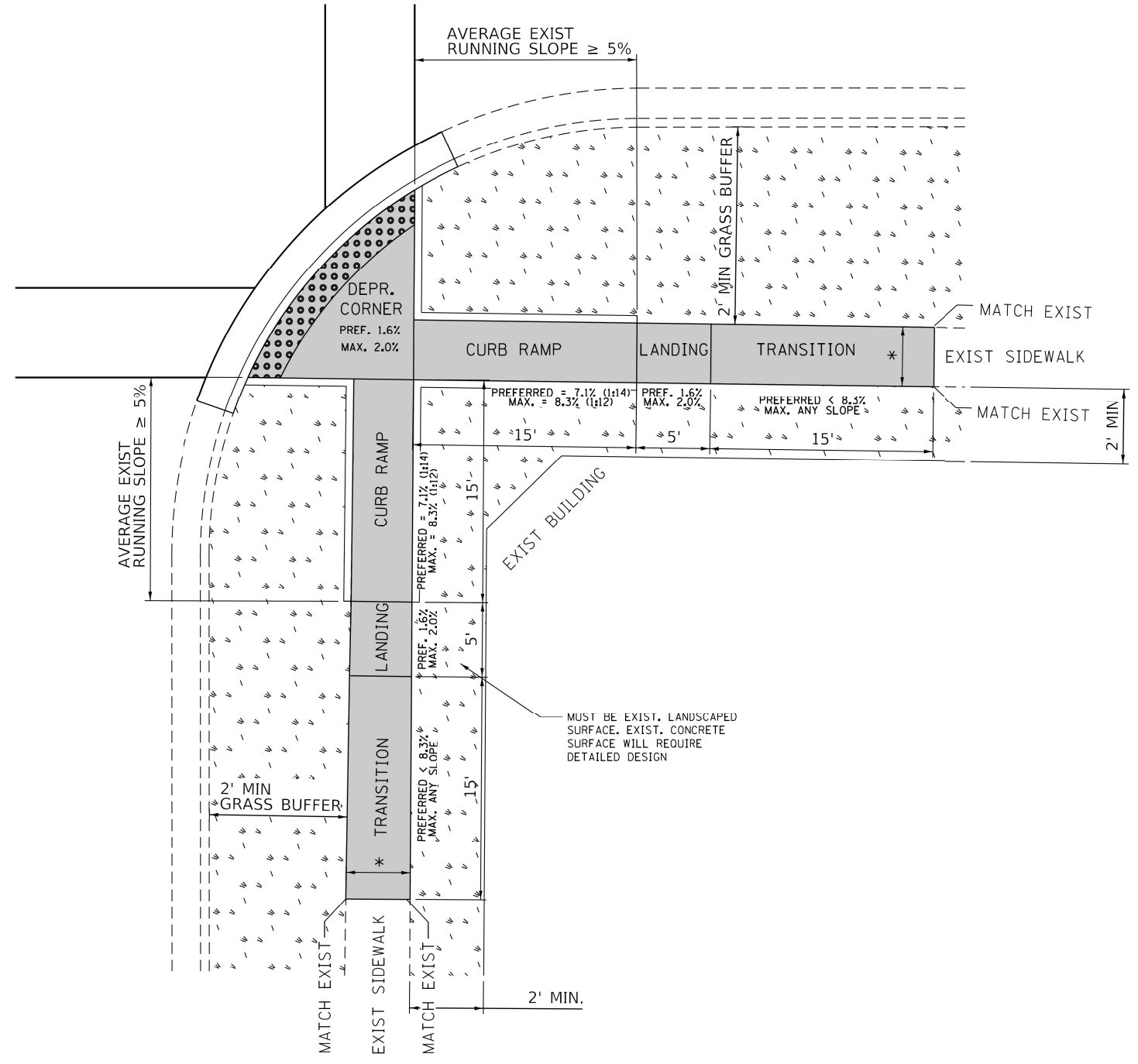
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-01B-R565W	COOK	36	16
PD-04		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



DESIGNER NOTES:

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

LEGEND

	PROPOSED SIDE CURB
	EXIST. GRASS
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ldezma-rm	DESIGNED -	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 11/12/2019	DATE -	REVISED -

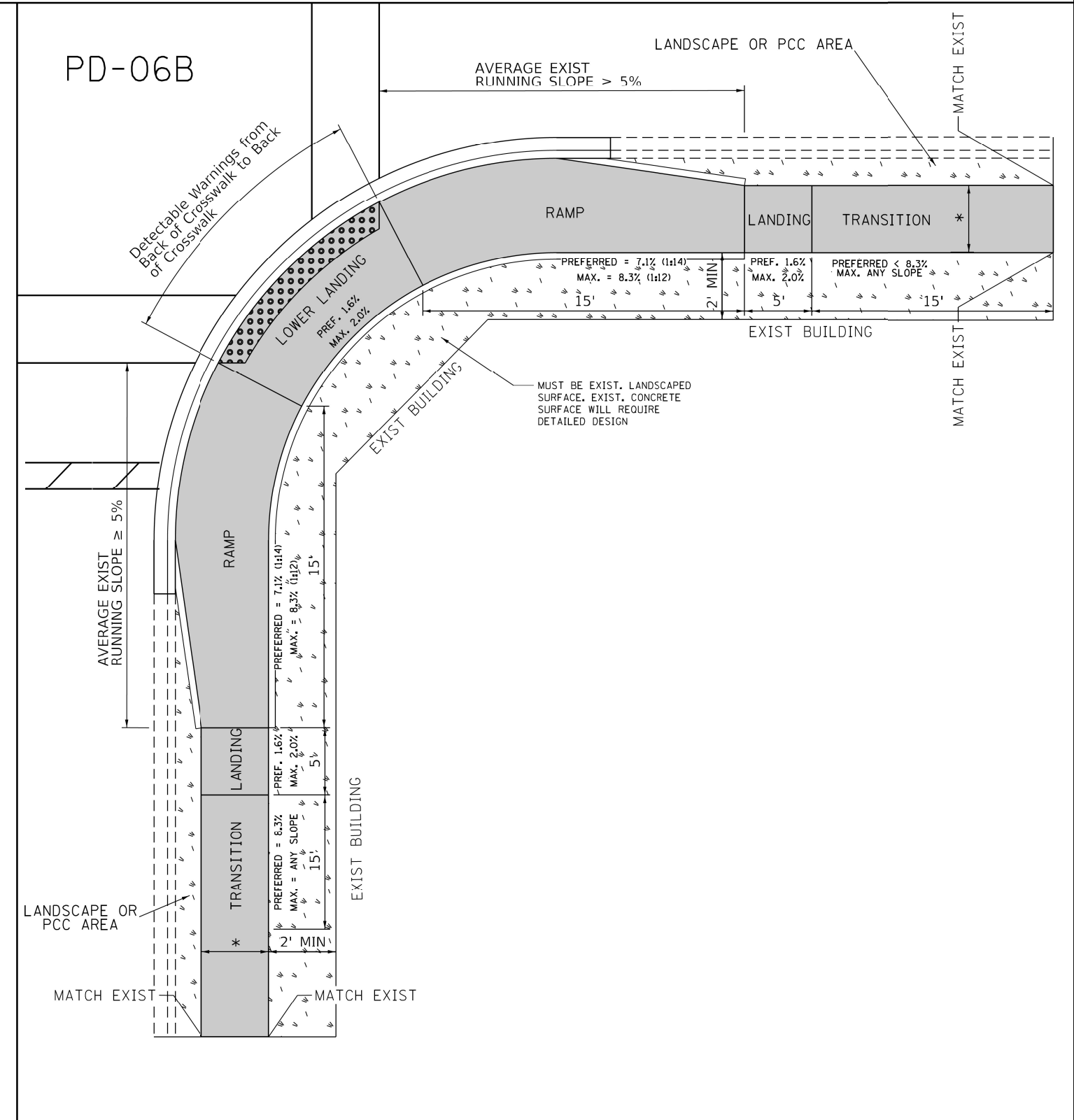
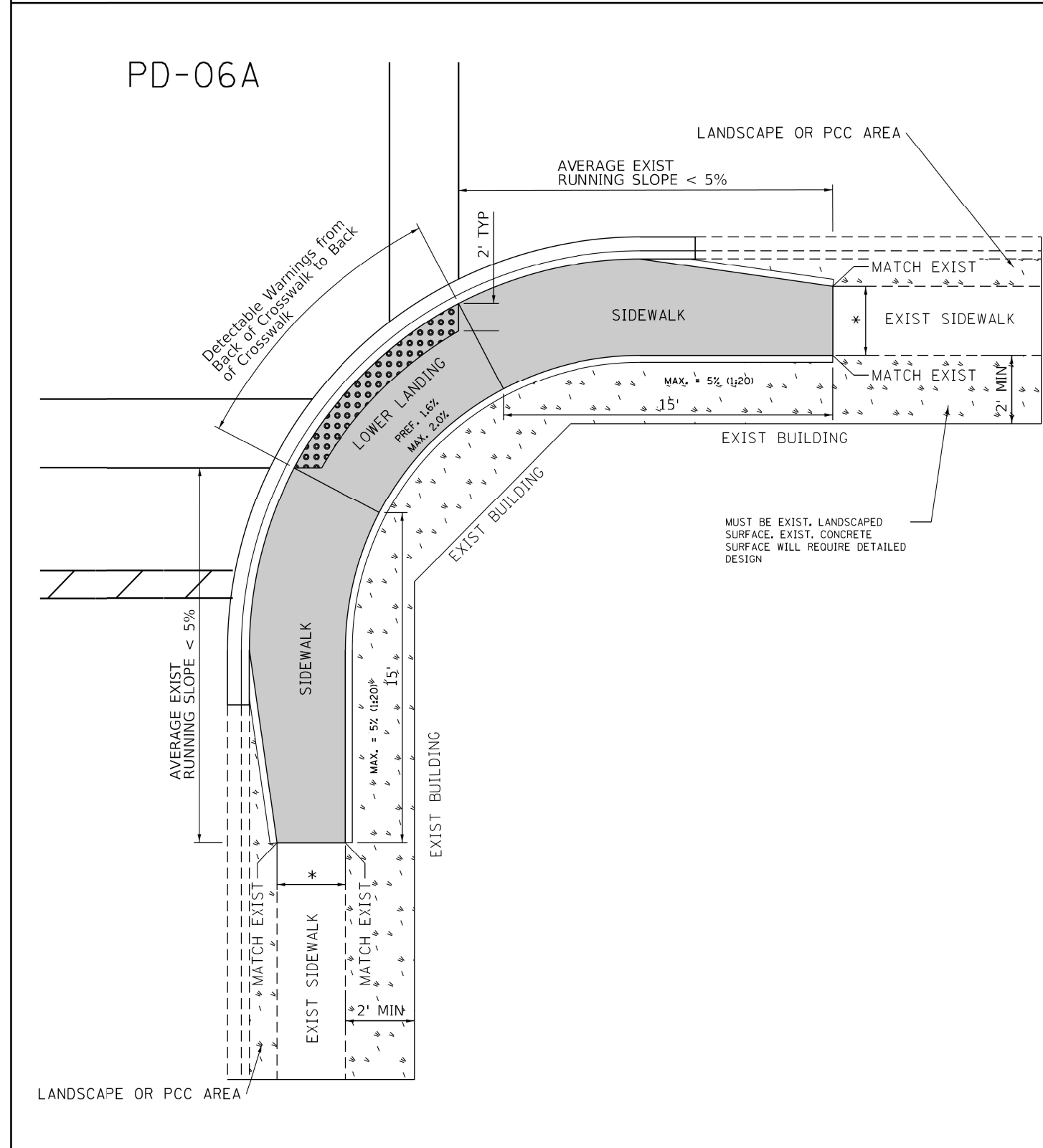
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-01B-R565W	COOK	36	17
PD-05		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING



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

LEGEND

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

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

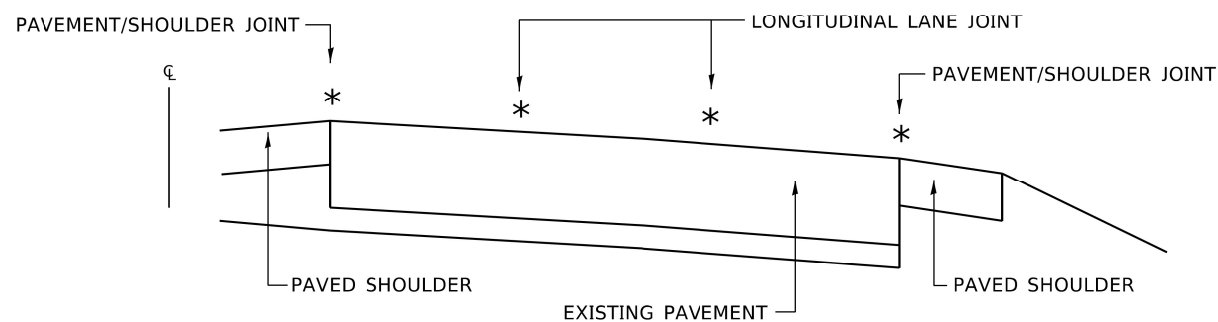
FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
Default		CHECKED -	REVISED -
		DATE - 11/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

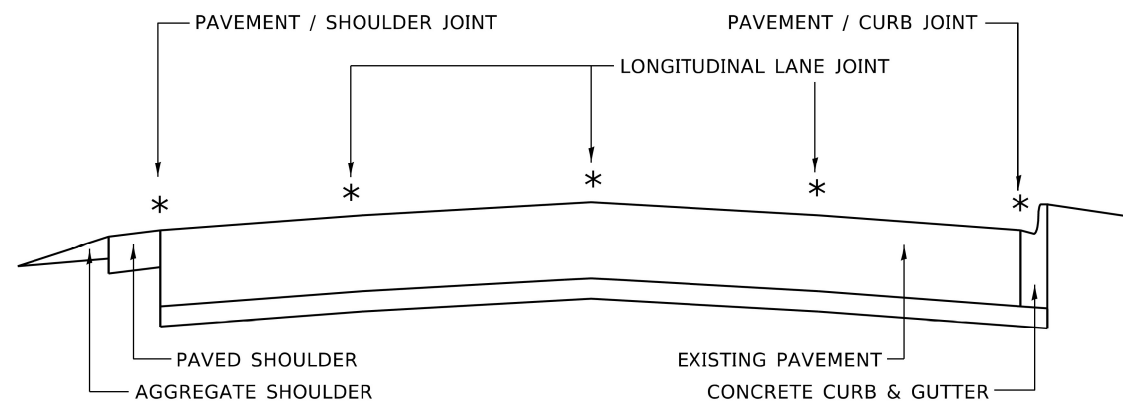
**PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-01B-R565W	COOK	36	18
PD-06		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

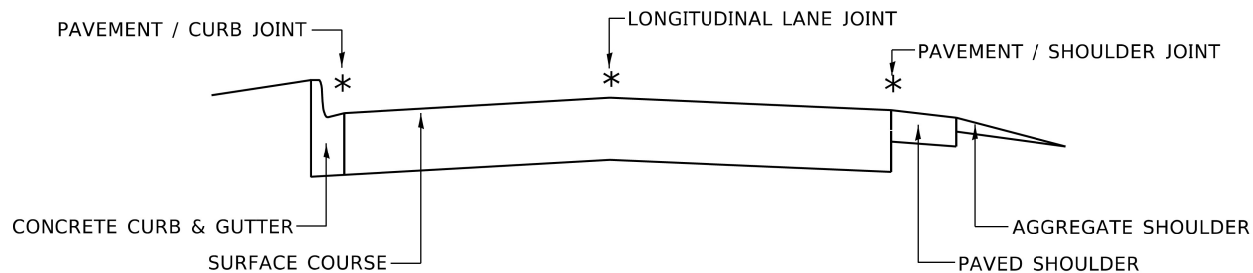
SCALE: SHEET OF SHEETS STA. TO STA.



MULTI-LANE DIVIDED PAVEMENT



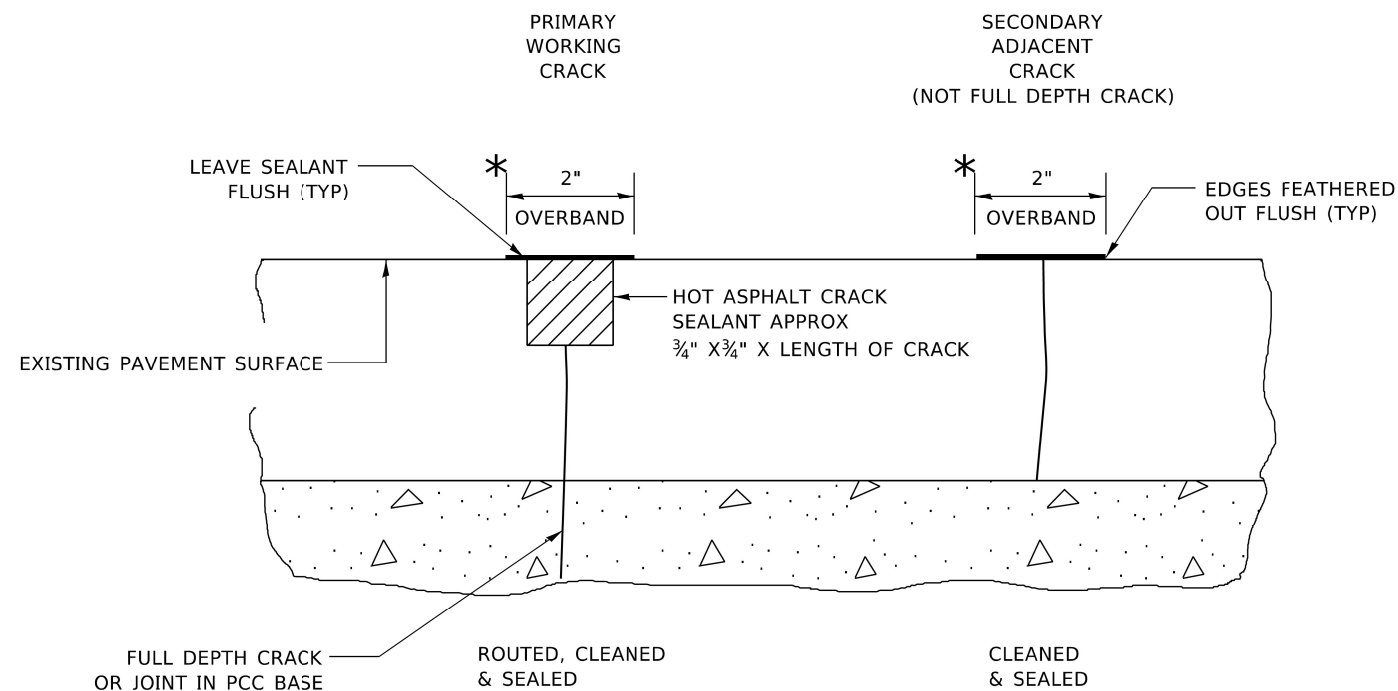
MULTI-LANE UNDIVIDED PAVEMENT



TWO-LANE PAVEMENT

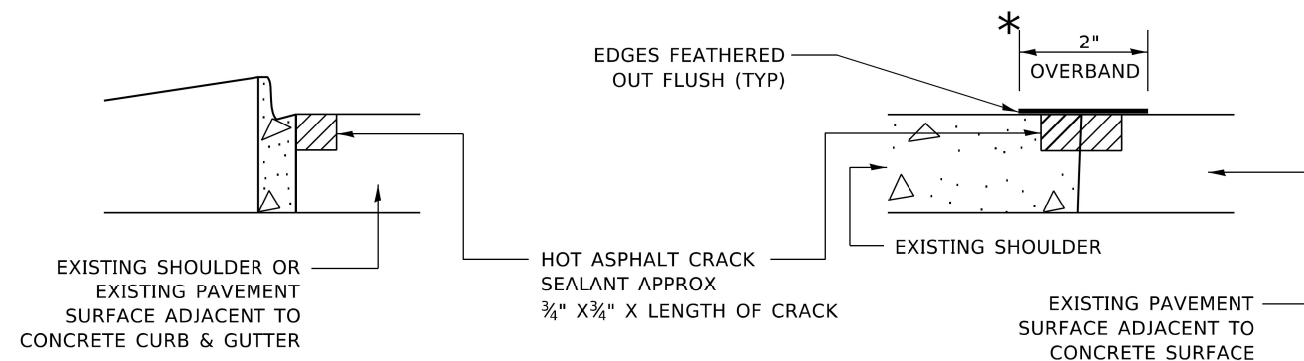
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS
(APPLIES TO HMA AND PCC PAVEMENTS)**



* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

LONGITUDINAL JOINT



CRACK & JOINT SEALING DETAIL

MODEL: Default
FILE NAME: p:\work\baronm.d\illinois.gov\PWD\DOT\Documents\DOT - Offices\District 1\Projects\13120\CDData\Design\13120-shl-schedule.dgn

USER NAME = Hussein	DESIGNED - F. Aqueel / A. Midy	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2020	DATE - 10/08/2020	REVISED -

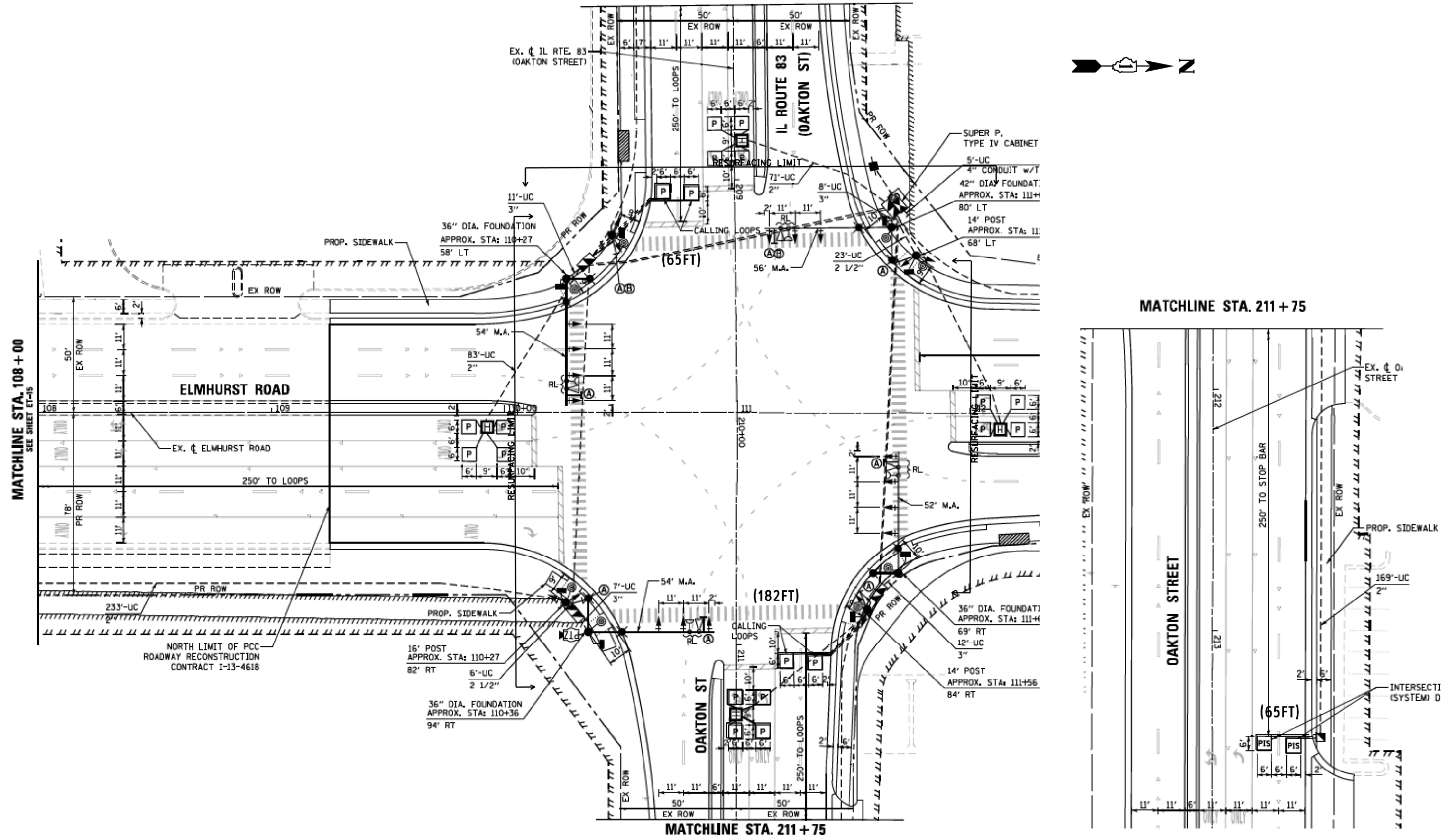
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK & JOINT SEALING DETAIL (PD-11)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1332	SECTION 2011-018-R5G3W	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N77	

MATCHLINE STA. 208 + 25



MATCHLINE STA. 211 + 75

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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	312	FOOT

TS#3350

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
OAKTON ST. AT IL 83 (ELMHURST RD.)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R56SW	COOK	36	20

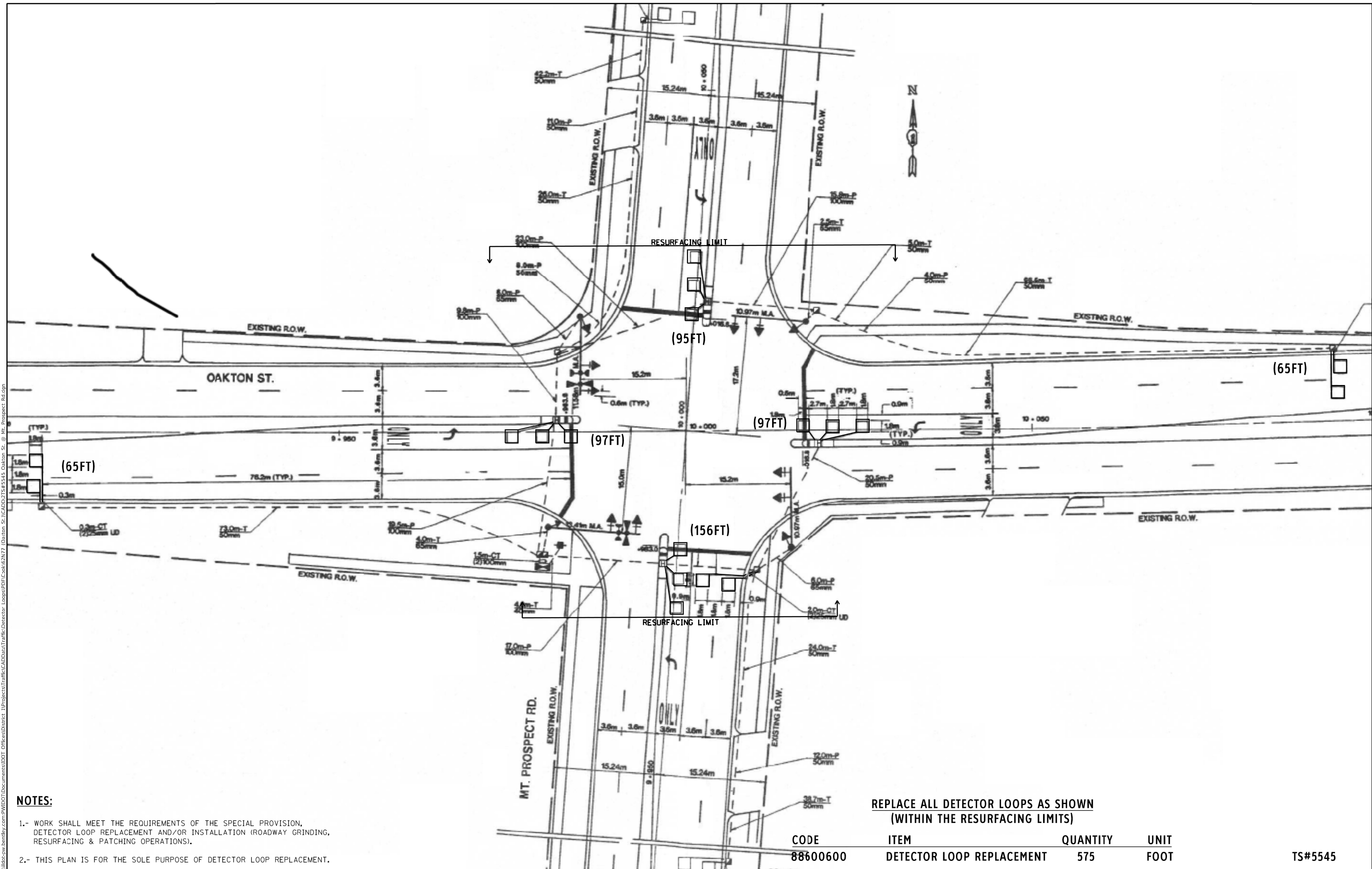
CONTRACT NO. 62N77

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

MODEL: Default
 FILE: \\nrc-1-pw-bentley.com\PWIDOT\Documents\DOT_Offices\District_1\Projects\Traffic\CADD\Traffic\Detector Loops\PDF\Cadd\62N77_Oakton_St_IL83\1332_3350_Oakton_St_@_1332.dgn

MODEL: Default
 FILE: \\p120101\pcw_bentley.com\PROJECTS\Traffic\Detector\Loop\PDF\Cook62N77_Oakton_St\CADD\TSS\545 Oakton_St @ Mt. Prospect_Rd.dgn



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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	575	FOOT

TS#5545

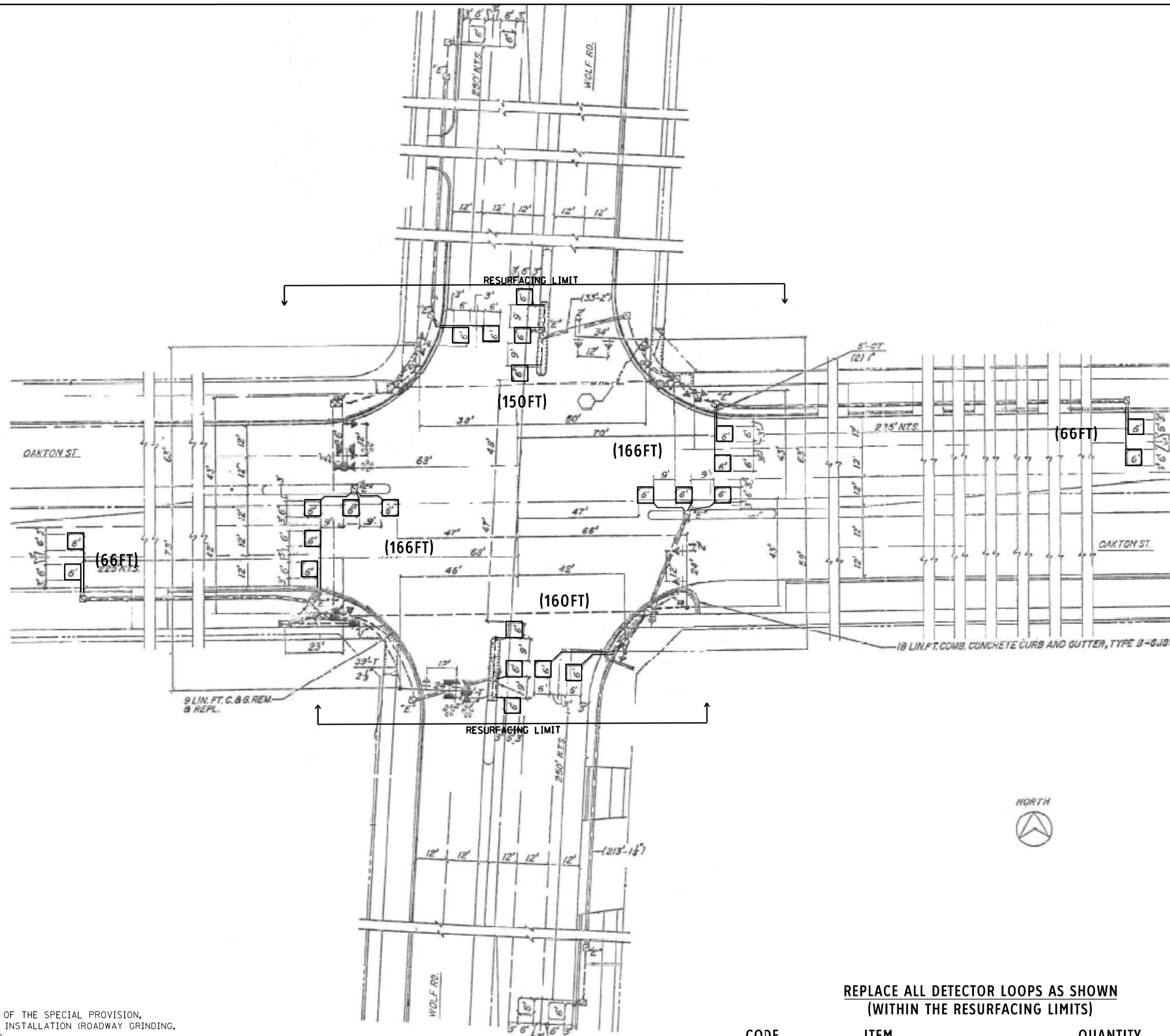
USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
PLOT SCALE = 40.0028' / 1"	DRAWN - Gonzalo Meza	REVISED -
PLOT DATE = 1/12/2022	CHECKED - Steven M. Nguyen	REVISED -
	DATE - 09/17/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
 OAKTON ST. AT MT. PROSPECT RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE. 1332	SECTION 2021-018-R56SW	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 21
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				



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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	774	FOOT

TS#5550

MODEL: Default; FILE NAME: p:\w\idc\pw_bentley.com\PVIDDOT\Documents\DOT_Offices\Distric... 1:\Projects\Traffic\CADD\Bate\Traffic\Detector_Loops\PDF\CAD\62N77_Oakton_St.\CAD\DOT\TS#5550_Oakton_St._@_Wolf_Rd.dgn

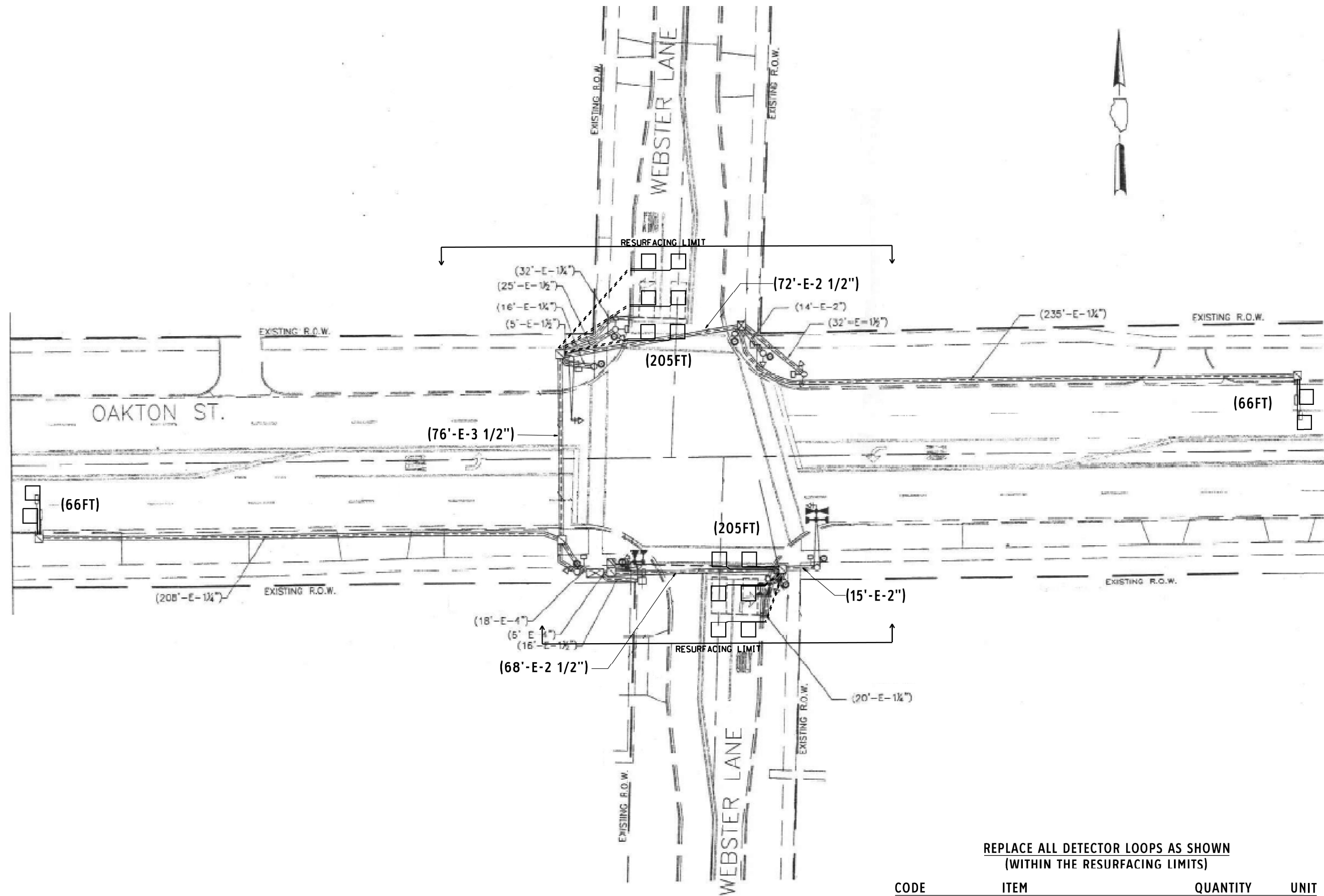
USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 10/1/2021	DATE - 09/17/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
OAKTON ST. AT WOLF RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R56SW	COOK	36	22
CONTRACT NO. 62N77				
ILLINOIS FED. AID PROJECT				



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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	542	FOOT

TS#12995

MODEL: Default
 FILE: \\miller-pw-bentley.com\P\1101\DOT\Documents\11DOT_Offices\District_11\Projects\Traffic\CADD\Traffic\Detector_Loops\PDF\Cadd\62N77_Oakton_St.\CADD\TS#12995_Oakton_St._@_Webster_Ln.dgn

USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 10/18/2021	DATE - 09/17/2021	REVISED -

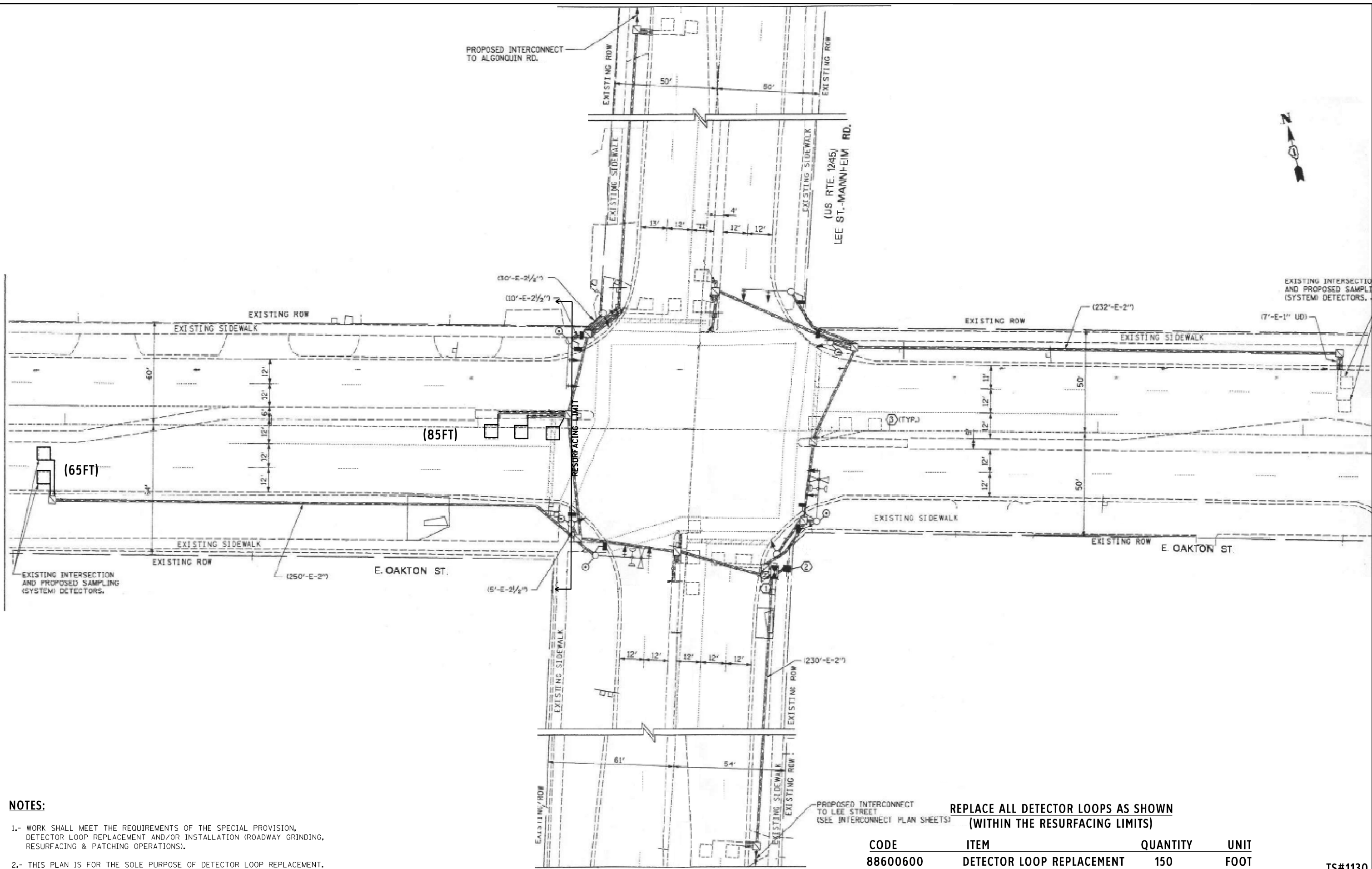
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
OAKTON ST. AT WEBSTER LN.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	23
			CONTRACT NO. 62N77	
		ILLINOIS FED. AID PROJECT		

MODEL: Default
 FILE: \\miller-pw-bentley.com\P\11001\Documents\11DOT_Offices\District 11\Projects\Traffic\Cadd\Traffic\Detector Loop\1130 Oakton St @ Lee St.dgn



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.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	150	FOOT

TS#1130

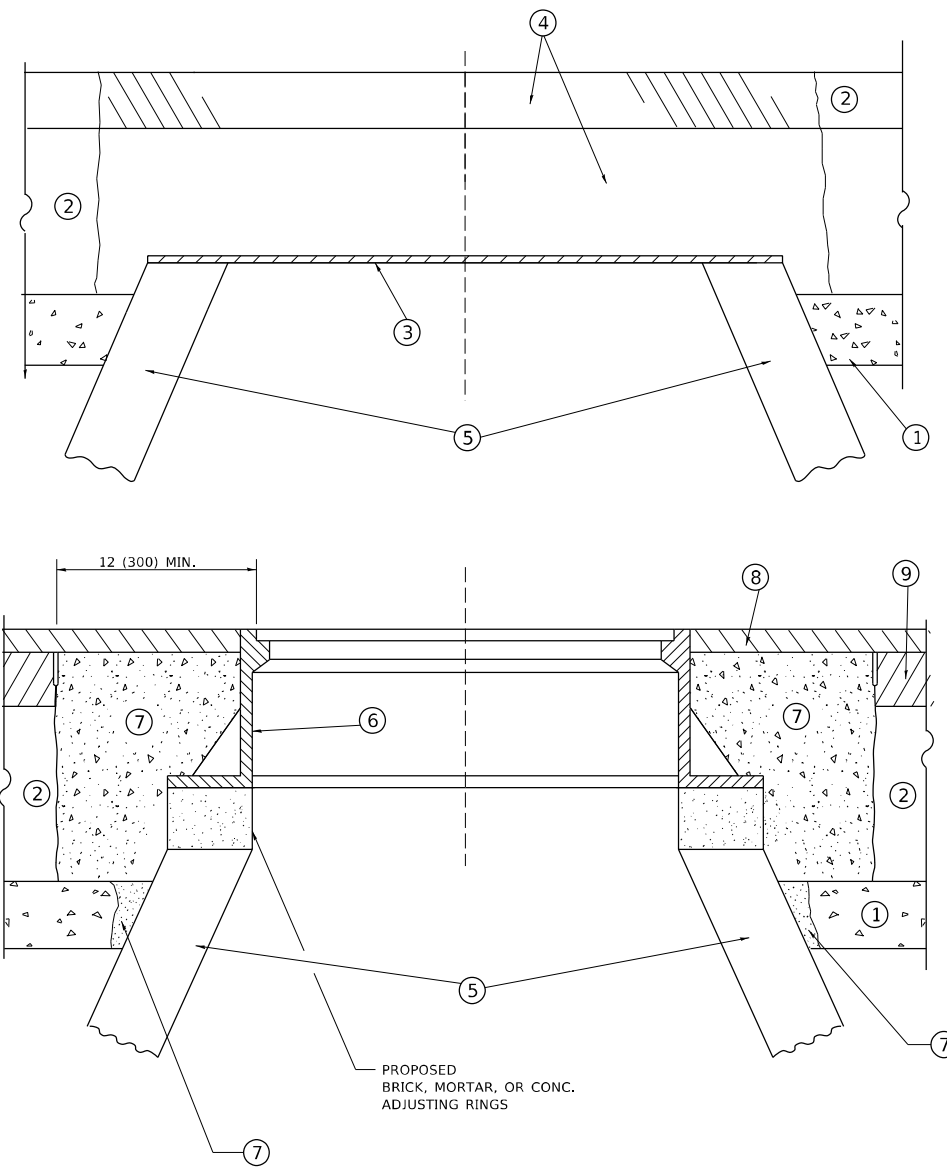
USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 10/5/2021	DATE - 09/17/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
OAKTON ST. AT US 12 /45 (LEE ST. / MANNHEIM RD.)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-R5&SW	COOK	36	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N77	

SCALE: SHEET OF SHEETS STA. TO STA.



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE NAME: p:\project-paw-beadefy.com\PI\DOT\Documents\DOT Office\Dir\rdet_1\Project\1011272\ICAD\data\Design\BdEst.dgn

USER NAME = khans	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/4/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

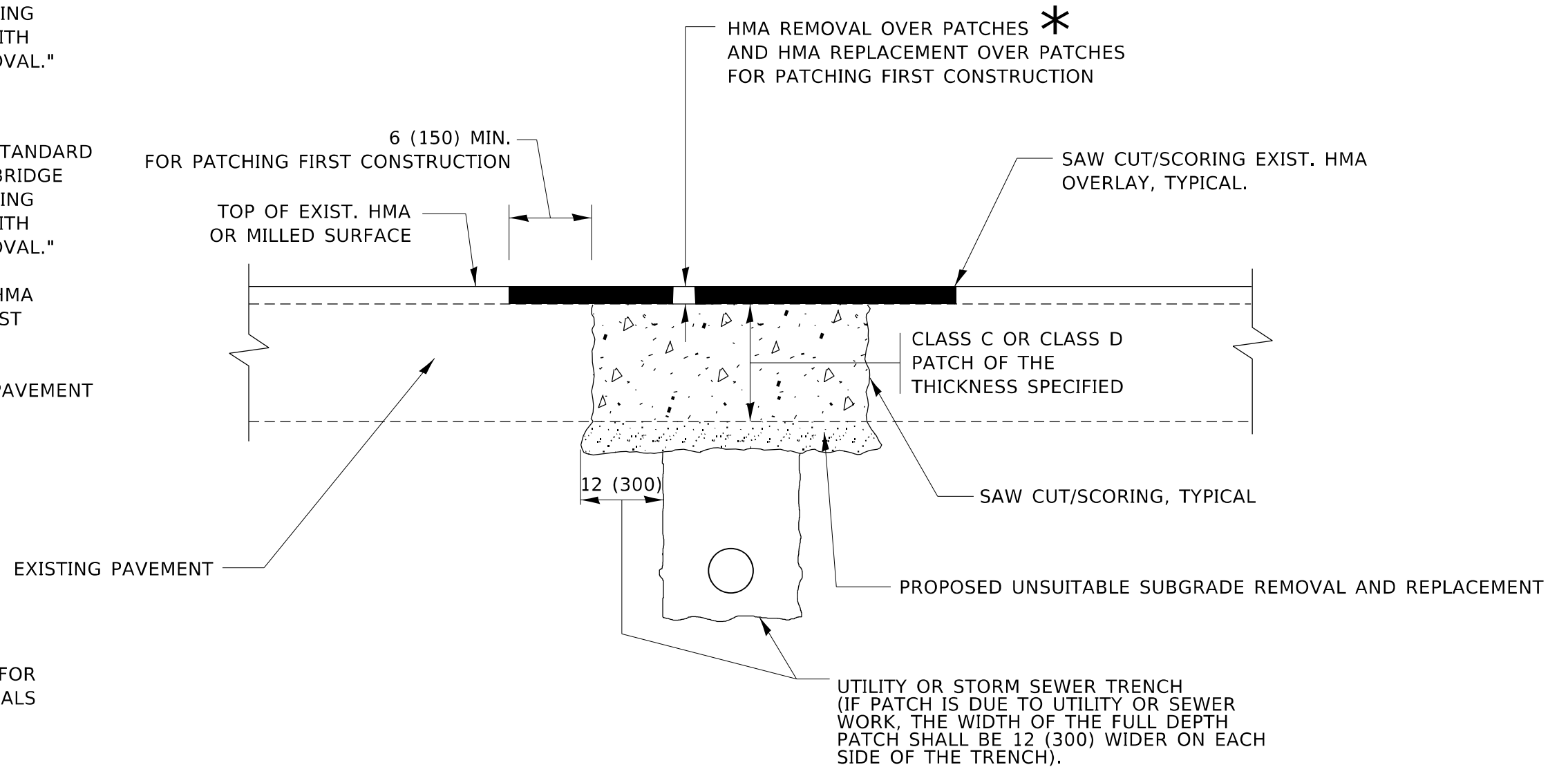
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	25
BD600-03 (BD-08)			CONTRACT NO. 62N77	
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

MODEL: Default FILE: hma18 PavSubdrain.bentley.com/PWDOT/Document/1/001/Office/Dir/rdet_11/Project/1011272/ICAD/ata/Design/Dir/Est/dgn

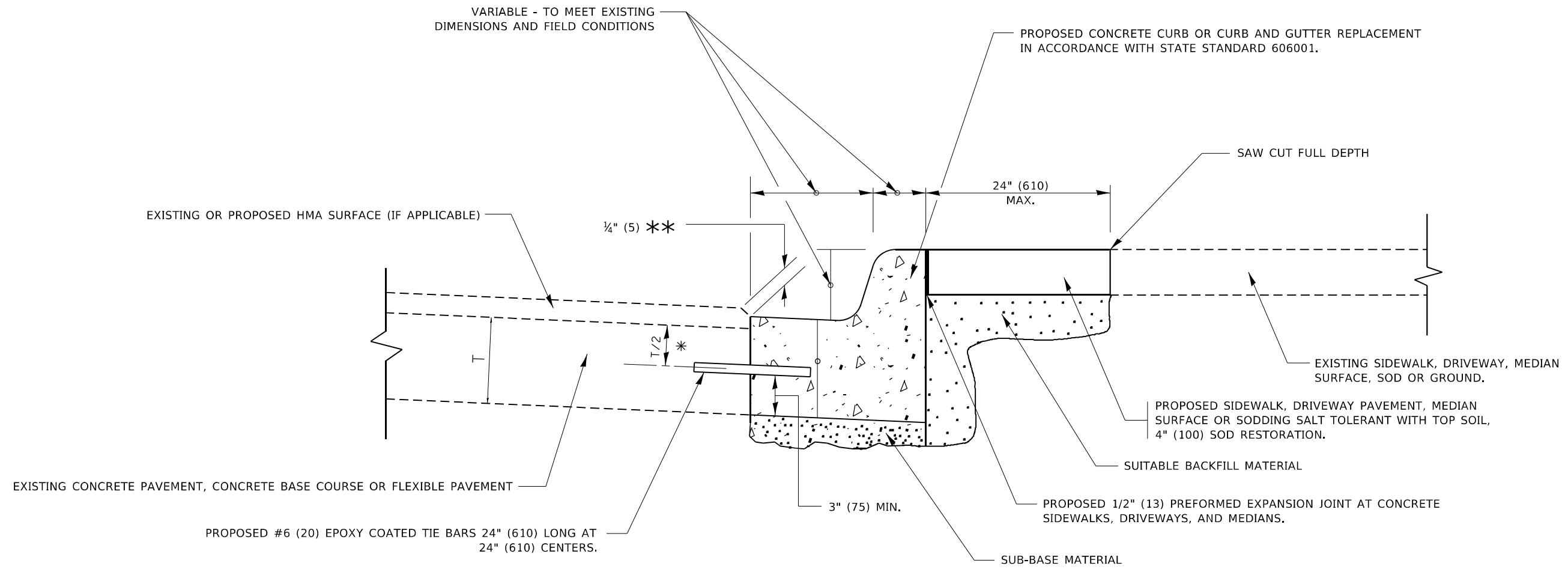
USER NAME = khans	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 2/4/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.U. RTE. 1332	SECTION 2021-018-RS&SW	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 26
BD400-04 (BD-22)		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

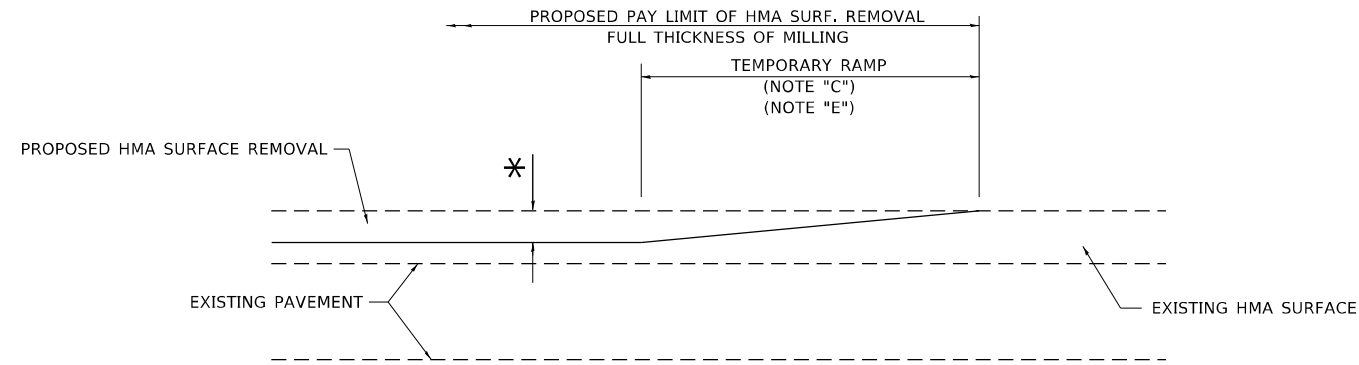
MODEL: Default
 FILE: \\mame-pc\public\paw.bentley.com\PIV\DOT\Documents\DOT Office\District 11\Project\112721\CADD\DATA\Design\BdRst.dgn

USER NAME = khans	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 = 2/4/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

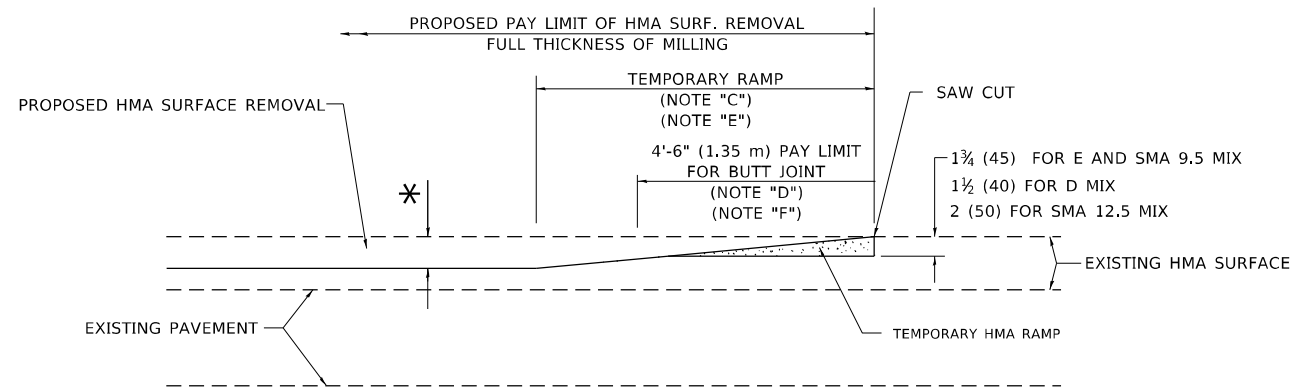
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	27
BD600-06 (BD-24)		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				



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

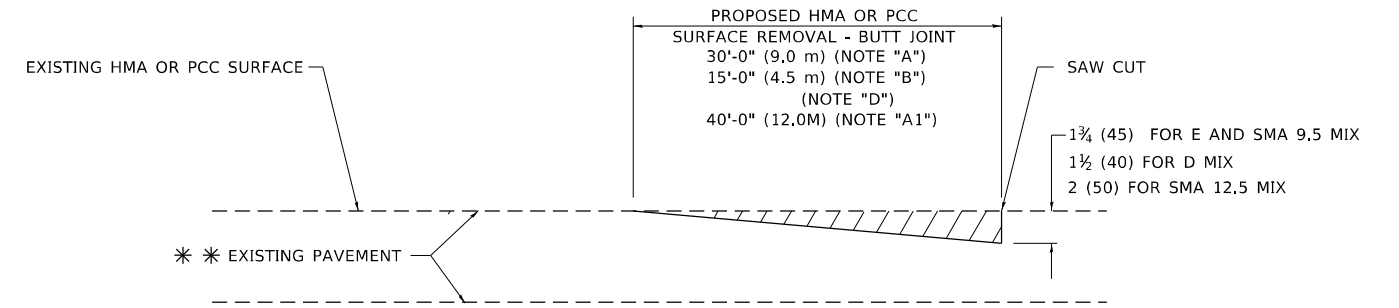
OPTION 1



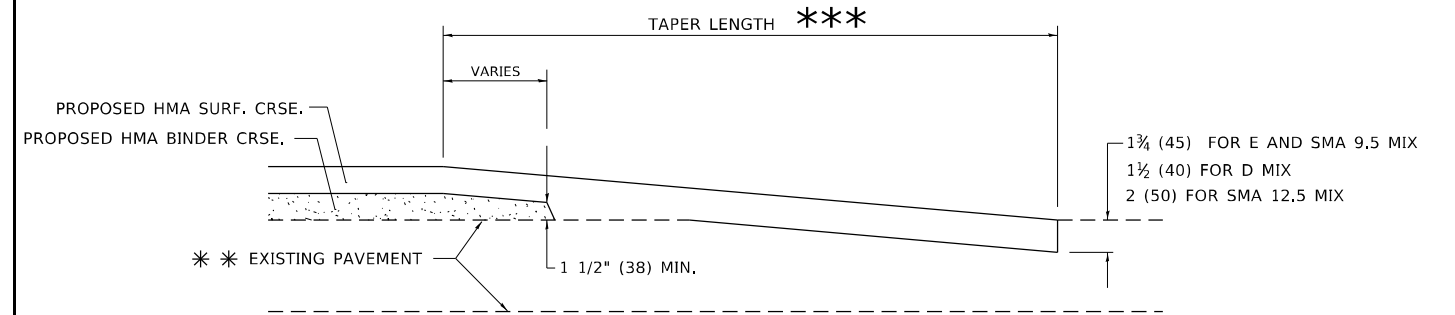
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



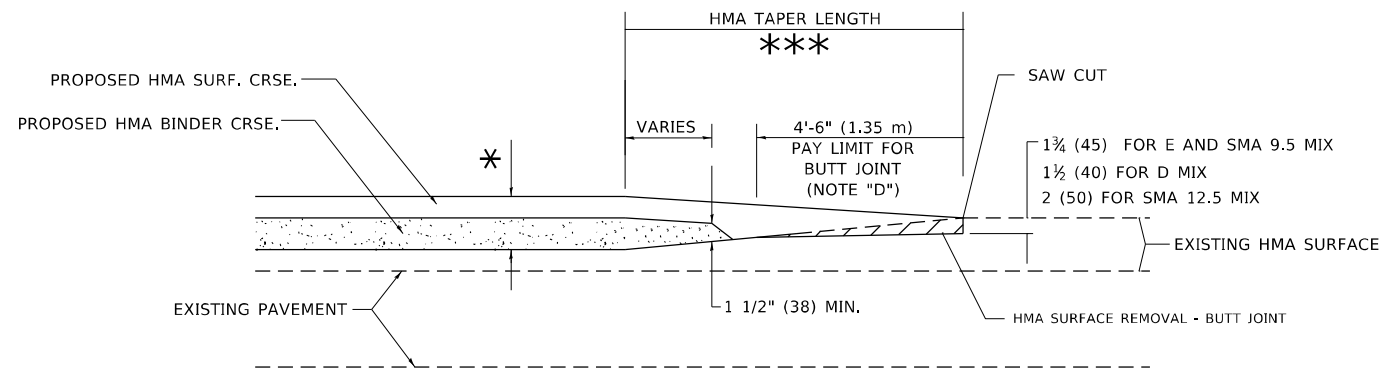
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

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

BASIS OF PAYMENT

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

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

MODEL: Default
FILE: \\blmfe-prod\blmfe\pwworkspace\blmfe.com\PIV\DOT\Documents\DOT Office\Dir\rdet_11\Project\11272\ICAD\data\Design\BtfsStd.dgn

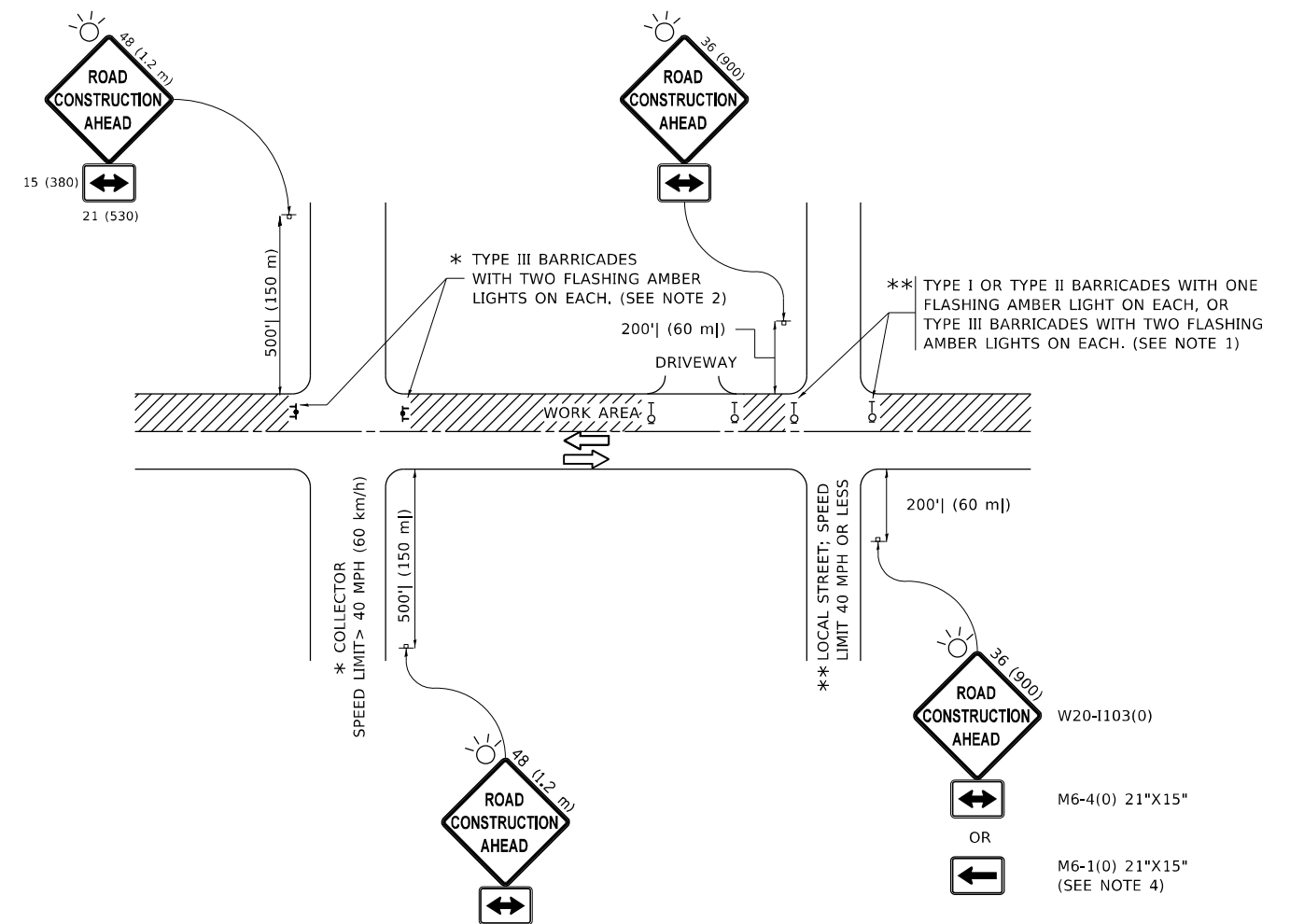
USER NAME = khans	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 2/4/2022	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	28
BD400-05 BD-32			CONTRACT NO. 62N77	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: Default
 FILE NAME: p:\project-new\benefit\com\p\p\DOT\Documents\DOT Office\Dir\rdet_1\project\1172\1\COData\Design\BtStEd.dgn

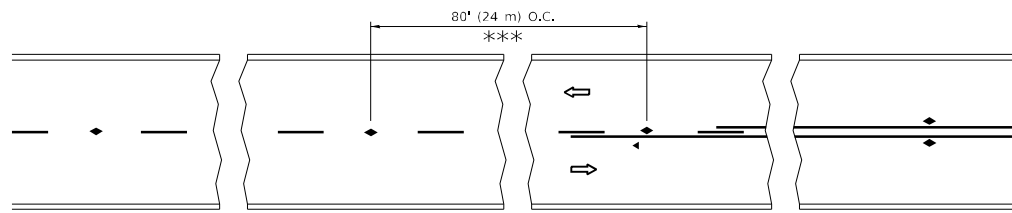
USER NAME = khans	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 2/4/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

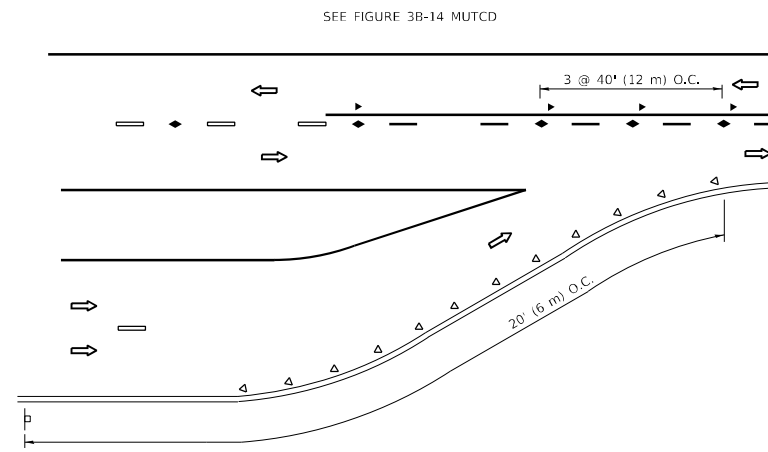
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	29
TC-10		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

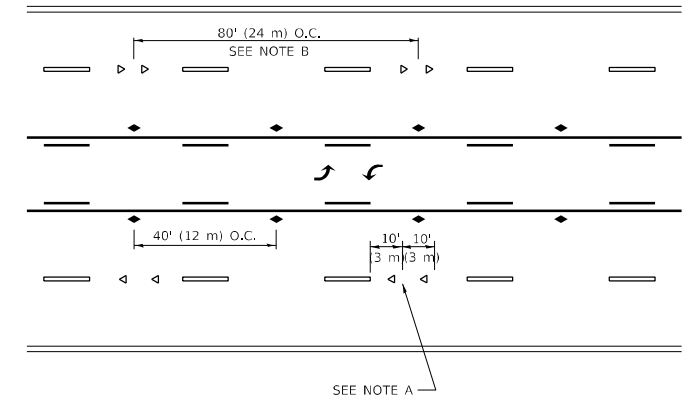


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

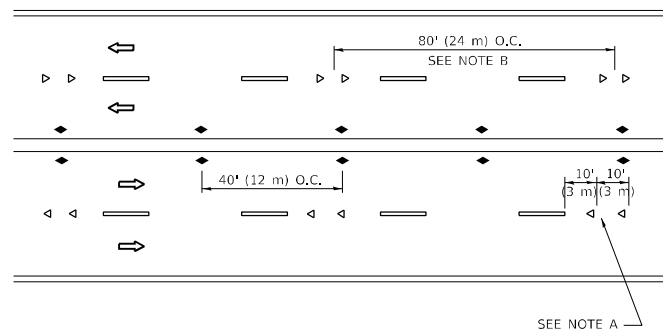
TWO-LANE/TWO-WAY



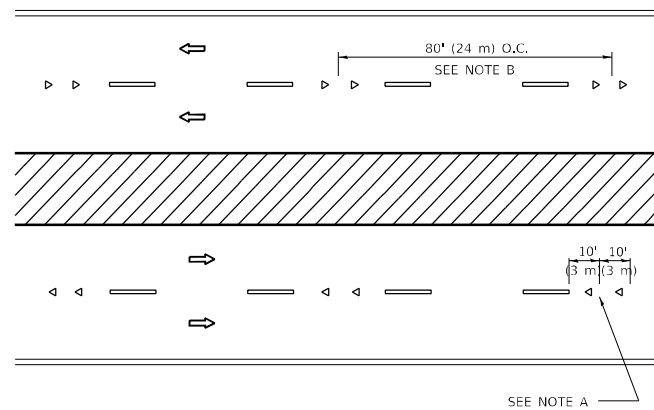
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

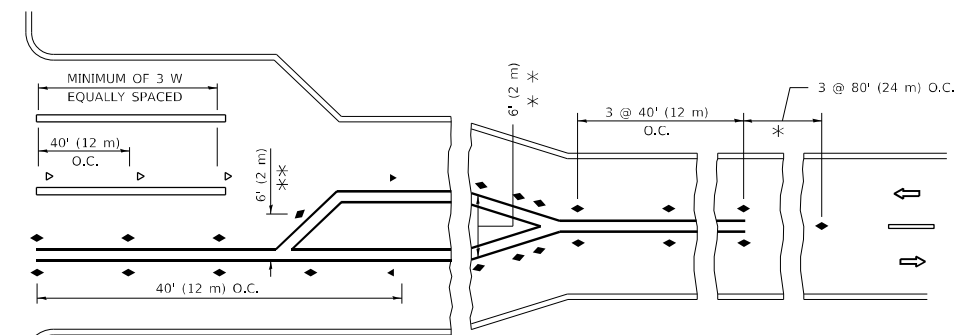
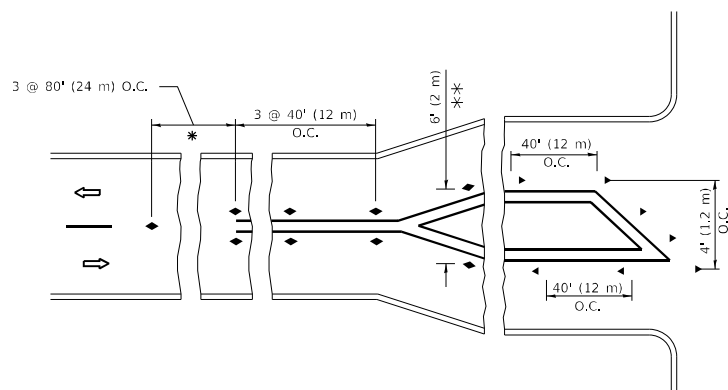
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

MODEL: Default
 FILE: \\nafe... \public\aw_bentley.com\PIV\DOT\Documents\DOT Office\Dir\drt... \Project\11272\ICAD\Drawings\Design\BentStg.dgn

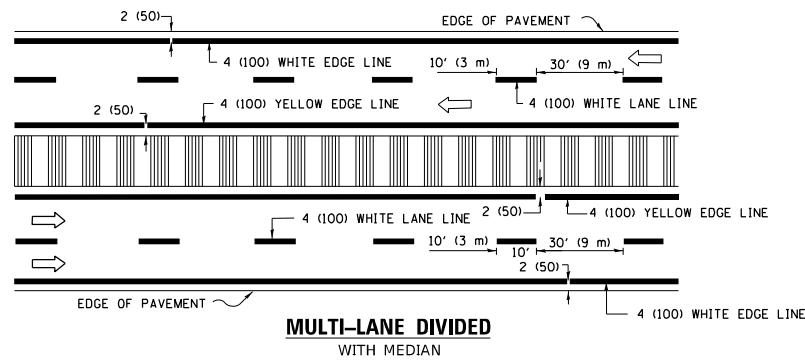
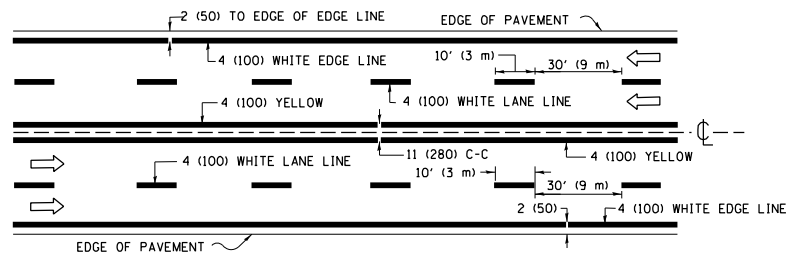
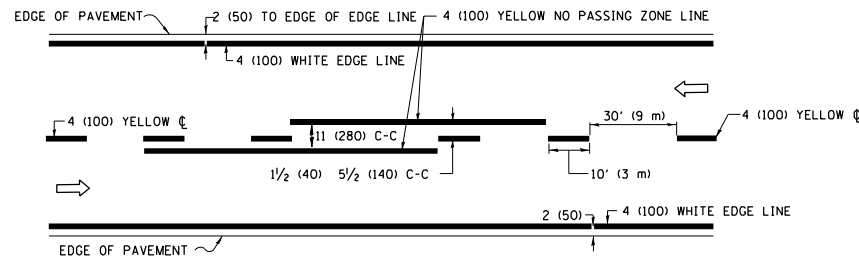
USER NAME = khans	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 2/4/2022	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

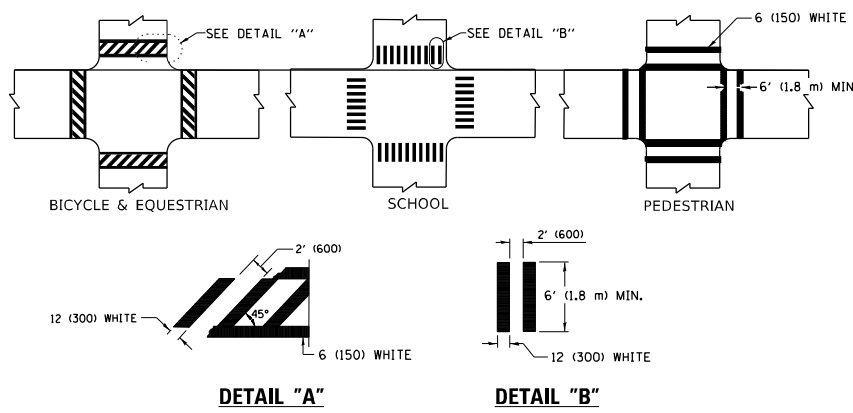
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

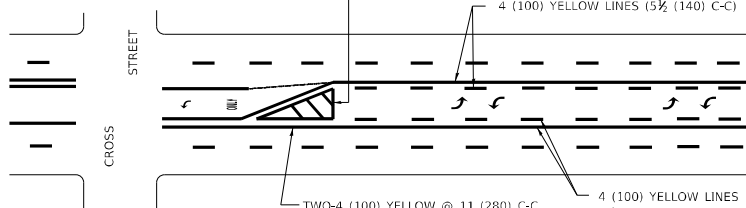
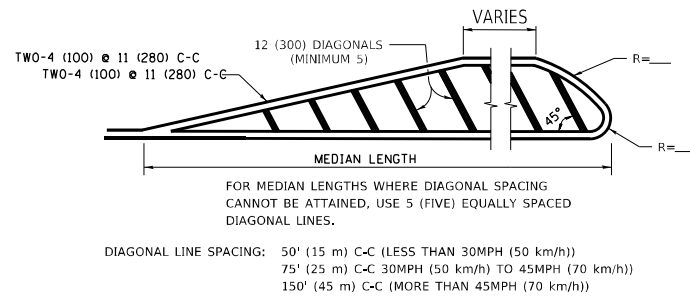
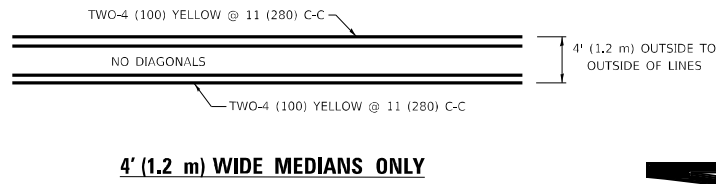
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	30
TC-11			CONTRACT NO. 62N77	
ILLINOIS FED. AID PROJECT				



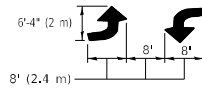
TYPICAL LANE AND EDGE LINE MARKING



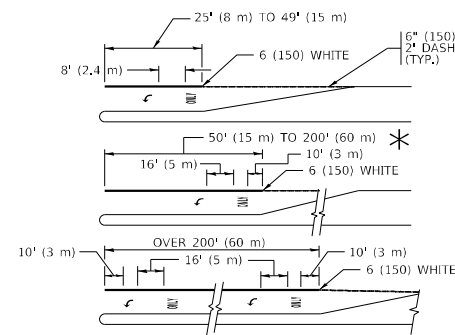
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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



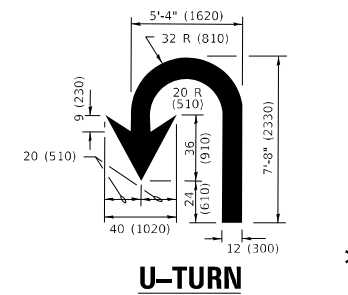
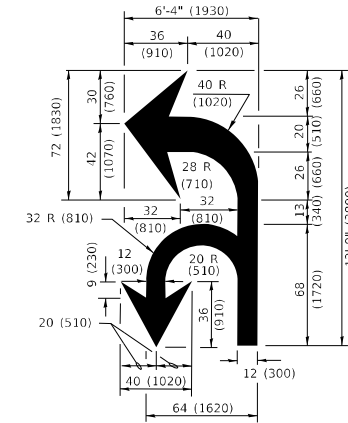
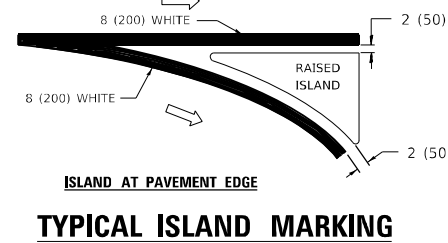
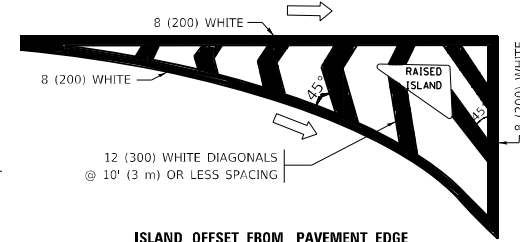
TYPICAL PAINTED MEDIAN MARKING



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

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

TYPICAL TURN LANE MARKING



LANE REDUCTION TRANSITION

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

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

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

MODEL: Default FILE NAME: p:\bldget-pw-bead\paw.com\PIV\DOT\Documents\DOT Office\Dist\ref: \project\11272\11272\CADD\data\Design\Dist\Std.dgn

USER NAME	DESIGNED	REVISION
= khans	- EVERS	- C. JUCIUS 09-09-09
	-	- C. JUCIUS 07-01-13
	-	- C. JUCIUS 12-21-15
	-	- C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	31
TC-13		CONTRACT NO.	62N77	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

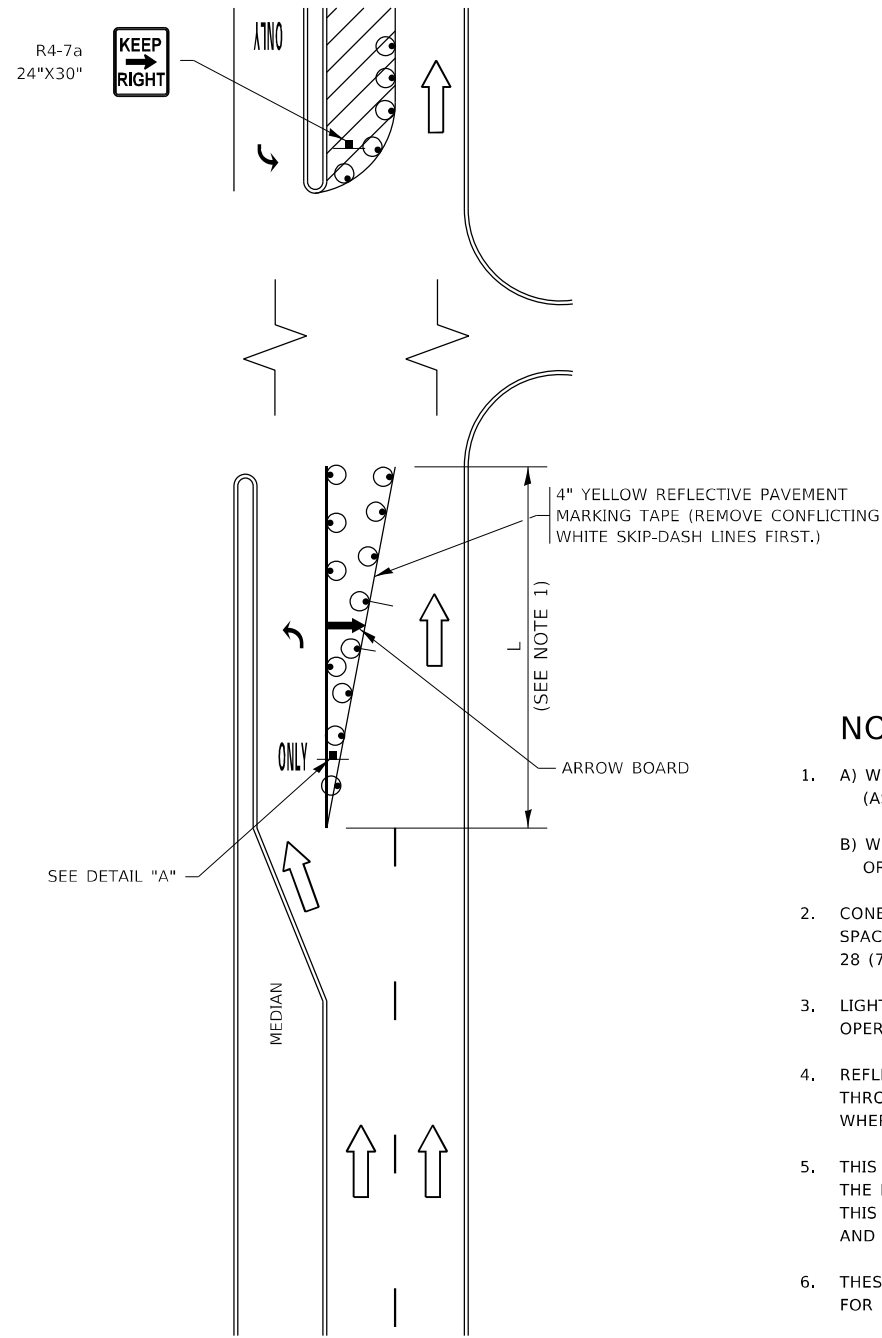
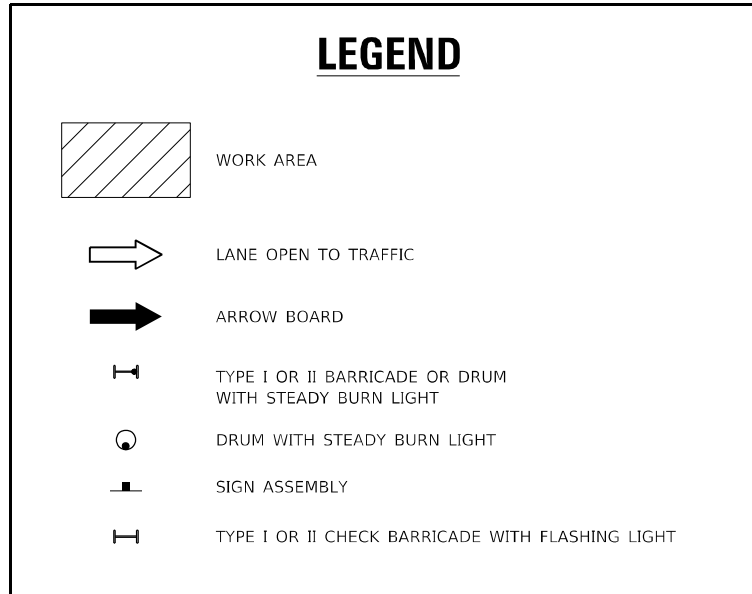


FIGURE 1



NOTES:

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

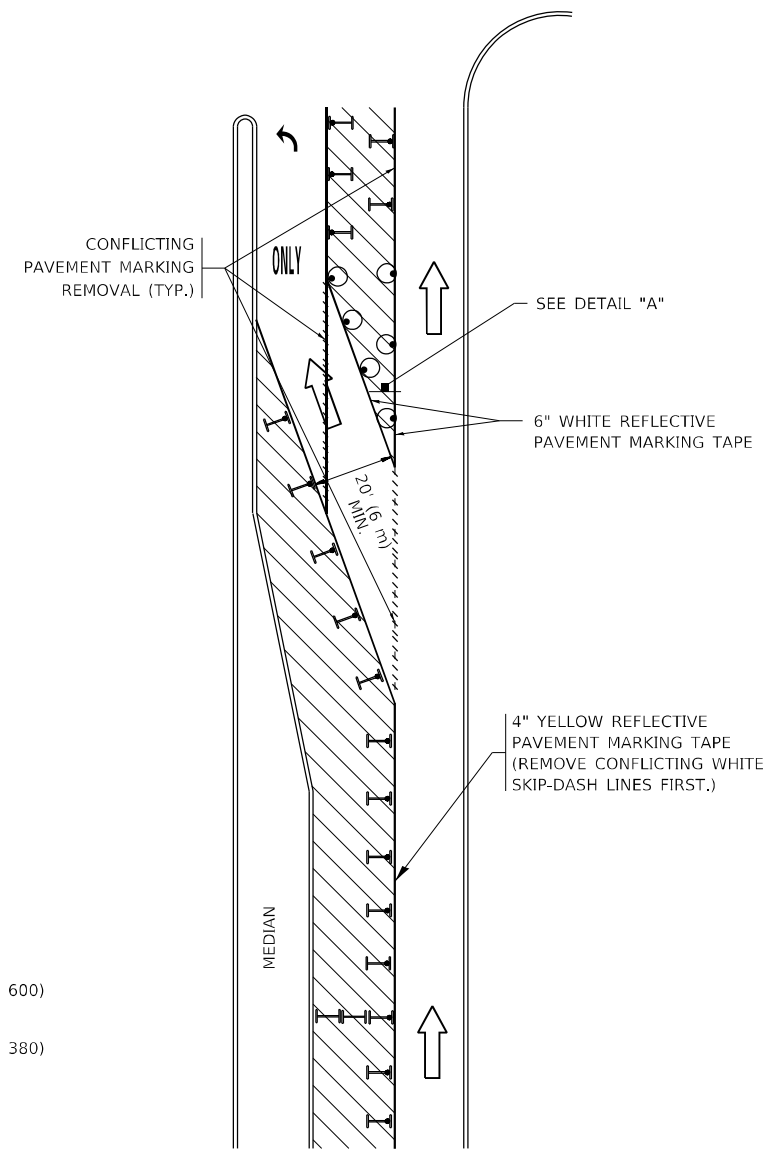
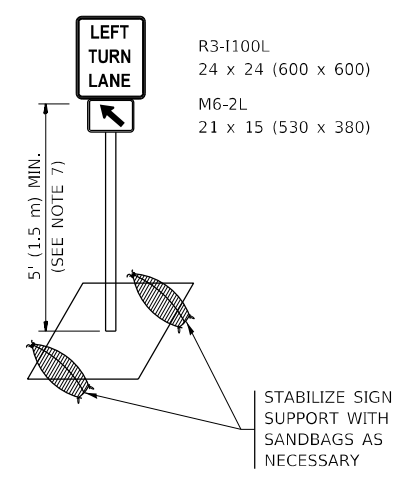


FIGURE 2



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

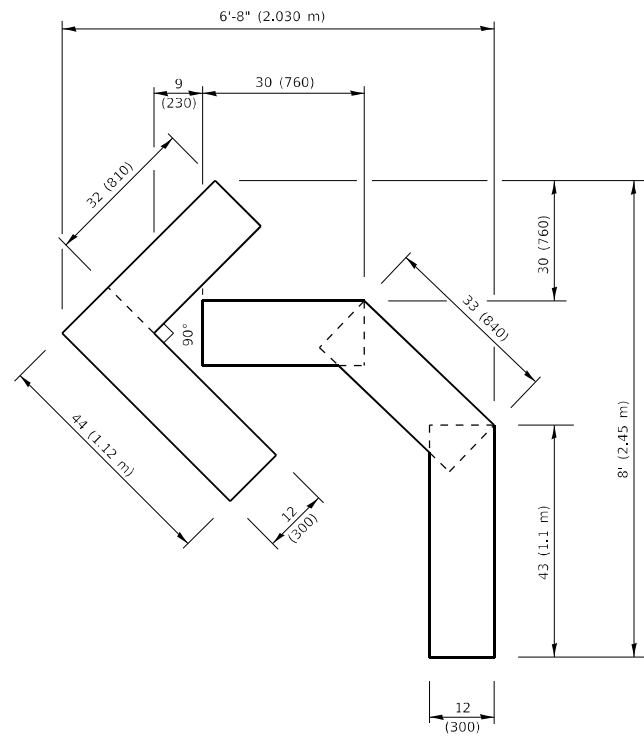
MODEL: Default
 FILE: \\na16f1p01\pub\project\paw\benefit\com\PIV\DOT\Documents\DOT Office\Dir\rdet_1\Project\1011272\ICAD\Drawings\Design\BartSt.dgn

USER NAME = khans	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 2/4/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

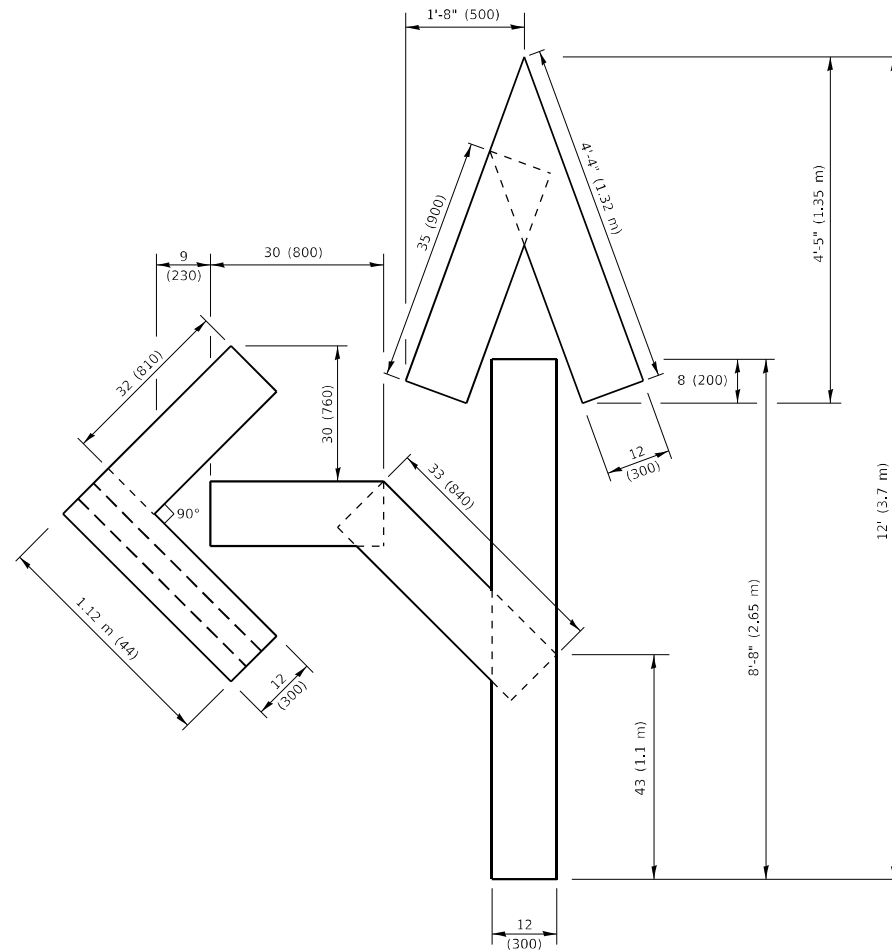
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	32
TC-14		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				



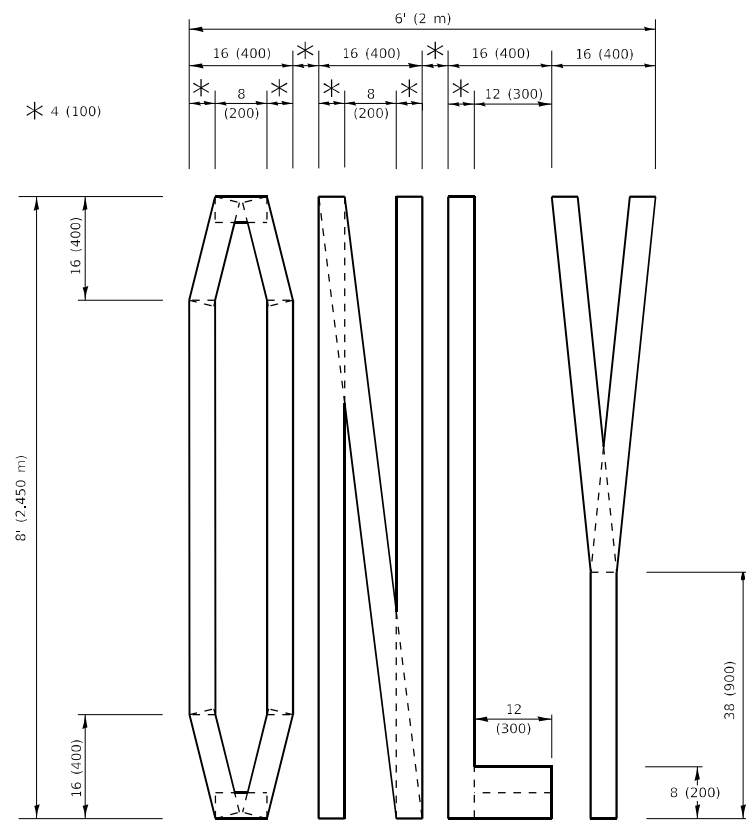
QUANTITY

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



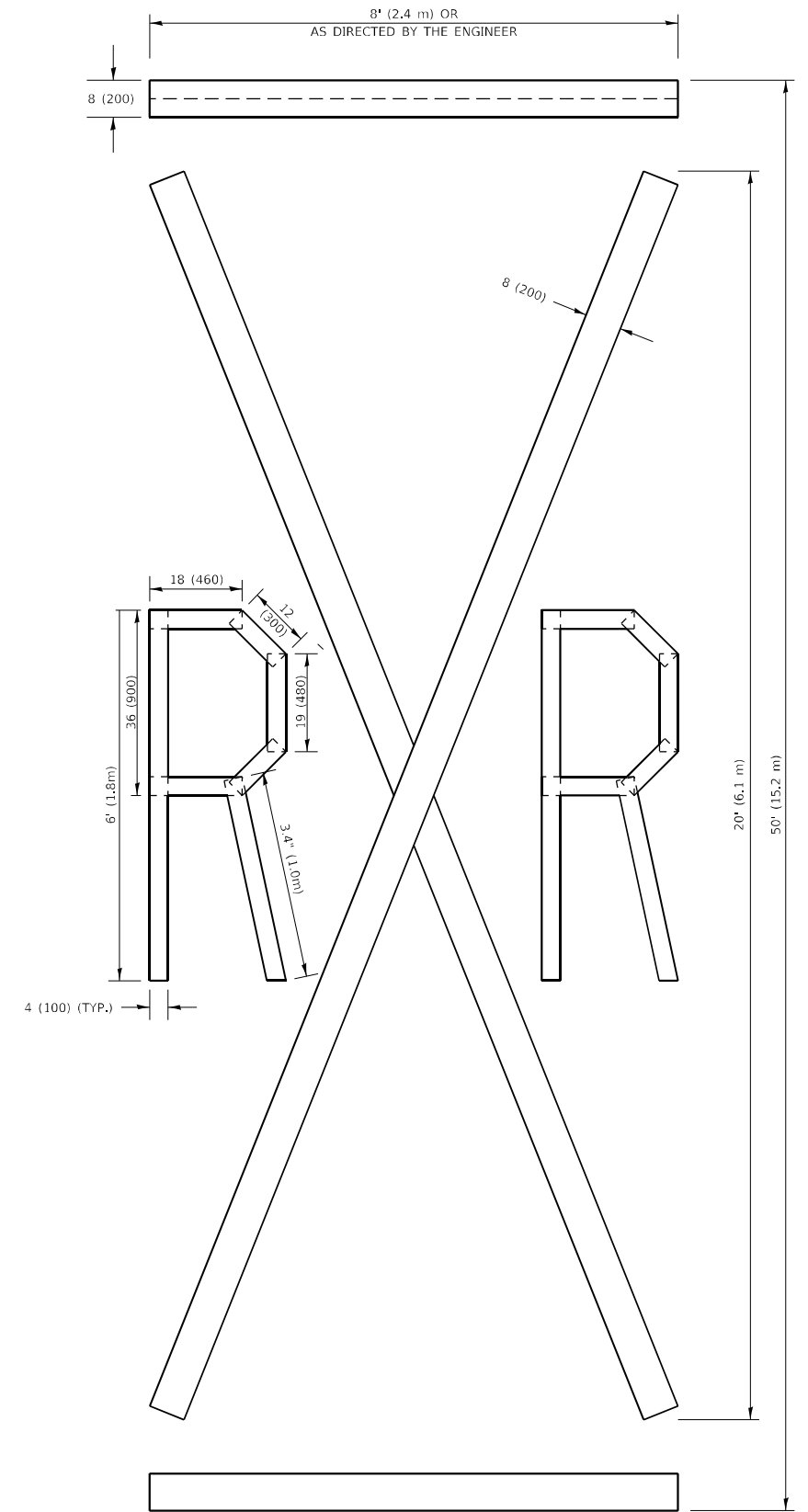
QUANTITY

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



QUANTITY

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



QUANTITY

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

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

MODEL: Default
FILE NAME: p:\ultra-caw-bead-fay.com\PIV\DOT\Documents\DOT Office\District 11\Project\1011272\ICAD\DATA\Design\BdFStEd.dgn

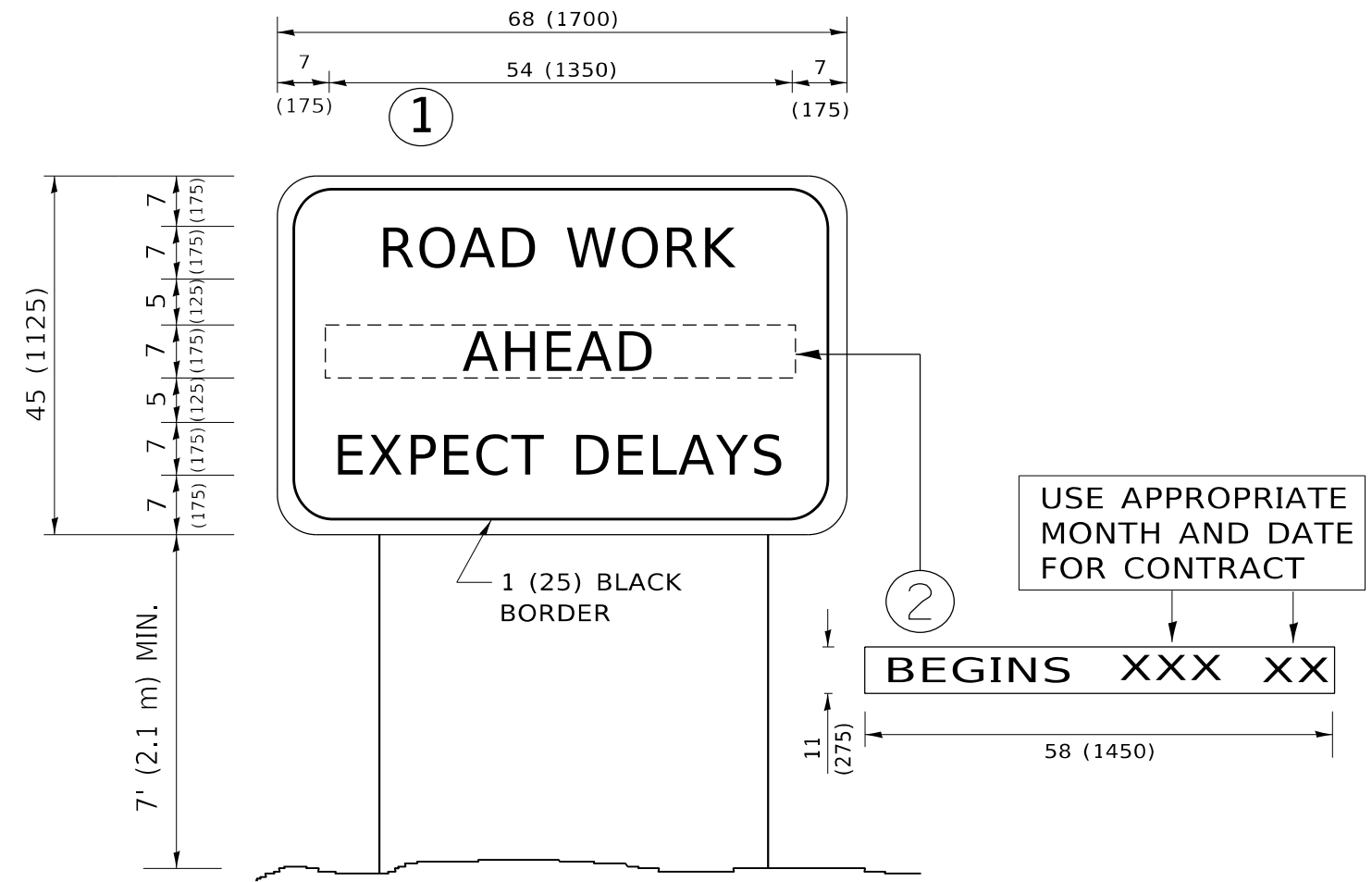
USER NAME = khans	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 2/4/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
1332	2021-018-RS&SW	COOK	36	33
TC-16		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: Default
 FILE: Mainfile.pxd
 Subject: new benchtop.com/PIV/IDOT/Document/IDOT Office/Dir/rdet_1/Project/ID11272/ICAD/Draw/Design/Dir/EST/dgn

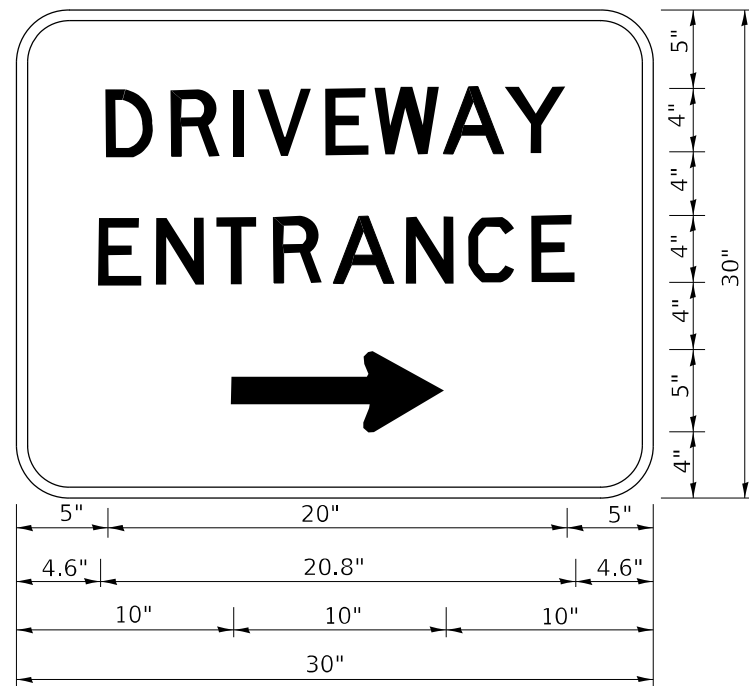
USER NAME = khans	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 2/4/2022	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
1332	2021-018-RS&SW	COOK	36	34
TC-22			CONTRACT NO. 62N77	
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".

MODEL: Default
 FILE NAME: p:\ultra-cw-beadley.com\PI\DOT\Documents\DOT Office\Dir\drt. 1\Project\11272\ICAD\data\Design\BdFSt.dgn

USER NAME = khans	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

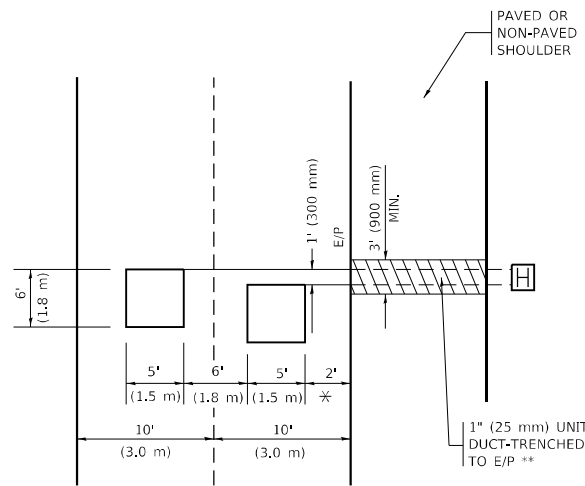
DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	35
TC-26		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

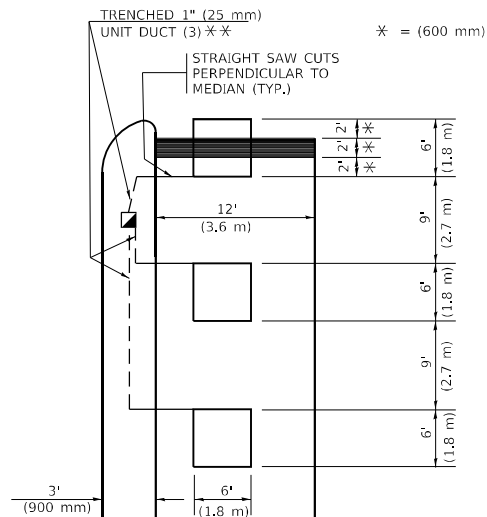


* = (600 mm)

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

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

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

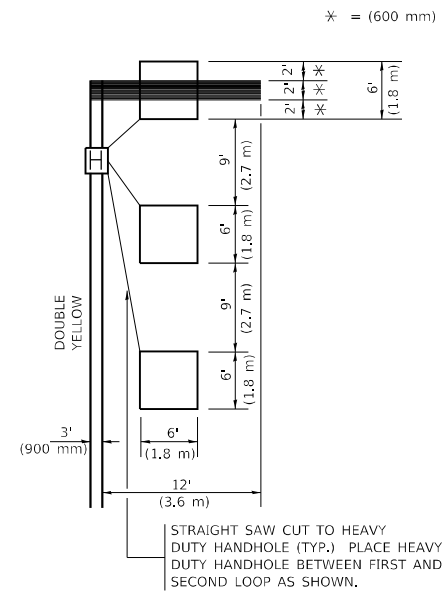


* = (600 mm)

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

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

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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



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

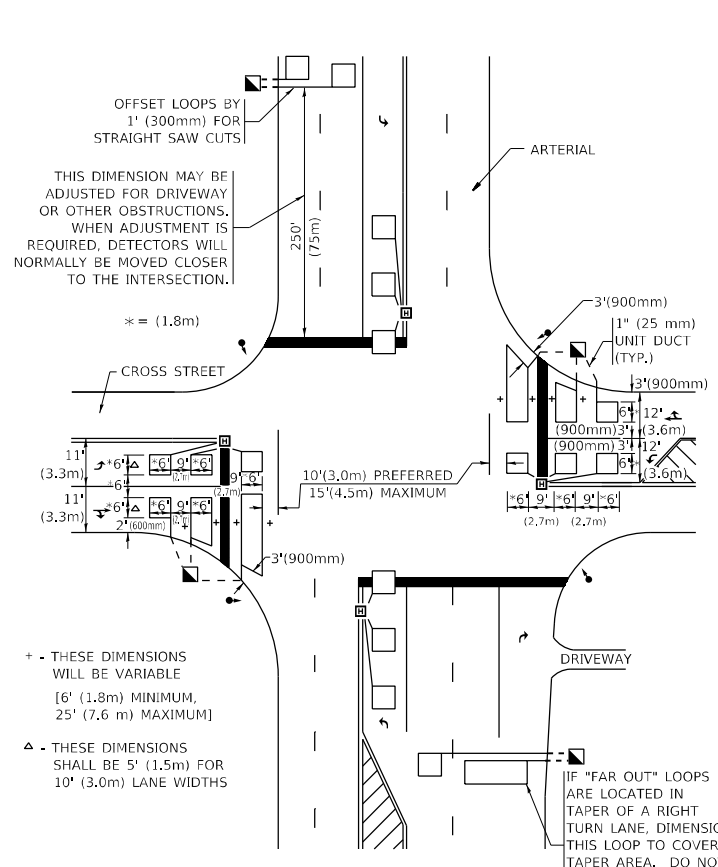
LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

[TYP.-12' (3.6m) LANES]
 250' (75m) [TYP.-ALL LEGS-VOLUME DENSITY ("FAR OUT" DETECTION)]
 DRIVEWAY
 OFF SET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS.

DETAIL 1
 N.T.S.

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



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS
 THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
 Δ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

USER NAME = khans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 2/4/2022	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2021-018-RS&SW	COOK	36	36
TS-07		CONTRACT NO. 62N77		
ILLINOIS FED. AID PROJECT				

MODEL Default
 FILE NAME: p:\project-aw-beadefy.com\p\INDOT\Documents\DOT Offsets\Dist1 - District 1\CD\DATA\Design\Dist1\Dist1.dgn
 PROJECT ID: 112721
 PROJECT: DISTRICT 1