

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-1	COOK	36	1
		ILLINOIS	CONTRACT NO. 62C52	

* 36 + 20 = 56

D-91-359-16

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF HOMEWOOD AND FLOSSMOOR AND THE CITY OF CHICAGO HEIGHTS

PROPOSED HIGHWAY PLANS

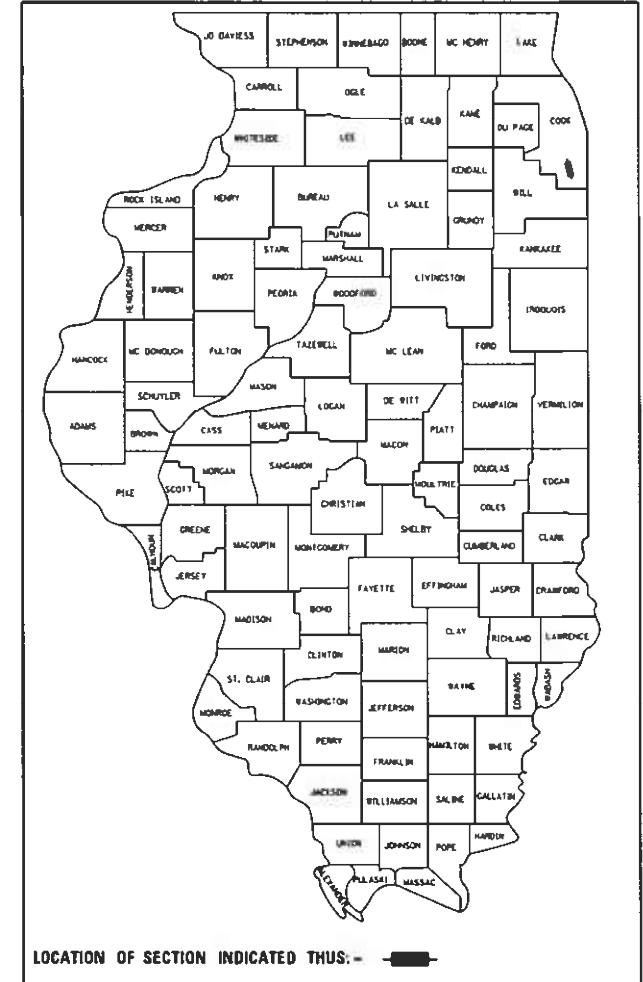
FAU ROUTE 2843: DIXIE HIGHWAY
183rd ST. TO IL 1 (CHICAGO RD)
SECTION: 3249-RS-3

PROJECT: STP-GMQ4(810)
DESIGNED OVERLAY, ADA IMPROVEMENTS

COOK COUNTY
C-91-359-16

TRAFFIC DATA:

2018 ADT - 6550 TO 13300
SPEED LIMIT - 25 TO 40 MPH

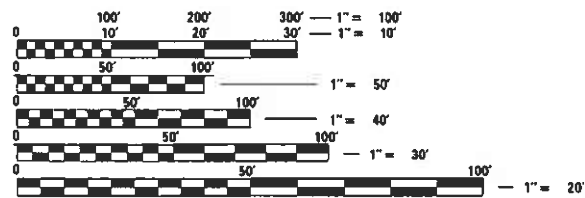


PROJECT ENDS
STA. 198 + 89



RESURFACING OMISSION:
BUTTERFIELD CREEK BRIDGE
STA. 137 + 78 TO STA. 140 + 04

PROJECT BEGINS
STA. 10 + 40



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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62C52

GROSS LENGTH = 18,849 FEET = 3.57 MILES
NET LENGTH = 18,344 FEET = 3.53 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: DECEMBER 9, 2020

Anty J. Quigley REGION ENGINEER
January 29, 2021

Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
January 29, 2021

Samuel J. ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION
13

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OF THE STATE OF ILLINOIS

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2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
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7-8	EXISTING AND PROPOSED TYPICAL SECTIONS
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17-24	DETECTOR LOOP PLANS
25A-25T	ADA CURB RAMP DETAILS
26	DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING (BD-08)
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28	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
29	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
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32	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
33	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
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35	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
36	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS	
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
604001-05	FRAME AND LIDS, TYPE 1
604086-05	FRAME AND GRATE, TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
725001-01	OBJECT AND TERMINAL MARKERS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

- GENERAL NOTES:**
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
 - 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.
 - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGES OF HOMEWOOD AND FLOSSMOOR AND THE CITY OF CHICAGO HEIGHTS.
 - THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
 - 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.
 - 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.
 - ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
 - FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT IN PART OF THIS CONTRACT.
 - BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (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.
 - 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 MACHINE IS SLOPED A MINIMUM (1:3).
 - THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL CENTER AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
 - PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)
 - THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT PATRICE.HARRIS@ILLINOIS.GOV
 - THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
 - EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING
 - VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME
 - THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE A WALK THROUGH TO DETERMINE TREES FOR PRUNING, ROOT PRUNING, REMOVAL, AND PROTECTION AT LEAST 7 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.
 - FERTILIZER NUTRIENTS WILL NOT BE NECESSARY NOR USED ON THIS PROJECT.

REV-SEP

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES FAU 2843 (DIXIE HWY.)-183rd ST. TO IL 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\plenroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0135916\Drawings\Design\0135916-sht-plen.dgn		CHECKED -	REVISED -			2843	3249-RS-3	COOK	36	2	
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -			CONTRACT NO. 62C52					
PLOT DATE = 1/21/2021						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	175	175				
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	250	250				
20200100	EARTH EXCAVATION	CU YD	55	55				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	667	667				
* 25000210	SEEDING, CLASS 2A	ACRE	1	1				
* 25000750	MOWING	ACRE	4	4				
* 25100125	MULCH, METHOD 3	ACRE	1	1				
* 25200110	SODDING, SALT TOLERANT	SO YD	667	667				
25200200	SUPPLEMENTAL WATERING	UNIT	7	7				
28100105	STONE RIPRAP, CLASS A3	SO YD	185	185				
28200200	FILTER FABRIC	SO YD	185	185				
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	380	380				
35501318	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SO YD	380	380				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	72020	72020				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	153	153				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	828	828				
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	11196	11196				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	9975	9975				
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	747	747				
42001300	PROTECTIVE COAT	SO YD	736	736				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5775	5775				
42400800	DETECTABLE WARNINGS	SO FT	644	644				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	7614	7614				
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	101716	101716				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	15	15				
44000600	SIDEWALK REMOVAL	SO FT	5685	5685				
44003100	MEDIAN REMOVAL	SO FT	3415	3415				

REV-SEP

* SPECIALTY ITEMS

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C52	

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

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			
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	2072	2072						63200310	GUARDRAIL REMOVAL	FOOT	550	550				
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	938	938					*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	55	55				
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	5910	5910					*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	727	727					*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	20	20					*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	4	4					*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	10	10						67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	20	20						67100100	MOBILIZATION	L SUM	1	1				
60404900	FRAMES AND GRATES, TYPE 12	EACH	6	6						70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
60404940	FRAMES AND GRATES, TYPE 23	EACH	2	2						70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
60404950	FRAMES AND GRATES, TYPE 24	EACH	4	4						70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2						70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2														
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	450	450														
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2														

REV-SEP

* SPECIALTY ITEMS

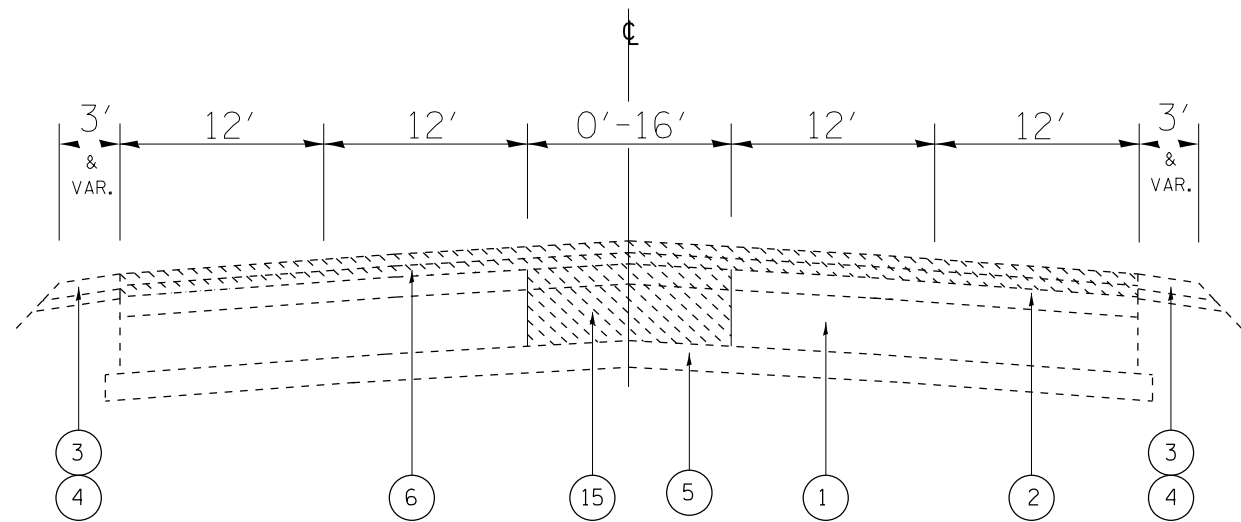
SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					*	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005					CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	420	420					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13568	13568				*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	682	682					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	2261	2261				*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	699	699					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	474	474				*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2400	2400					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	65720	65720				*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2728	2728				*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1784	1784					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	420	420				*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	682	682				*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	2448	2448					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	699	699				*	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	15	15					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	70250	70250				*	89502376	REBUILD EXISTING HANDHOLE	EACH	5	5					
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4				*	K0026700	TREE CARE	EACH	5	5					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	474	474				*	X0100018	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	70	70					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	65720	65720				*	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1			REV-SEP		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2728	2728				*								* SPECIALTY ITEMS		

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		DATE -	REVISED -

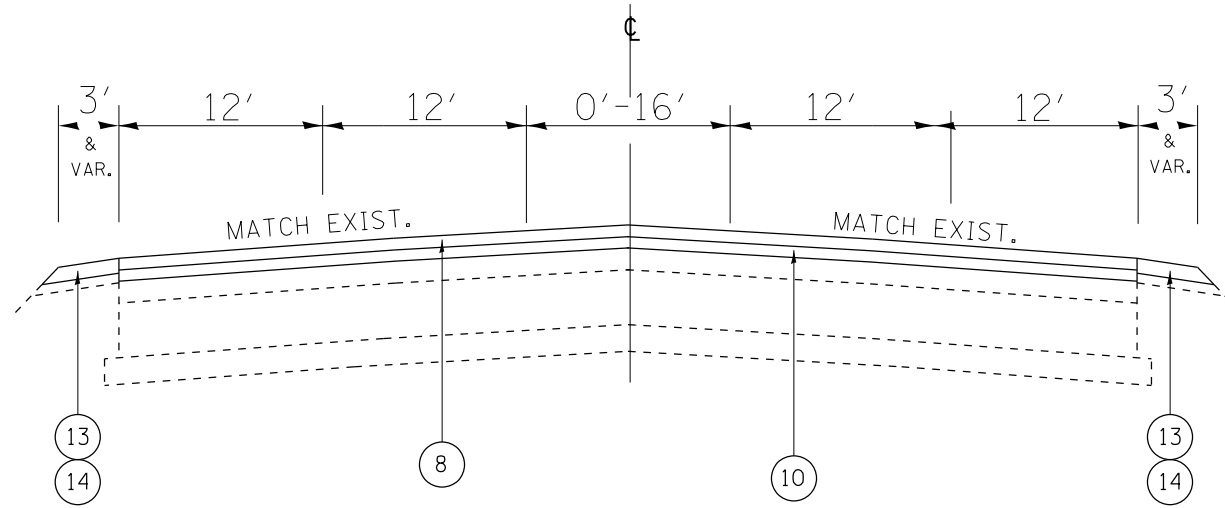
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)**

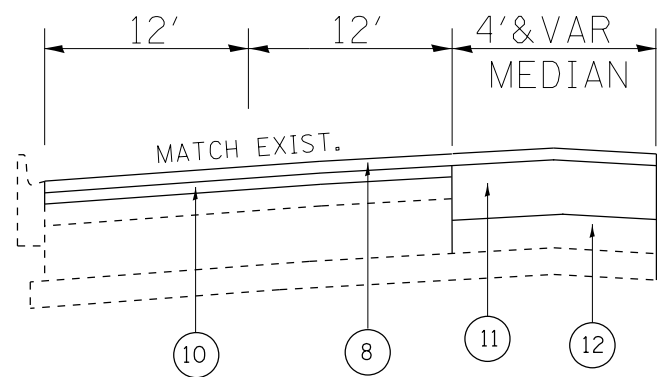
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	5
CONTRACT NO. 62C52				
SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION (DIXIE HIGHWAY)
 STA. 10+40 TO 53+27
 STA. 56+18 TO 199+14



PROPOSED TYPICAL SECTION (DIXIE HIGHWAY)
 STA. 10+40 TO 53+27
 STA. 56+18 TO 199+14



PROPOSED TYPICAL SECTION (PAVEMENT WIDENING)
 STA. 51+50 TO 52+90
 STA. 56+14 TO 58+50

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE QUANTITIES IS 112 LBS./SQ. YD./ IN.

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

THE PATCHING SHALL BE DONE PRIOR TO MILLING

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

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

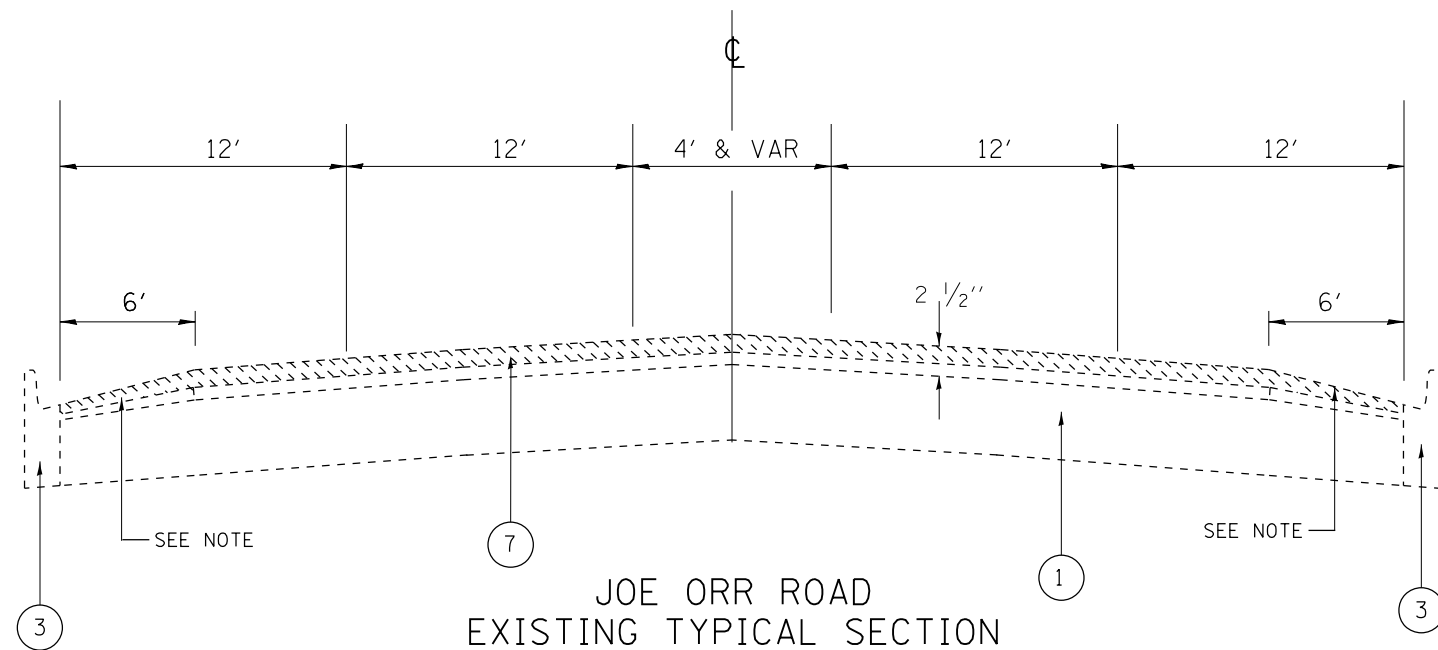
THE LONGITUDINAL JOINT SEALANT SHALL BE PLACE OVER THE HMA BINDER COURSE

LEGEND:

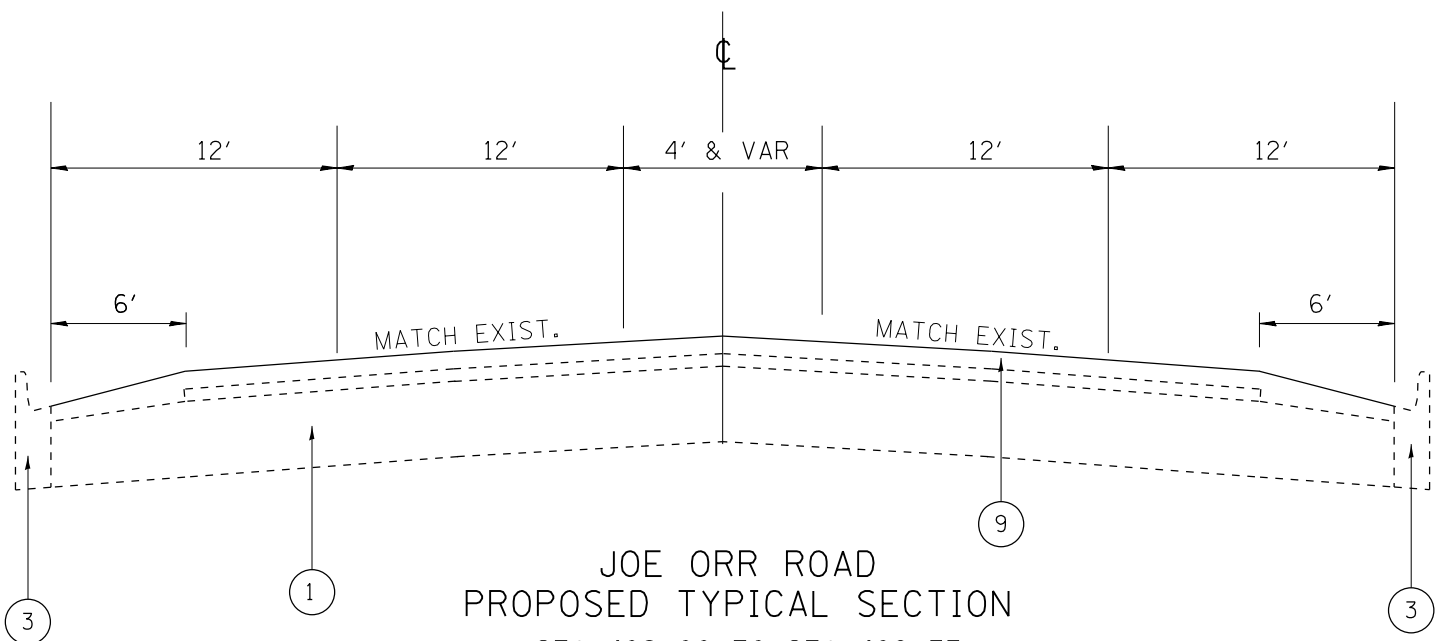
- ① EXISTING P.C.C. PAVEMENT ±7"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±6 1/2" (AFTER MILLING)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING STABILIZED SUB-BASE
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- ⑩ PROPOSED HMA BINDER COURSE, IL-9.5, N70, 2"
- ⑪ PROPOSED HMA BASE COURSE, 8 1/2"
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 6"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED MEDIAN REMOVAL, 16 1/4" (STA 51+50 TO STA 52+90)
 (STA 56+14 TO STA 58+50)

MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
PATCHING		
CLASS "D" PATCHES (HMA BINDER COURSE, IL-19MM)	4% @ 70 GYR.	OC / OA
TEMPORARY RAMP		
HMA BINDER COURSE, IL-9.5, N70 (VAR DEPTH)	4% @ 70 GYR.	OC / OA
PAVEMENT RESURFACING		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"	4% @ 70 GYR.	PPF
POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"	4% @ 70 GYR.	OC/OA
HMA BINDER COURSE, IL-9.5, N70, 2"	4% @ 70 GYR.	OC/P
PAVEMENT WIDENING		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"	4% @ 70 GYR.	PPF
HMA BASE COURSE, 8 1/2" (HMA BINDER IL-19.0)	4% @ 70 GYR.	OC/OA
OMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (OCP); QUALITY CONTROL/ QUALITY ASSURANCE (OC/ OA); PAY FOR PERFORMANCE (PPF)		



JOE ORR ROAD
EXISTING TYPICAL SECTION
STA 402+00 TO STA 409+77



JOE ORR ROAD
PROPOSED TYPICAL SECTION
STA 402+00 TO STA 409+77

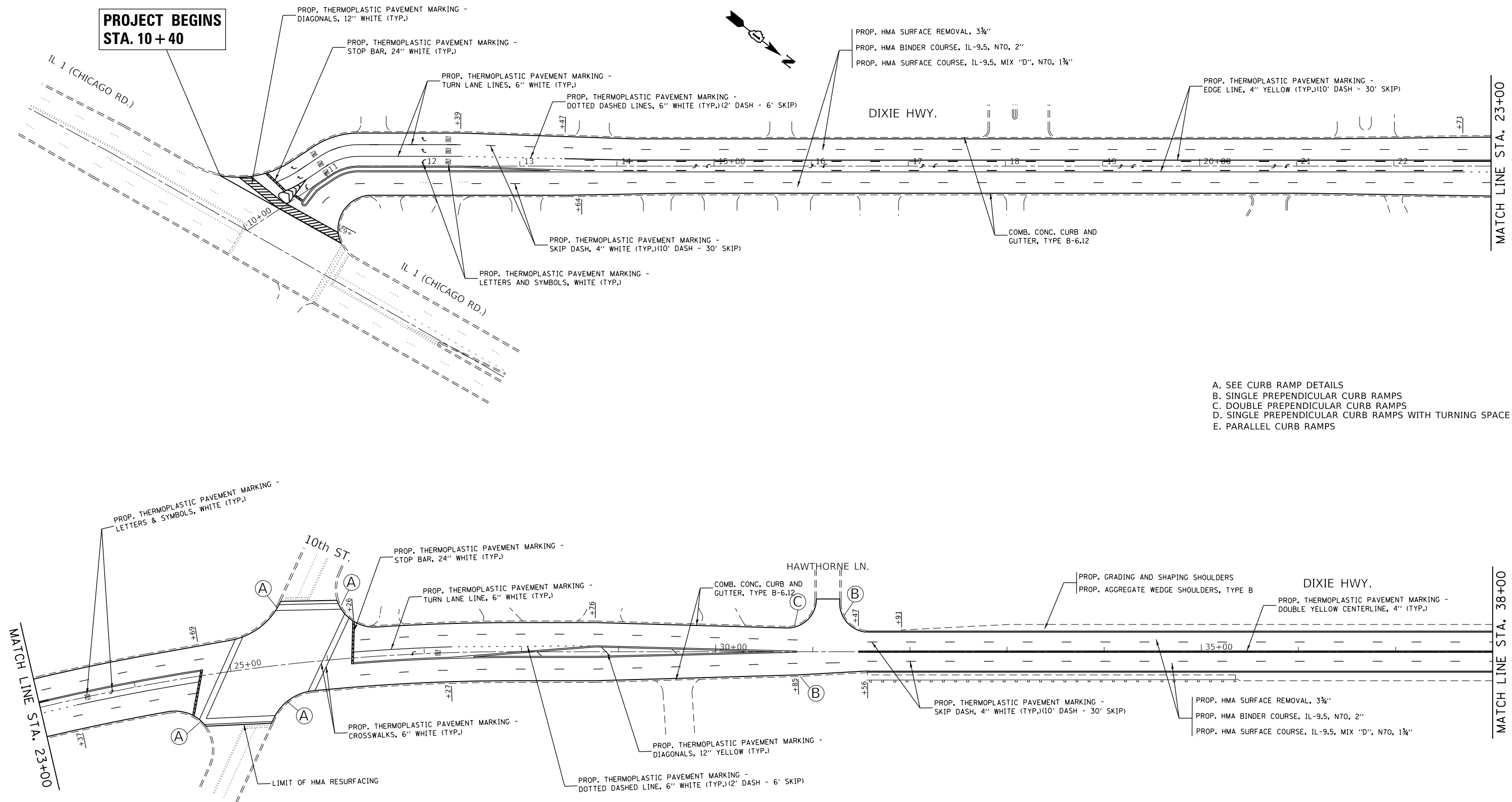
LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±9"
- ② EXISTING HOT-MIX ASPHALT SURFACE, ±4" (AFTER MILLING)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING STABILIZED SUB-BASE
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
- ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- ⑩ PROPOSED HMA BINDER COURSE, IL-9.5, N70, 2"
- ⑪ PROPOSED HMA BASE COURSE, 8 1/2"
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 6"
- ⑬ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROPOSED MEDIAN REMOVAL, 16 1/4" (STA 51+50 TO STA 52+90)
(STA 56+14 TO STA 58+50)

NOTES:

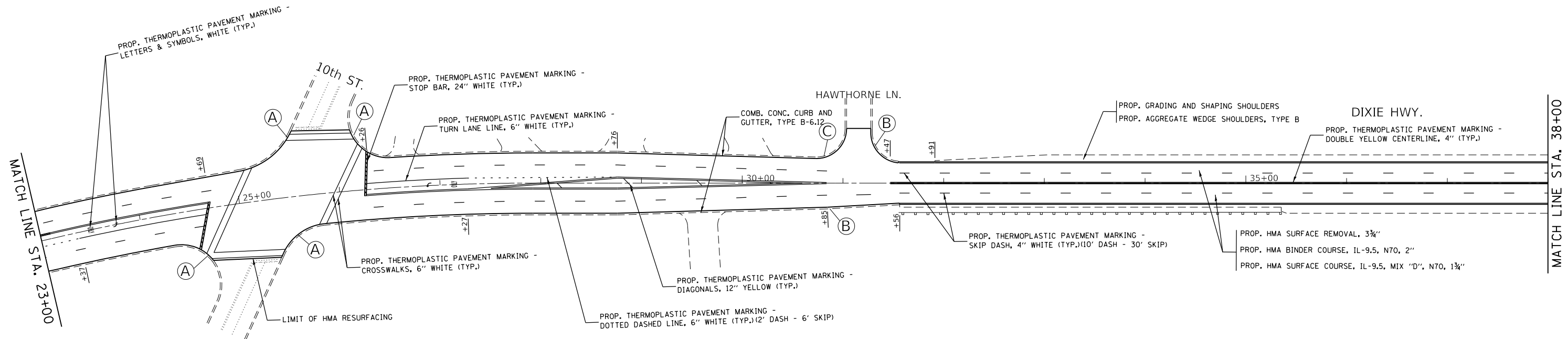
HMA OVERLAY IS ±1 3/4" THICK NEAR EDGE OF GUTTER. PARTIAL DEPTH REMOVAL SHALL BE PAID AS HMA SURF. REMOVAL 1 3/4"

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwt\planroom.dot\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI35916\Drawn\Design\DI35916-sht-plan.dgn		CHECKED -	REVISED -			2843	3249-RS-3	COOK	36	8	
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 62C52					
PLOT DATE = 12/14/2020						ILLINOIS FED. AID PROJECT					

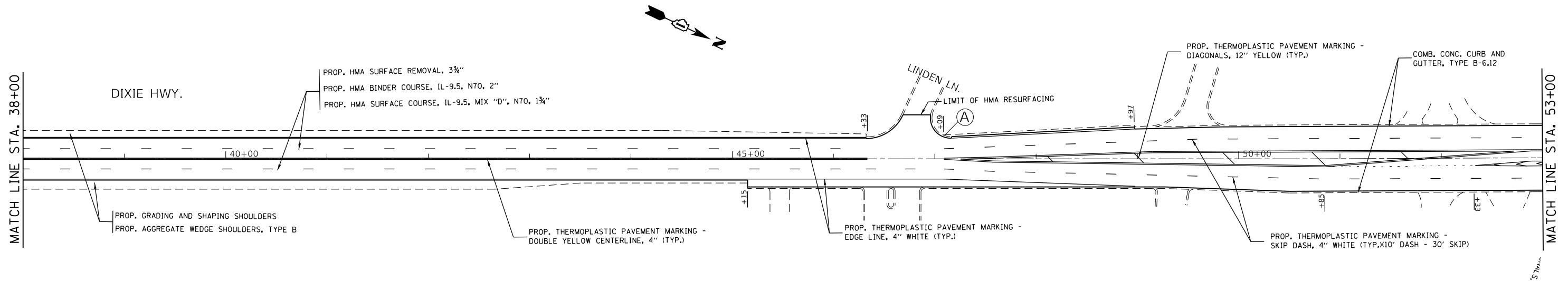


**PROJECT BEGINS
STA. 10+40**

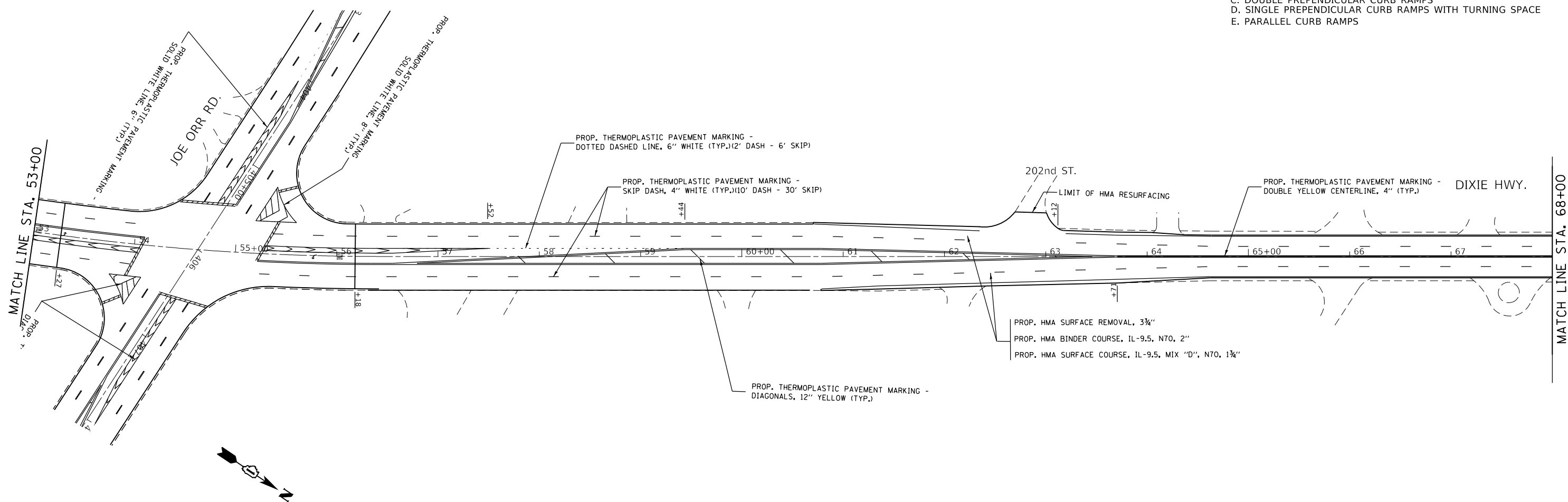
- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMPS
- C. DOUBLE PREPENDICULAR CURB RAMPS
- D. SINGLE PREPENDICULAR CURB RAMPS WITH TURNING SPACE
- E. PARALLEL CURB RAMPS



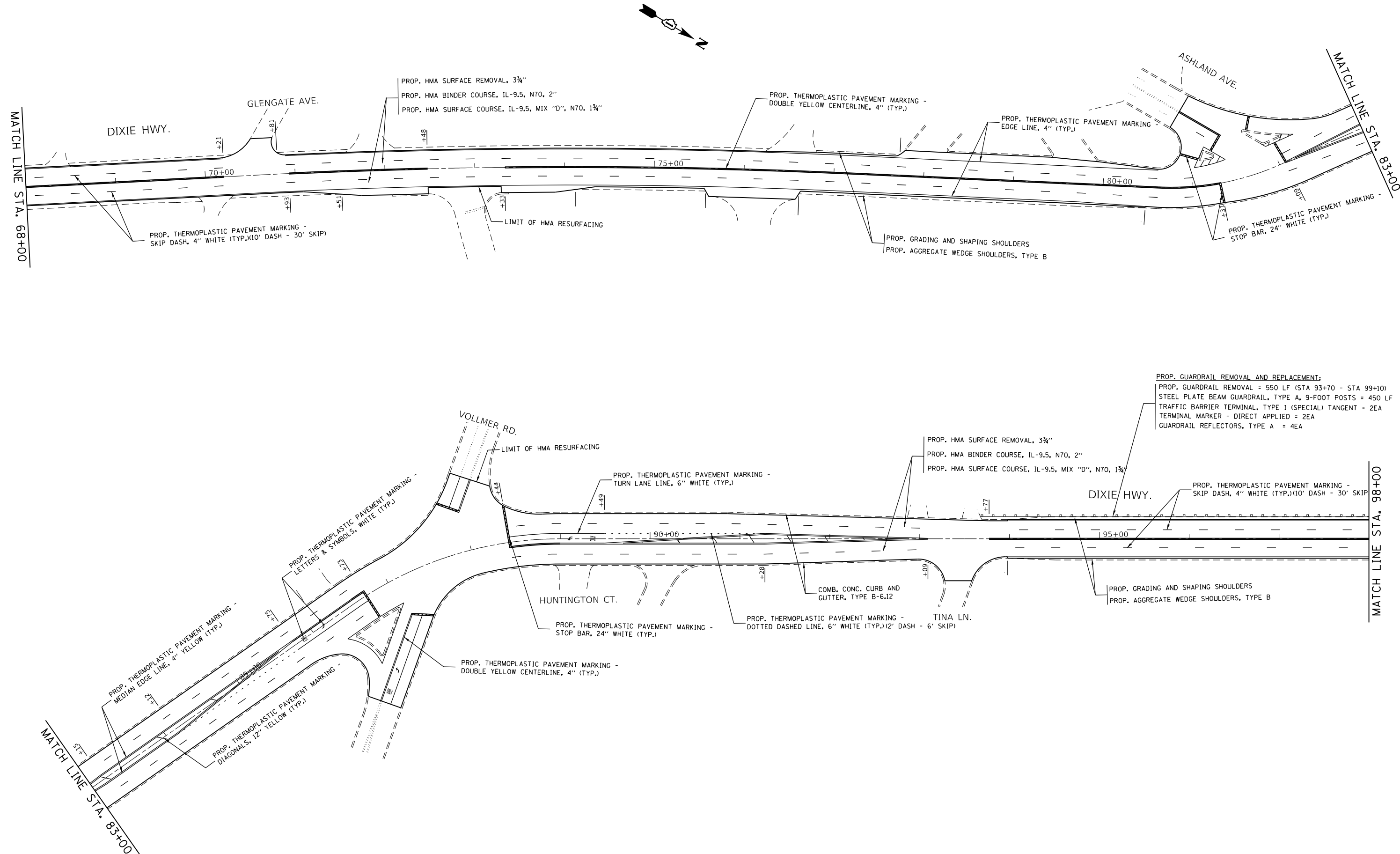
FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN FAU 2843 (DIXIE HWY.)—183rd ST. TO IL. 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			2843	3249-R5-3	COOK	36	9	
		DATE -	REVISED -			CONTRACT NO. 62C52					
						ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMP
- C. DOUBLE PREPENDICULAR CURB RAMP
- D. SINGLE PREPENDICULAR CURB RAMP WITH TURNING SPACE
- E. PARALLEL CURB RAMP



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			2843	3249-R5-3	COOK	36	10	
		DATE -	REVISED -			CONTRACT NO. 62C52					
						ILLINOIS FED. AID PROJECT					



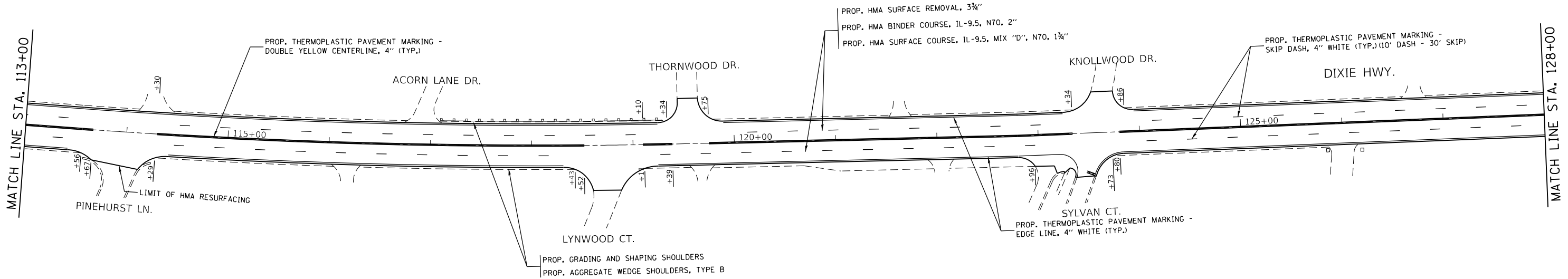
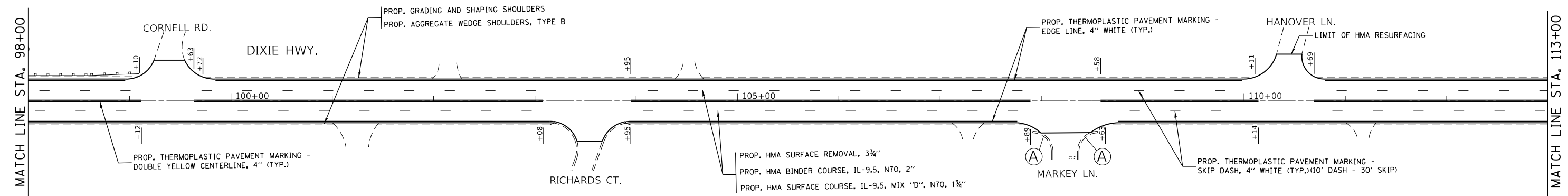
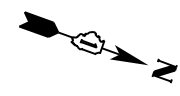
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/14/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-R5-3	COOK	36	11
				CONTRACT NO. 62C52
ILLINOIS FED. AID PROJECT				



- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMPs
- C. DOUBLE PREPENDICULAR CURB RAMPs
- D. SINGLE PREPENDICULAR CURB RAMPs WITH TURNING SPACE
- E. PARALLEL CURB RAMPs

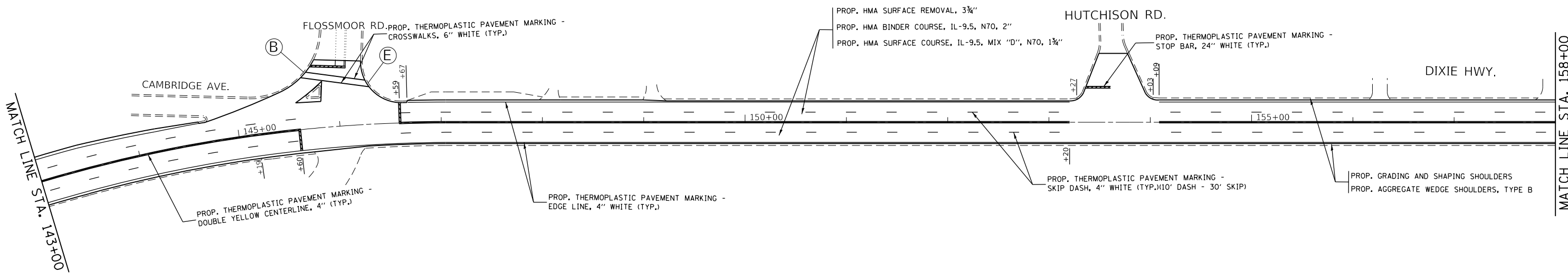
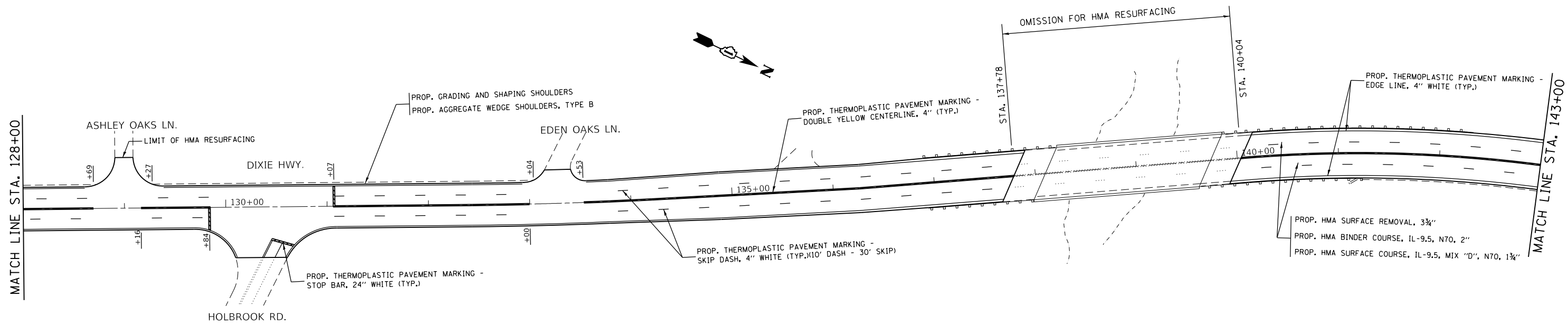
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/14/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	12
			CONTRACT NO. 62C52	
		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMP
- C. DOUBLE PREPENDICULAR CURB RAMP
- D. SINGLE PREPENDICULAR CURB RAMP WITH TURNING SPACE
- E. PARALLEL CURB RAMP

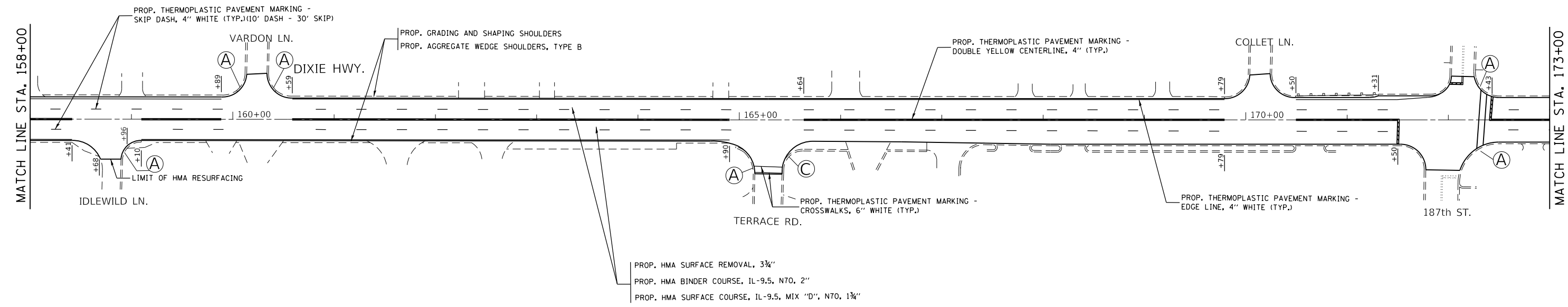
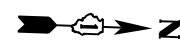
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Default	PLOT DATE = 12/14/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

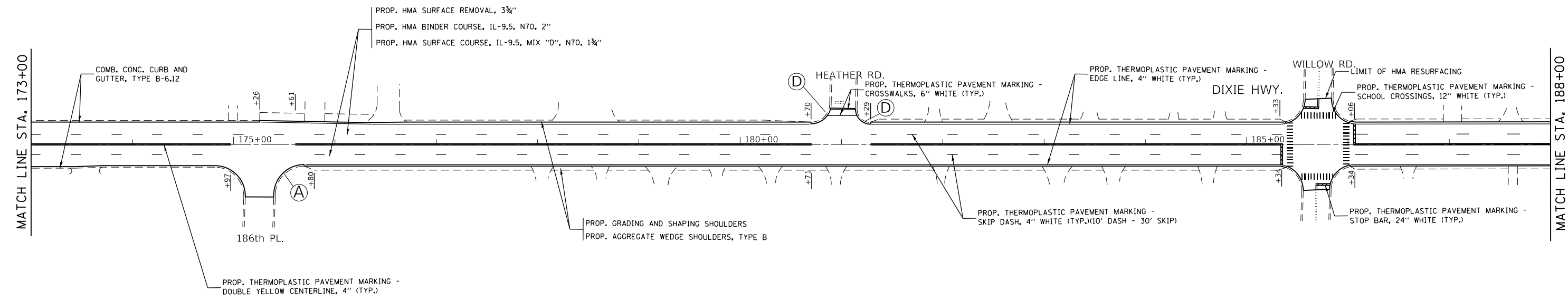
**ROADWAY AND PAVEMENT MARKING PLAN
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-R5-3	COOK	36	13
			CONTRACT NO. 62C52	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



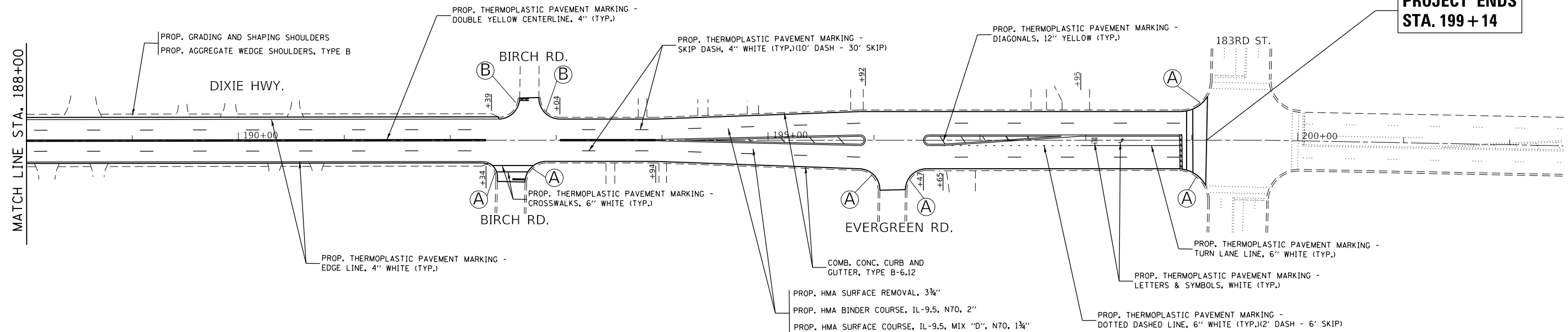
- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMPS
- C. DOUBLE PREPENDICULAR CURB RAMPS
- D. SINGLE PREPENDICULAR CURB RAMPS WITH TURNING SPACE
- E. PARALLEL CURB RAMPS



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
per\\p1enroom.dot.illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI35916\Design\DI35916-shr-plan.dgn		REVISIONS				2843	3249-R5-3	COOK	36	14	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62C52					
	PLOT DATE = 12/14/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

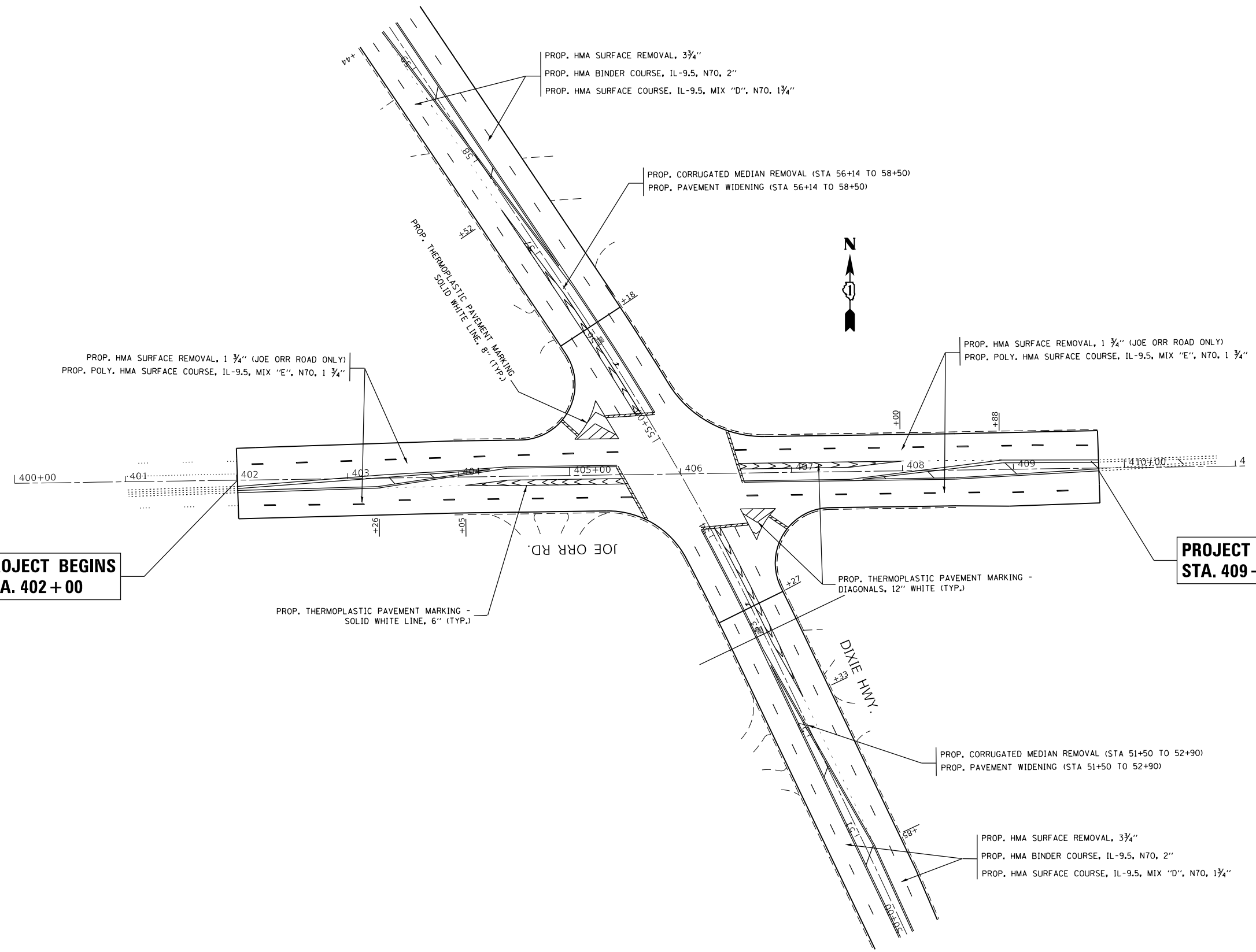


**PROJECT ENDS
STA. 199 + 14**



- A. SEE CURB RAMP DETAILS
- B. SINGLE PREPENDICULAR CURB RAMPS
- C. DOUBLE PREPENDICULAR CURB RAMPS
- D. SINGLE PREPENDICULAR CURB RAMPS WITH TURNING SPACE
- E. PARALLEL CURB RAMPS

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default		CHECKED -	REVISED -			CONTRACT NO. 62C52					
		DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



**PROJECT BEGINS
STA. 402 + 00**

**PROJECT ENDS
STA. 409 + 77**

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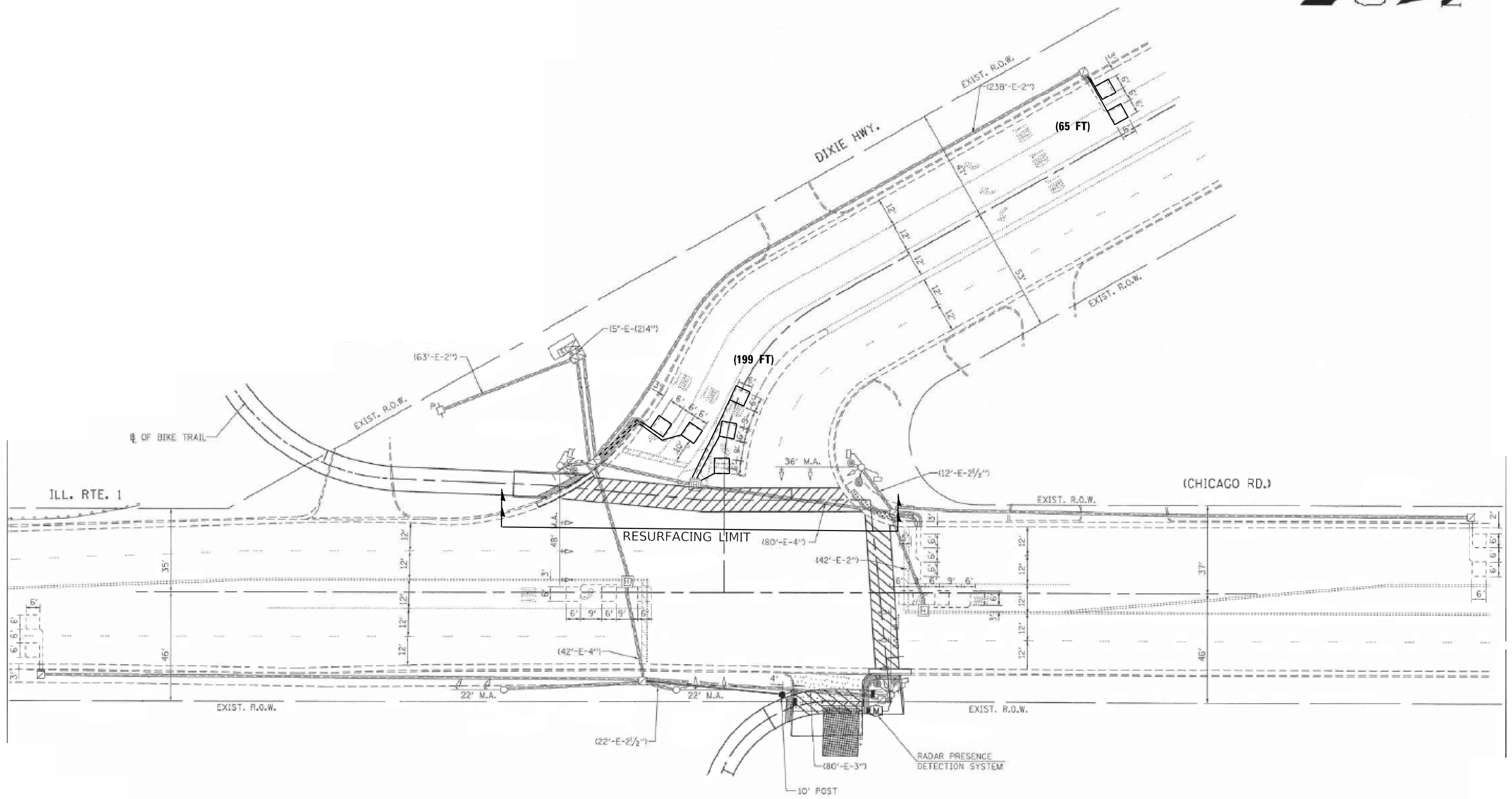
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PLOT DATE = 12/14/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN
FAU 2843 (DIXIE HWY.)—183rd ST. TO IL 1 (CHICAGO RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-R5-3	COOK	36	16
CONTRACT NO. 62C52			ILLINOIS FED. AID PROJECT	



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

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	264	FOOT

MODEL: Default
FILE NAME: C:\Users\mezag\Desktop\Detector Loop\12019-20\62C52 (Dixie Hwy-Cook)CAD.DWG 1.dwg

USER NAME = mezag	DESIGNED - S.N.	REVISED -
	DRAWN - G.M.	REVISED -
PLOT SCALE = 40.0000" / in.	CHECKED - S.N.	REVISED -
PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

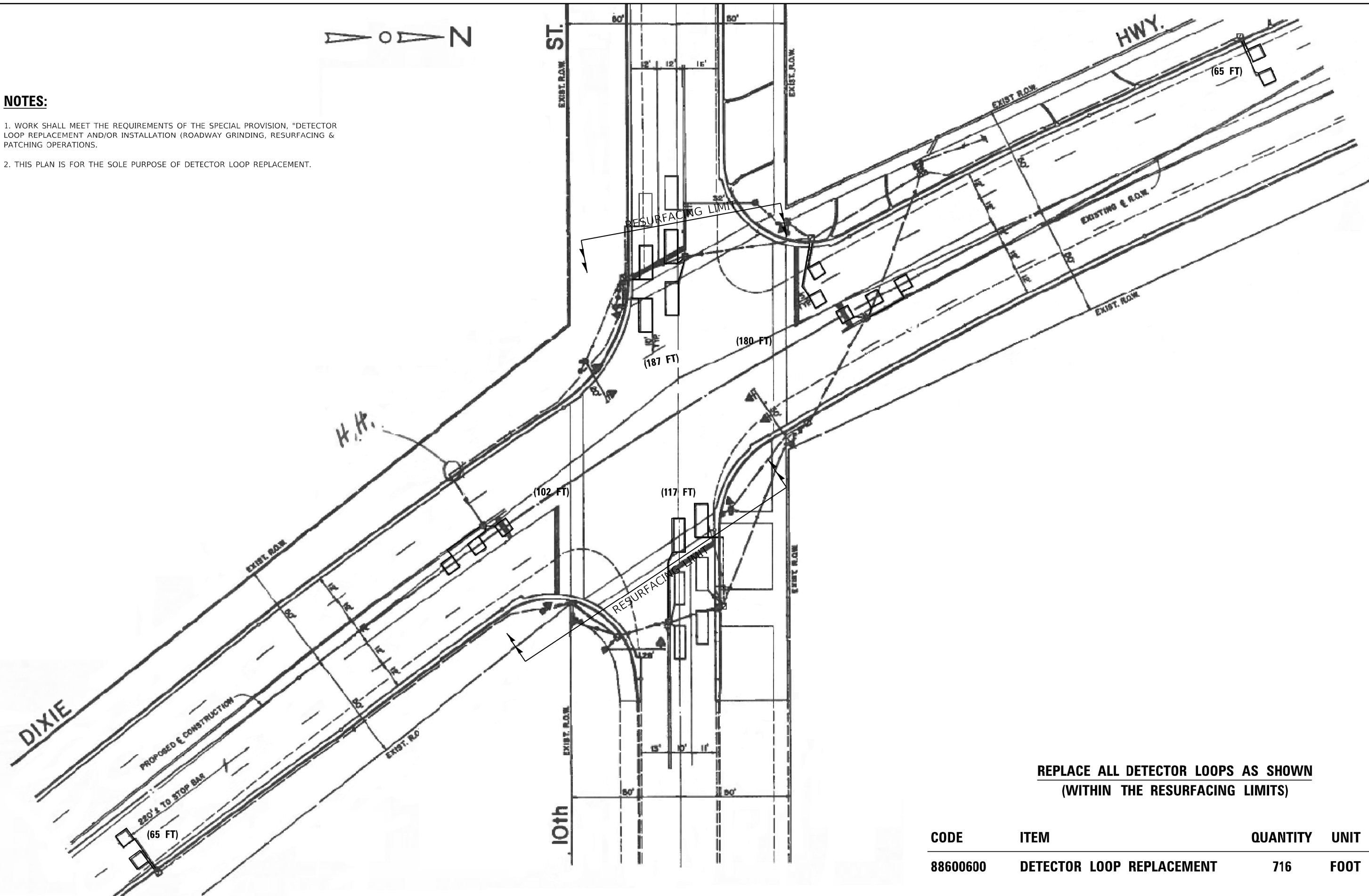
**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT IL 1**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 17
			CONTRACT NO. 62C52	
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	716	FOOT

MODEL: Default
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USER NAME = mezag	DESIGNED - S.N.	REVISED -
	DRAWN - G.M.	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - S.N.	REVISED -
PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

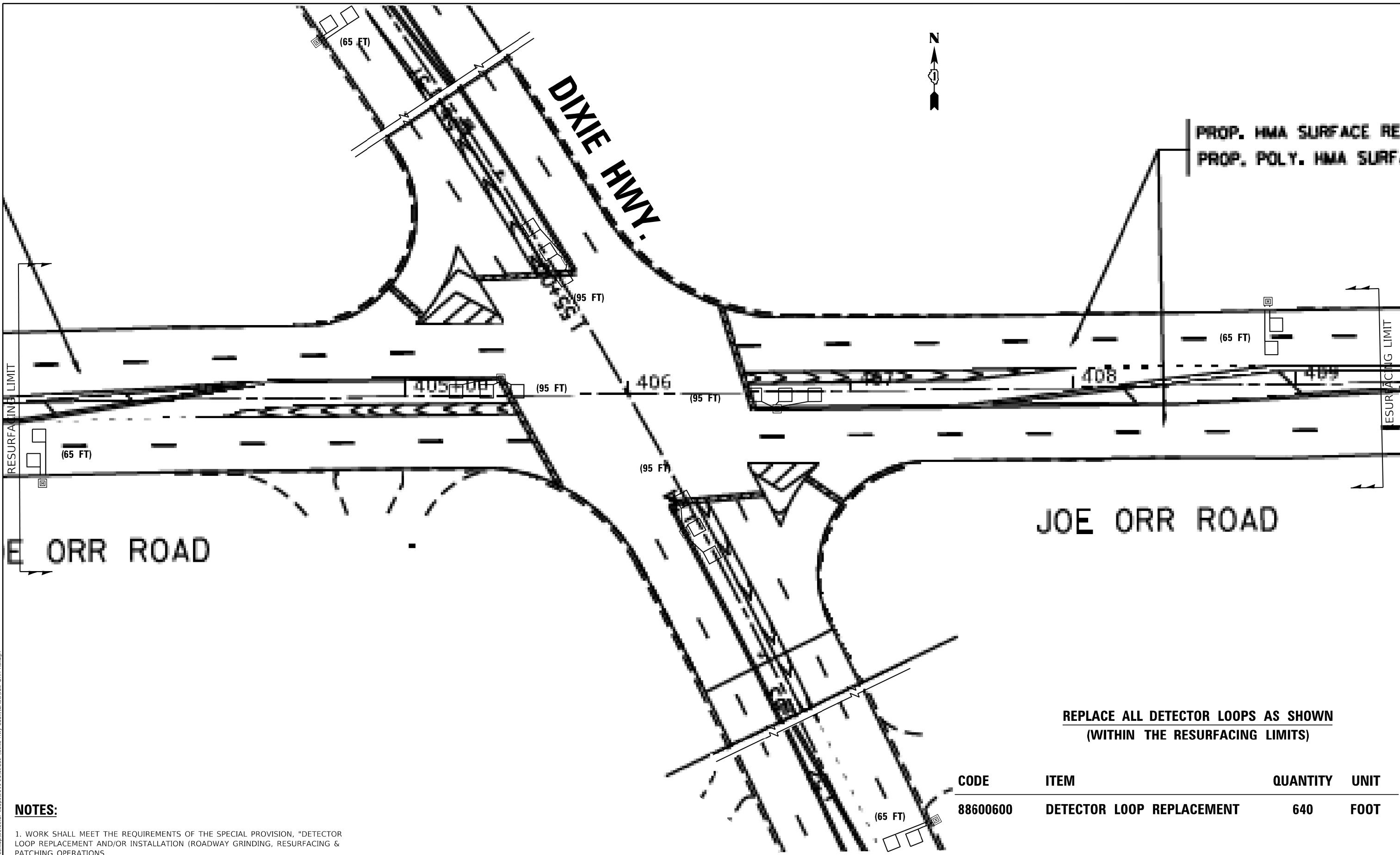
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT 10th St.**

SCALE: 1"=20'

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 18
CONTRACT NO. 62C52			ILLINOIS FED. AID PROJECT	



PROP. HMA SURFACE RE
PROP. POLY. HMA SURF.

DIXIE HWY.

JOE ORR ROAD

E ORR ROAD

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	640	FOOT

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.

MODEL: Default
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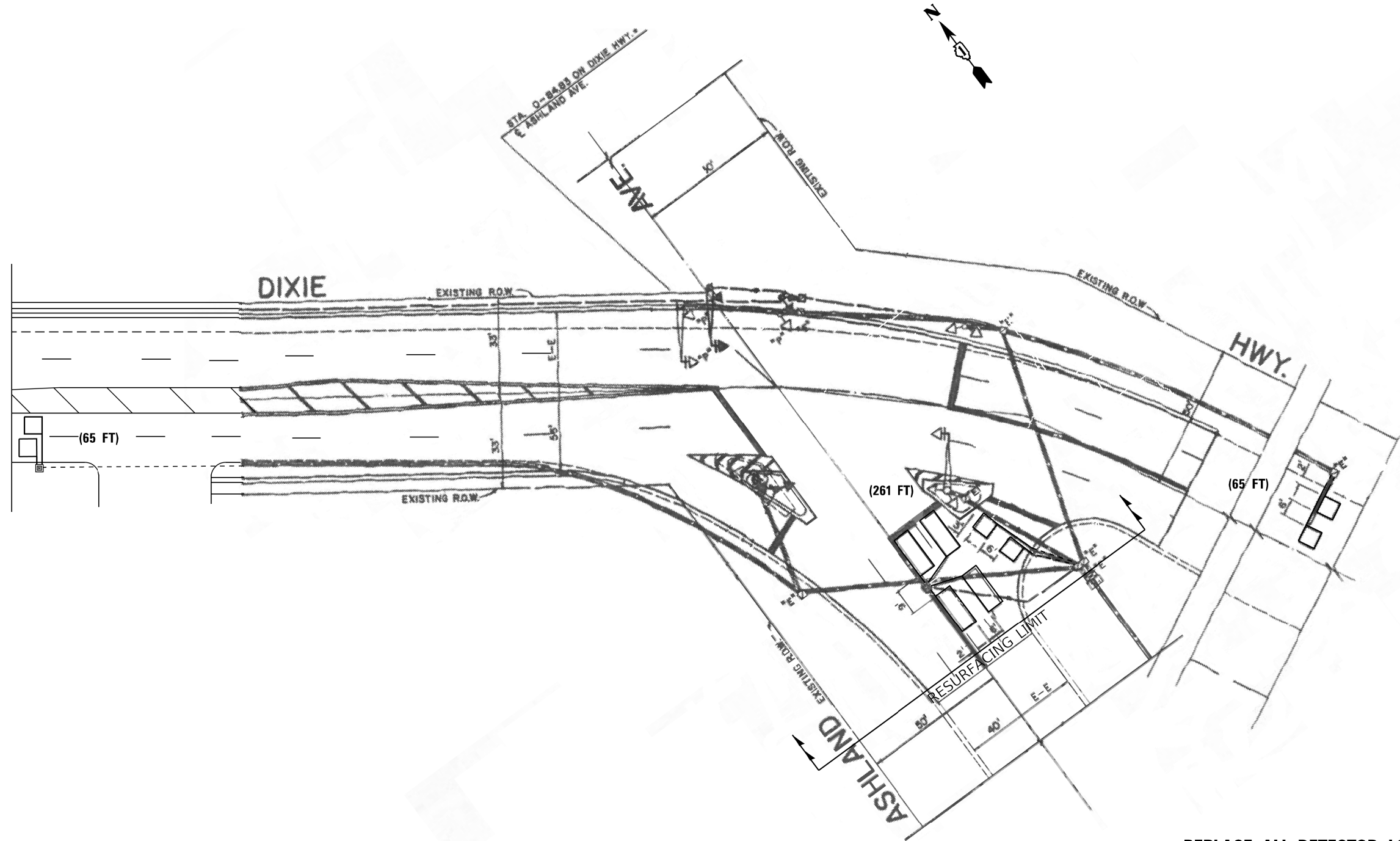
USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED - Steven M. Nguyen 9/11/20
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 9/15/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT JOE ORR RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2843	SECTION 3249-R5-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 19
			CONTRACT NO. 62C52	
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	391	FOOT

MODEL: Default
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USER NAME = mezag	DESIGNED - S.N.	REVISED -
	DRAWN - G.M.	REVISED -
PLOT SCALE = 40.0000" / in.	CHECKED - S.N.	REVISED -
PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

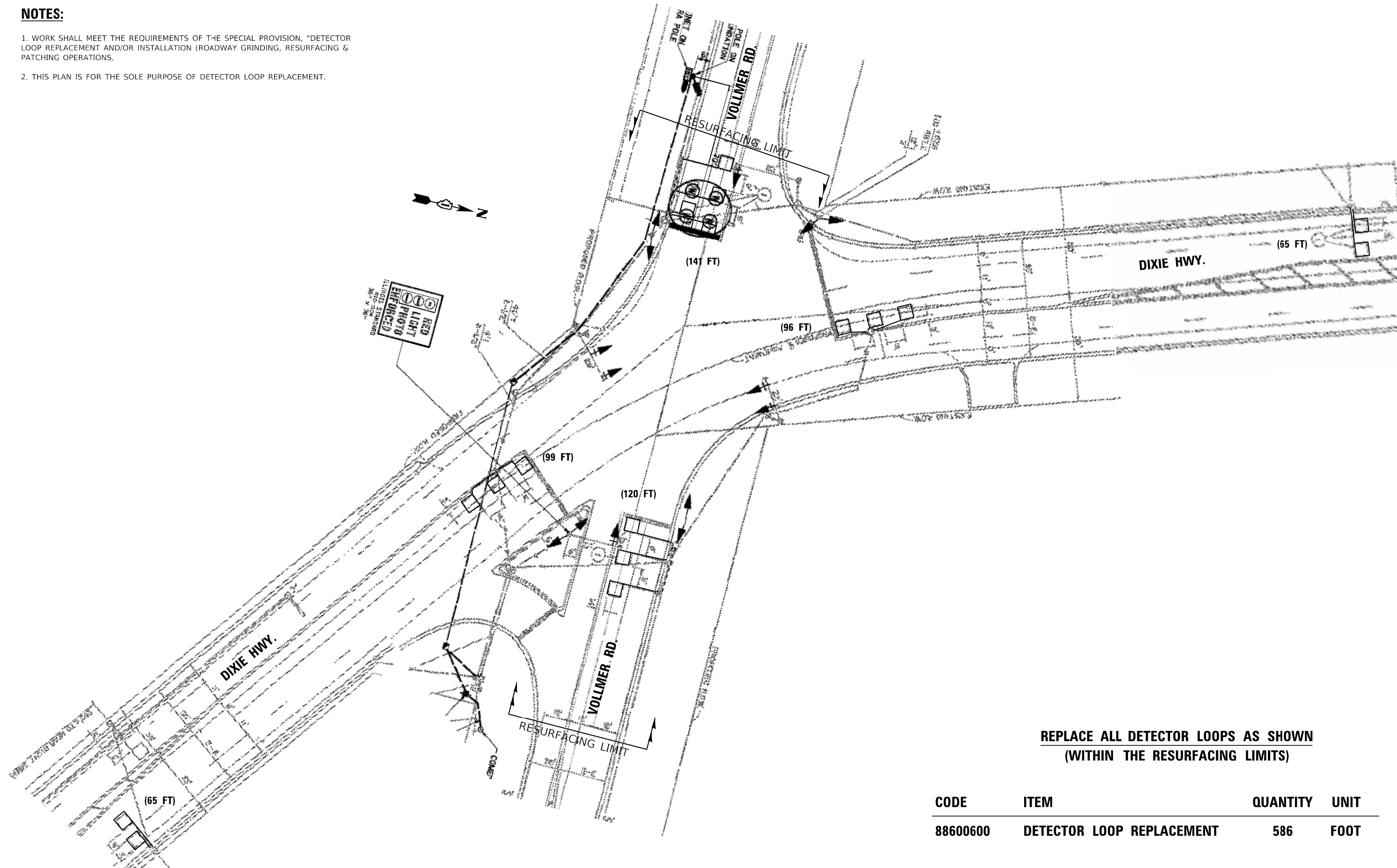
**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT ASHLAND AVE.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 20
				CONTRACT NO. 62C52
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	586	FOOT

MODEL: Default
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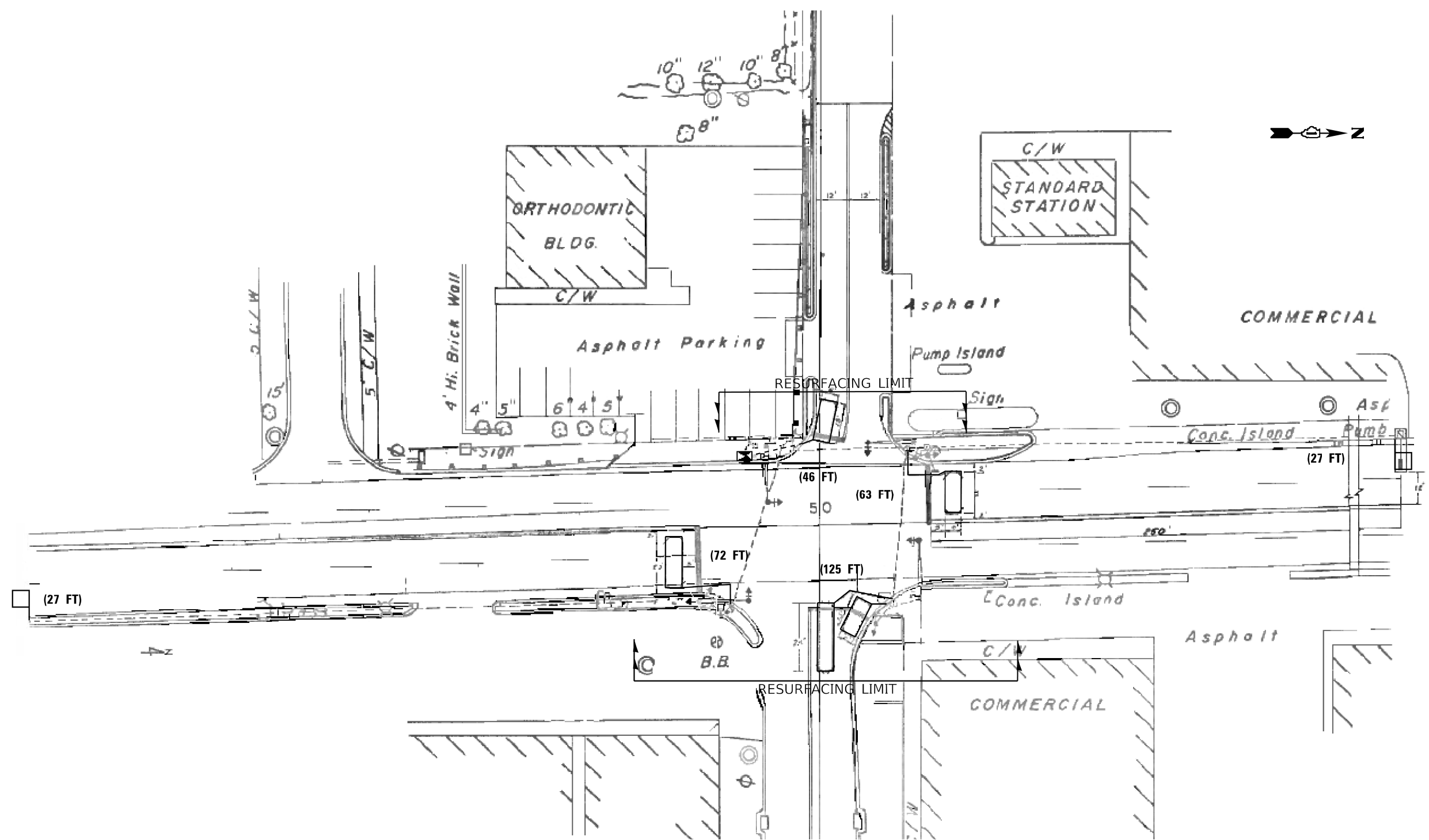
USER NAME = mezag	DESIGNED - S.N.	REVISED -
	DRAWN - G.M.	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - S.N.	REVISED -
PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT VOLLMER RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 21
				CONTRACT NO. 62C52
ILLINOIS FED. AID PROJECT				



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

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	360	FOOT

MODEL: Default
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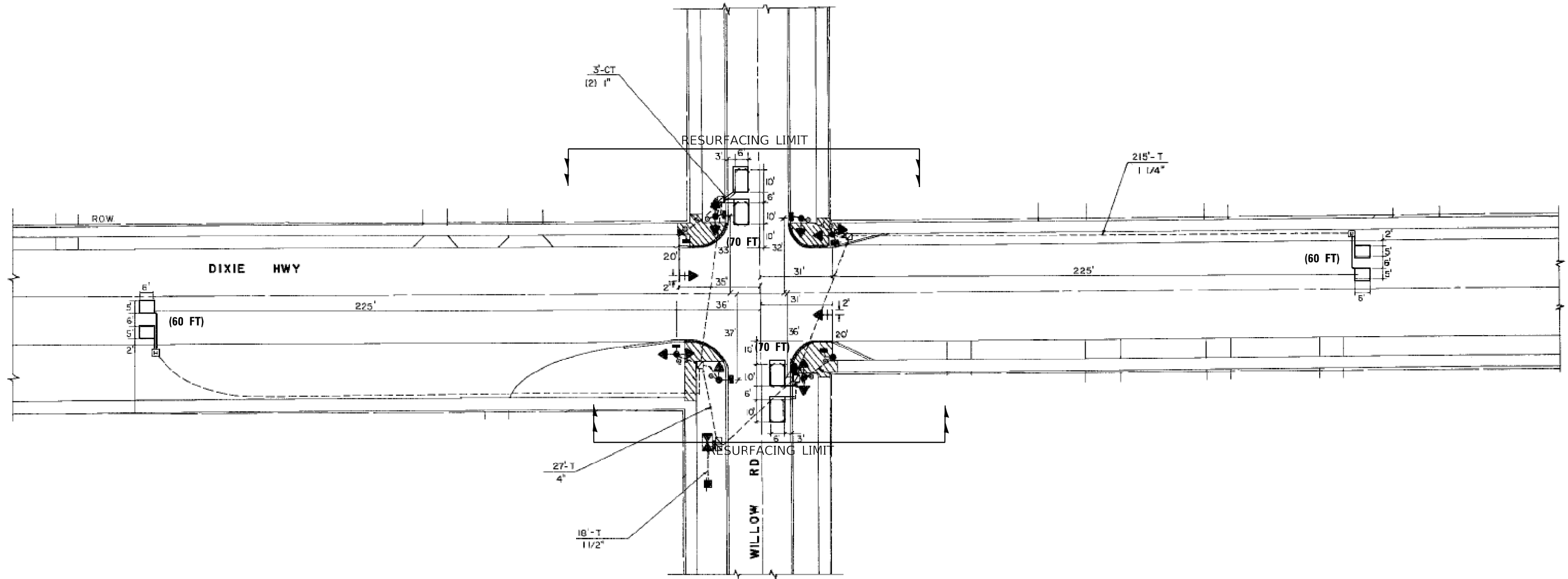
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	DRAWN - G.M.	REVISED -
PLOT SCALE = 40.0000" / in.	CHECKED - S.N.	REVISED -
PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT 187th St.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	22
CONTRACT NO. 62C52				
ILLINOIS FED. AID PROJECT				



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

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	260	FOOT

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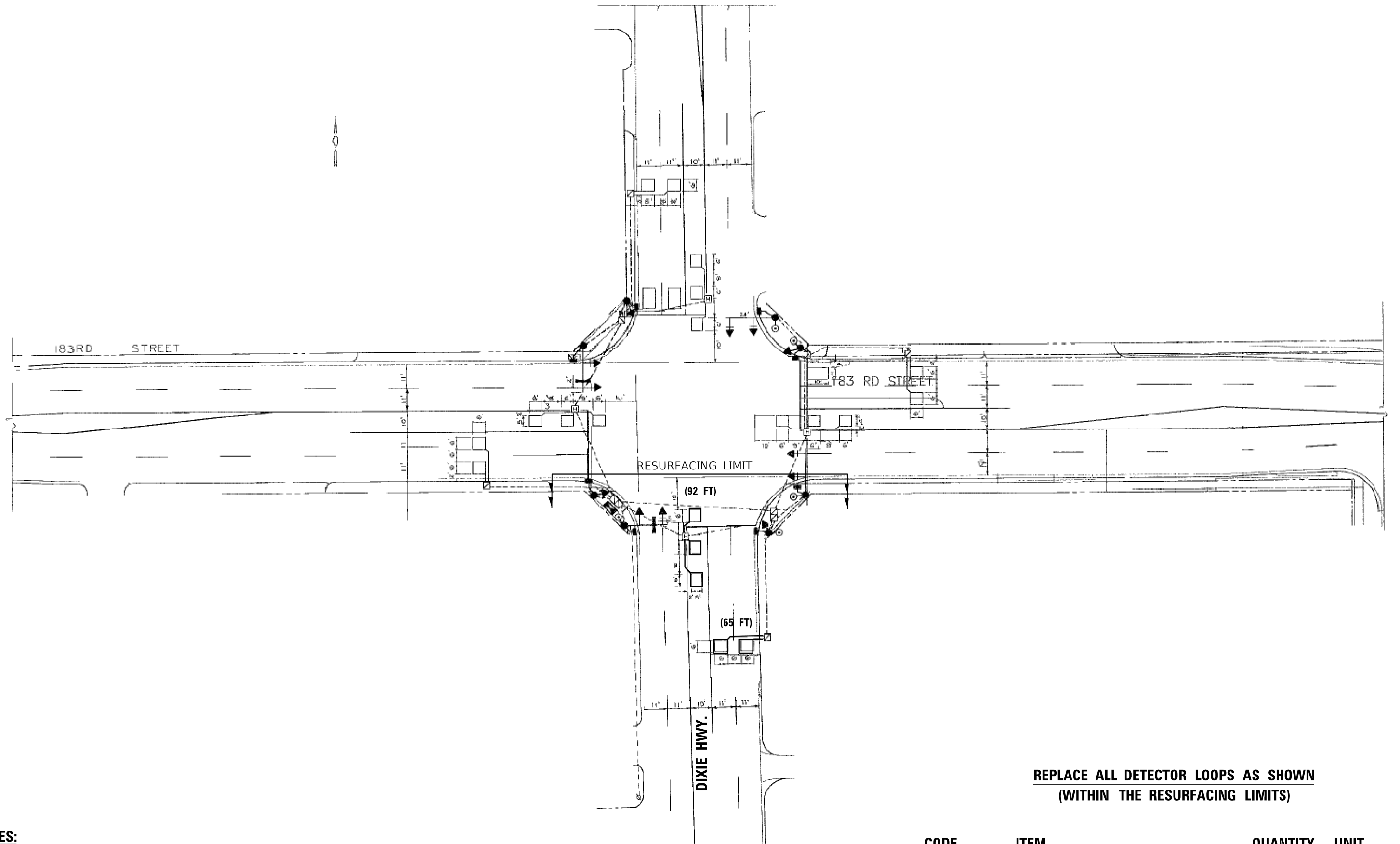
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PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT WILLOW RD.**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	23
			CONTRACT NO. 62C52	
ILLINOIS FED. AID PROJECT				



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	157	FOOT

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.

MODEL: Default
FILE: \\nwr\c\c\user\mezag\Desktop\Detector_Loop\13019-206\CS2 (Dixie Hwy-Cook)\CADD\183rd.dgn

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PLOT DATE = 8/17/2020	DATE - 06/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
FAU 2843 (DIXIE HWY.) AT 183rd. ST.**

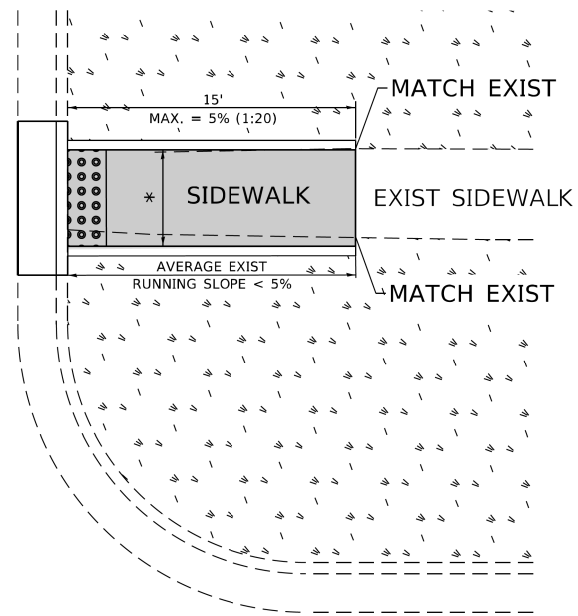
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SHEET OF SHEETS STA. TO STA.

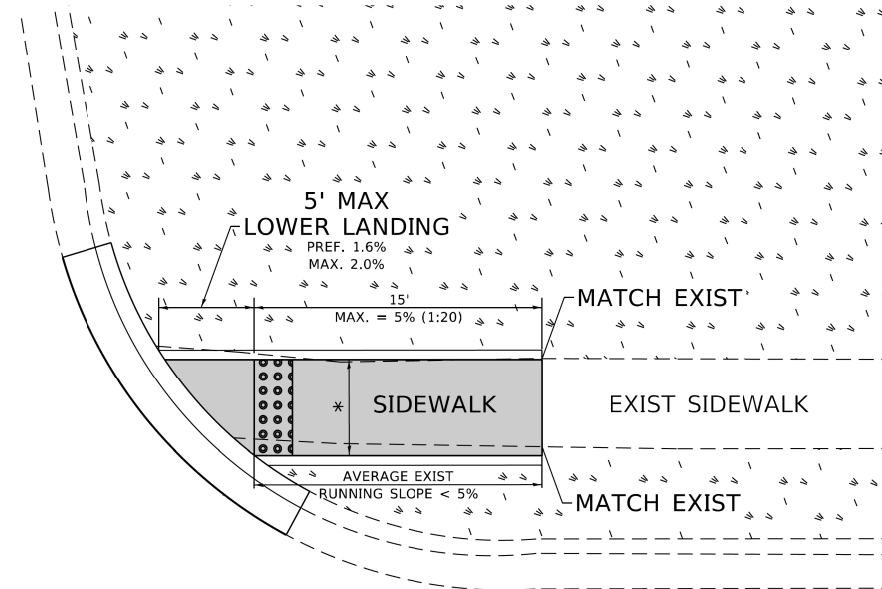
F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 24
CONTRACT NO. 62C52				ILLINOIS FED. AID PROJECT

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

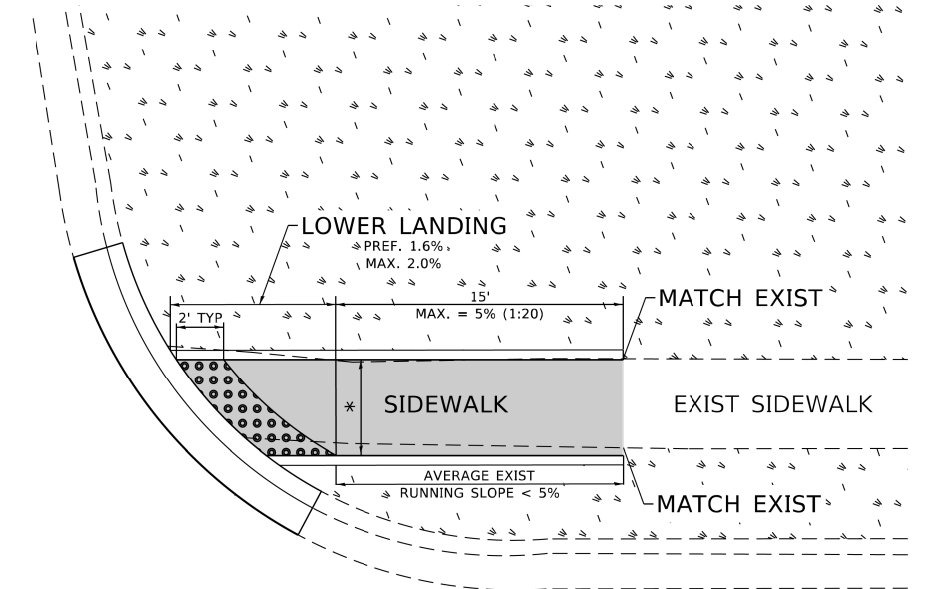
PD-01A



PD-01B



PD-01C



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: Default
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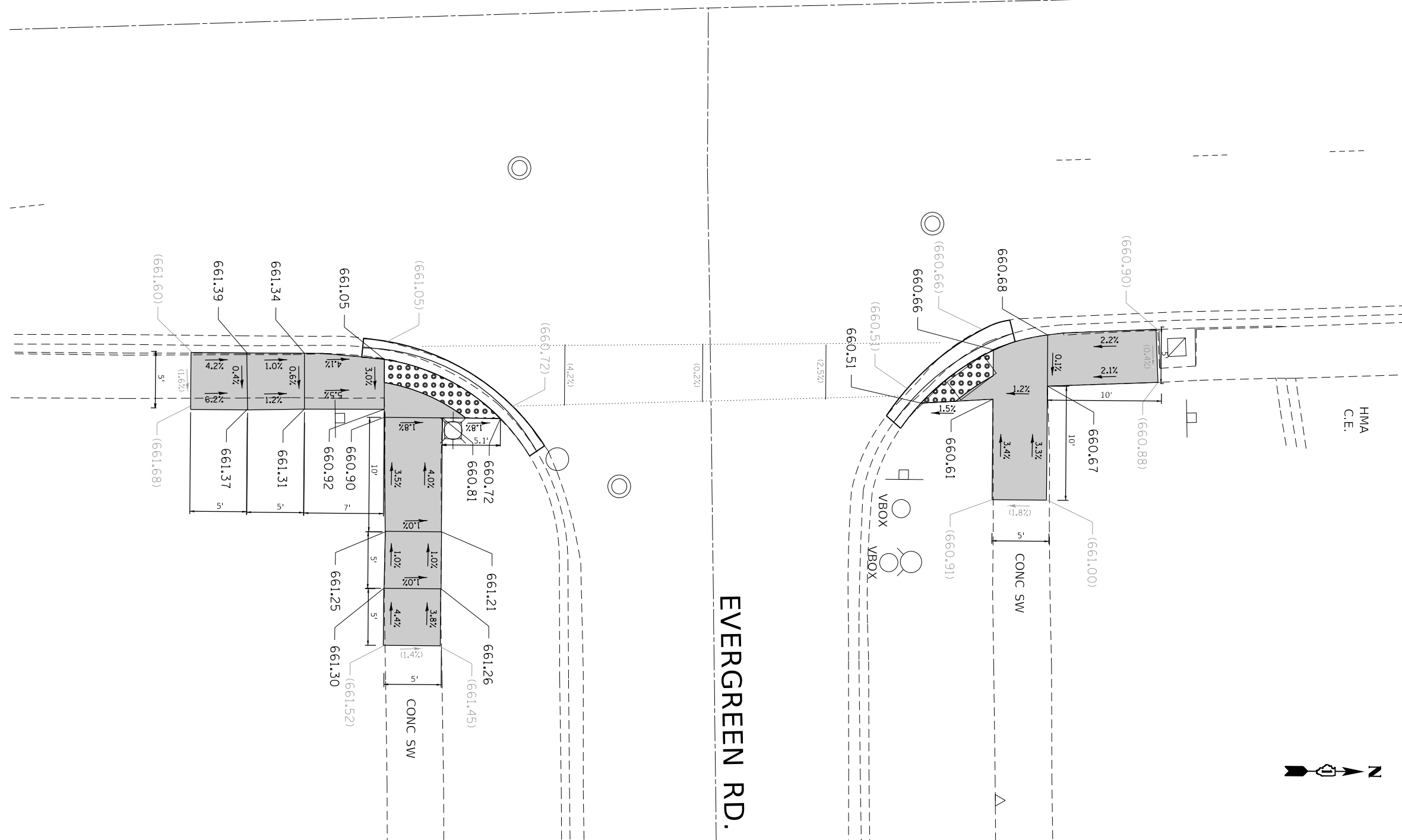
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	25
PD-01			CONTRACT NO. 62C52	
ILLINOIS FED. AID PROJECT				

DIXIE HIGHWAY



EVERGREEN RD.

HMA
C.E.



REFERENCE BENCHMARK ELEV 662.27
 BENCHMARK : NORTH FLANGE BOLT ON FIRE HYDRANT
 LOCATION : NORTH EAST CORNER OF DIXIE HIGHWAY AND EVERGREEN ROAD

LEGEND

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA CURB RAMP DETAILS
FAU 2843 (DIXIE HWY) – 183RD STREET TO IL 1 (CHICAGO RD.)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	25B
CONTRACT NO. 62C52				

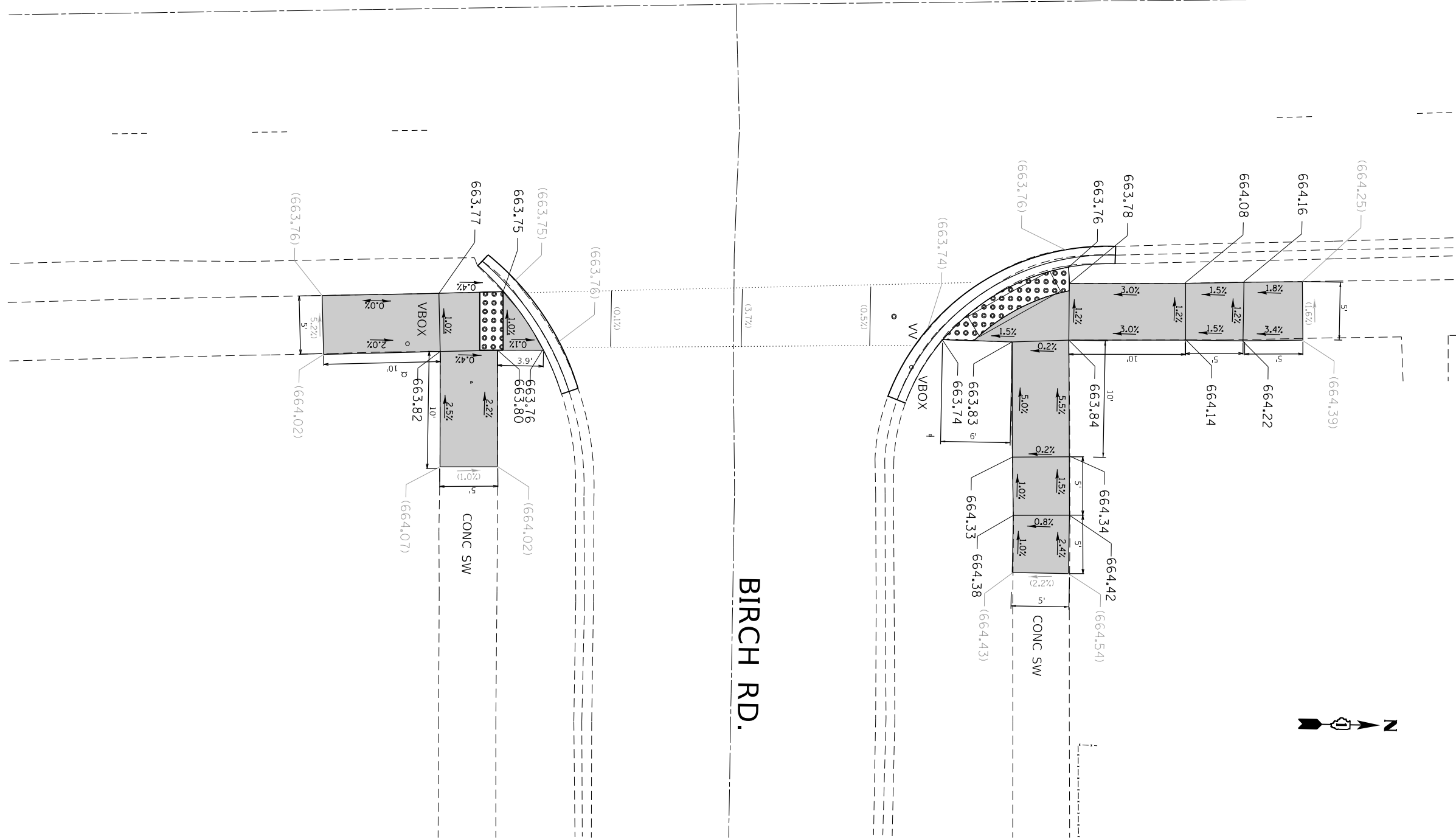
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	DATE -	REVISED -

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SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

DIXIE HIGHWAY



BIRCH RD.

REFERENCE BENCHMARK ELEV 665.31
 BENCHMARK : EAST FLANGE BOLT ON FIRE HYDRANT
 LOCATION : SOUTH EAST CORNER OF DIXIE HIGHWAY AND BIRCH ROAD

LEGEND

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
 FAU 2843 (DIXIE HWY) – 183RD STREET TO IL 1 (CHICAGO RD.)

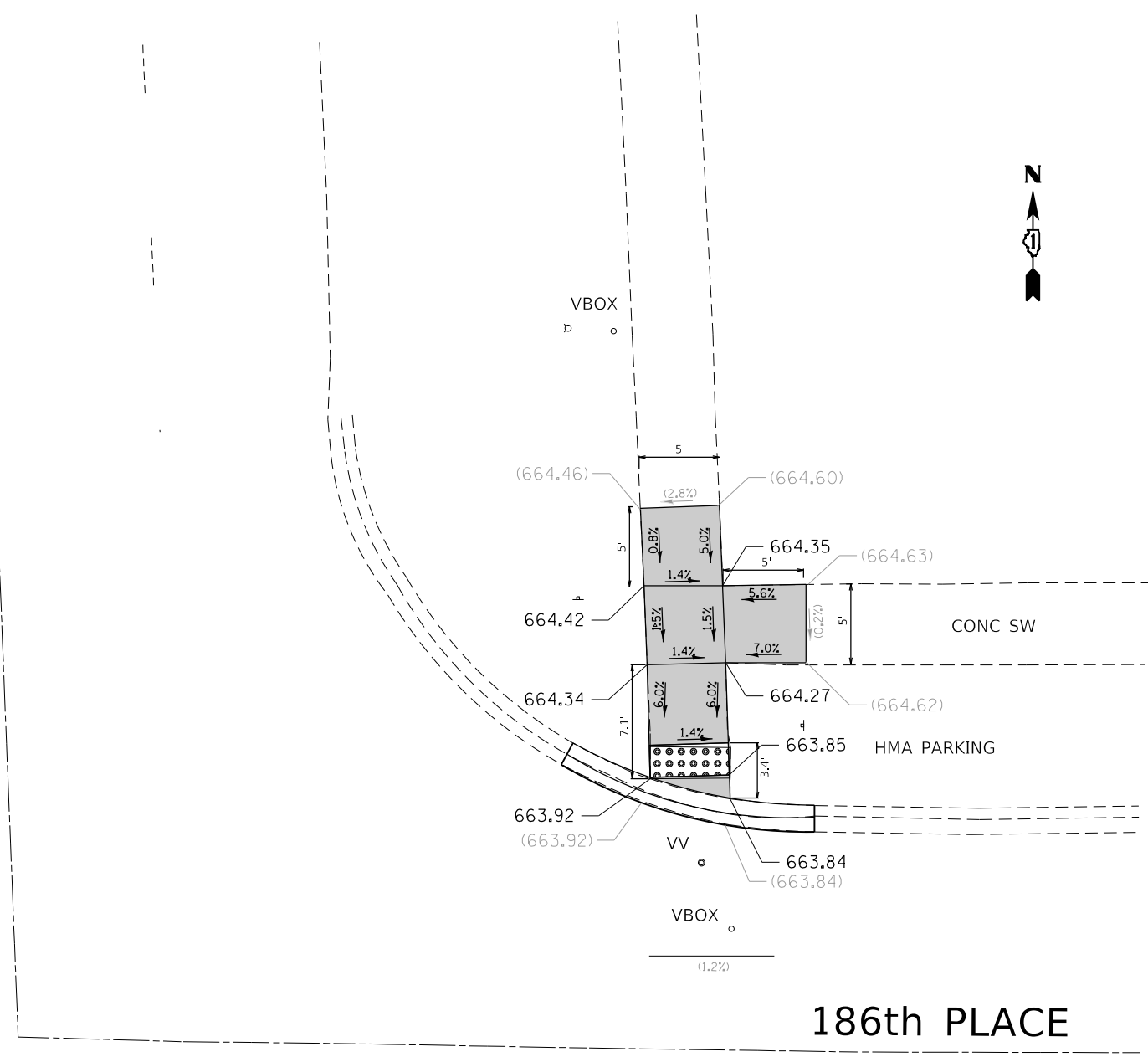
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SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	25C
CONTRACT NO. 62C52				
ILLINOIS FED. AID PROJECT				

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DIXIE HIGHWAY



186th PLACE

REFERENCE BENCHMARK ELEV 666.27
 BENCHMARK : EAST FLANGE BOLT ON FIRE HYDRANT
 LOCATION : NORTH EAST CORNER OF DIXIE HIGHWAY AND 186TH PL

LEGEND

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

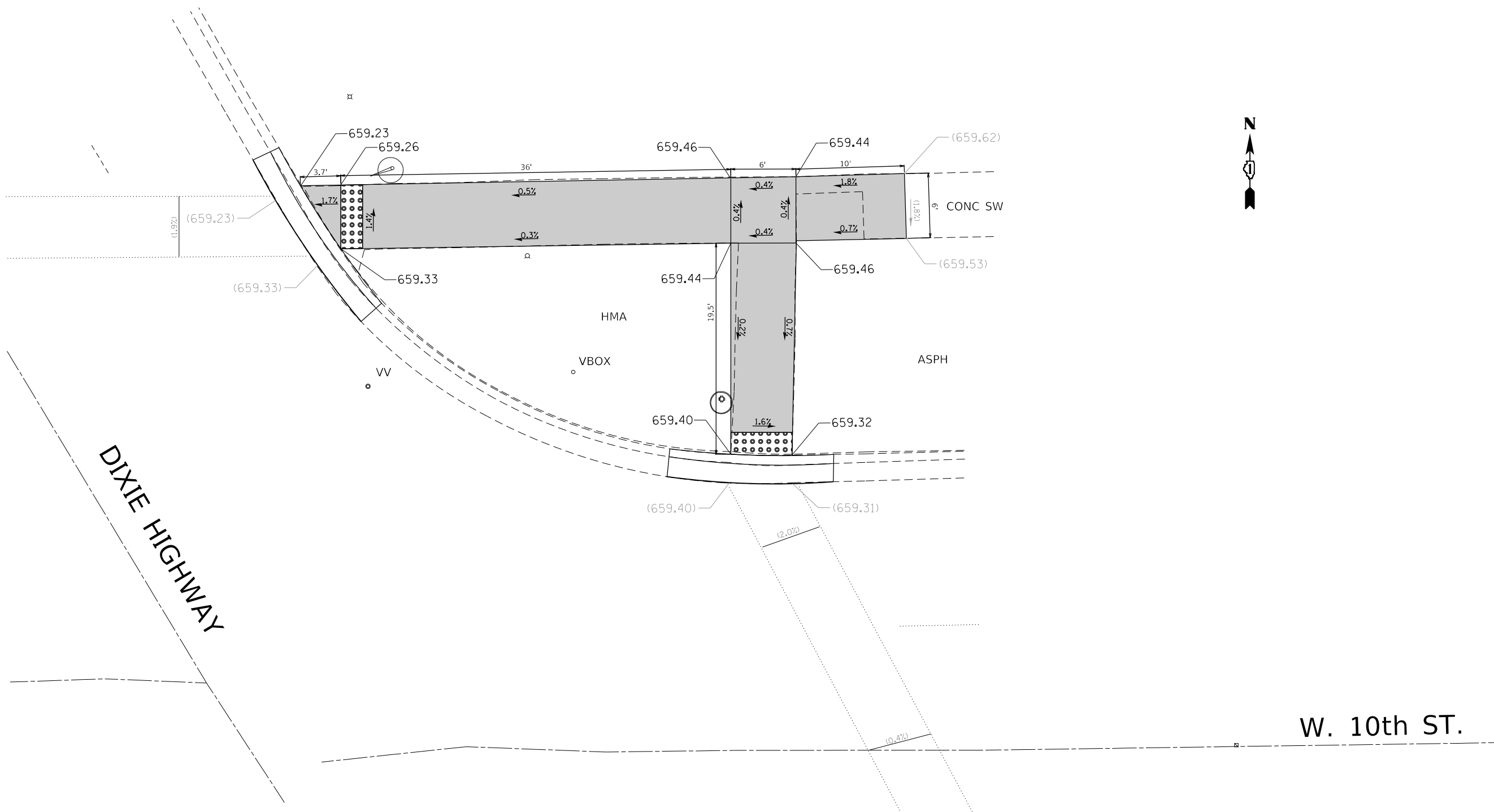
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 PROJECT: 186th Place ADA Curb Ramp
 DATE: 1/21/2021

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PLOT DATE = 1/21/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
FAU 2843 (DIXIE HWY) - 183RD STREET TO IL 1 (CHICAGO RD.)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	25D
CONTRACT NO. 62C52				
ILLINOIS FED. AID PROJECT				



DIXIE HIGHWAY

W. 10th ST.

REFERENCE BENCHMARK ELEV 660.61
 BENCHMARK : SOUTH EAST ARROW BOLT ON FIRE HYDRANT
 LOCATION : NORTH EAST CORNER OF DIXIE HIGHWAY AND W. 10TH STREET

LEGEND

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

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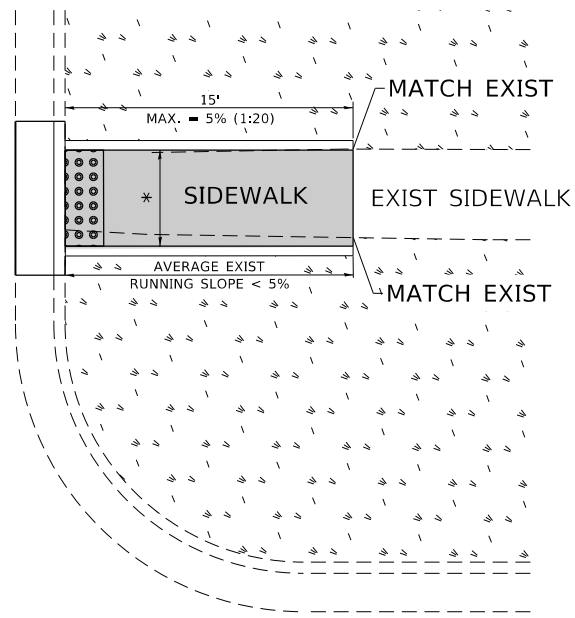
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA CURB RAMP DETAILS
FAU 2843 (DIXIE HWY) - 183RD STREET TO IL 1 (CHICAGO RD.)
 SCALE: SHEET OF SHEETS STA. TO STA.

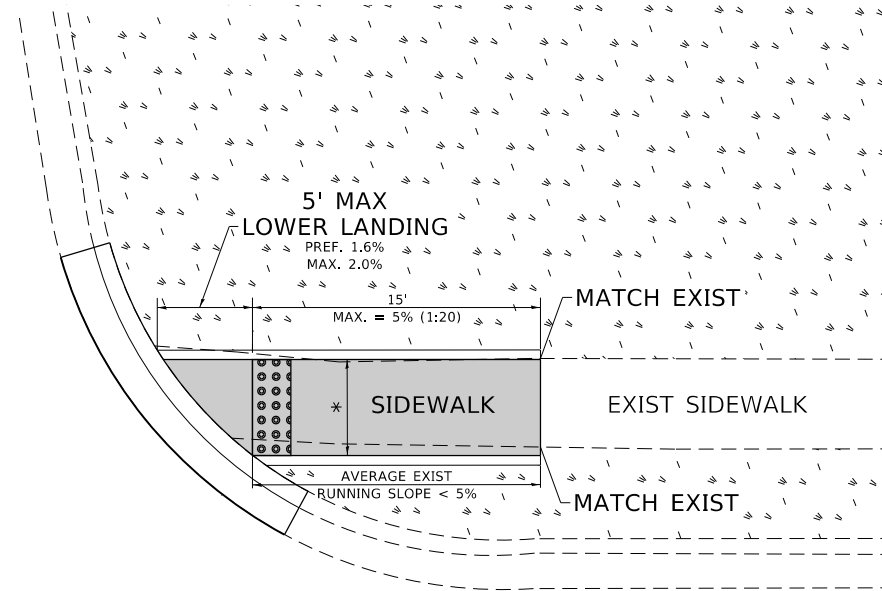
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	25L
CONTRACT NO. 62C52				
ILLINOIS FED. AID PROJECT				

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

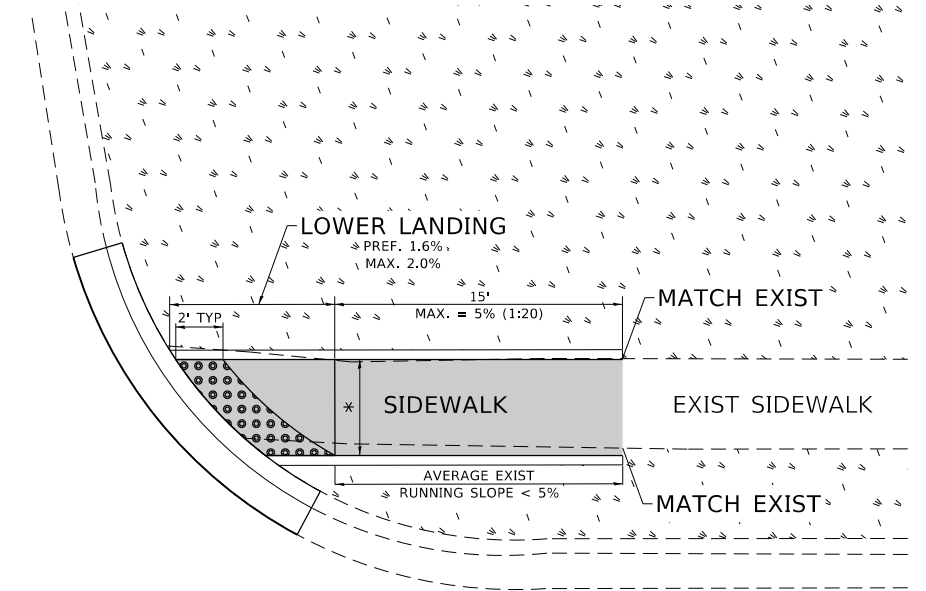
PD-01A



PD-01B



PD-01C



LEGEND

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

CONSTRUCTION NOTES:

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

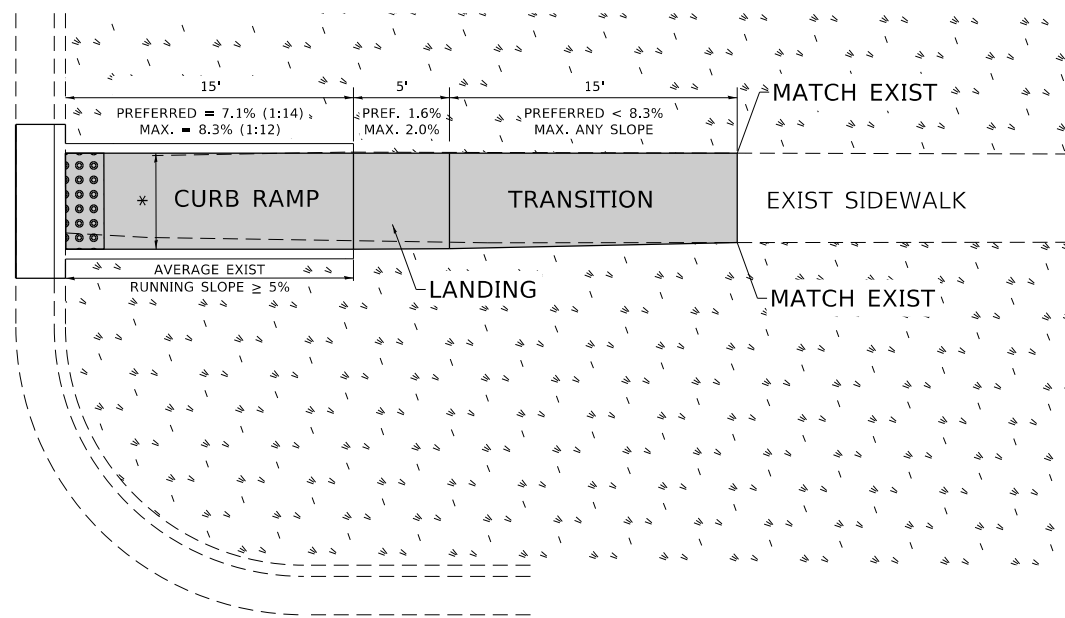
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

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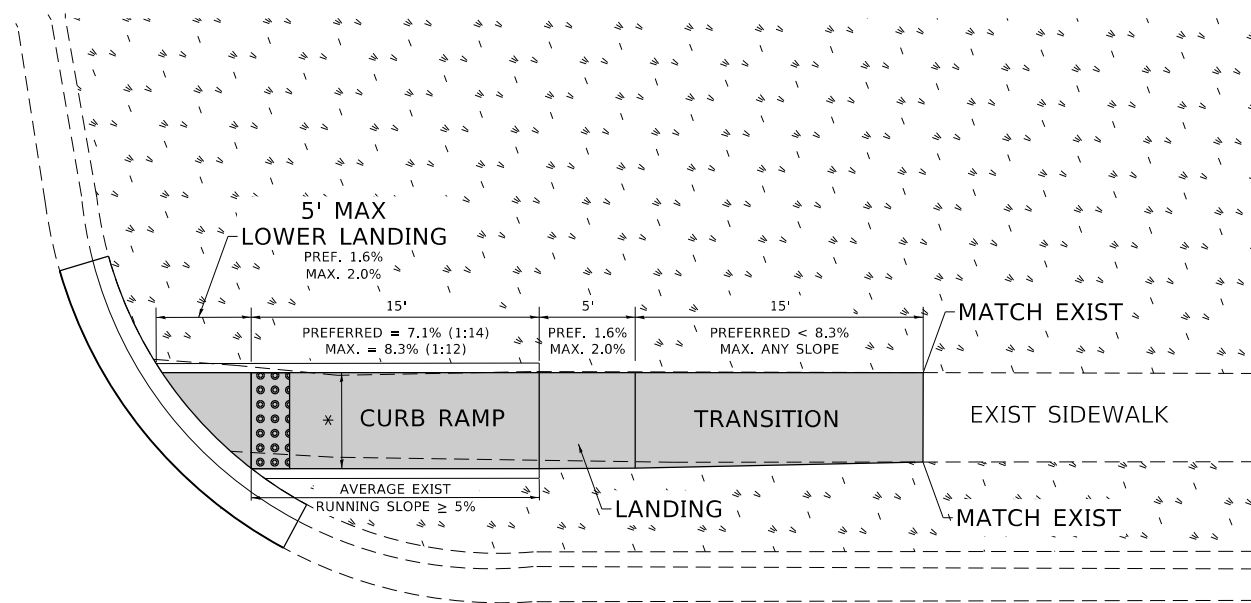
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2843	3249-RS-3	COOK	36	250
PD-01		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

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

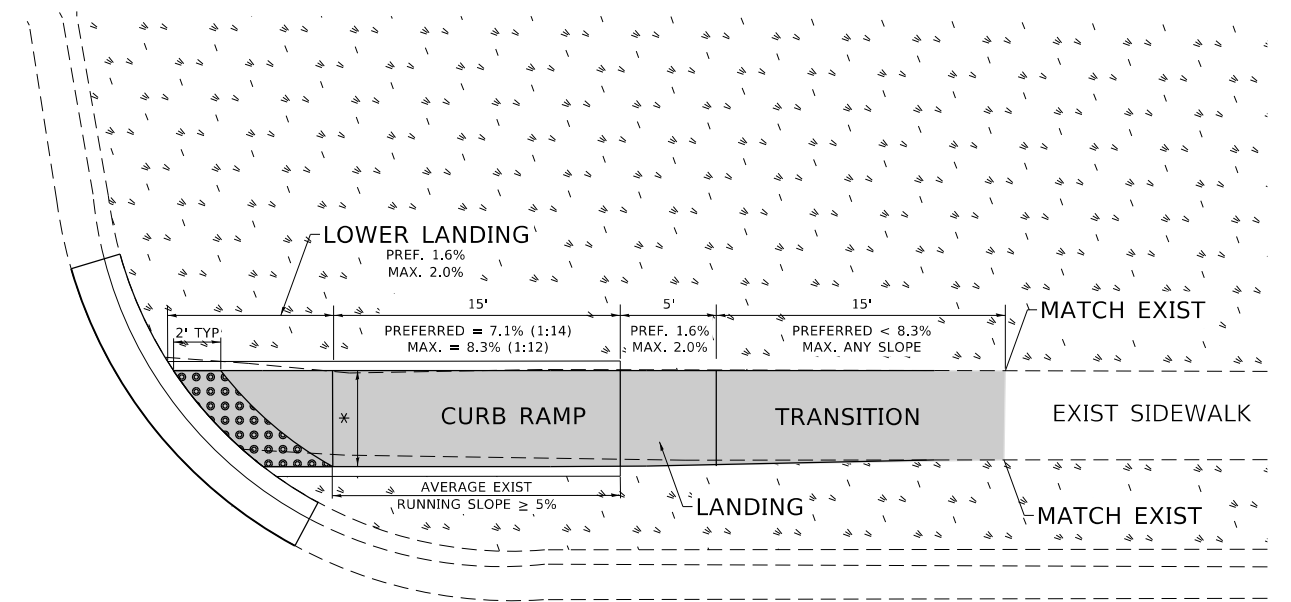
PD-02A



PD-02B



PD-02C



LEGEND

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

CONSTRUCTION NOTES:

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

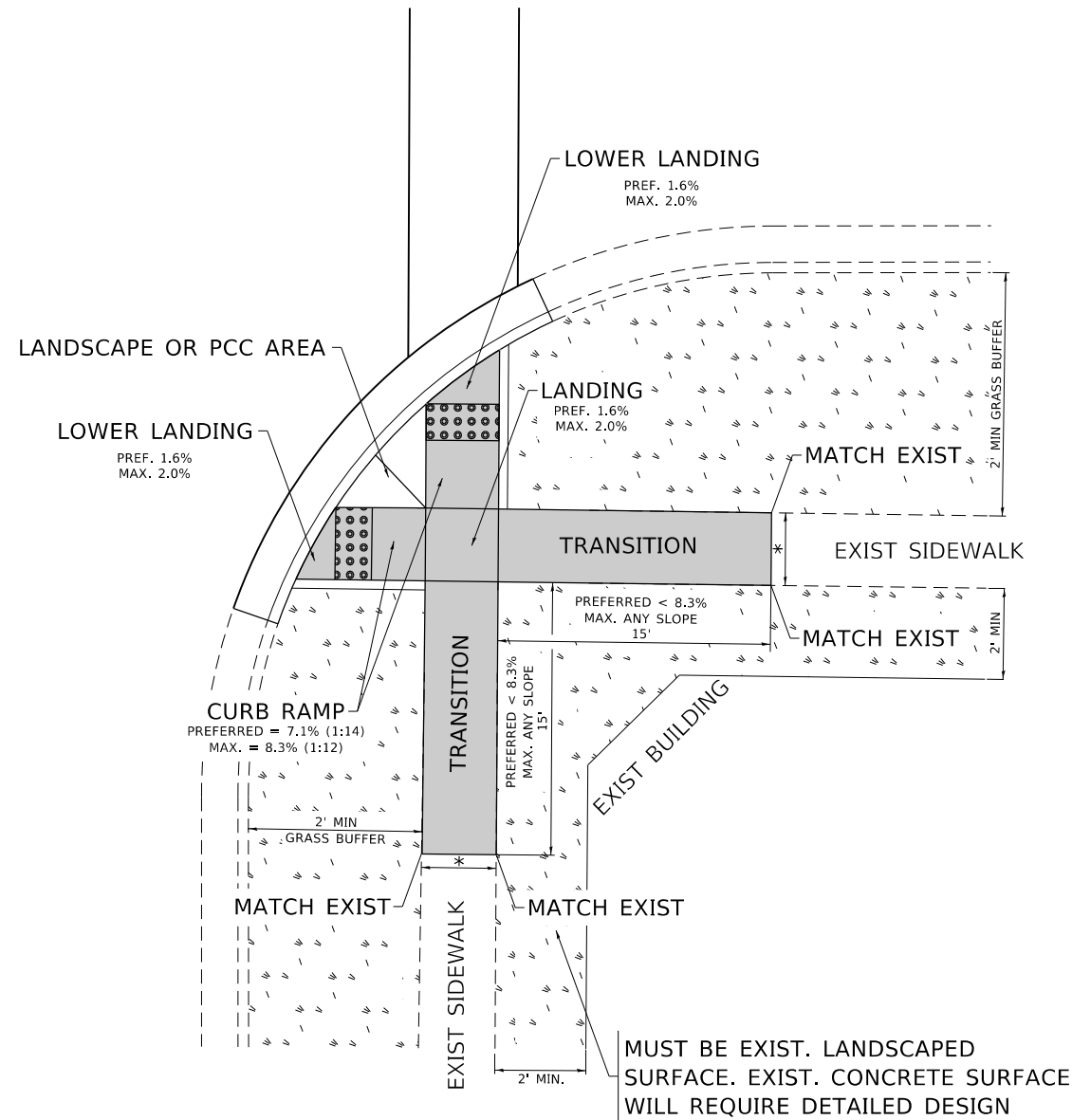
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)**

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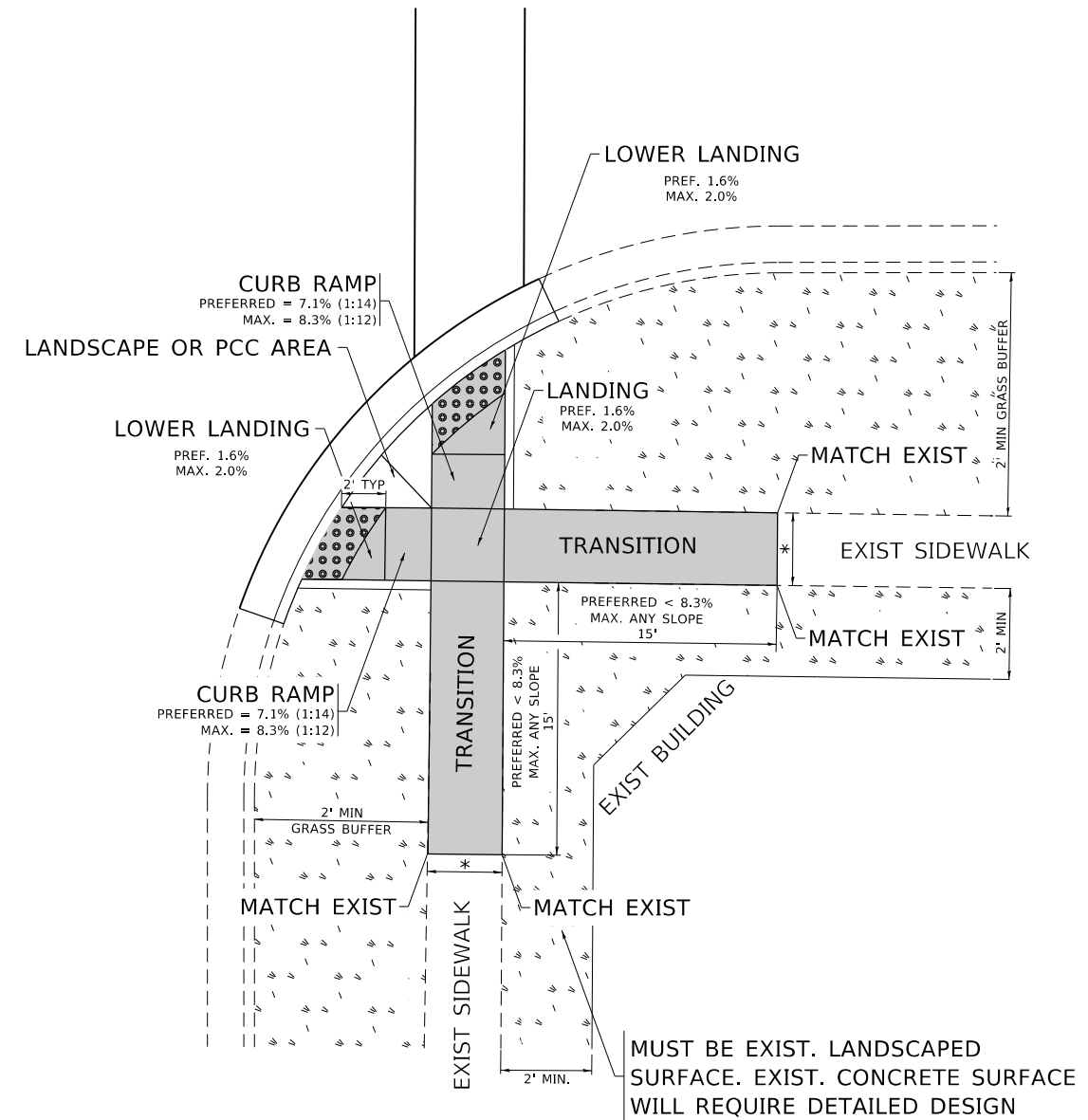
F.A.U. RTE. 2843	SECTION 3249-RS-3	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 25P
PD-02		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

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

CONSTRUCTION NOTES:

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

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PLOT DATE = 1/21/2021	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

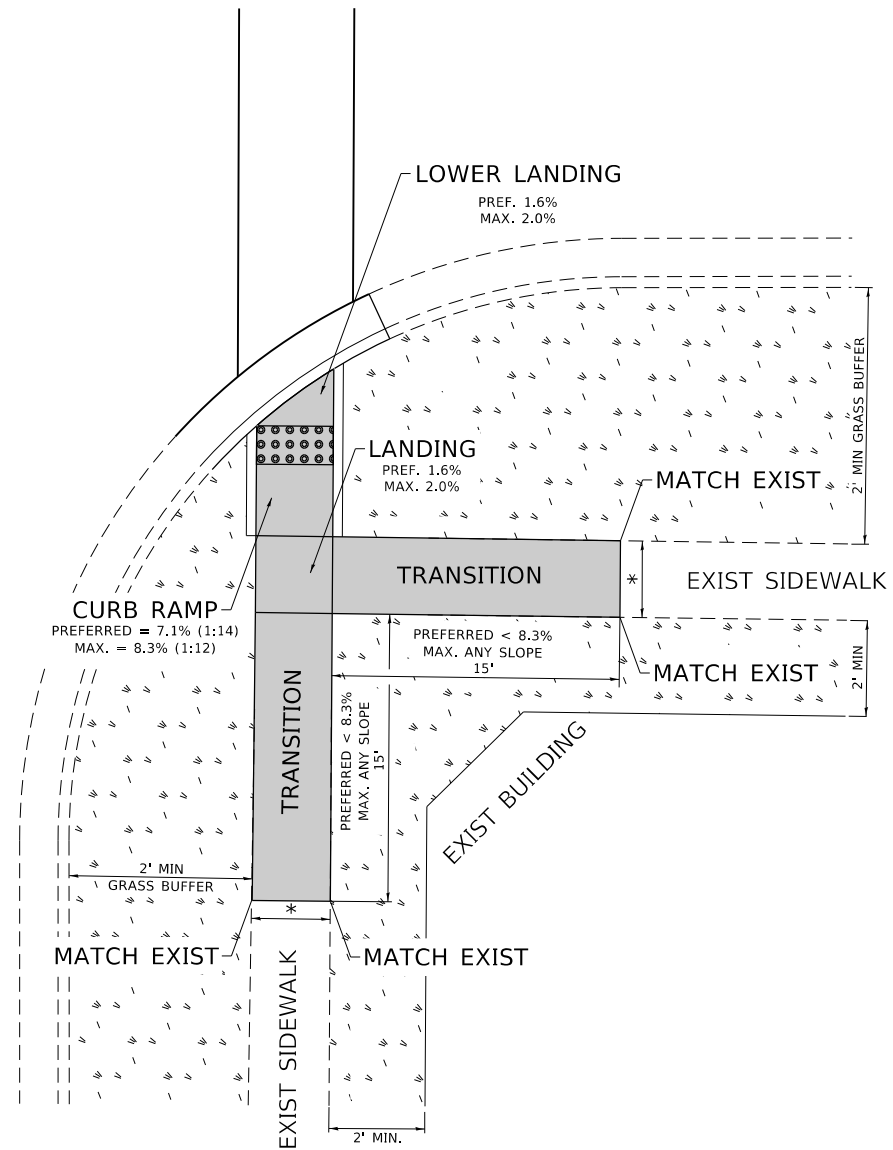
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

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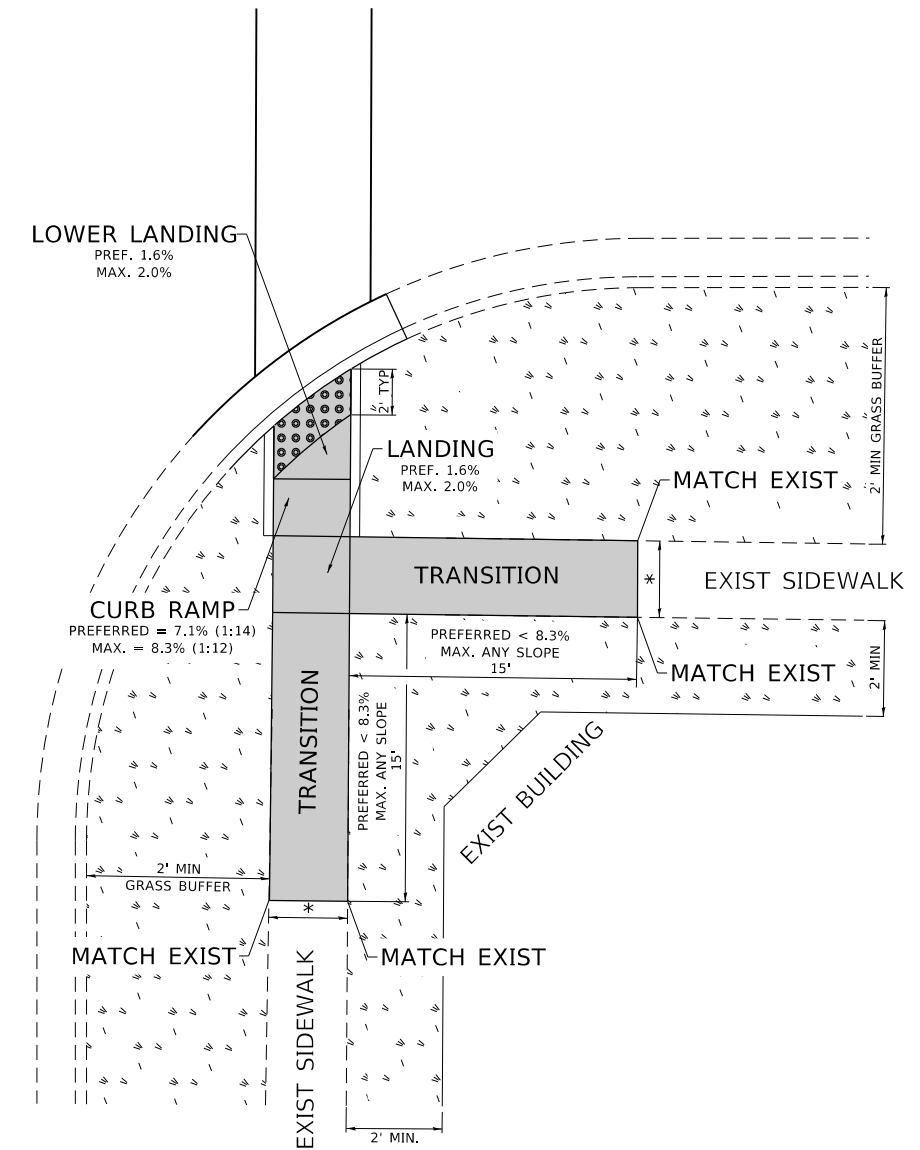
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	250
PD-03		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

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

CONSTRUCTION NOTES:

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

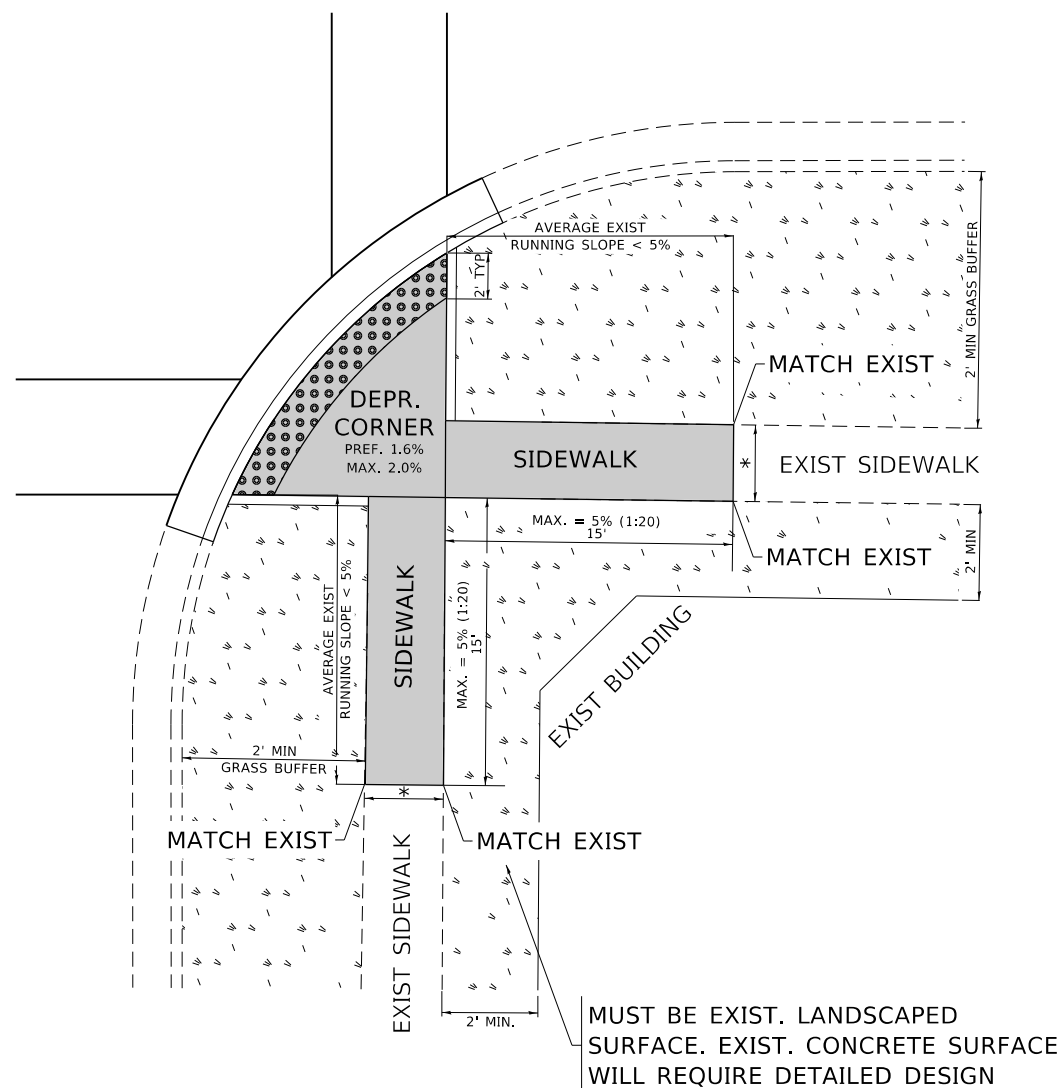
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)**

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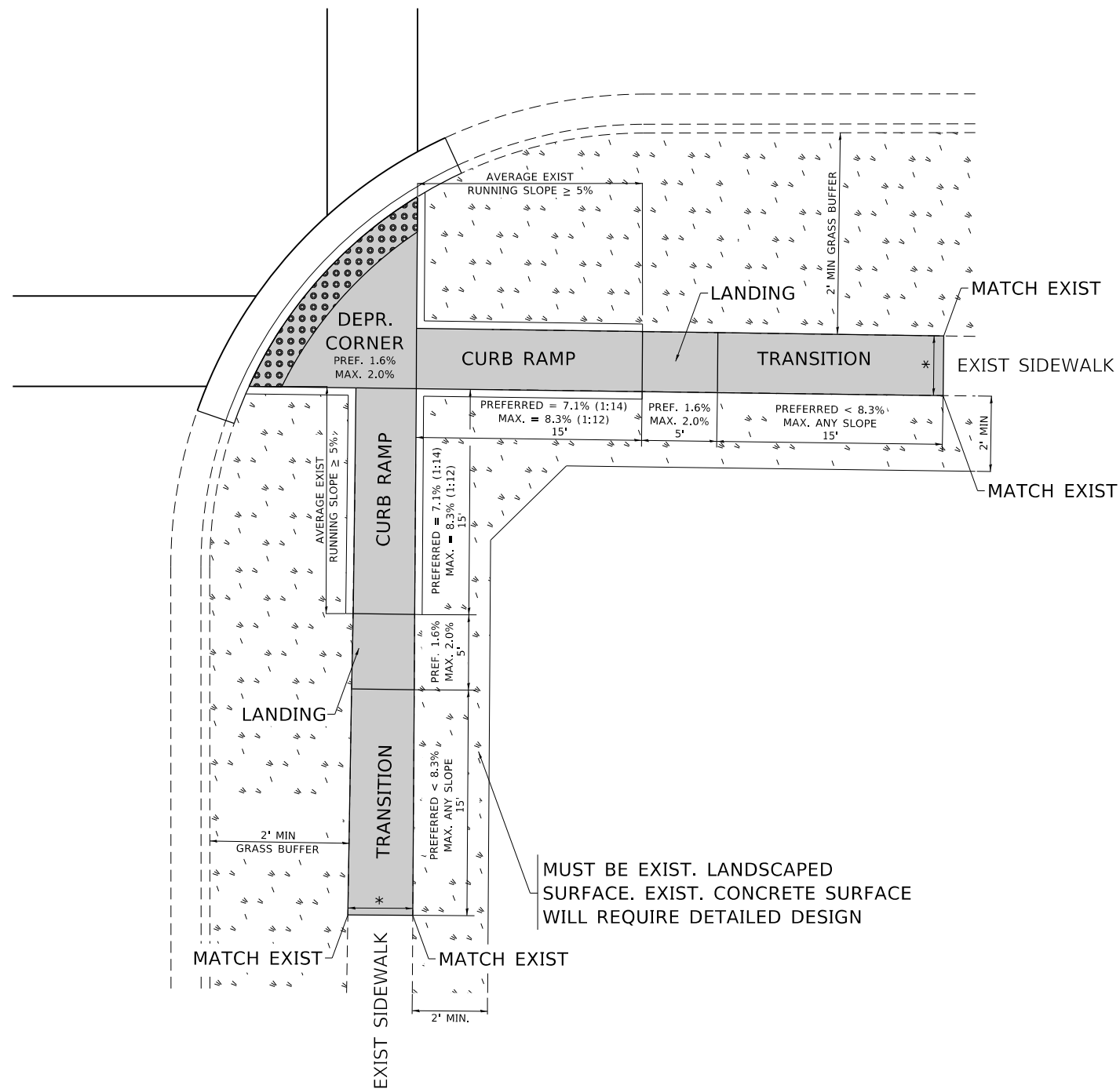
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PD-04		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

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

CONSTRUCTION NOTES:

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

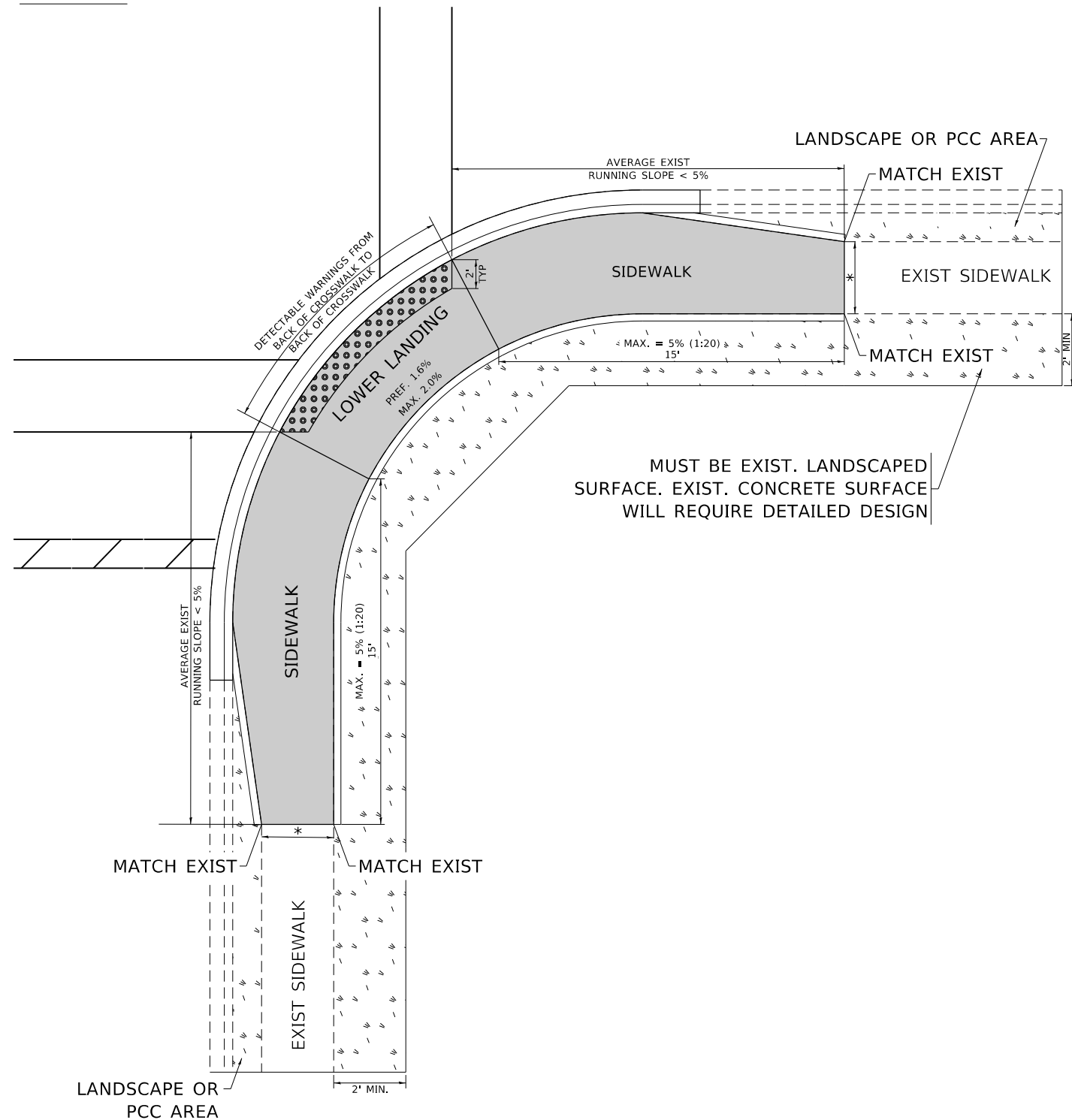
**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

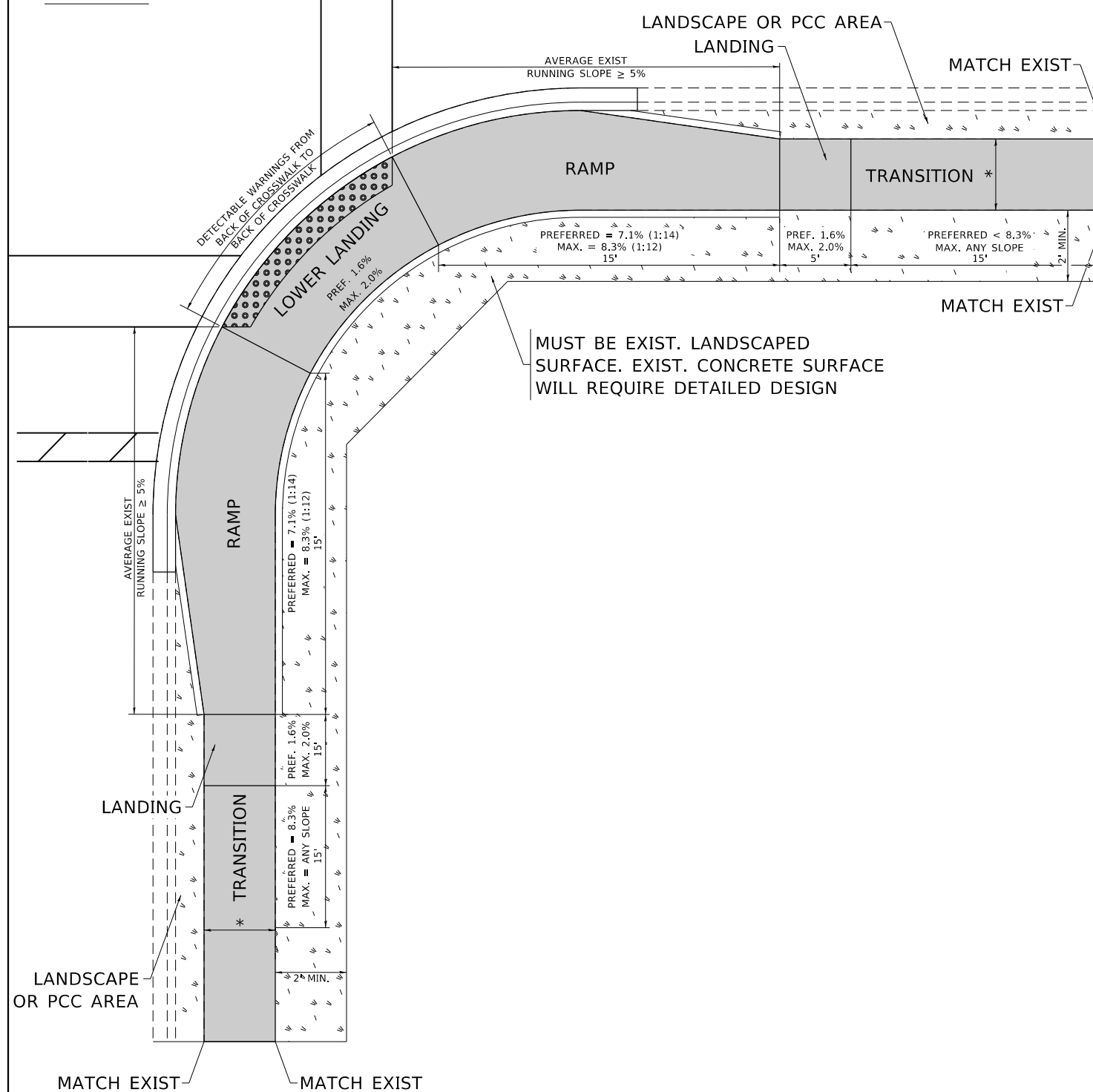
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2843	3249-RS-3	COOK	36	255
PD-05		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

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

CONSTRUCTION NOTES:

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

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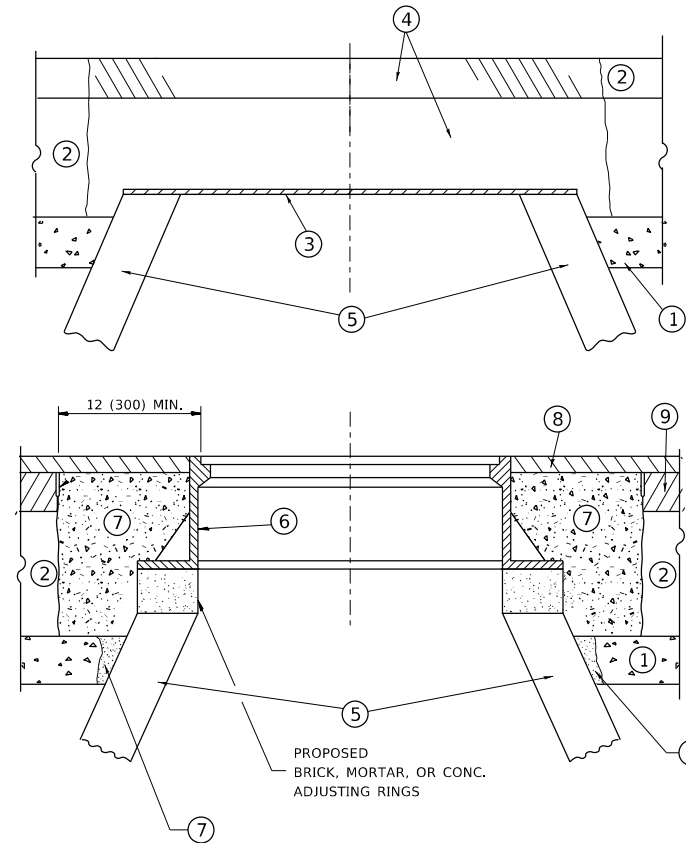
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PLOT DATE = 1/21/2021	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	251
PD-06		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				



NOTES

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

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

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

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

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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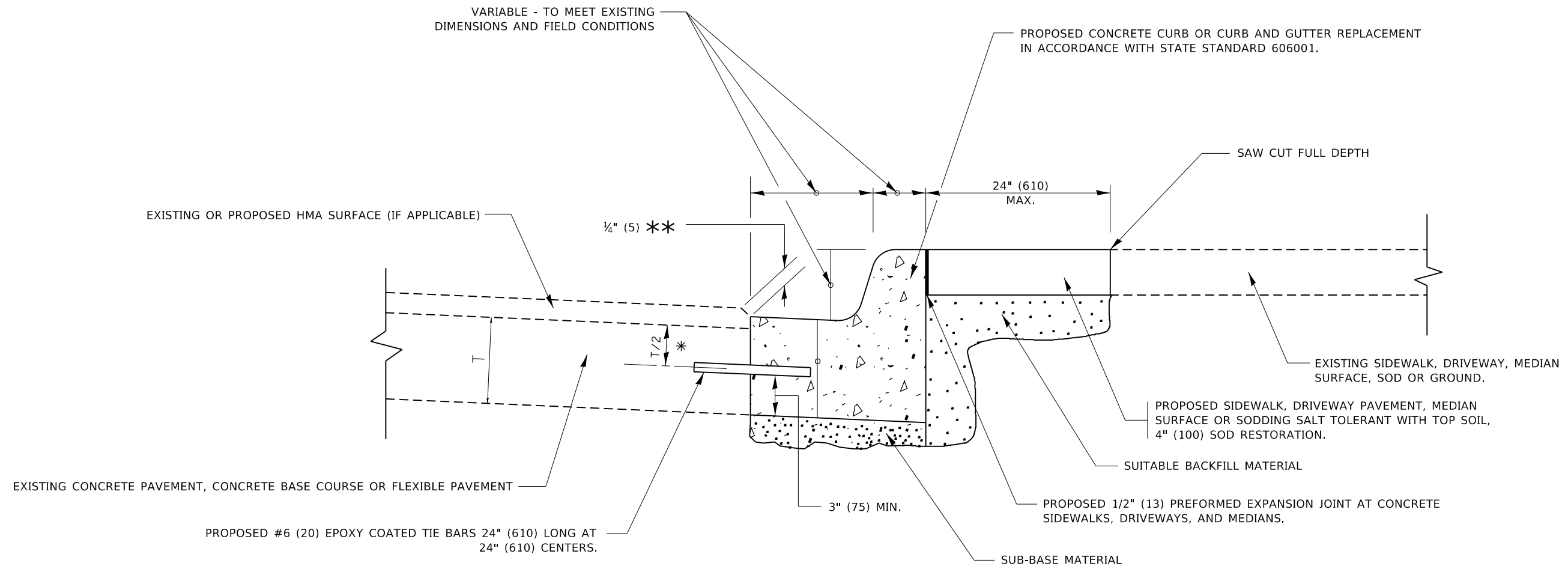
USER NAME = josephm	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 12/14/2020	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	26
BD600-03 (BD-8)		CONTRACT NO. 62C52		
ILLINOIS		FED. AID PROJECT		



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

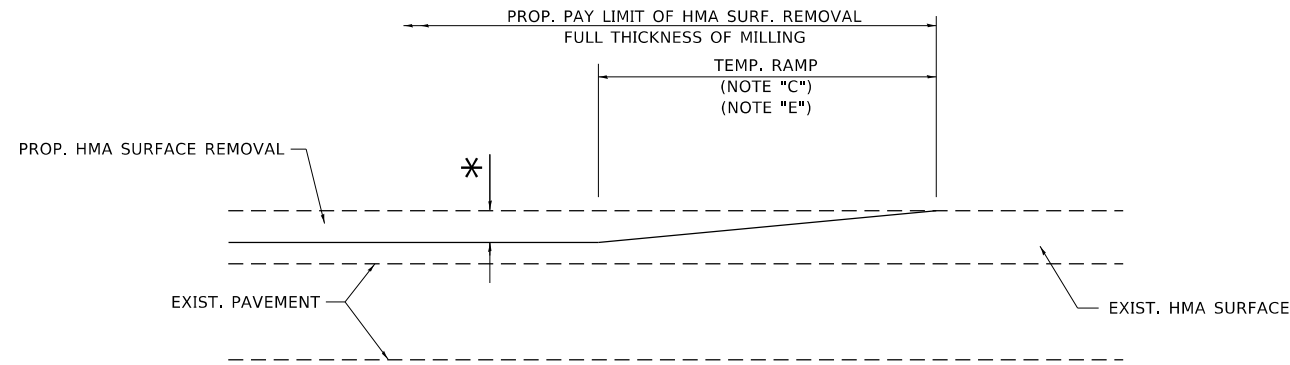
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USER NAME = josephm	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 12/14/2020	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

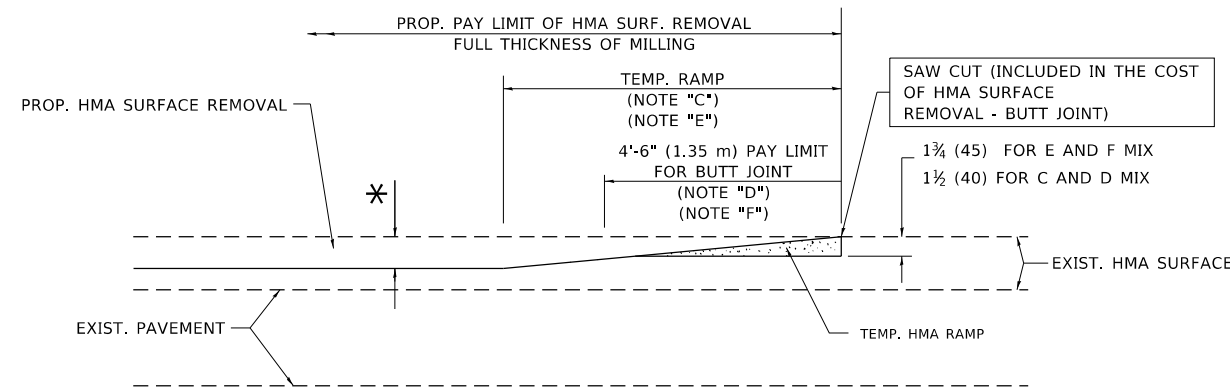
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	28
BD600-06 (BD-24)			CONTRACT NO. 62C52	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

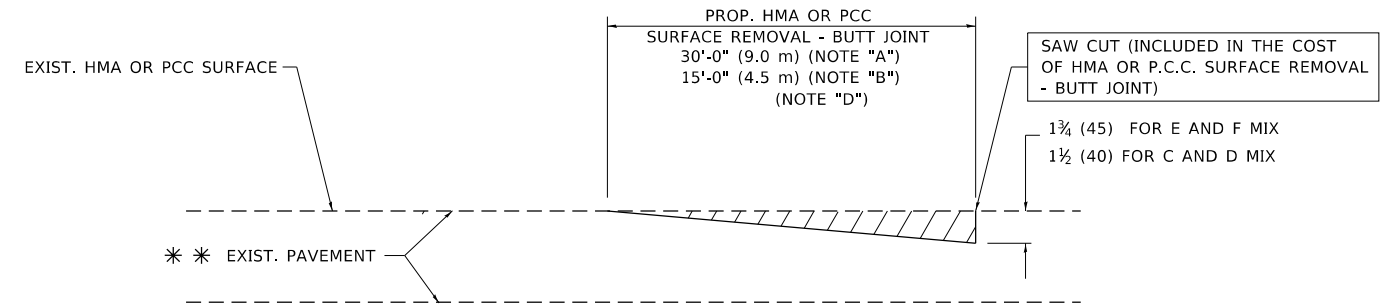


HMA CONSTRUCTED TEMPORARY RAMP

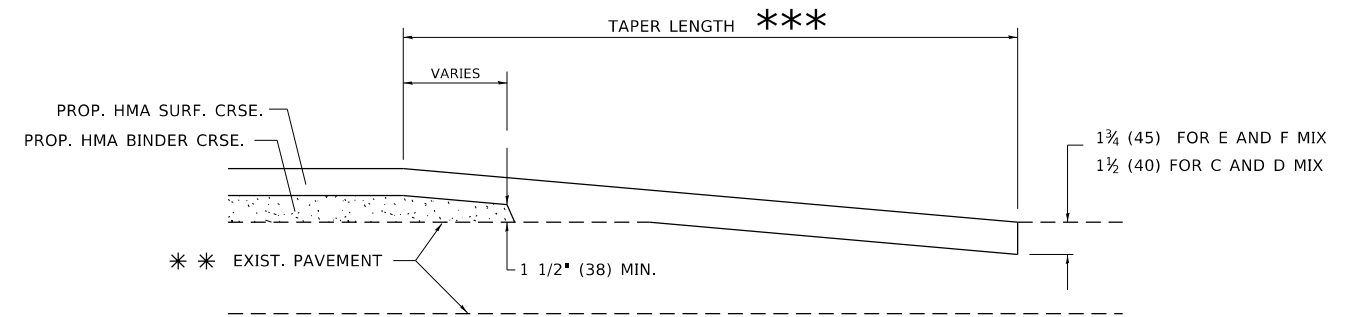
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

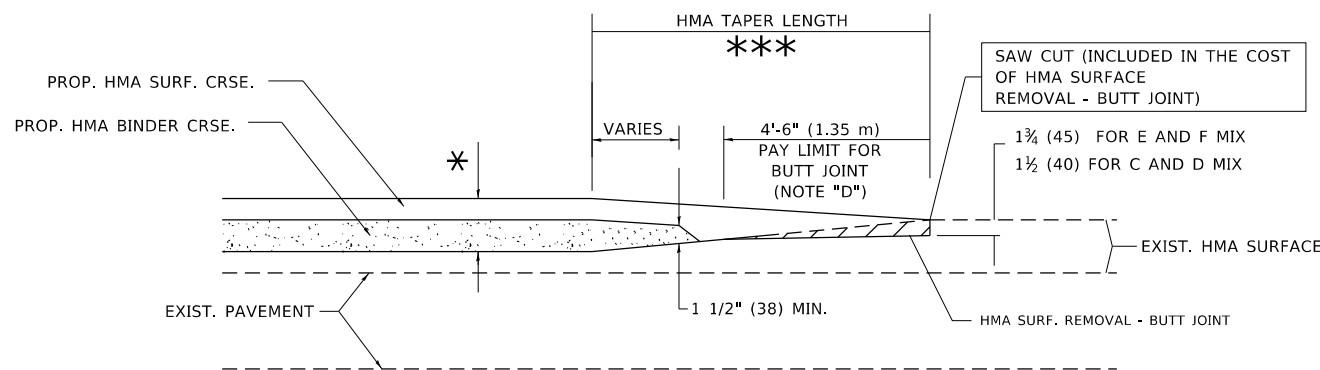
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

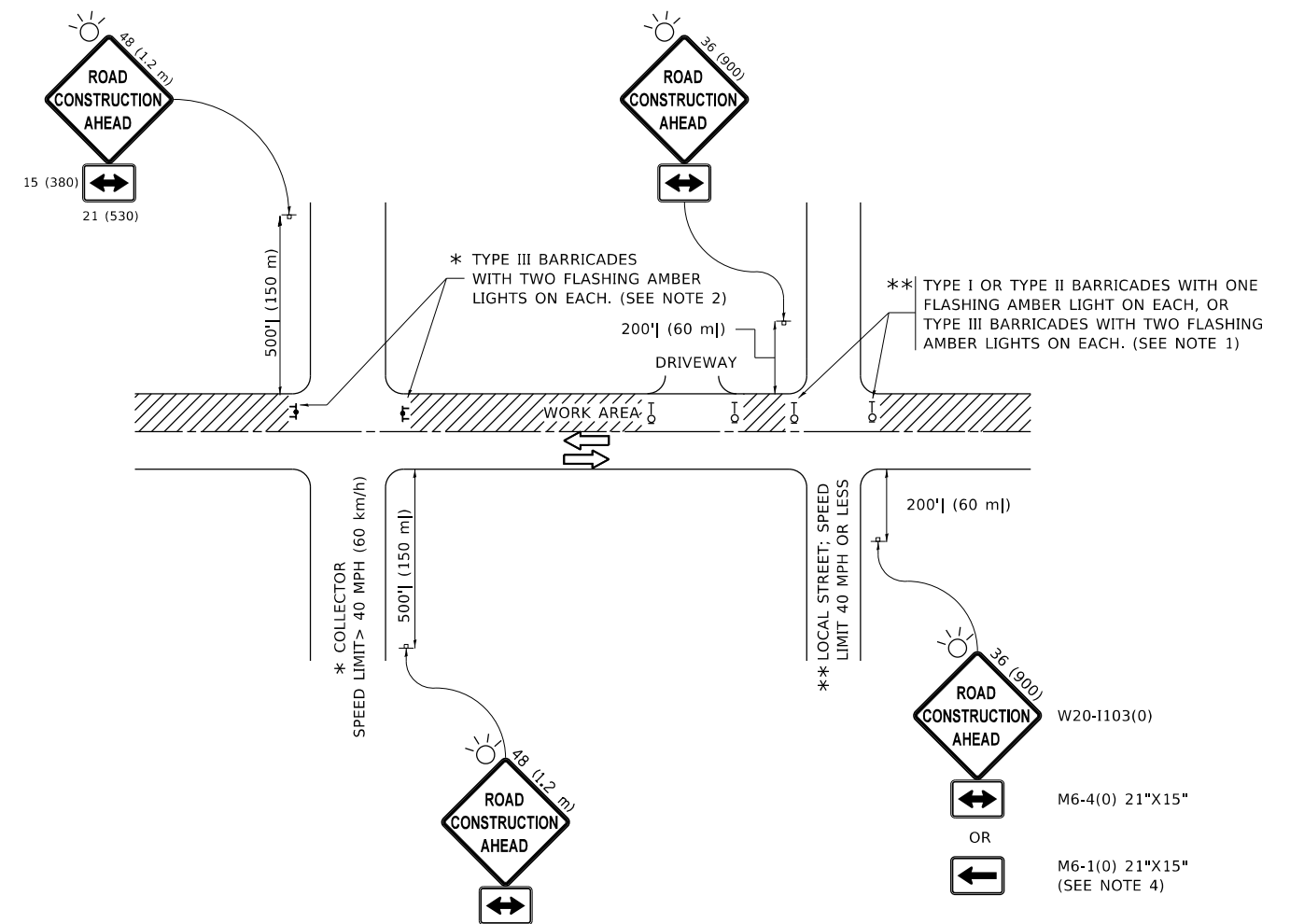
BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	29
BD400-05 BD32		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

USER NAME = josephm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 12/14/2020	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R.BORO 01-01-07

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NOTES:

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

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

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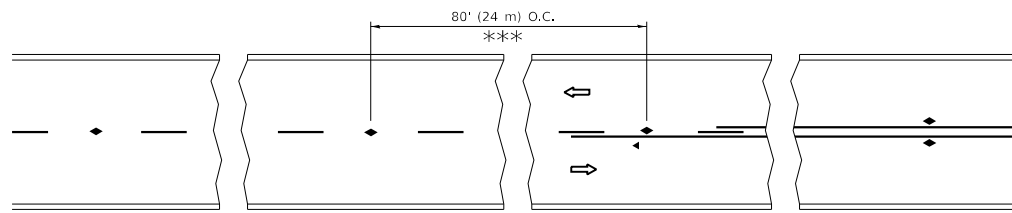
USER NAME = josephm	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 12/14/2020	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

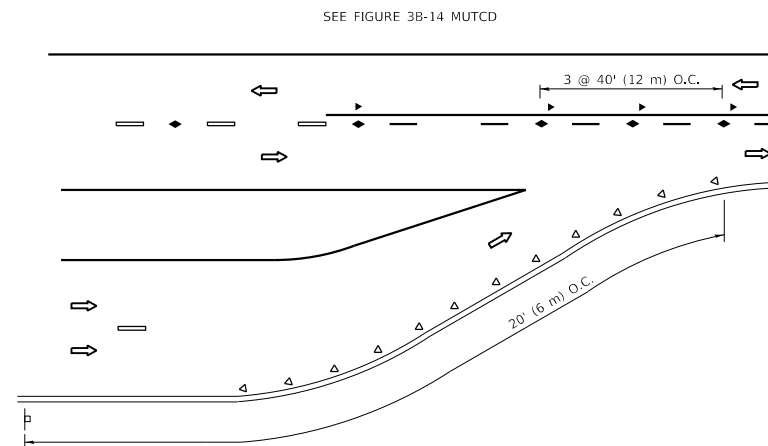
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	30
TC-10		CONTRACT NO. 62C52		
ILLINOIS FED. AID PROJECT				

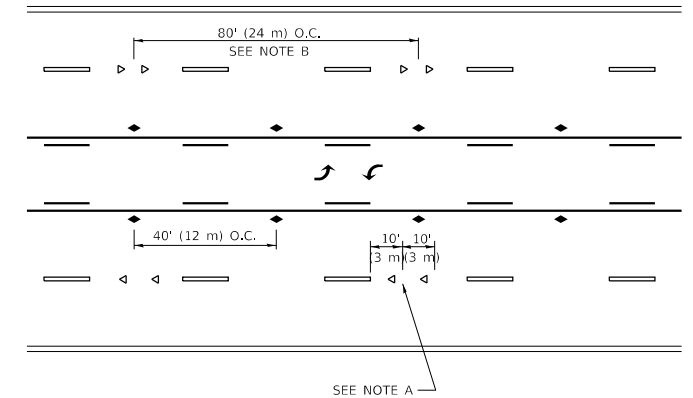


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

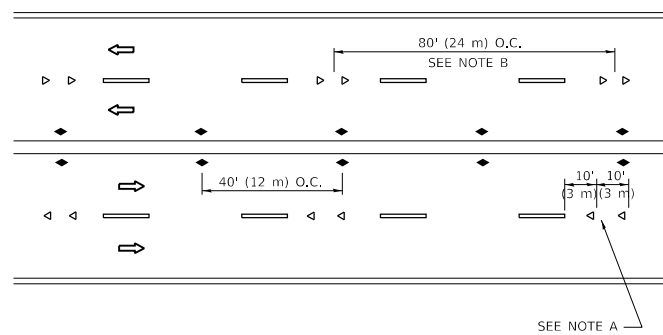
TWO-LANE/TWO-WAY



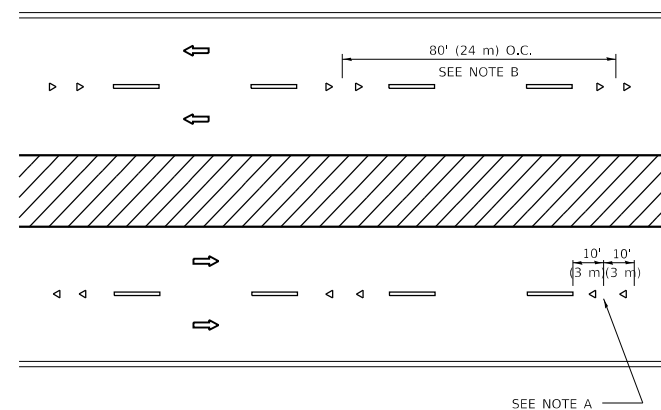
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

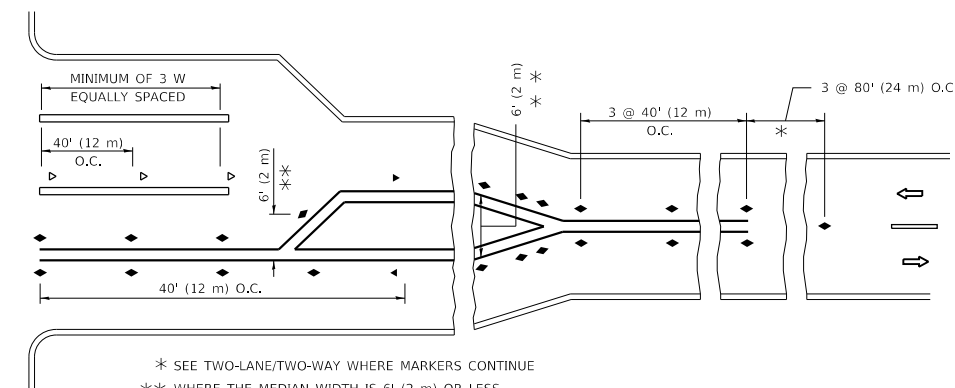
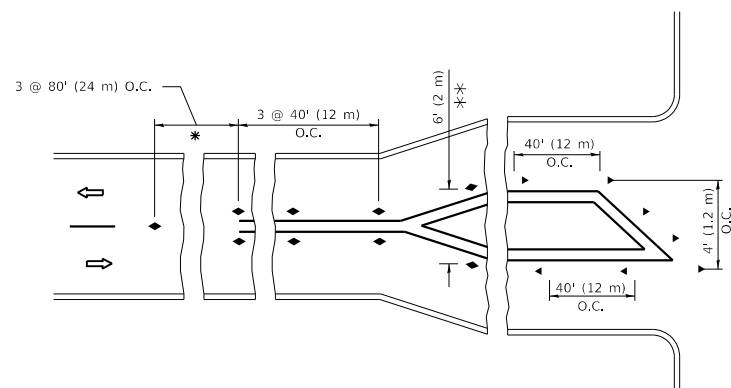
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

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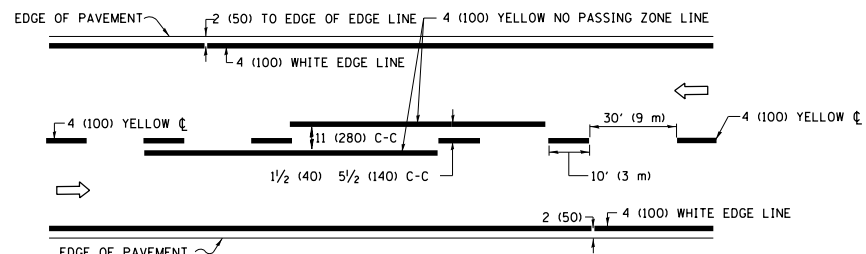
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 12/14/2020	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

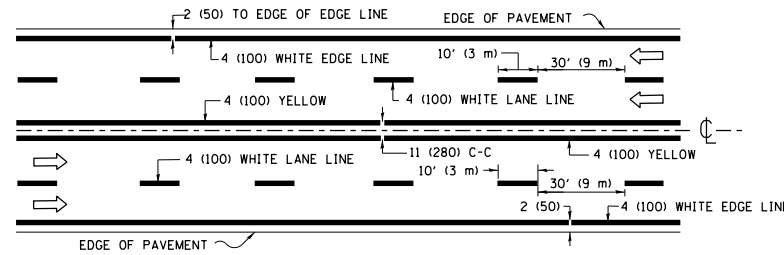
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

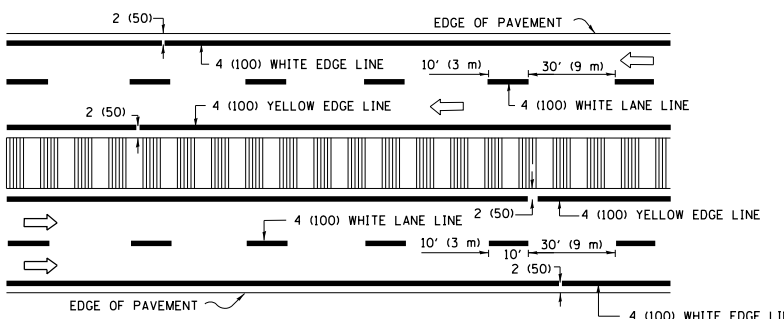
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	31
TC-11		CONTRACT NO. 62C52		
		ILLINOIS FED. AID PROJECT		



2-LANE ROADWAY

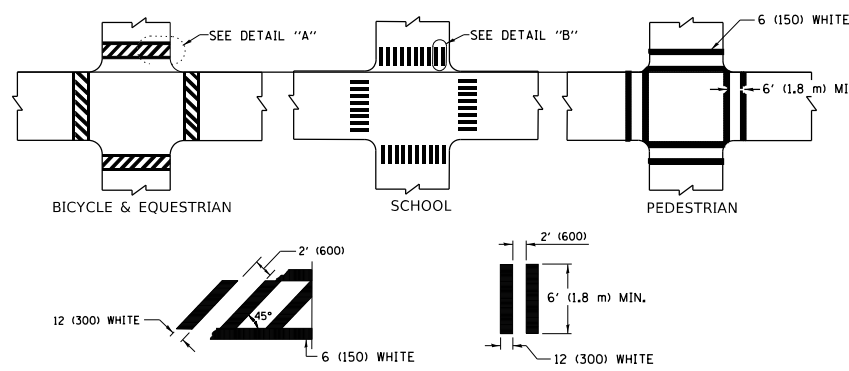


MULTI-LANE UNDIVIDED



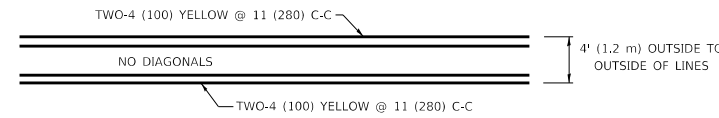
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

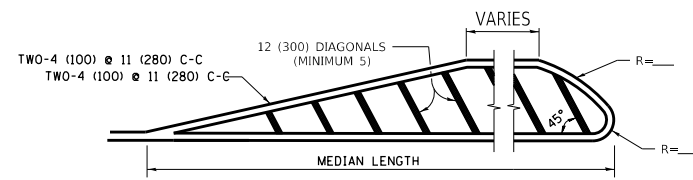


TYPICAL CROSSWALK MARKING

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



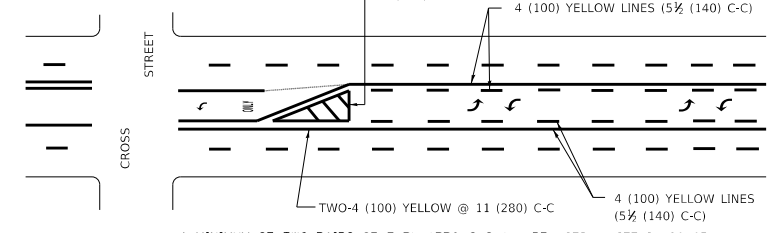
4' (1.2 m) WIDE MEDIANS ONLY



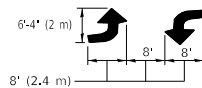
MEDIANS OVER 4' (1.2 m) WIDE

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

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

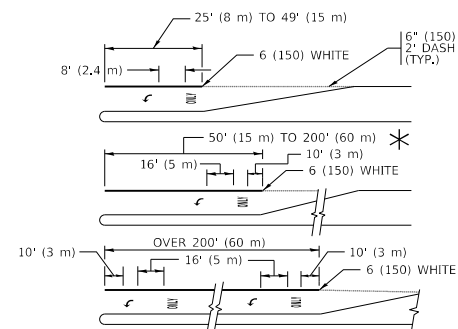


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

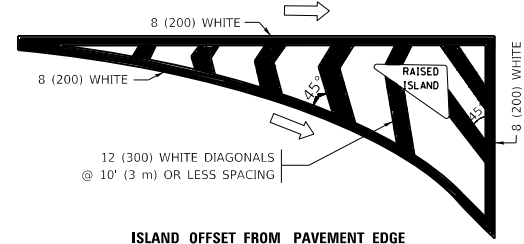


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

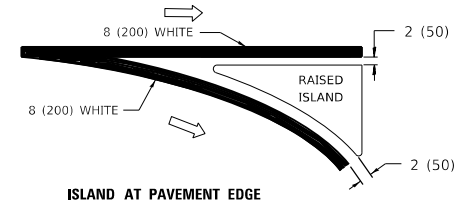
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

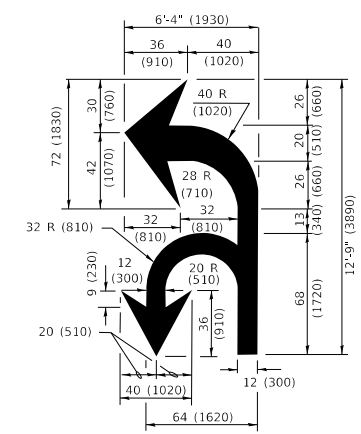


ISLAND OFFSET FROM PAVEMENT EDGE

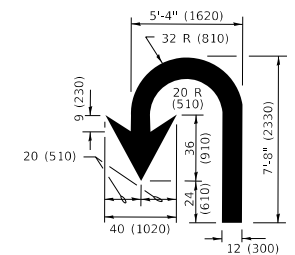


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
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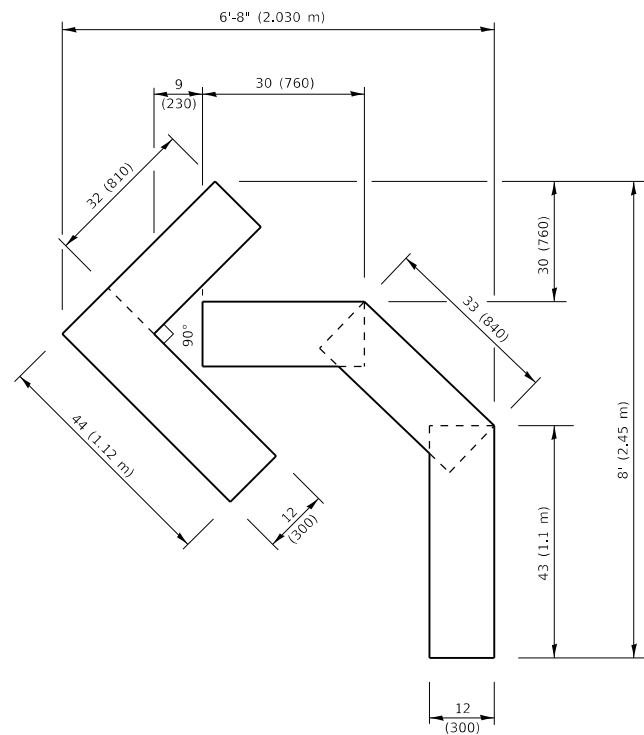
USER NAME = josephm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 12/14/2020	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

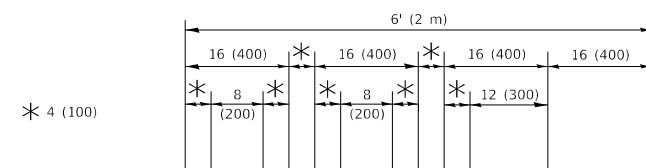
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249-RS-3	COOK	36	32
TC-13		CONTRACT NO. 62C52		
		ILLINOIS FED. AID PROJECT		



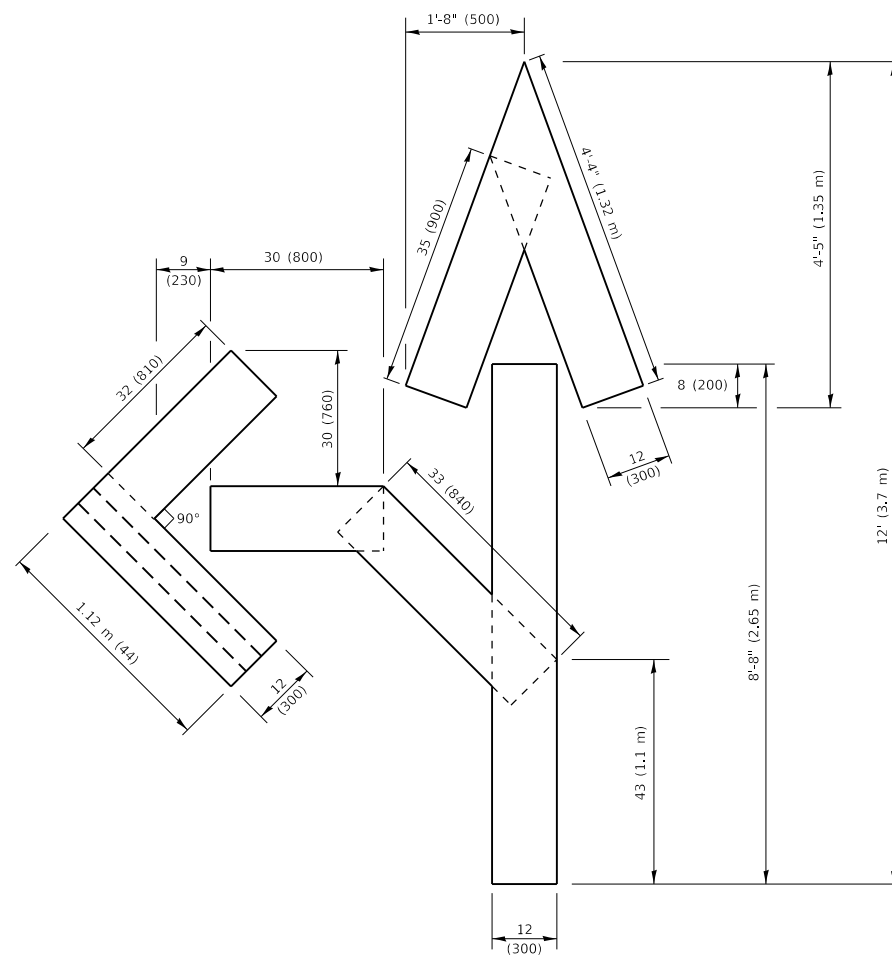
QUANTITY

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



QUANTITY

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

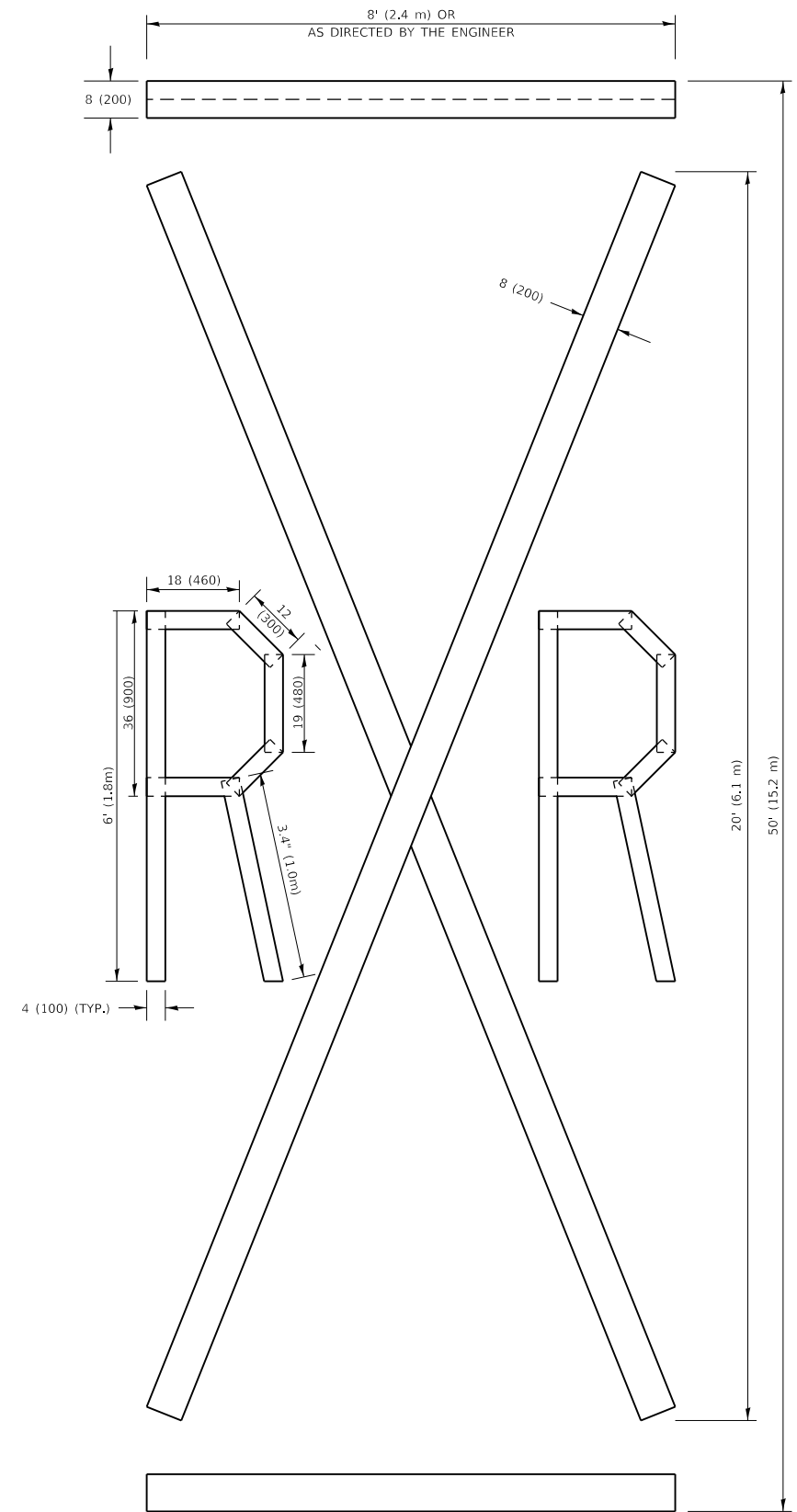


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: Default
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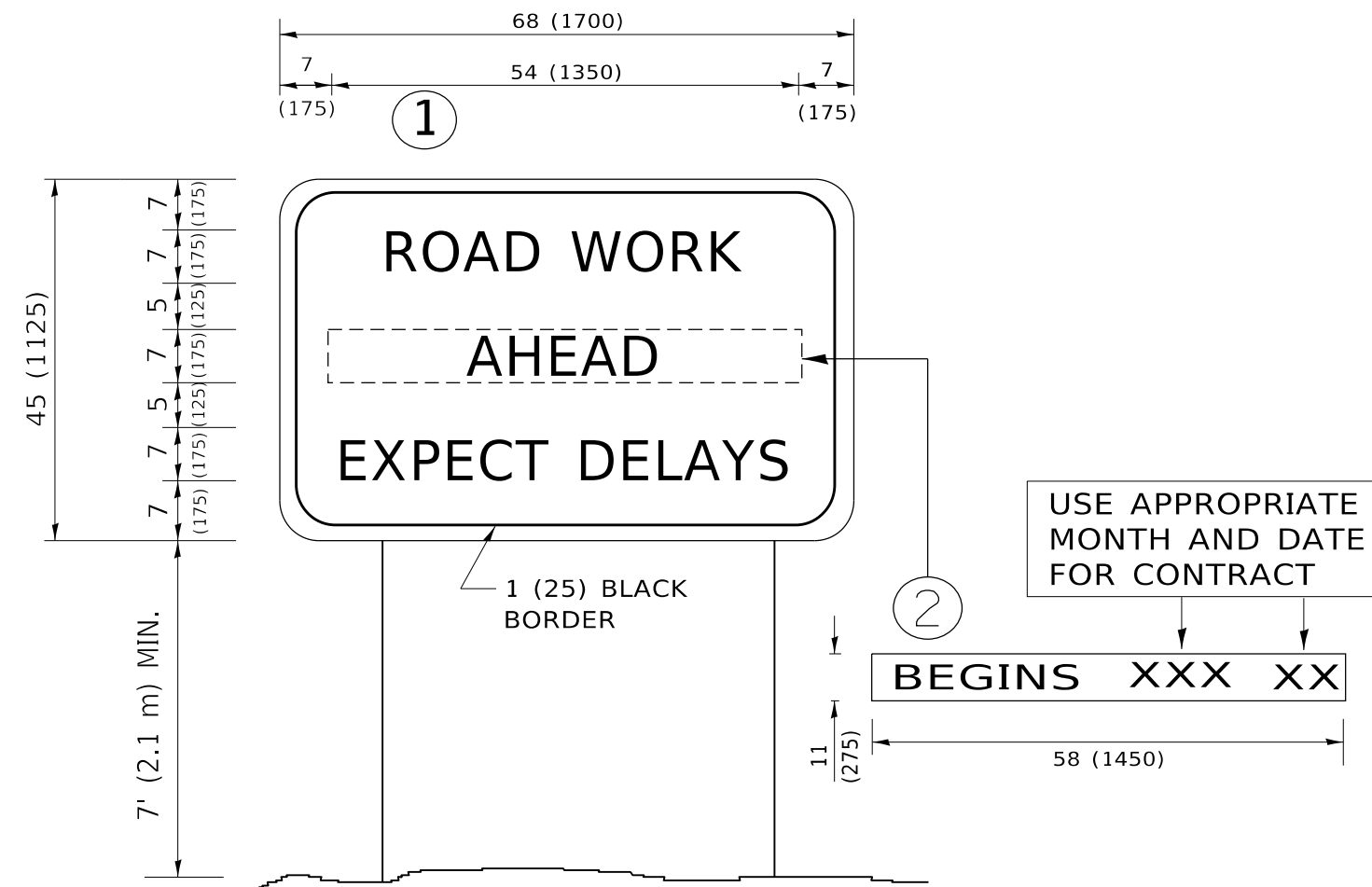
USER NAME = josephm	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0010' / In.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/14/2020	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
2843	3249-RS-3	COOK	36	34
TC-16		CONTRACT NO. 62C52		
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: \\nas01c.pw.us.ibm.com\data\illinois.gov\PW\DOT\Documents\DOT_Offices\District_1\Projects\135916\CADD\Design\Design\Dist1.dgn

USER NAME = josephm	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 = 12/14/2020	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.
2843	3249-RS-3	COOK	36	36
TC-22			CONTRACT NO. 62C52	
ILLINOIS FED. AID PROJECT				