

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 62L91	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF
GLENVIEW, NORTHFIELD, NORTHBROOK, AND
DEERFIELD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 348: ILLINOIS ROUTE 43 (WAUKEGAN ROAD)
AMMER ROAD TO LAKE-COOK ROAD

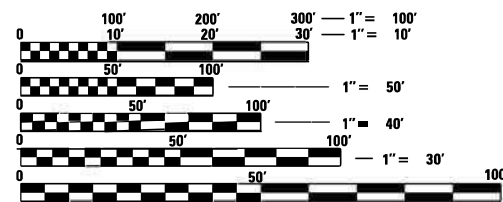
SECTION: 2020-113-RS
PROJECT: NHPP-KEZE(359)

SMART OVERLAY AND ADA IMPROVEMENTS

COOK COUNTY
C-91-310-20

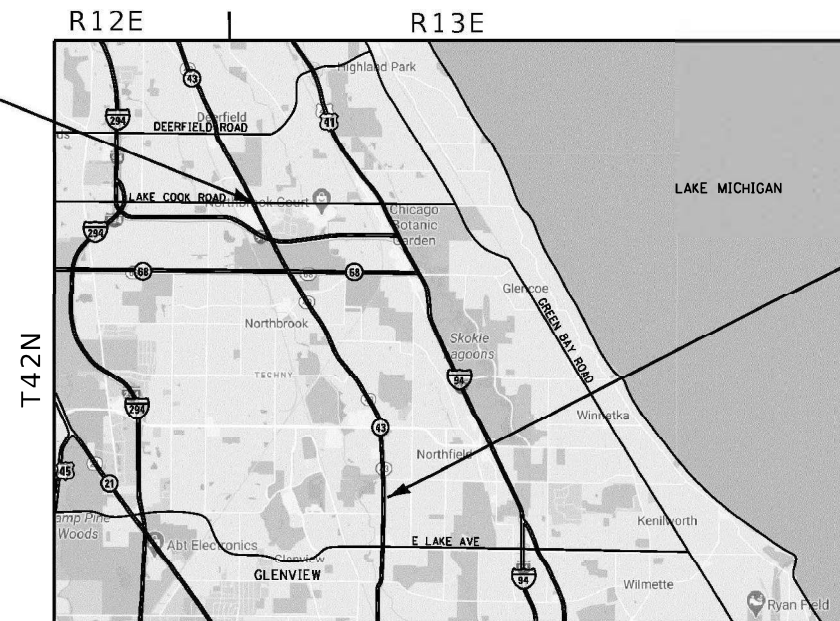
WAUKEGAN ROAD

2019 ADT = 23,600 - 30,500
POSTED SPEED = 35-45 MPH



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

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



NORTHFIELD TOWNSHIP

LOCATION MAP
NOT TO SCALE
GROSS LENGTH OF PROJECT = 25,575 FT. = 4.84 MILES
NET LENGTH OF PROJECT = 23,217 FT. = 4.40 MILES

PROJECT ENDS
STATION 270 + 70

PROJECT BEGINS
STATION 14 + 95

OMISSION
STA. 63 + 95 TO STA. 81 + 32
STA. 139 + 68 TO STA. 142 + 57
STA. 236 + 85 TO STA. 241 + 10

MILLENNIA PROFESSIONAL SERVICES
THOMAS V. NGO
IL. LIC. NO. 062-058379
EXPIRES 11/30/2021
SIGNED: *Thomas V. Ngo*
DATE: 03/16/2021
SIGNATURE AND SEAL APPLIES
TO DRWG NO 1 TO



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 11 2021
Jose Rivero
REGIONAL ENGINEER

May 7, 2021 *Joe E. A. Etk*
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021 *James J. Gu*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



PROJECT ENGINEER: DAN WILGREEN, P.E. (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL, P.E. (847) 705-4247

CONTRACT NO. 62L91

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LIST OF HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 442201-03 CLASS C AND D PATCHES
 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
 701301-04 LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > OR = 45 MPH
 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > OR = 45 MPH
 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < OR = 40 MPH
 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
 701502-09 URBAN LANE CLOSURE, 2L, 2W WITH DIRECTIONAL LEFT TURN LANE
 701601-09 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH NONTRAVERSABLE MEDIAN
 701602-10 URBAN LANE CLOSURE, 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 SIDEWALK, CORNER OR CROSSWALK CLOSURE
 701901-08 TRAFFIC CONTROL DEVICES
 886001-01 DETECTOR LOOP INSTALLATIONS

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS, BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE ILLINOIS TOLLWAY, AND VILLAGES OF GLENVIEW, NORTHFIELD, NORTHBROOK, AND DEERFIELD.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, 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 STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL WORK THAT IMPACTS I-94 (EDENS EXPRESSWAY) ENTRANCE AND EXIT RAMPS SHALL BE DONE DURING NIGHTTIME HOURS OF 12:00 AM TO 5:00 AM
- IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 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.
- 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.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL STAGES OF CONSTRUCTION.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THIS WORK IS NOT TO BE PAID SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- THE COST OF SAW CUTTING SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS REMOVAL PAY ITEMS.
- 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.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN ON THE PLANS.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE IV AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAILS (TC-13 & TC-14).
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

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 USER NAME = Millennium Professional Services



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	DRAWN -- JC	REVISED --
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PLOT DATE = 4/29/2021	DATE --	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES**

SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	2
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

REV-SEP

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PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	CONST. TYPE CODE	
				URBAN 80% FED 20% STATE	URBAN 100% STATE
				0005	0005
20101200	TREE ROOT PRUNING	EACH	3	3	
20200100	EARTH EXCAVATION	CU YD	181	181	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1217	1217	
25200110	SODDING, SALT TOLERANT	SQ YD	1217	1217	
25200200	SUPPLEMENTAL WATERING	UNIT	7	7	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	72467	72467	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	242	242	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1006	1006	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	893	893	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	244	244	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	15538	15538	
42001300	PROTECTIVE COAT	SQ YD	2240	2240	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13790	13790	
42400800	DETECTABLE WARNINGS	SQ FT	1173	1173	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	161037	161037	
44000600	SIDEWALK REMOVAL	SQ FT	12904	12904	
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	5314	5314	
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	2416	2416	

- SPECIALTY ITEM
- △ NON-PARTICIPATING (100% STATE)

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PLOT DATE = 3/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	3
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	CONST. TYPE CODE	
				URBAN 80% FED 20% STATE	URBAN 100% STATE
				0005	0005
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	966	966	
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	1449	1449	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	661	661	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	13	13	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	181	181	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	33	33	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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	

* SPECIALTY ITEM

△ NON-PARTICIPATING (100% STATE)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
SCHEDULE OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	4
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: N/A SHEET NO. 2 OF 5 SHEETS STA. TO STA.

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	CONST. TYPE CODE	
				URBAN 80% FED 20% STATE	URBAN 100% STATE
				0005	0005
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	8	8	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	14429	14429	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4810	4810	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2709	2709	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	80159	80159	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	14129	14129	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	915	915	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3324	3324	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1535	1535	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2709	2709	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	80159	80159	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	14129	14129	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	915	915	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3324	3324	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1535	1535	

* SPECIALTY ITEM
 Δ NON-PARTICIPATING (100% STATE)

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
 SCHEDULE OF QUANTITIES

SCALE: N/A SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	5
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	CONST. TYPE CODE	
				URBAN 80% FED 20% STATE	URBAN 100% STATE
				0005	0005
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2104	2104	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2104	2104	
• 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
• 88600600	DETECTOR LOOP REPLACEMENT	FOOT	5370	5370	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	2	2	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	
X0327036	BIKE PATH REMOVAL	SQ YD	108	108	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	363	363	
X1700062	BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	15	15	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	209	209	
X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	2	2	
X4400501	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	1399	1399	
△ X5537800	STORM SEWERS TO BE CLEANED 12'	FOOT	540		540
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	
X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	5	5	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	190	190	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	43497	43497	

• SPECIALTY ITEM

△ NON-PARTICIPATING (100% STATE)

REV-SEP

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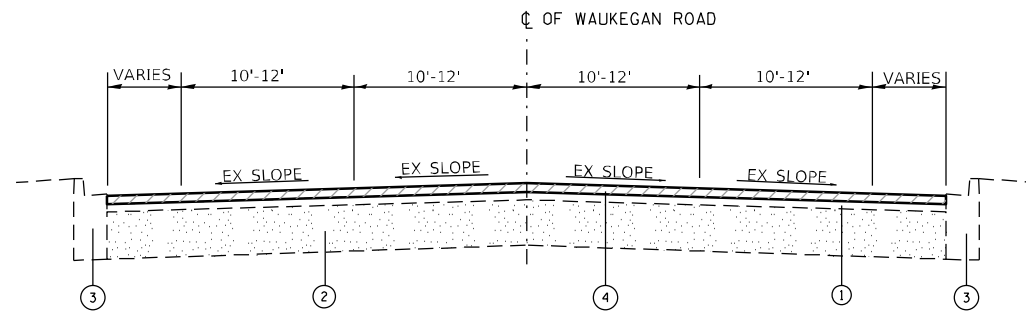
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET NO. 4 OF 5 SHEETS STA. TO STA.

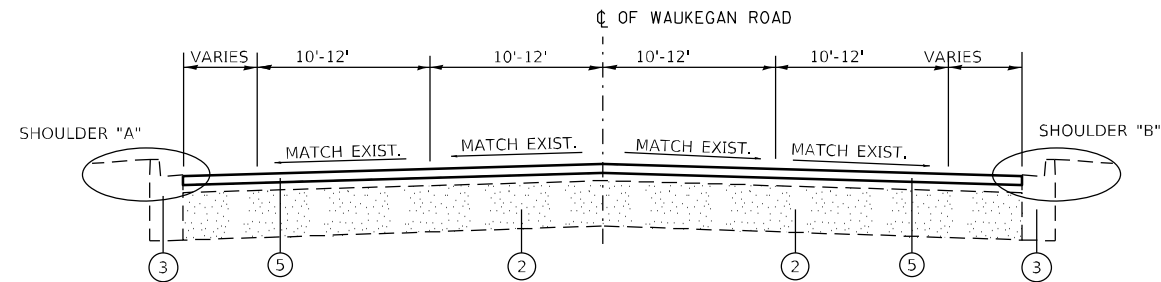
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348	2020-113-RS	COOK	55	6
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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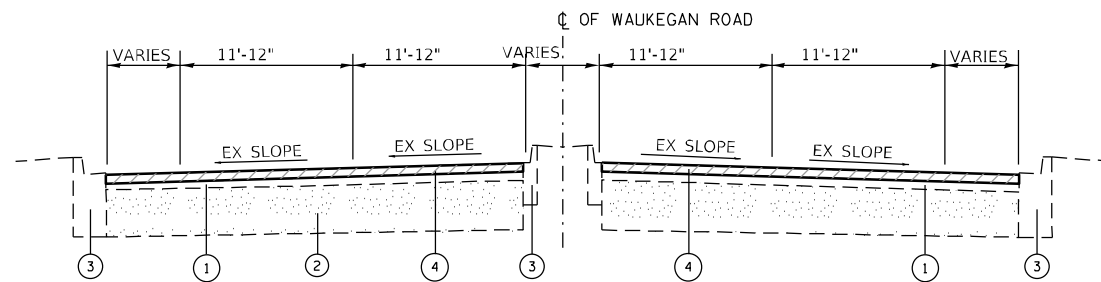
EXISTING TYPICAL SECTION

STA. 14+95 TO STA. 264+25**



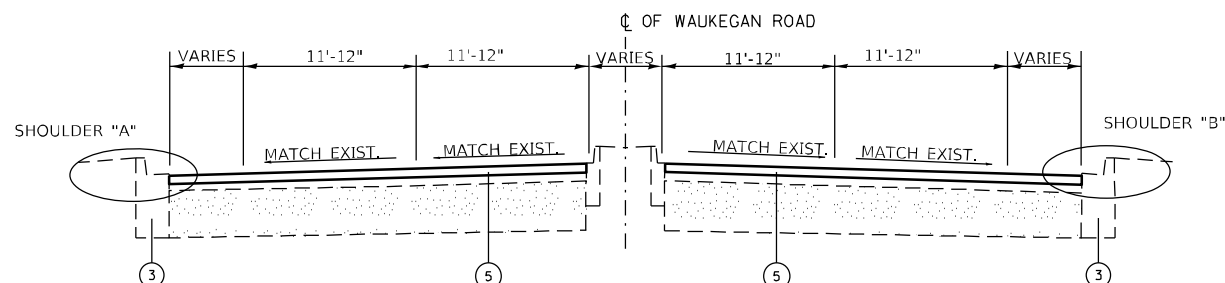
PROPOSED TYPICAL SECTION

STA. 14+95 TO STA. 264+25**



EXISTING TYPICAL SECTION

STA. 32+50 TO STA. 270+70**



PROPOSED TYPICAL SECTION

STA. 32+50 TO STA. 270+70**

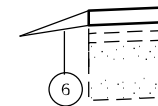
**** PROJECT OMISSIONS**

STA. 63+95 TO STA. 81+32
 STA. 139+68 TO STA. 142+57
 STA. 236+85 TO STA. 241+10

LEGENDS

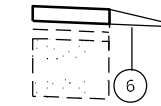
- ① EXISTING HMA SURFACE, 3"±
- ② EXISTING PCC BASE COURSE, 9"±
- ③ EXISTING COMB. CURB & GUTTER
- ④ HMA SURFACE REMOVAL - 1 3/4"
- ⑤ POLY HMA SC SMA 9.5 MIX F N80; 1 3/4"
- ⑥ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

SHOULDER SECTION



"A"

STA. 149+00 TO STA. 152+10
 STA. 93+10 TO STA. 137+10
 STA. 152+10 TO STA. 184+75
 STA. 220+10 TO STA. 243+00



"B"

STA. 86+00 TO STA. 93+10
 STA. 93+10 TO STA. 137+10
 STA. 152+10 TO STA. 184+75
 STA. 220+10 TO STA. 243+00

LONGITUDINAL JOINT SEALANT NOTE:

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE

HOT MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USES	MIXTURE TYPE	AIR VOIDS	QMP TYPE
SMART OVERLAY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"	3.5% @ 80 GYR.	PFP
SHOULDER RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"	4% @ 70 GYR.	QC/QA
PATCHING	CLASS D PATCHES (HMA IL-19 mm)	4% @ 70 GYR.	QC/QA
PATCHING	HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)

MIXTURE NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SQYD/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. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATIONS THAT APPLIES TO THE HMA MIXTURE.

PATCHING SEQUENCE NOTES:

- CONTRACTOR SHALL PERFORM PAVEMENT PATCHING, AS DIRECTED BY ENGINEER, PRIOR TO MILLING OPERATION.

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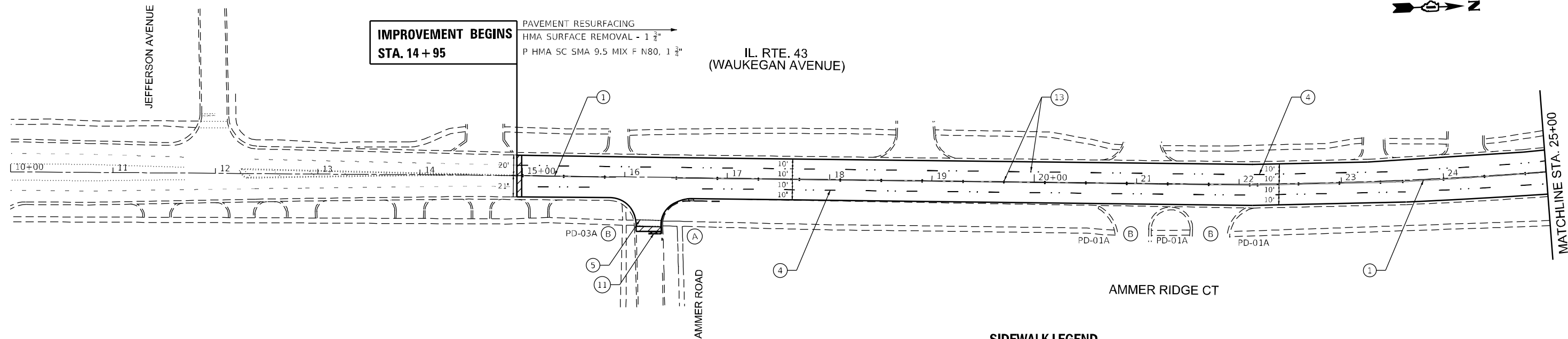
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
 TYPICAL SECTIONS**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 348	SECTION 2020-113-RS	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 8
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 62L91				

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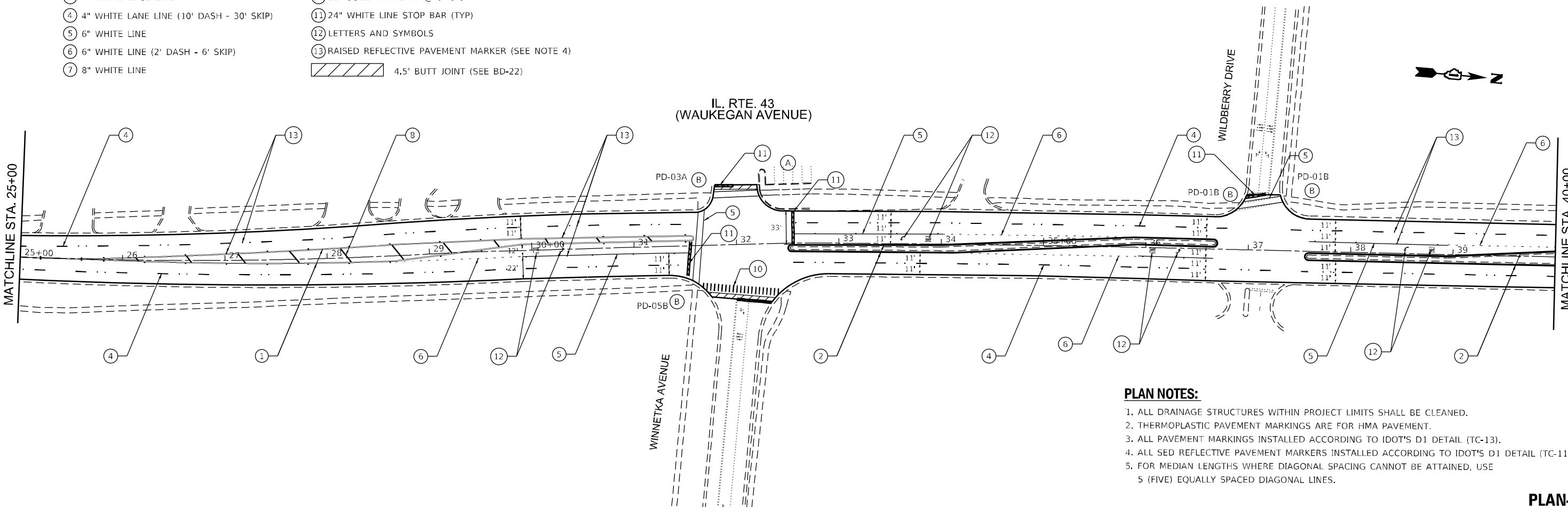


PAVEMENT MARKING LEGEND

- ① 4" DOUBLE YELLOW LINE @ 11" C-C
- ② 4" YELLOW LINE
- ③ 4" WHITE EDGE LINE
- ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- ⑤ 6" WHITE LINE
- ⑥ 6" WHITE LINE (2' DASH - 6' SKIP)
- ⑦ 8" WHITE LINE
- ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- ⑩ 12" SOLID WHITE AT @ 3' C-C
- ⑪ 24" WHITE LINE STOP BAR (TYP)
- ⑫ LETTERS AND SYMBOLS
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- 4.5' BUTT JOINT (SEE BD-22)

SIDEWALK LEGEND

- Ⓐ PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- Ⓑ PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)



PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

PLAN-01

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 USER NAME = Millennia Professional Services



USER NAME = mkochlcr	DESIGNED - TN	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

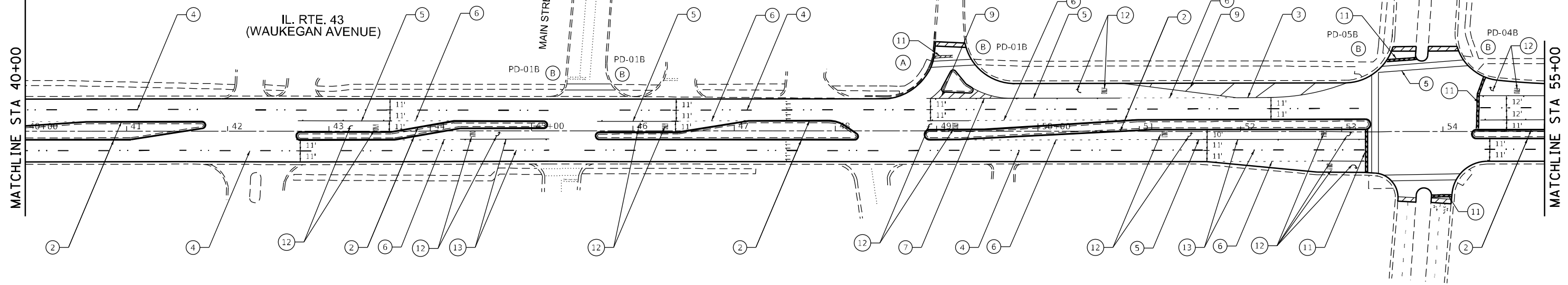
IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. 1 OF 9 SHEETS STA. 14+95 TO STA. 40+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	9
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

P:\2019\ME19003_Ver-Var-PHI\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\09-D162L91_Sht01_Waukegan_Plan.dgn

PAVEMENT RESURFACING
 HMA SURFACE REMOVAL - 1 3/4"
 P HMA SC SMA 9.5 MIX F N80, 1 3/4"

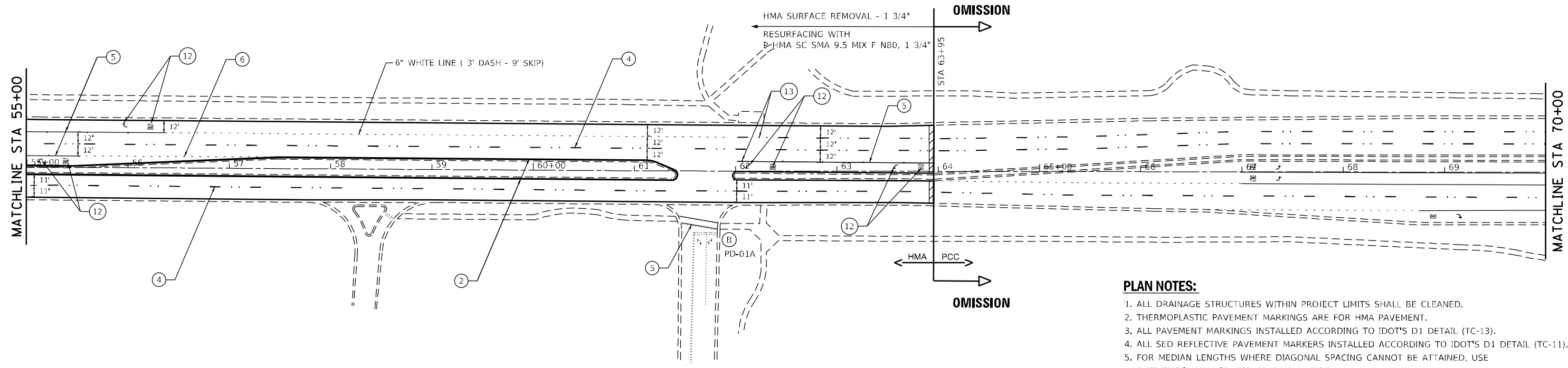


PAVEMENT MARKING LEGEND

- ① 4" DOUBLE YELLOW LINE @ 11' C-C
- ② 4" YELLOW LINE
- ③ 4" WHITE EDGE LINE
- ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- ⑤ 6" WHITE LINE
- ⑥ 6" WHITE LINE (2' DASH - 6' SKIP)
- ⑦ 8" WHITE LINE
- ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- ⑩ 12" SOLID WHITE AT @ 3' C-C
- ⑪ 24" WHITE LINE STOP BAR (TYP)
- ⑫ LETTERS AND SYMBOLS
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- ▨ 4.5' BUTT JOINT (SEE BD-22)

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)



PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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 USER NAME = Millennium Professional Services



USER NAME = mkochlcr	DESIGNED - TN	REVISED -
	DRAWN - JC	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED - TN	REVISED -
PLOT DATE = 3/15/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

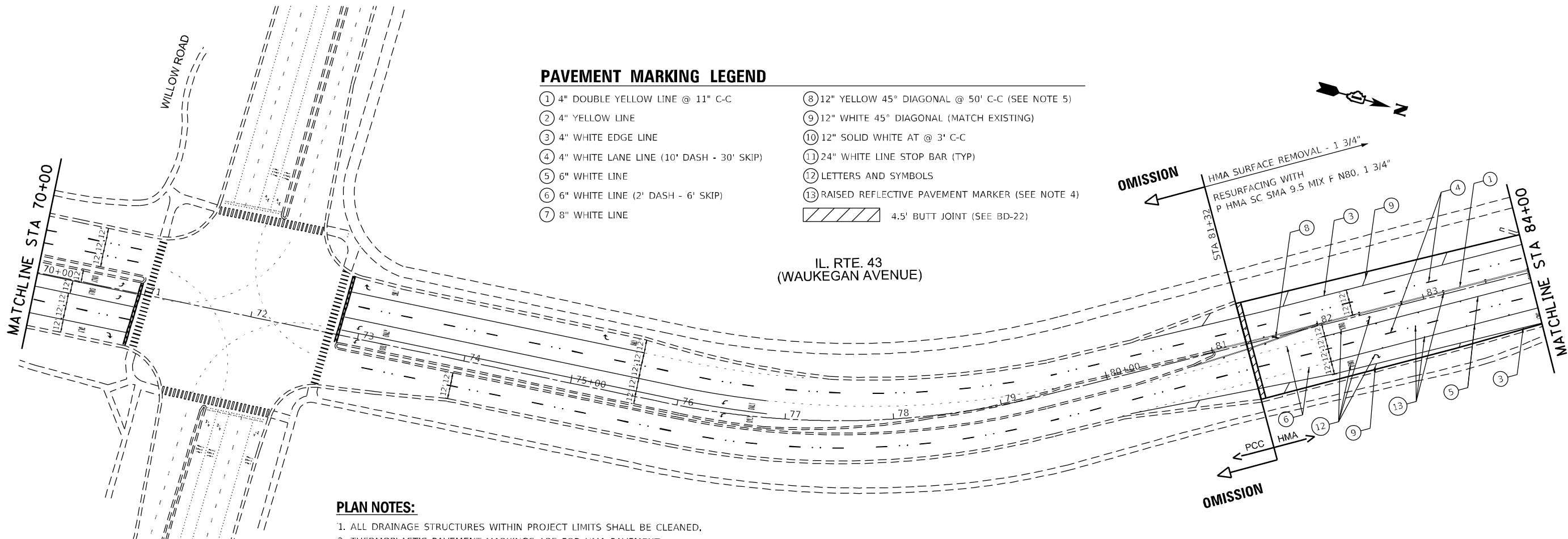
**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
 ROADWAY AND PAVEMENT MARKING PLAN**

F.A.P. RTE. 348	SECTION 2020-113-RS	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 10
CONTRACT NO. 62L91				

PLAN-02

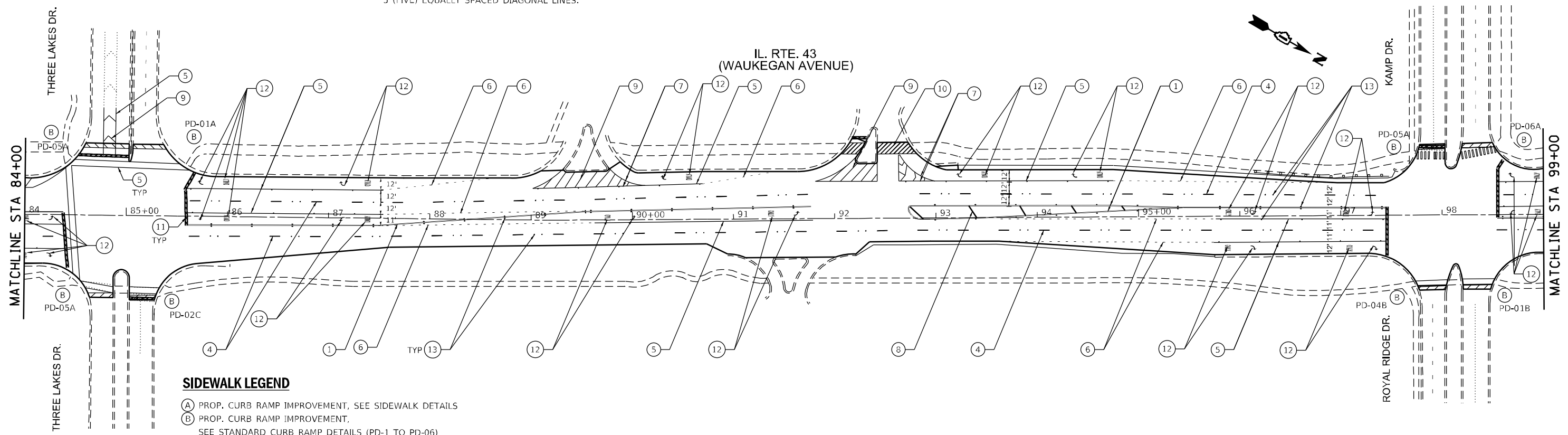
PAVEMENT MARKING LEGEND

- ① 4" DOUBLE YELLOW LINE @ 11" C-C
- ② 4" YELLOW LINE
- ③ 4" WHITE EDGE LINE
- ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- ⑤ 6" WHITE LINE
- ⑥ 6" WHITE LINE (2' DASH - 6' SKIP)
- ⑦ 8" WHITE LINE
- ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- ⑩ 12" SOLID WHITE AT @ 3' C-C
- ⑪ 24" WHITE LINE STOP BAR (TYP)
- ⑫ LETTERS AND SYMBOLS
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- ▨ 4.5' BUTT JOINT (SEE BD-22)



PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.



SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

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USER NAME = mkochlcr	DESIGNED - TN	REVISED -
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PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 3 OF 9 SHEETS STA. 70+00 TO STA. 99+00

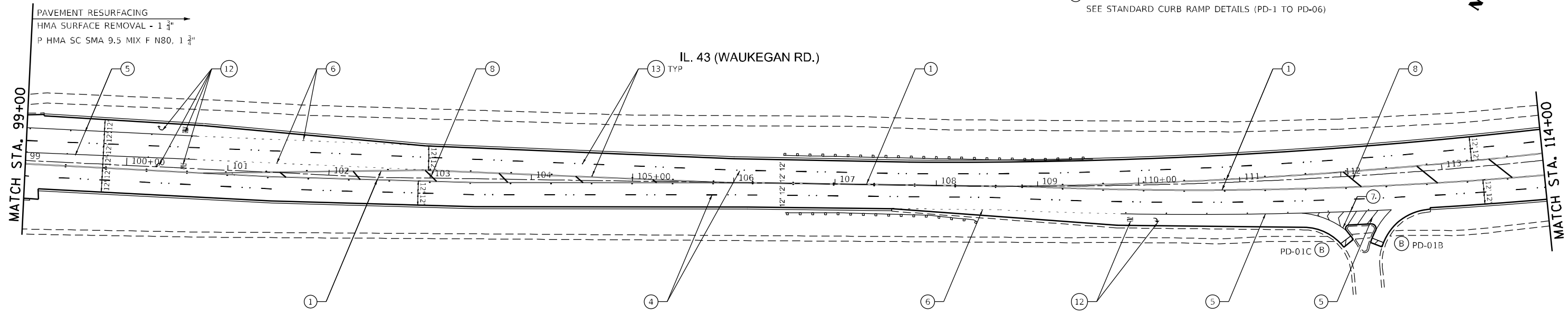
F.A.P. RTE. 348	SECTION 2020-113-RS	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 11
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN-03

P:\2019\ME19003_Ver-Var-PH1\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\11-D162L91_Sht03_Waukegan_Plan.dgn

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

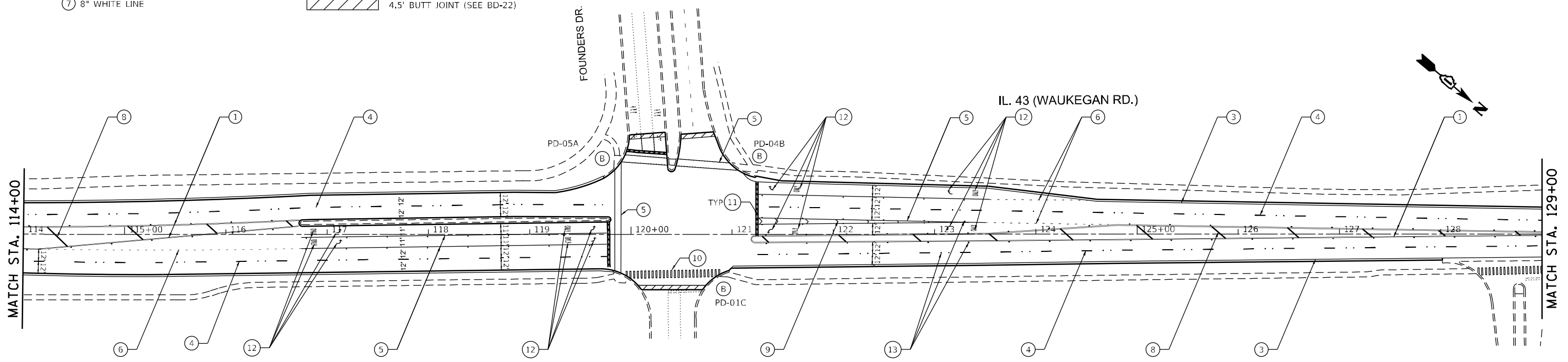


PAVEMENT MARKING LEGEND

- (1) 4" DOUBLE YELLOW LINE @ 11" C-C
- (2) 4" YELLOW LINE
- (3) 4" WHITE EDGE LINE
- (4) 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- (5) 6" WHITE LINE
- (6) 6" WHITE LINE (2' DASH - 6' SKIP)
- (7) 8" WHITE LINE
- (8) 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- (9) 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- (10) 12" SOLID WHITE AT @ 3' C-C
- (11) 24" WHITE LINE STOP BAR (TYP)
- (12) LETTERS AND SYMBOLS
- (13) RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- [Hatched Box] 4.5' BUTT JOINT (SEE BD-22)

PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.



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PLOT SCALE = 100.0000 / in.	DRAWN - JC	REVISED -
PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN**

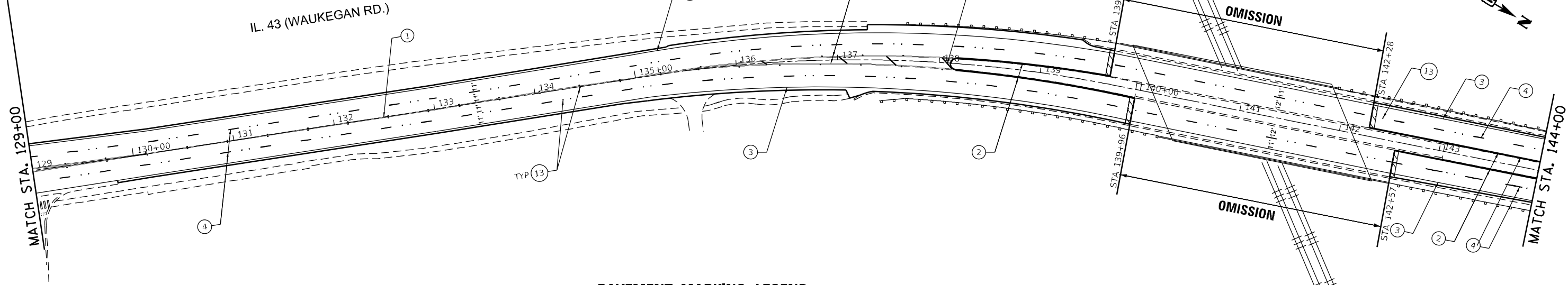
SCALE: 1"=50' SHEET NO. 4 OF 9 SHEETS STA. 99+00 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	12
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN-04

P:\2019\ME19003_Ver-Var-Ph1\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\12-D162L91_Sht04_Waukegan_Plan.dgn

PAVEMENT RESURFACING
 HMA SURFACE REMOVAL - 1 3/4"
 P HMA SC SMA 9.5 MIX F N80, 1 3/4"

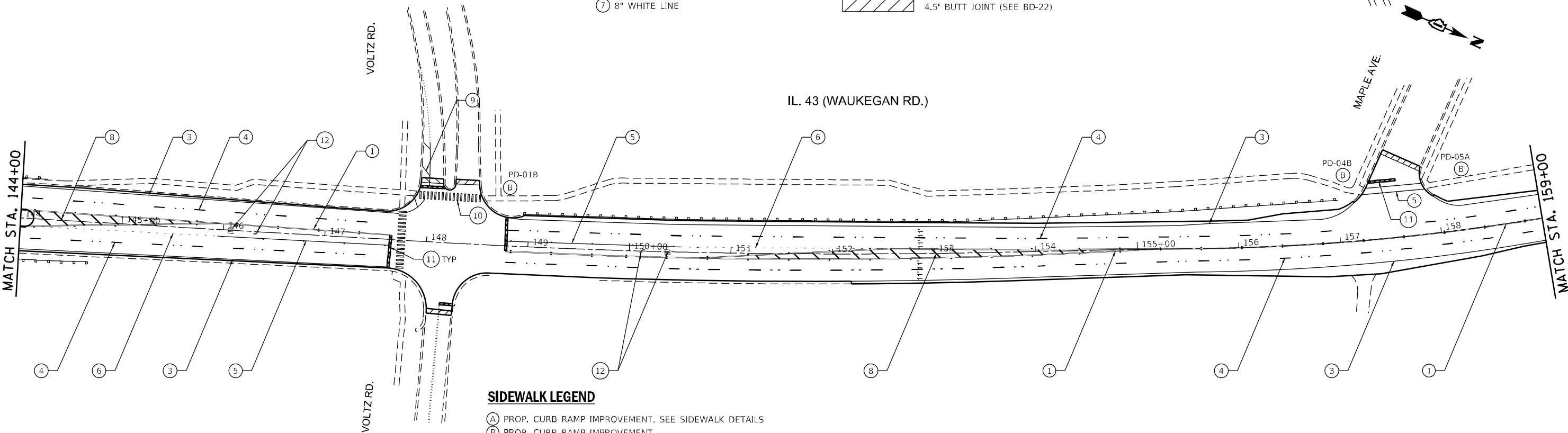


PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

PAVEMENT MARKING LEGEND

- | | |
|--|--|
| ① 4" DOUBLE YELLOW LINE @ 11" C-C | ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5) |
| ② 4" YELLOW LINE | ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING) |
| ③ 4" WHITE EDGE LINE | ⑩ 12" SOLID WHITE AT @ 3' C-C |
| ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP) | ⑪ 24" WHITE LINE STOP BAR (TYP) |
| ⑤ 6" WHITE LINE | ⑫ LETTERS AND SYMBOLS |
| ⑥ 6" WHITE LINE (2' DASH - 6' SKIP) | ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4) |
| ⑦ 8" WHITE LINE | ▨ 4.5' BUTT JOINT (SEE BD-22) |



SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
 (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

PLAN-05

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
 ROADWAY AND PAVEMENT MARKING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	13
CONTRACT NO. 62L91				

SCALE: 1"=50' SHEET NO. 5 OF 9 SHEETS STA. 129+00 TO STA. 159+00

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

FILE NAME = P:\2019\ME19003_Ver-Var-PH1\W030_62L91_IL_Rte 43 Waukegan\01-CADD\02-Shts\13-D162L91_Sht05 Waukegan Plan.dgn
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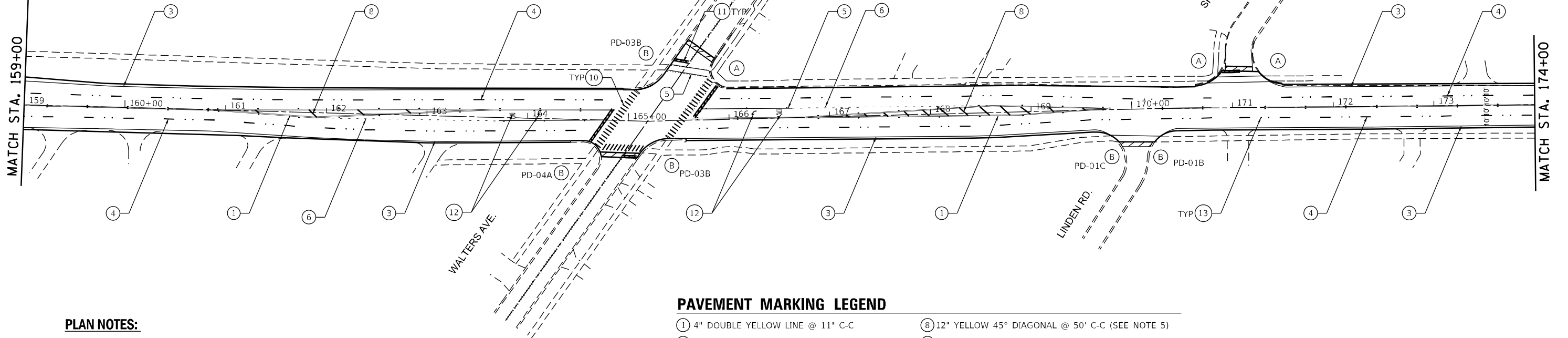
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	DATE -	REVISED -

P:\2019\ME19003_Ver-Var-PH1\W030_62L91_IL_Rte 43 Waukegan\01-CADD\02-Shts\13-D162L91_Sht05 Waukegan Plan.dgn

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

PAVEMENT RESURFACING
 HMA SURFACE REMOVAL - 1 1/2"
 P HMA SC SMA 9.5 MIX F N80, 1 1/2"

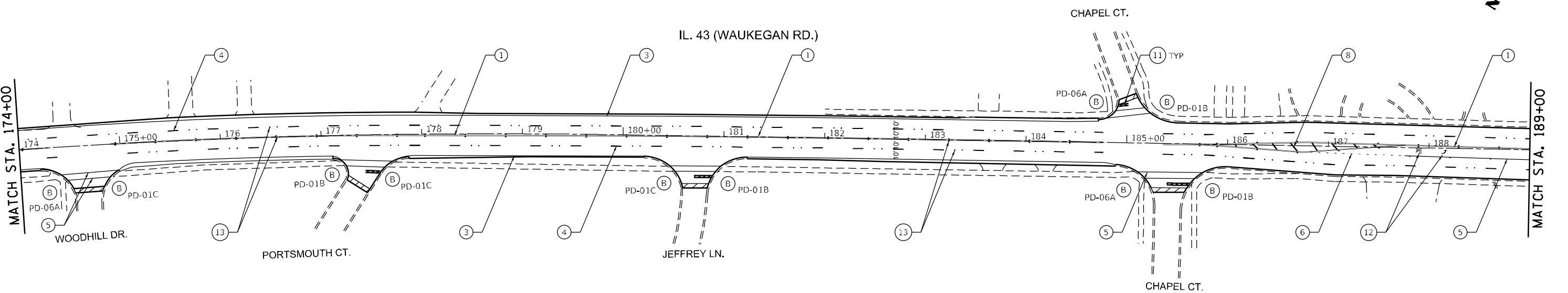


PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

PAVEMENT MARKING LEGEND

- ① 4" DOUBLE YELLOW LINE @ 11" C-C
- ② 4" YELLOW LINE
- ③ 4" WHITE EDGE LINE
- ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- ⑤ 6" WHITE LINE
- ⑥ 6" WHITE LINE (2' DASH - 6' SKIP)
- ⑦ 8" WHITE LINE
- ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- ⑩ 12" SOLID WHITE AT @ 3' C-C
- ⑪ 24" WHITE LINE STOP BAR (TYP)
- ⑫ LETTERS AND SYMBOLS
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- ▨ 4.5' BUTT JOINT (SEE BD-22)



PLAN-06

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
 ROADWAY AND PAVEMENT MARKING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	14
CONTRACT NO. 62L91				

SCALE: 1"=50' SHEET NO. 6 OF 9 SHEETS STA. 159+00 TO STA. 189+00

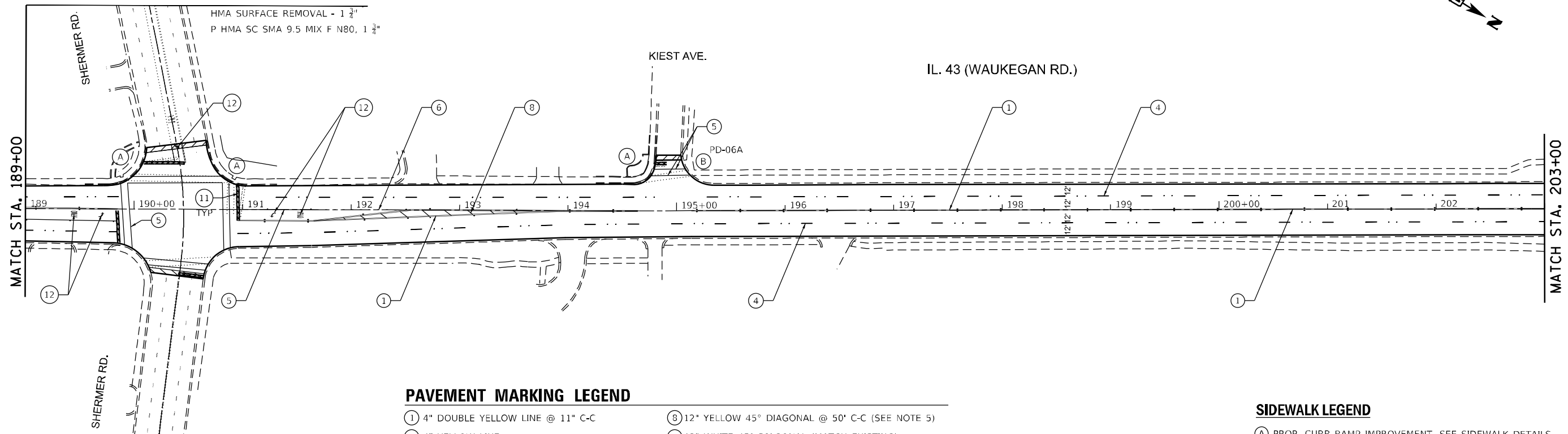
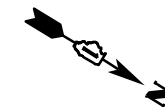
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

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 USER NAME = Millennium Professional Services




USER NAME = mkochlcr	DESIGNED - TN	REVISED -
PLOT SCALE = 100.0000 / in.	DRAWN - JC	REVISED -
PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
	DATE -	REVISED -

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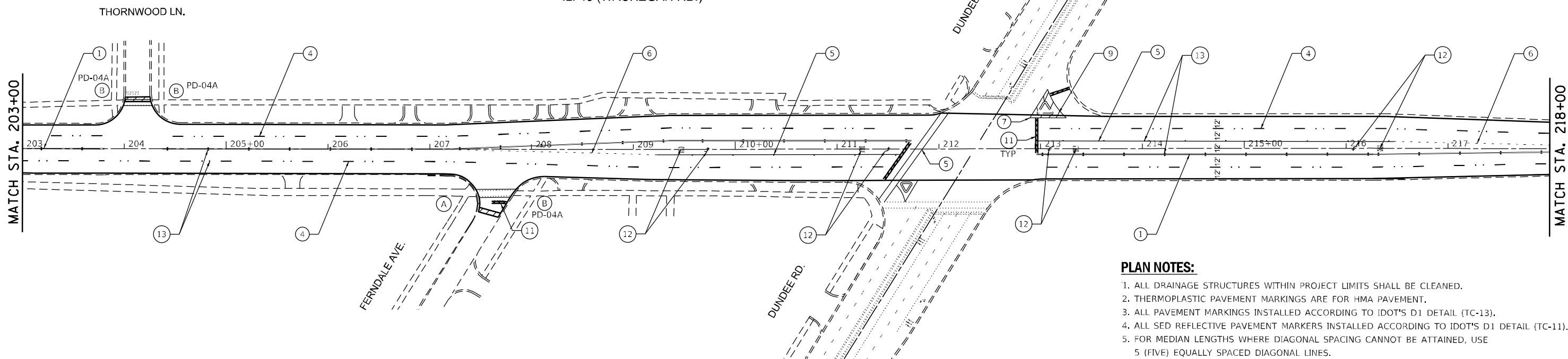
PAVEMENT MARKING LEGEND

- | | |
|--|---|
| ① 4" DOUBLE YELLOW LINE @ 11" C-C | ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5) |
| ② 4" YELLOW LINE | ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING) |
| ③ 4" WHITE EDGE LINE | ⑩ 12" SOLID WHITE AT @ 3' C-C |
| ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP) | ⑪ 24" WHITE LINE STOP BAR (TYP) |
| ⑤ 6" WHITE LINE | ⑫ LETTERS AND SYMBOLS |
| ⑥ 6" WHITE LINE (2' DASH - 6' SKIP) | ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4) |
| ⑦ 8" WHITE LINE |  4.5' BUTT JOINT (SEE BD-22) |

SIDEWALK LEGEND

- Ⓐ PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- Ⓑ PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

IL 43 (WAUKEGAN RD.)



PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

PLAN-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	15
CONTRACT NO. 62L91				

SCALE: 1"=50' SHEET NO. 7 OF 9 SHEETS STA. 189+00 TO STA. 218+00

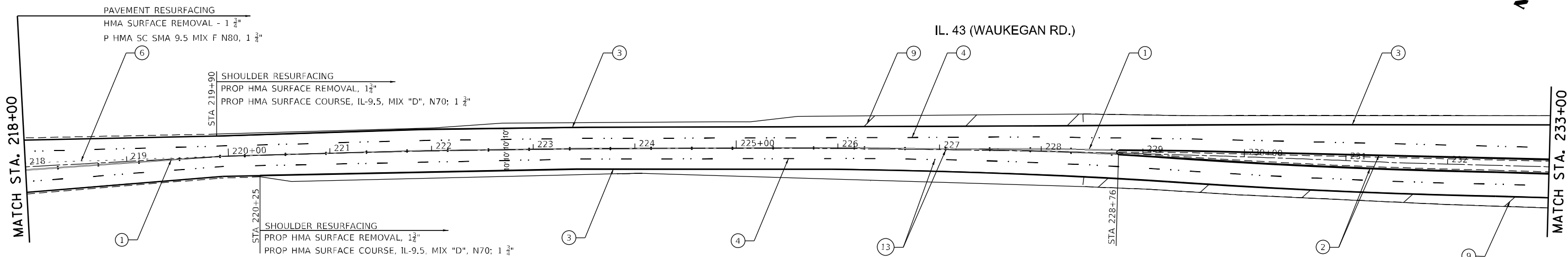
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

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 USER NAME = Millennium Professional Services




USER NAME = mkochlcr	DESIGNED - TN	REVISED -
PLOT SCALE = 100.0000 / in.	DRAWN - JC	REVISED -
PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
	DATE -	REVISED -

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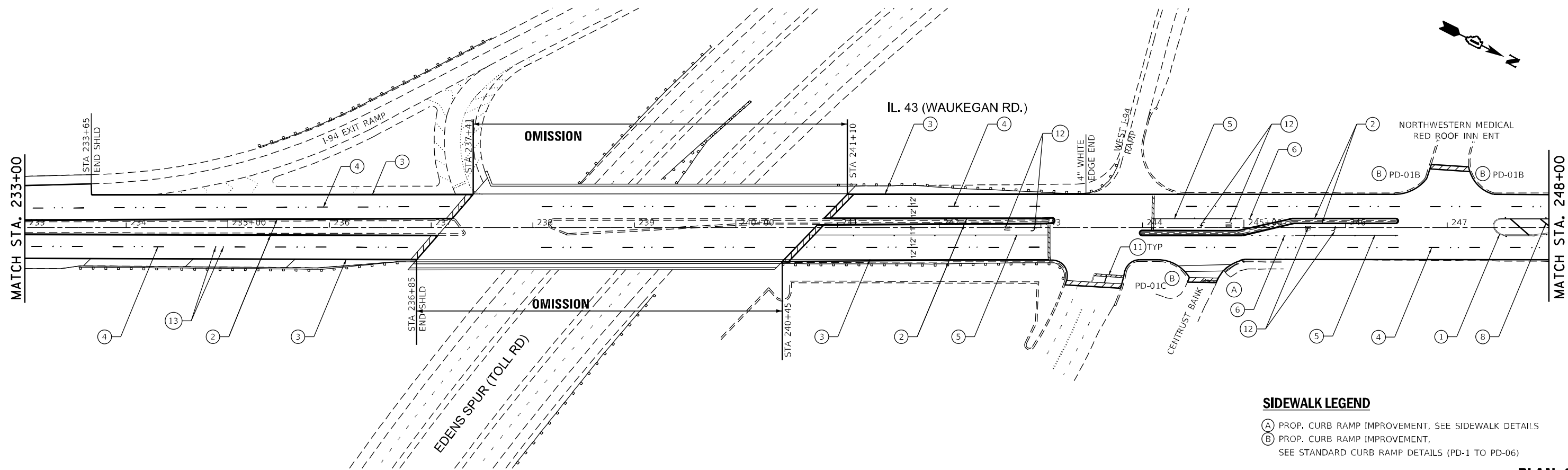


PAVEMENT MARKING LEGEND

- | | |
|--|---|
| ① 4" DOUBLE YELLOW LINE @ 11" C-C | ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5) |
| ② 4" YELLOW LINE | ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING) |
| ③ 4" WHITE EDGE LINE | ⑩ 12" SOLID WHITE AT @ 3' C-C |
| ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP) | ⑪ 24" WHITE LINE STOP BAR (TYP) |
| ⑤ 6" WHITE LINE | ⑫ LETTERS AND SYMBOLS |
| ⑥ 6" WHITE LINE (2' DASH - 6' SKIP) | ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4) |
| ⑦ 8" WHITE LINE |  4.5' BUTT JOINT (SEE BD-22) |

PLAN NOTES:

- ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
- THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
- ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
- ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
- FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.



SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)

PLAN-08

FILE NAME = P:\2019\ME19003_Ver-Var-PhI\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\16-D162L91_Sht08_Waukegan_Plan.dgn
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 USER NAME = Millennia Professional Services



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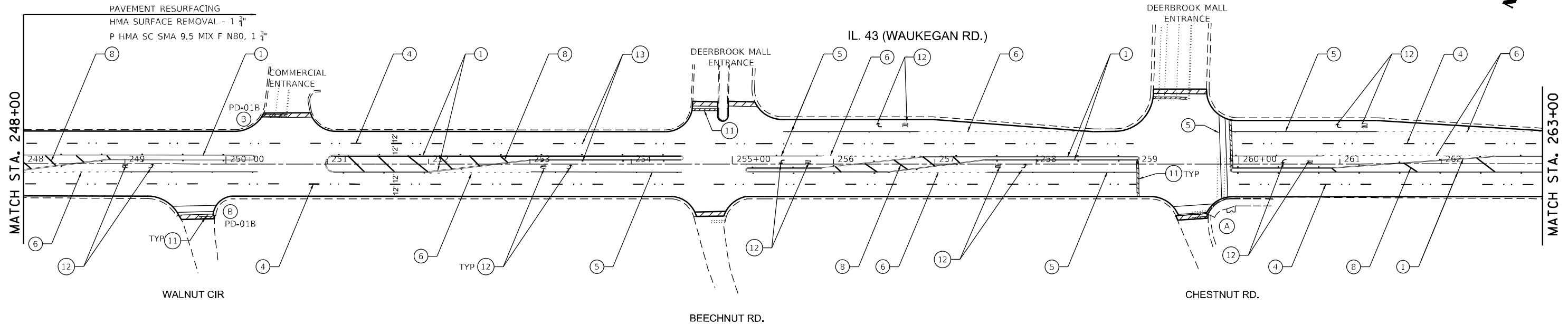
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN

F.A.P. RTE. 348	SECTION 2020-113-RS	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 16
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 8 OF 9 SHEETS STA. 218+00 TO STA. 248+00

P:\2019\ME19003_Ver-Var-PhI\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\16-D162L91_Sht08_Waukegan_Plan.dgn

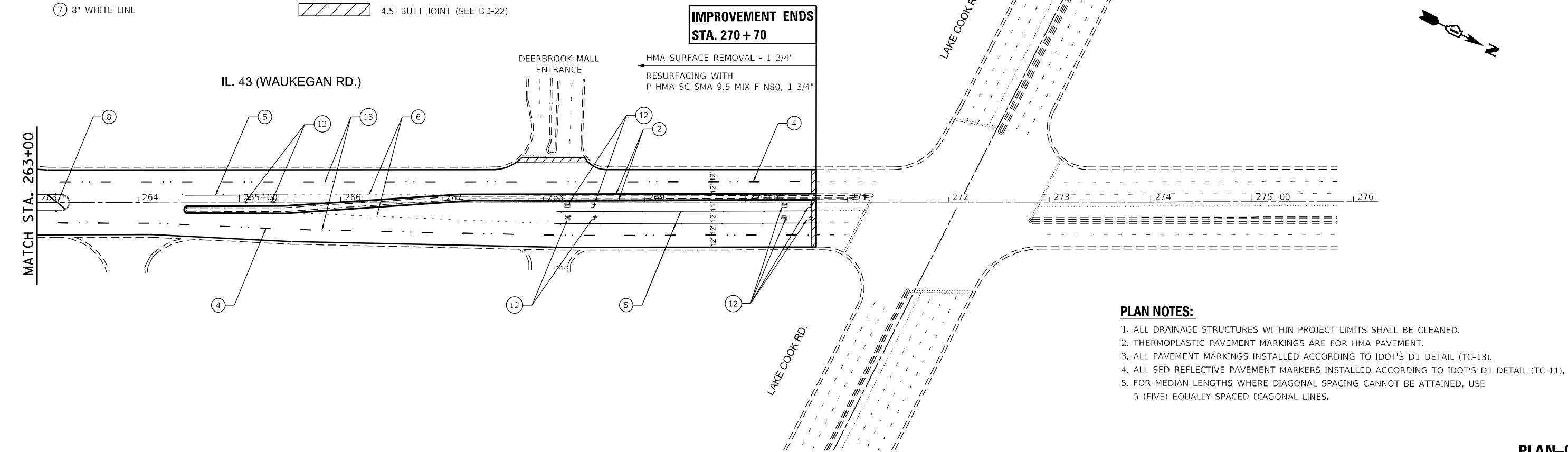


PAVEMENT MARKING LEGEND

- ① 4" DOUBLE YELLOW LINE @ 11" C-C
- ② 4" YELLOW LINE
- ③ 4" WHITE EDGE LINE
- ④ 4" WHITE LANE LINE (10' DASH - 30' SKIP)
- ⑤ 6" WHITE LINE
- ⑥ 6" WHITE LINE (2' DASH - 6' SKIP)
- ⑦ 8" WHITE LINE
- ⑧ 12" YELLOW 45° DIAGONAL @ 50' C-C (SEE NOTE 5)
- ⑨ 12" WHITE 45° DIAGONAL (MATCH EXISTING)
- ⑩ 12" SOLID WHITE AT @ 3' C-C
- ⑪ 24" WHITE LINE STOP BAR (TYP)
- ⑫ LETTERS AND SYMBOLS
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
- ▨ 4.5' BUTT JOINT (SEE BD-22)

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAILS
- (B) PROP. CURB RAMP IMPROVEMENT, SEE STANDARD CURB RAMP DETAILS (PD-1 TO PD-06)



PLAN NOTES:

1. ALL DRAINAGE STRUCTURES WITHIN PROJECT LIMITS SHALL BE CLEANED.
2. THERMOPLASTIC PAVEMENT MARKINGS ARE FOR HMA PAVEMENT.
3. ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-13).
4. ALL SED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT'S D1 DETAIL (TC-11).
5. FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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 USER NAME = Millennium Professional Services



USER NAME = mkochlcr	DESIGNED - TN	REVISED -
	DRAWN - JC	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TN	REVISED -
PLOT DATE = 3/15/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 43 (WAUKEGAN RD.) AMMER RD. TO LAKE COOK RD.
ROADWAY AND PAVEMENT MARKING PLAN

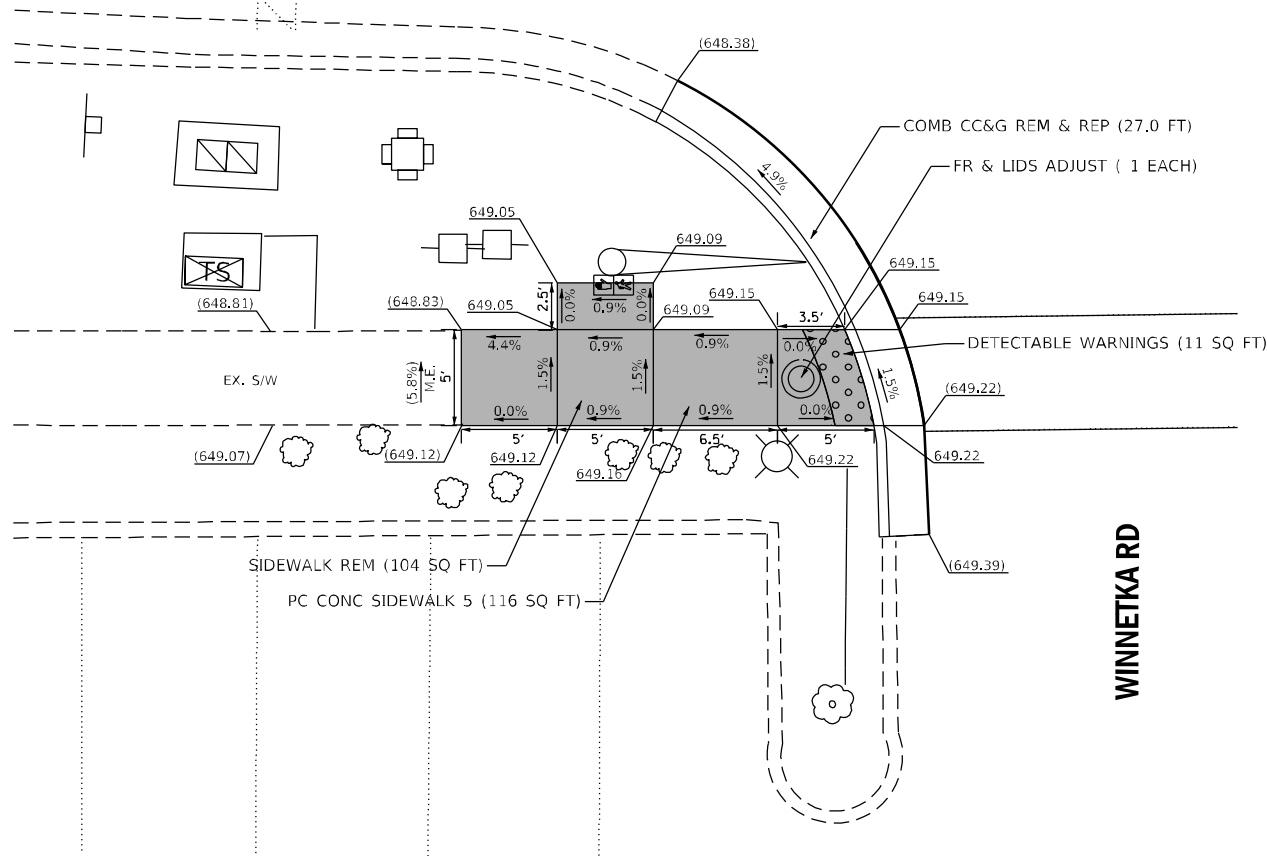
SCALE: 1"=50' SHEET NO. 9 OF 9 SHEETS STA. 248+00 TO STA. 270+70

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	17
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN-09

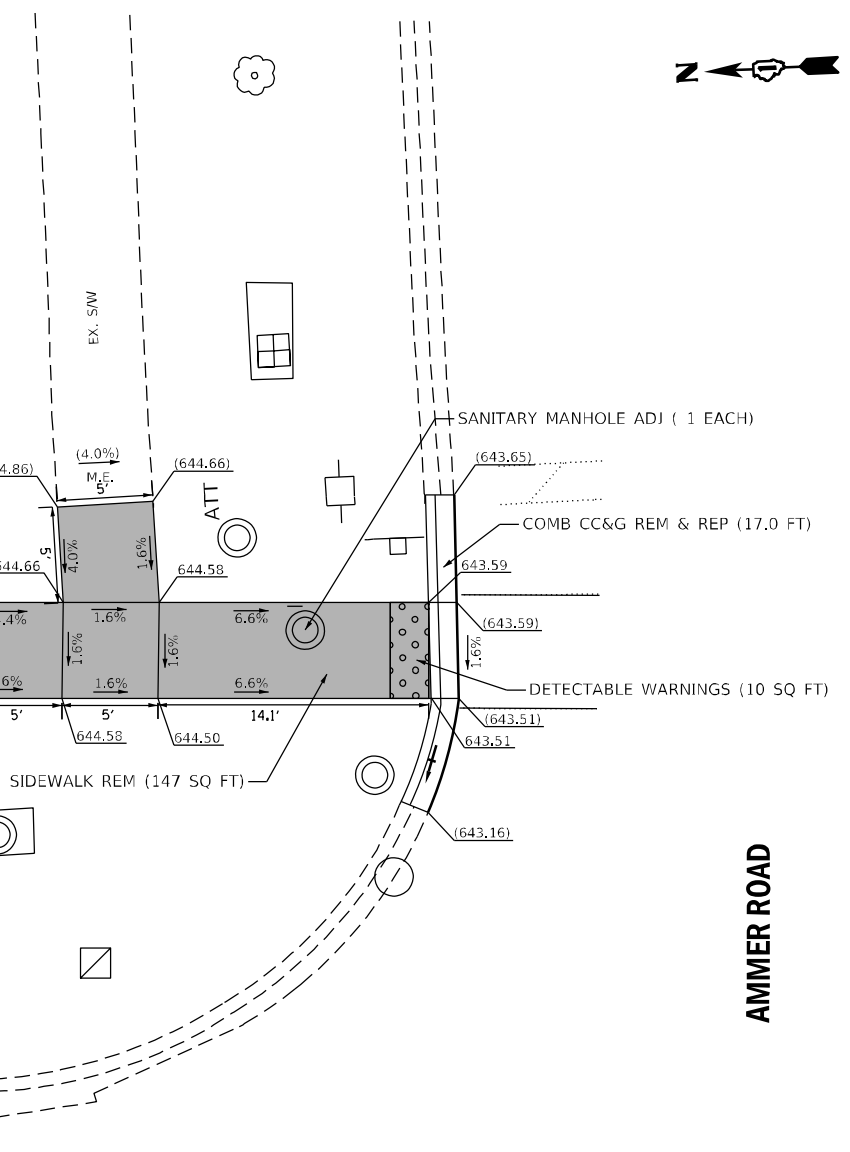
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IL ROUTE 43 (WAUKEGAN ROAD) →



WINNETKA RD

NW CORNER



AMMER ROAD

← IL ROUTE 43 (WAUKEGAN ROAD)

NE CORNER



ADA-01

REFERENCE BENCHMARK ELEV: 649.347
 BENCHMARK : SQUARE CUT ON SW CORNER OF TRAFFIC CONTROLLER BASE
 LOCATION : NW CORNER OF WINNETKA RD AND IL RTE 43 (WAUKEGAN RD)

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV: 644.660
 BENCHMARK : X-CUT ON SW BOLT OF FIRE HYDRANT
 LOCATION : NW CORNER OF AMMER RD AND IL RTE 43 (WAUKEGAN RD)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 IL ROUTE 43 (WAUKEGAN ROAD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	19
CONTRACT NO. 62L91				

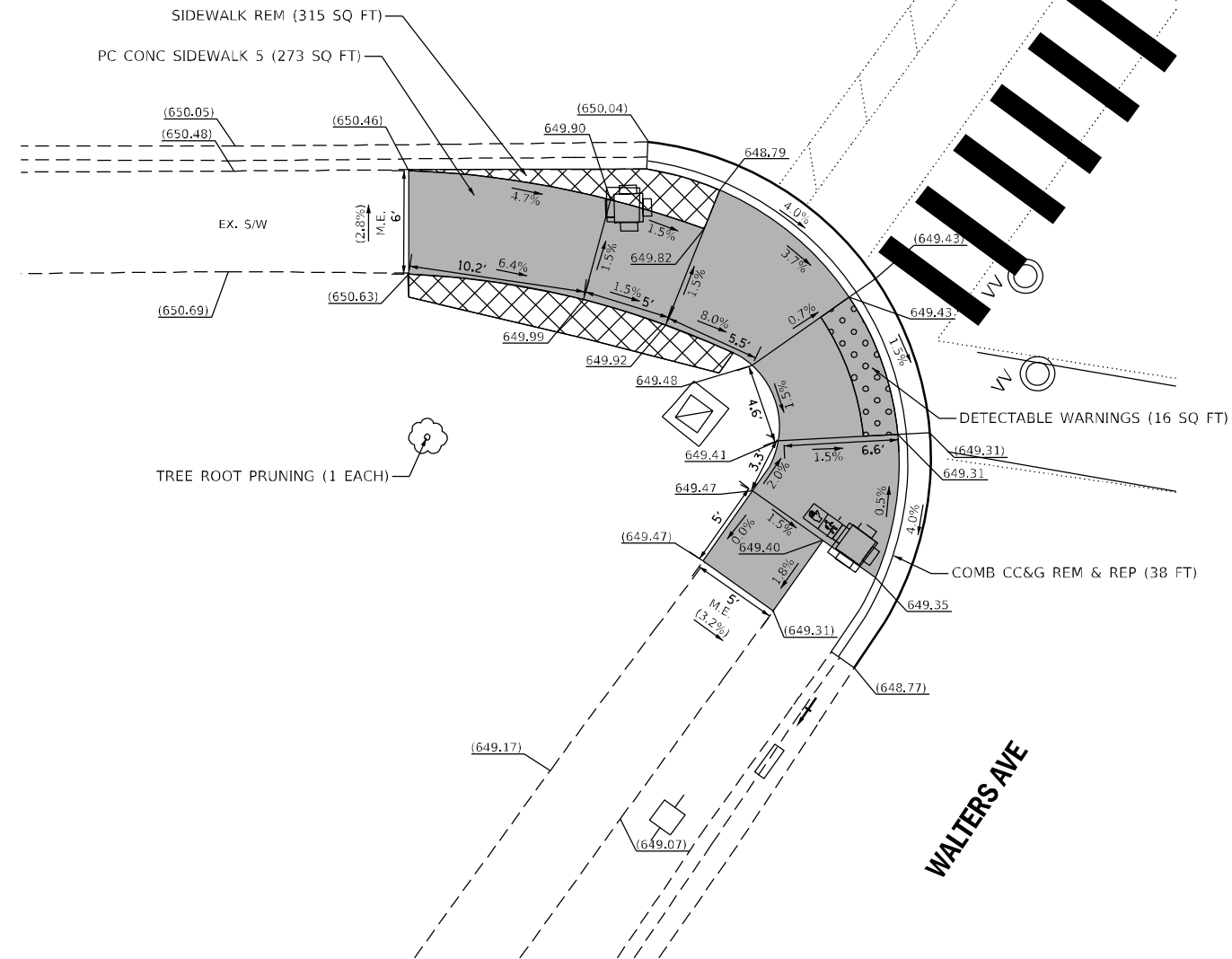
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	DATE - 3/15/2021	REVISED -

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

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 USER NAME = Millennium Professional Services



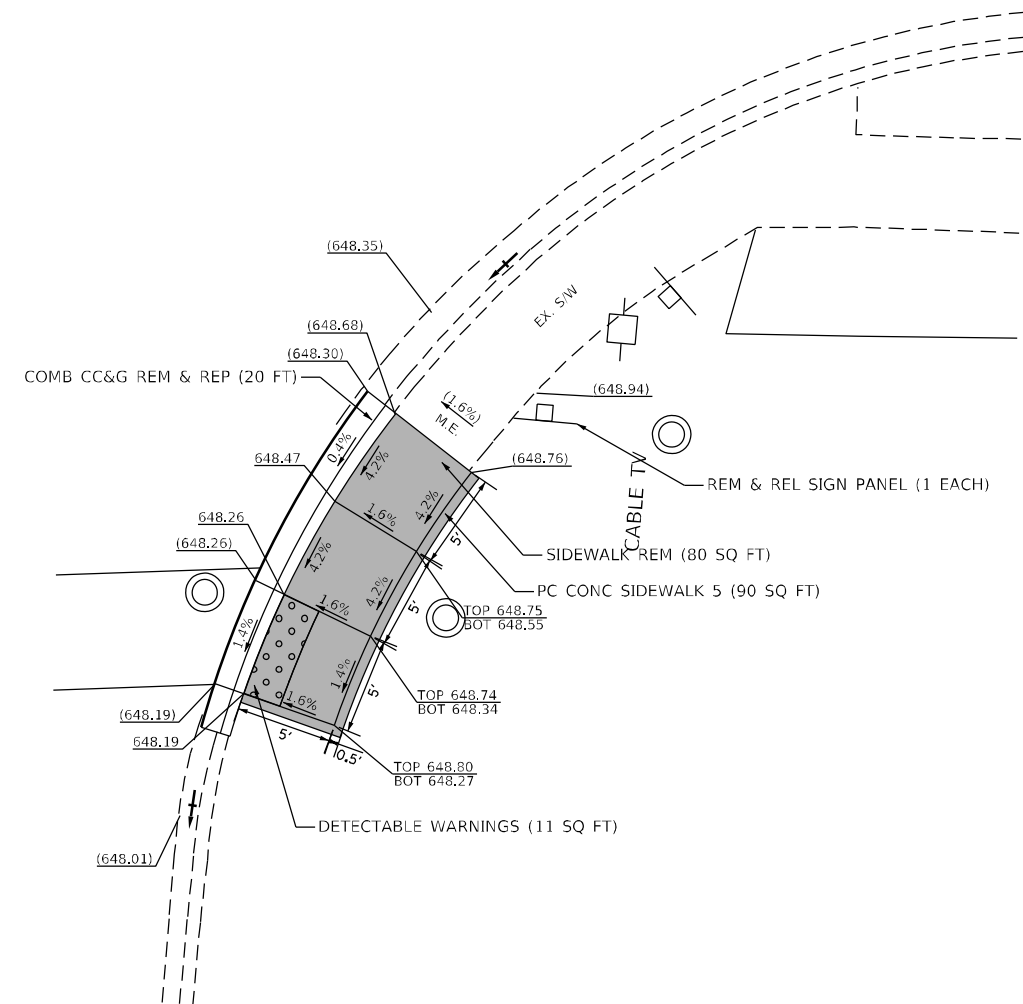
IL ROUTE 43 (WAUKEGAN ROAD) →



NW CORNER



IL ROUTE 43 (WAUKEGAN ROAD) →



SW CORNER



ADA-02

REFERENCE BENCHMARK ELEV: 649.60
 BENCHMARK : SQUARE CUT IN NE CORNER OF TRAFFIC SIGNAL POST'S CONCRETE BASE
 LOCATION : NW CORNER OF WALTERS AVE AND IL RTE 43 (WAUKEGAN RD)

LEGEND

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

REFERENCE BENCHMARK ELEV: 649.764
 BENCHMARK : NE BOLT AT FIRE HYDRANT
 LOCATION : NW CORNER OF MALL (JEWEL OSCO) ENTRANCE AND IL RTE 43 (WAUKEGAN RD)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

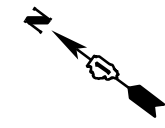
SIDEWALK DETAIL PLAN
 IL ROUTE 43 (WAUKEGAN ROAD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	20
CONTRACT NO. 62L91				

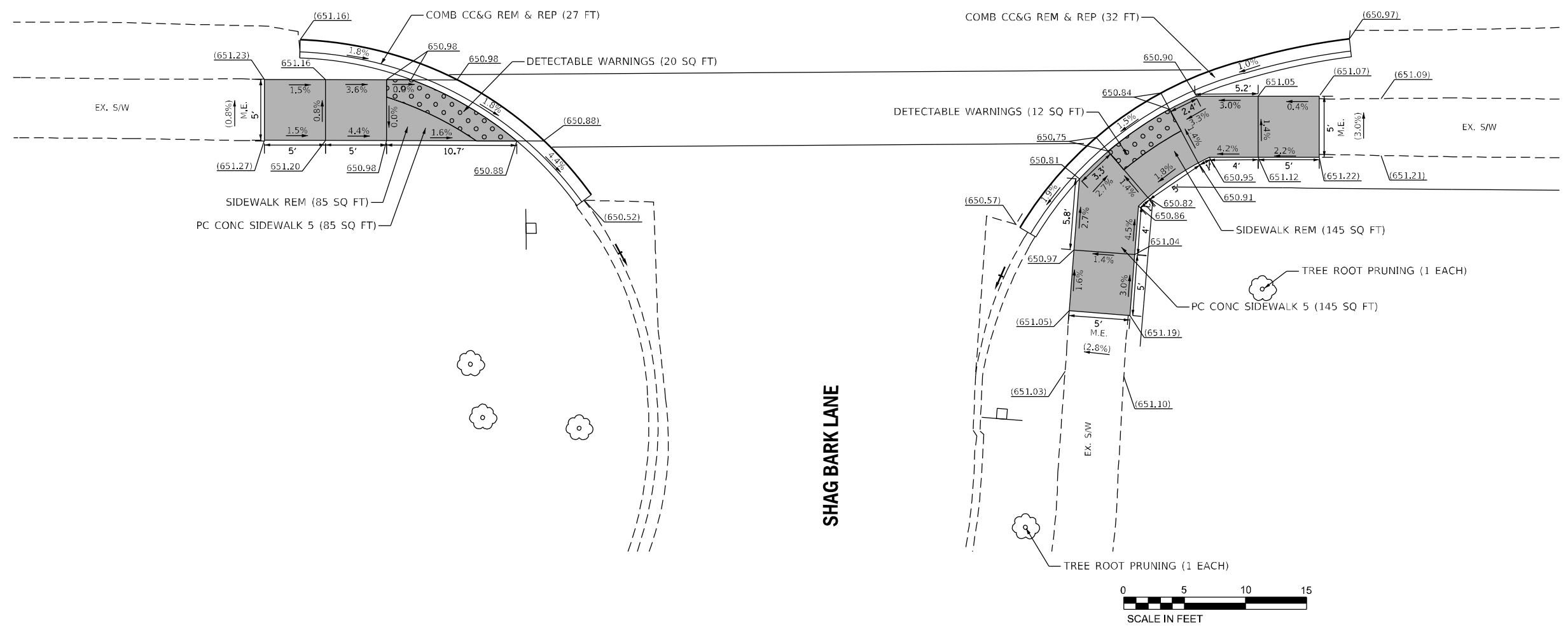
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PLOT DATE = 3/15/2021	DATE - 3/15/2021	REVISED -

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





IL ROUTE 43 (WAUKEGAN ROAD) →



ADA-03

REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :

LEGEND

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

REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :



USER NAME = mkochlcr	DESIGNED - TN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JP	REVISED -
PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
	DATE - 3/15/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL ROUTE 43 (WAUKEGAN ROAD)

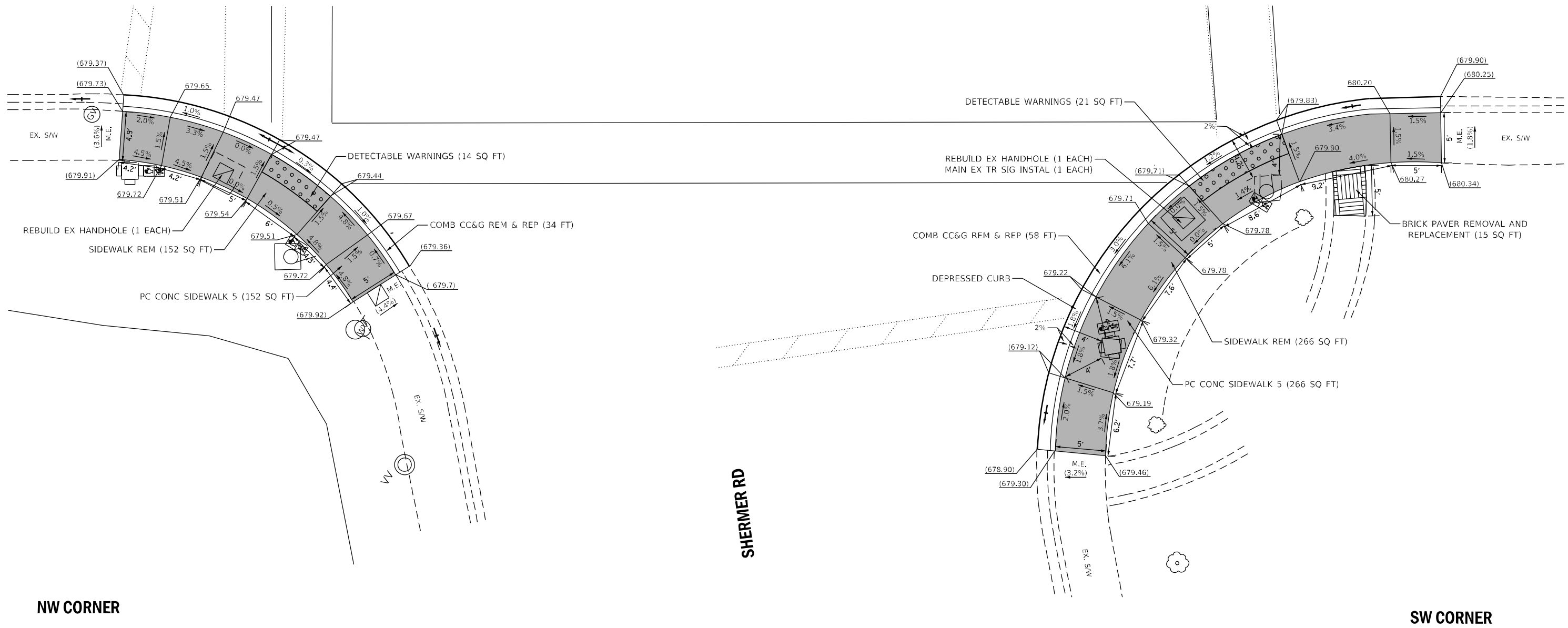
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	21
CONTRACT NO. 62L91				

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PLOT SCALE = 10.0000' / in.
USER NAME = Millennium Professional Services



IL ROUTE 43 (WAUKEGAN ROAD) →



NW CORNER

SW CORNER

SHERMER RD



ADA-04

REFERENCE BENCHMARK ELEV: 680.07
 BENCHMARK : X-CUT IN SE CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM
 LOCATION : NW CORNER OF SHERMER RD AND IL RTE 43 (WAUKEGAN RD)

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

REFERENCE BENCHMARK ELEV:
 BENCHMARK :
 LOCATION :

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 IL ROUTE 43 (WAUKEGAN ROAD)

USER NAME = mkochlcr	DESIGNED - TN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JP	REVISED -
PLOT DATE = 3/15/2021	CHECKED - TN	REVISED -
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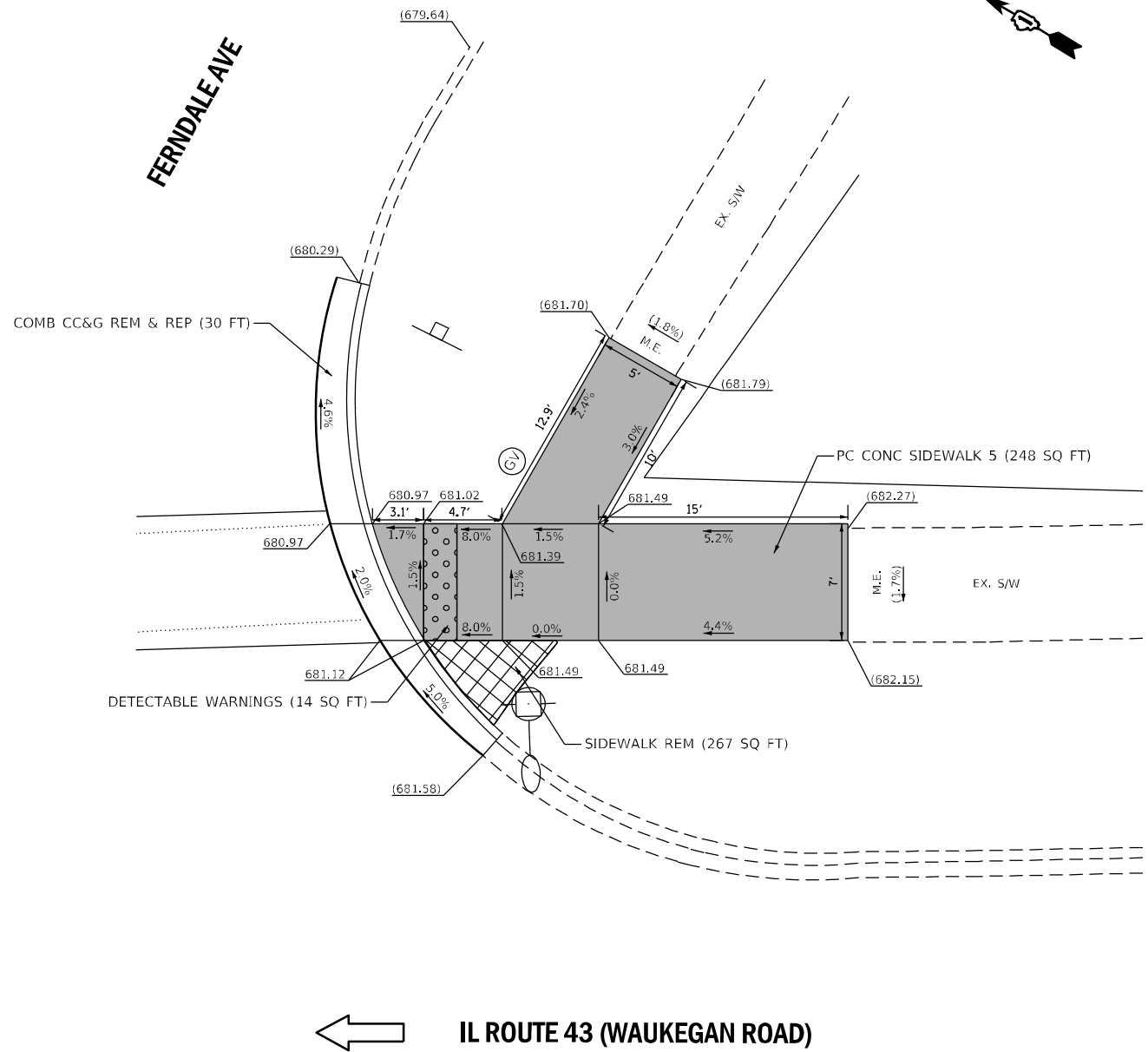
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE. 348	SECTION 2020-113-R5	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 22
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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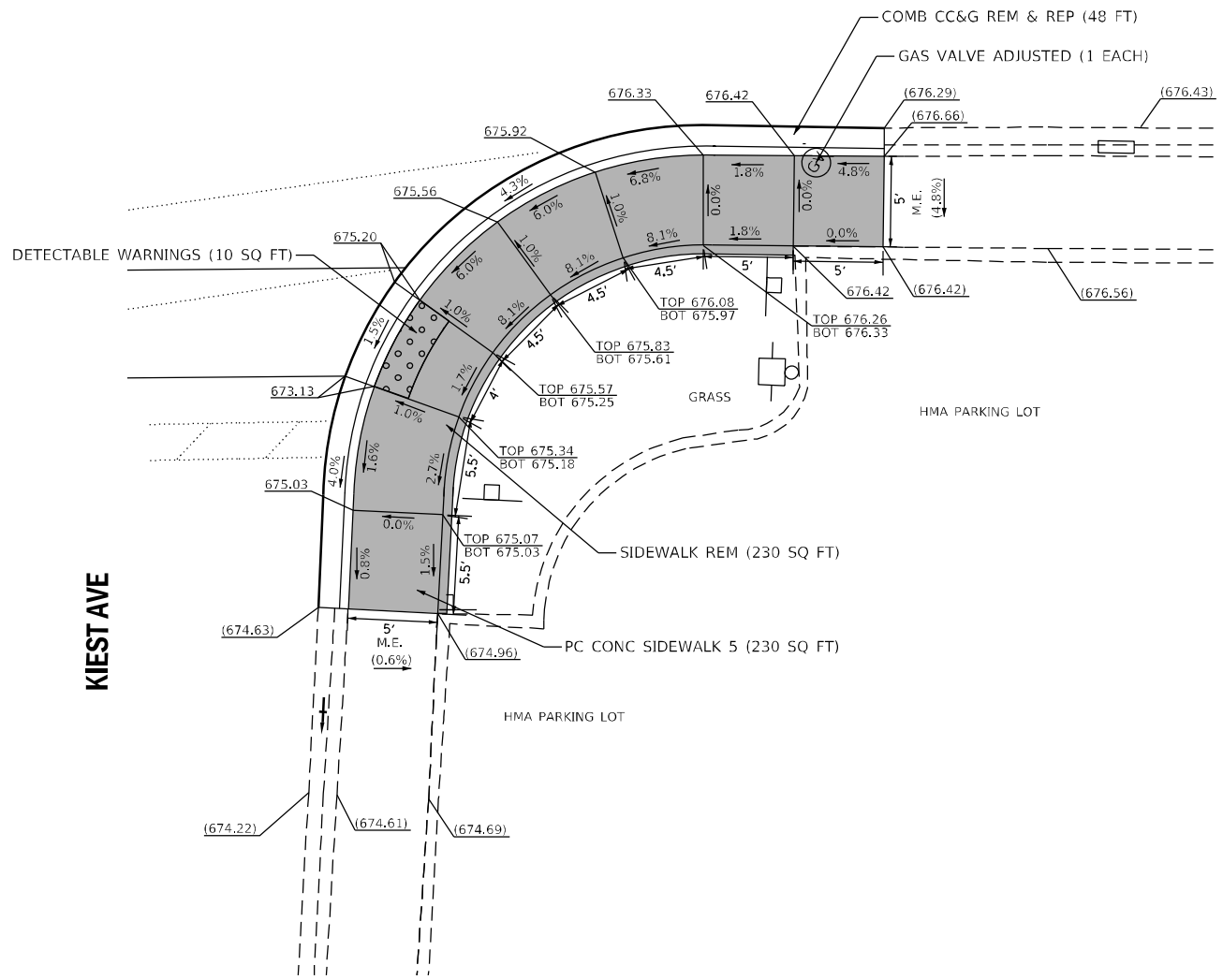


FERNDALE AVE



SE CORNER

IL ROUTE 43 (WAUKEGAN ROAD)



SW CORNER



ADA-05

REFERENCE BENCHMARK ELEV: 683.78
 BENCHMARK : X IN EAST BOLT OF FIRE HYDRANT
 LOCATION : NE CORNER OF FERNDAL AVE AND IL RTE 43 (WAUKEGAN RD)

LEGEND

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

REFERENCE BENCHMARK ELEV: 676.30
 BENCHMARK : SQUARE CUT IN EAST OF CONCRETE BASE OF LIGHT POLE
 LOCATION : NW CORNER OF KIEST AVE AND IL RTE 43 (WAUKEGAN RD)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 IL ROUTE 43 (WAUKEGAN ROAD)

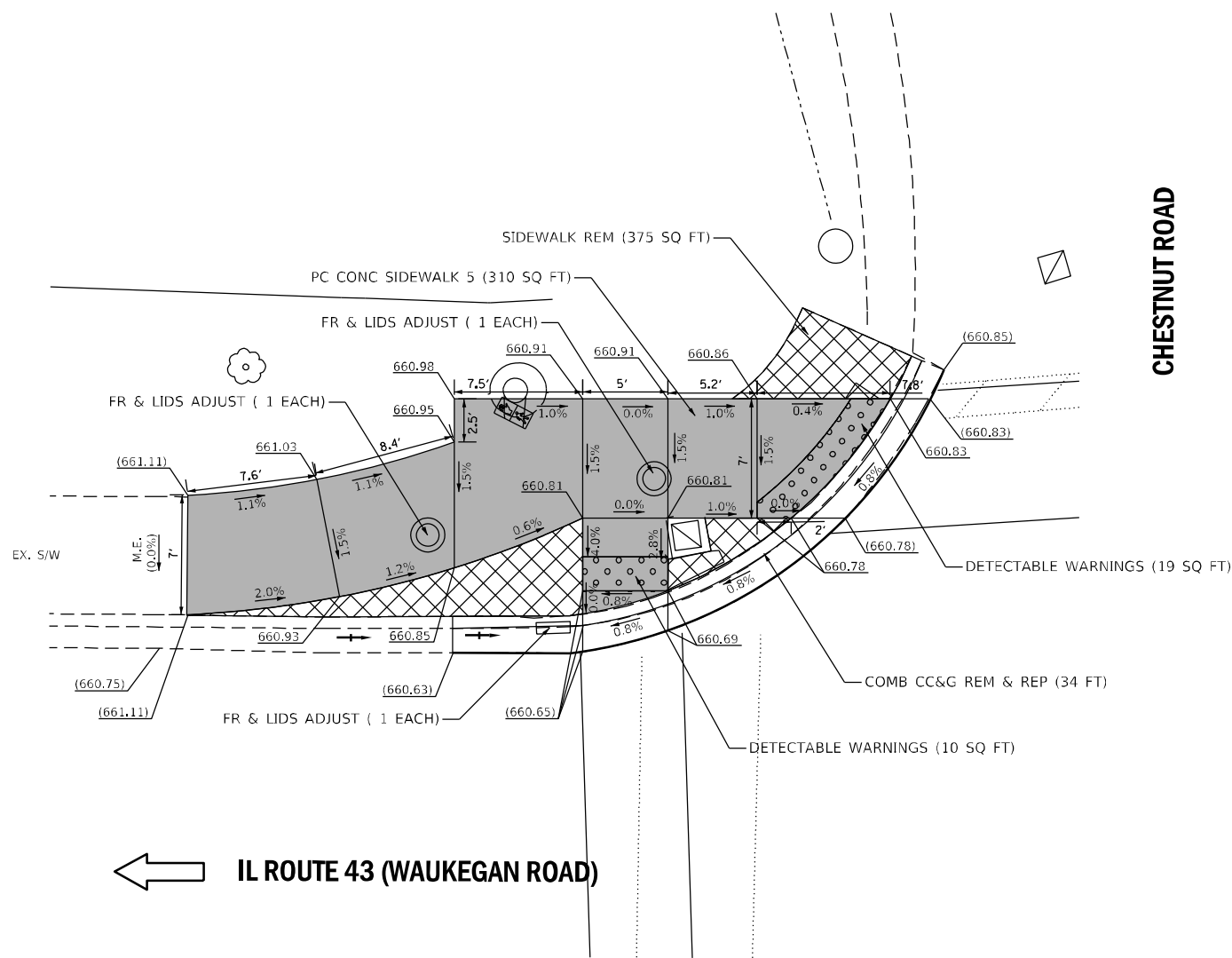
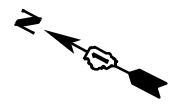
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	23
CONTRACT NO. 62L91				

USER NAME	DESIGNED	REVISED
= mkochlcr	- TN	-
DRAWN	CHECKED	REVISIED
- JP	- TN	-
PLOT SCALE	DATE	REVISIED
= 10.0000' / in.	- 3/15/2021	-

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

FILE NAME = P:\2019\ME19003_Ver-Var-PH1\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\23-D162L91.ADA Sht 05.dgn
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 USER NAME = Millennium Professional Services

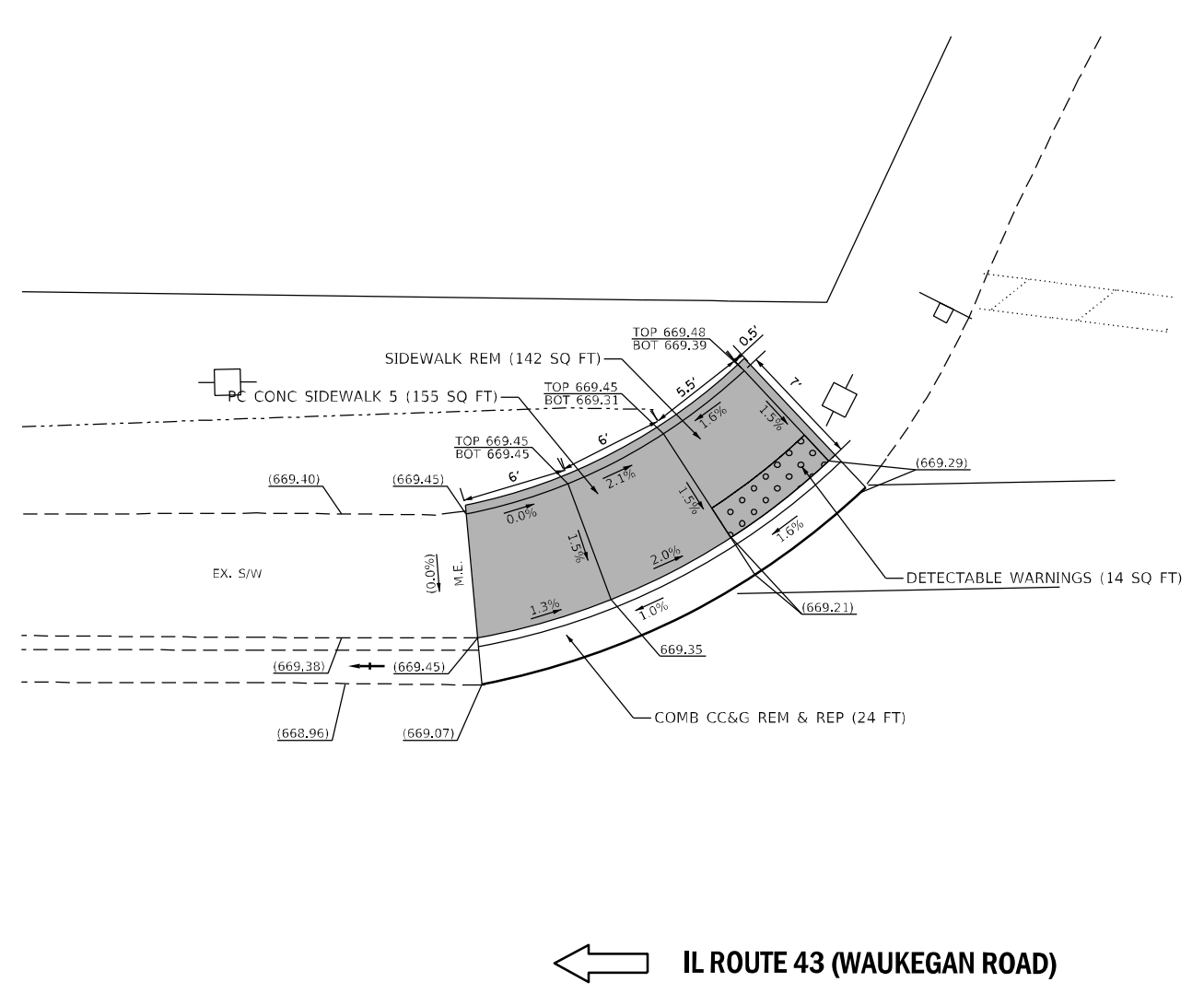
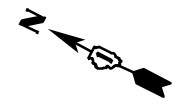




CHESTNUT ROAD

← IL ROUTE 43 (WAUKEGAN ROAD)

NE CORNER



CENTRUST BANK ENTRANCE

← IL ROUTE 43 (WAUKEGAN ROAD)

NE CORNER



ADA-06

REFERENCE BENCHMARK ELEV: 663.34
 BENCHMARK : SOUTH BOLT OF FIRE HYDRANT
 LOCATION : SE CORNER OF CHESTNUT RD AND IL RTE 43 (WAUKEGAN RD)

LEGEND

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

REFERENCE BENCHMARK ELEV: 670.75
 BENCHMARK : SQUARE CUT IN WEST CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM
 LOCATION : EAST SIDE OF IL RTE 43, +/- 60 FT SOUTH OF CENTRUST BANK ENTRANCE

FILE NAME = P:\2019\ME19003_Ver\Var_PHI\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\24-D162L91.ADA_Sht_06.dgn
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 USER NAME = Millennium Professional Services



USER NAME = mkochlcr	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - TN	REVISED -
PLOT DATE = 3/15/2021	DATE - 3/15/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 IL ROUTE 43 (WAUKEGAN ROAD)**

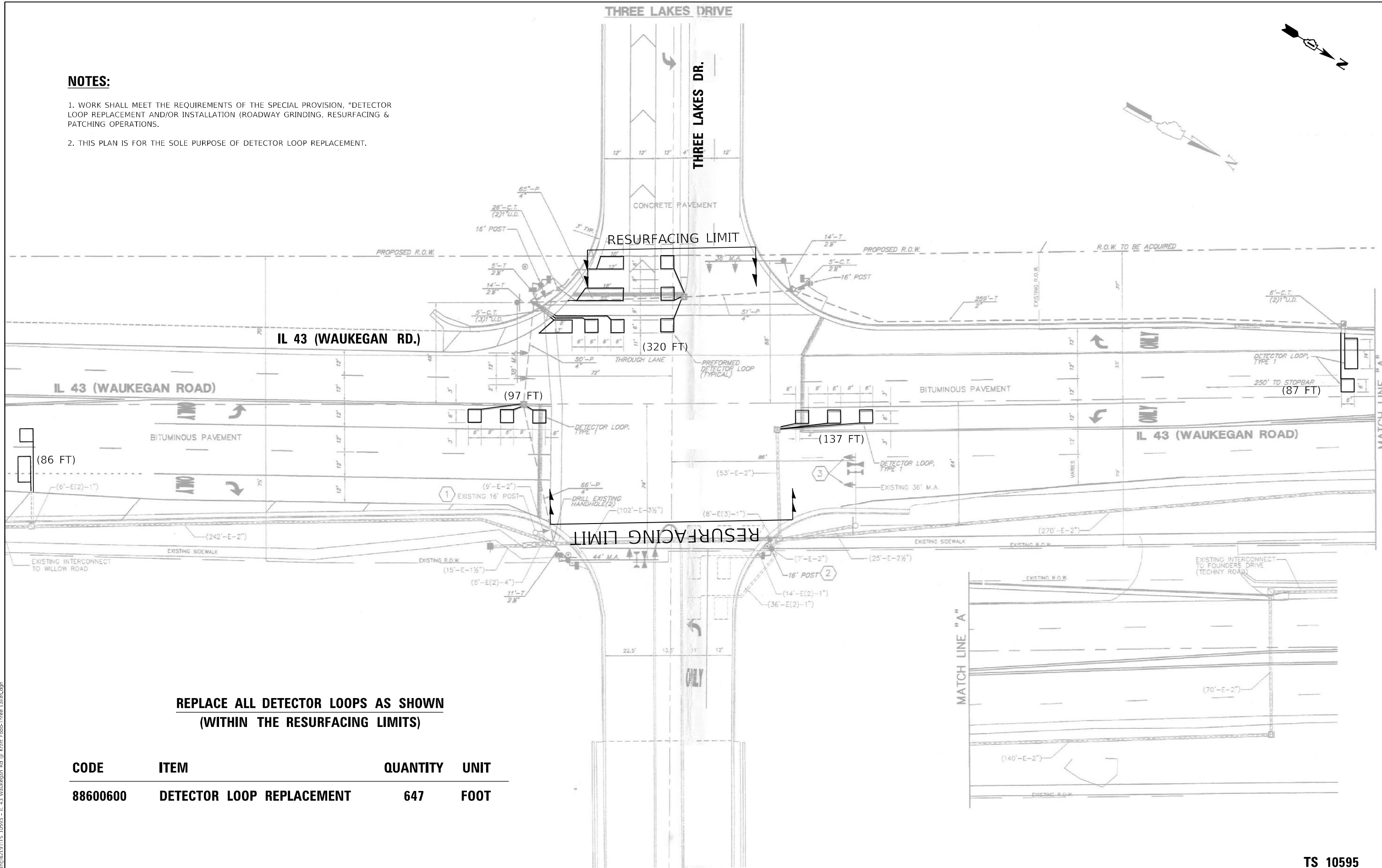
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	24
CONTRACT NO. 62L91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

P:\2019\ME19003_Ver\Var_PHI\W030_62L91_IL_Rte_43_Waukegan\01-CADD\02-Shts\24-D162L91.ADA_Sht_06.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	647	FOOT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT THREE LAKES DR.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	26
CONTRACT NO. 62L91				
ILLINOIS FED. AID PROJECT				

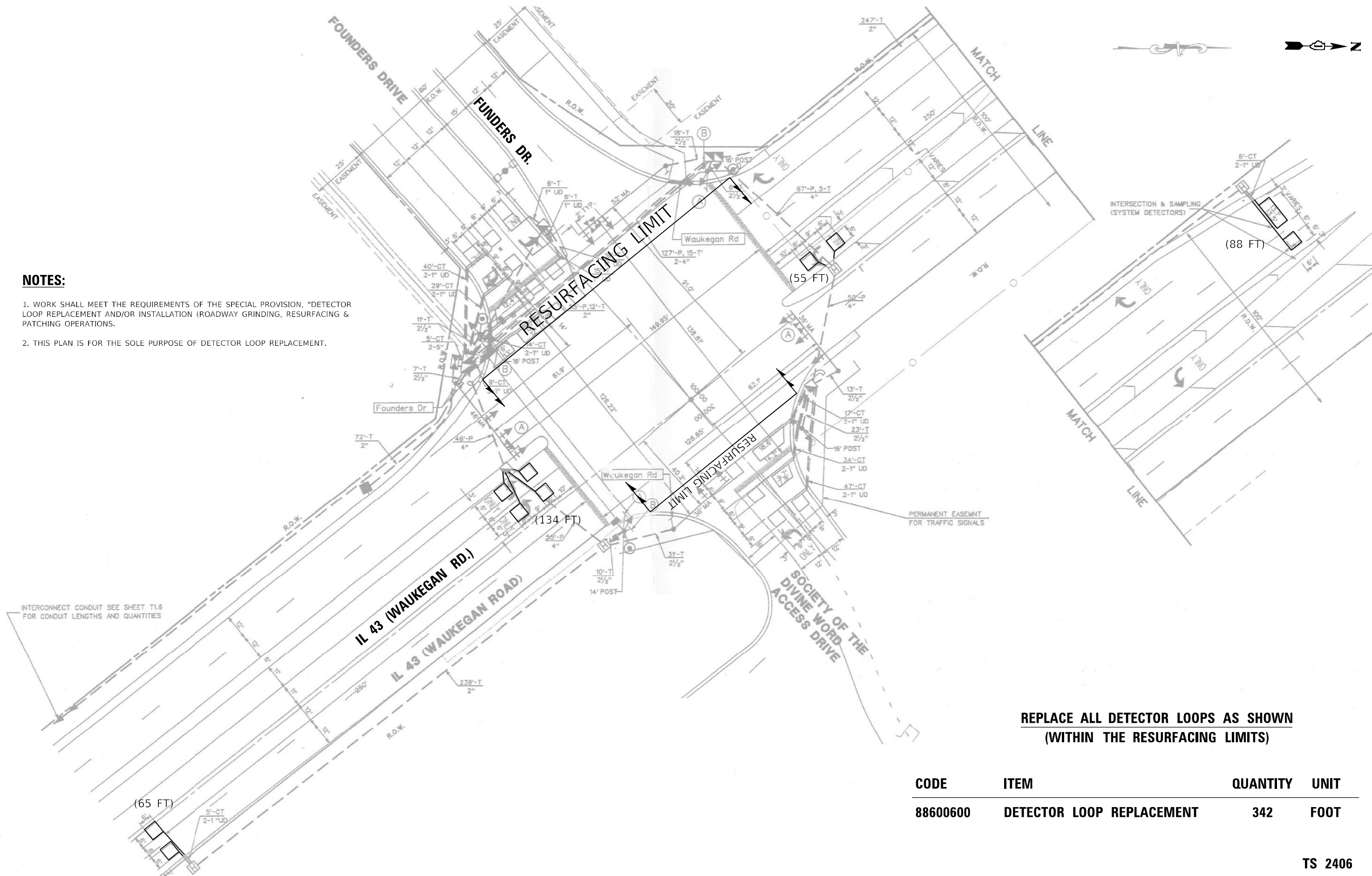
TS 10595

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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.



INTERCONNECT CONDUIT SEE SHEET T1.6 FOR CONDUIT LENGTHS AND QUANTITIES

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	342	FOOT

TS 2406

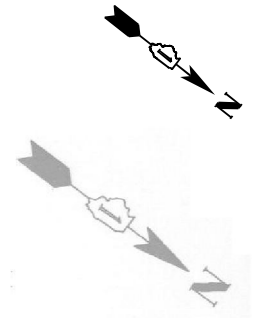
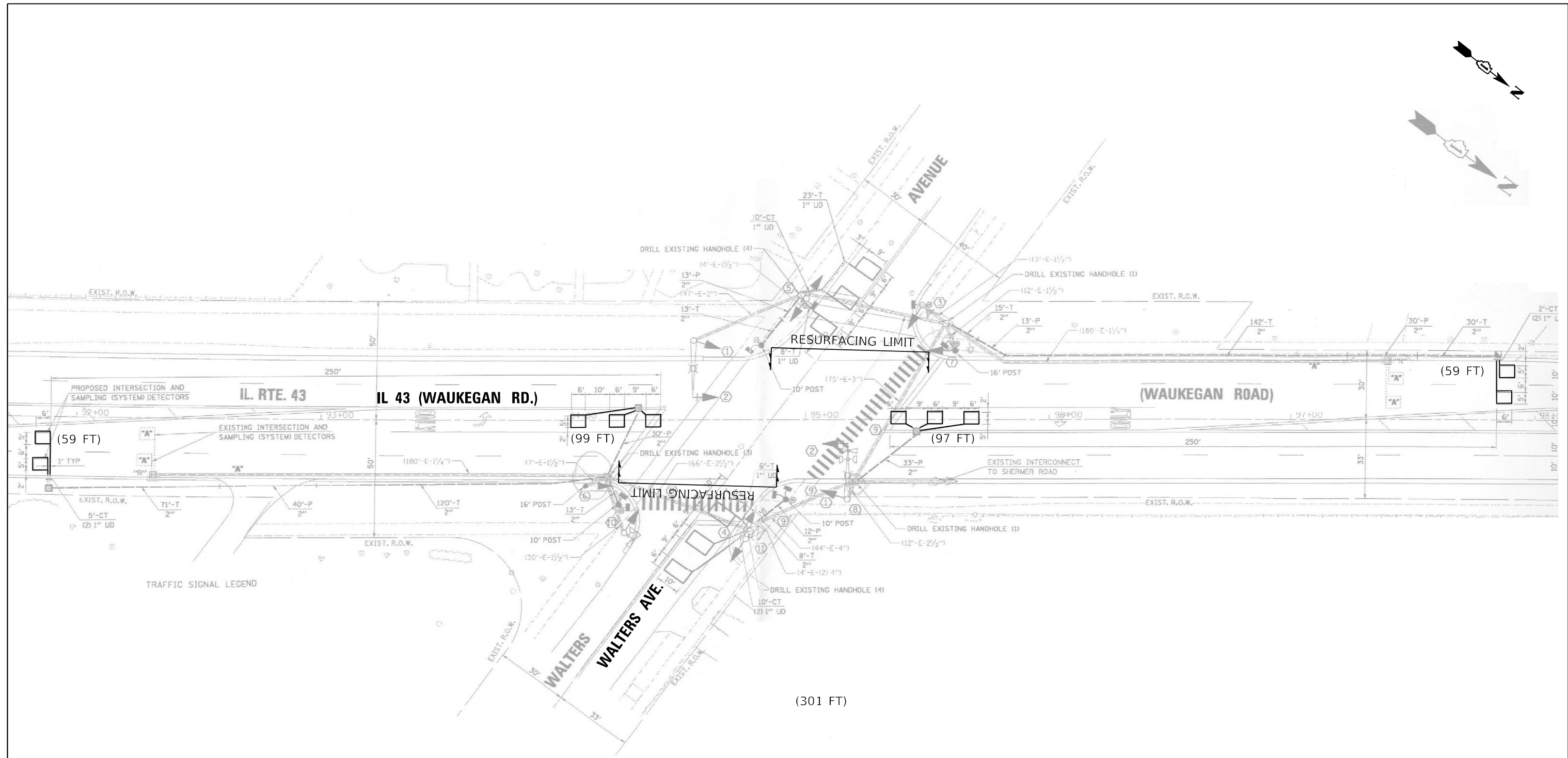
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USER NAME = jlangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - CJ	REVISED -
PLOT DATE = 12/1/2020	CHECKED - LP	REVISED -
	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN IL 43 (WAUKEGAN RD.) AT FOUNDERS RD.			
SCALE: 1"=20'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE. 348	SECTION 2020-113-R5	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 27
CONTRACT NO. 62L91				
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	314	FOOT

TS 14400

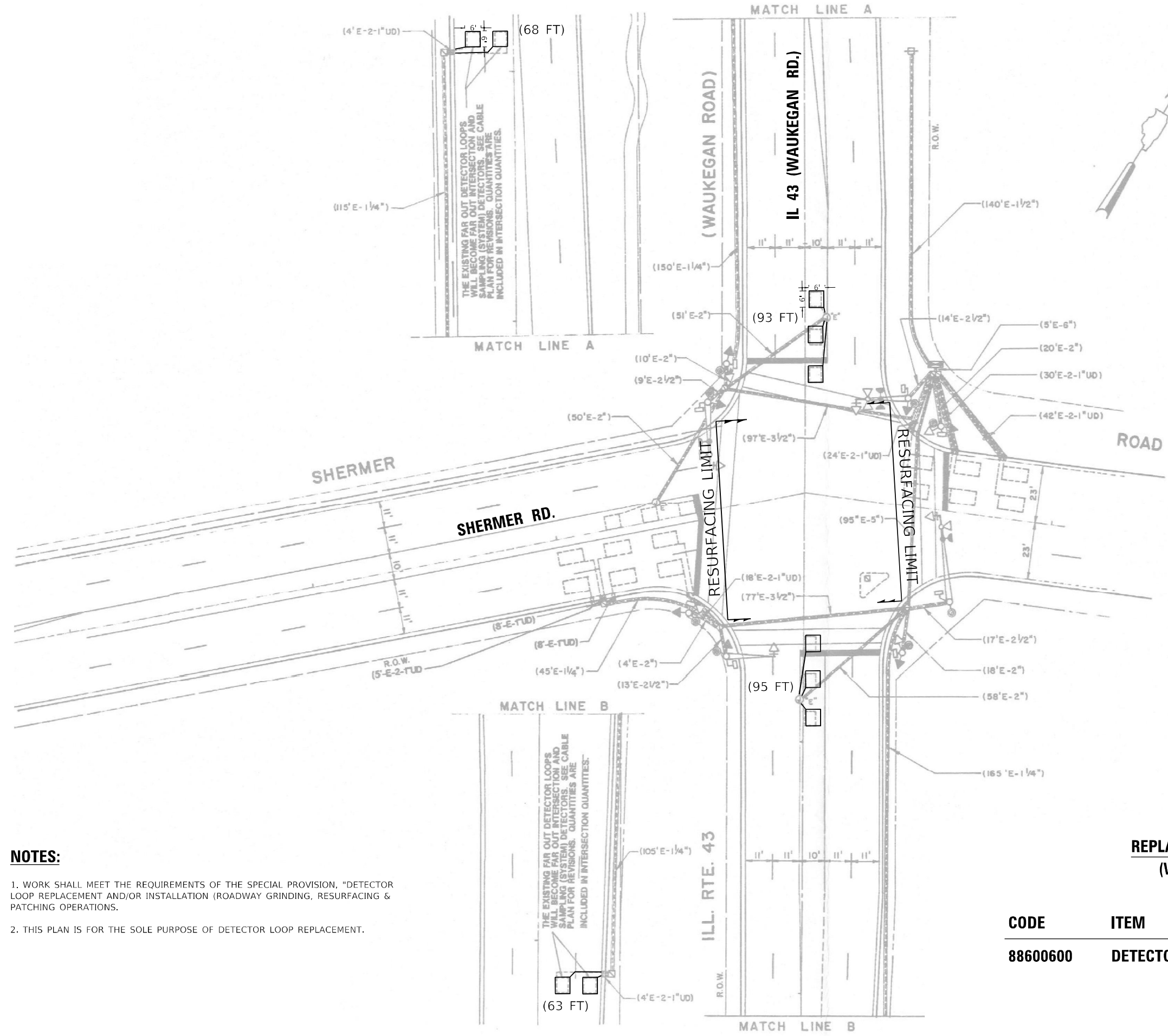
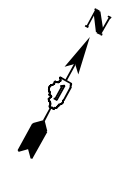
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PLOT DATE = 12/1/2020	CHECKED - LP	REVISED -
	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN IL 43 (WAUKEGAN RD.) AT WALTERS AVE.			
SCALE: 1"=20'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	29
CONTRACT NO. 62L91				
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	319	FOOT

TS 14430

MODEL: D:\dtd\p11\115 14430 - IL 43 Waukegan Rd @ Shermer Rd.dgn
FILE NAME: S:\P\115\115 14430 - IL 43 Waukegan Rd @ Shermer Rd.dgn

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PLOT DATE = 12/1/2020	CHECKED - LP	REVISED -
	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT SHERMER RD.**

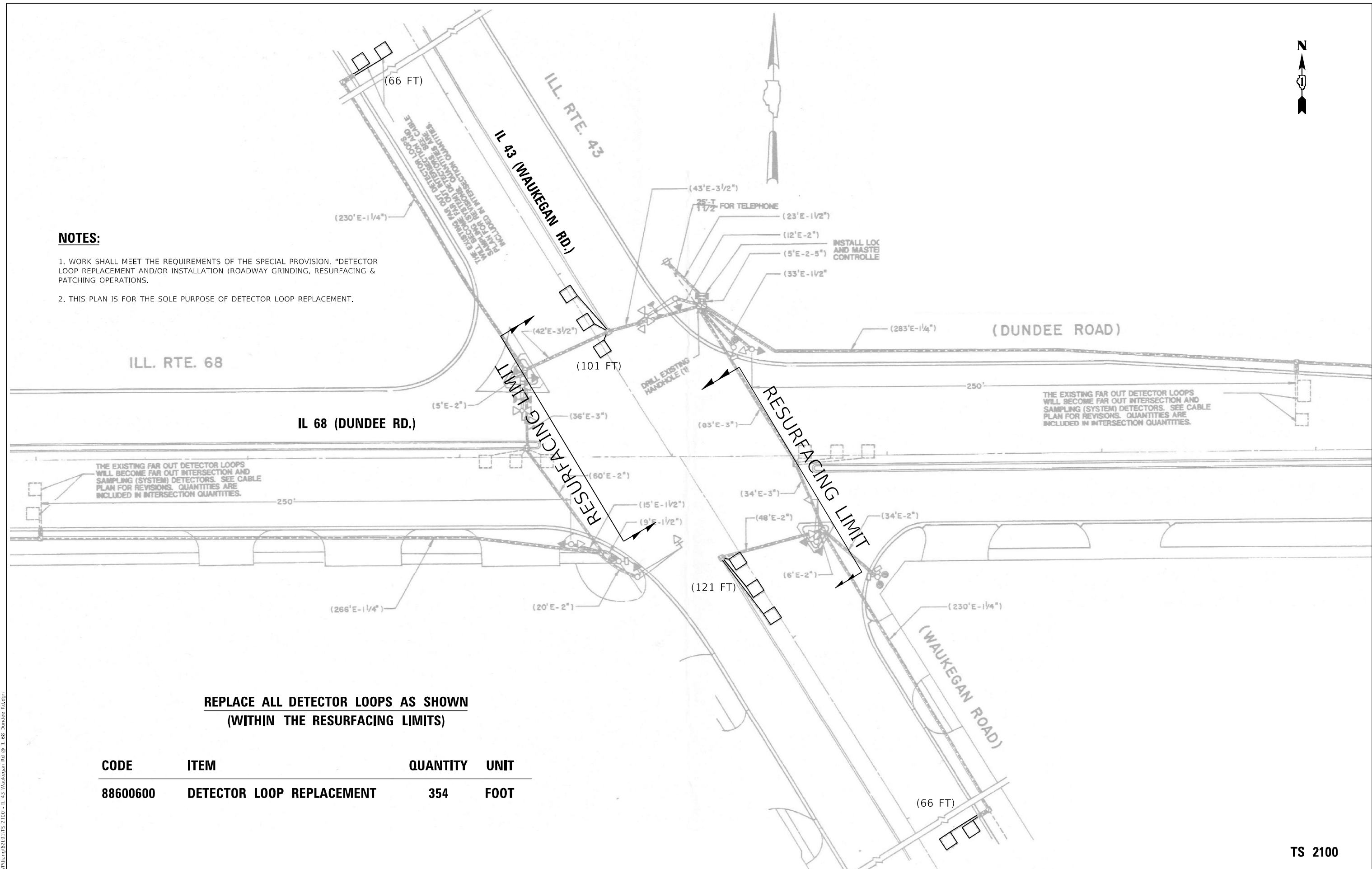
SCALE: 1"=20'
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	30
CONTRACT NO. 62L91				
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.



THE EXISTING FAR OUT DETECTOR LOOPS WILL BECOME FAR OUT INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. SEE CABLE PLAN FOR REVISIONS. QUANTITIES ARE INCLUDED IN INTERSECTION QUANTITIES.

THE EXISTING FAR OUT DETECTOR LOOPS WILL BECOME FAR OUT INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. SEE CABLE PLAN FOR REVISIONS. QUANTITIES ARE INCLUDED IN INTERSECTION QUANTITIES.

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	354	FOOT

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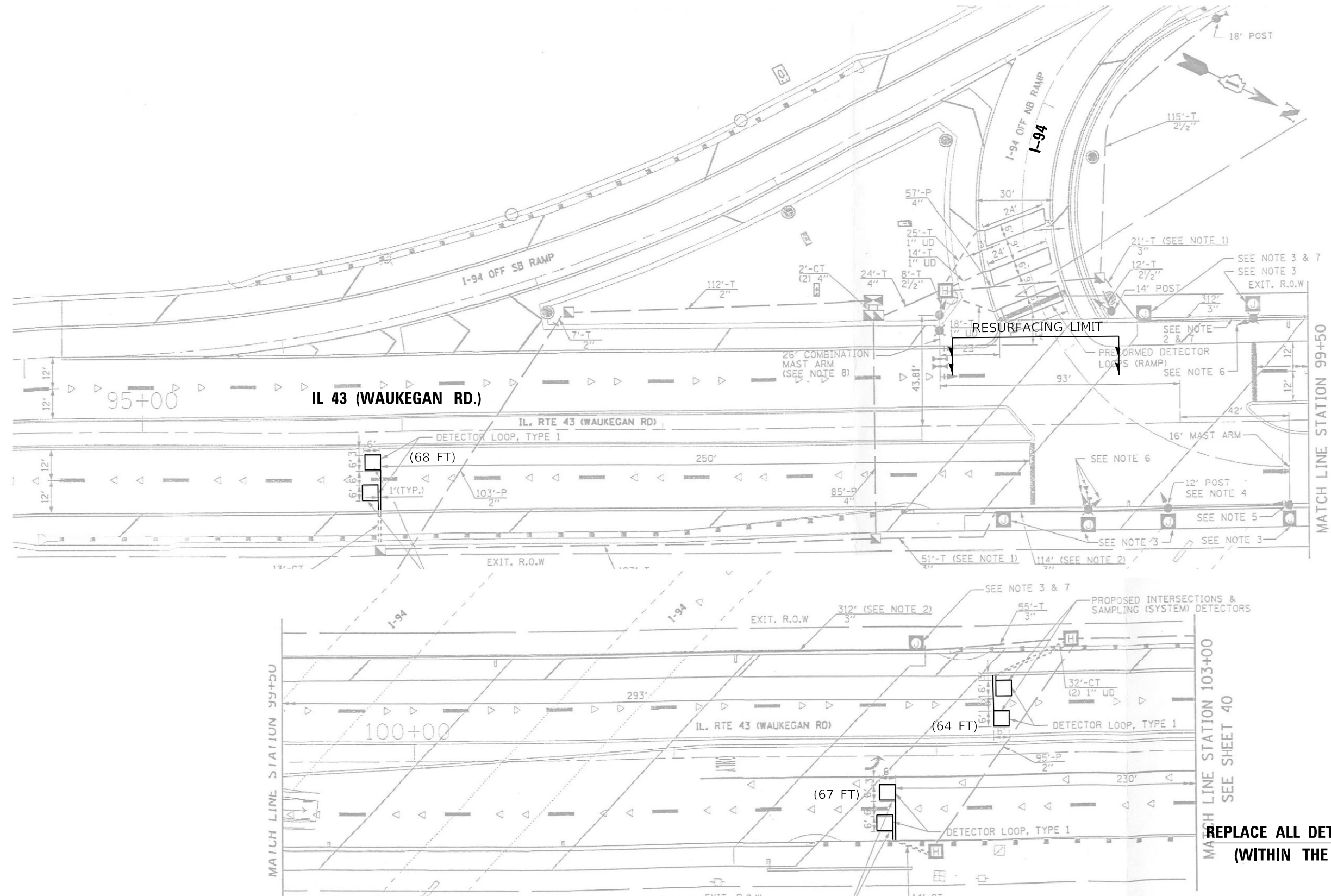
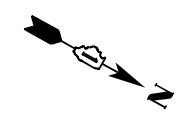
TS 2100

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PLOT DATE = 12/1/2020	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT IL 68 (DUNDEE RD.)**
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-113-R5	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 31
CONTRACT NO. 62L91			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.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	199	FOOT

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

TS 61

MODEL: Defaul
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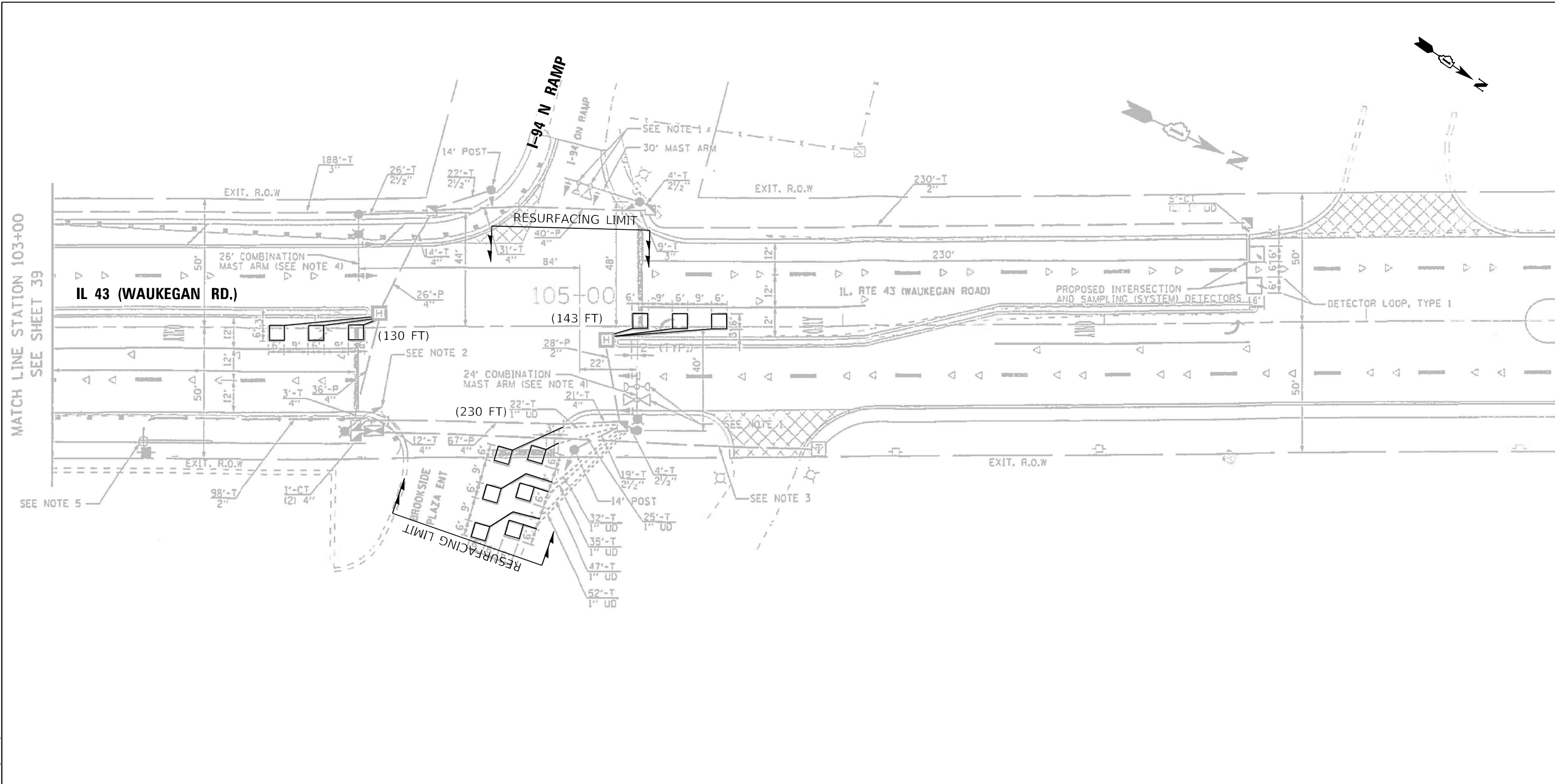
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PLOT DATE = 11/30/2020	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT I-90 S RAMP**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L91	



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	503	FOOT

TS 60

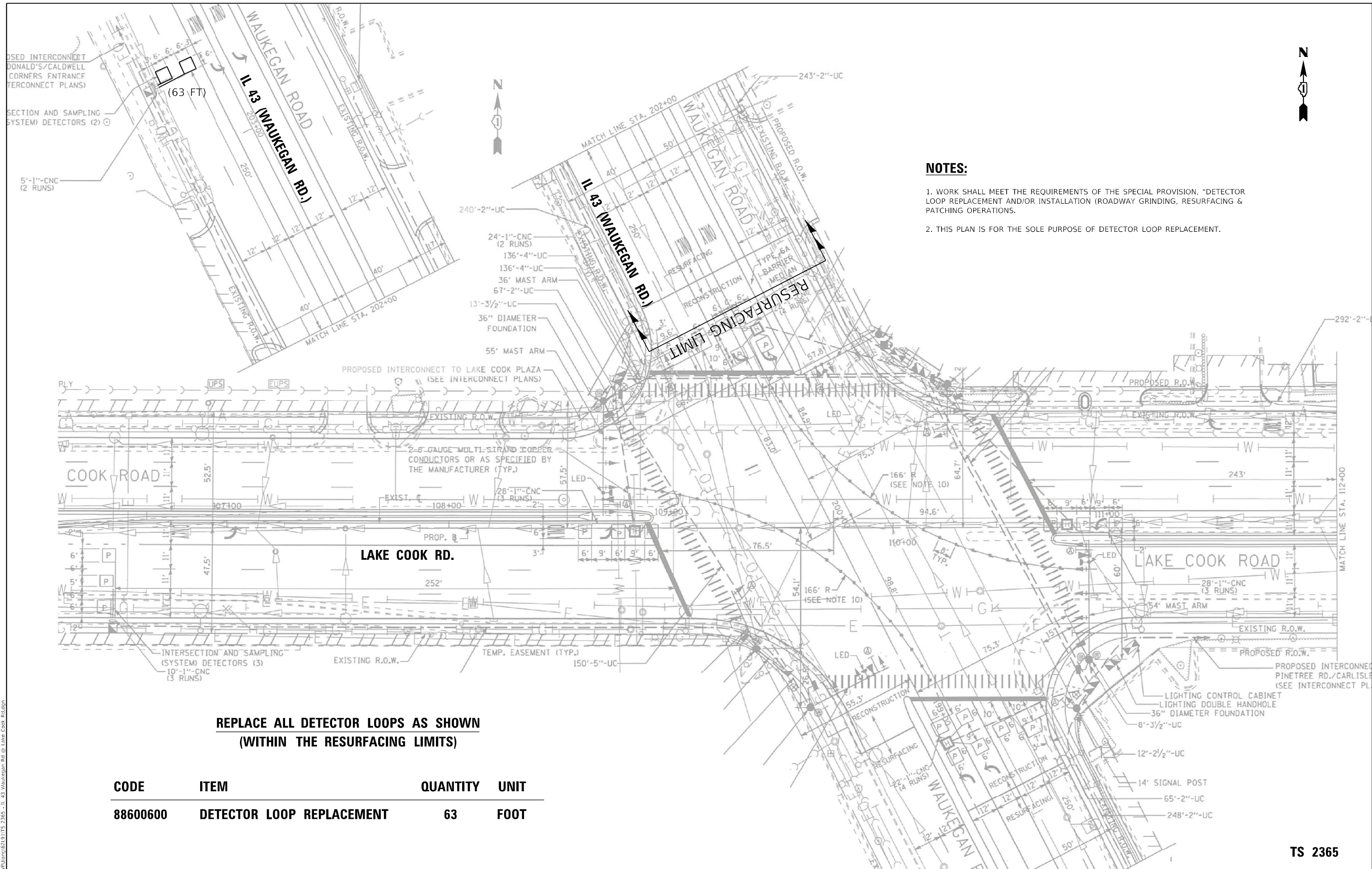
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PLOT DATE = 11/30/2020	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN IL 43 (WAUKEGAN RD.) AT I-94 N RAMP			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	33
CONTRACT NO. 62L91				
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	63	FOOT

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PLOT SCALE = 40,0000' / in.	DRAWN - CJ	REVISED -
PLOT DATE = 12/1/2020	CHECKED - LP	REVISED -
	DATE - 12/01/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT LAKE COOK RD.**

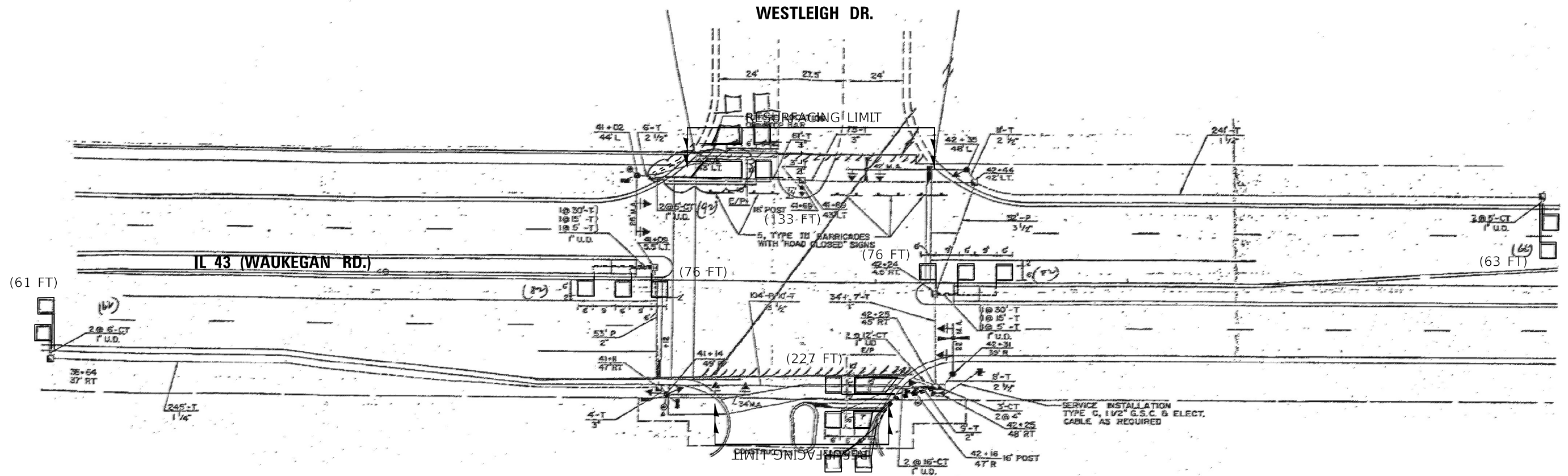
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SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-113-R5	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L91	

TS 2365

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	636	FOOT

TS 10675

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	DATE - 03/18/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

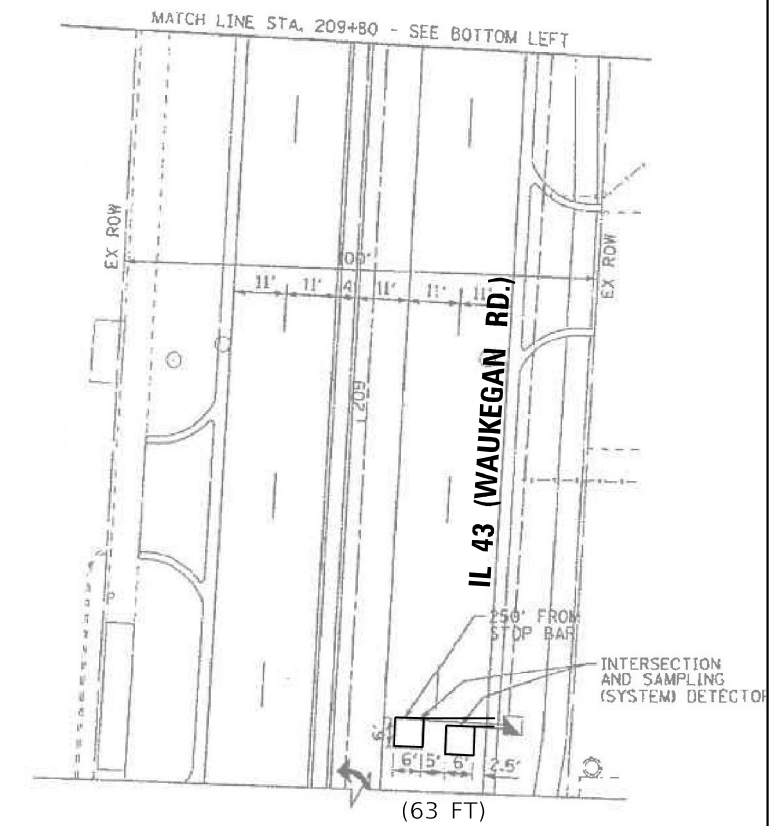
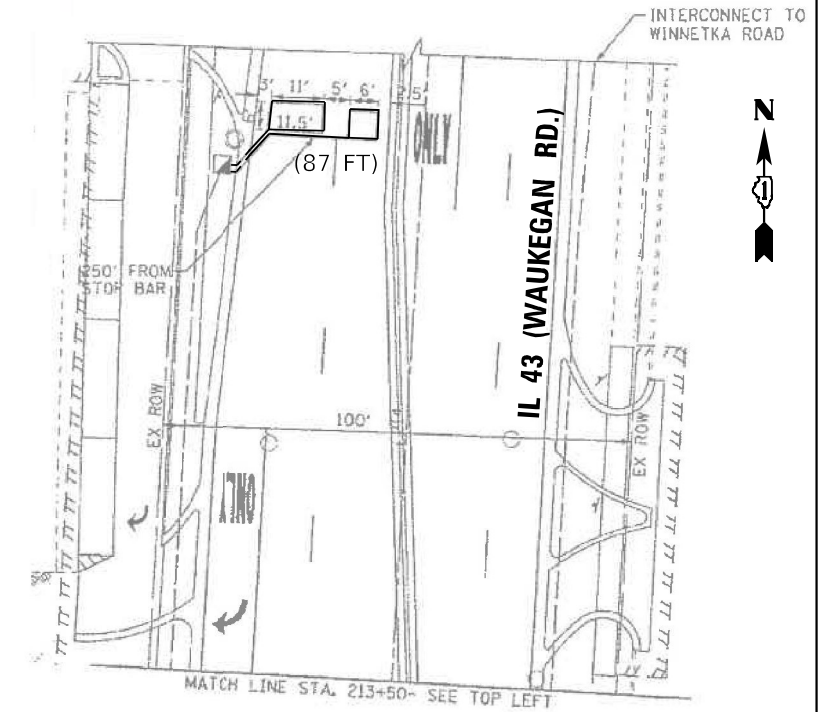
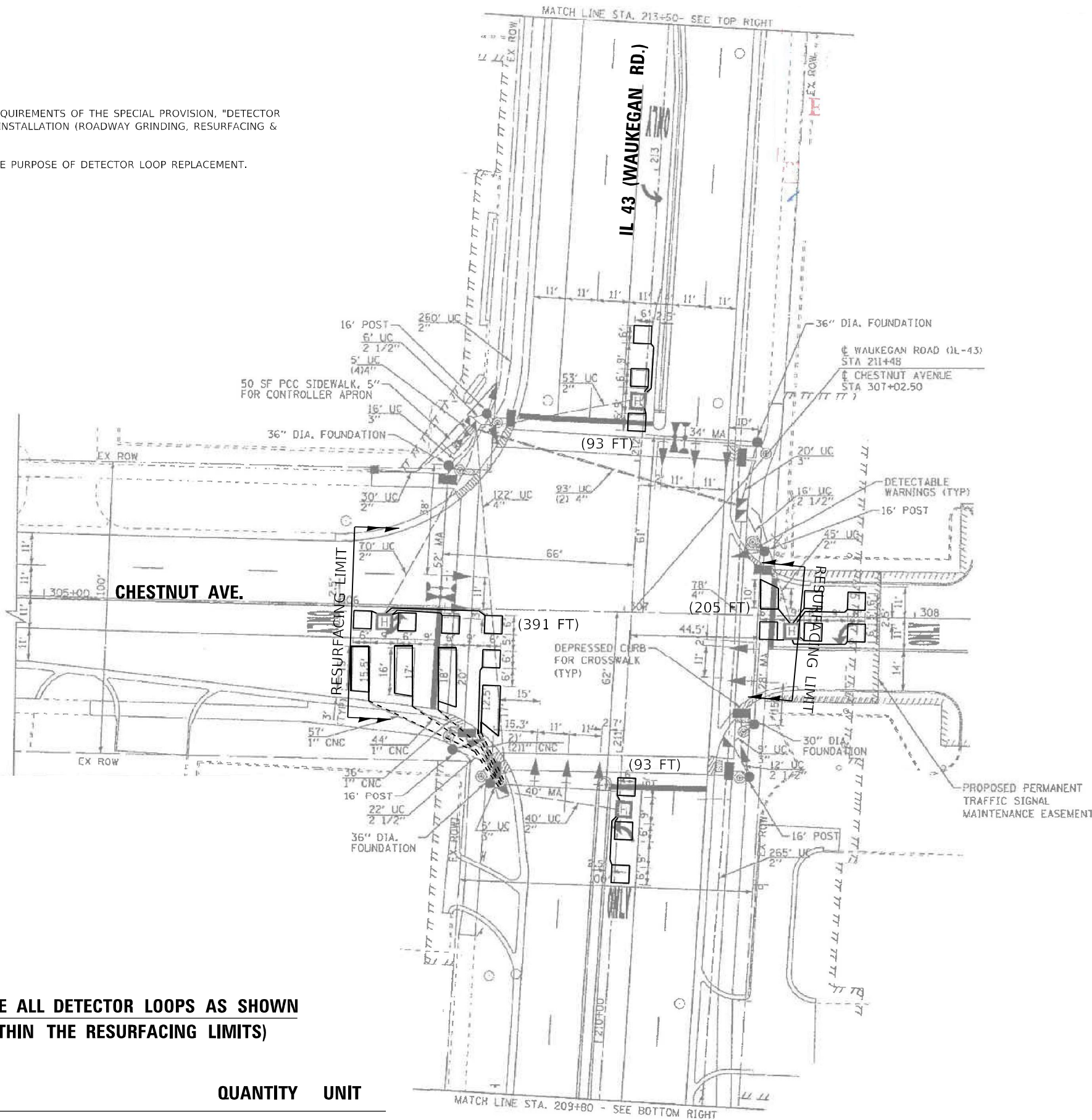
**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT WESTLEIGH DR.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-R5	COOK	55	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L91	

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	932	FOOT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 43 (WAUKEGAN RD.) AT CHESTNUT AVE.**

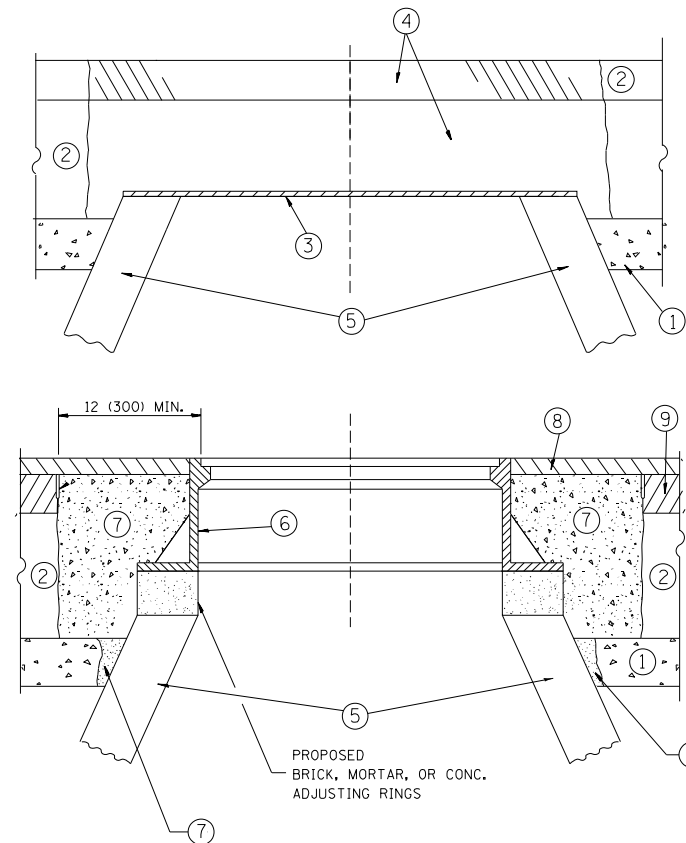
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	DATE - 03/18/2021	REVISED -

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

F.A.P. RTE. 348	SECTION 2020-113-RS	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 36
CONTRACT NO. 62L91				
ILLINOIS FED. AID PROJECT				

MODEL: Default; FILE NAME: S:\WPDesign\Projects\210115_10675 - IL 43 Waukegan Rd @ Chestnut Ave.dgn



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 1/2 (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.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

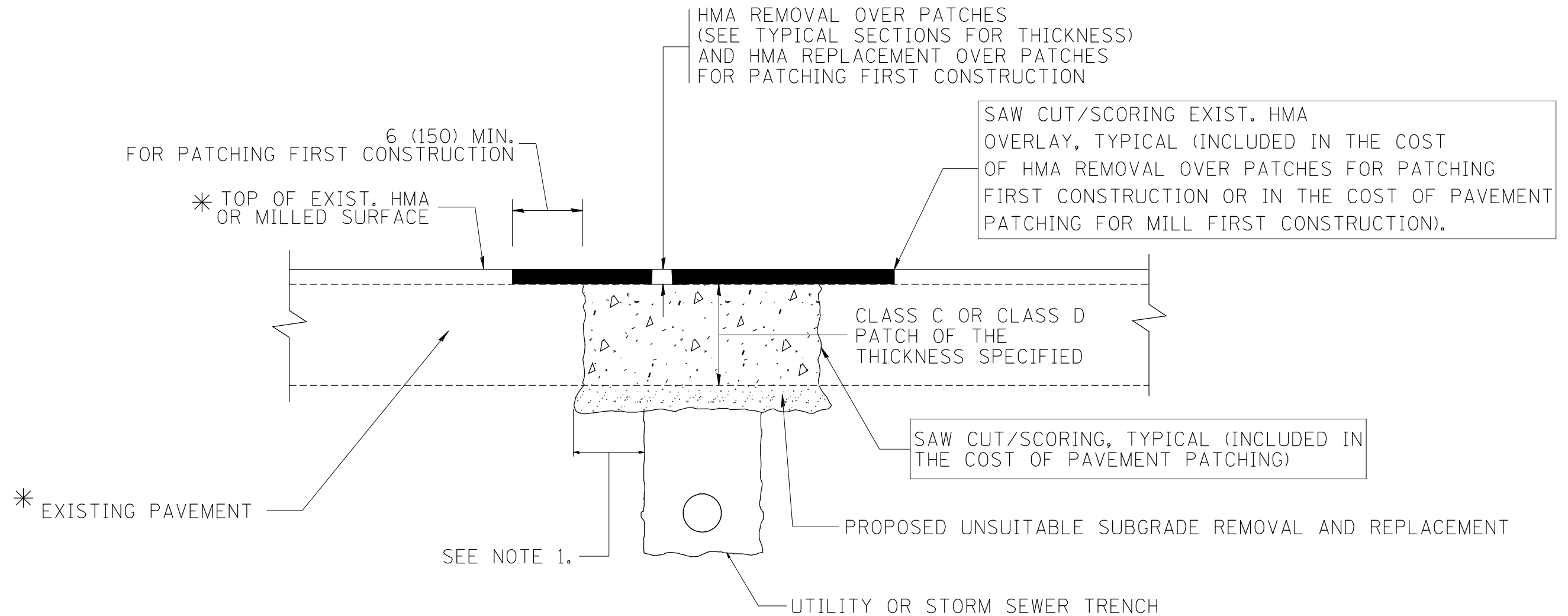
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	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 NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	37
BD600-03 (BD-8)		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

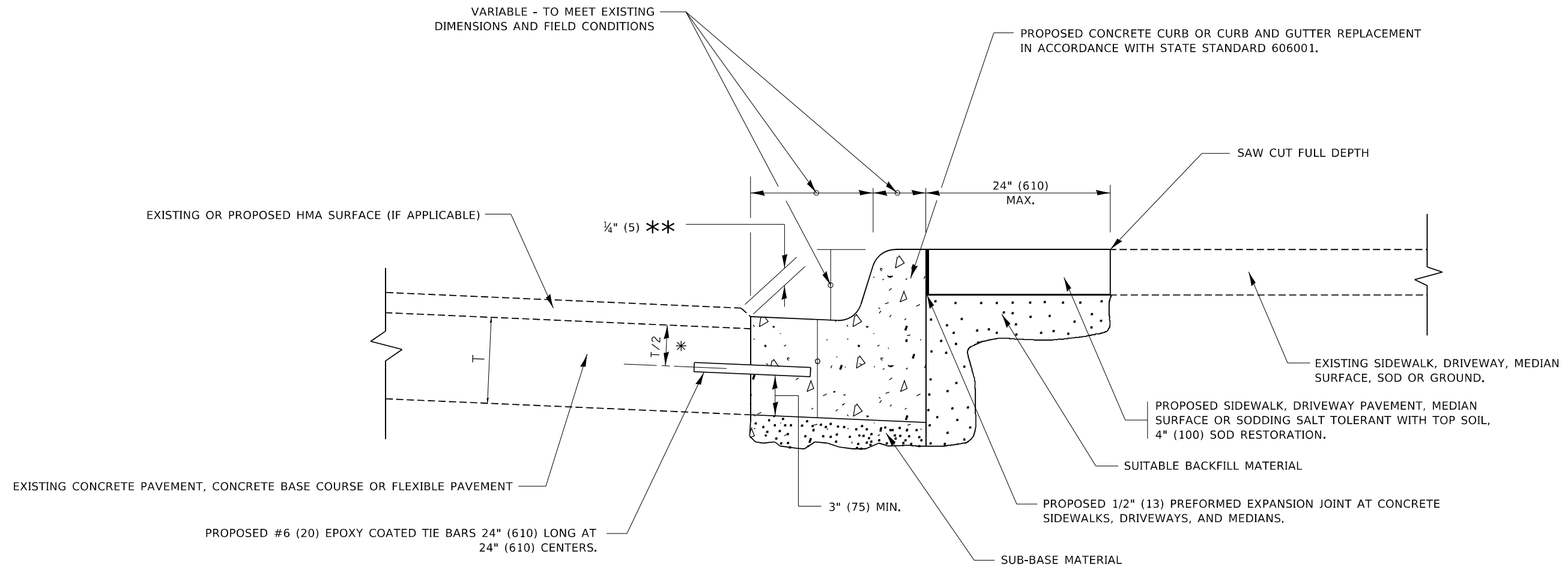
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	38
BD400-04 (BD-22)		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

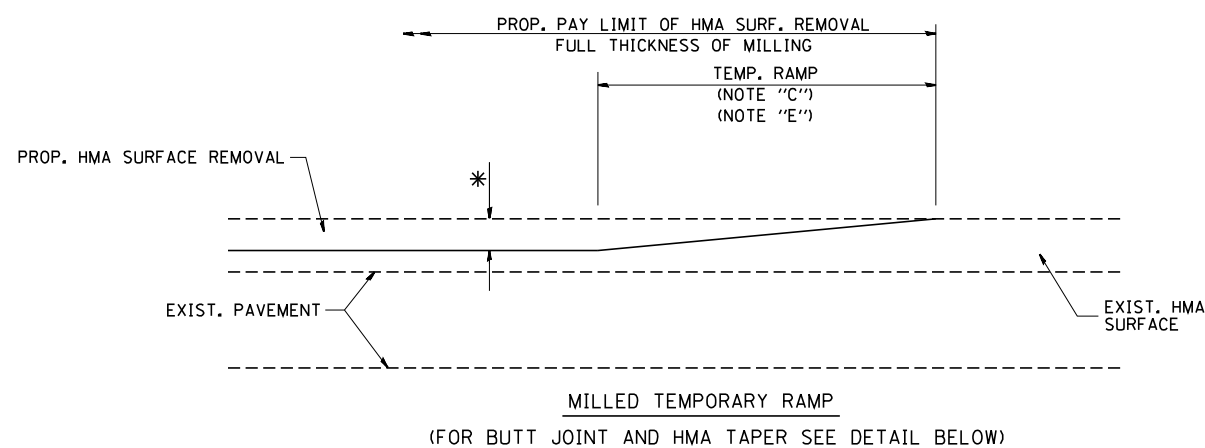
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

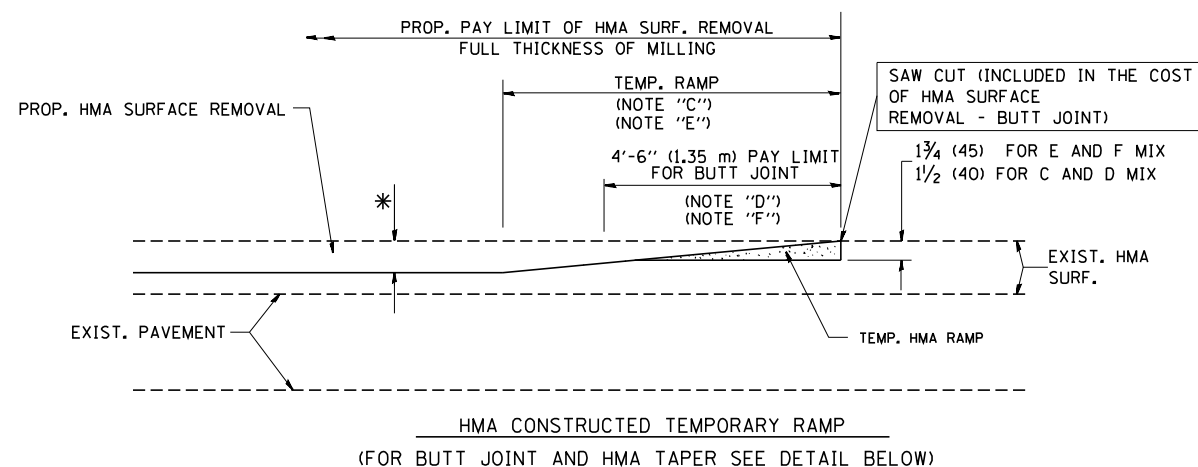
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	39
BD600-06 (BD-24)			CONTRACT NO. 62L91	
ILLINOIS FED. AID PROJECT				

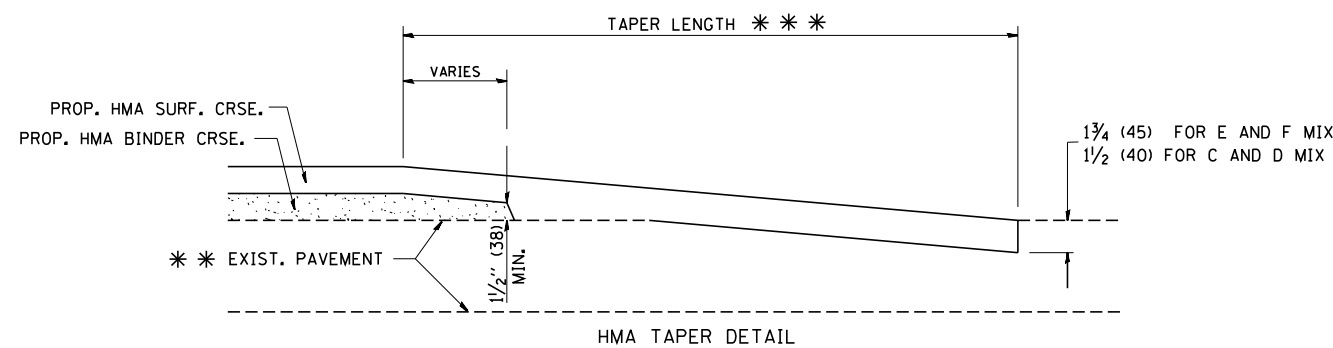
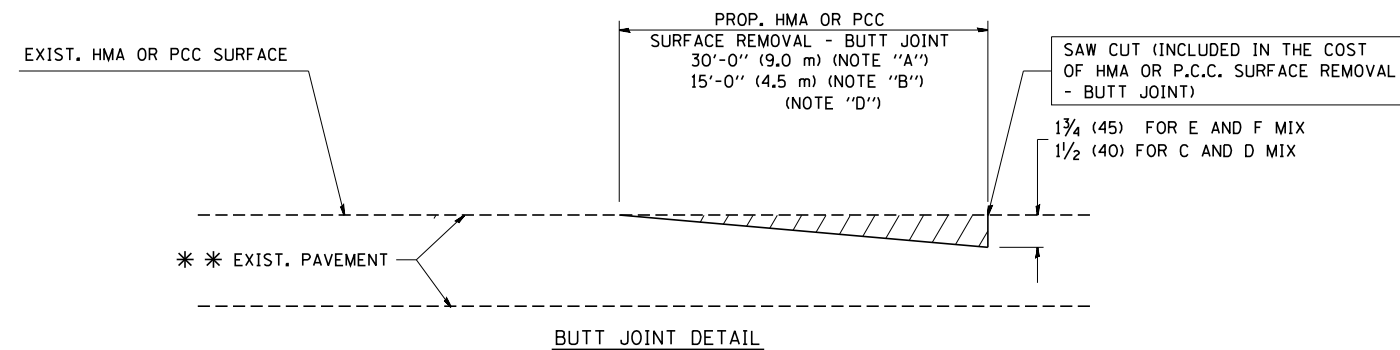


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

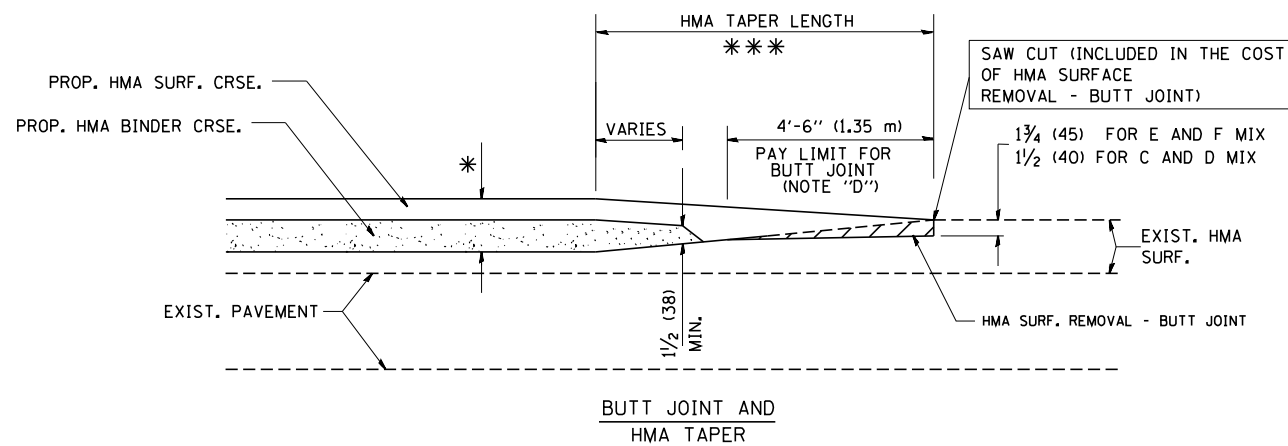
NOTES

- 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
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 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.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

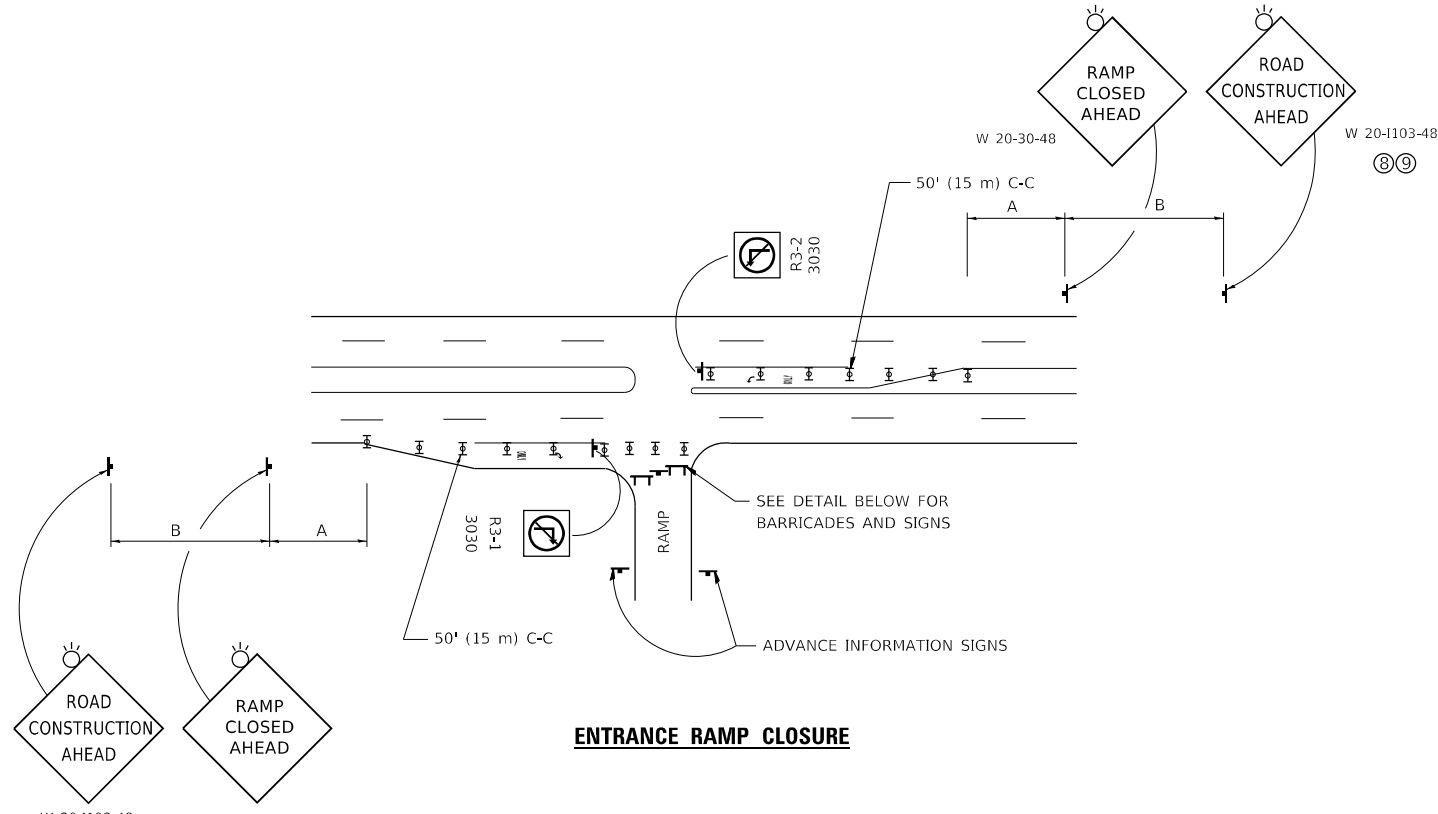
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	40
BD400-05 BD32		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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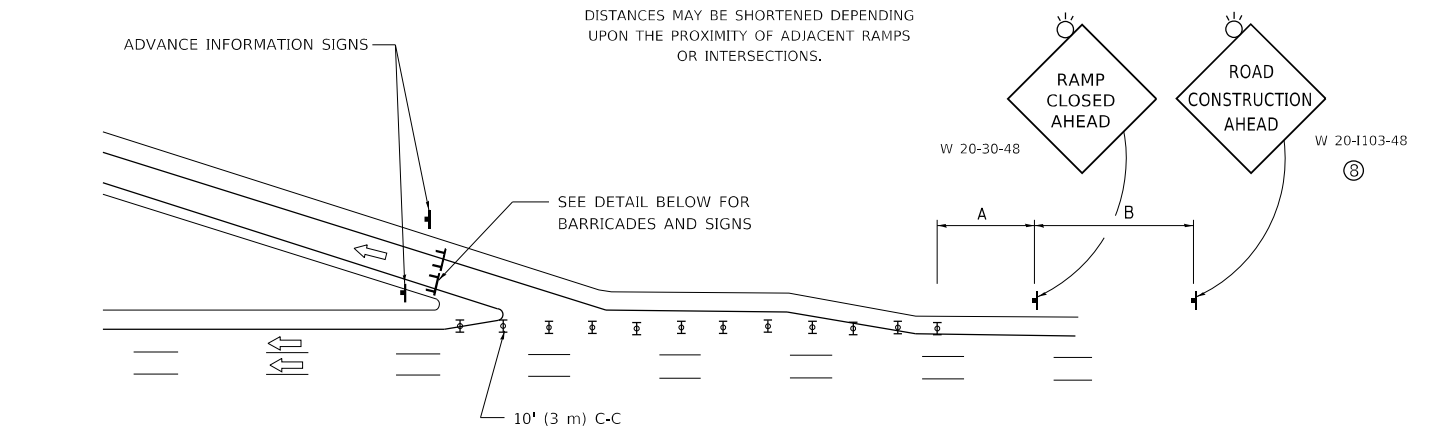


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

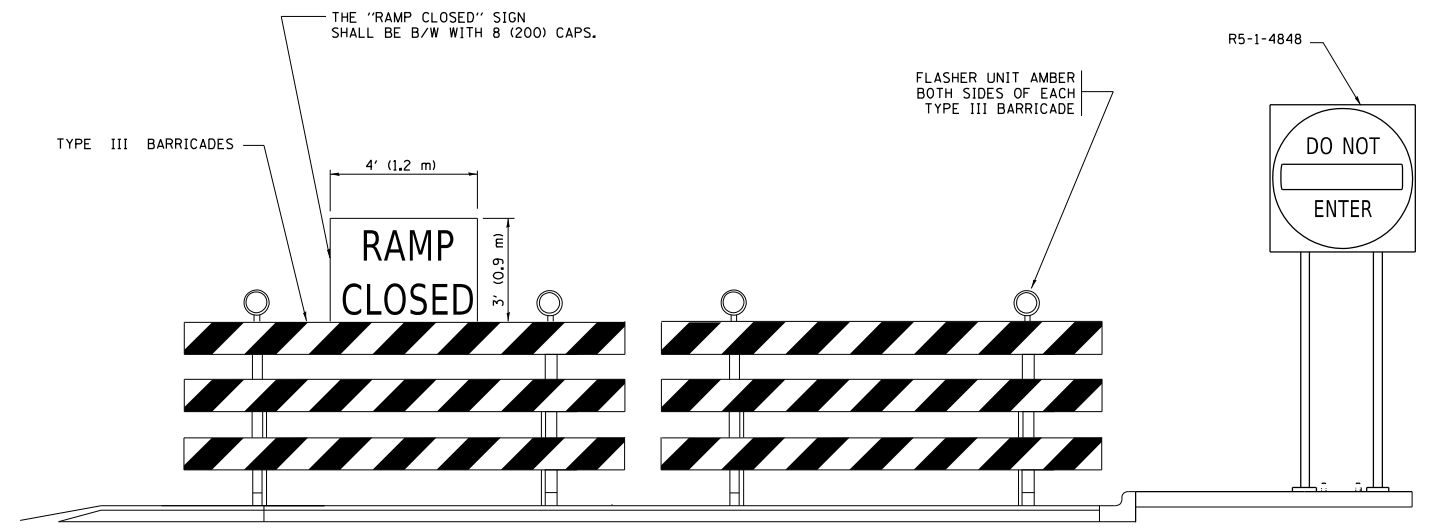
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

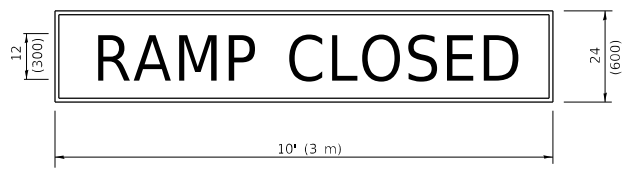
SYMBOLS

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



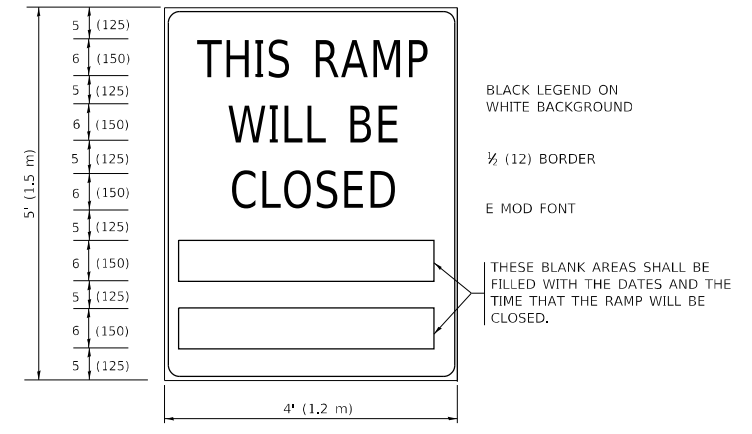
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



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

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

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

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

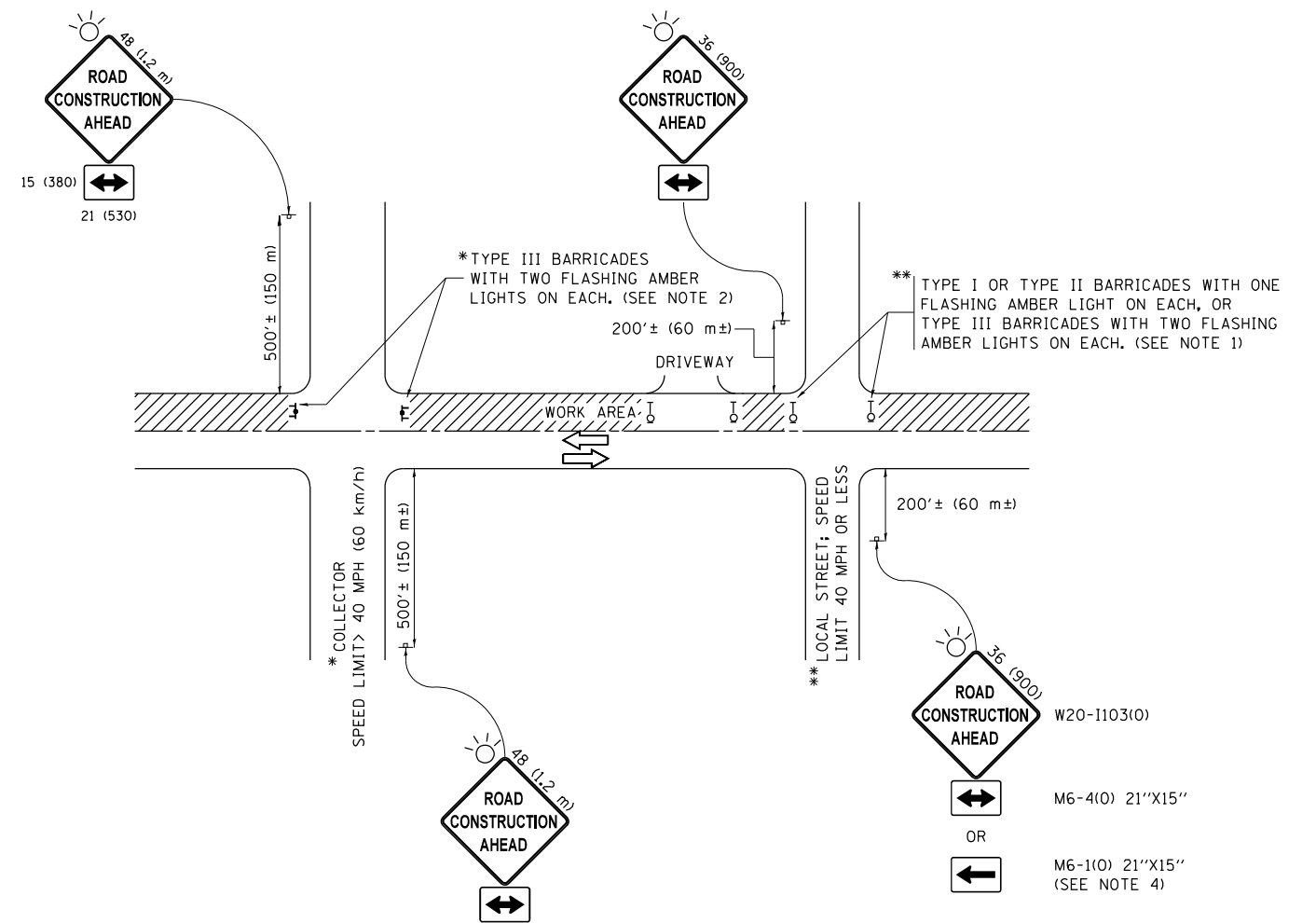
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	DRAWN -	REVISED - S.P.B._12-09
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D._06-13
PLOT DATE = 3/4/2019	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ENTRANCE_AND_EXIT_RAMP
 CLOSURE_DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	41
TC-08			CONTRACT NO. 62L91	
ILLINOIS		FED. AID PROJECT		



NOTES:

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

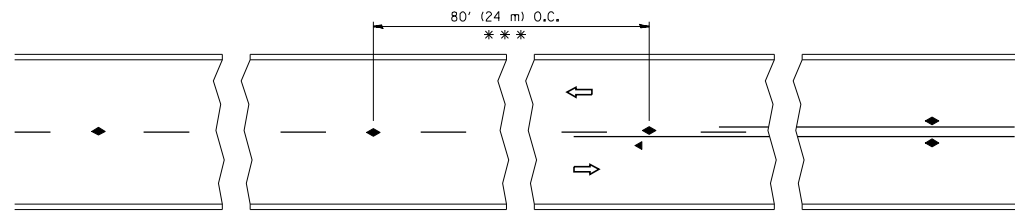
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
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Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

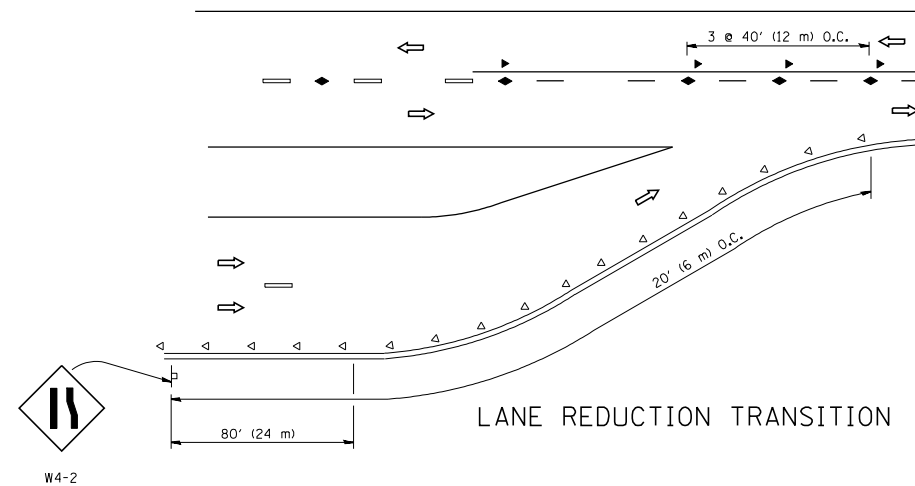
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	42
TC-10			CONTRACT NO. 62L91	
ILLINOIS FED. AID PROJECT				

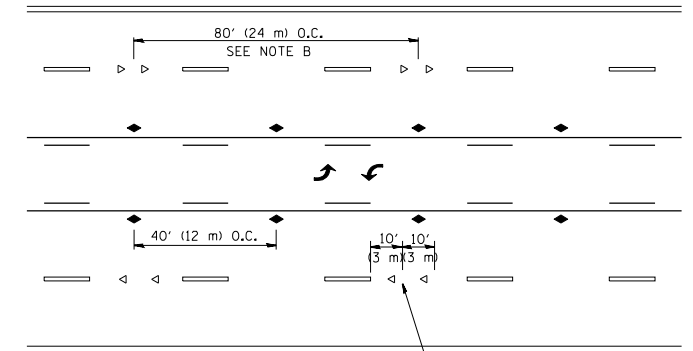


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

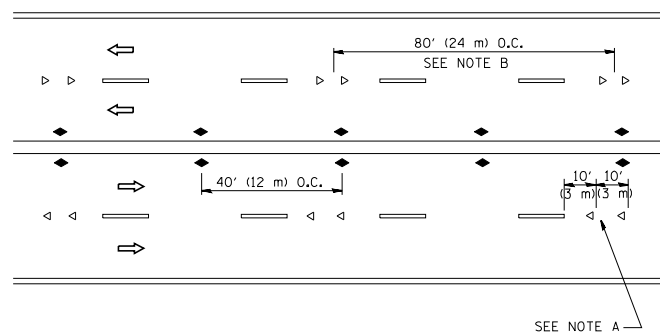
TWO-LANE/TWO-WAY



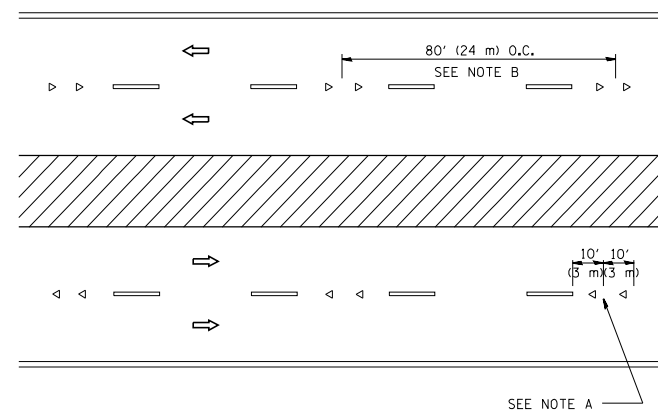
LANE REDUCTION TRANSITION



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.

SYMBOLS

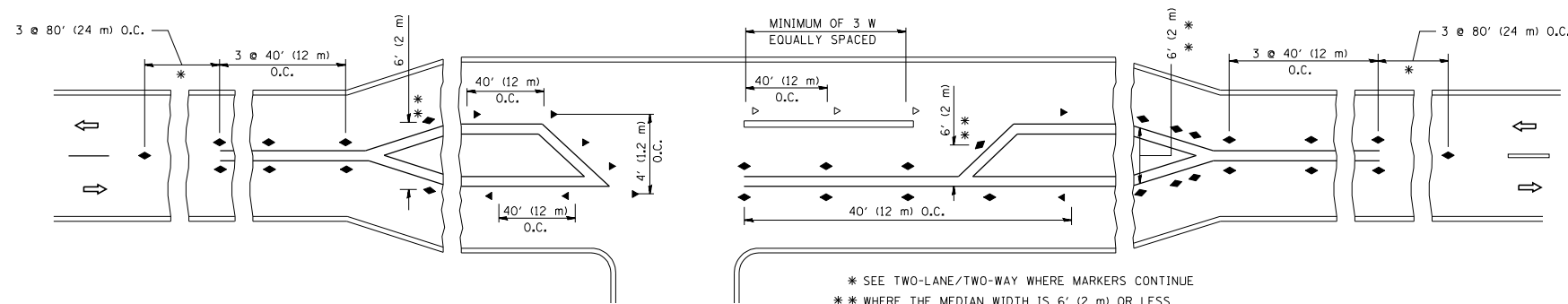
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

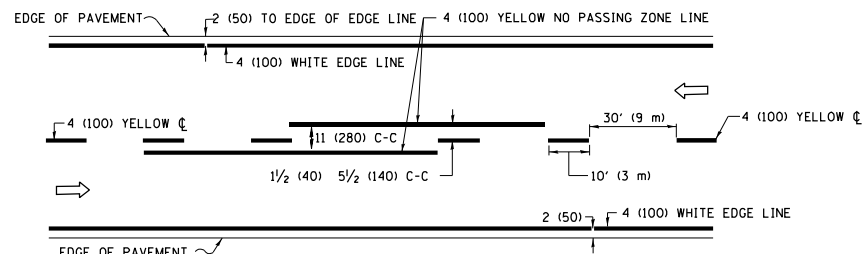
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

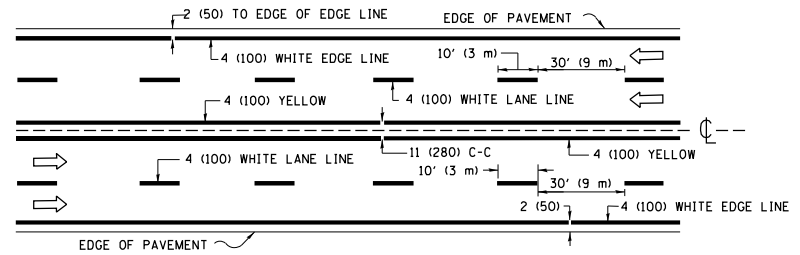
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

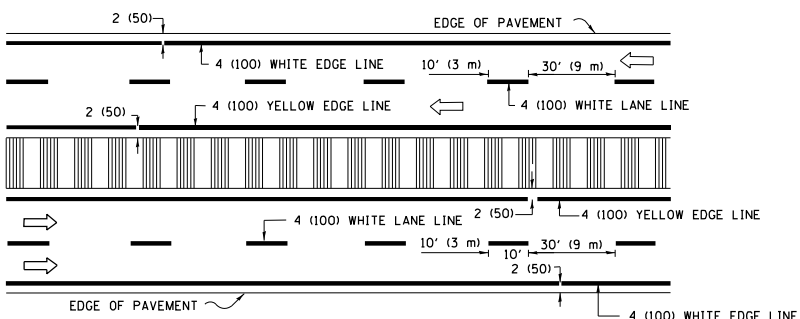
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	43
TC-11		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

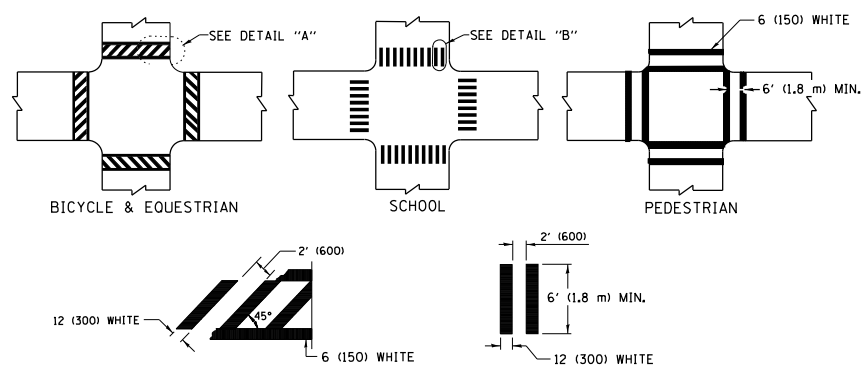


MULTI-LANE UNDIVIDED



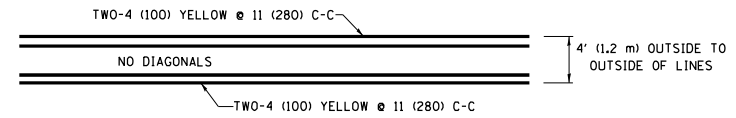
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

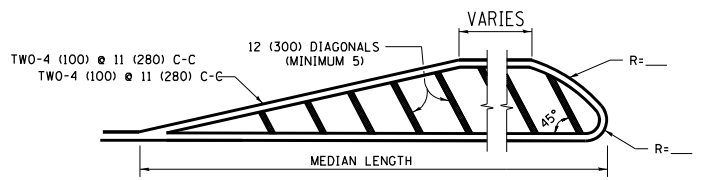


TYPICAL CROSSWALK MARKING

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

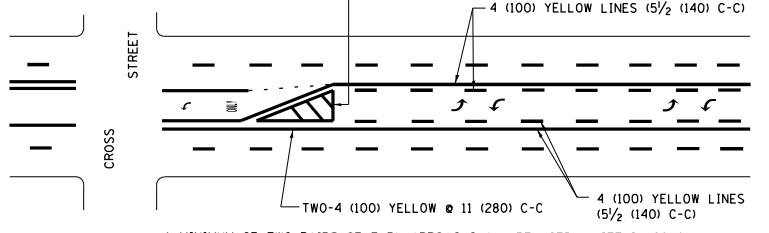


4' (1.2 m) WIDE MEDIANS ONLY

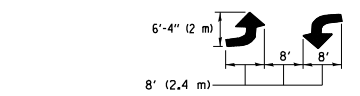


MEDIANS OVER 4' (1.2 m) WIDE

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))

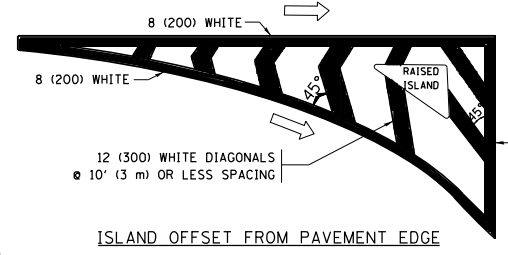


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

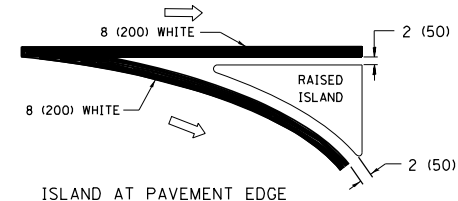


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

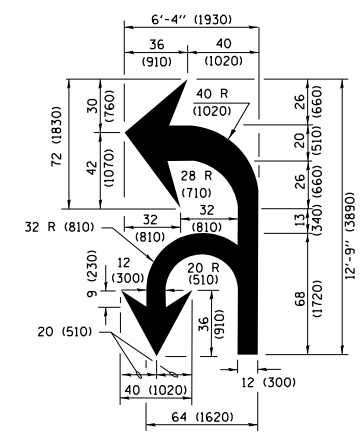
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



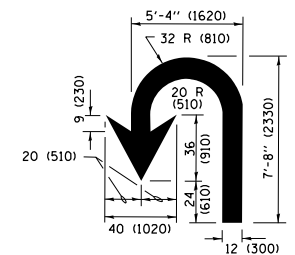
ISLAND OFFSET FROM PAVEMENT EDGE



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.

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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Default	PLOT SCALE = 50.000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	44
TC-13		CONTRACT NO. 62L91		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

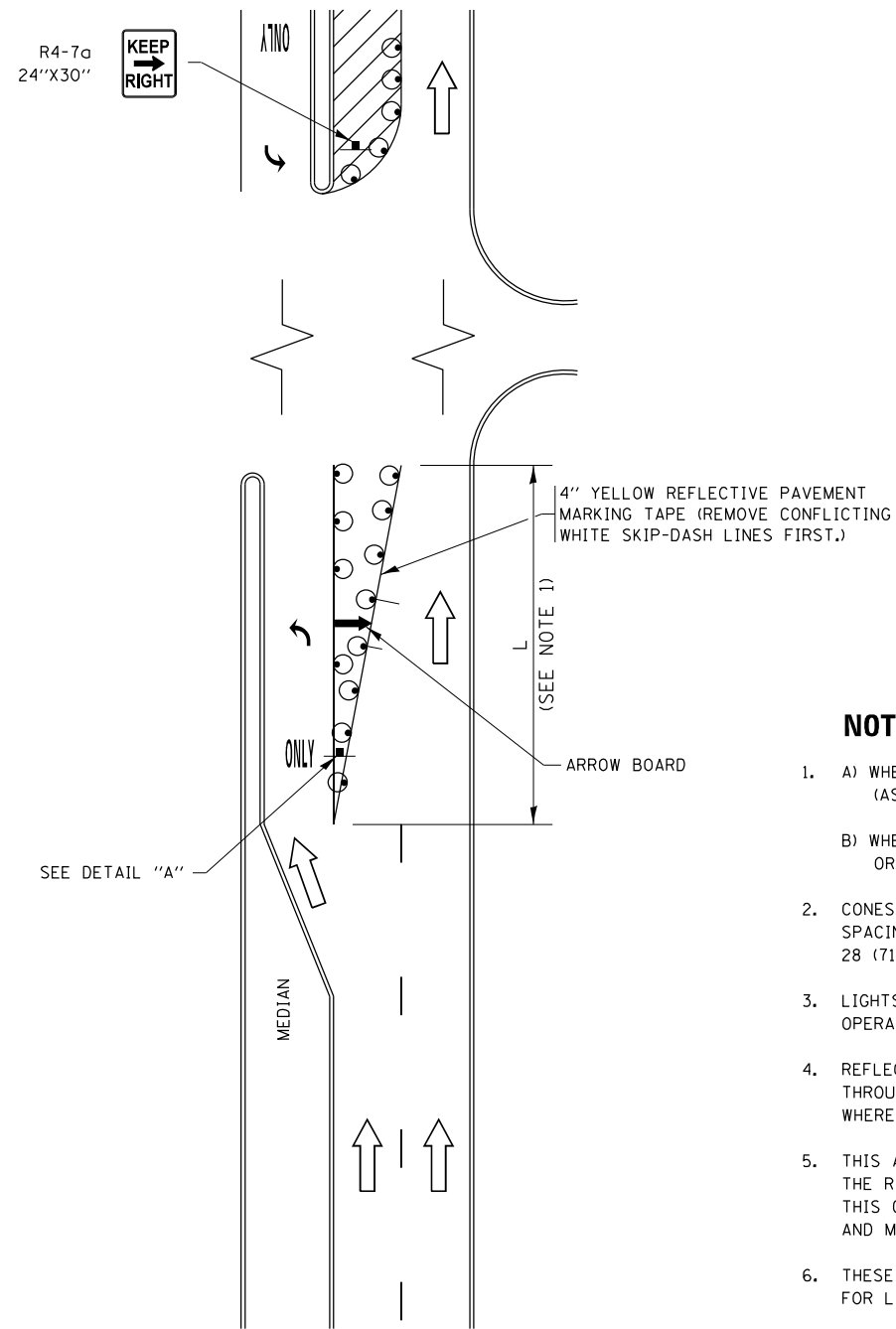


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

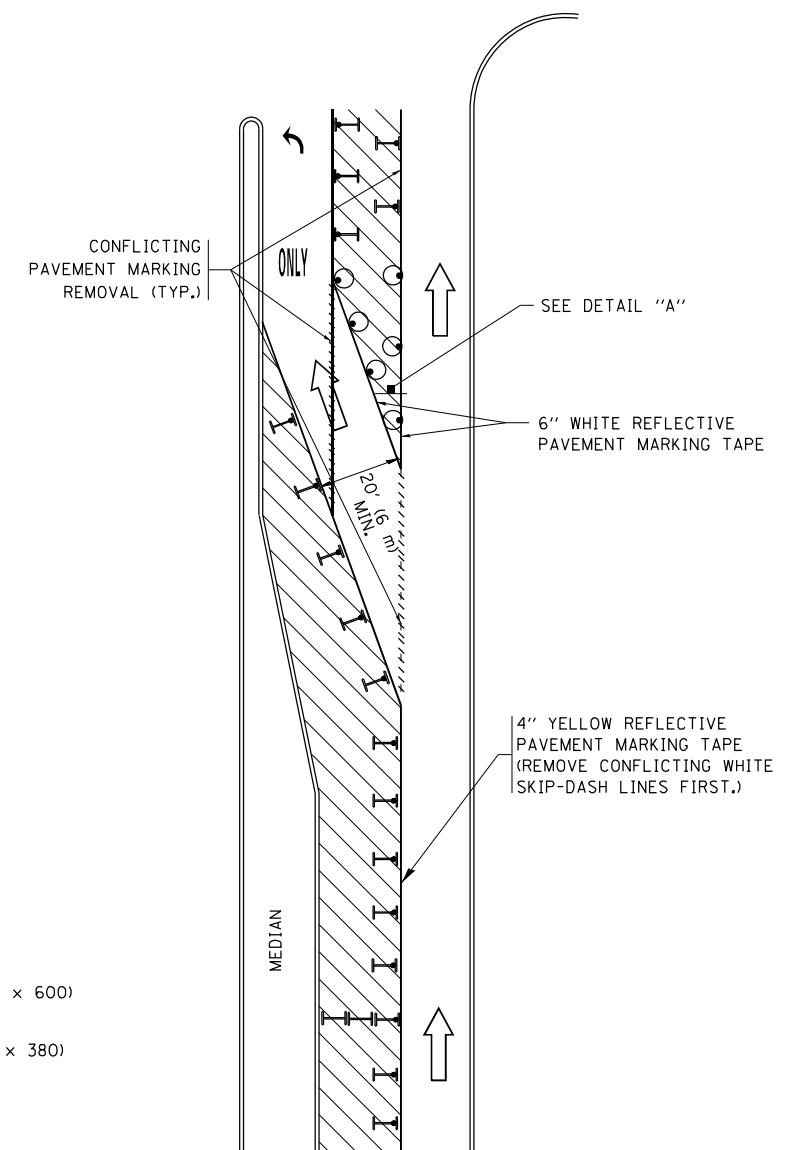


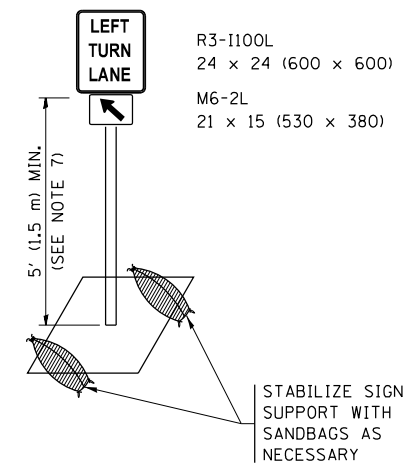
FIGURE 2

LEGEND

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

NOTES:

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



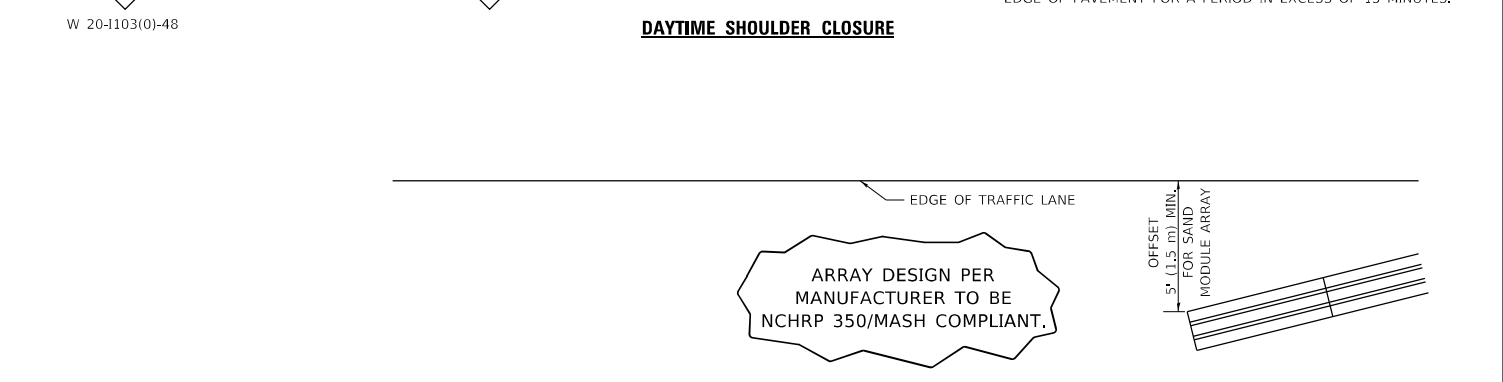
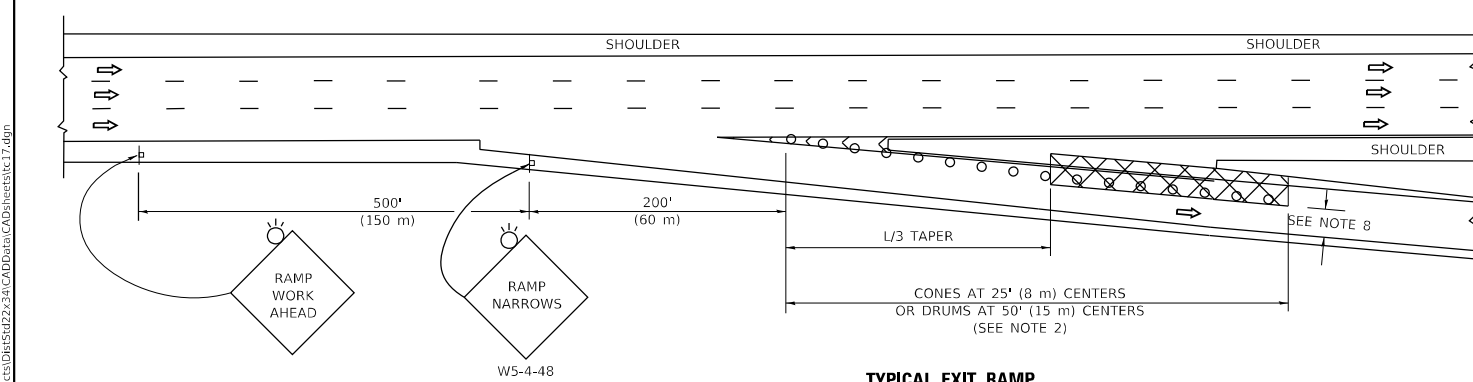
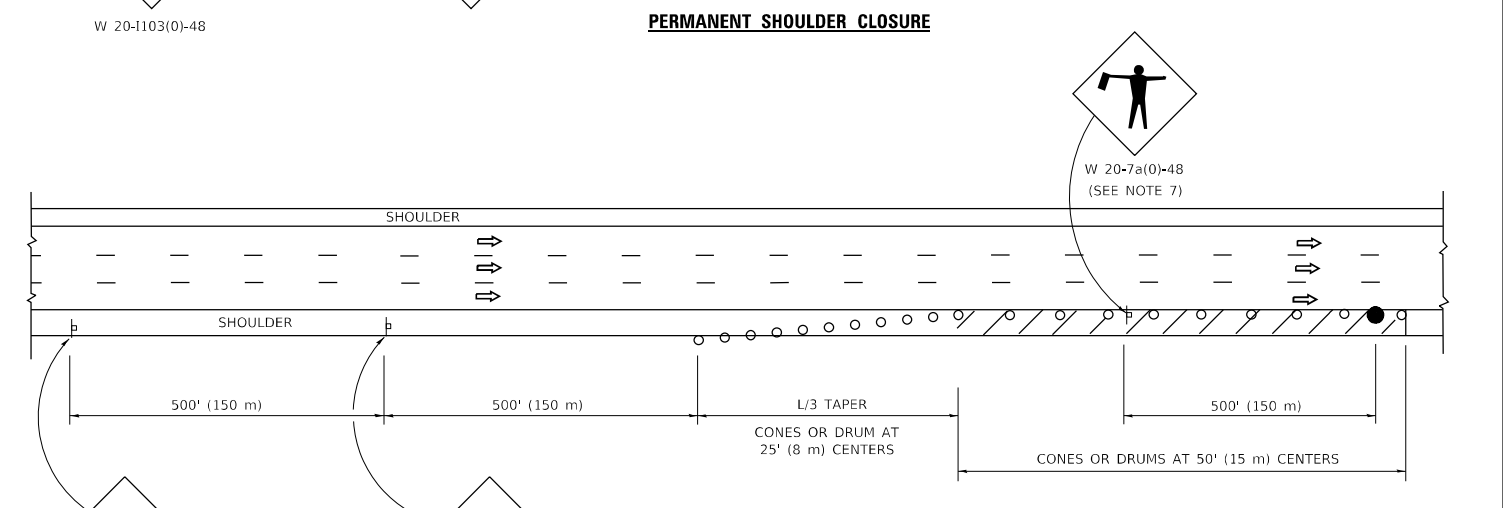
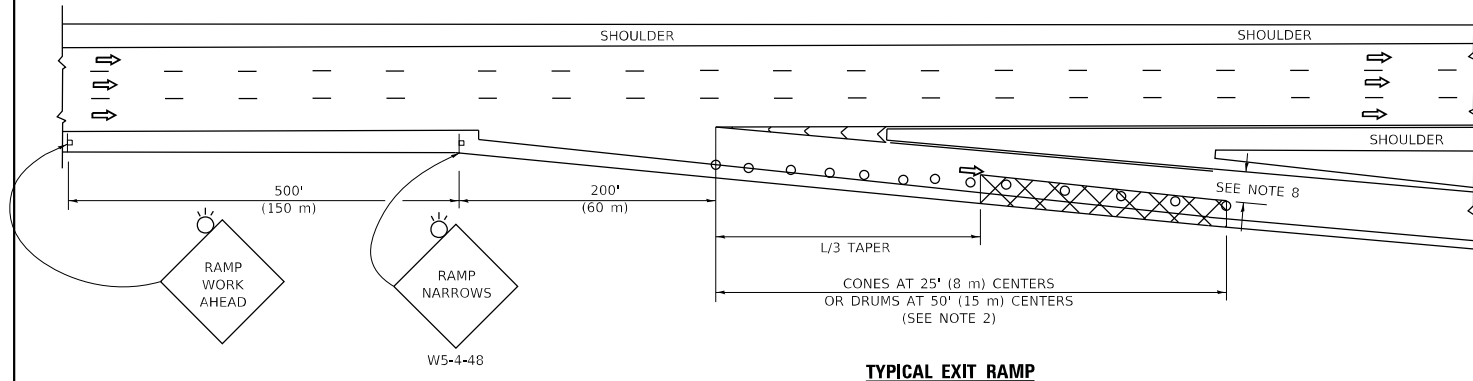
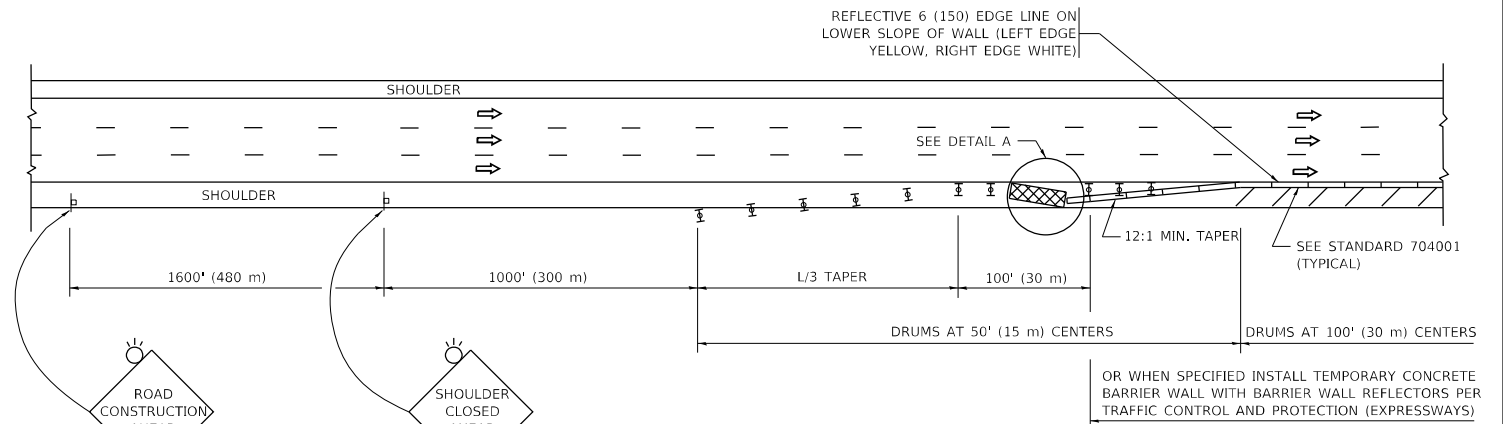
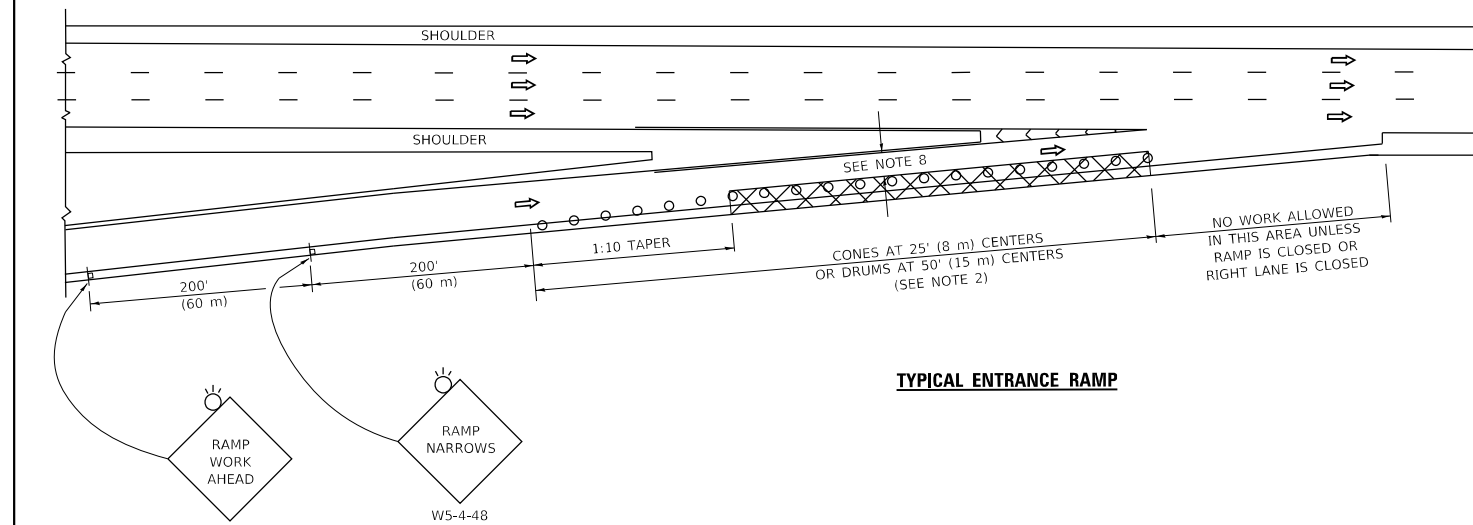
DETAIL A

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

FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 50.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					348	2020-113-RS	COOK	55	45
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -		TC-14			CONTRACT NO. 62L91				
					ILLINOIS FED. AID PROJECT							

PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS



SYMBOLS

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

GENERAL NOTES:

- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(W/S) L=(W/S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

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

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

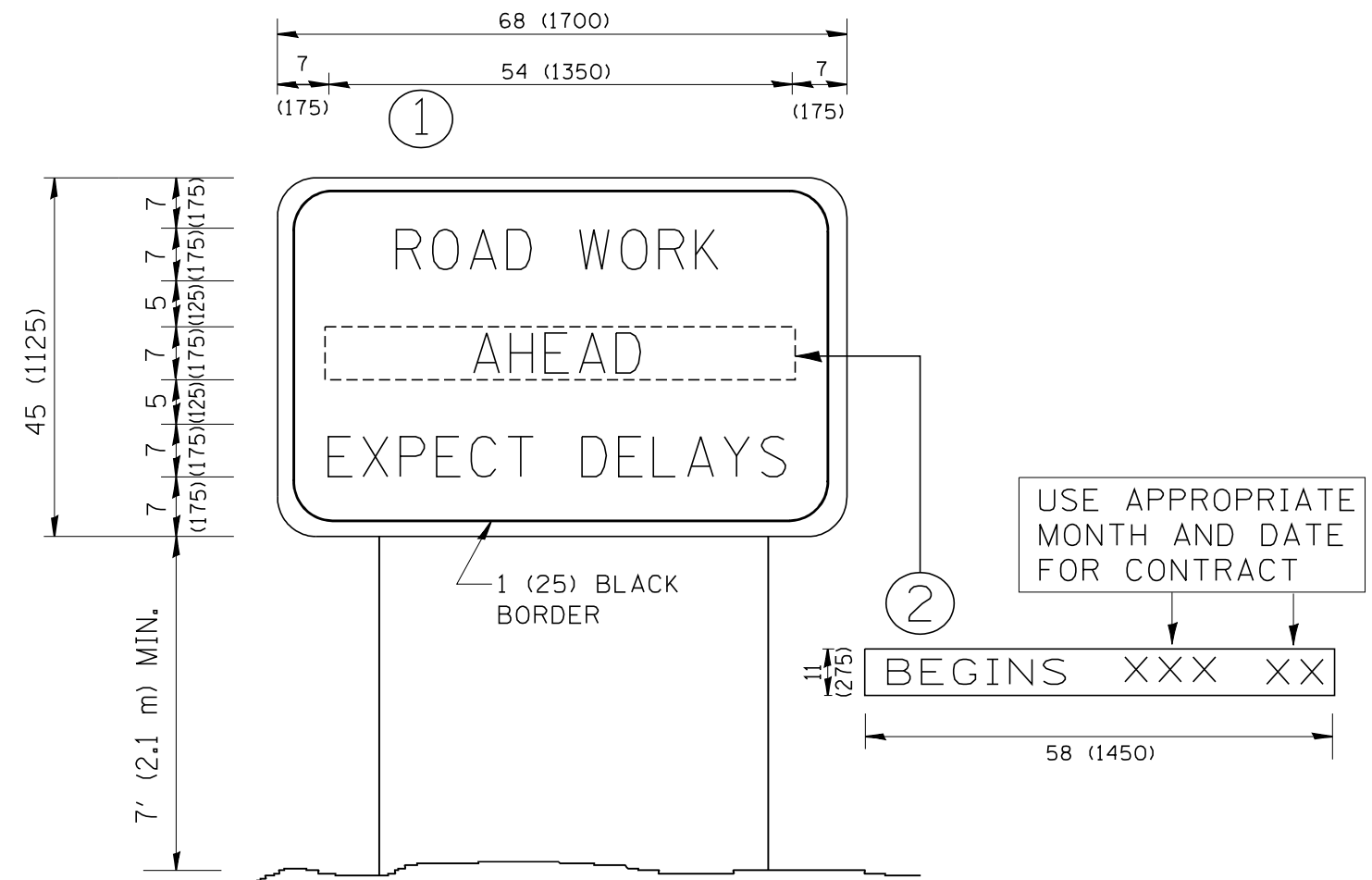
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USER NAME = footem	DESIGNED -	REVISED - S.P.B. 01-07
	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	47
TC-17		CONTRACT NO. 62L91		
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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

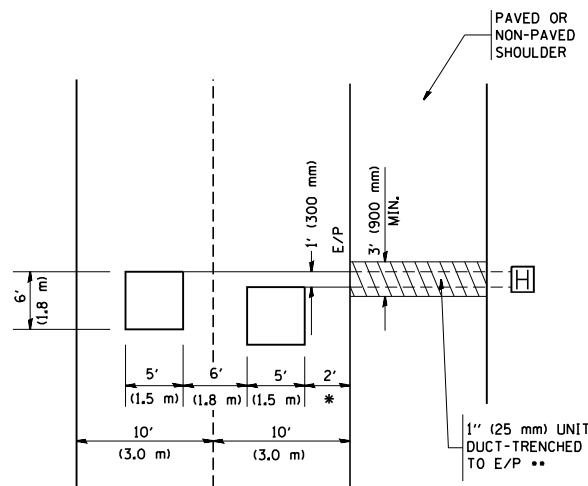
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	48
TC-22		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



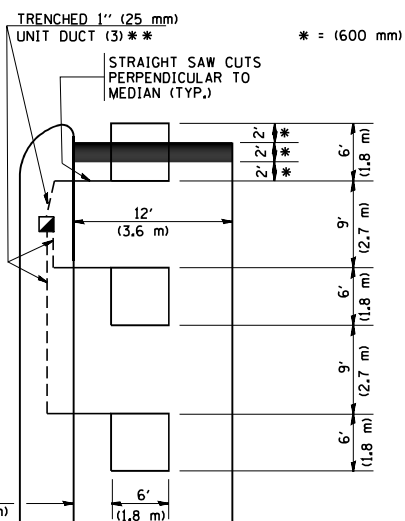
* = (600 mm)

** 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.



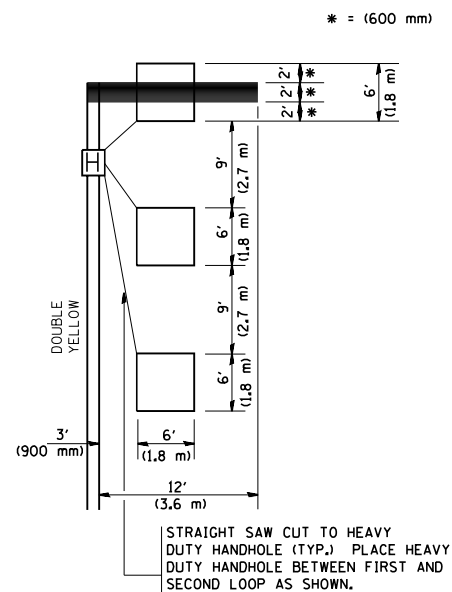
* = (600 mm)

** 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**

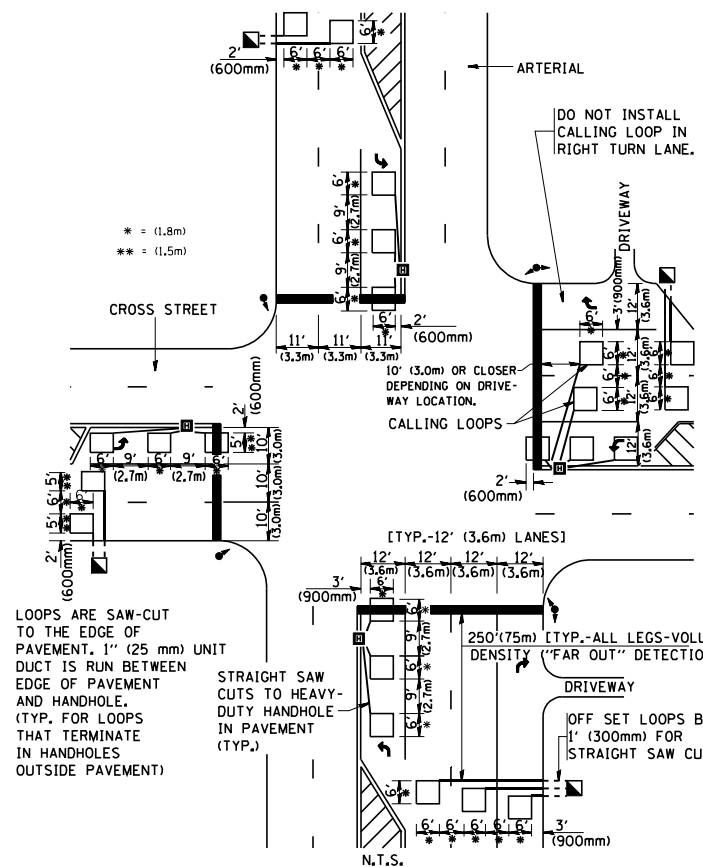
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

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

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

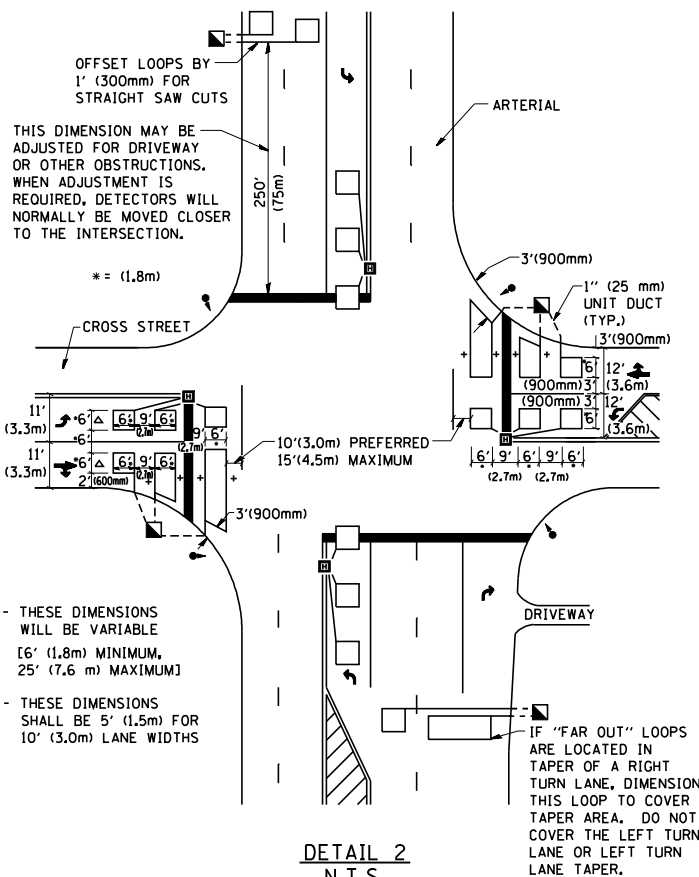


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

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

DETAIL 1
N.T.S.

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



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

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

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.

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 SEPARATELY. 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.

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USER NAME = gaglianobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

REVISED -
REVISED -
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

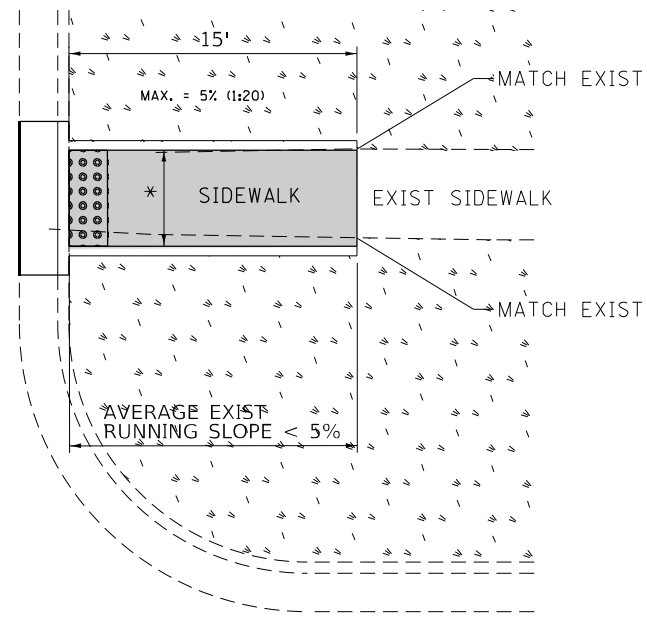
**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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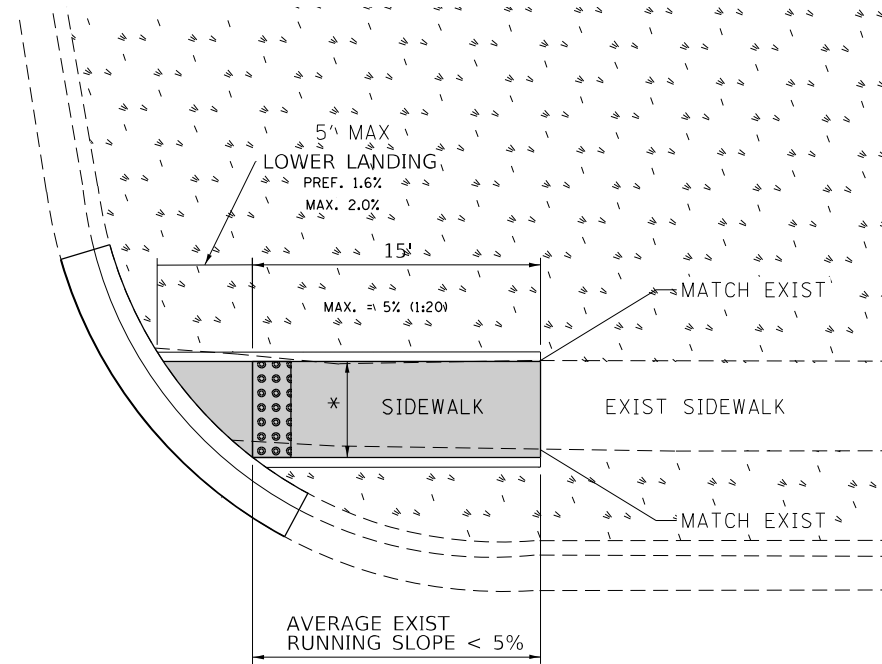
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	49
TS-07		CONTRACT NO. 62L91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

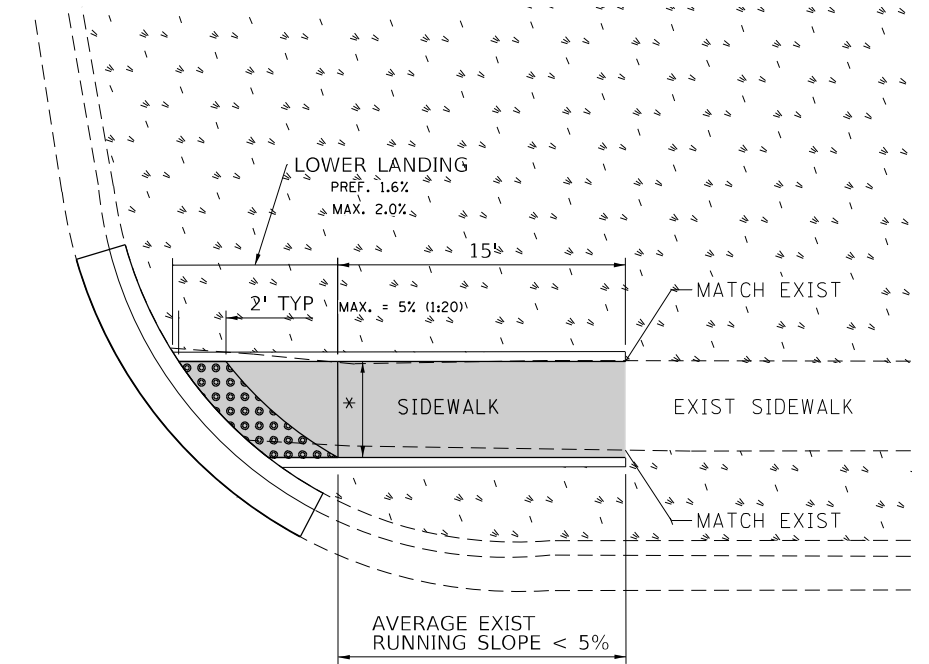
PD-01A



PD-01B

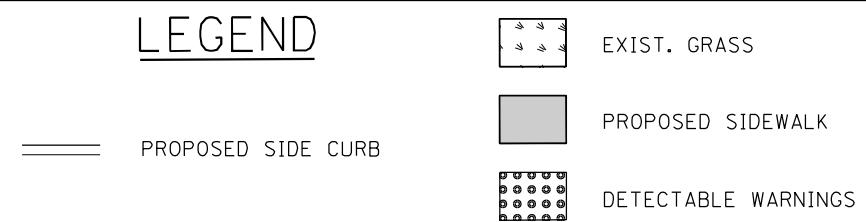


PD-01C



- 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

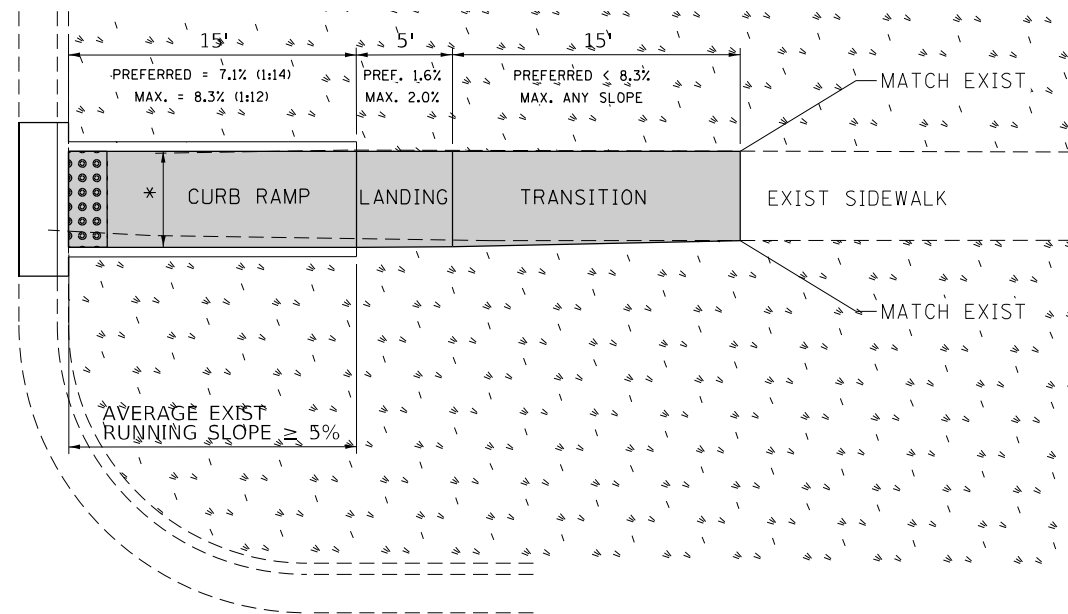


- CONSTRUCTION NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

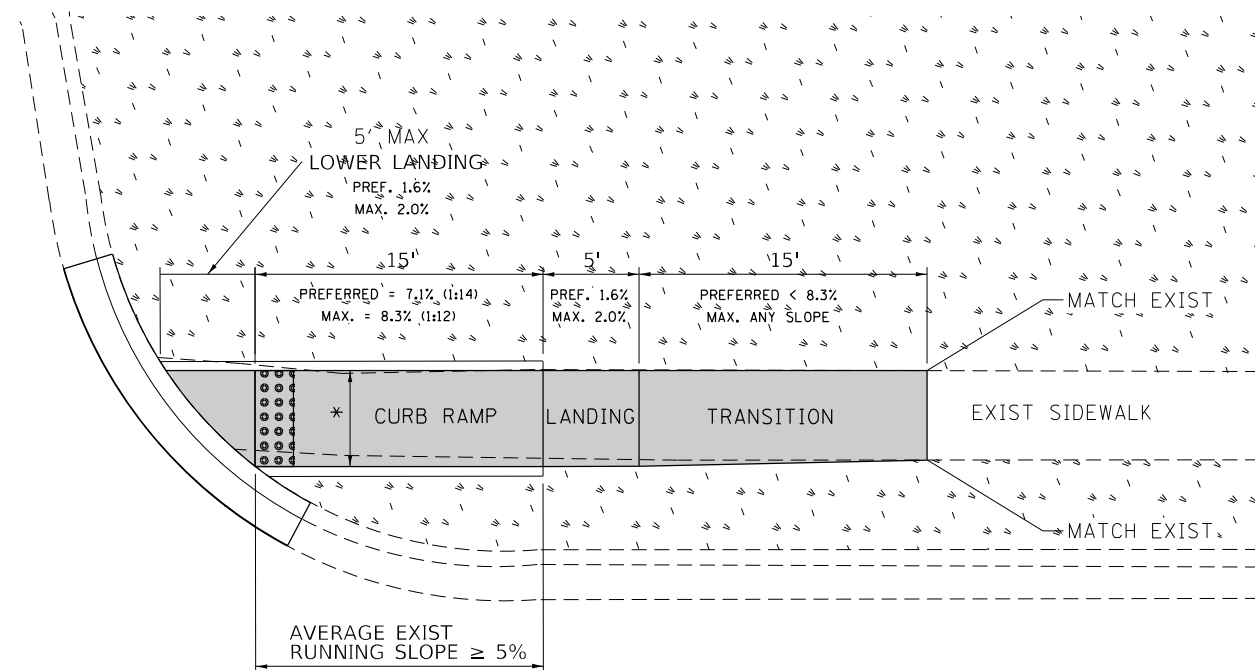
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S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plen.dgn	DRAWN - RL 11/12/2019	REVISIONS	348			2020-113-RS	COOK	55	50	
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	PLOT DATE = 11/12/2019	DATE -	REVISIONS			ILLINOIS FED. AID PROJECT				

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

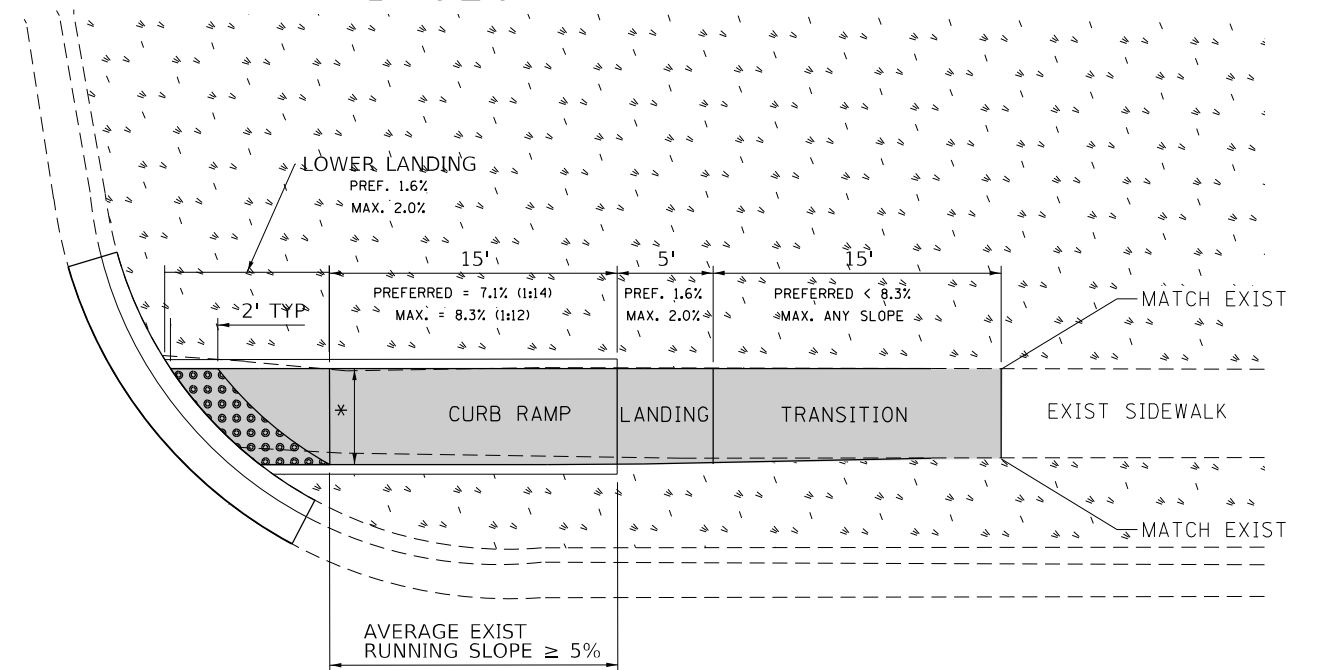
PD-02A



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

- 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**

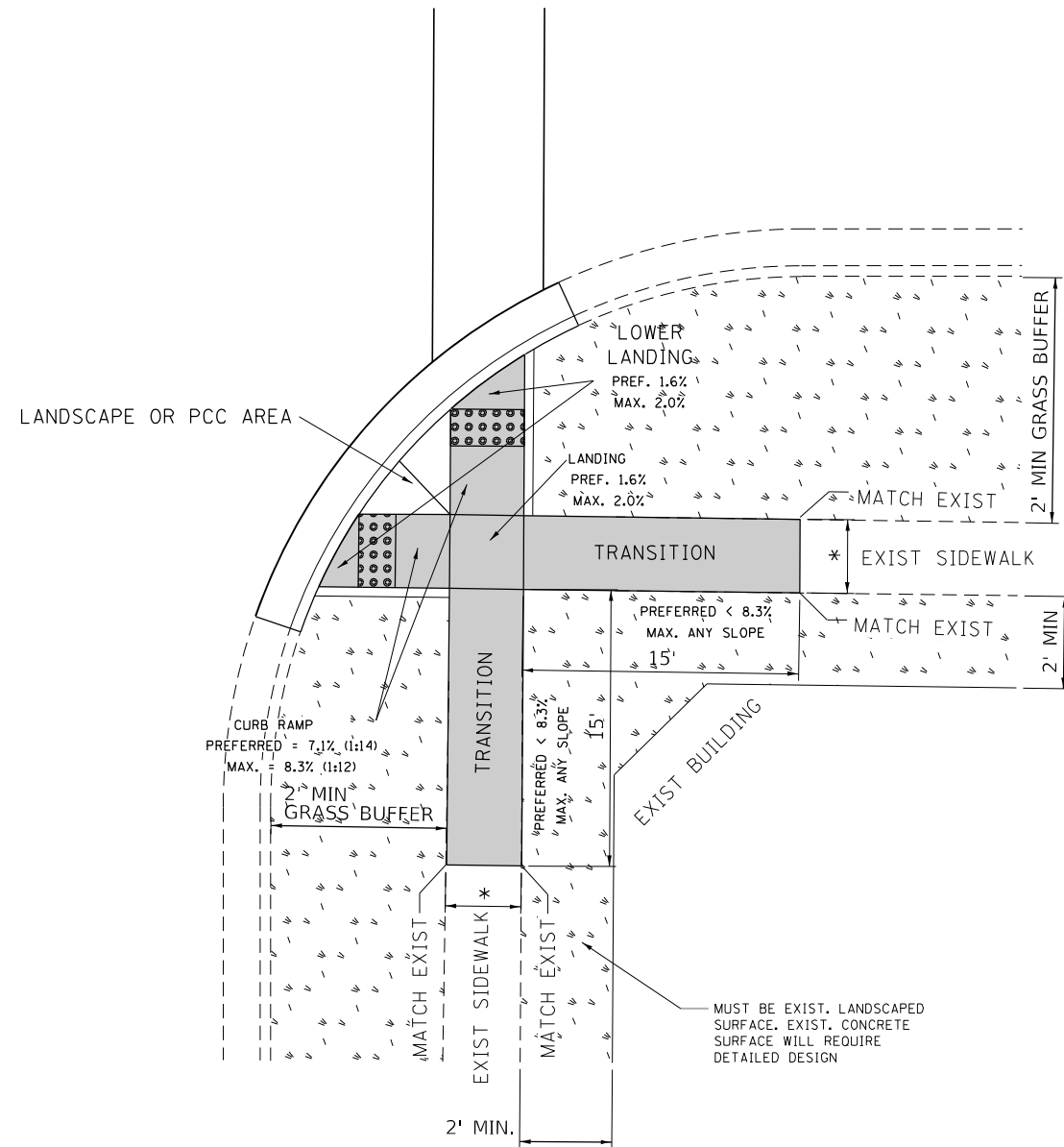
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)**

SCALE: SHEET OF SHEETS STA. TO STA.

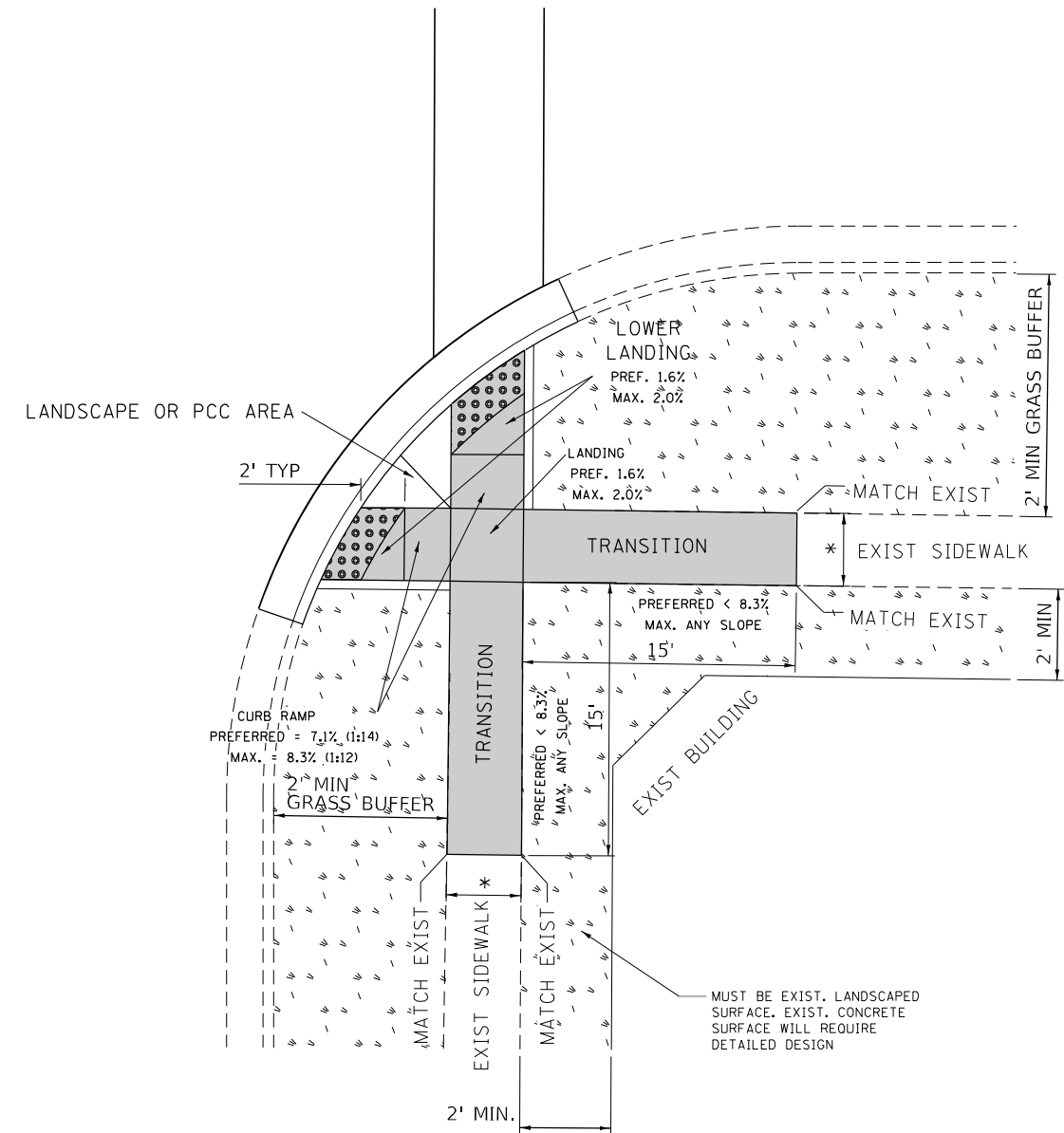
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-113-RS	COOK	55	51
PD-02		CONTRACT NO. 621.91		
ILLINOIS FED. AID PROJECT				

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

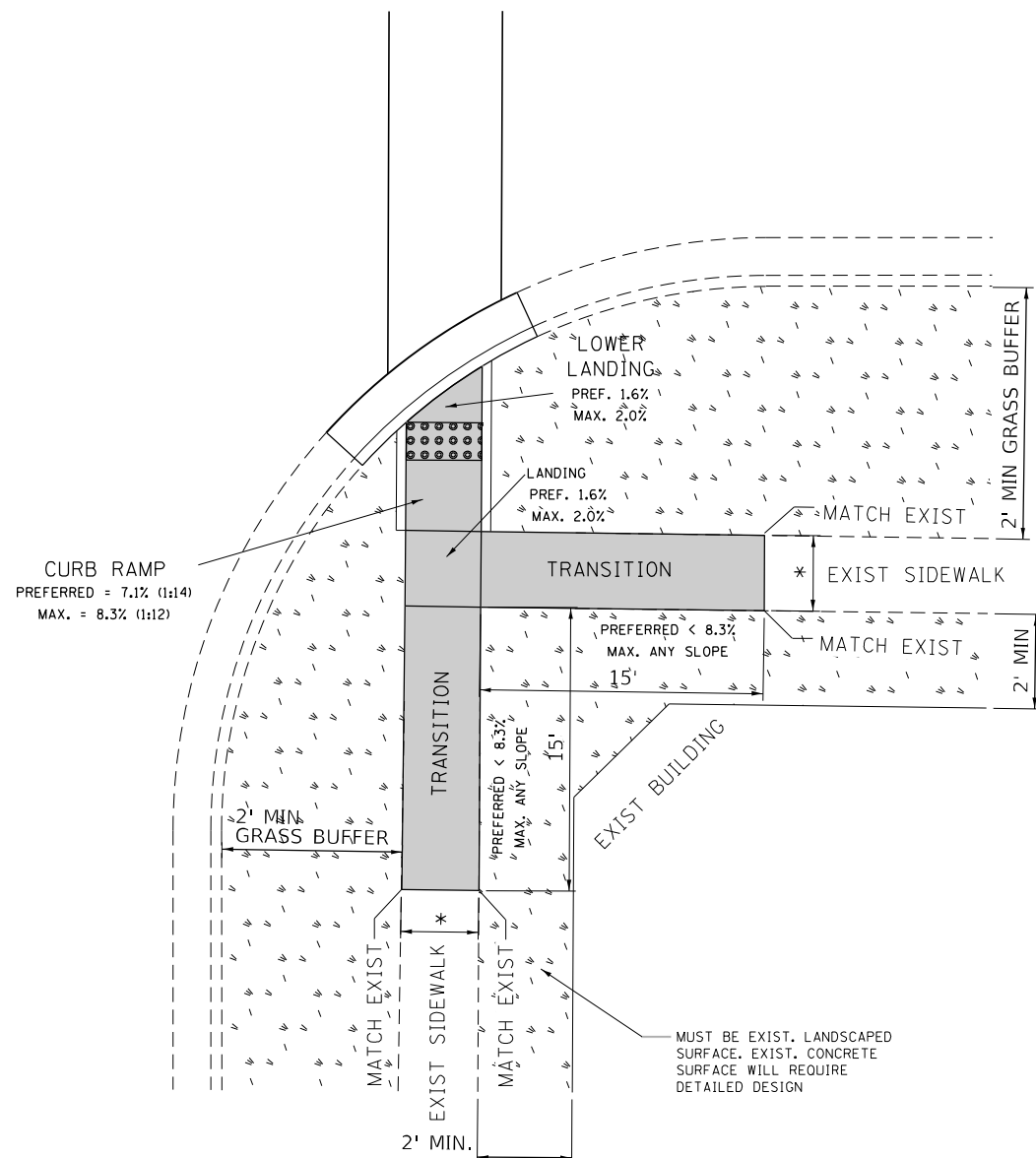
	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

- 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

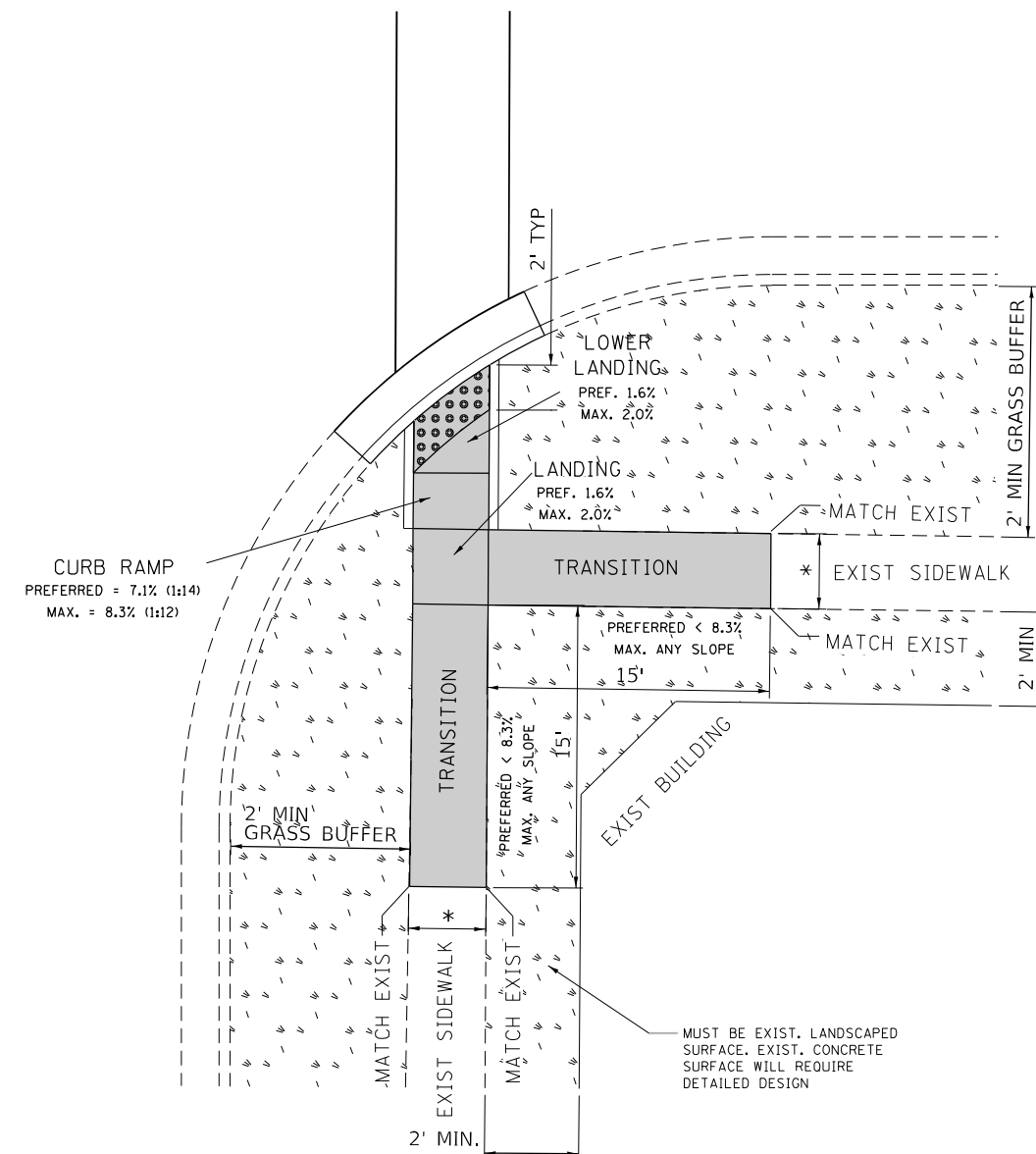
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	PLOT DATE = 11/12/2019	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ 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

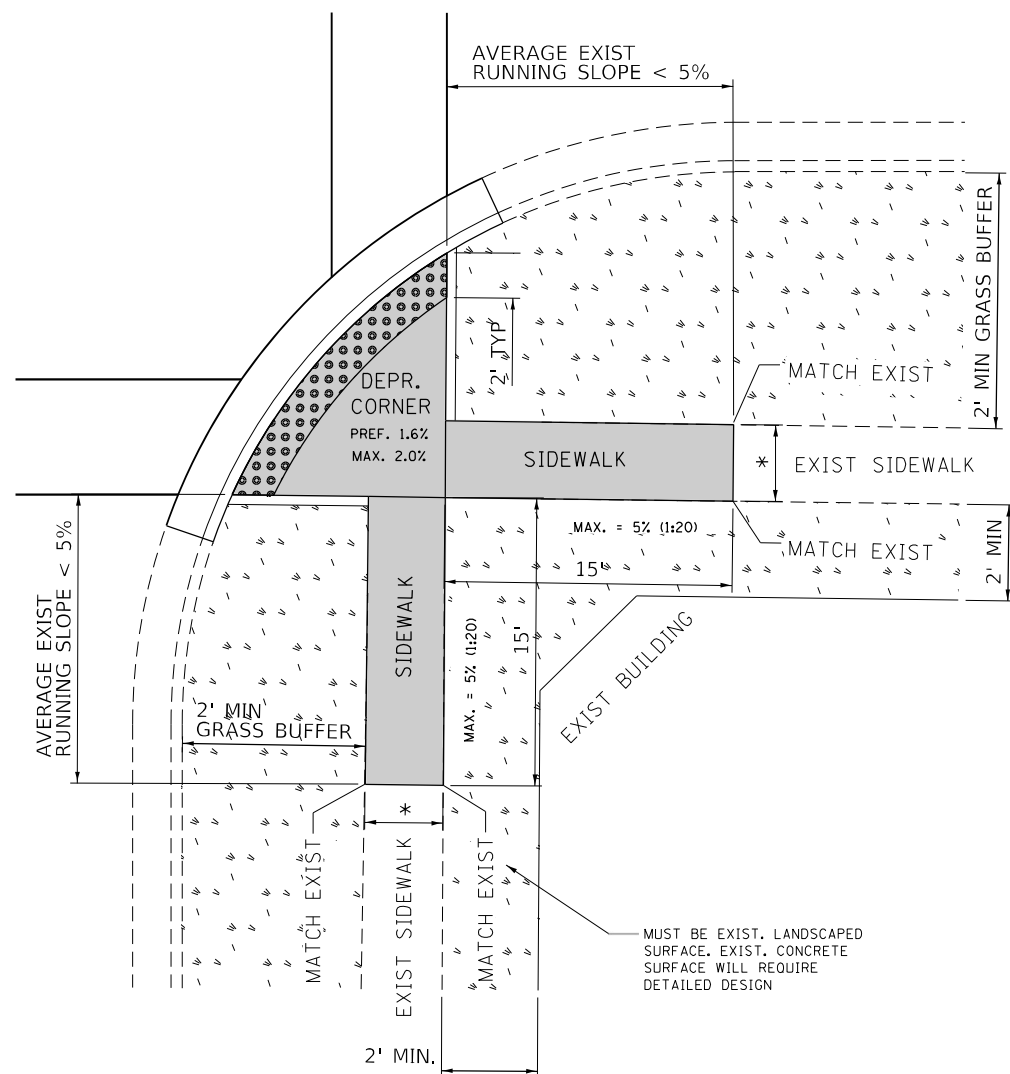
	PROPOSED SIDE CURB		EXIST. GRASS
	PROPOSED SIDEWALK		DETECTABLE WARNINGS

- 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

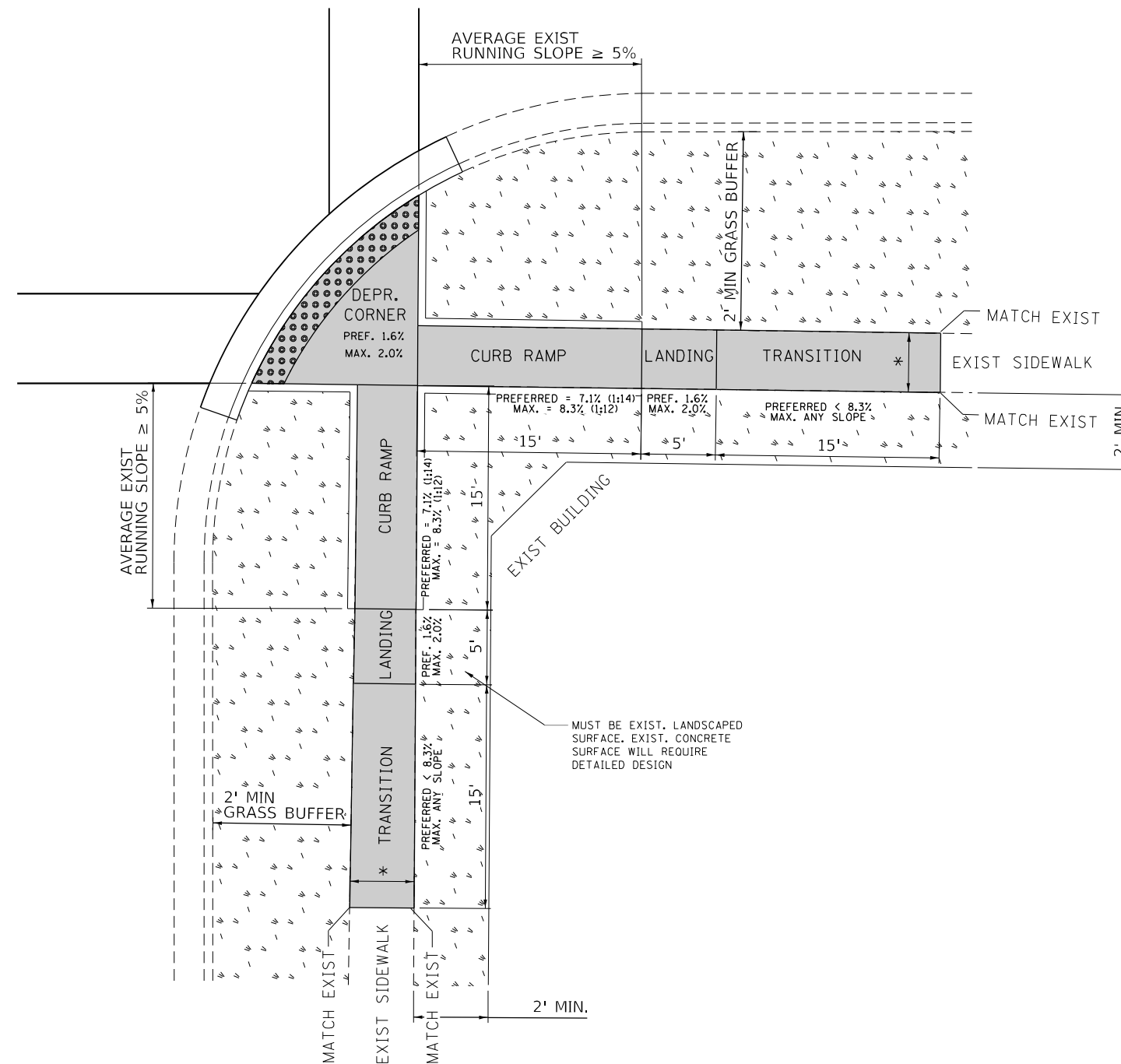
FILE NAME =	USER NAME = ledeznorm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/TURNING SPACE (PD-04)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plen.dgn	DRAWN - RL 11/12/2019	REVISED -			348	2020-113-RS	COOK	55	53
	PLOT SCALE = 10.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="2" style="text-align: center;">PD-04</td> <td colspan="2" style="text-align: center;">CONTRACT NO. 62191</td> <td colspan="2" style="text-align: center;">ILLINOIS FED. AID PROJECT</td>	CHECKED -	REVISED -			PD-04		CONTRACT NO. 62191		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

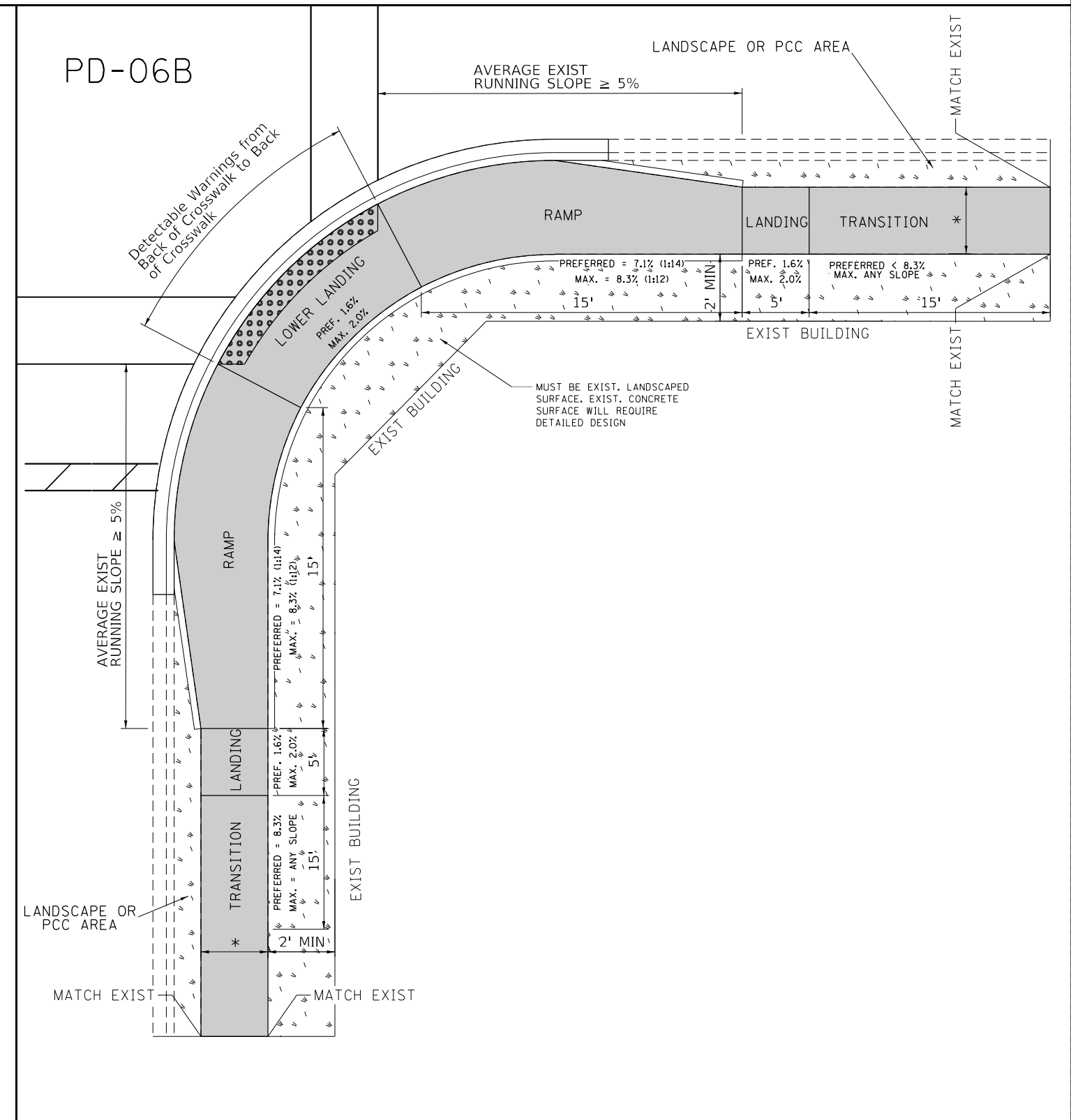
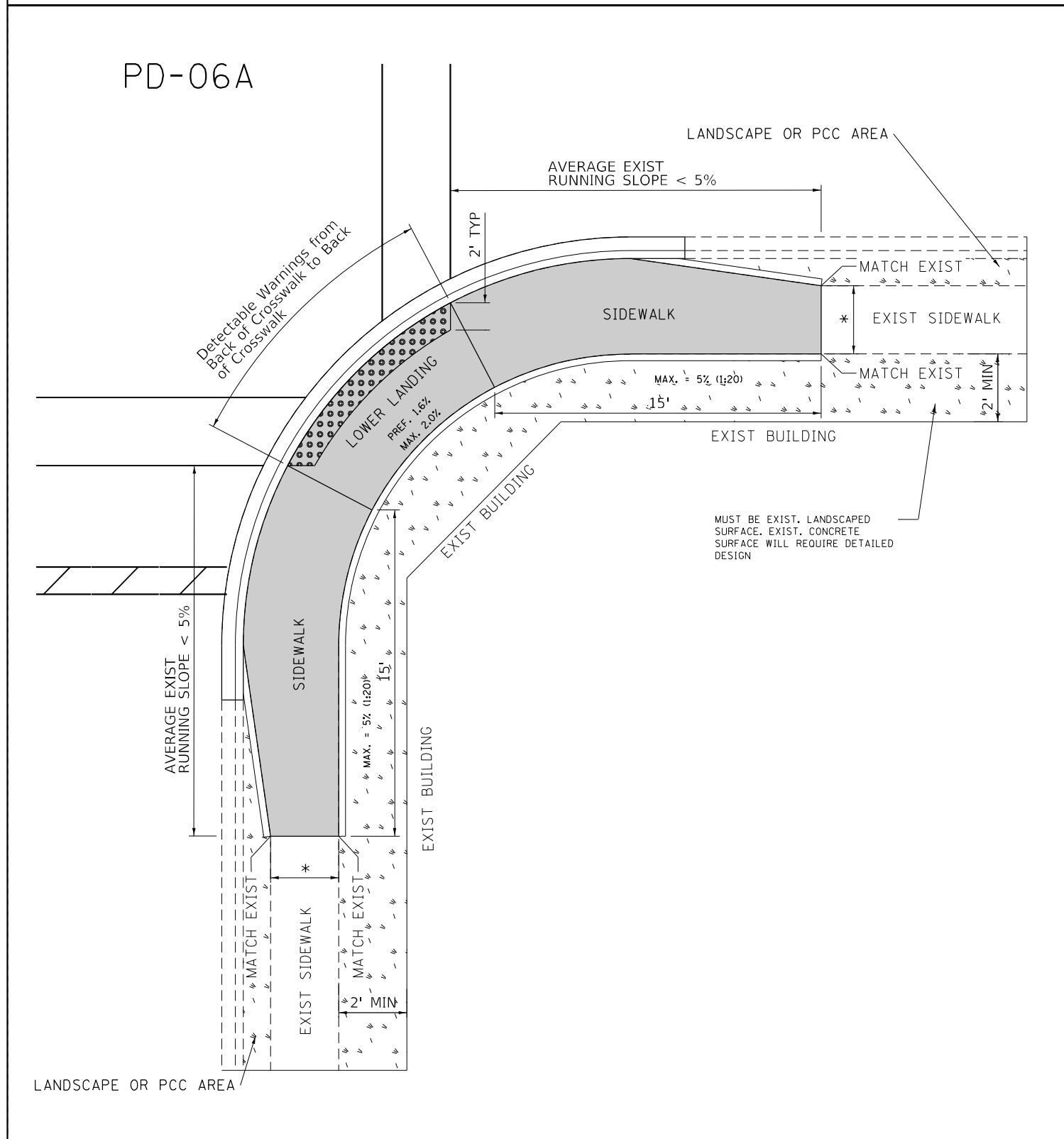
CONSTRUCTION NOTES:

- 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 = ledeznorm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plen.dgn	DRAWN - RL 11/12/2019	REVISED -			348	2020-113-RS	COOK	55	54
	PLOT SCALE = 10.0000' / 1" /	CHECKED -	REVISED -			PD-05		CONTRACT NO. 62191		ILLINOIS FED. AID PROJECT
	PLOT DATE = 11/12/2019	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.				

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		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 = ledemorm	DESIGNED -	REVISED -	STATE OF ILLINOIS	PROJECT DETAIL FOR PARALLEL CURB RAMPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -		SCALE:		PD-06			
	PLOT DATE = 11/12/2019	DATE -	REVISED -		SHEET OF SHEETS	STA. TO STA.				CONTRACT NO. 62L91
							ILLINOIS FED. AID PROJECT			