

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

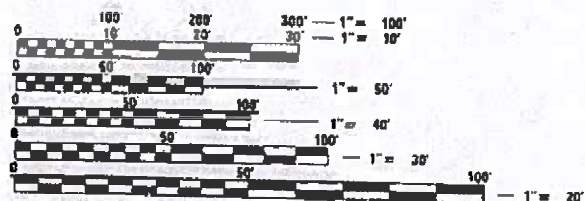
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-RS&SW	COOK	72	1
		ILLINOIS	CONTRACT NO. 62P16	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION: MINOR ARTERIAL
FAU ROUTE 2943: BURNHAM AVE
2018 ADT:
12,600 (159TH ST TO MICHIGAN CITY RD)
8450 (MICHIGAN CITY RD TO BRAINARD AVE)
SPEED LIMIT: VARIES 30-40 MPH

IMPROVEMENT LOCATED IN:
VILLAGE OF BURNHAM
CITY OF CALUMET CITY

**PROPOSED
HIGHWAY PLANS**
FAU ROUTE 2943: BURNHAM AVE
FROM 159TH ST TO BRAINARD AVE
SECTION 2021-079-RS&SW
FEDERAL PROJECT STP - NHPP - FZ9U (690)
DESIGN OVERLAY AND ADA RAMP IMPROVEMENTS
COOK COUNTY
C-91-207-21

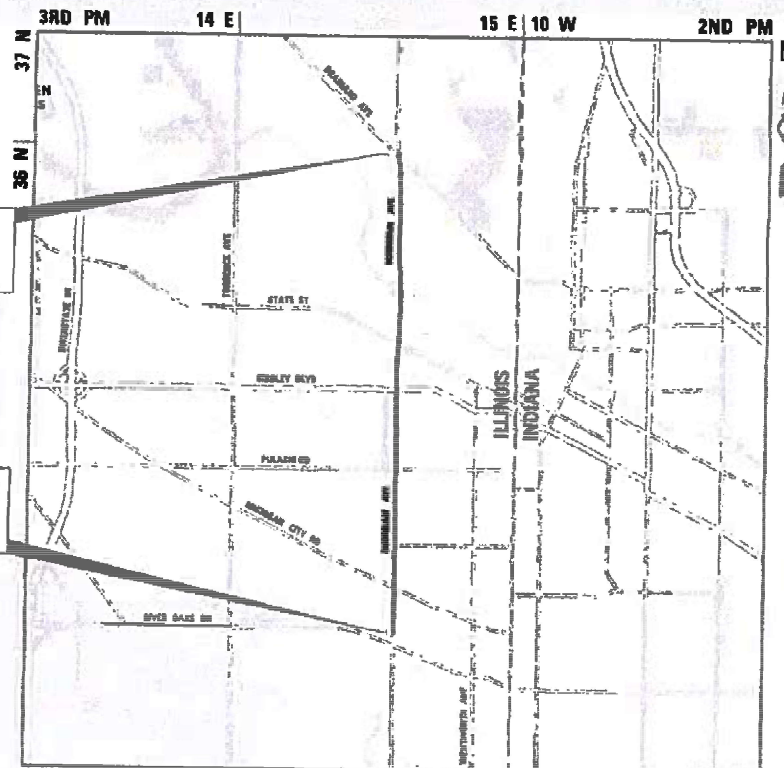


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER PRAVEEN KAINI, P.E. (847) 705-4237
PROJECT MANAGER J. ALAIN MIDY, P.E. (847) 221-3056

CONTRACT NO. 62P16



PROJECT ENDS
STA 183+32

RESURFACING OMISSION
STA 108+70 TO
STA 145+86

PROJECT BEGINS
STA 24+56

LOCATION MAP (NOT TO SCALE)
GROSS LENGTH = 15,876 FT. = 3.007 MILE
NET LENGTH = 12,160 FT. = 2.303 MILE

Accurate
GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

PROFESSIONAL ENGINEER
JAMES JOSEPH DAVIS
062.07275
STATE OF ILLINOIS
James Davis

DATE SIGNED: 10-04-21
EXP. DATE: 11-30-21
SHEETS:

PROFESSIONAL ENGINEER
ERIC J. GRZESKOWSKI
082-054484
STATE OF ILLINOIS
Eric Grzeskowski

DATE SIGNED: 09-28-21
EXP. DATE: 11-30-21
SHEETS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 22, 2021
Jose Pina
REGIONAL ENGINEER

December 10, 2021
Steph M. Smith
ENGINEER OF DESIGN AND ENVIRONMENT

December 10, 2021
Steph M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS AND DETAILS
8	ADA CURB RAMP SCHEDULE OF QUANTITIES
9-14	RESURFACING AND PAVEMENT MARKING PLANS
15-46	ADA CURB RAMP DETAILS
47-51	PROJECT DETAILS FOR ADA CURB RAMP
52-57	DETECTOR LOOP REPLACEMENT PLANS
58	SOLAR-POWERED FLASHING BEACON (COMPLETE) INSTALLATION DETAIL
59	BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
60	BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
61	BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
62	BD-32 BUTT JOINT AND HMA TAPER DETAILS
63	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
64	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
65	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
66	TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAY (TO REMAIN OPEN TO TRAFFIC)
67	TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
68	TC-22 ARTERIAL ROAD INFORMATION SIGN
69-70	TC-23 TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
71	TC-26 DRIVEWAY ENTRANCE SIGNING
72	TS-07 DETECTOR LOOP INSTALLION DETAIL FOR ROADWAY RESURFACING

LIST OF STATE HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
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
720006-04	SIGN PANEL ERECTION DETAILS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. 48 HOUR NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF CALUMET CITY, AND THE VILLAGE OF BURNHAM.
- 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 CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNON-HOSADURGA, AT KAPLANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK AND INSTALLATION.
- THE ENGINEER SHALL CONTACT THE SOUTH COOK TRAFFIC FIELD AREA ENGINEER PATRICE HARRIS, AT PATRICE.HARRIS@ILLNOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PLACEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED AT A MINIMUM OF 1:3 (V:H).
- BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING, RESURFACING, AND CLASS D PATCHING OPERATIONS.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- EXACT LOCATIONS OF PAVEMENT PATCHING AND CURB & GUTTER REMOVAL & REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKING STANDARD DETAIL.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- RELOCATION OF EXISTING PLANTER BOXES IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
- 2-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OR WORK TO EXISTING CURBS AND GUTTERS UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK.
- SAW CUTTING OF PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED EXCEPT FOR CLASS B PATCHES .
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION AND EXISTING SIDEWALK TO BE REMOVED WITHOUT PROPOSED REPLACEMENT SHALL BE RESTORED WITH "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" AS DIRECTED BY THE ENGINEER.
- THE SIDEWALK ON ONLY ONE SIDE OF THE ROAD MAY BE CLOSED AT ANY TIME, WHILE THE SIDEWALK ON THE OPPOSITE SIDE OF THE ROAD SHALL REMAIN OPEN AND FULLY ACCESSIBLE. THE CONTRACTOR SHALL PLAN AND SCHEDULE ALL WORK ACCORDINGLY.
- PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS TO THE EXTENT POSSIBLE, TO BE DETERMINED BY THE ENGINEER.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ANY DETECTOR LOOPS DAMAGED OUTSIDE OF THE RESURFACING LIMITS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.
- CLASS B PATCHES WITHIN LIMITS SHOWN IN THE PLANS. LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. NOMINAL QUANTITIES ARE INCLUDED IN THE CONTRACT DOCUMENTS.
- CLASS D PATCHES, 4" WILL BE USED IN FRONT OF THE CURB AND GUTTER BEING REMOVED AND REPLACED FOR THE ADA RAMPS UNLESS OTHERWISE NOTED.

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	DRAWN - DW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 11/9/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	2
CONTRACT NO.				62P16
ILLINOIS FED. AID PROJECT F29U(690)				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP 80% FED 20% STATE	NHPP 80% FED 20% STATE
				ROADWAY	ROADWAY
				0005	0005
URBAN	URBAN				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	13	7
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	8	4
67100100	MOBILIZATION	L SUM	1	0.65	0.35
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.65	0.35
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.65	0.35
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.65	0.35
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	18	10
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15802	10272	5530
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5267	3424	1843
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	547	356	191
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	31368	20389	10979
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	6079	3951	2128
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	299	194	105
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	1381	898	483

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP 80% FED 20% STATE	NHPP 80% FED 20% STATE
				ROADWAY	ROADWAY
				0005	0005
URBAN	URBAN				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	1044	679	365
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	7901	5136	2765
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	1	1
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	0
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4	0
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	9	0	9
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	27	18	9
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	547	356	191
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	31368	20389	10979
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5949	3867	2082
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	299	194	105
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1381	898	483
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	996	647	349
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	191	0	191

* SPECIALTY ITEMS



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PLOT DATE = 11/18/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	5
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

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				STP 80% FED 20% STATE	NHPP 80% FED 20% STATE
				ROADWAY	ROADWAY
				0005	0005
	URBAN	URBAN			
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	48	0	48
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1350	877	473
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1350	877	473
* 78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	95	0	95
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7	4	3
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2997	1512	1485
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	18	11	7
* 89502376	REBUILD EXISTING HANDHOLE	EACH	7	7	0
	X0320050 CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.65	0.35
	X0326806 WASHOUT BASIN	L SUM	1	0.65	0.35
* X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	20	20	0
	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3875	3875	0
<input type="checkbox"/> X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2550	1657	893
	X6030310 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	94	61	33

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP 80% FED 20% STATE	NHPP 80% FED 20% STATE
				ROADWAY	ROADWAY
				0005	0005
	URBAN	URBAN			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0	1
	78300201 PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	17711	11512	6199
* X7200075	REMOVE AND REINSTALL SIGN PANEL	SQ FT	6	6	0
* X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	3	1	2
	Z0004542 HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQ YD	282	269	13
<input type="checkbox"/> Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	60	39	21
	Z0030850 TEMPORARY INFORMATION SIGNING	SQ FT	371	241	130
	Z0048665 RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0	1
	Z0076600 TRAINEES	HOOR	0		
	Z0004562 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2464	1841	623

* SPECIALTY ITEMS

NON-PART 100% STATE



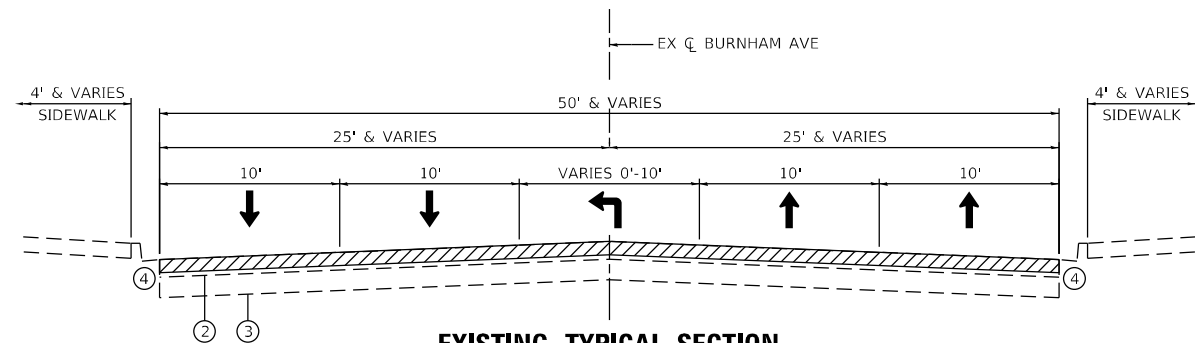
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

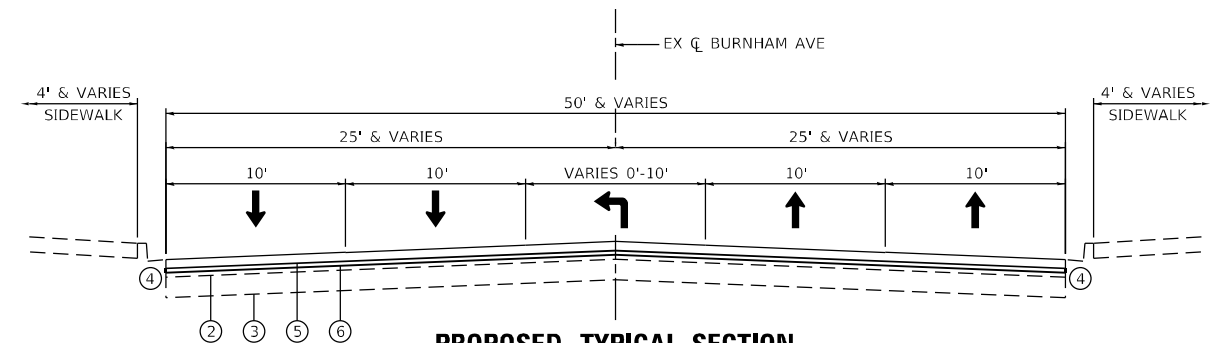
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CONTRACT NO. 62P16			ILLINOIS FED. AID PROJECT F29U(690)	



EXISTING TYPICAL SECTION

STA 24+56 TO STA 57+70
STA 65+62 TO STA 183+32

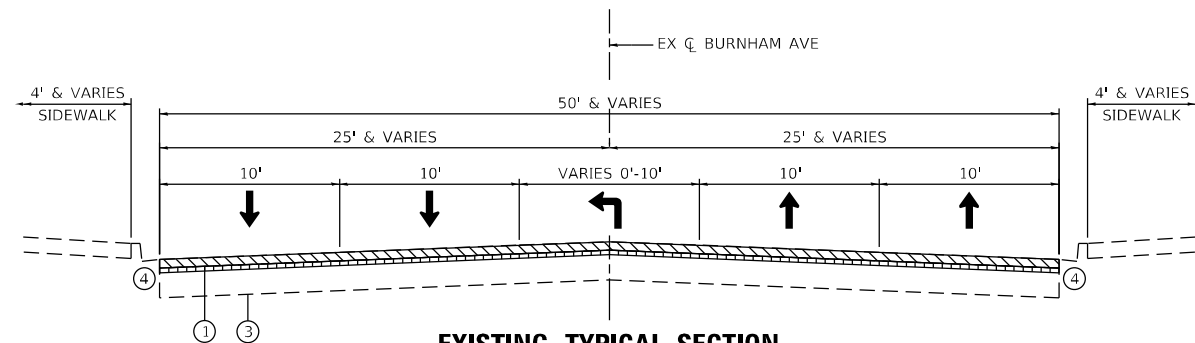
OMISSION: STA 108+70 TO STA 145+86



PROPOSED TYPICAL SECTION

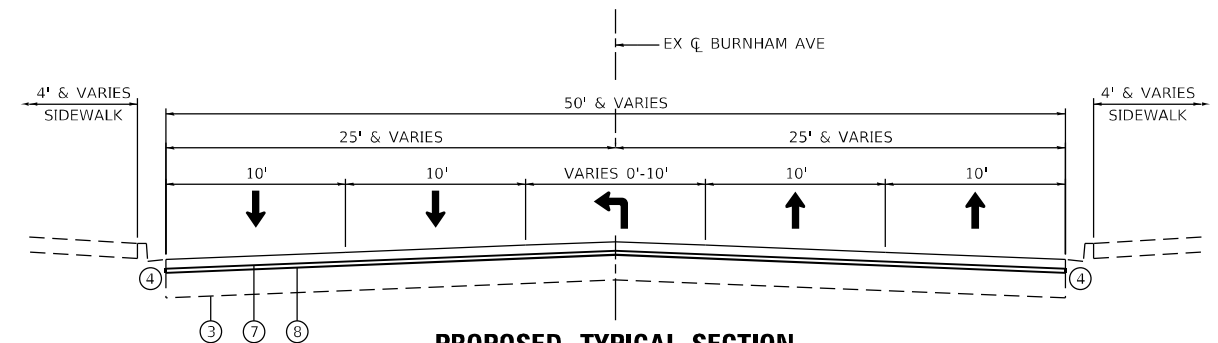
STA 24+56 TO STA 57+70
STA 65+62 TO STA 183+32

OMISSION: STA 108+70 TO STA 145+86



EXISTING TYPICAL SECTION

STA 57+70 TO STA 65+62



PROPOSED TYPICAL SECTION

STA 57+70 TO STA 65+62

HMA MIXTURE REQUIREMENTS CHART

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"	4% @ 70 Gyr. 4% @ 70 Gyr.	QCP QCP
PAVEMENT RESURFACING STA 57+70 TO STA 65+62	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	4% @ 70 Gyr. 3.5% @ 50 Gyr.	QC/QA QC/QA
INCIDENTAL HMA SURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	4% @ 70 Gyr.	QC/QA
TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, TO 1 3/4"	4% @ 70 Gyr.	QC/QA
CLASS D PATCHES	HOT-MIX ASPHALT BINDER, IL-19.0	4% @ 70 Gyr.	QC/QA
HMA REPLACEMENT OVER PATCHES	HOT-MIX ASPHALT BINDER, IL-19.0	4% @ 70 Gyr.	QC/QA
QUALITY MANAGEMENT PROGRAM (QMP) DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) QUALITY CONTROL FOR PERFORMANCE (QCP)			

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1 3/4" - 2 1/4"
- CONCRETE REMOVAL (COST INCLUDED IN HMA SURFACE REMOVAL, VARIABLE DEPTH)
- ① EXISTING ASPHALT SURFACE, VARIES 1 3/4" TO 2 1/4"
- ② EXISTING ASPHALT SURFACE, VARIES 2 1/4" TO 6 3/4"
- ③ EXISTING CONCRETE PAVEMENT, VARIES 7" TO 10 3/4"
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22", AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY HMA BC IL-4.75 N50 AND HMA BC IL-9.5, N70.
4. CONTRACTOR SHALL PATCH TO MEET EXISTING SURFACE BEFORE MILLING.

MODEL: D:\dwg\11... FILE: Burnham_Ave_Resurfacing_01.dwg... 62P16-CADD-Sheets\Burnham_Ave_Resurfacing_01.dwg



USER NAME = dwojtk	DESIGNED - JJD	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 10,6667' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 11/1/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND DETAILS
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	7
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

INTERSECTION	20200100 EARTH EXCAVATION CU YD	21101615 TOPSOIL F&P 4 SQ YD	25200110 SODDING SALT TOLERANT SQ YD	25200200 SUPPLE WATERING UNIT	40800050 INCIDENTAL HMA SURF TON	42001300 PROTECTIVE COAT SQ YD	42400200 PC CONC SIDEWALK 5" SQ FT	42400800 DETECTABLE WARNINGS SQ FT	44000600 SIDEWALK REM SQ FT	44201690 CL D PATCH T1 4 SQ YD	44201692 CL D PATCH T2 4 SQ YD	56109210 WATER VALVES ADJUST EACH	60250200 CATCH BASINS ADJUST EACH	60250400 CB ADJ NEW TIF OL EACH	60255500 MANHOLES TO BE ADJUSTED EACH	60260100 INLETS TO BE ADJUSTED EACH
BURNHAM AVE AND 159TH ST	3	10	10	0.2	3	89	508	85	475	16	0	0	0	0	0	1
BURNHAM AVE AND MICHIGAN CITY RD	11	45	45	0.7	0	127	1039	44	665	8	0	0	0	0	1	0
BURNHAM AVE AND RUTH ST	2	2	2	0.0	5	67	440	25	448	9	0	0	0	0	0	0
BURNHAM AVE AND 158TH ST	3	0	0	0.0	6	97	648	35	678	0	12	1	1	0	0	0
BURNHAM AVE AND CALUMET WAY	2	19	19	0.3	2	66	655	43	603	5	6	0	0	0	0	0
BURNHAM AVE AND WARREN ST	1	4	4	0.1	2	36	236	25	219	5	0	1	0	0	0	0
BURNHAM AVE AND WEBB ST	0	0	0	0.0	0	0	0	20	0	0	0	0	0	0	0	0
BURNHAM AVE AND 157TH ST	6	0	0	0.0	6	164	1109	71	1035	18	0	0	0	0	2	1
BURNHAM AVE AND 156TH PL	3	0	0	0.0	1	35	239	10	262	3	0	0	0	0	0	0
BURNHAM AVE AND 156TH ST	4	2	2	0.0	6	154	1019	77	1165	13	8	0	1	0	0	1
BURNHAM AVE AND 155TH PL	2	19	19	0.3	0	85	579	23	637	5	6	0	0	1	0	0
BURNHAM AVE AND 155TH ST	5	0	0	0.0	1	153	1068	69	1045	12	6	0	0	0	0	0
BURNHAM AVE AND 154TH PL	8	0	0	0.0	1	101	742	26	713	5	6	0	0	0	0	2
BURNHAM AVE AND PULASKI RD	22	3	3	0.0	2	294	2073	97	2107	0	29	0	0	0	0	4
BURNHAM AVE AND 153RD ST	10	3	3	0.0	0.2	132	950	60	942	13	0	0	1	0	0	0
BURNHAM AVE AND MEMORIAL DR	5	0	0	0.0	1	113	762	61	767	7	0	0	0	0	1	0
BURNHAM AVE AND WILSON AVE	15	0	0	0.0	1	198	1428	59	1424	18	9	0	0	0	1	0
BURNHAM AVE AND SIBLEY BLVD	13	28	28	0.4	2	167	1187	57	1193	5	12	0	0	0	0	0
BURNHAM AVE AND HARDING AVE	12	29	29	0.4	0.3	171	1098	78	1076	0	0	0	0	0	0	0
BURNHAM AVE AND 143RD ST	2	12	12	0.2	0	28	198	22	183	3	0	0	0	0	0	0
BURNHAM AVE AND 142ND ST	13	76	76	1.1	0	150	1157	52	1078	8	0	0	0	0	0	0
BURNHAM AVE AND 141ST ST	5	62	62	0.9	0	63	493	20	477	4	0	0	0	0	0	0
BURNHAM AVE AND 140TH ST	5	39	39	0.6	0	53	419	20	401	4	0	0	0	0	0	0
BURNHAM AVE AND CHIPPEWA AVE	7	72	72	1.1	0	77	641	30	626	3	0	0	0	0	0	0
BURNHAM AVE AND CSX RR	2	16	16	0.2	0	18	158	20	158	2	0	0	0	0	0	0
BURNHAM AVE AND NS RR	2	16	16	0.2	0	18	158	20	158	2	0	0	0	0	0	0
BURNHAM AVE AND NICTD RR	2	16	16	0.2	0	18	158	20	158	2	0	0	0	0	0	0
BURNHAM AVE AND BRAINARD AVE	5	41	41	0.6	0	90	397	40	357	0	15	0	0	0	0	3
TOTAL	170	514	514	8.0	40	2764	19557	1209	19050	169	109	2	3	1	5	12

INTERSECTION	60260300 INLETS ADJ NEW TIF OL EACH	60266600 VALVE BOXES TO BE ADJUST EACH	60403700 LIDS T1 OL EACH	60600605 CONC CURB TB FOOT	72400500 RELOC SIN PAN ASSY TA EACH	72400600 RELOC SIN PAN ASSY TB EACH	72400710 RELOC SIGN PANEL T1 SQ FT	72800100 TELES STL SIN SUPPT FOOT	85000200 MAINTAIN EXISTING TRF SIGN INSTALL EACH	89500400 RELOCATE EXISTING PED PUSH BUTTON EACH	89502376 REBUILD EX HANDHOLE EACH	X8140238 REBUILD EX DBL HANDHOLE EACH	Z0004542 HMA REMOVAL SPL SQ YD	COMB C&G REMOV REPL FOOT
BURNHAM AVE AND 159TH ST	1	0	0	0	0	0	0	0	0	0	0	0	20	142
BURNHAM AVE AND MICHIGAN CITY RD	0	0	0	0	0	0	0	0	1	0	0	0	0	72
BURNHAM AVE AND RUTH ST	0	0	0	0	0	0	0	0	0	0	0	0	44	77
BURNHAM AVE AND 158TH ST	0	0	0	0	0	1	0	0	0	0	0	0	42	104
BURNHAM AVE AND CALUMET WAY	0	0	0	0	0	0	0	0	0	0	0	0	12	94
BURNHAM AVE AND WARREN ST	0	0	0	0	0	0	0	0	0	0	0	0	15	39
BURNHAM AVE AND WEBB ST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BURNHAM AVE AND 157TH ST	0	0	0	0	1	1	0	0	0	0	0	0	51	172
BURNHAM AVE AND 156TH PL	0	0	0	0	0	0	0	0	0	0	0	0	10	25
BURNHAM AVE AND 156TH ST	0	0	0	0	0	0	0	1	1	0	0	1	26	169
BURNHAM AVE AND 155TH PL	0	0	1	0	0	0	0	0	0	0	0	0	0	86
BURNHAM AVE AND 155TH ST	1	0	0	0	0	0	0	0	0	1	0	0	9	145
BURNHAM AVE AND 154TH PL	0	1	0	0	0	1	0	9	0	1	0	0	10	93
BURNHAM AVE AND PULASKI RD	0	1	0	0	0	0	0	1	7	4	0	0	16	263
BURNHAM AVE AND 153RD ST	1	0	0	0	0	1	0	9	0	0	0	0	2	114
BURNHAM AVE AND MEMORIAL DR	0	0	0	0	0	0	0	1	3	1	0	0	6	98
BURNHAM AVE AND WILSON AVE	0	1	0	0	0	0	0	0	0	0	0	0	6	148
BURNHAM AVE AND SIBLEY BLVD	0	2	0	0	0	0	0	1	4	0	0	2	11	141
BURNHAM AVE AND HARDING AVE	0	0	0	0	0	0	9	9	0	0	0	0	2	200
BURNHAM AVE AND 143RD ST	0	0	0	0	0	0	0	0	0	0	0	0	0	20
BURNHAM AVE AND 142ND ST	0	0	0	0	0	0	0	1	1	0	0	0	0	64
BURNHAM AVE AND 141ST ST	0	0	0	0	0	0	0	0	0	0	0	0	0	30
BURNHAM AVE AND 140TH ST	0	0	0	20	0	0	0	0	0	0	0	0	0	20
BURNHAM AVE AND CHIPPEWA AVE	0	0	0	0	0	0	0	0	0	0	0	0	0	20
BURNHAM AVE AND CSX RR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BURNHAM AVE AND NS RR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BURNHAM AVE AND NICTD RR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BURNHAM AVE AND BRAINARD AVE	0	0	0	0	0	0	0	1	2	0	0	0	0	128
TOTAL	3	5	1	20	1	4	9	27	7	18	7	3	282	2464

MODEL Schedule 1
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PLOT DATE = 11/12/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

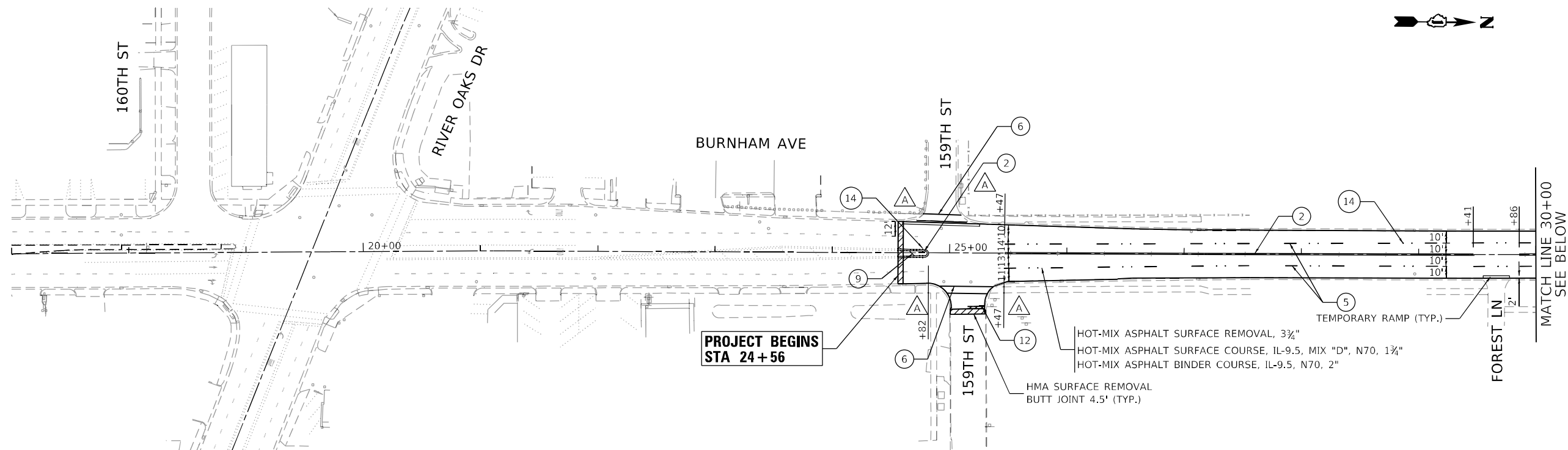
**ADA CURB RAMP SCHEDULE OF QUANTITIES
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	8
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

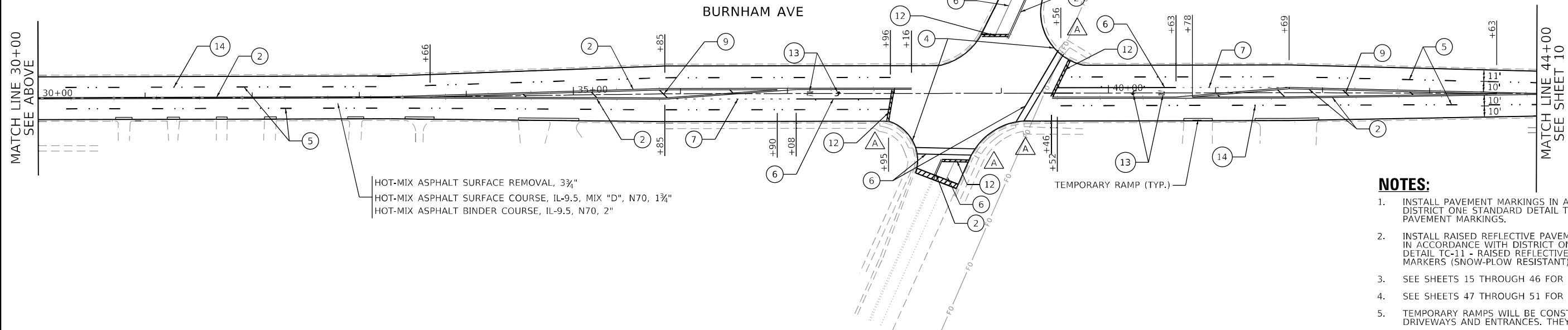
SIDEWALK LEGEND

- A CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- B CURB RAMP IMPROVEMENT, SEE PD-01A
- C CURB RAMP IMPROVEMENT, SEE PD-01B
- D CURB RAMP IMPROVEMENT, SEE PD-01C
- E CURB RAMP IMPROVEMENT, SEE PD-03
- F CURB RAMP IMPROVEMENT, SEE PD-03A
- G CURB RAMP IMPROVEMENT, SEE PD-04
- H CURB RAMP IMPROVEMENT, SEE PD-04A
- I CURB RAMP IMPROVEMENT, SEE PD-05B
- J CURB RAMP IMPROVEMENT, SEE PD-06B
- K REPLACE DETECTABLE WARNINGS ONLY



PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.)
- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10')
- 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING)
- 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- 14 RAISED REFLECTIVE PAVEMENT MARKERS
- 15 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID)
- 16 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C)



- NOTES:**
- INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
 - INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
 - SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
 - SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
 - TEMPORARY RAMPS WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE.

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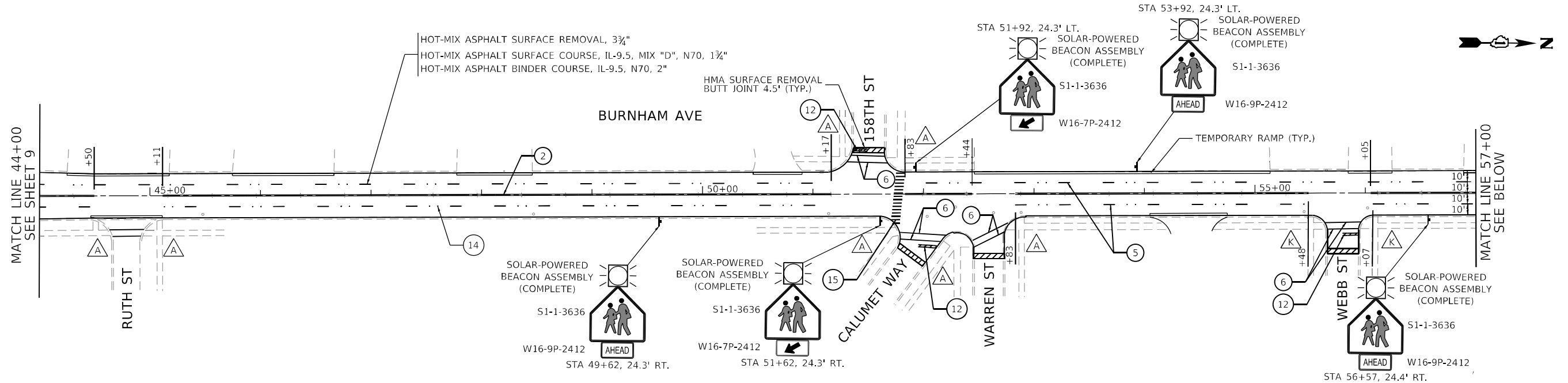
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DRAWN - MA	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 11/12/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

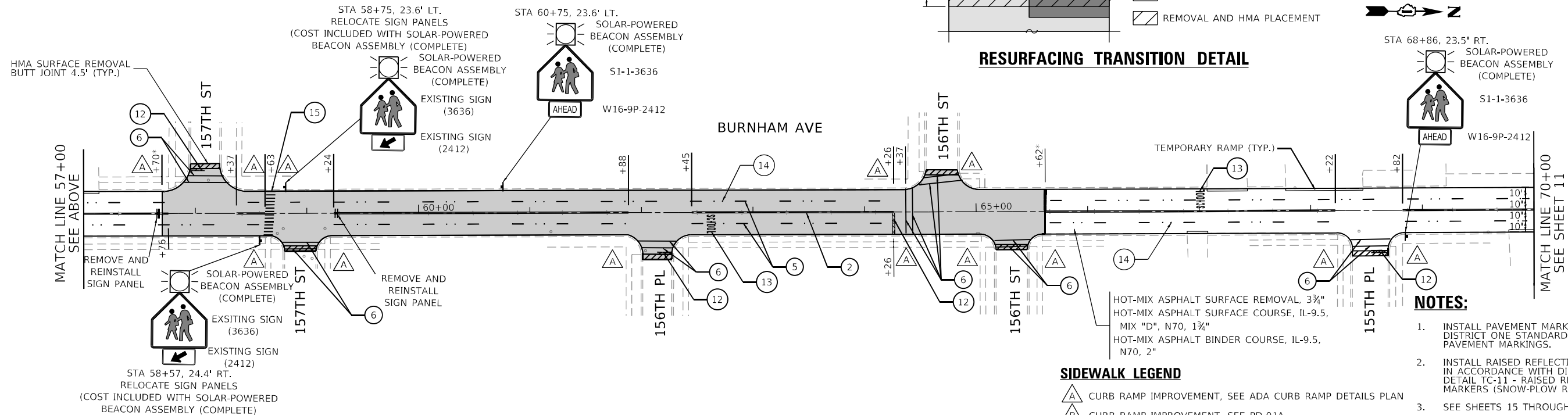
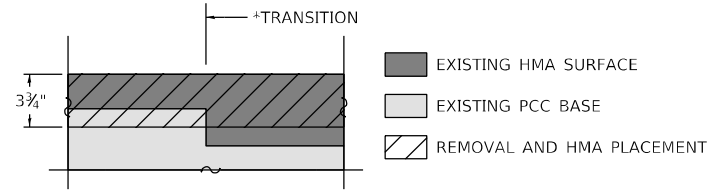
**RESURFACING AND PAVEMENT MARKING PLAN - I
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	9
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				



- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, 1 3/4" - 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



PAVEMENT MARKING LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6" SKIP LINE) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10') ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID) ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE) ⑭ RAISED REFLECTIVE PAVEMENT MARKERS ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID) ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C) |
|---|--|

SIDEWALK LEGEND

- A CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- B CURB RAMP IMPROVEMENT, SEE PD-01A
- C CURB RAMP IMPROVEMENT, SEE PD-01B
- D CURB RAMP IMPROVEMENT, SEE PD-01C
- E CURB RAMP IMPROVEMENT, SEE PD-03
- F CURB RAMP IMPROVEMENT, SEE PD-03A
- G CURB RAMP IMPROVEMENT, SEE PD-04
- H CURB RAMP IMPROVEMENT, SEE PD-04A
- I CURB RAMP IMPROVEMENT, SEE PD-05B
- J CURB RAMP IMPROVEMENT, SEE PD-06B
- K REPLACE DETECTABLE WARNINGS ONLY

NOTES:

1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
2. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT).
3. SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
4. SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
5. THE HOT-MIX ASPHALT SURFACE FOR THE SHADED SEGMENT IS SHALLOW WITH CONCRETE PAVEMENT BENEATH. THE SURFACE REMOVAL WILL INVOLVE +/- 1" OF CONCRETE REMOVAL WITHIN THESE LIMITS. THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.
6. IN THE SHADED SEGMENT, CONTRACTOR MUST TACK COAT SURFACE DIRECTLY AFTER CONCRETE REMOVAL IS COMPLETE.
7. TEMPORARY RAMPS WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE. TEMPORARY RAMPS ARE NOT REQUIRED WITHIN SHADED AREA.

MODEL: D:\dwg\11\2021\08\622P16\RESURFACING\622P16-RESURFACING-PLAN-2.dwg



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PLOT SCALE = 100,0000' / in.	DRAWN - MA	REVISED -
PLOT DATE = 11/12/2021	CHECKED - JJD	REVISED -
	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

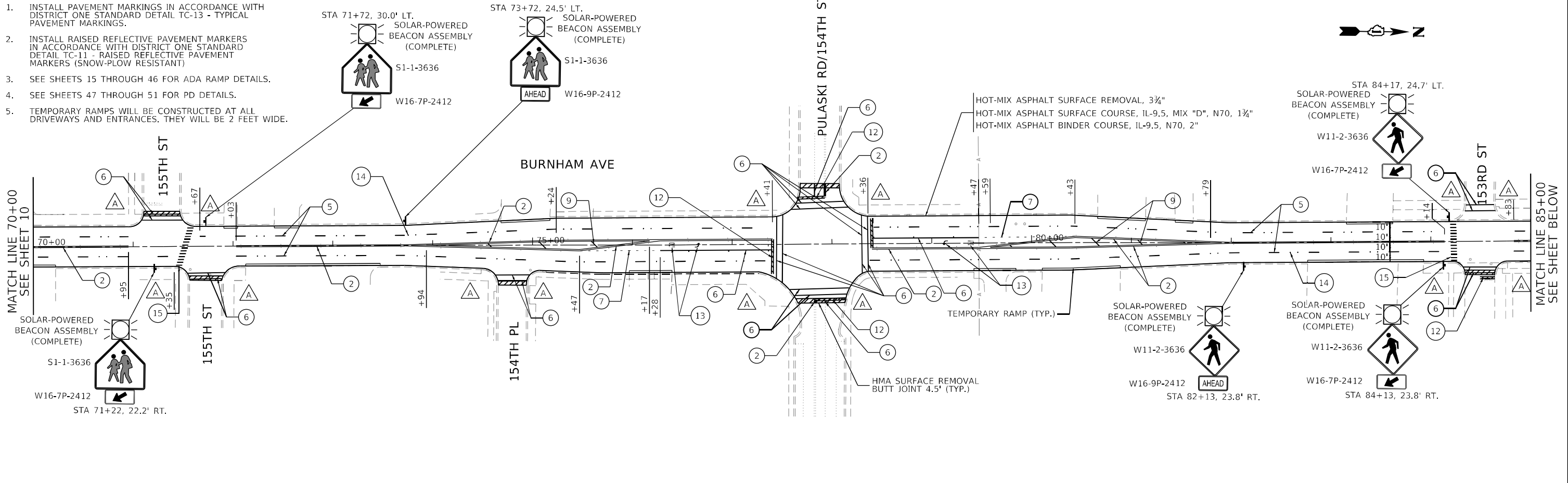
**RESURFACING AND PAVEMENT MARKING PLAN - II
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	10
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				

NOTES:

1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
2. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
3. SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
4. SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
5. TEMPORARY RAMPS WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE.

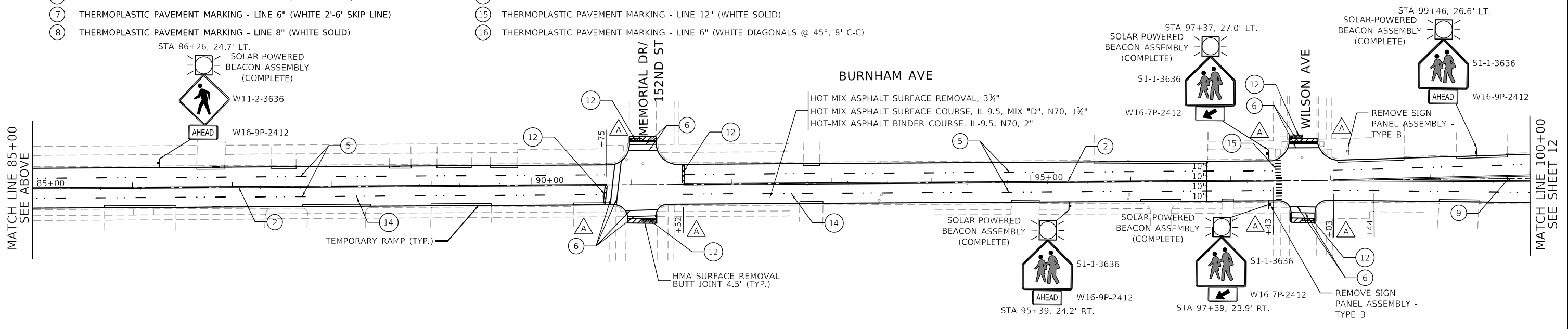


PAVEMENT MARKING LEGEND

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID) | ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.) |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE) | ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10') |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP) | ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID) | ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID) |
| ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE) | ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE) |
| ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID) | ⑭ RAISED REFLECTIVE PAVEMENT MARKERS |
| ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE) | ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID) |
| ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID) | ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C) |

SIDEWALK LEGEND

- | | |
|---|-------------------------------------|
| △ CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN | △ CURB RAMP IMPROVEMENT, SEE PD-03A |
| △ CURB RAMP IMPROVEMENT, SEE PD-01A | △ CURB RAMP IMPROVEMENT, SEE PD-04 |
| △ CURB RAMP IMPROVEMENT, SEE PD-01B | △ CURB RAMP IMPROVEMENT, SEE PD-04A |
| △ CURB RAMP IMPROVEMENT, SEE PD-01C | △ CURB RAMP IMPROVEMENT, SEE PD-05B |
| △ CURB RAMP IMPROVEMENT, SEE PD-03 | △ CURB RAMP IMPROVEMENT, SEE PD-06B |
| | △ REPLACE DETECTABLE WARNINGS ONLY |



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USER NAME = jent	DESIGNED - MA	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MA	REVISED -
PLOT DATE = 11/12/2021	CHECKED - JJD	REVISED -
	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

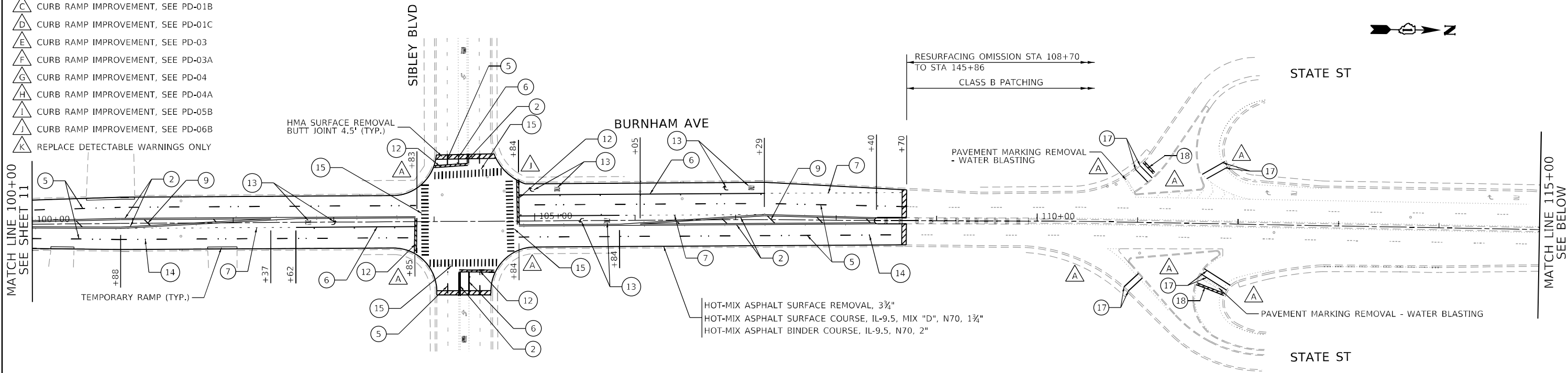
**RESURFACING AND PAVEMENT MARKING PLAN - III
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 2943	SECTION 2021-079-R5&SW	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 11
CONTRACT NO. 62P16			ILLINOIS FED. AID PROJECT F29U(690)	

SIDEWALK LEGEND

- A CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- B CURB RAMP IMPROVEMENT, SEE PD-01A
- C CURB RAMP IMPROVEMENT, SEE PD-01B
- D CURB RAMP IMPROVEMENT, SEE PD-01C
- E CURB RAMP IMPROVEMENT, SEE PD-03
- F CURB RAMP IMPROVEMENT, SEE PD-03A
- G CURB RAMP IMPROVEMENT, SEE PD-04
- H CURB RAMP IMPROVEMENT, SEE PD-04A
- I CURB RAMP IMPROVEMENT, SEE PD-05B
- J CURB RAMP IMPROVEMENT, SEE PD-06B
- K REPLACE DETECTABLE WARNINGS ONLY

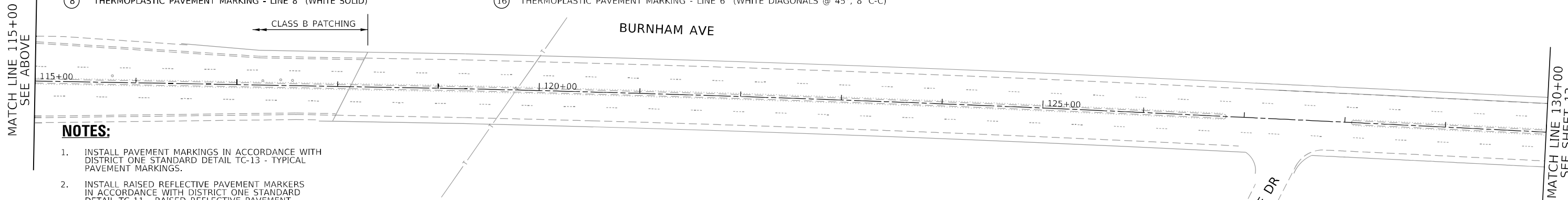


PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6" SKIP LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.)
- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10')
- 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING)
- 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- 14 RAISED REFLECTIVE PAVEMENT MARKERS
- 15 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID)
- 16 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C)
- 17 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- 18 MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (WHITE SOLID)

NOTES:

1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
2. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
3. THE CONTRACTOR SHALL REPLACE IN-KIND ALL PAVEMENT MARKINGS (MODIFIED URETHANE) AND RAISE REFLECTIVE PAVEMENT MARKERS WITHIN LIMITS OF CLASS B PATCHING. COST INCLUDED IN CLASS B PATCHING.
4. SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
5. SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
6. TEMPORARY RAMPS WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE.



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USER NAME = jent	DESIGNED - MA	REVISED -
	DRAWN - MA	REVISED -
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PLOT DATE = 11/12/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

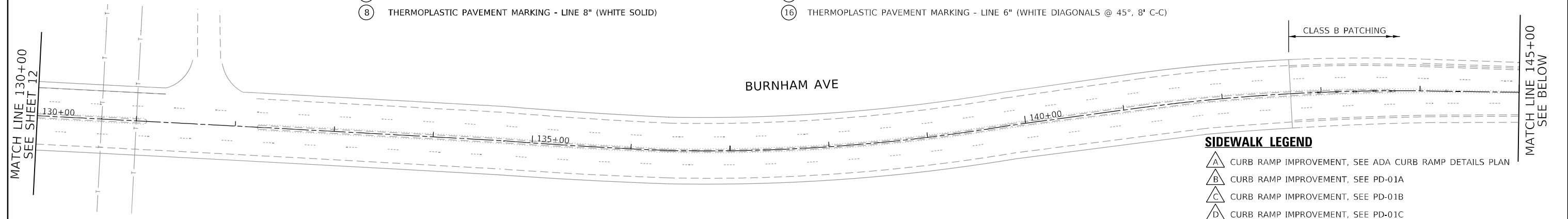
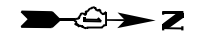
**RESURFACING AND PAVEMENT MARKING PLAN - IV
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 2943	SECTION 2021-079-R5&SW	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 12
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				

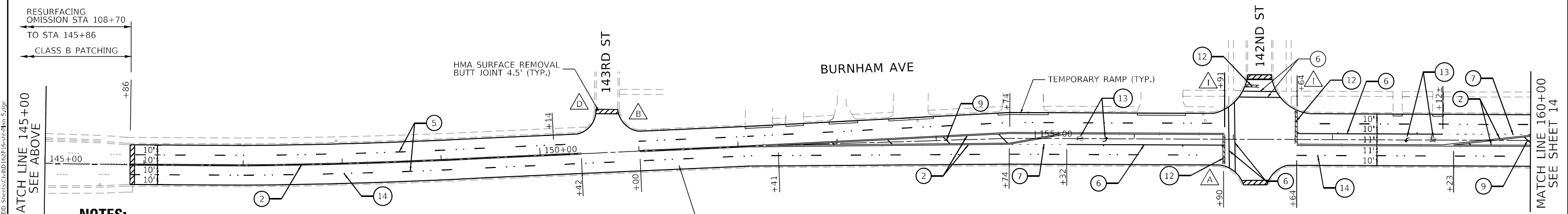
PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30' SKIP)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10')
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKERS
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID)
- ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C)



SIDEWALK LEGEND

- △ A CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- △ B CURB RAMP IMPROVEMENT, SEE PD-01A
- △ C CURB RAMP IMPROVEMENT, SEE PD-01B
- △ D CURB RAMP IMPROVEMENT, SEE PD-01C
- △ E CURB RAMP IMPROVEMENT, SEE PD-03
- △ F CURB RAMP IMPROVEMENT, SEE PD-03A
- △ G CURB RAMP IMPROVEMENT, SEE PD-04
- △ H CURB RAMP IMPROVEMENT, SEE PD-04A
- △ I CURB RAMP IMPROVEMENT, SEE PD-05B
- △ J CURB RAMP IMPROVEMENT, SEE PD-06B
- △ K REPLACE DETECTABLE WARNINGS ONLY



NOTES:

1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
2. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
3. THE CONTRACTOR SHALL REPLACE IN-KIND ALL PAVEMENT MARKINGS (MODIFIED URETHANE) AND RAISE REFLECTIVE PAVEMENT MARKERS WITHIN LIMITS OF CLASS B PATCHING. COST INCLUDED IN CLASS B PATCHING.
4. SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
5. SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
6. TEMPORARY RAMPS WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE.

HOT-MIX ASPHALT SURFACE REMOVAL, 3¾"
 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1¾"
 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"

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 MODEL: D:\p16\...
 FILE: M:\E...



USER NAME = jent	DESIGNED - MA	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

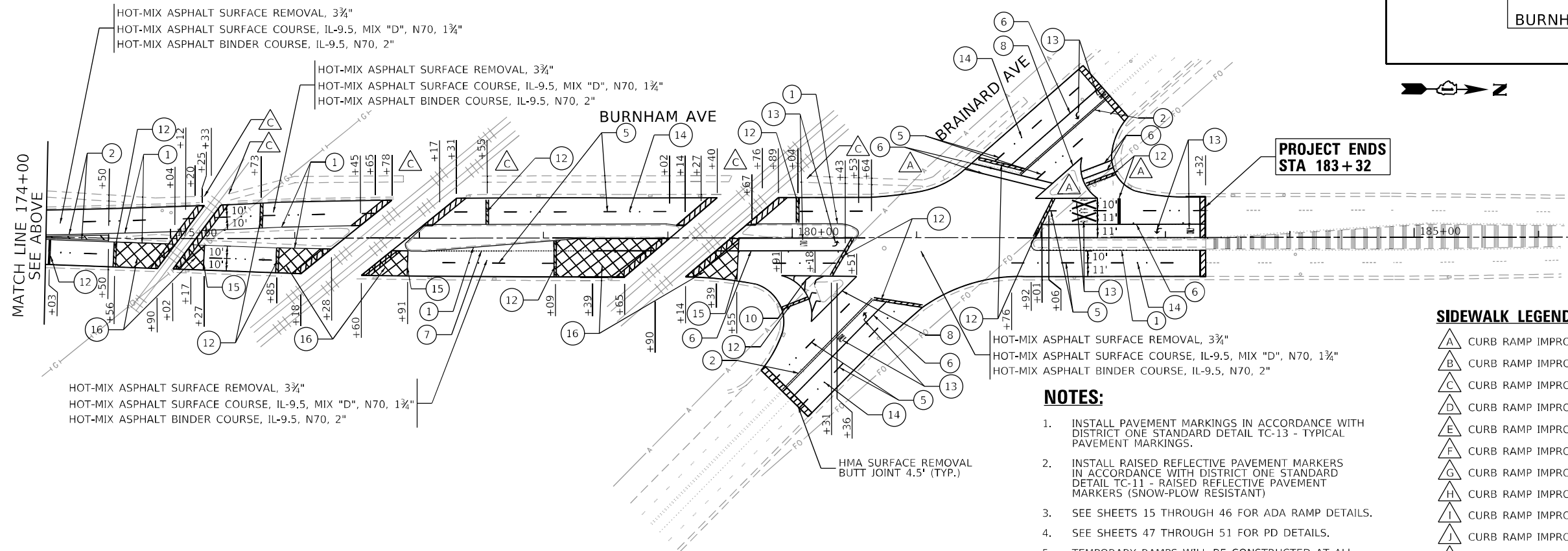
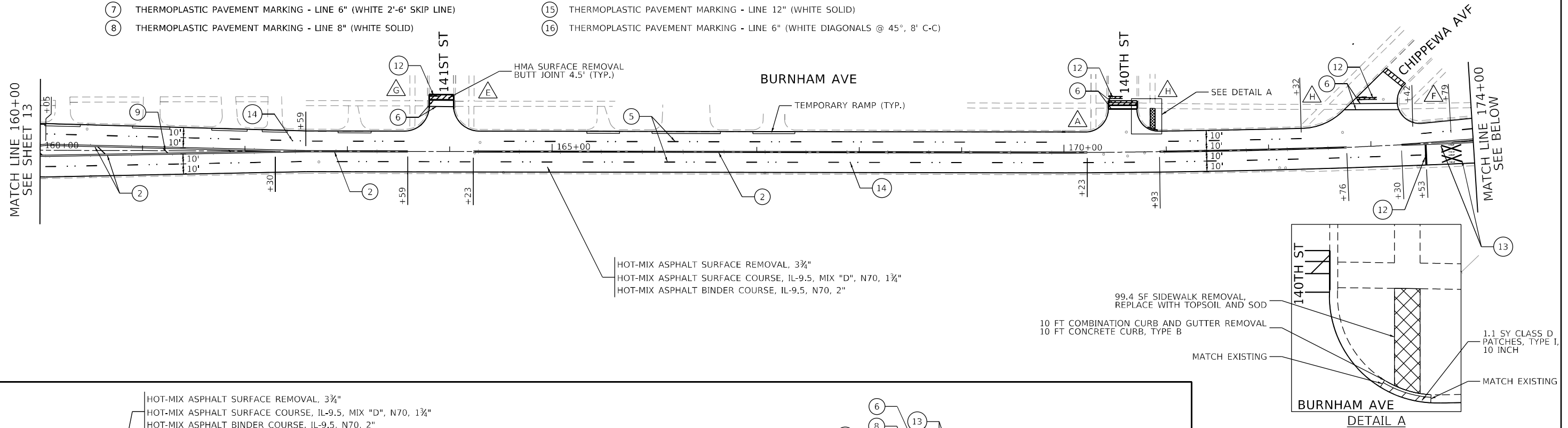
**RESURFACING AND PAVEMENT MARKING PLAN - V
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	13
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE CENTERLINE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW 10'-30" SKIP)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30" SKIP LINE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
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- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS @ 45°, 75' SPACING UNLESS NOTED, 5 MIN.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRON @ 45°, 10')
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 45°, 10' SPACING)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKERS
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID)
- ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DIAGONALS @ 45°, 8' C-C)



SIDEWALK LEGEND

- △ A CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- △ B CURB RAMP IMPROVEMENT, SEE PD-01A
- △ C CURB RAMP IMPROVEMENT, SEE PD-01B
- △ D CURB RAMP IMPROVEMENT, SEE PD-01C
- △ E CURB RAMP IMPROVEMENT, SEE PD-03
- △ F CURB RAMP IMPROVEMENT, SEE PD-03A
- △ G CURB RAMP IMPROVEMENT, SEE PD-04
- △ H CURB RAMP IMPROVEMENT, SEE PD-04A
- △ I CURB RAMP IMPROVEMENT, SEE PD-05B
- △ J CURB RAMP IMPROVEMENT, SEE PD-06B
- △ K REPLACE DETECTABLE WARNINGS ONLY

NOTES:

1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-13 - TYPICAL PAVEMENT MARKINGS.
2. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE STANDARD DETAIL TC-11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
3. SEE SHEETS 15 THROUGH 46 FOR ADA RAMP DETAILS.
4. SEE SHEETS 47 THROUGH 51 FOR PD DETAILS.
5. TEMPORARY RAMP WILL BE CONSTRUCTED AT ALL DRIVEWAYS AND ENTRANCES. THEY WILL BE 2 FEET WIDE.

MODEL: D:\proj\16..._62P16\CAD\DWG\DOT DIR\16..._62P16\CADD\CADD_Sheets\Civil\16217\6216-Plan.dwg



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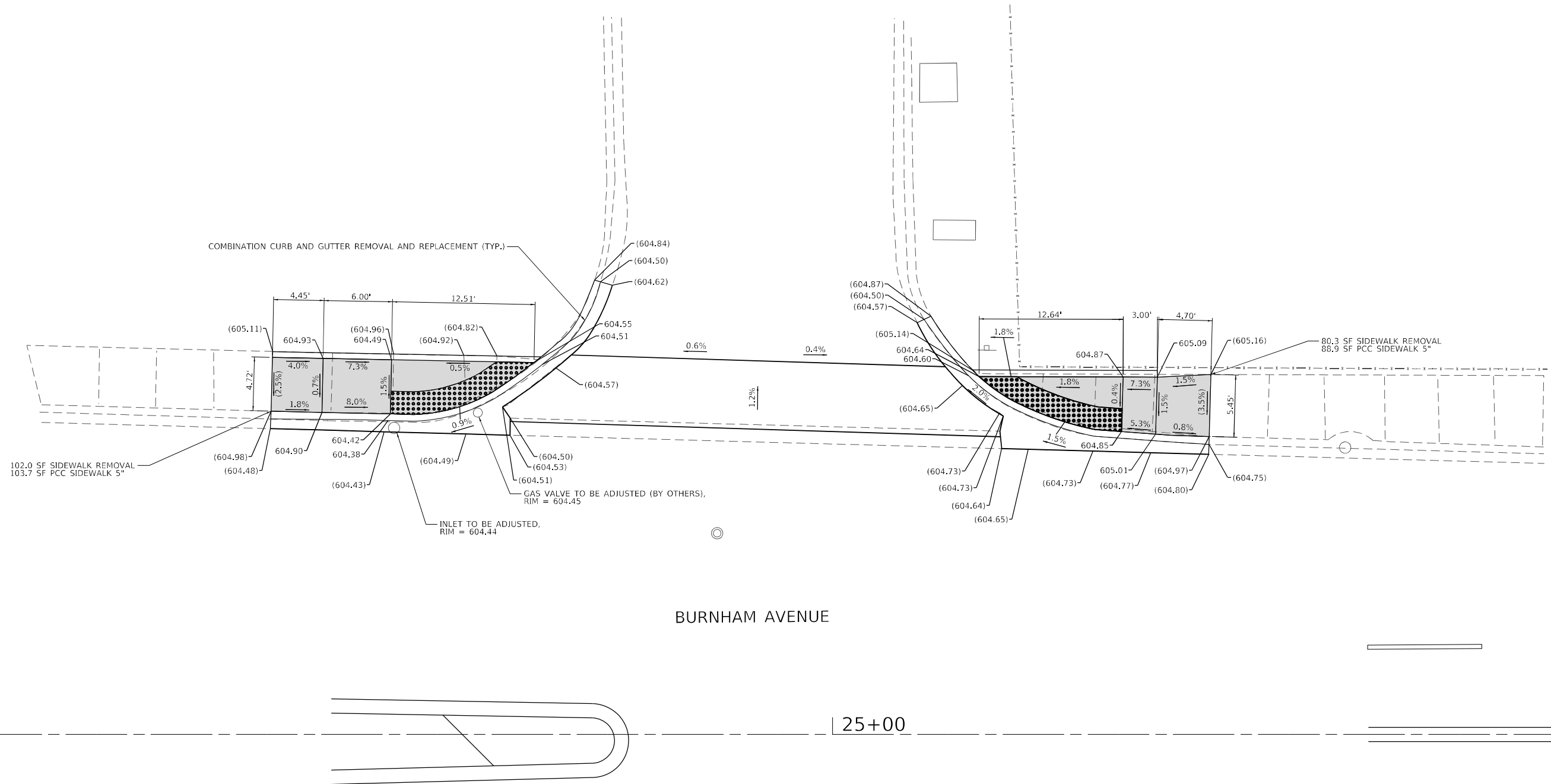
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RESURFACING AND PAVEMENT MARKING PLAN - VI
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 50' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	14
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				

159TH STREET



BURNHAM AVENUE

25+00

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM N
 CHISELED "X" ON TOP OF SE BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 159TH ST
 ELEVATION 606.433
 NORTHING 1798178.801
 EASTING 1201426.117

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – 159TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	15
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

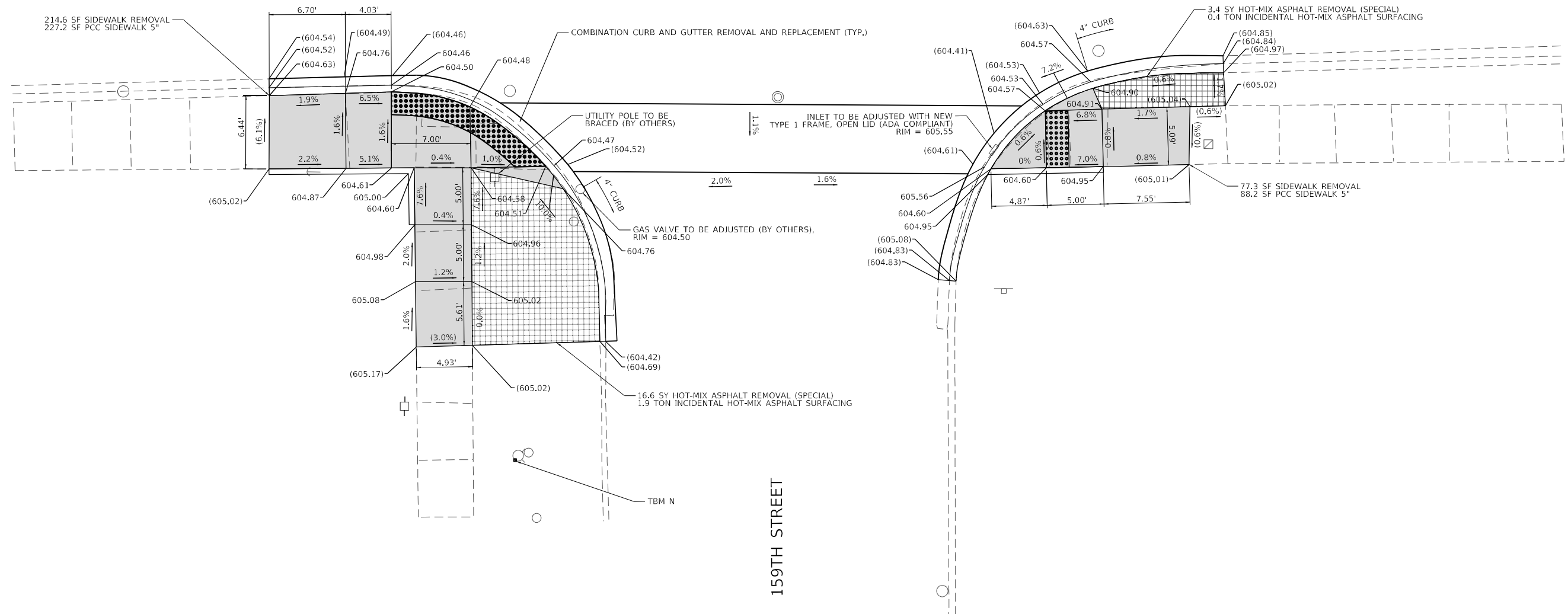
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PLOT DATE = 10/08/2021		



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BURNHAM AVENUE

25+00



LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM N
 CHISELED "X" ON TOP OF SE BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 159TH ST
 ELEVATION 606.433
 NORTHING 1798178.801
 EASTING 1201426.117

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – 159TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

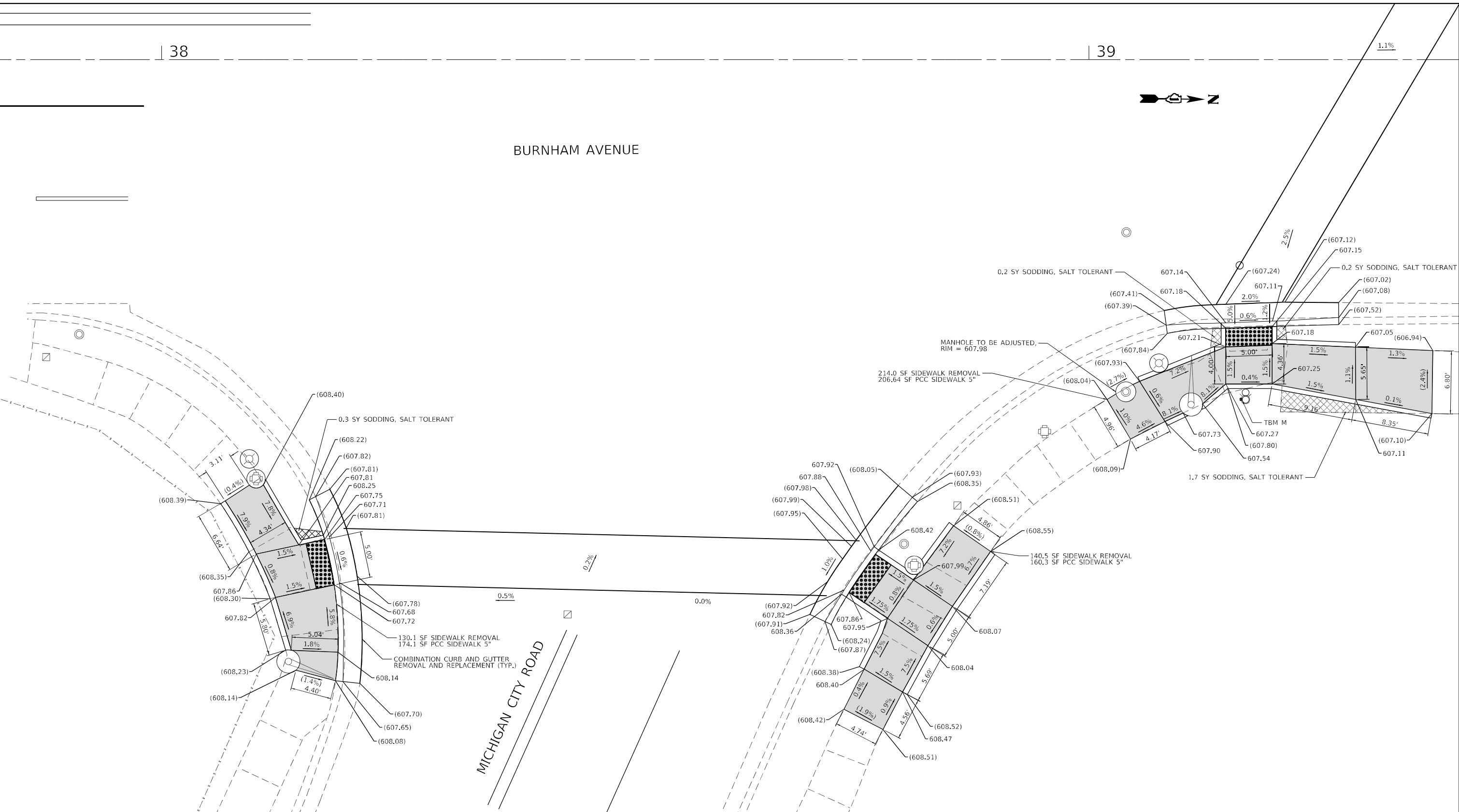
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2943	2021-079-R5&SW	COOK	72	16
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 10/08/2021		

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BURNHAM AVENUE



TBM M
 CHISELED "X" ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE. AND MICHIGAN CITY RD
 ELEVATION 608.548
 NORTHING 1799603.336
 EASTING 1201387.013

LEGEND

- EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

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 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0500
 www.bowman.com

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	DATE - 10/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

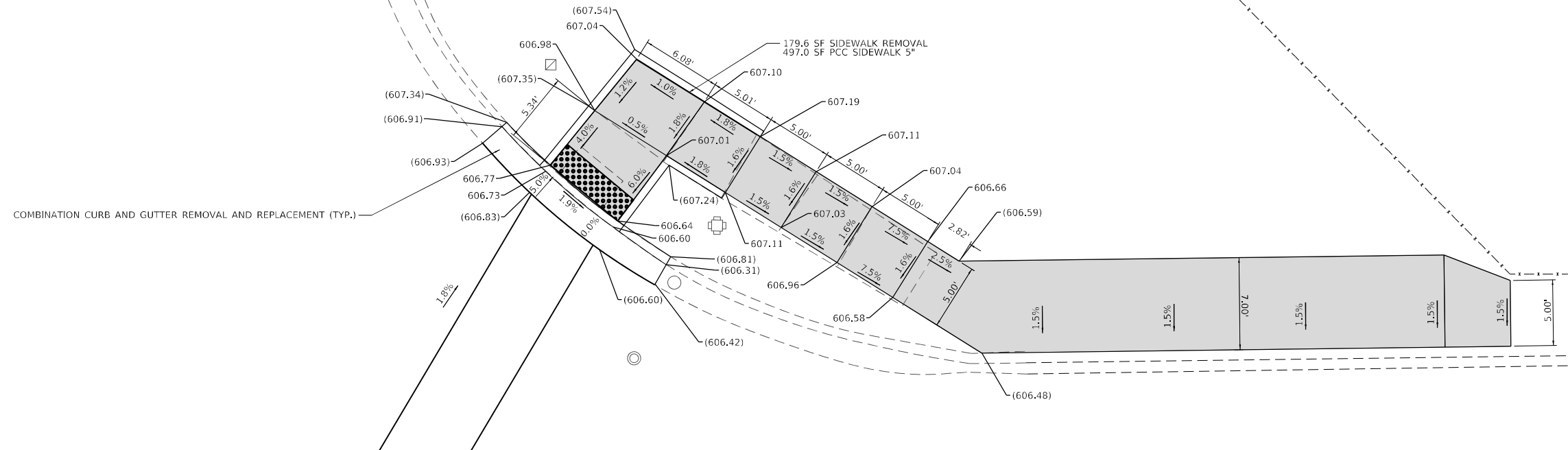
**ADA CURB RAMP DETAILS – MICHIGAN CITY RD
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 3 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	17
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				



MICHIGAN CITY ROAD



BURNHAM AVENUE

39

40+00

TBM M
 CHISELED "X" ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND MICHIGAN CITY RD
 ELEVATION 608.548
 NORTHING 1799603.336
 EASTING 1201387.013

LEGEND

EXISTING LENGTH	DETECTABLE WARNINGS	SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
EXISTING ELEVATION/SLOPE	PROPOSED SIDEWALK	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
PROPOSED SIDE CURB	SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING	

USER NAME = k/maus	DESIGNED - KMM	REVISED -
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PLOT DATE = 10/08/2021		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - MICHIGAN CITY RD
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 4 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	18
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

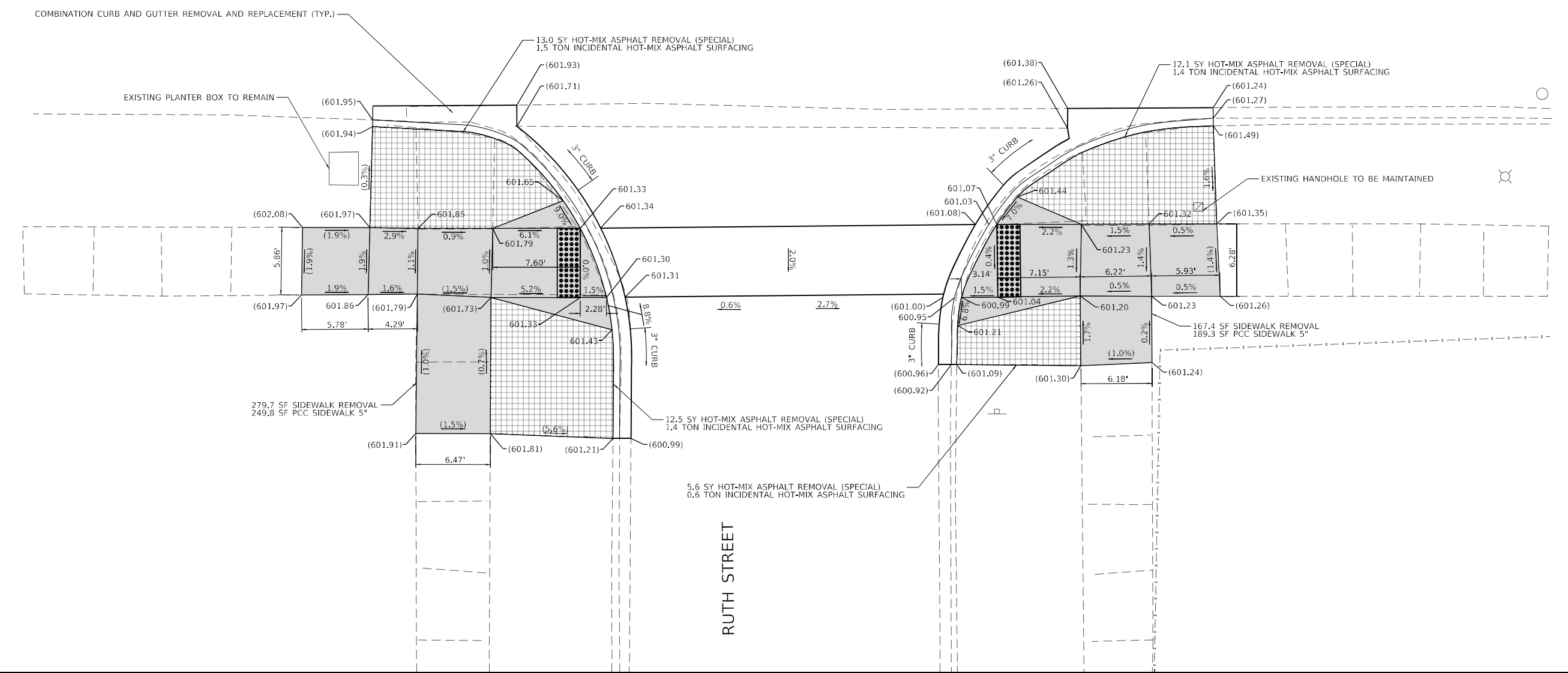
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45+00

BURNHAM AVENUE



RUTH STREET

TBM M
 CHISELED "X" ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND MICHIGAN CITY RD
 ELEVATION 608.548
 NORTHING 1799603.336
 EASTING 1201387.013

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - RUTH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	19
CONTRACT NO. 62P16				

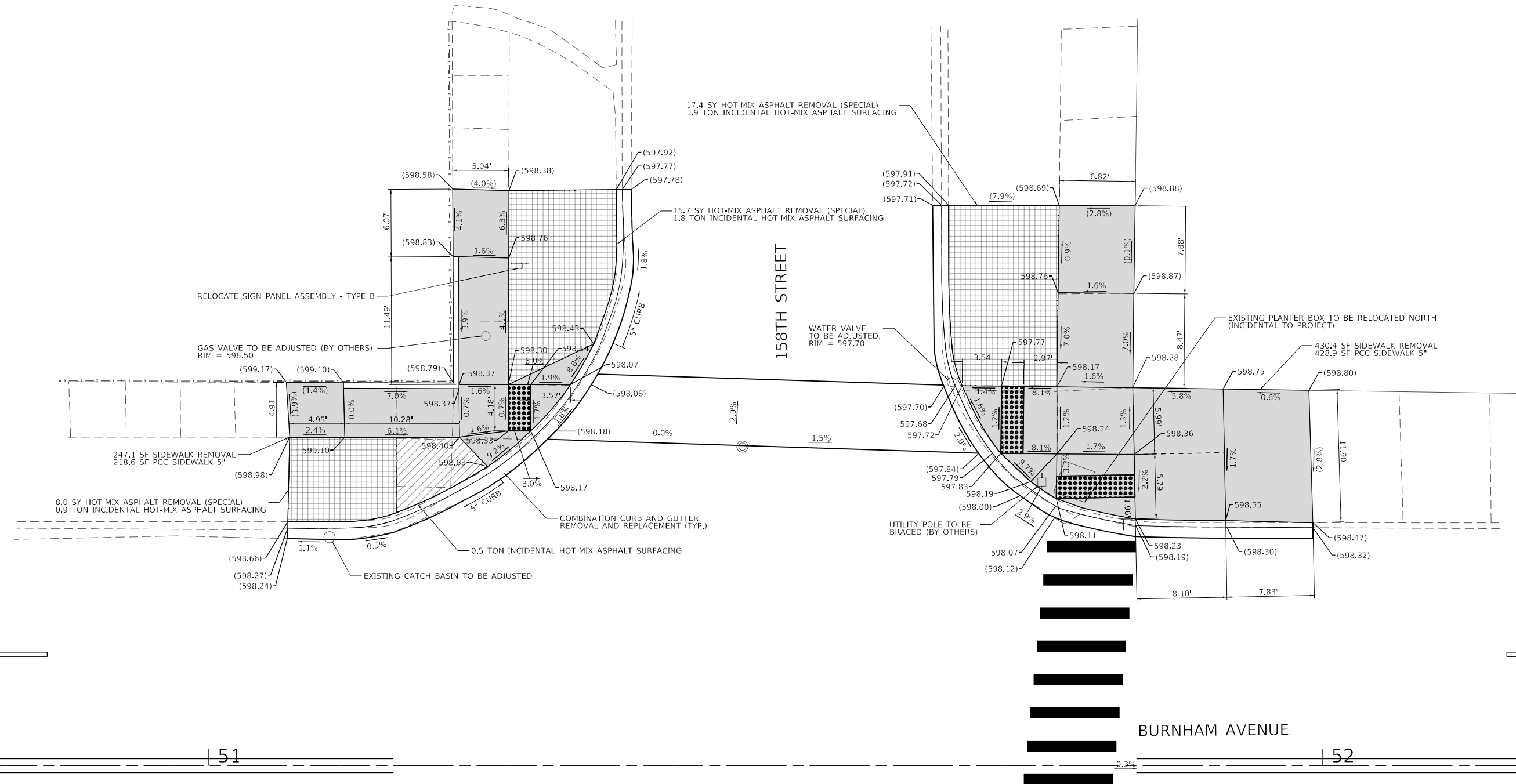


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	DATE - 10/08/2021	REVISED -

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SCALE: 1" = 5' SHEET 5 OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM L
 CHISELED "X" ON TOP OF NE BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND WARREN ST
 ELEVATION 599.668
 NORTHING 1800969.748
 EASTING 1201395.457

USER NAME = k/maus	DESIGNED - KMM	REVISED -
DRAWN - KMM	REVISOR -	
PLOT SCALE = 10,0000' / in.	CHECKED - EIG	REVISOR -
PLOT DATE = 10/08/2021	DATE - 10/08/2021	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 158TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 6 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	20
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

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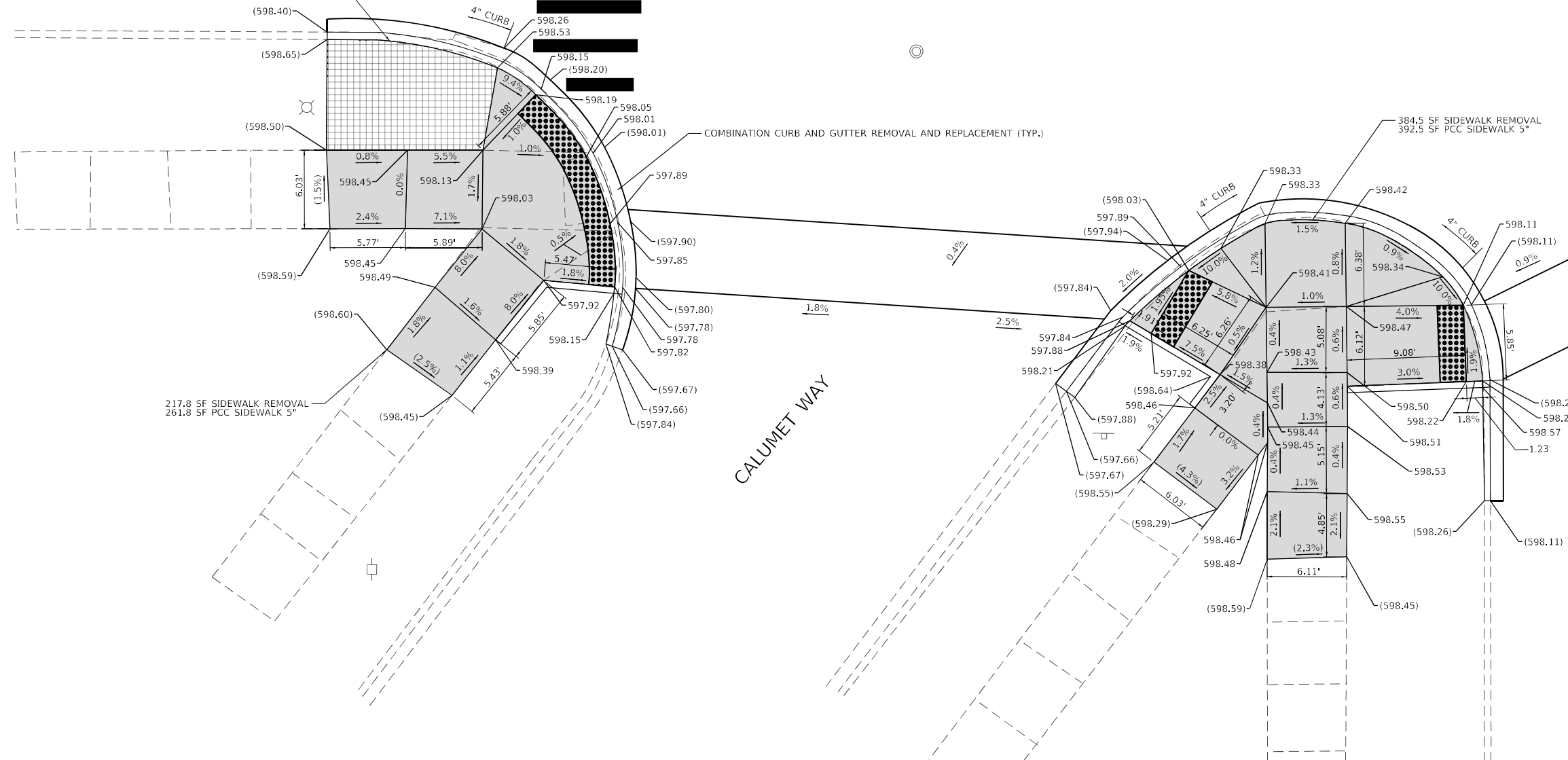


BURNHAM AVENUE

52



11.1 SY HOT-MIX ASPHALT REMOVAL (SPECIAL)
1.2 TON INCIDENTAL HOT-MIX ASPHALT SURFACING



217.8 SF SIDEWALK REMOVAL
261.8 SF PCC SIDEWALK 5"

384.5 SF SIDEWALK REMOVAL
392.5 SF PCC SIDEWALK 5"

LEGEND

XX.X' EXISTING LENGTH

() EXISTING ELEVATION/SLOPE

— PROPOSED SIDE CURB

DETECTABLE WARNINGS

PROPOSED SIDEWALK

SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD

HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM L

CHISELED "X" ON TOP OF NE BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND WARREN ST

ELEVATION 599.668

NORTHING 1800969.748

EASTING 1201395.457

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – CALUMET WAY
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 7 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	21
CONTRACT NO. 62P16				

ILLINOIS FED. AID PROJECT

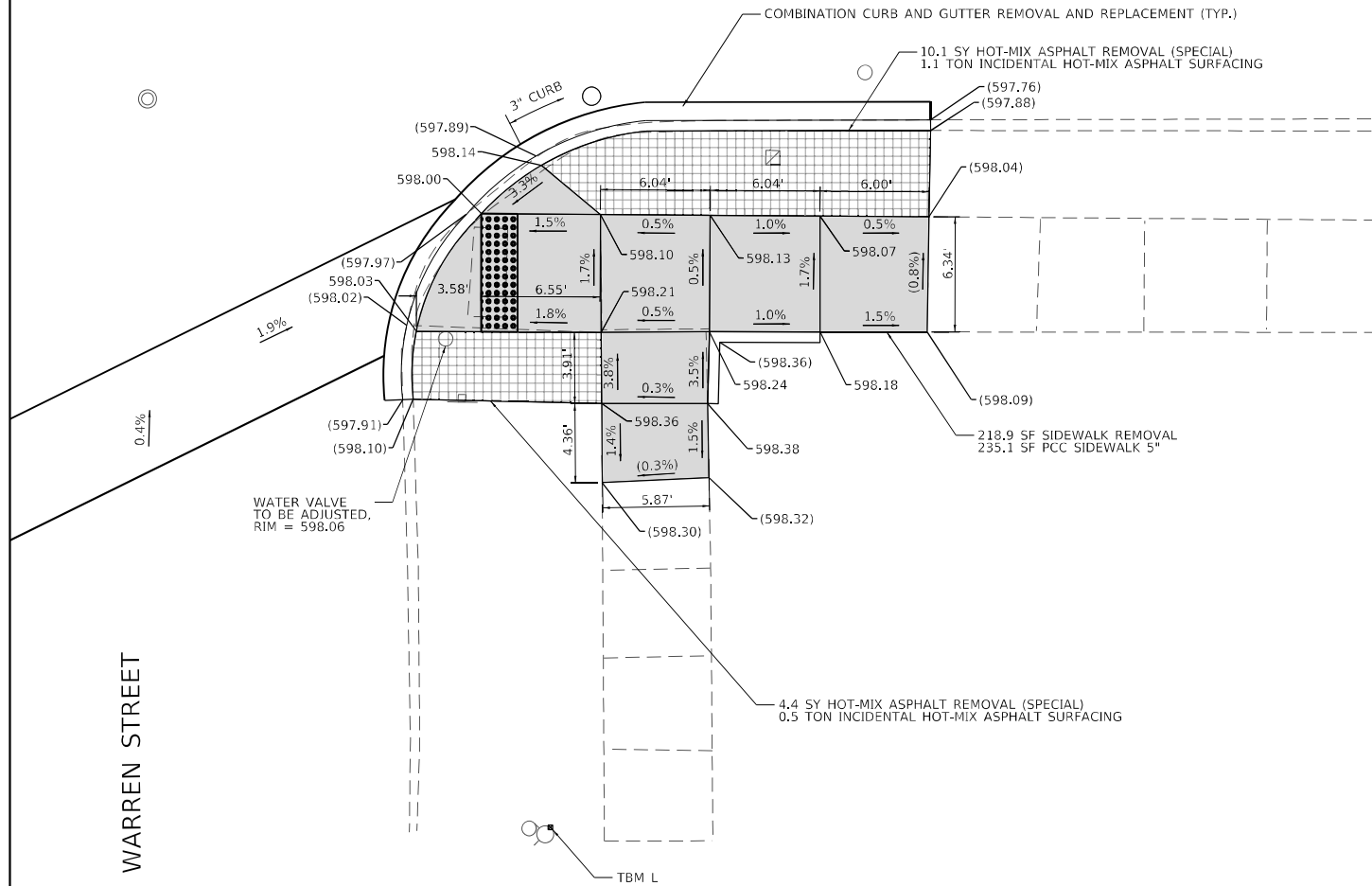
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Bowman
311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-414-0500
www.bowman.com

USER NAME = k/maus	DESIGNED - KMM	REVISED -
DRAWN - KMM	REVISIONS -	
PLOT SCALE = 10,0000 * / in.	CHECKED - EIG	REVISIONS -
PLOT DATE = 10/08/2021	DATE - 10/08/2021	REVISIONS -

BURNHAM AVENUE

53



WARREN STREET

TBM L
 CHISELED "X" ON TOP OF NE BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND WARREN ST
 ELEVATION 599.668
 NORTHING 1800969.748
 EASTING 1201395.457

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

MODEL: Default
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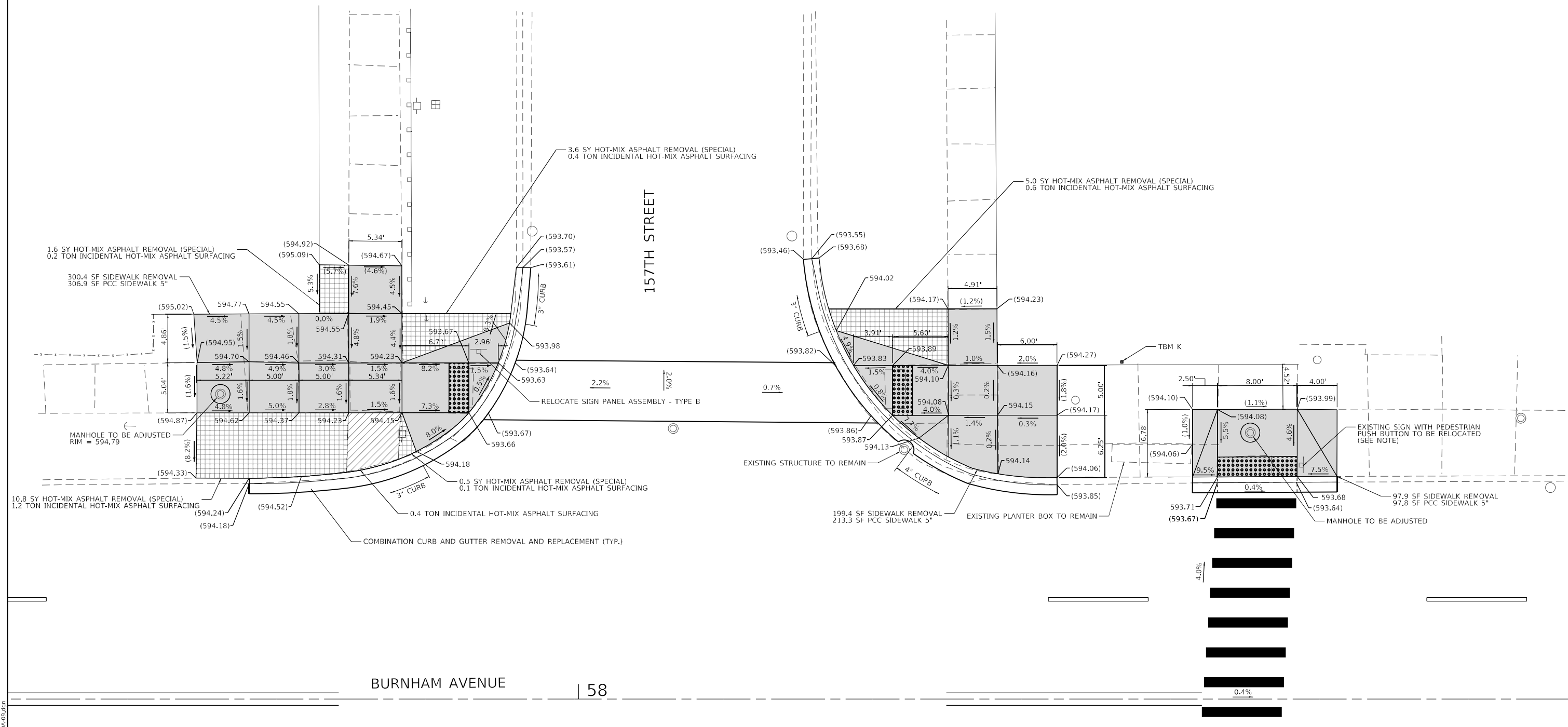
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PLOT DATE = 10/08/2021	CHECKED - EIG	REVISED -
	DATE - 10/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - WARREN ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 8 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	22
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				



TBM K
 CUT SQUARE ON TOP OF WINDOW SILL OF 1 STORY BRICK BUILDING AT NW CORNER OF BURNHAM AVE AND 157TH ST
 ELEVATION 595.418
 NORTHING 1801536.060
 EASTING 1201294.228

LEGEND

XX.X'	EXISTING LENGTH		DETECTABLE WARNINGS		SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
()	EXISTING ELEVATION/SLOPE		PROPOSED SIDEWALK		HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
	PROPOSED SIDE CURB		SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING		

NOTE:
 SEE RESURFACING AND PAVEMENT MARKING PLANS FOR PEDESTRIAN CROSSING SIGNS.

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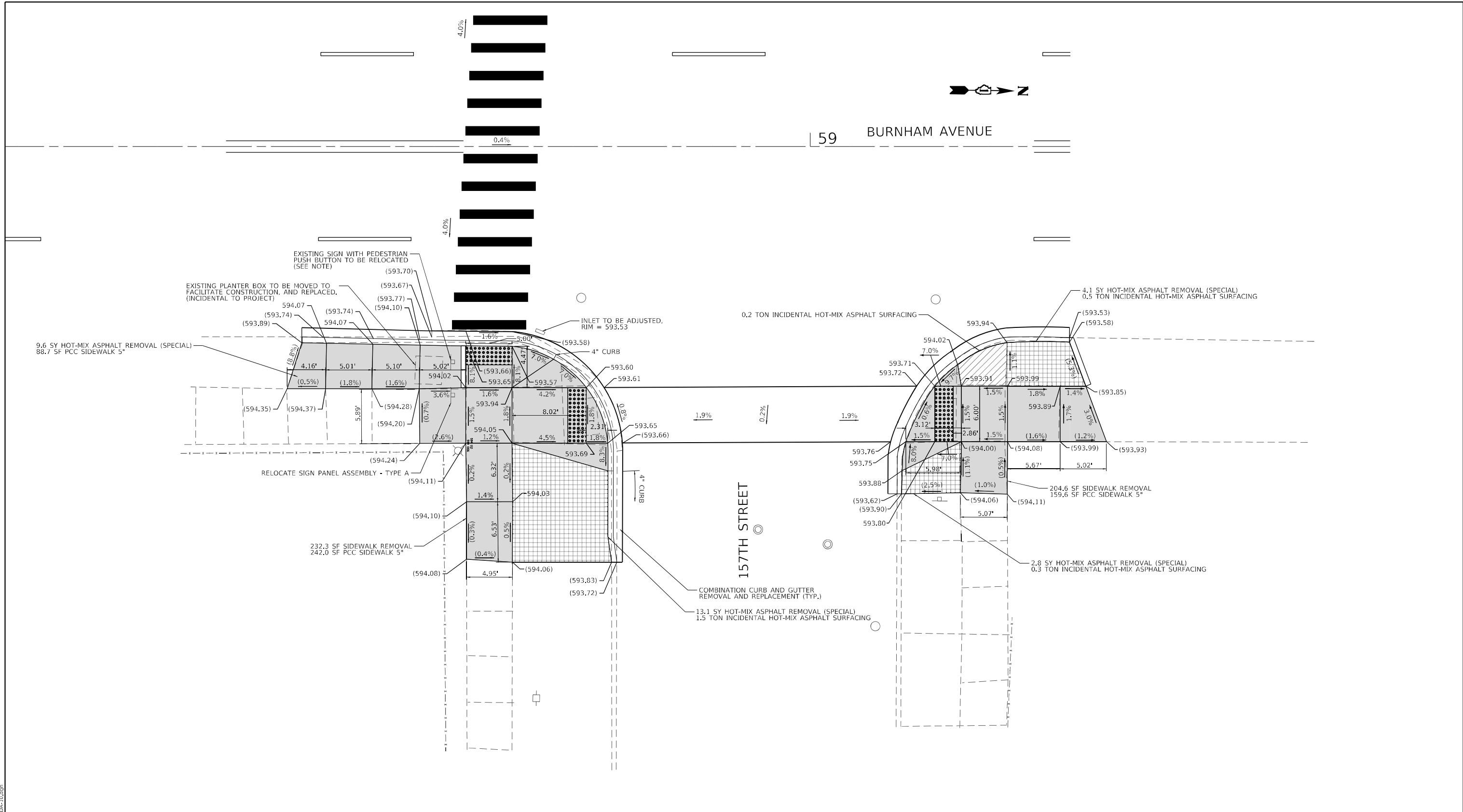
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PLOT DATE = 10/08/2021	DATE - 10/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 157TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 9 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	23
CONTRACT NO. 62P16				
ILLINOIS		FED. AID PROJECT		



TBM K
 CUT SQUARE ON TOP OF WINDOW SILL OF 1 STORY BRICK BUILDING AT NW CORNER OF BURNHAM AVE AND 157TH ST
 ELEVATION 595.418
 NORTHING 1801536.060
 EASTING 1201294.228

LEGEND

XX.X'	EXISTING LENGTH		DETECTABLE WARNINGS		SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
()	EXISTING ELEVATION/SLOPE		PROPOSED SIDEWALK		HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
---	PROPOSED SIDE CURB		SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING		

NOTE:
 SEE RESURFACING AND PAVEMENT MARKING PLANS FOR PEDESTRIAN CROSSING SIGNS.



USER NAME = k/maus	DESIGNED - KMM	REVISED -
DRAWN - KMM	CHECKED - EIG	REVISED -
PLOT SCALE = 10,0000' +/-	DATE - 10/08/2021	REVISED -
PLOT DATE = 10/08/2021		

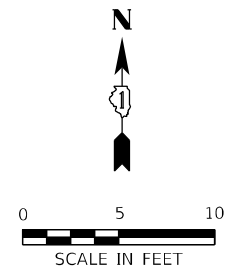
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 157TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

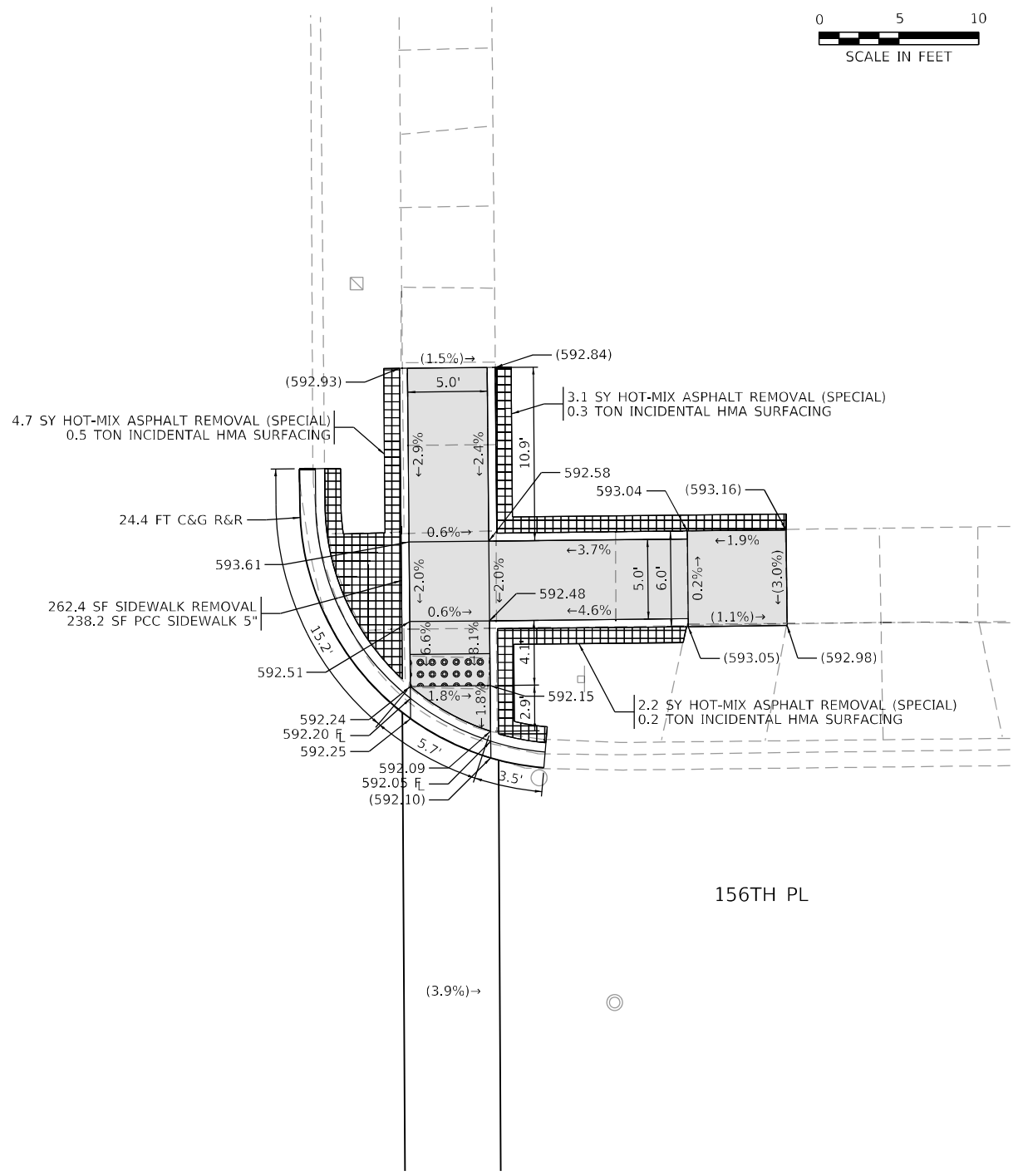
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	24
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

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BURNHAM AVE



156TH PL

TBM A
 TOP OF NE BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 156TH PL
 ELEVATION 594.32
 NORTHING 1801881.816
 EASTING 1201370.067

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING



USER NAME = jschumann	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
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PLOT DATE = 10/26/2021	DATE - 10-08-2021	REVISED -

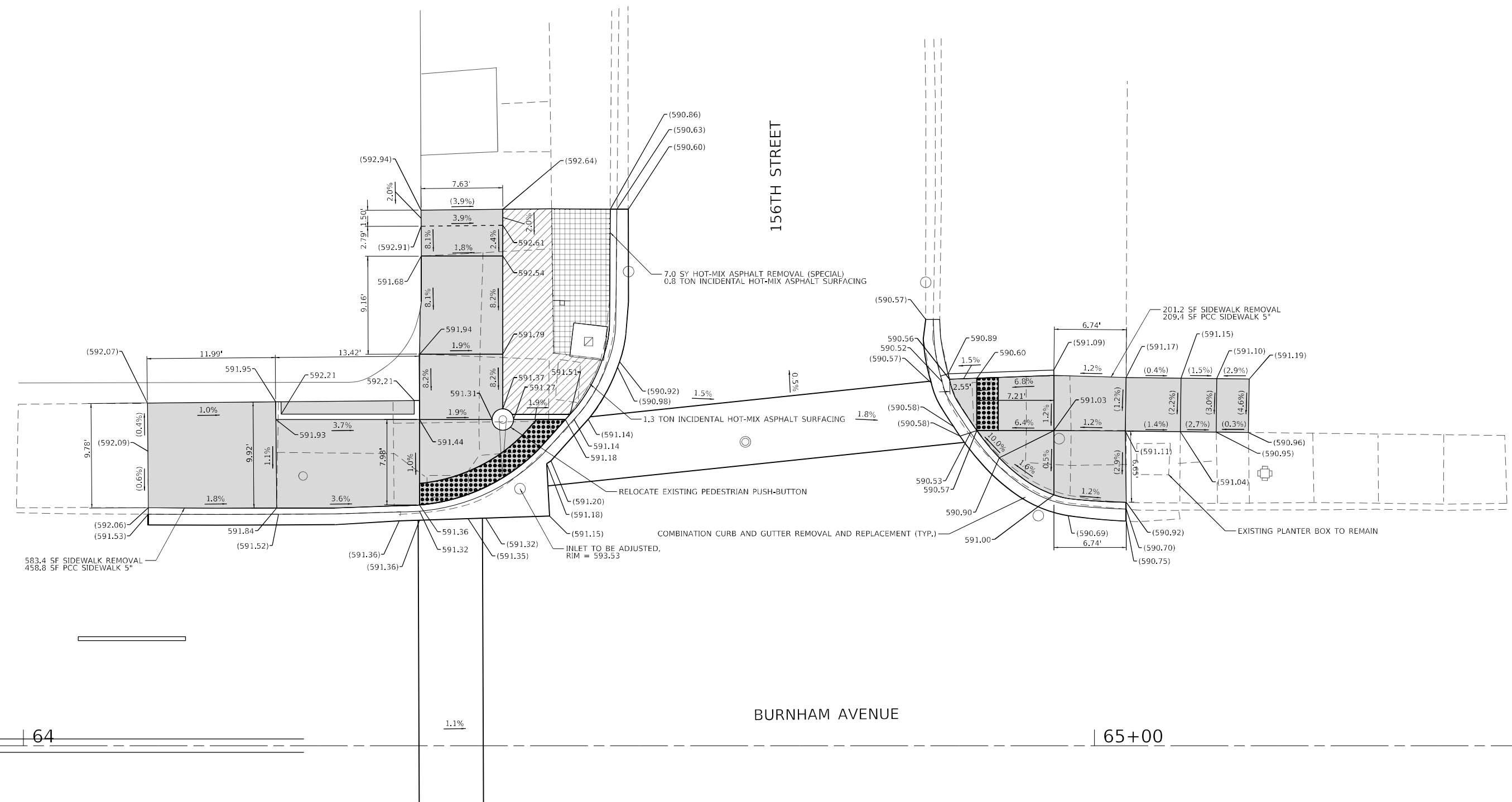
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – 156TH PL
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	25
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

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MODEL: Default
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TBM B
 CHISELED "X" ON TOP OF NORTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND 156TH ST
 ELEVATION 592.143
 NORTHING 1802239.364
 EASTING 1201352.256

LEGEND

XX.X' EXISTING LENGTH	DETECTABLE WARNINGS	SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
() EXISTING ELEVATION/SLOPE	PROPOSED SIDEWALK	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
PROPOSED SIDE CURB	SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING	



USER NAME = kmaus	DESIGNED - KMM	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN - KMM	REVISED -
PLOT DATE = 10/08/2021	CHECKED - EIG	REVISED -
	DATE - 10/08/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS - 156TH ST
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS

SCALE: 1" = 5' SHEET 11 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	26
CONTRACT NO. 62P16				
		ILLINOIS	FED. AID PROJECT	



BURNHAM AVENUE

65+00

1.1%

1.6%

1.8%

5.0%

5.9%

3.1%

3.8%

0.6%

1.9%

4.5%

3.2%

5.0%

8.1%

1.9%

0.3%

3.0%

1.7%

2.0%

1.8%

0.4%

8.0%

0.3%

6.7%

0.5%

1.7%

0.5%

3.6%

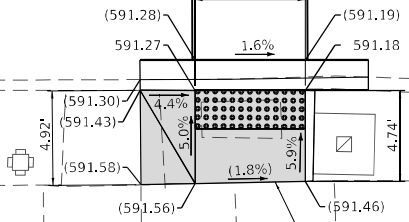
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6.4%

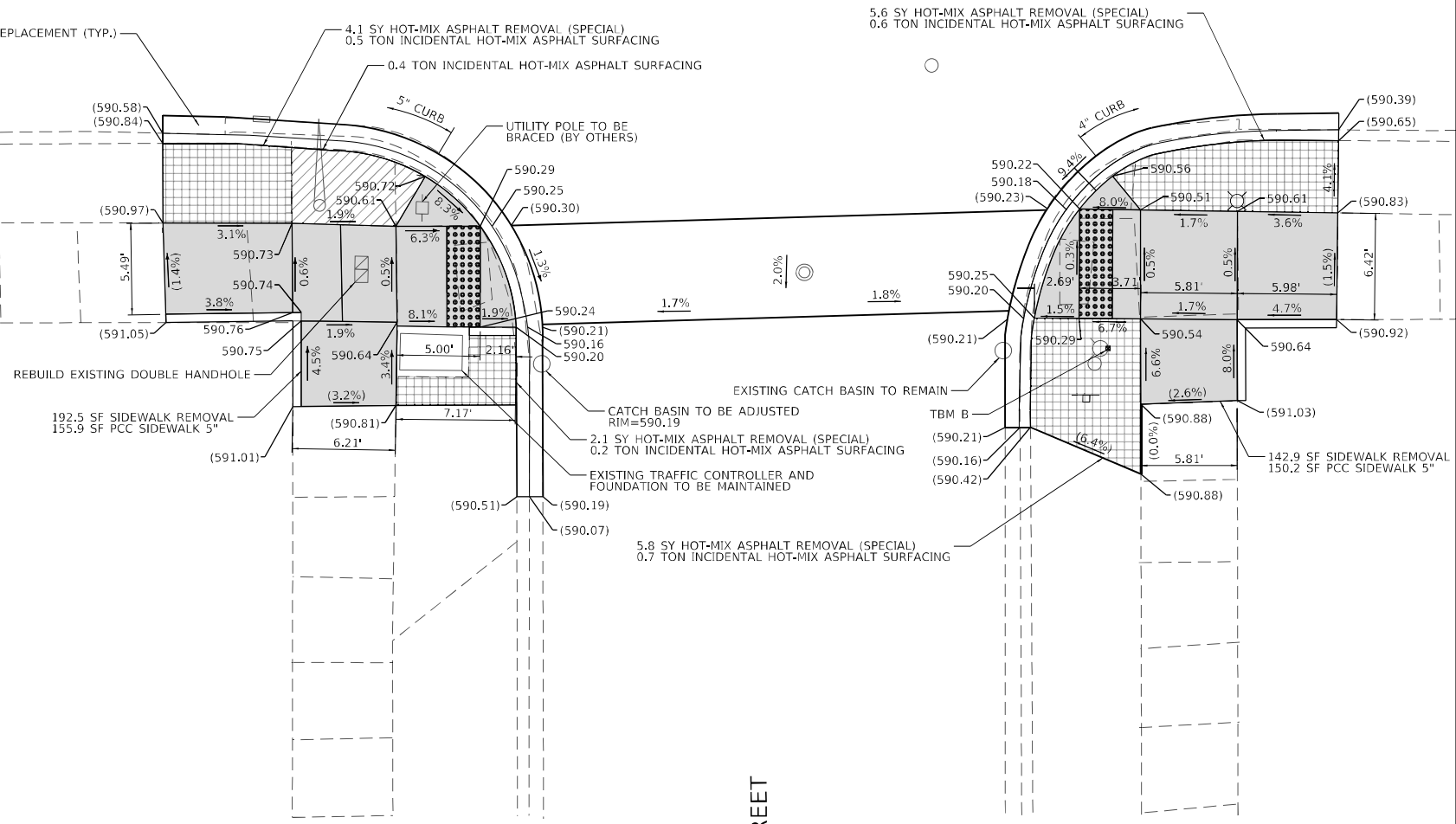
0.0%

5.8%

8.0%



43.8 SF SIDEWALK REMOVAL
43.6 SF PCC SIDEWALK 5"



156TH STREET

TBM B
CHISELED "X" ON TOP OF NORTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND 156TH ST
ELEVATION 592.143
NORTHING 1802239.364
EASTING 1201352.256

LEGEND

EXISTING LENGTH	DETECTABLE WARNINGS	SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
() EXISTING ELEVATION/SLOPE	PROPOSED SIDEWALK	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
PROPOSED SIDE CURB	SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING	



USER NAME = k/maus	DESIGNED - KMM	REVISED -
PLOT SCALE = 10.0000' +/-	DRAWN - KMM	REVISED -
PLOT DATE = 10/08/2021	CHECKED - EIG	REVISED -
	DATE - 10/08/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS - 156TH ST
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS

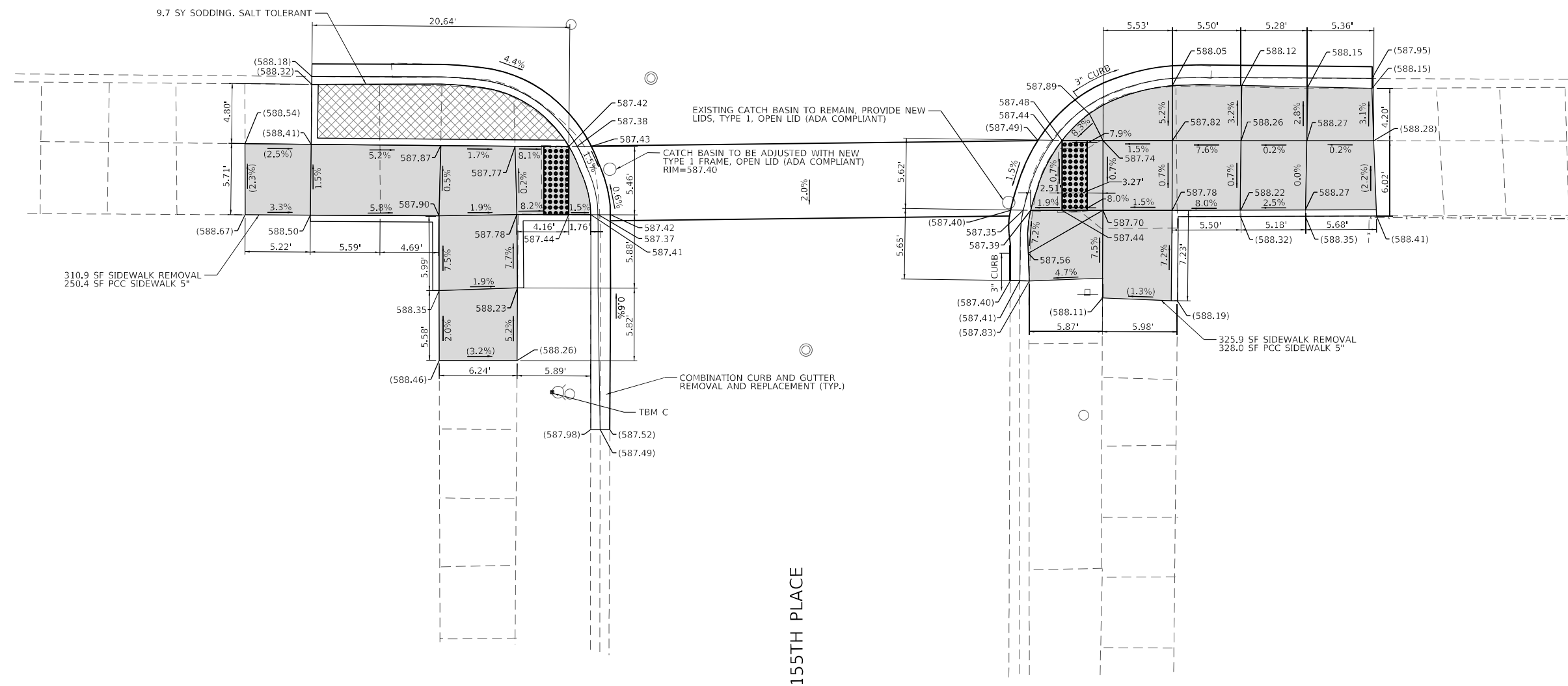
F.A.U. RTE. 2943	SECTION 2021-079-R5&SW	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 27
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: 20210808_DrawingR502_CADD_SHEETSD162P16_ADA-12.dwg

SCALE: 1" = 5' SHEET 12 OF SHEETS STA. TO STA.



BURNHAM AVENUE



155TH PLACE

TBM C
 CHISELED "X" ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 155TH PL
 ELEVATION 589.578
 NORTHING 1802518.608
 EASTING 1201361.339

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

MODEL: Default
 FILE NAME: 202500_DrawingR502_CADD_SHEETID162P16.ADA-13.dwg
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-464-5800
 www.bowman.com



USER NAME = k/maus	DESIGNED - KMM	REVISED -
	DRAWN - KMM	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - EIG	REVISED -
PLOT DATE = 10/08/2021	DATE - 10/08/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – 155TH PL
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

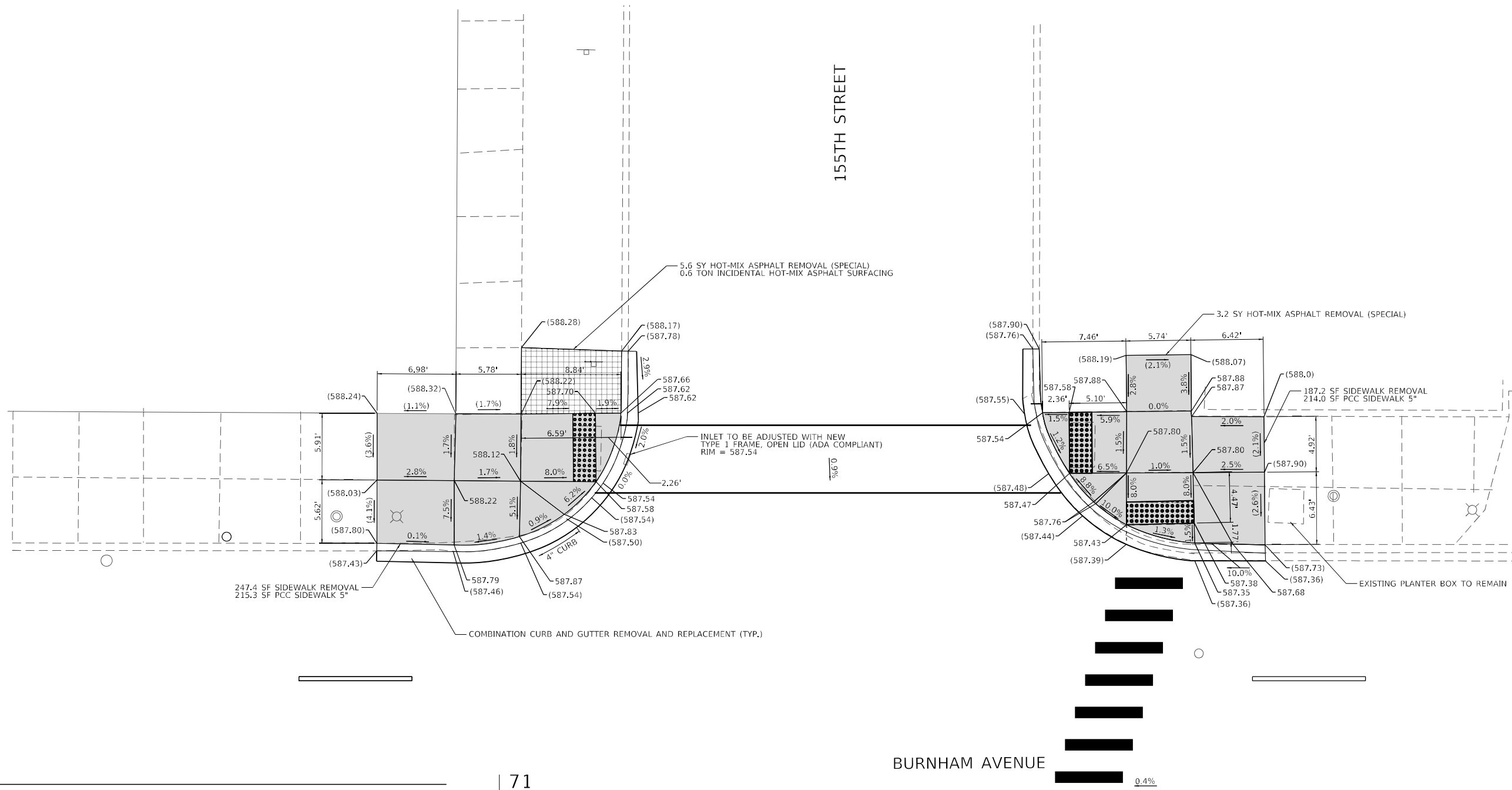
SCALE: 1" = 5'
 SHEET 13 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	28
				CONTRACT NO. 62P16
ILLINOIS FED. AID PROJECT				



155TH STREET

BURNHAM AVENUE



71

72

TBM D
 CHISELED "X" ON TOP OF NW BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 155TH ST
 ELEVATION 589.123
 NORTHING 1802837.048
 EASTING 1201357.827

LEGEND

EXISTING LENGTH	DETECTABLE WARNINGS	SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
EXISTING ELEVATION/SLOPE	PROPOSED SIDEWALK	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
PROPOSED SIDE CURB	SIDEWALK REMOVAL, REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING	

NOTE:
 SEE RESURFACING AND PAVEMENT MARKING PLANS FOR PEDESTRIAN CROSSING SIGNS.

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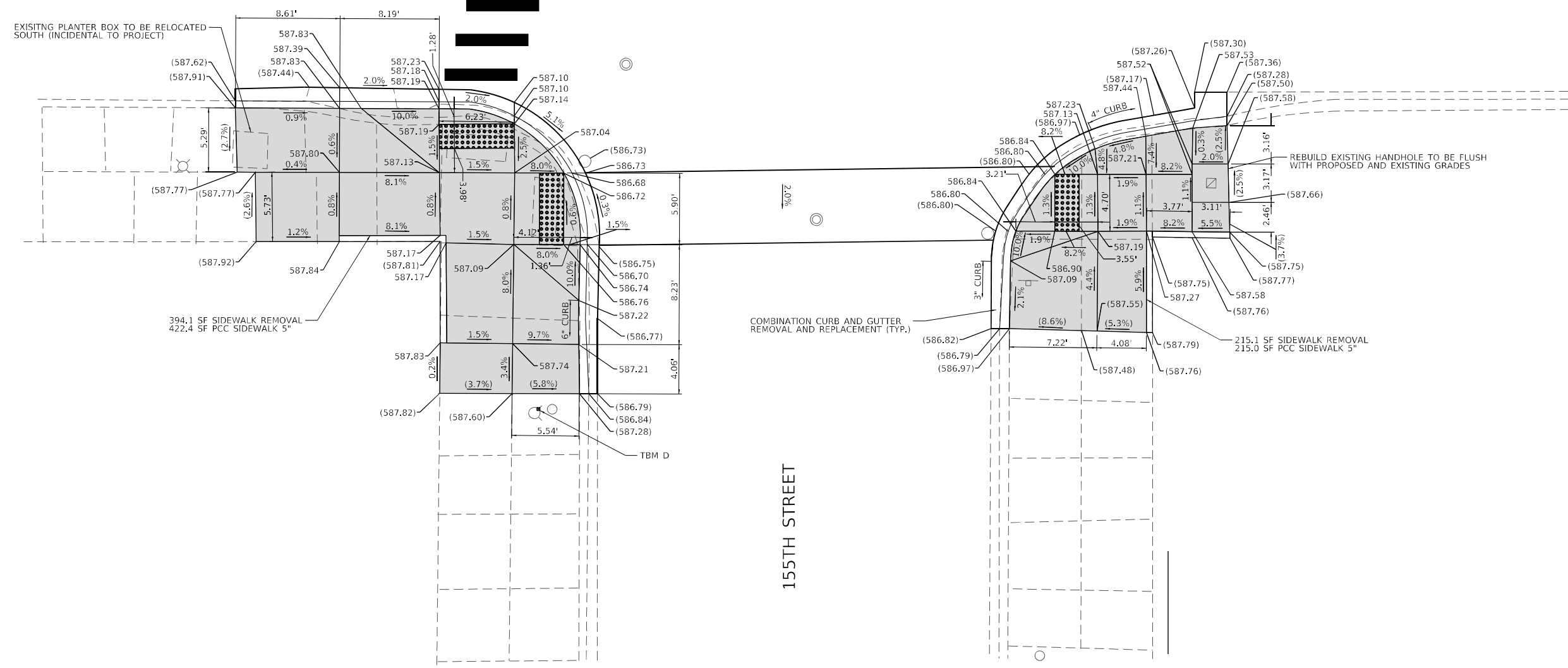
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DRAWN - KMM	REVISOR -	
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PLOT DATE = 10/08/2021	DATE - 10/08/2021	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 155TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: 1" = 5' SHEET 14 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	29
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				



COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (TYP.)

REBUILD EXISTING HANDHOLE TO BE FLUSH WITH PROPOSED AND EXISTING GRADES

215.1 SF SIDEWALK REMOVAL
215.0 SF PCC SIDEWALK 5"

MODEL: Default
FILE NAME: 20210801_DrawingR502_CADD_SHEETD162P16_ADA-15.dwg

TBM D
 CHISELED "X" ON TOP OF NW BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND 155TH ST
 ELEVATION 589.123
 NORTHING 1802837.048
 EASTING 1201357.827

LEGEND

- XX.X' EXISTING LENGTH
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

NOTE:
SEE RESURFACING AND PAVEMENT MARKING PLANS FOR PEDESTRIAN CROSSING SIGNS.



USER NAME = k/maus	DESIGNED - KMM	REVISED -
DRAWN - KMM	CHECKED - EIG	REVISED -
PLOT SCALE = 10,0000' +/-	DATE - 10/08/2021	REVISED -
PLOT DATE = 10/08/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 155TH ST
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

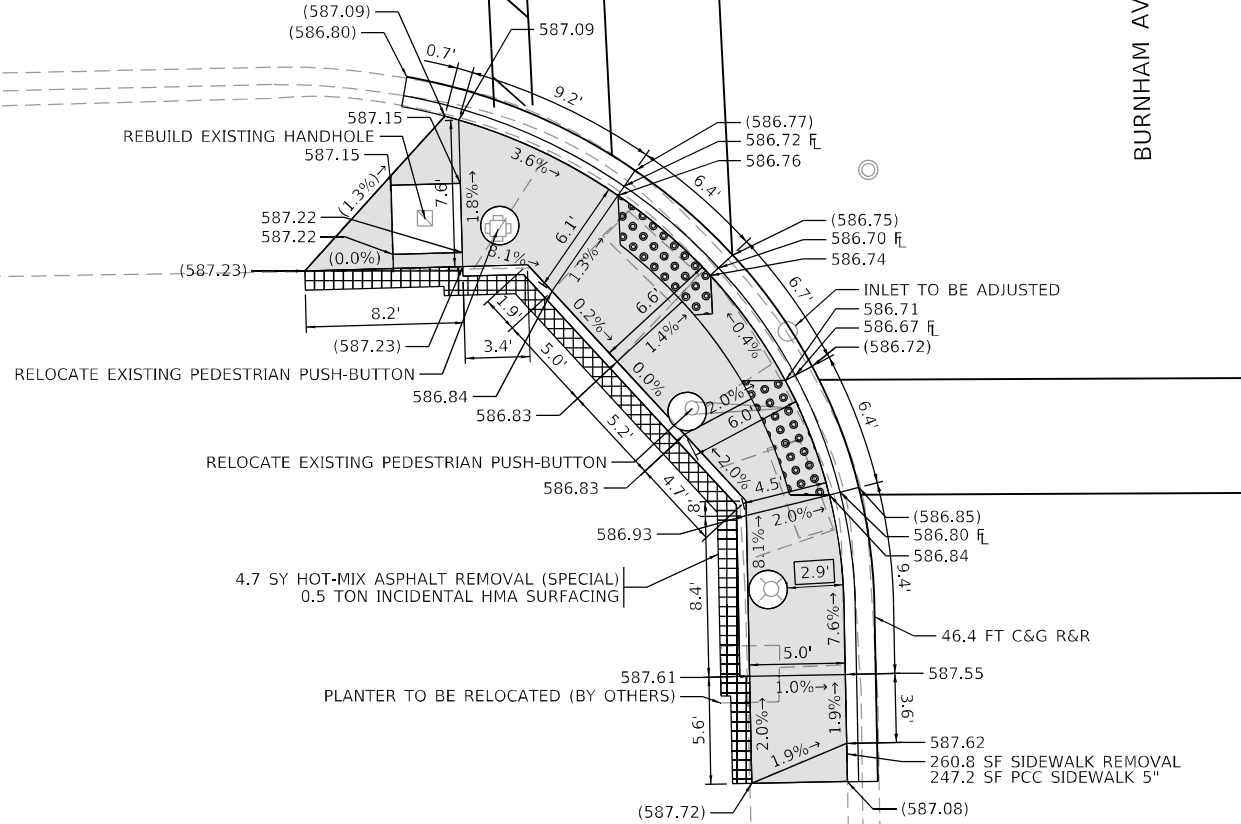
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	30
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT				

PULASKI RD / 154TH ST



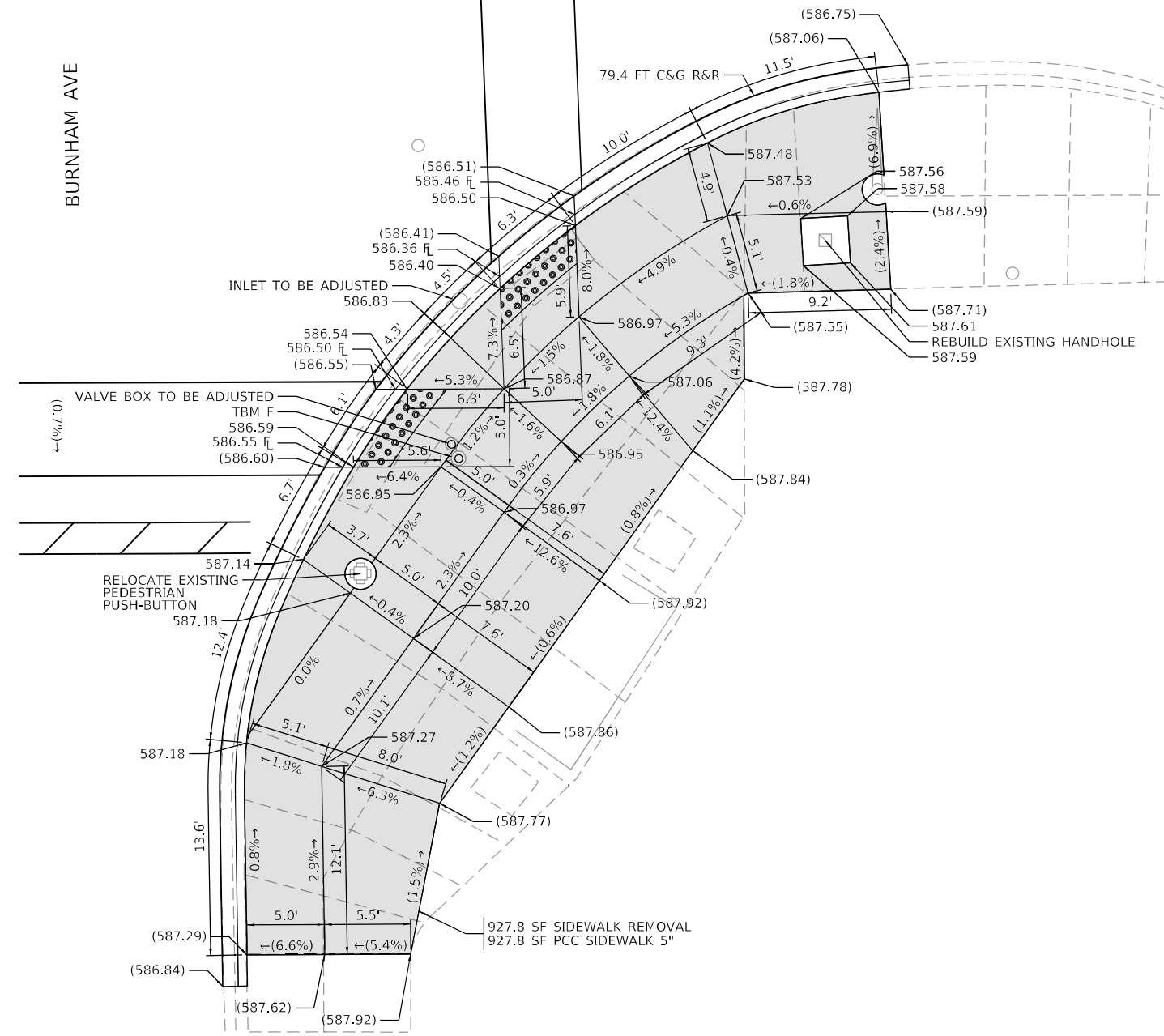
BURNHAM AVE



PULASKI RD / 154TH ST



BURNHAM AVE



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TBM F
CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT
AT SE CORNER OF BURNHAM AVE AND PULASKI RD
ELEVATION 590.15
NORTHING 1803431.995
EASTING 1201346.235

LEGEND

- (XX.X') EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- █ PROPOSED SIDEWALK
- ▨ SIDEWALK REMOVAL,
REPLACE WITH TOPSOIL & SOD
- ▧ HOT-MIX ASPHALT SURFACE
REMOVAL (SPECIAL), REPLACE
WITH INCIDENTAL
HOT-MIX ASPHALT SURFACING

TBM F
CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT
AT SE CORNER OF BURNHAM AVE AND PULASKI RD
ELEVATION 590.15
NORTHING 1803431.995
EASTING 1201346.235



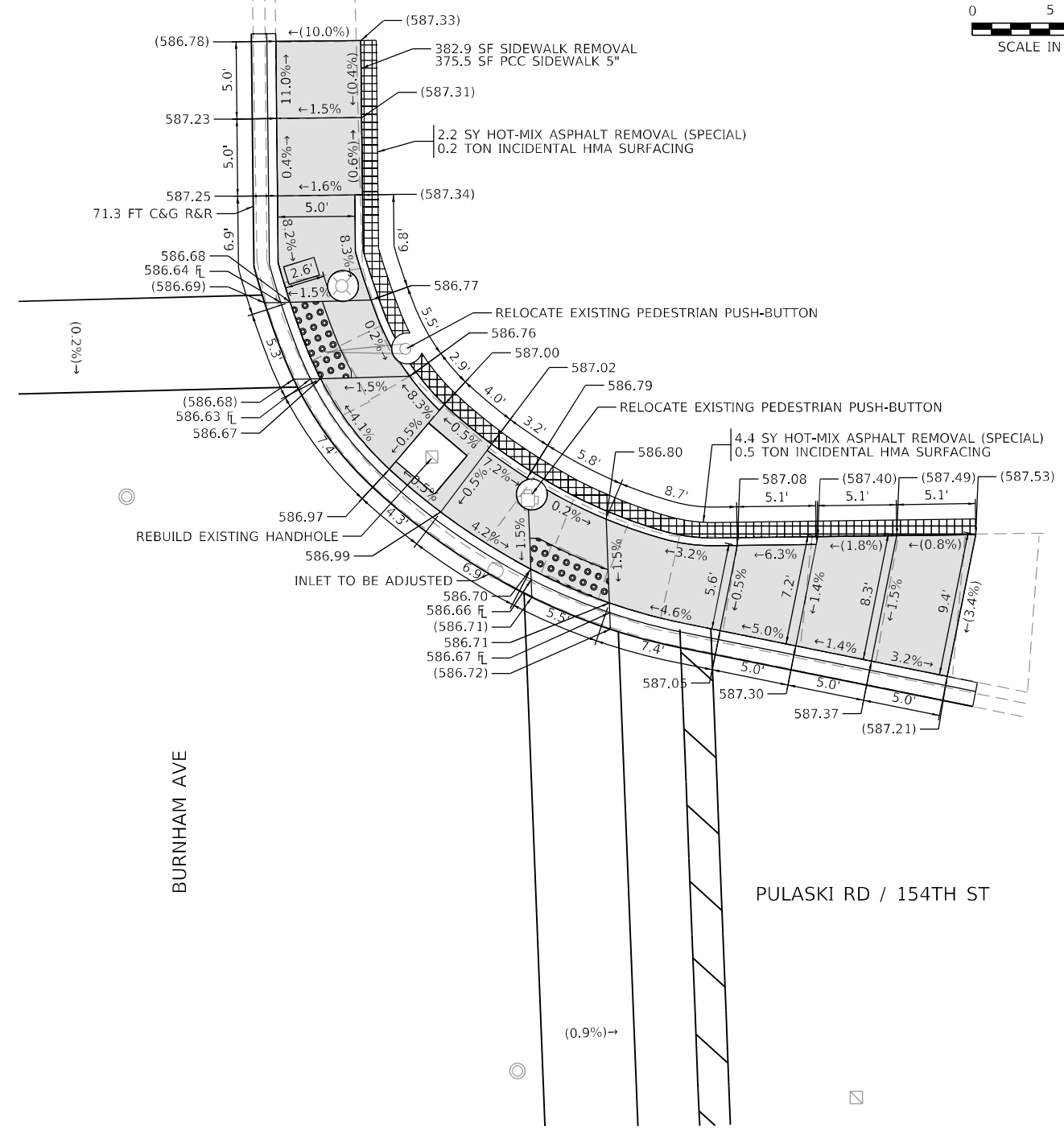
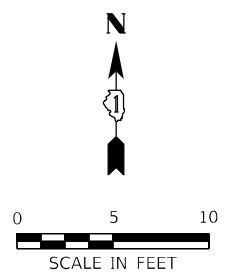
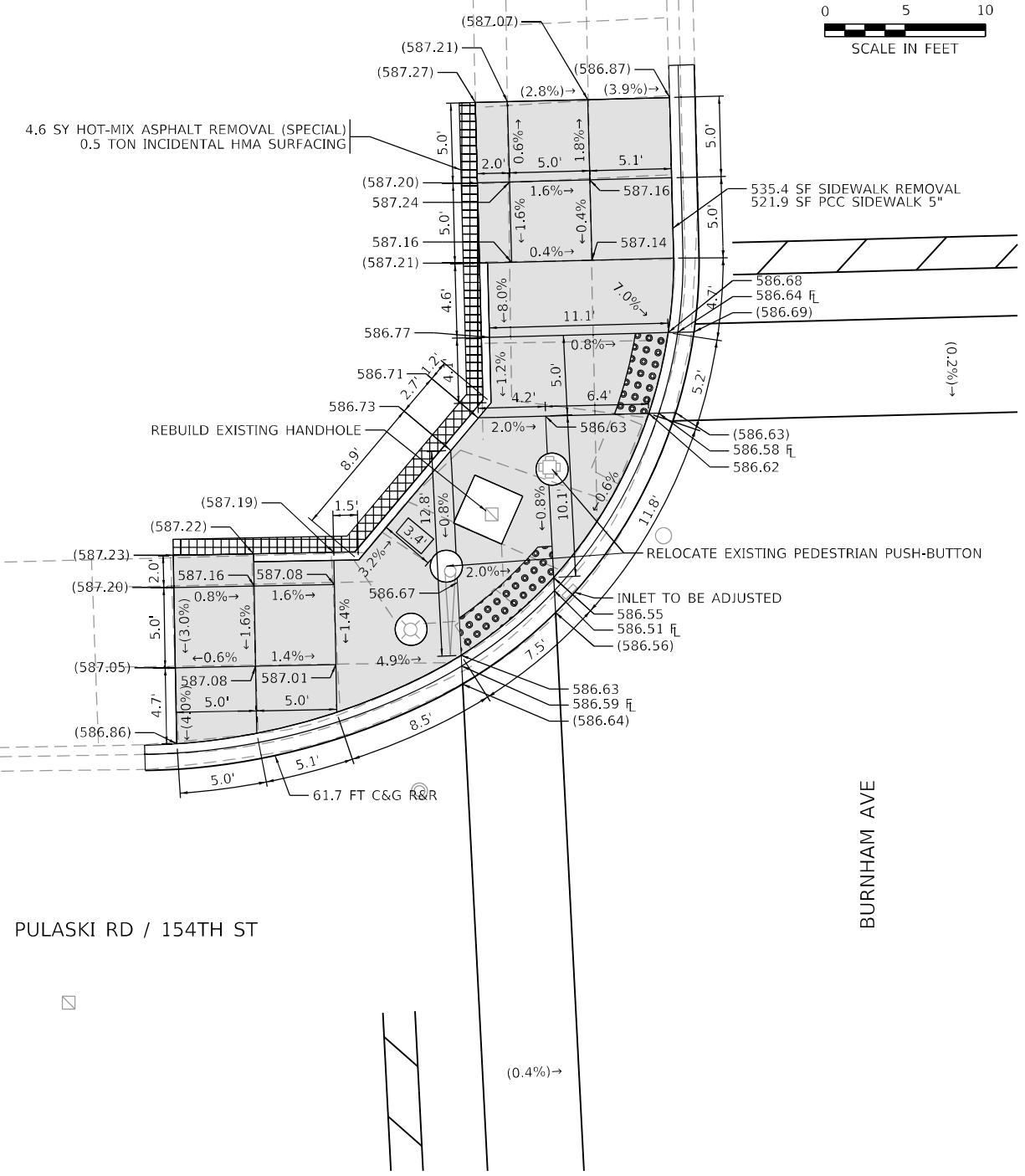
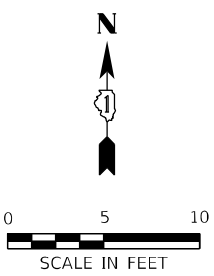
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	DRAWN - DW	REVISD -
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PLOT DATE = 10/26/2021	DATE - 10-08-2021	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - PULASKI RD/154TH ST
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 2943	SECTION 2021-079-R5&SW	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 32
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				



MODEL Defaul
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TBM F
CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT
AT SE CORNER OF BURNHAM AVE AND PULASKI RD
ELEVATION 590.15
NORTHING 1803431.995
EASTING 1201346.235

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM F
CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT
AT SE CORNER OF BURNHAM AVE AND PULASKI RD
ELEVATION 590.15
NORTHING 1803431.995
EASTING 1201346.235



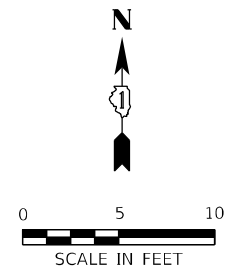
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PLOT DATE = 11/12/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – PULASKI RD/154TH ST
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

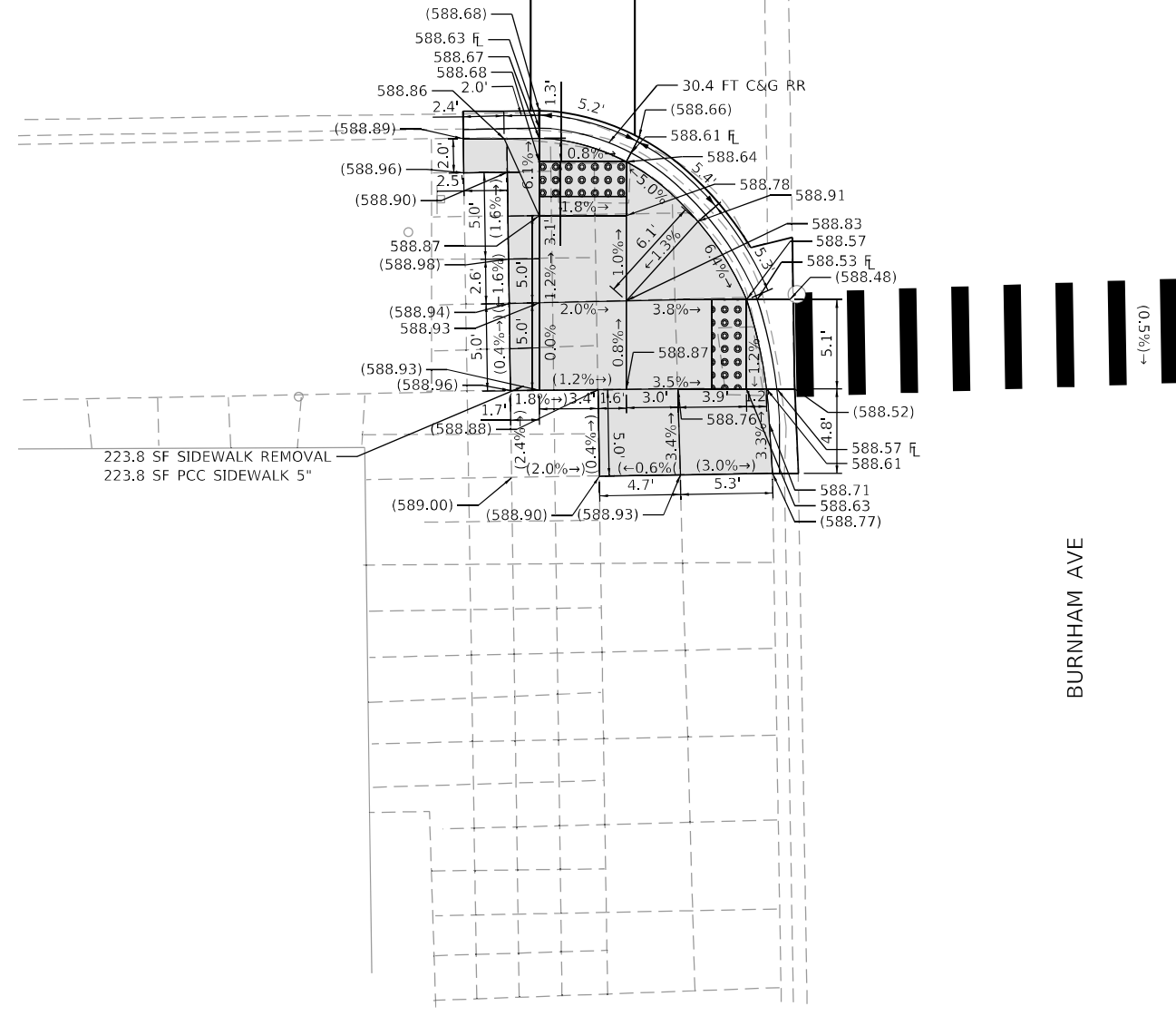
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	33
CONTRACT NO.				62P16
ILLINOIS		FED. AID PROJECT F29U(690)		

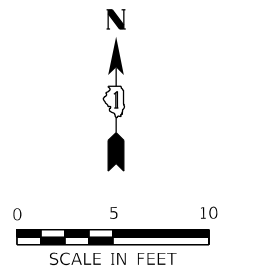


153RD ST

←(1.8%)

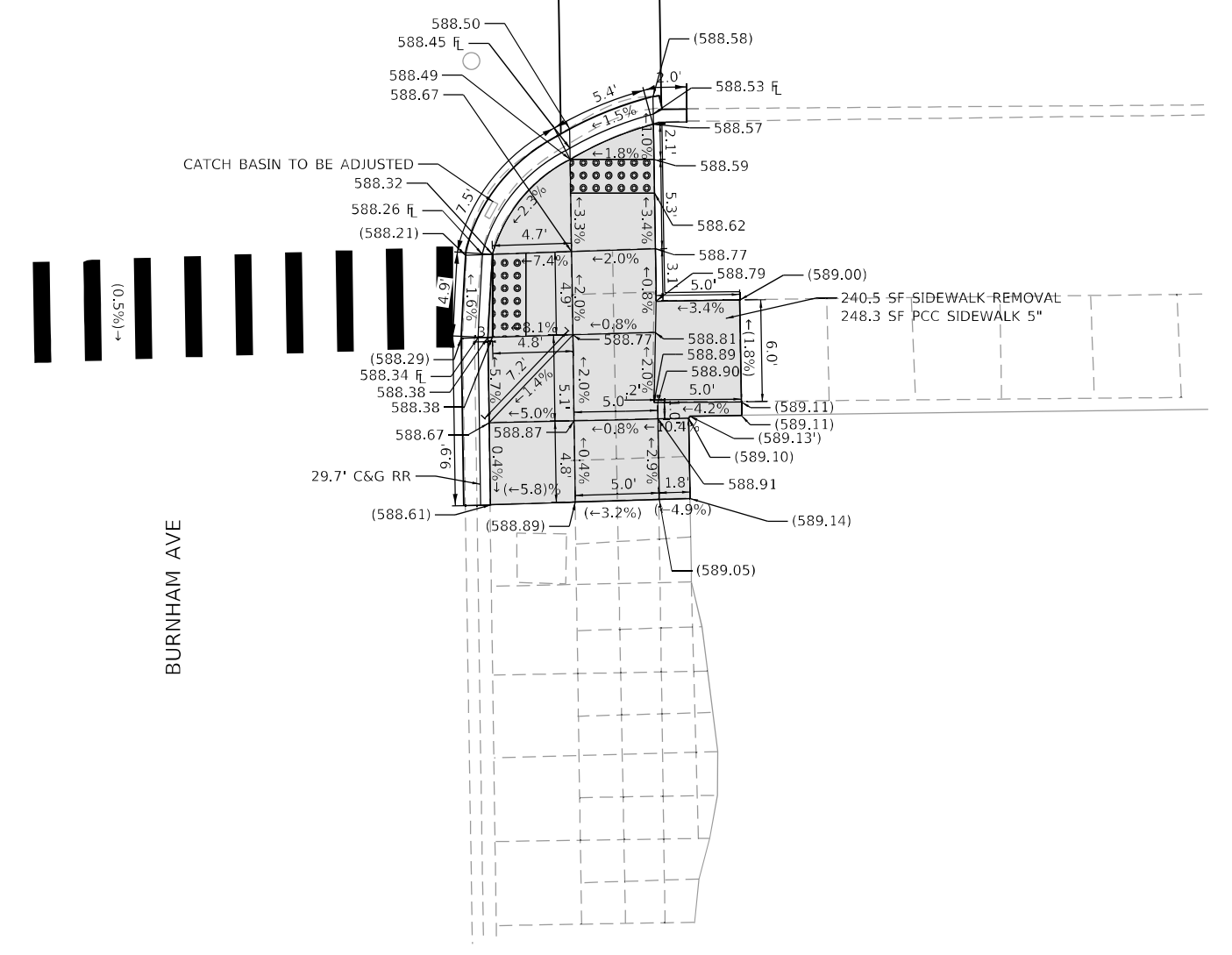


BURNHAM AVE



153RD ST

(0.1%)→



BURNHAM AVE

NOTE:
SEE RESURFACING AND PAVEMENT
MARKING PLANS FOR PEDESTRIAN
CROSSING SIGNS.

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LEGEND

- [XX.X'] EXISTING LENGTH
- [] EXISTING ELEVATION/SLOPE
- [—] PROPOSED SIDE CURB
- [Grid] DETECTABLE WARNINGS
- [Shaded] PROPOSED SIDEWALK
- [Cross-hatch] SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- [Grid] HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM G
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND 153RD ST
ELEVATION 590.64
NORTHING 1804158.965
EASTING 1201326.909

TBM G
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT AT NE CORNER OF BURNHAM AVE AND 153RD ST
ELEVATION 590.64
NORTHING 1804158.965
EASTING 1201326.909



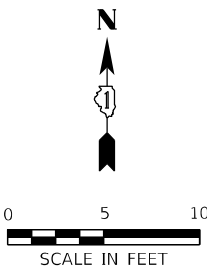
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

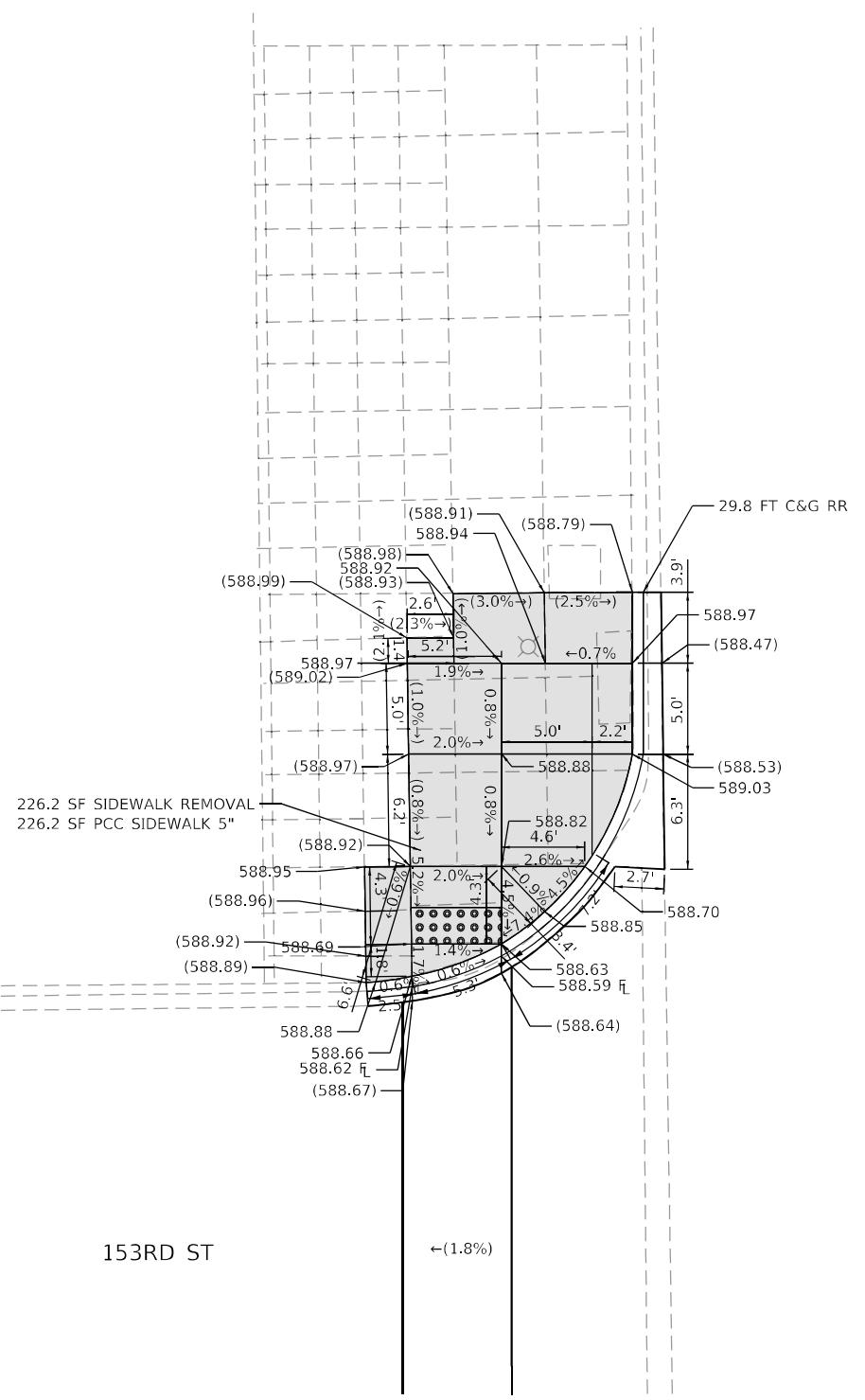
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BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

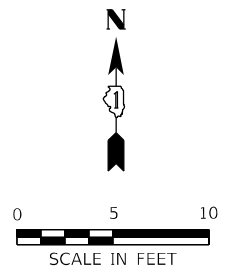
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	34
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



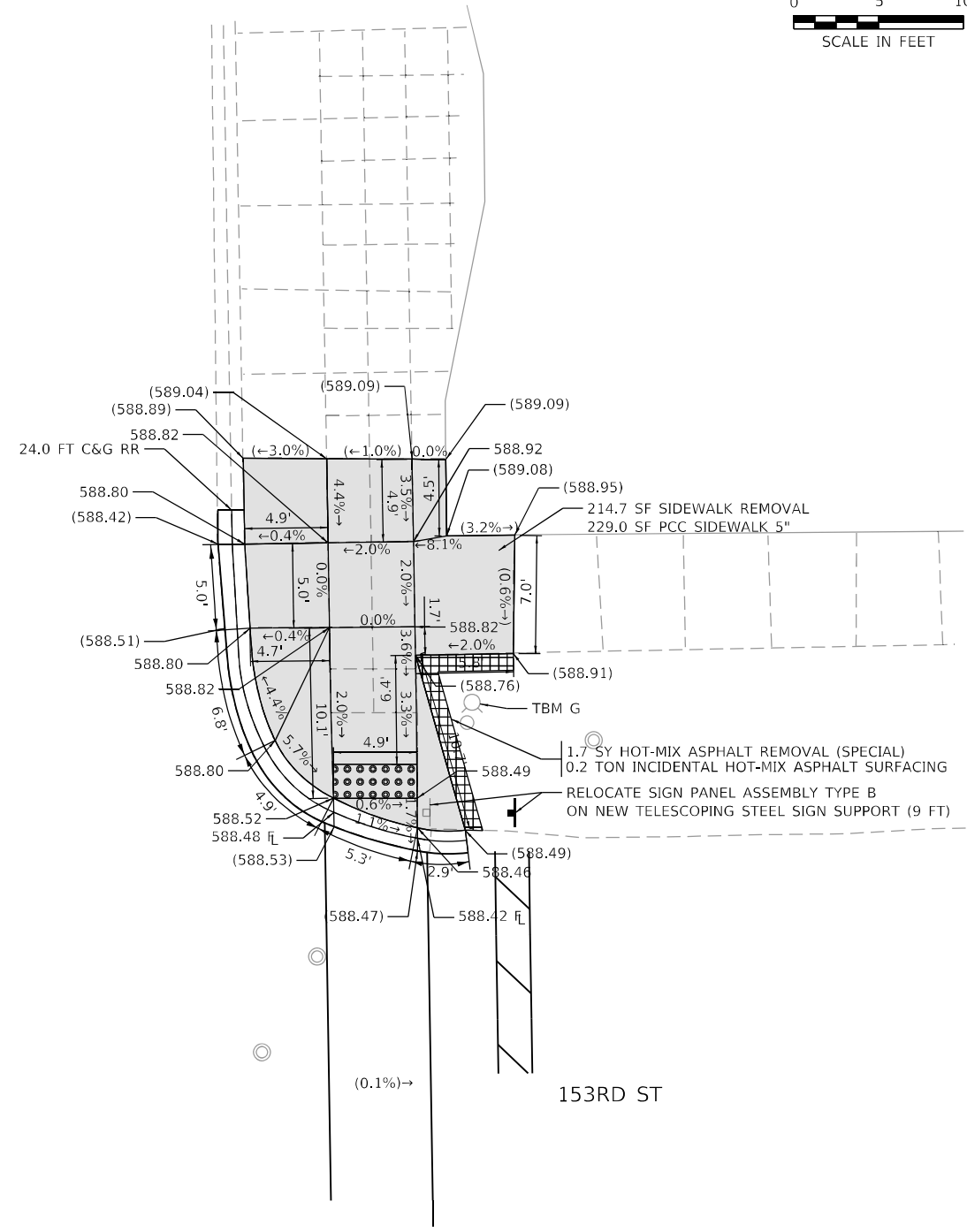
BURNHAM AVE



153RD ST



BURNHAM AVE



153RD ST

LEGEND

- (XX.X') EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- [Grid of dots] DETECTABLE WARNINGS
- [Solid gray box] PROPOSED SIDEWALK
- [Cross-hatched box] SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- [Grid of squares] HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM G
 CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
 AT NE CORNER OF BURNHAM AVE AND 153RD ST
 ELEVATION 590.64
 NORTHING 1804158.965
 EASTING 1201326.909

TBM G
 CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
 AT NE CORNER OF BURNHAM AVE AND 153RD ST
 ELEVATION 590.64
 NORTHING 1804158.965
 EASTING 1201326.909



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

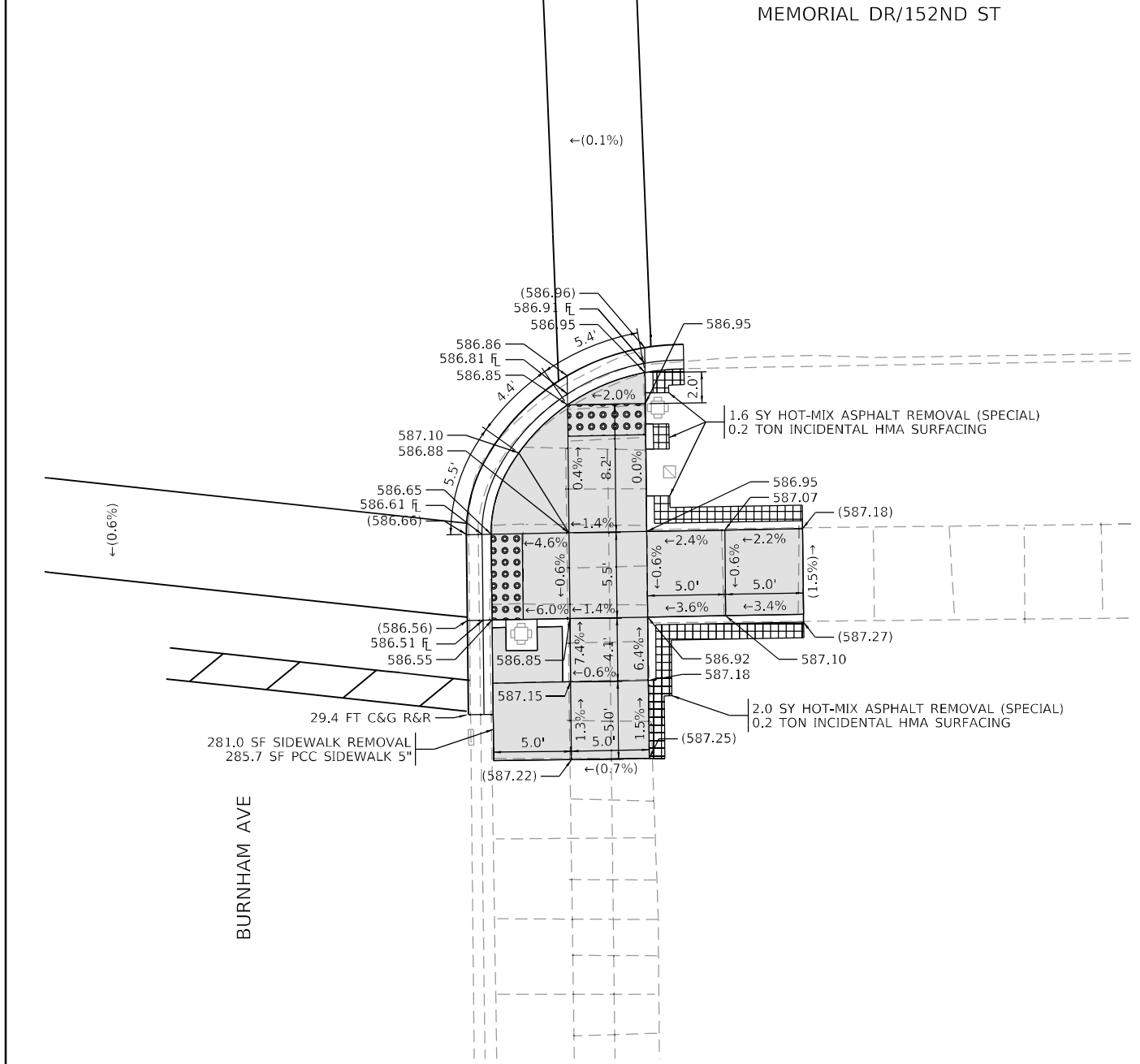
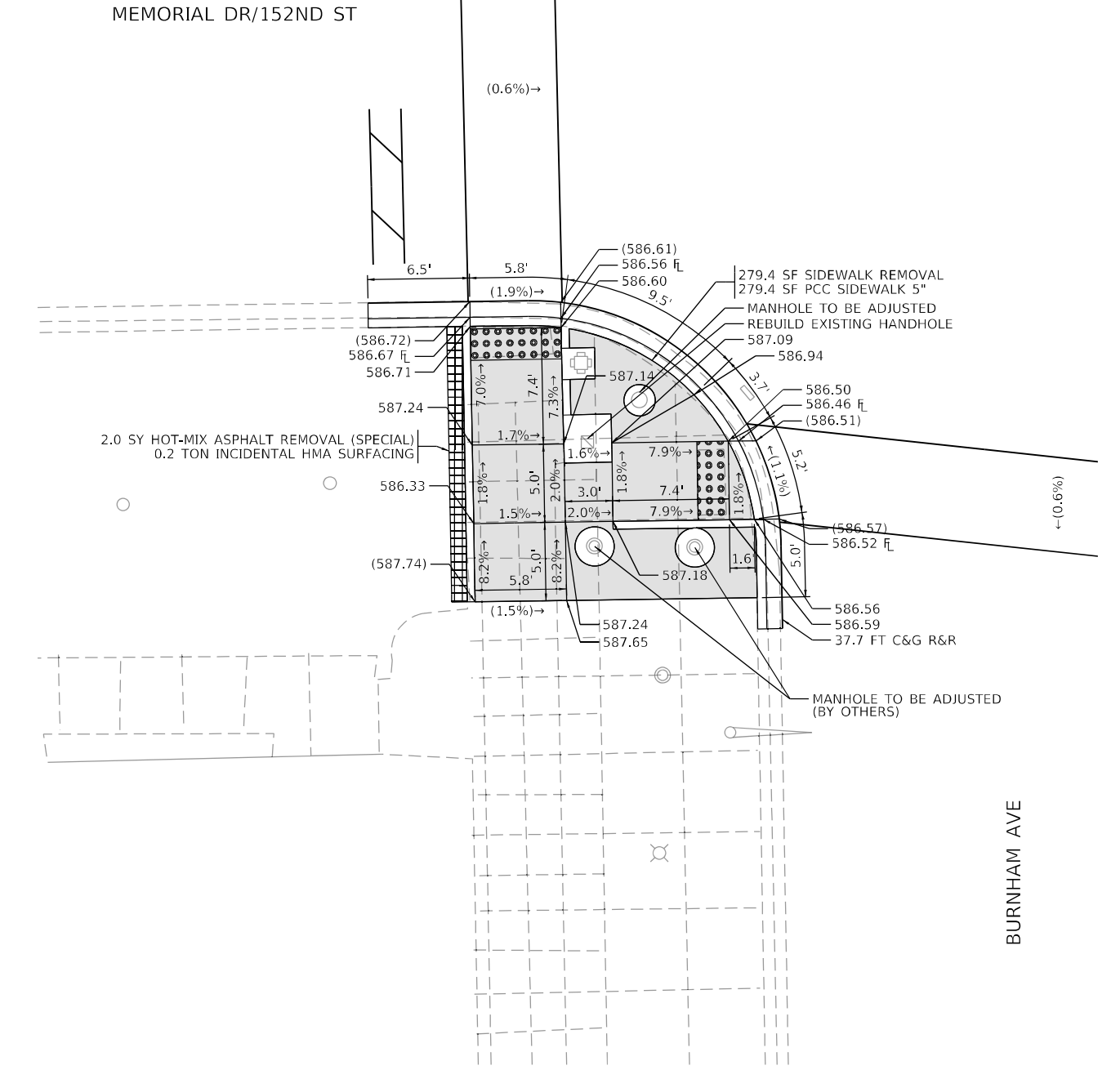
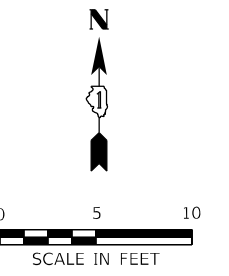
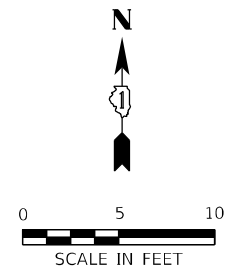
**ADA CURB RAMP DETAILS - 153RD ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	35
CONTRACT NO.				62P16

ILLINOIS FED. AID PROJECT F29U(690)

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TBM H
 CHISELED 'X' ON NE BOLT OF FIRE HYDRANT AT NW CORNER OF BURNHAM AVE AND MEMORIAL DR
 ELEVATION 588.05
 NORTHING 1804823.609
 EASTING 1201226.237

LEGEND

XX.X' EXISTING LENGTH	DETECTABLE WARNINGS	SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
() EXISTING ELEVATION/SLOPE	PROPOSED SIDEWALK	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING
PROPOSED SIDE CURB		

TBM H
 CHISELED 'X' ON NE BOLT OF FIRE HYDRANT AT NW CORNER OF BURNHAM AVE AND MEMORIAL DR
 ELEVATION 588.05
 NORTHING 1804823.609
 EASTING 1201226.237



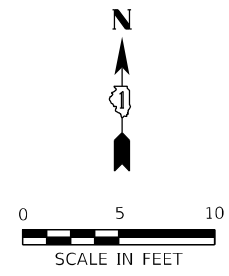
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

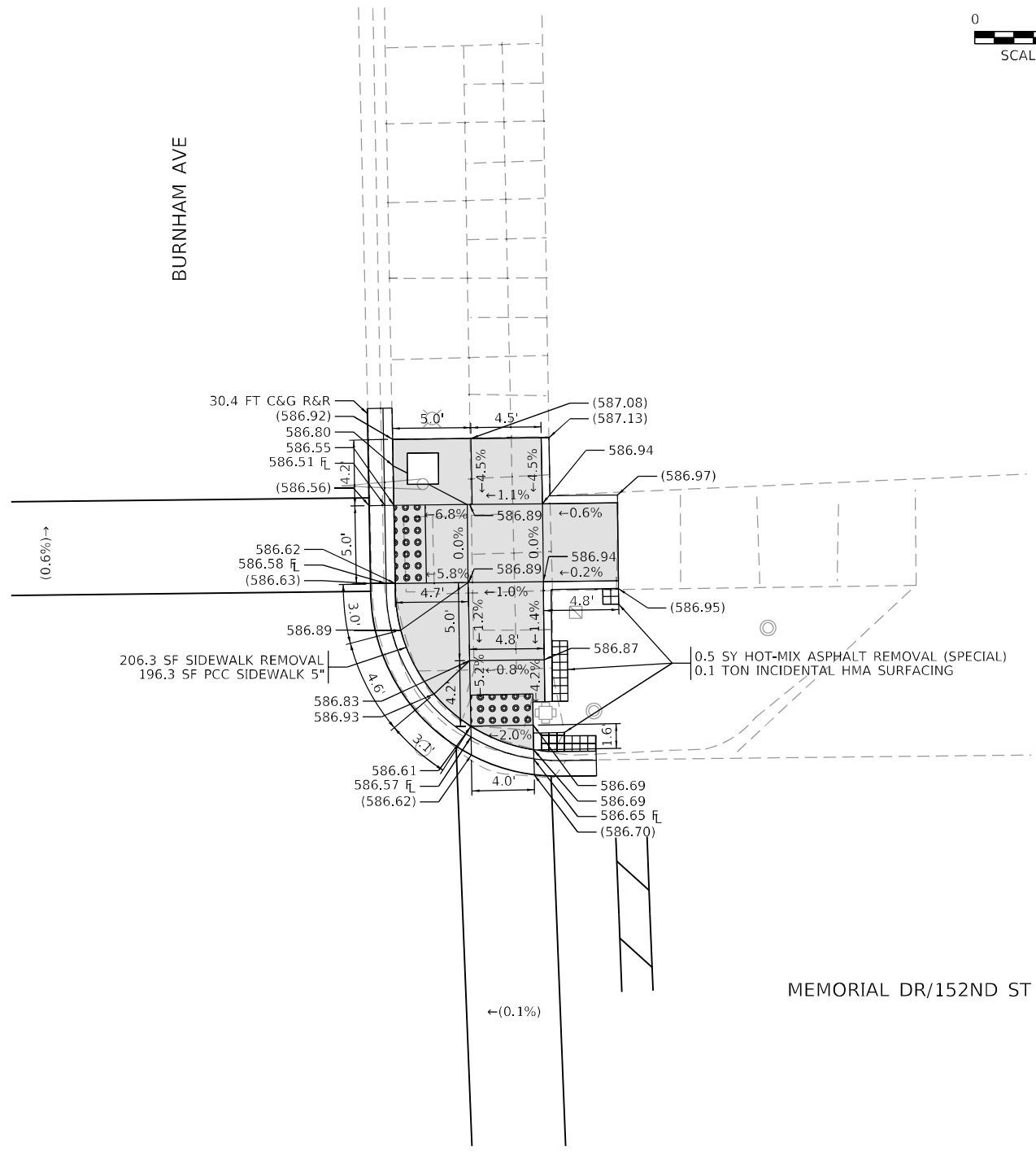
**ADA CURB RAMP DETAILS - MEMORIAL DR/152ND ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	36
CONTRACT NO.			62P16	
ILLINOIS		FED. AID PROJECT F29U(690)		

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BURNHAM AVE



MEMORIAL DR/152ND ST

MODEL: D:\dtd\11... FILE: MEMPHIS... 62P16\CADD\CADD_Sheets\Curb\152ND\62P16_Curb_ADA-Memorial.dwg

TBM H
 CHISELED 'X' ON NE BOLT OF FIRE HYDRANT AT NW CORNER OF BURNHAM AVE AND MEMORIAL DR
 ELEVATION 588.05
 NORTHING 1804823.609
 EASTING 1201226.237

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING



USER NAME = jschumann	DESIGNED - DW	REVISED -
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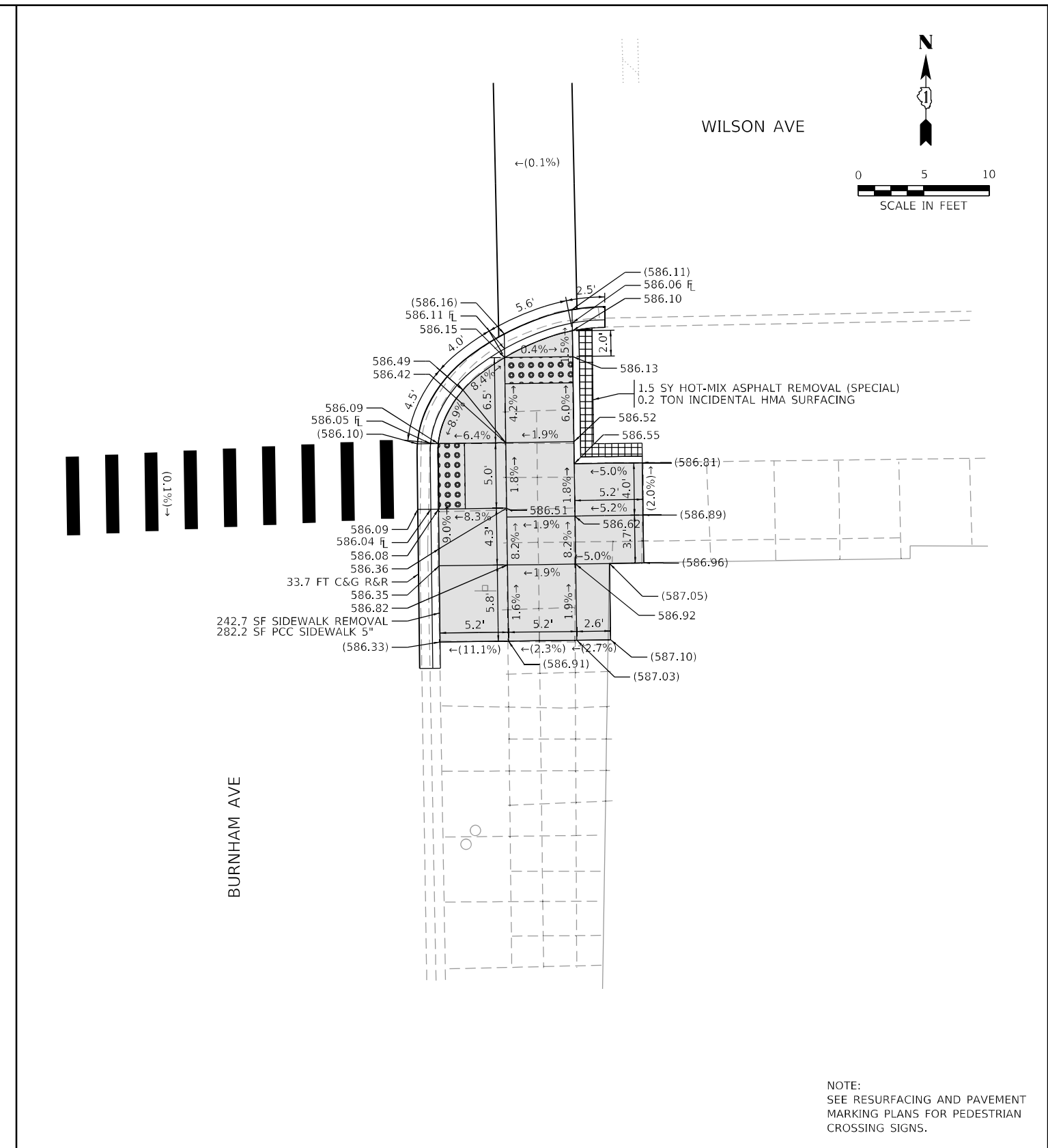
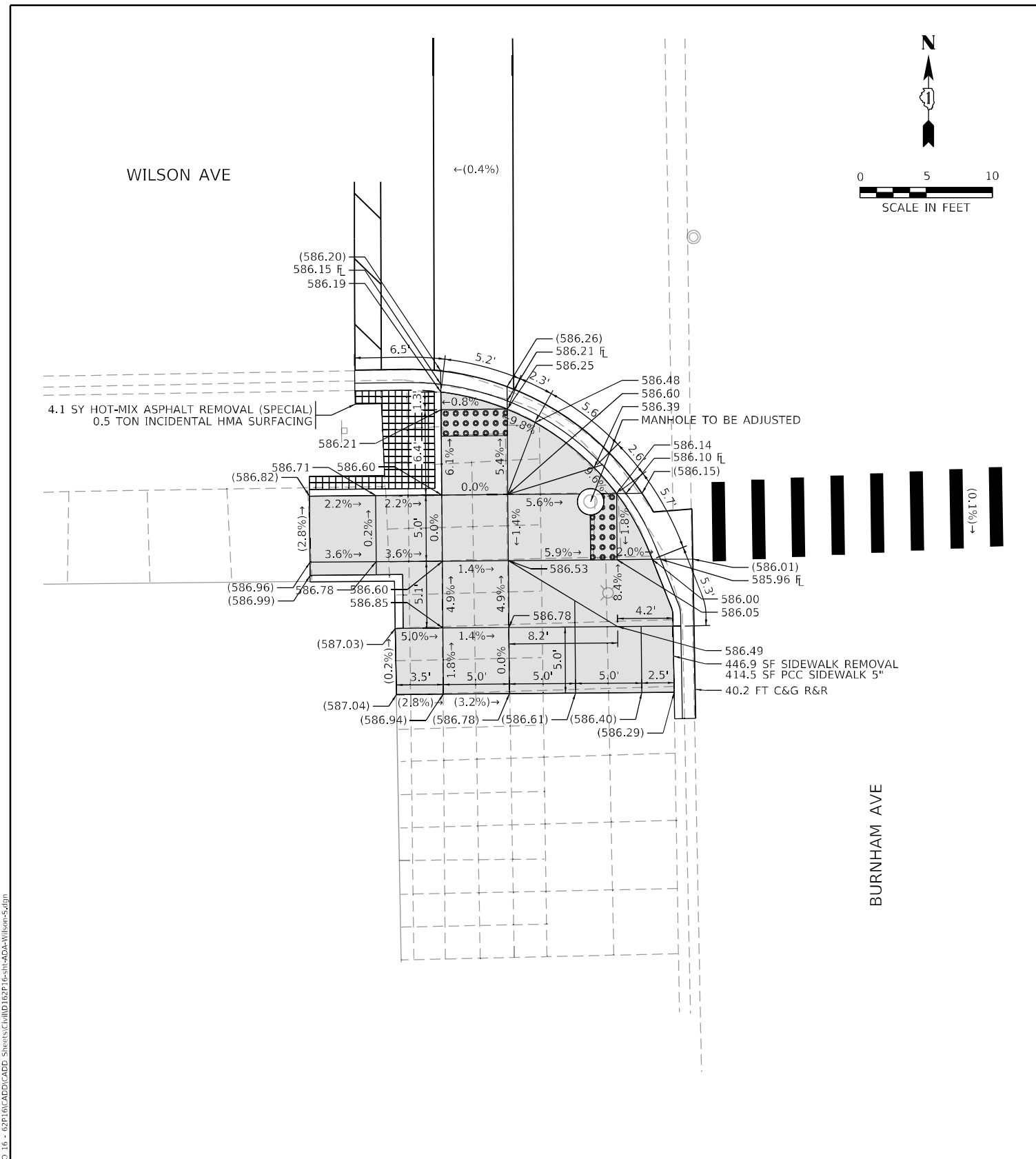
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – MEMORIAL DR/152ND ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	37
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

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NOTE:
SEE RESURFACING AND PAVEMENT MARKING PLANS FOR PEDESTRIAN CROSSING SIGNS.

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- Detectable warnings symbol
- PROPOSED SIDEWALK
- Sidewalk removal symbol
- Sidewalk removal symbol

TBM 1
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
AT NE CORNER OF BURNHAM AVE AND WILSON AVE
ELEVATION 588.58
NORTHING 1805480.830
EASTING 1201307.109

TBM 1
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
AT NE CORNER OF BURNHAM AVE AND WILSON AVE
ELEVATION 588.58
NORTHING 1805480.830
EASTING 1201307.109



USER NAME = jschumann	DESIGNED - DW	REVISED -
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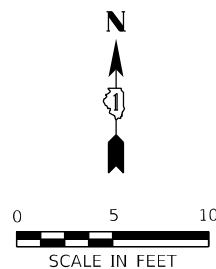
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**ADA CURB RAMP DETAILS - WILSON AVE
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

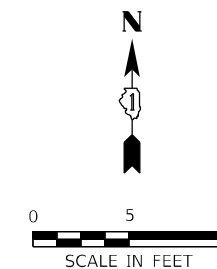
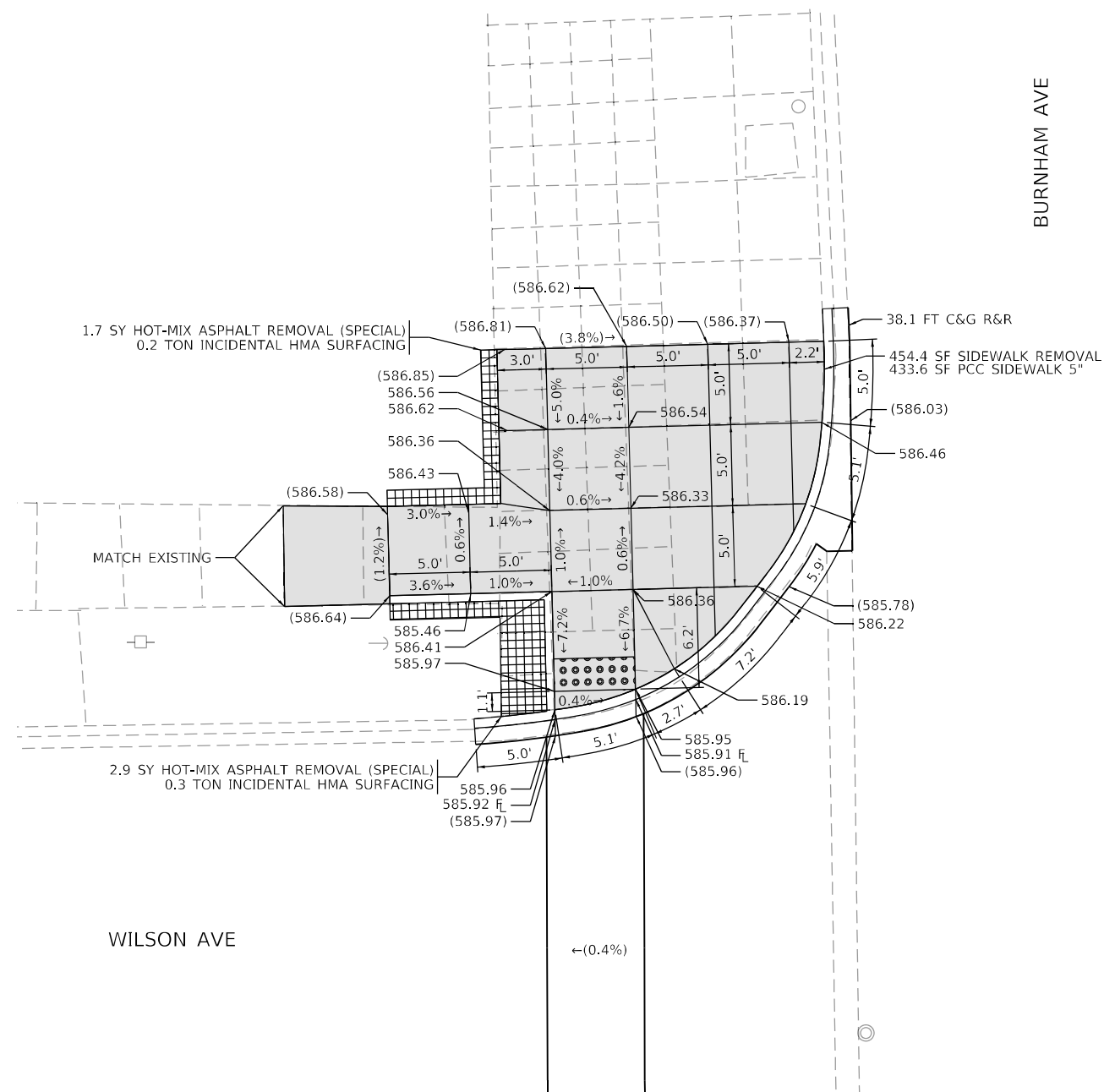
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	38
CONTRACT NO.				62P16

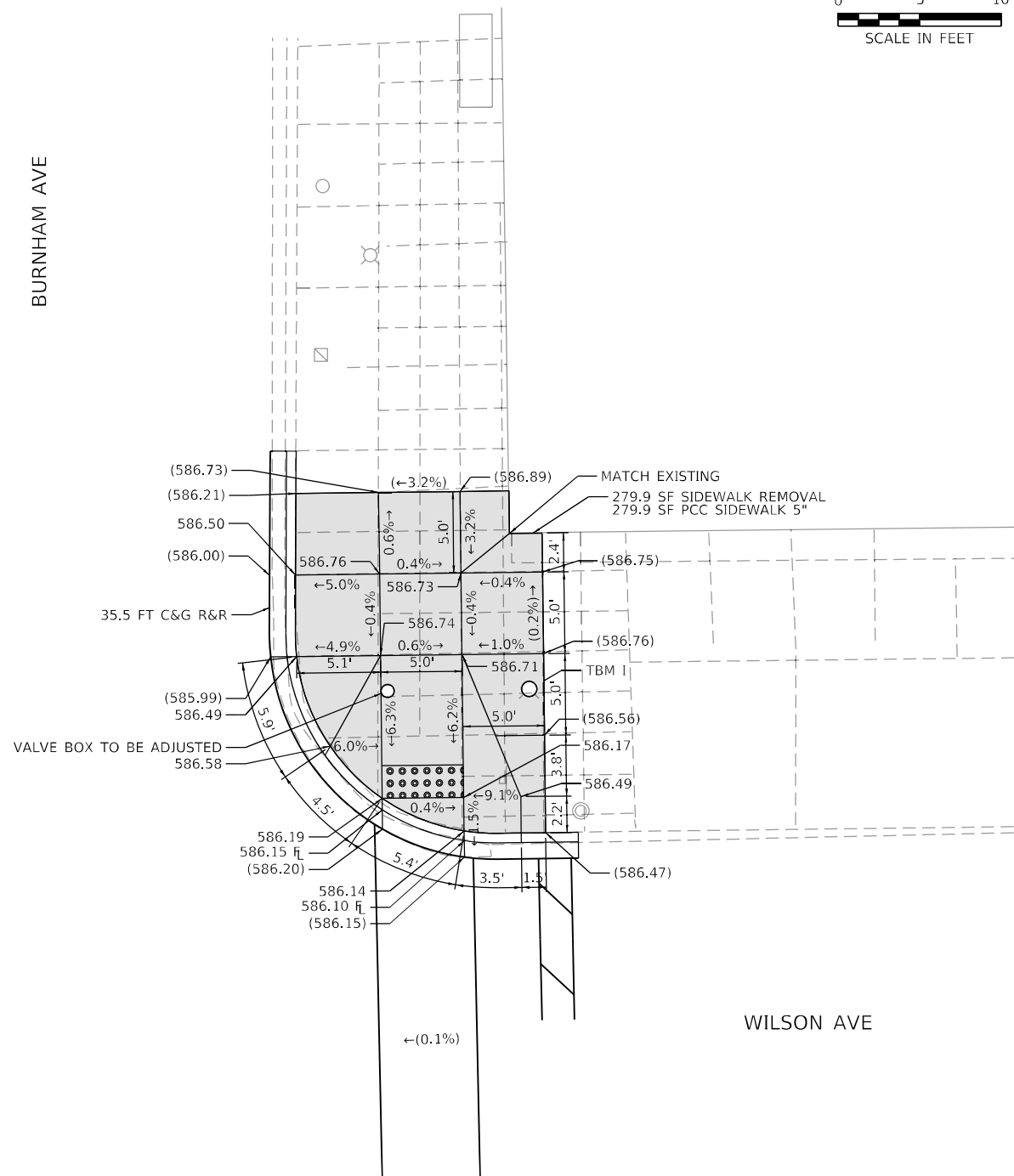
ILLINOIS FED. AID PROJECT F29U(690)



BURNHAM AVE



BURNHAM AVE



TBM 1
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
AT NE CORNER OF BURNHAM AVE AND WILSON AVE
ELEVATION 588.58
NORTHING 1805480.830
EASTING 1201307.109

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL,
REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE
REMOVAL (SPECIAL), REPLACE
WITH INCIDENTAL
HOT-MIX ASPHALT SURFACING

TBM 1
CHISELED 'X' ON TOP OF NORTH BOLT OF FIRE HYDRANT
AT NE CORNER OF BURNHAM AVE AND WILSON AVE
ELEVATION 588.58
NORTHING 1805480.830
EASTING 1201307.109

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PLOT DATE = 10/26/2021	DATE - 10-08-2021	REVISED -

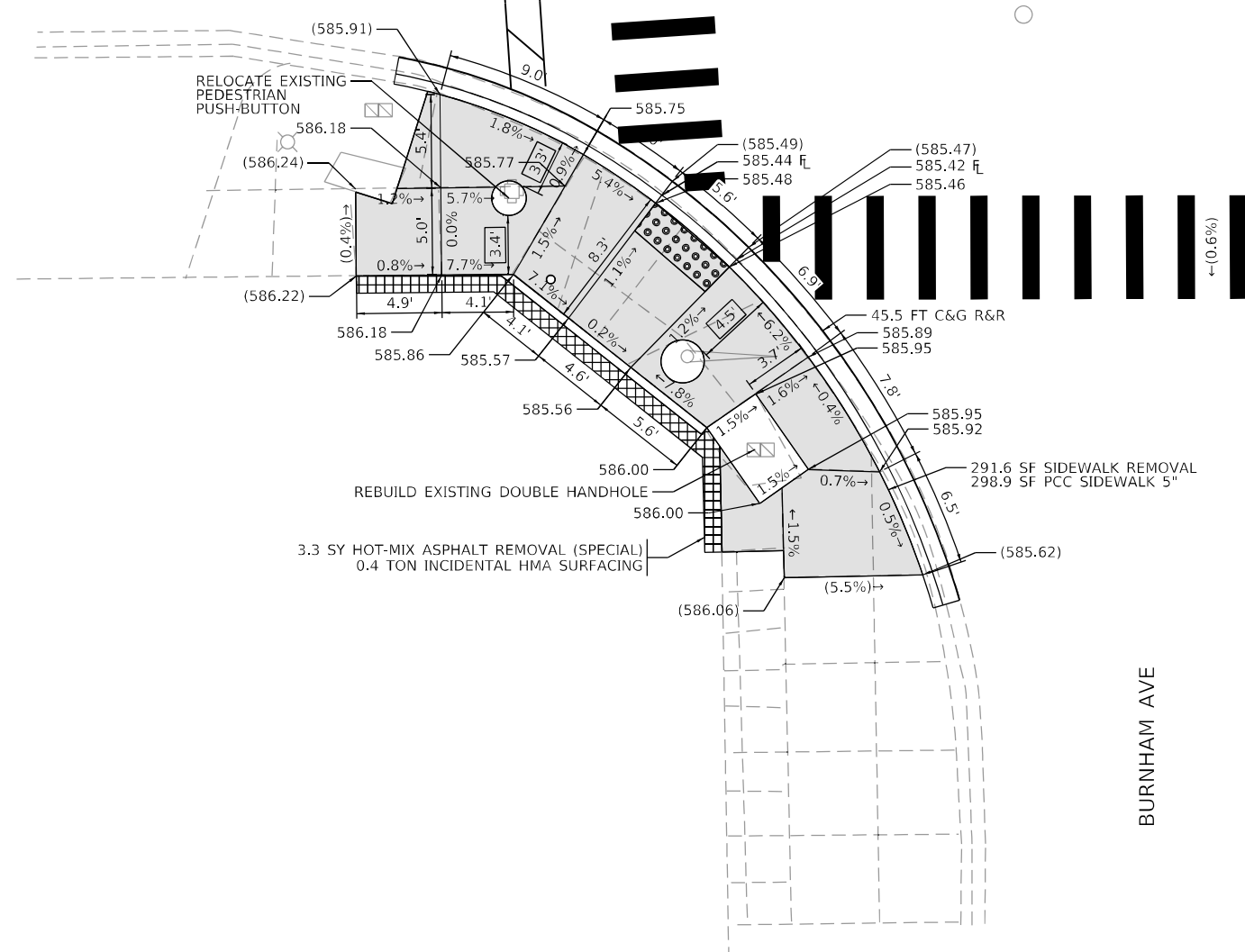
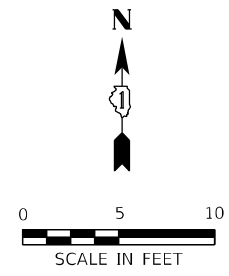
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - WILSON AVE
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

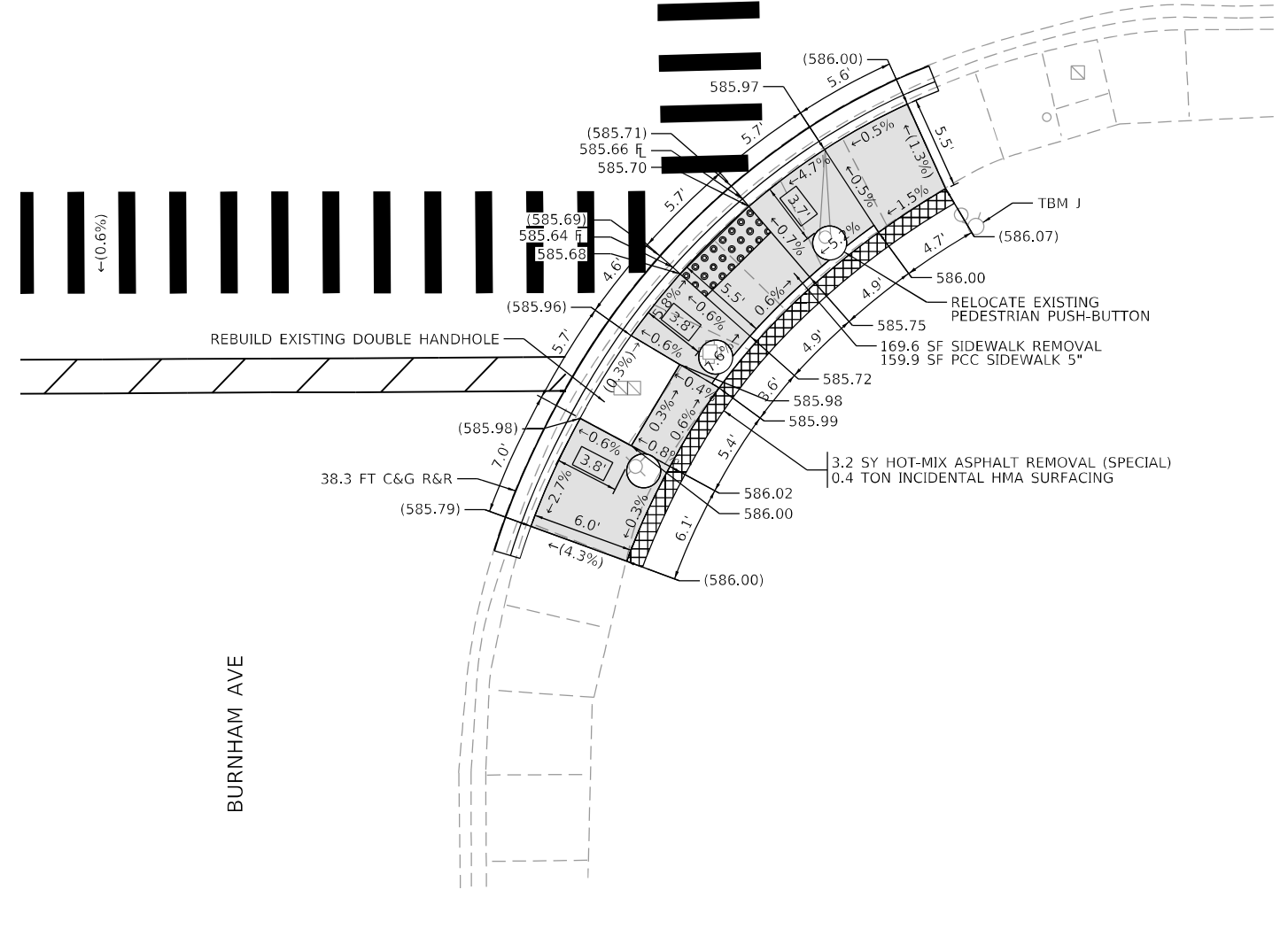
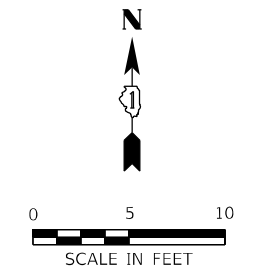
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	39
CONTRACT NO. 62P16				
ILLINOIS FED. AID PROJECT F29U(690)				

SIBLEY BLVD



BURNHAM AVE

SIBLEY BLVD



BURNHAM AVE

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM J
 CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND SIBLEY BLVD
 ELEVATION 587.94
 NORTHING 1806076.389
 EASTING 1201317.950

TBM J
 CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT AT SE CORNER OF BURNHAM AVE AND SIBLEY BLVD
 ELEVATION 587.94
 NORTHING 1806076.389
 EASTING 1201317.950



USER NAME = jschumann	DESIGNED - DW	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

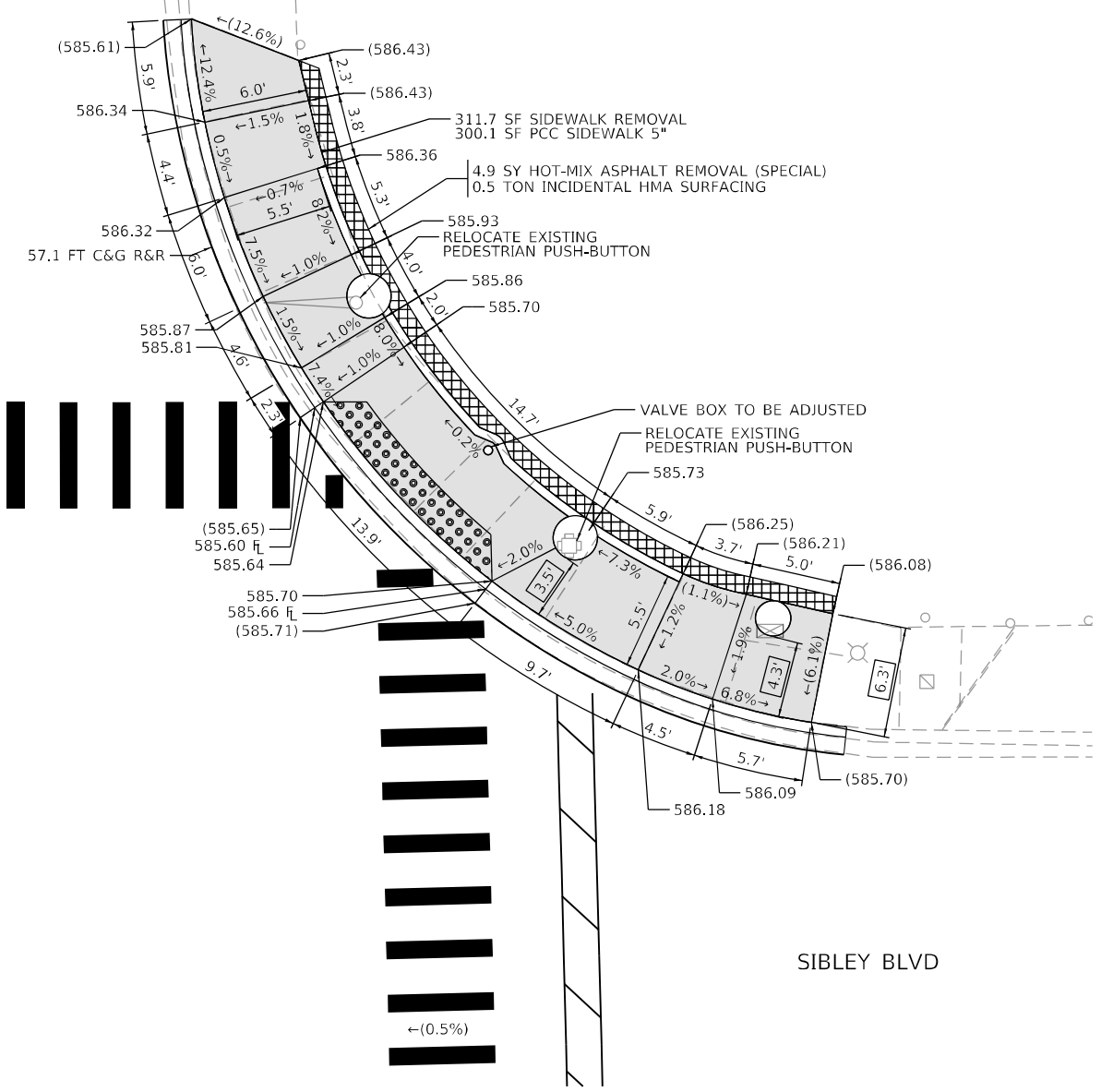
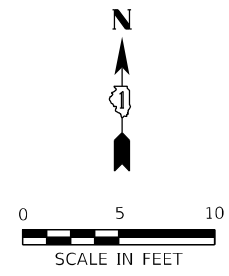
**ADA CURB RAMP DETAILS - SIBLEY BLVD
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

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2943	2021-079-R5&SW	COOK	72	40
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

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BURNHAM AVE



LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

TBM J
 CHISELED 'X' ON TOP OF SOUTH BOLT OF FIRE HYDRANT
 AT SE CORNER OF BURNHAM AVE AND SIBLEY BLVD
 ELEVATION 587.94
 NORTHING 1806076.389
 EASTING 1201317.950

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS – SIBLEY BLVD
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

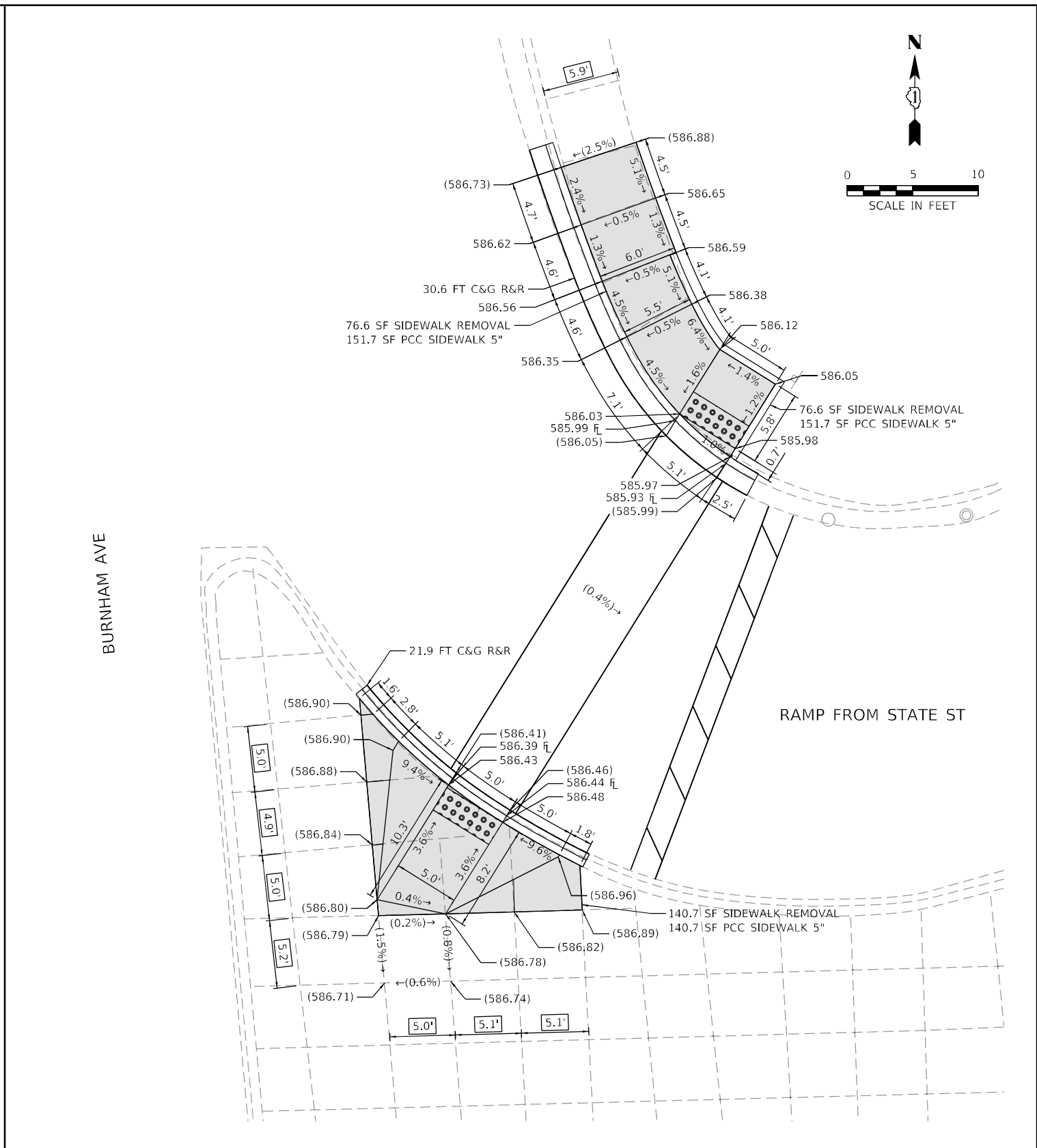
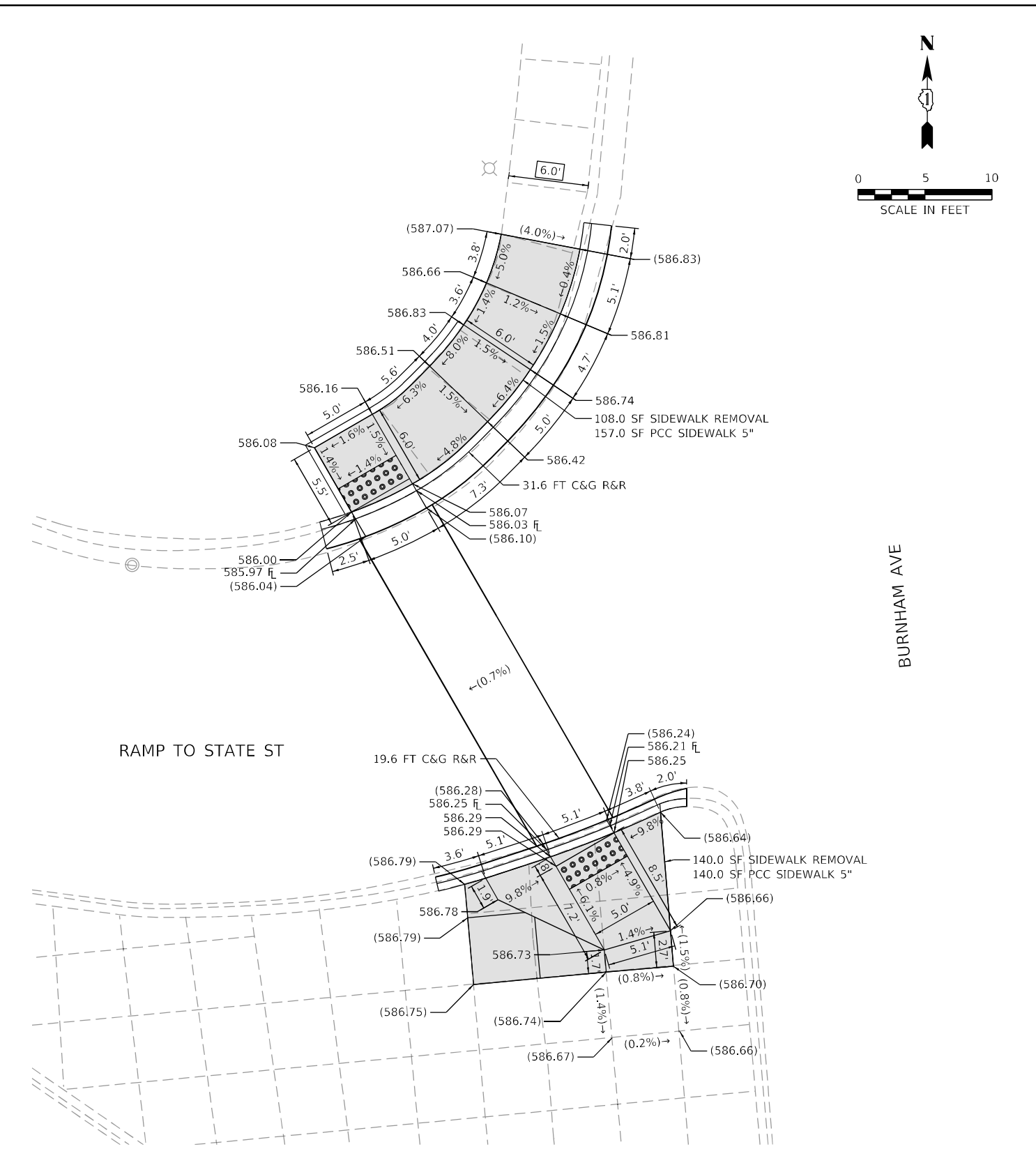


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SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	41
CONTRACT NO.				62P16
ILLINOIS FED. AID PROJECT F29U(690)				

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TBM T
 TOP OF SOUTH BOLT OF FIRE HYDRANT ON ISLAND EAST OF BURNHAM AVE
 ELEVATION 588.66
 NORTHING 1806804.709
 EASTING 1201289.647

LEGEND

<p>XX.X' EXISTING LENGTH</p> <p>() EXISTING ELEVATION/SLOPE</p> <p> PROPOSED SIDE CURB</p>	<p> PROPOSED SIDEWALK</p> <p>•••• DETECTABLE WARNINGS</p>	<p>X X X SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD</p> <p>A S P H A L T HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING</p>
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TBM T
 TOP OF SOUTH BOLT OF FIRE HYDRANT ON ISLAND EAST OF BURNHAM AVE
 ELEVATION 588.66
 NORTHING 1806804.709
 EASTING 1201289.647



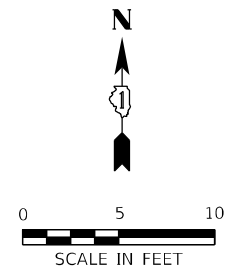
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

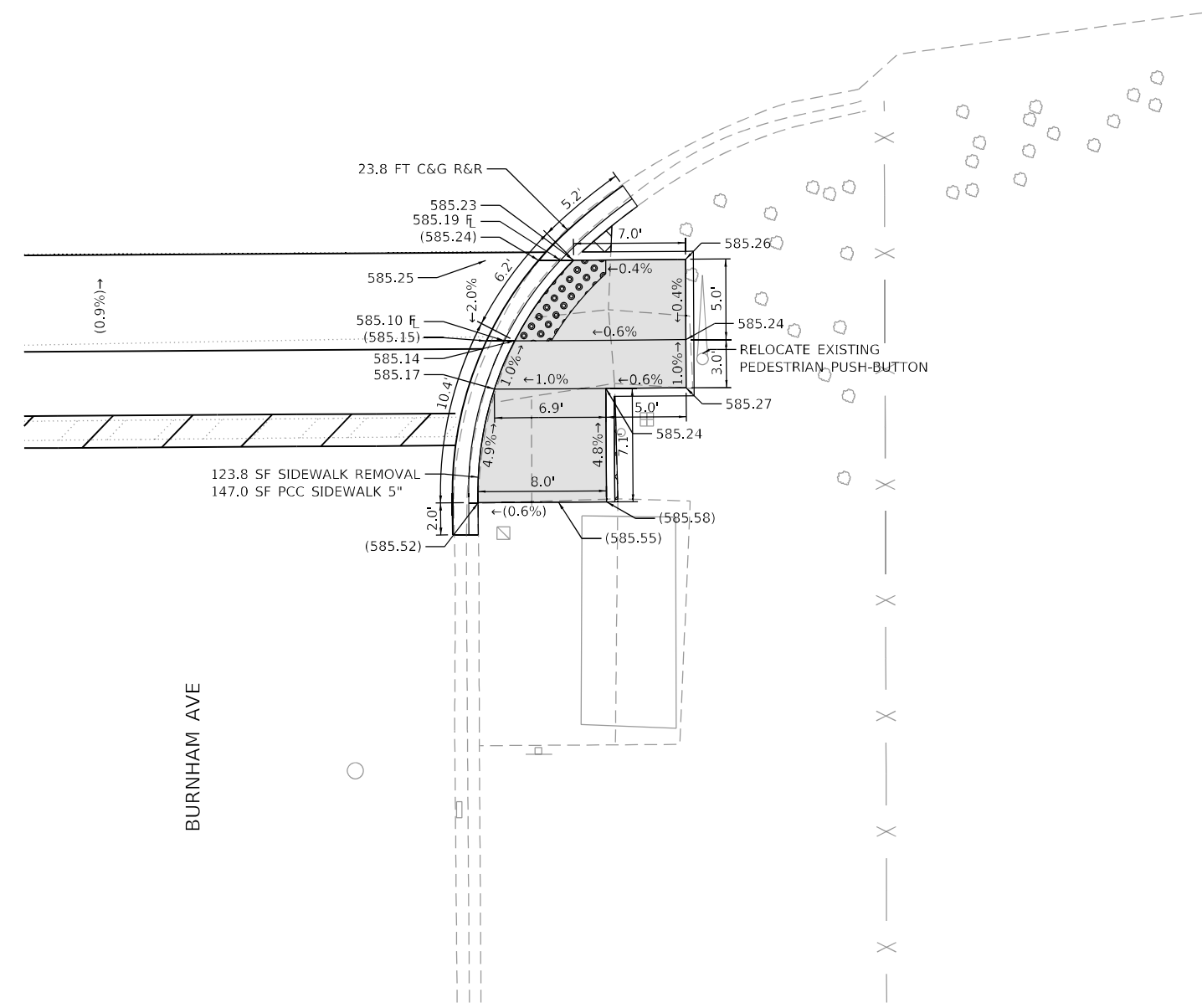
**ADA CURB RAMP DETAILS - STATE ST RAMPS
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	43
CONTRACT NO.				62P16



142ND ST



BURNHAM AVE

TBM R
 SQUARE CUT ON TOP OF SW EDGE OF TRAFFIC CONTROL FOUNDATION
 AT SW CORNER OF BURNHAM AVE AND 142ND ST
 ELEVATION 586.49
 NORTHING 1811360.010
 EASTING 1201175.851

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING

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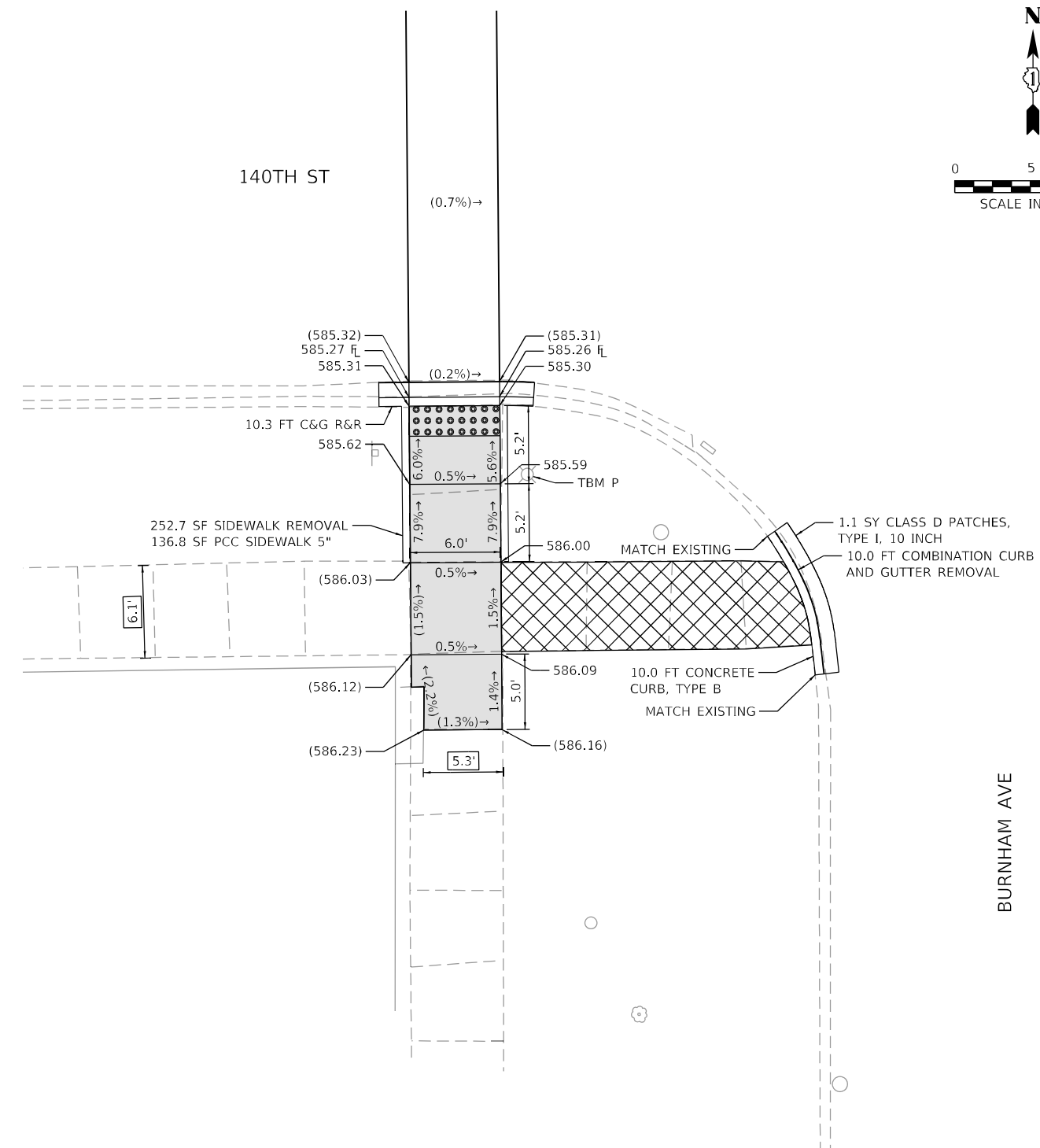
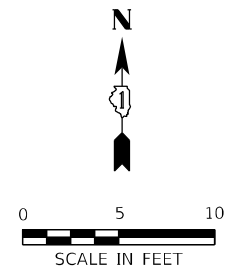
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 142ND ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	44
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



BURNHAM AVE

TBM P
 TOP OF RAILROAD SPIKE SET IN EAST FACE OF POWER POLE
 AT SW CORNER OF BURNHAM AVE AND 140TH ST
 ELEVATION 586.31
 NORTHING 1812716.565
 EASTING 1201168.680

LEGEND

- XX.X' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL, REPLACE WITH TOPSOIL & SOD
- HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL), REPLACE WITH INCIDENTAL HOT-MIX ASPHALT SURFACING



USER NAME = jschumann	DESIGNED - DW	REVISED -
PLOT SCALE = 10,0000 ' / in.	DRAWN - DW	REVISED -
PLOT DATE = 10/26/2021	CHECKED - AB	REVISED -
	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAILS - 140TH ST
 BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

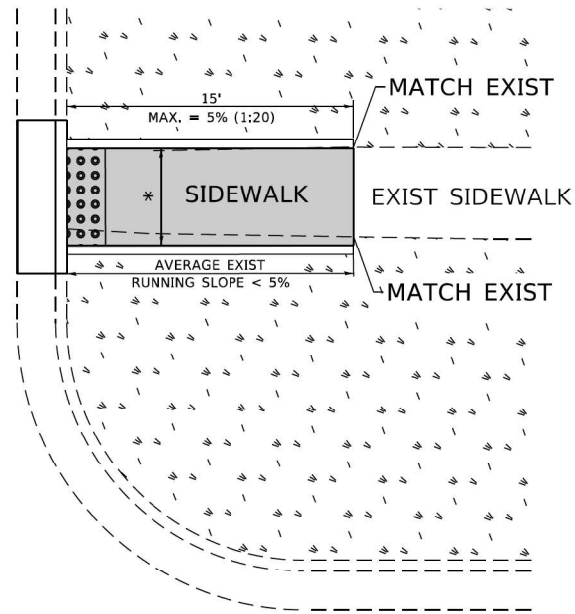
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

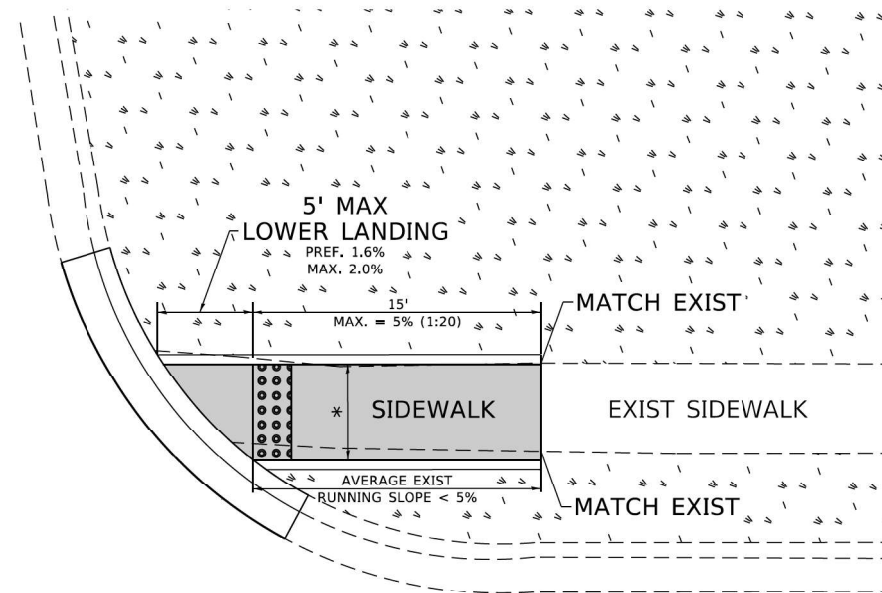
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ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

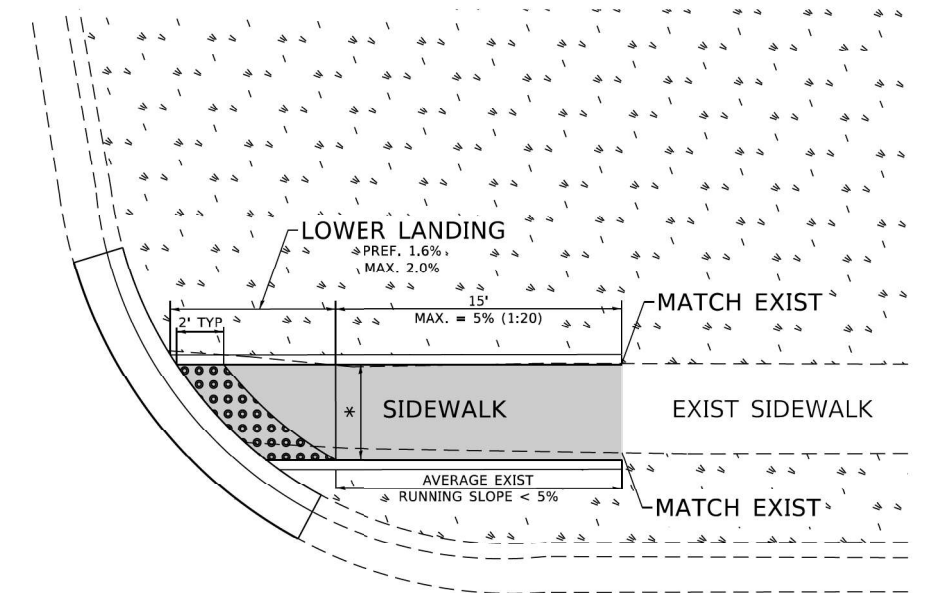
PD-01A



PD-01B



PD-01C



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-01
FILE: M:\MIS-GIS\Engineering\UwProjects\30095 IDOT DUBUOUG 16 - 62P16\CADD\CADD Sheets\Civil\162P16-shr-ADA-Project_30095.dgn

USER NAME =	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
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PLOT DATE =	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

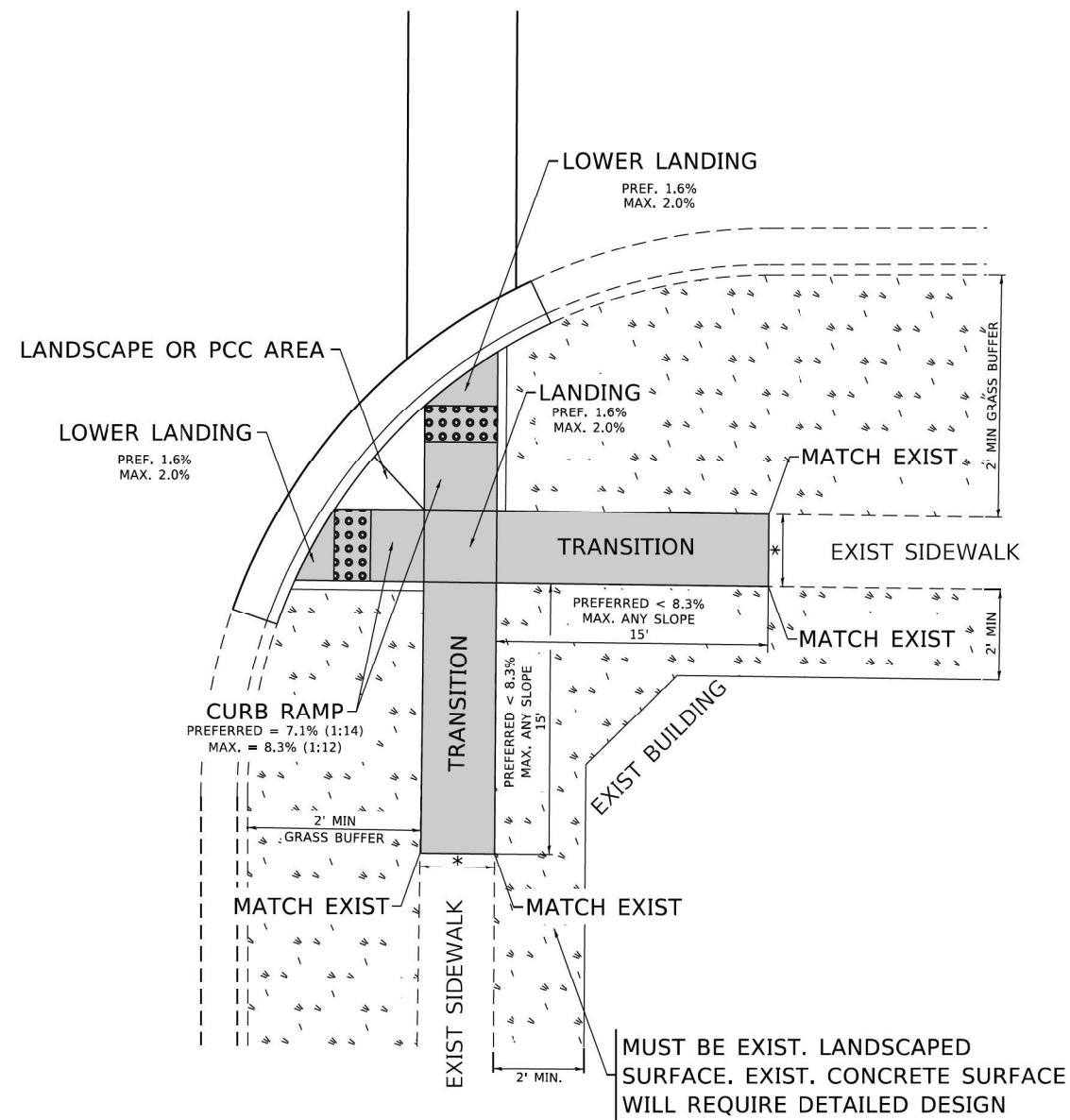
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

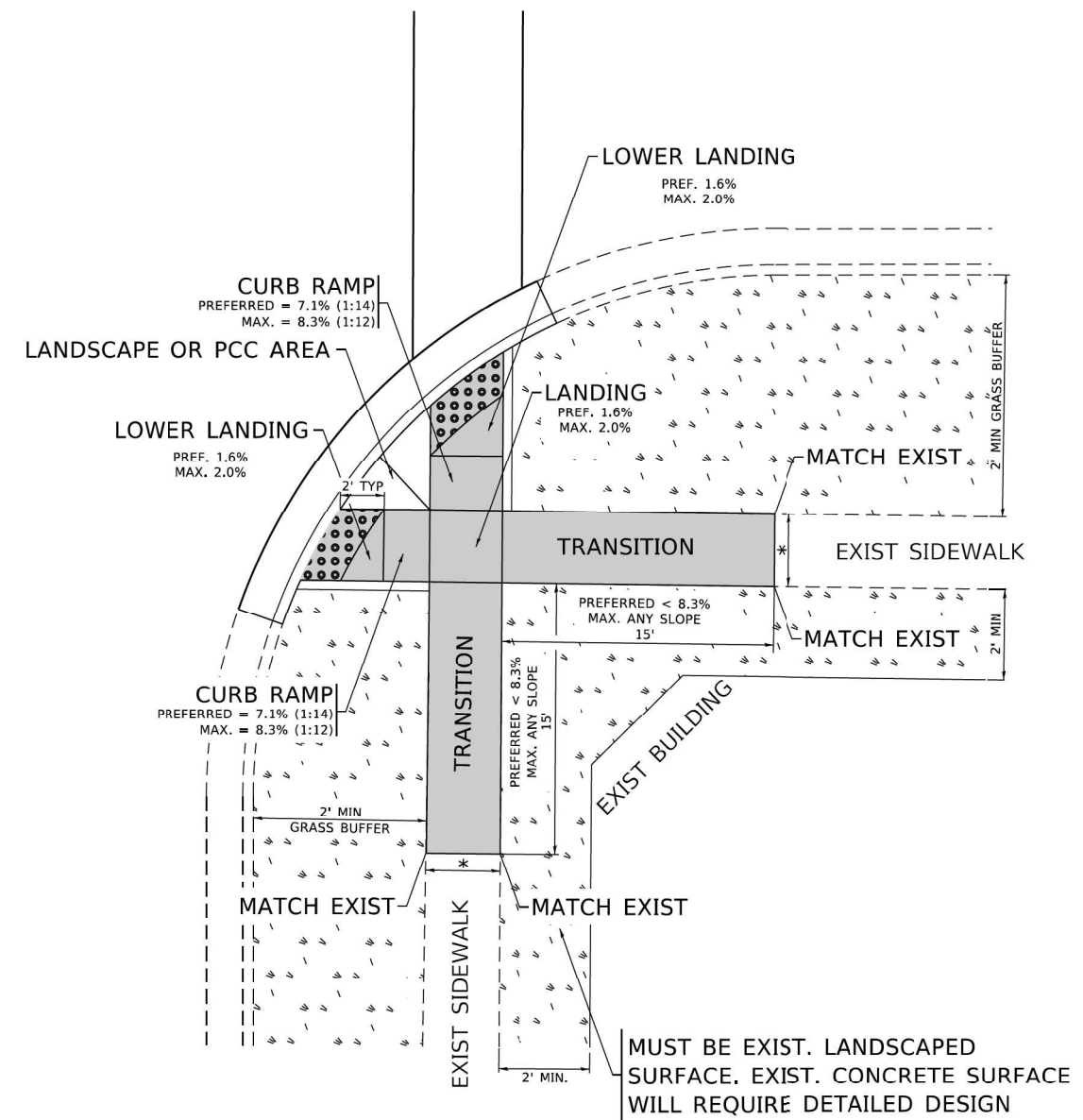
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2943	2021-079-R5&SW	COOK	72	47
PD-01		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-03
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USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

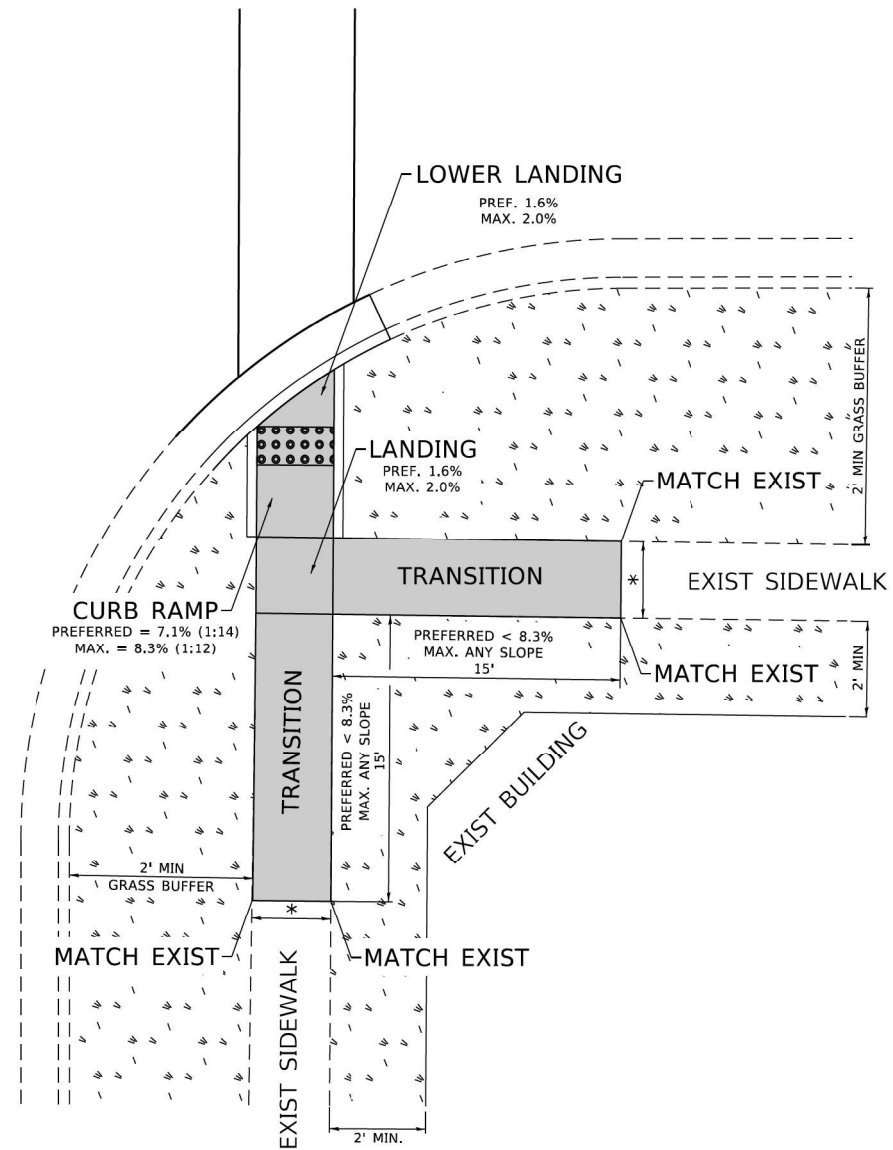
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

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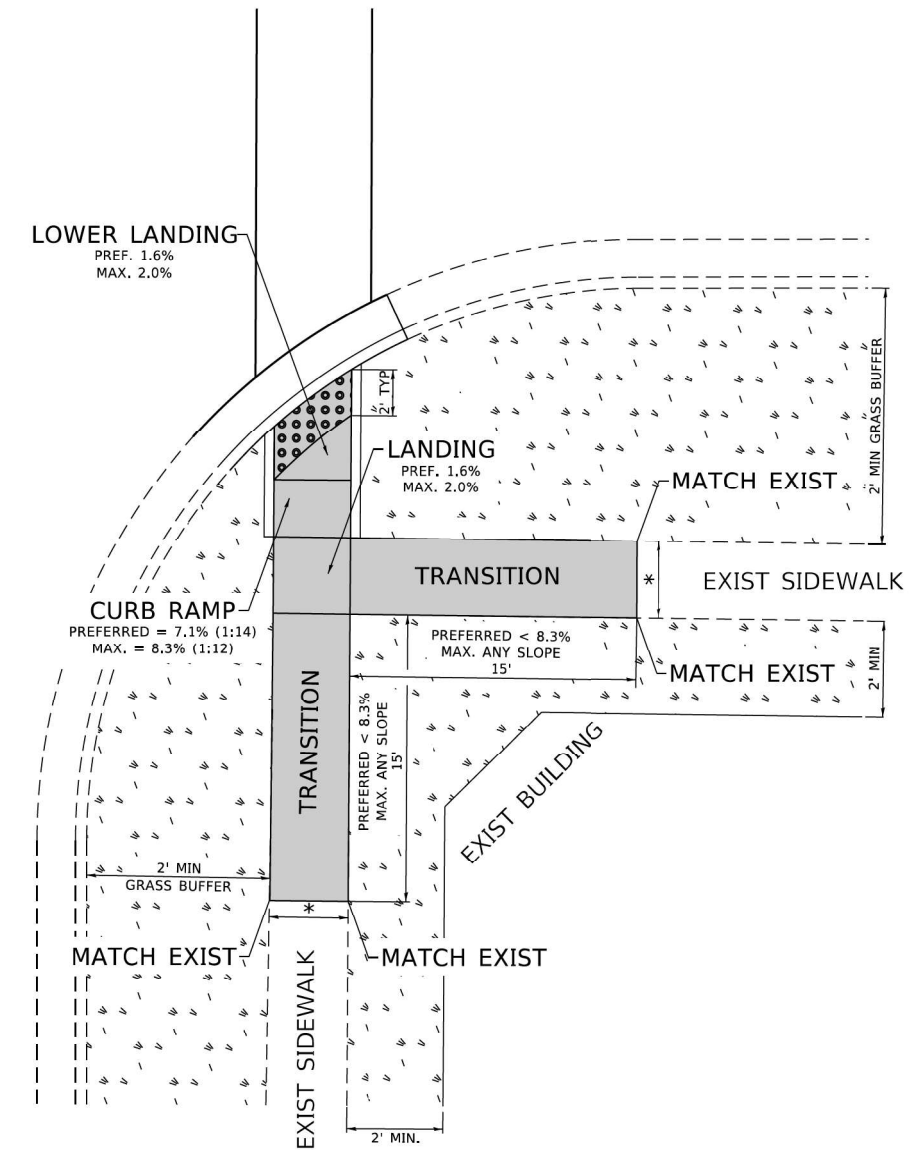
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2943	2021-079-R5&SW	COOK	72	48
PD-03		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-04
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USER NAME =	DESIGNED -	REVISED -
DRAWN - R. LEDEZMA	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE =	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

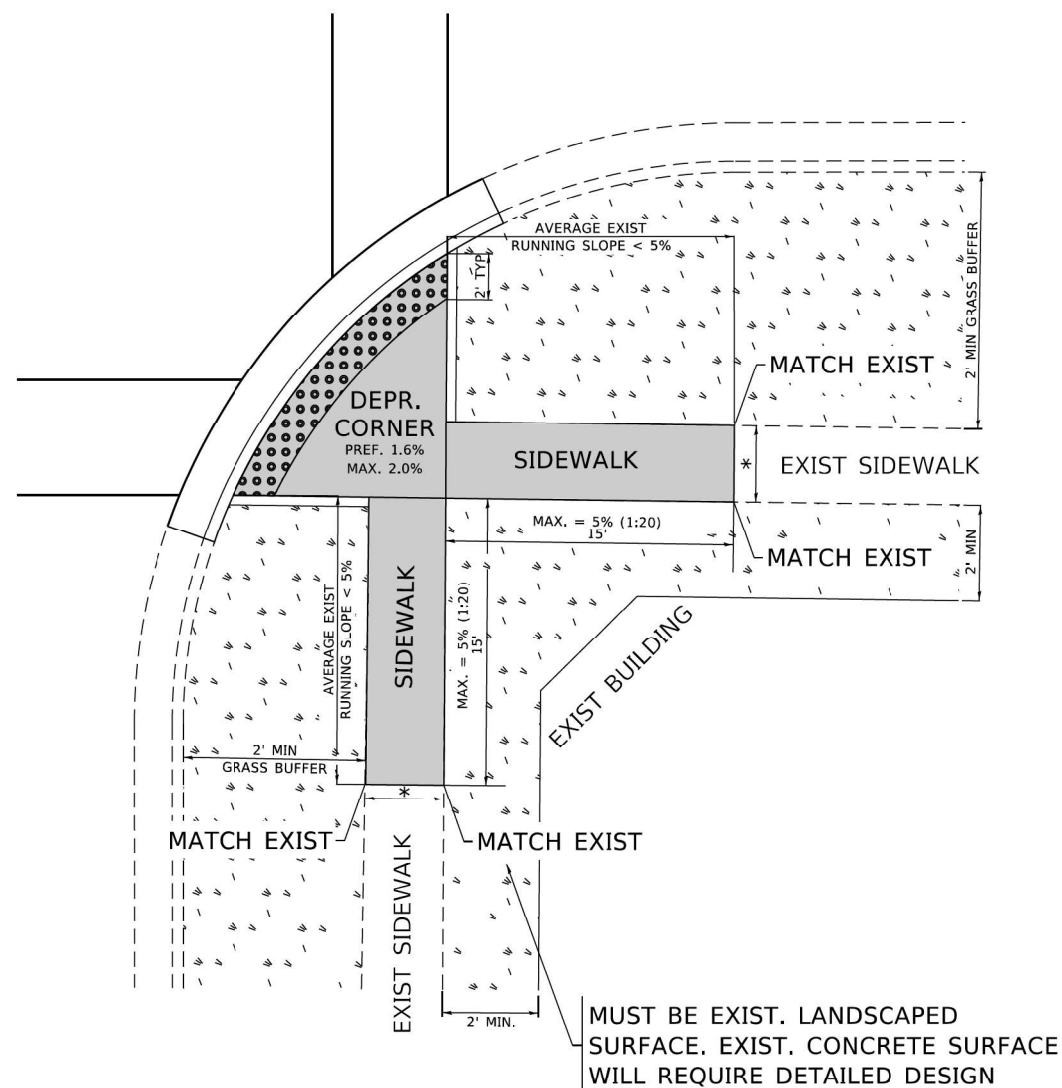
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)**

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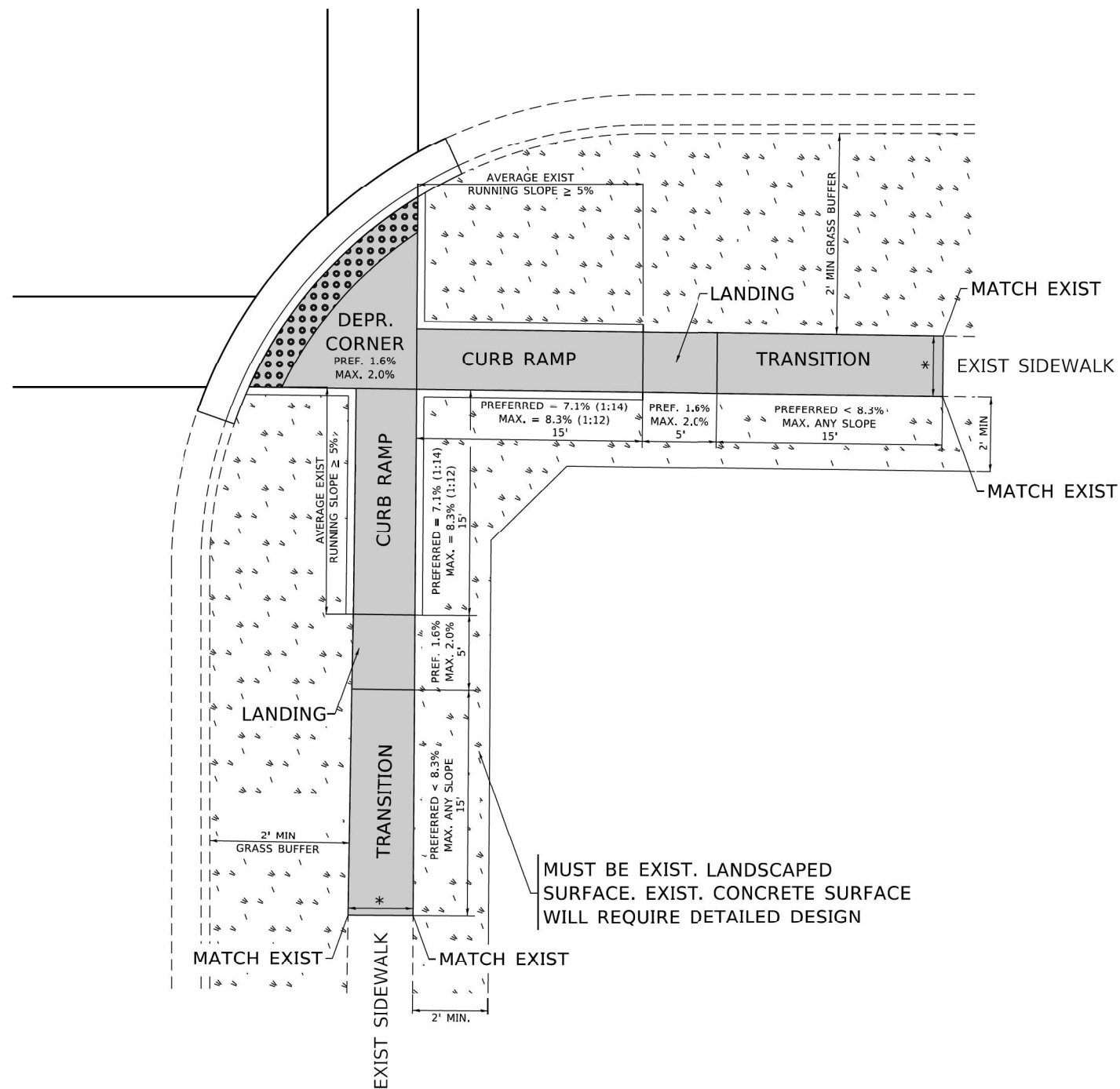
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2943	2021-079-R5&SW	COOK	72	49
PD-04		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-05
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DRAWN - R. LEDEZMA	REVISED -	
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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

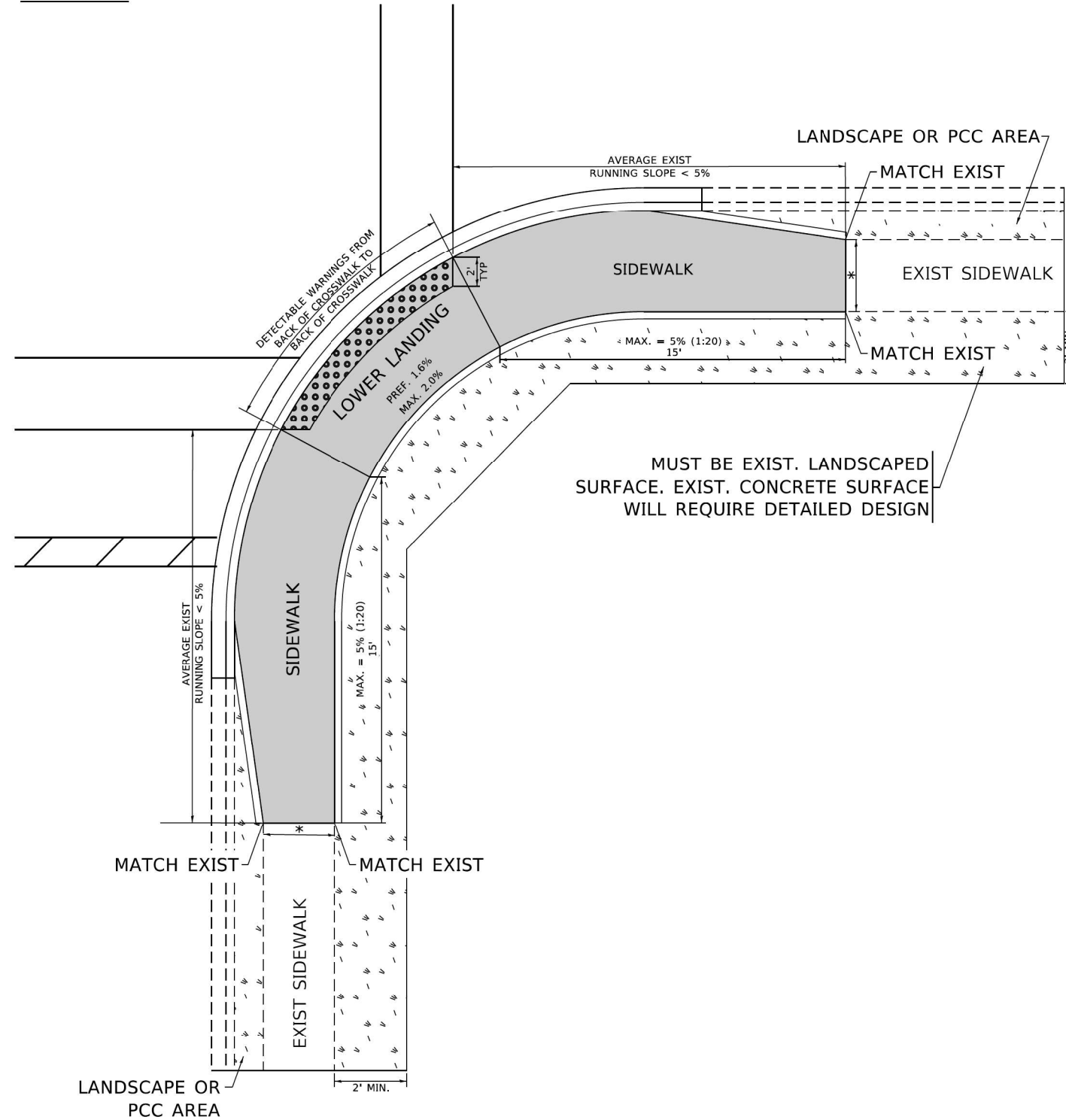
**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

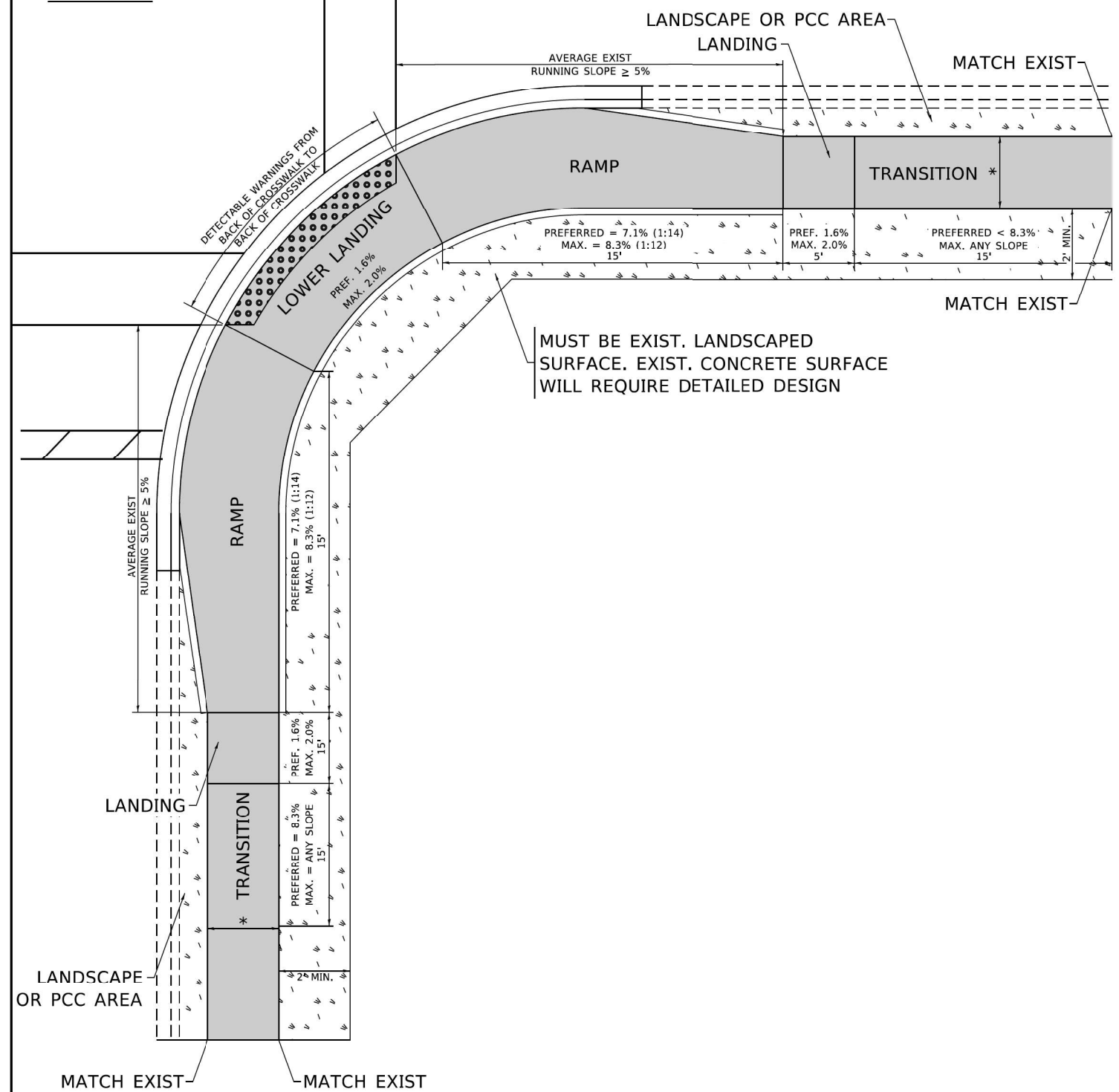
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	50
PD-05		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING


PD-06A



PD-06B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-06
FILE NAME: G:\Engineering\Iuor\Projects\30095 IDOT DUBUOIG 16 - 62P16\CADD\CADD Sheets\Civil\162P16-sh-ADA-Project_30095.dwg

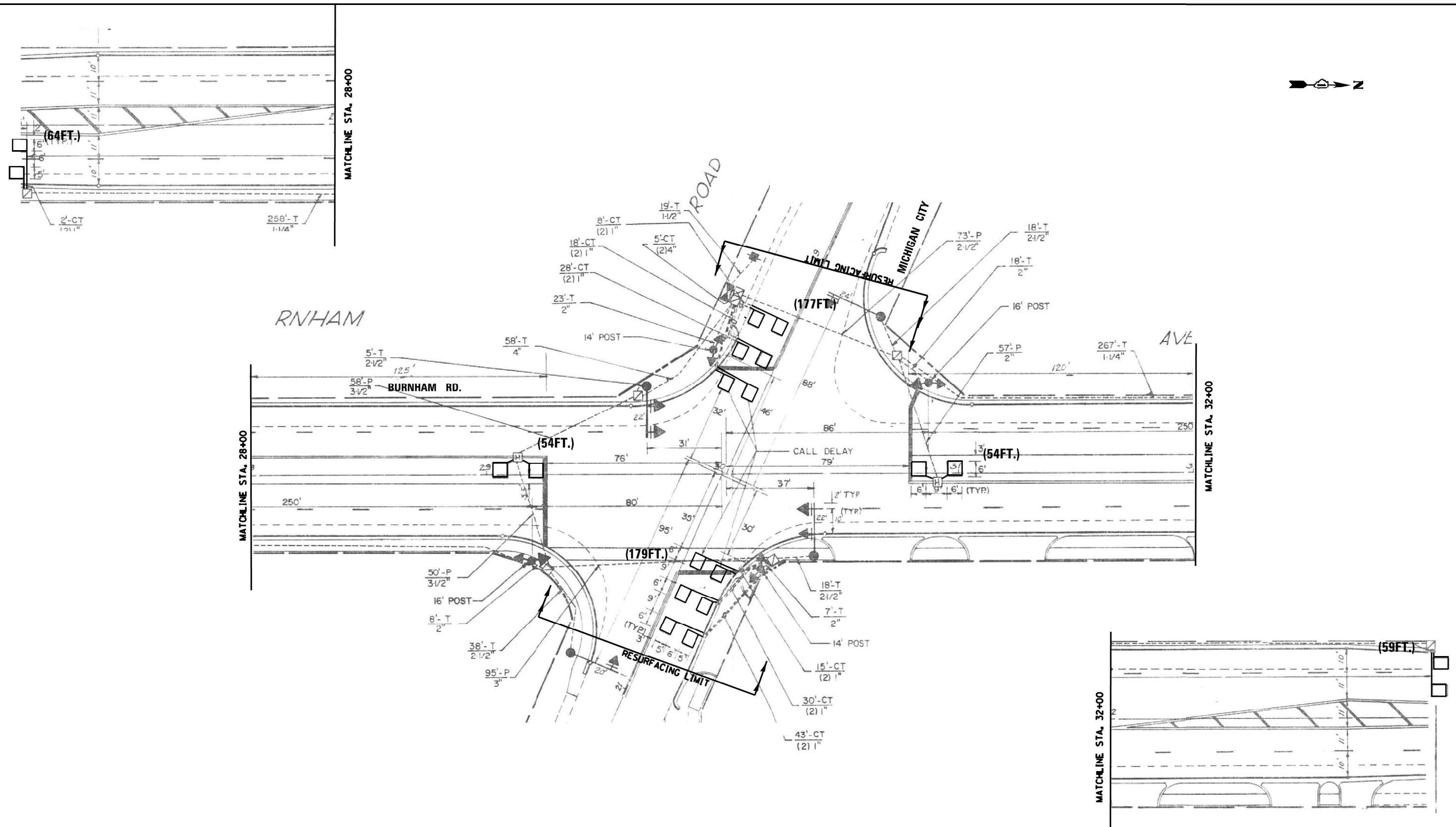
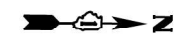
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PLOT DATE =	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	51
PD-06		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				



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)**

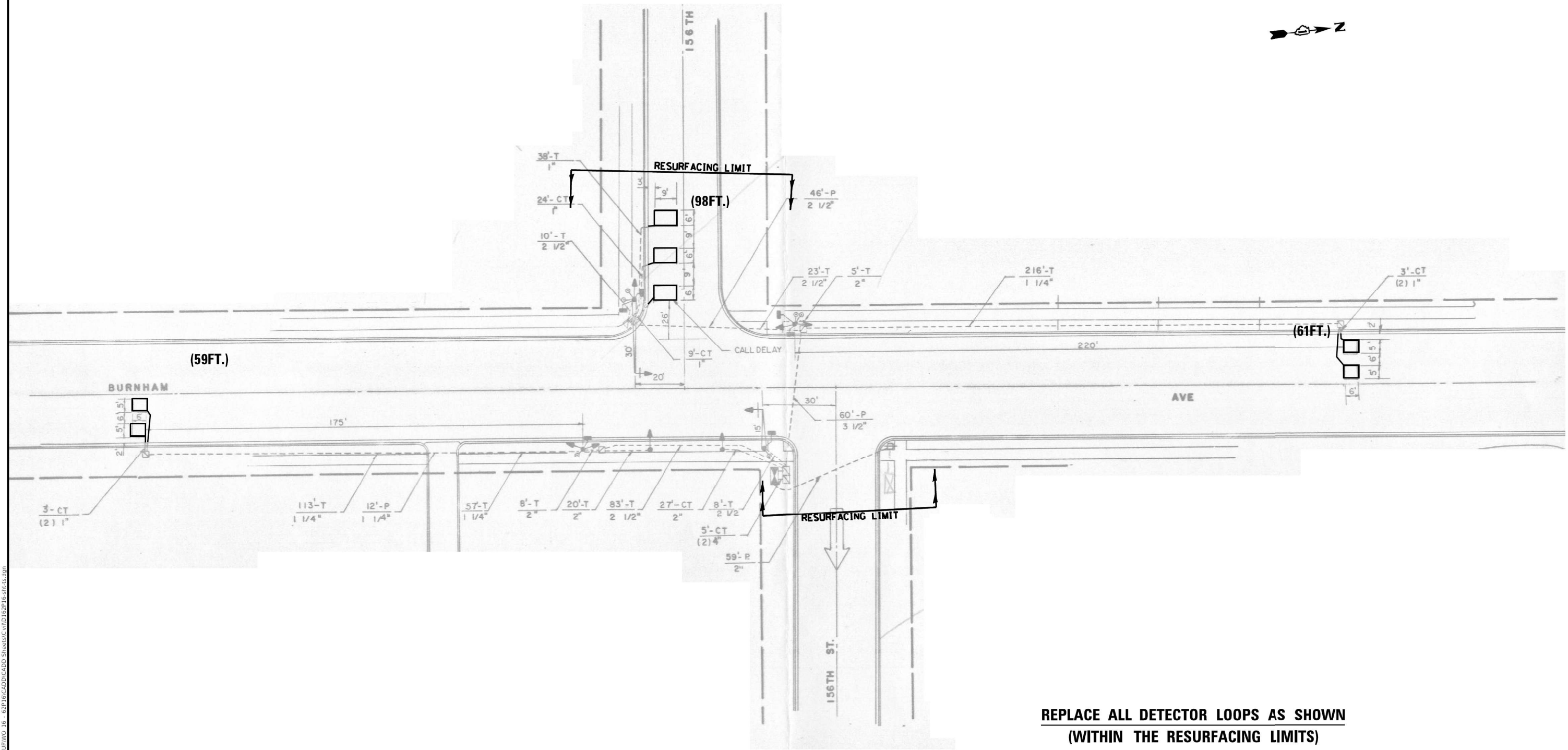
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88600600	DETECTOR LOOP REPLACEMENT	587	FOOT	TS#4425

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DETECTOR LOOP REPLACEMENT PLAN BURNHAM RD AT MICHIGAN CITY		F.A.P. RTE. 2943	SECTION 2021-079-R5&SW	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 52
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62P16	
							ILLINOIS FED. AID PROJECT F29U(690)	

MICHEL, Michigan
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PLOT DATE = 7/6/2021	DATE -		REVISED -

MICHELLE 156TH
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**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

NOTES:

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

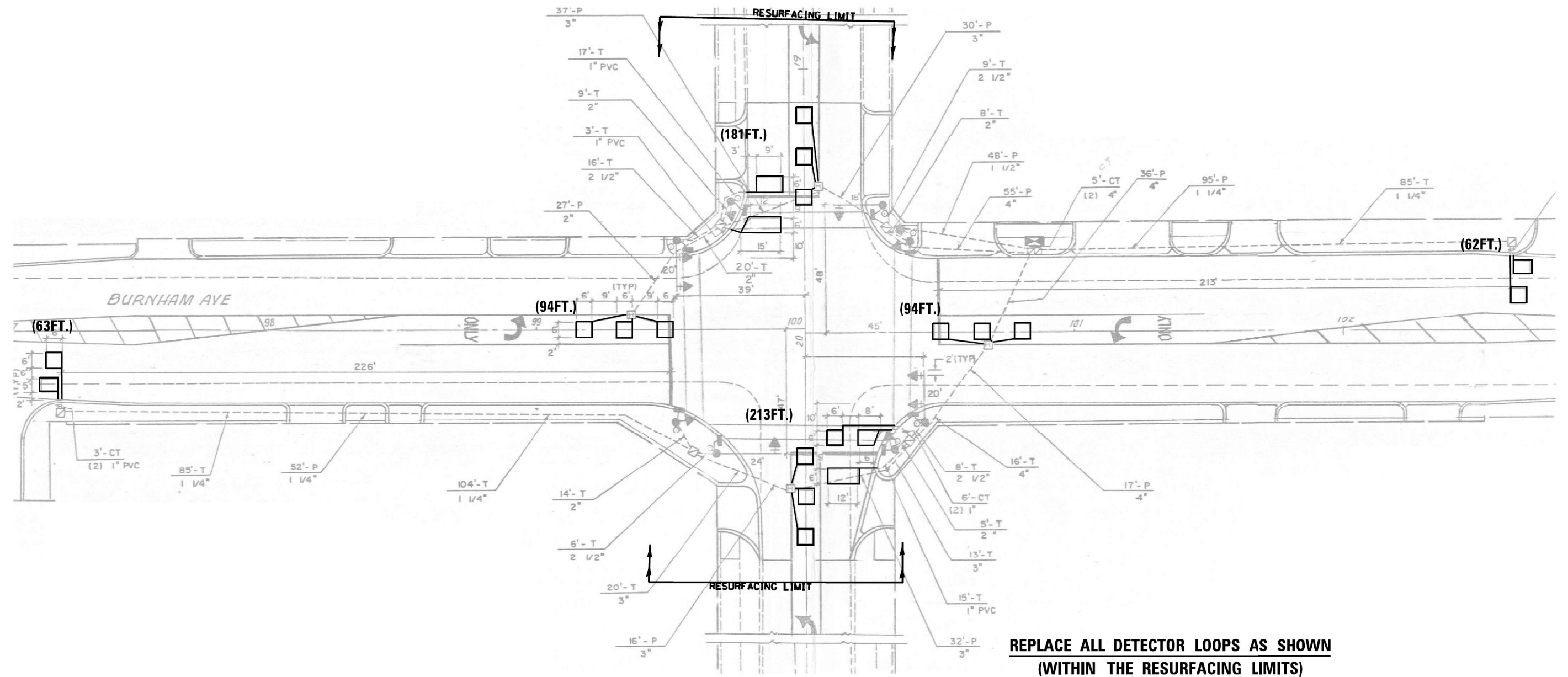
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88600600	DETECTOR LOOP REPLACEMENT	218	FOOT	TS#4415

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	PLOT DATE = 7/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
BURNHAM RD AT 156TH ST			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	53
ILLINOIS FED. AID PROJECT F29U(690)			CONTRACT NO. 62P16	



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

NOTES:

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

CODE	ITEM	QUANTITY	UNIT	
88600600	DETECTOR LOOP REPLACEMENT	707	FOOT	TS#4430

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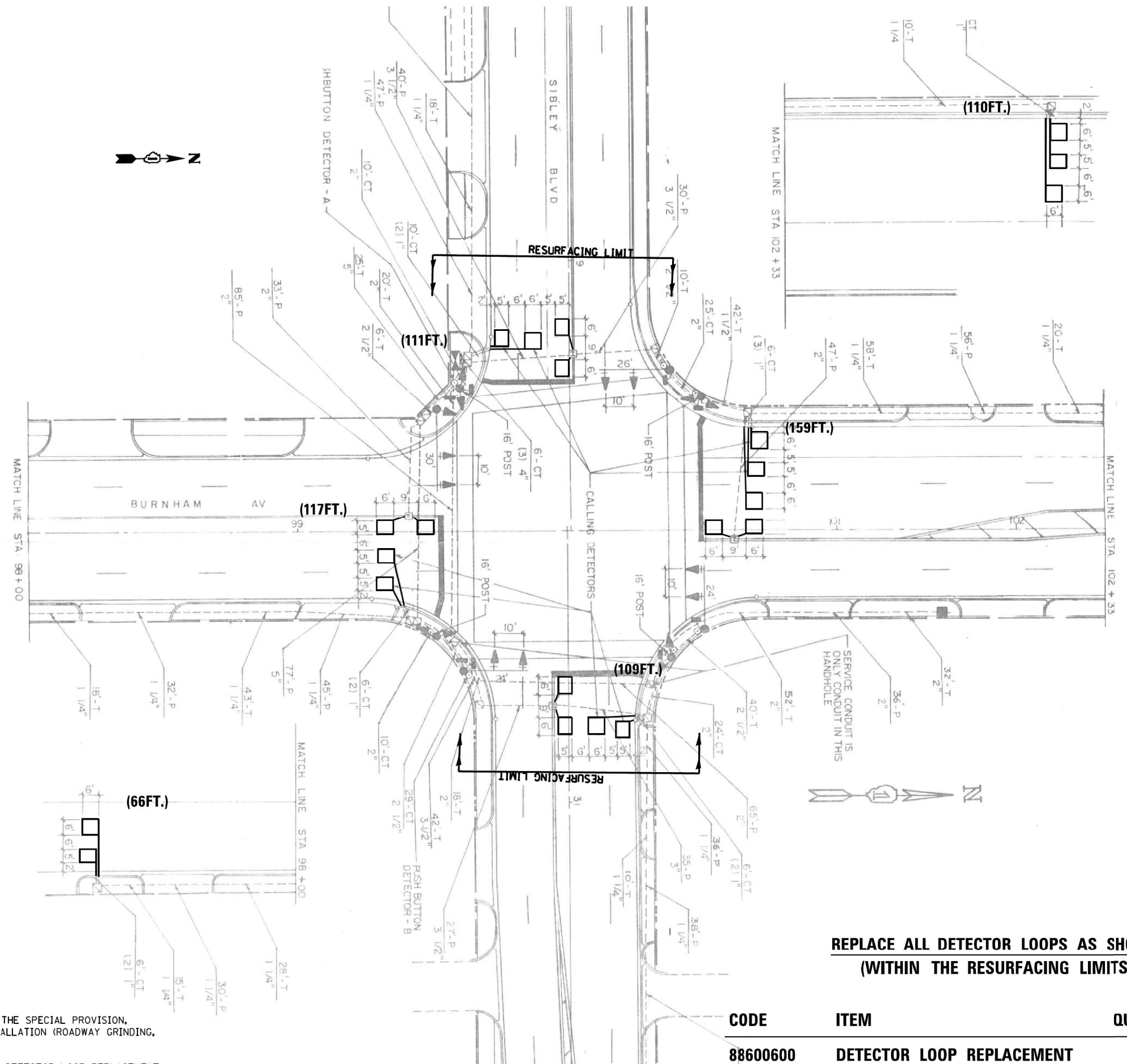
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
BURNHAM RD AT PULASKI RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	54
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

MODEL: Burnham
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 PROJECT: Burnham Rd (Brainard Ave to 159th St)\Burnham Rd to 159th St.dgn
 SHEET: 54 of 72



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

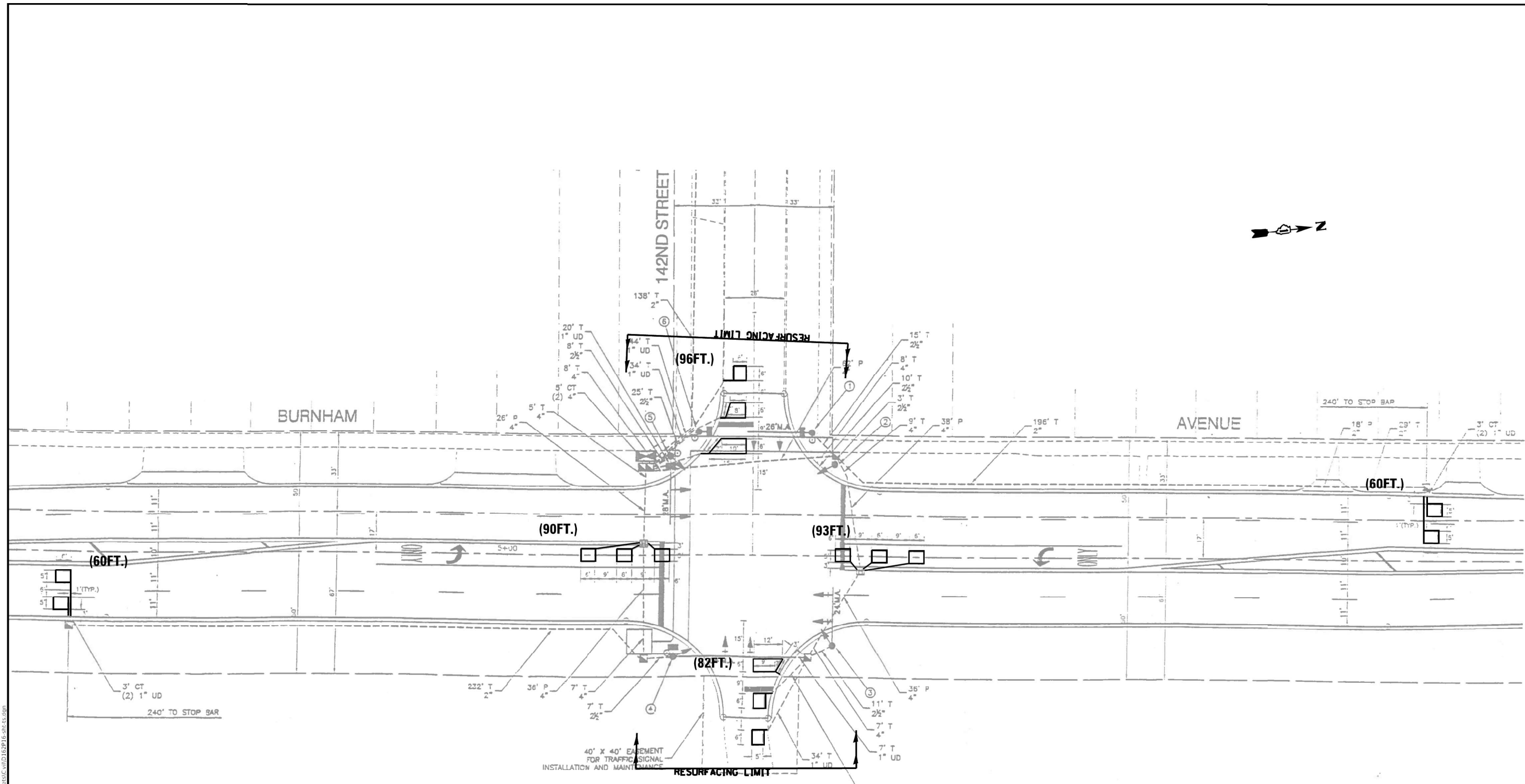
NOTES:

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

CODE	ITEM	QUANTITY	UNIT	
88600600	DETECTOR LOOP REPLACEMENT	672	FOOT	TS#4435

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	SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT F29U(690)			

MICHEL_Sibby
 Engineering\Users\Projects\20095 IDOT DUAR\16 - 62P16\CADD\CADD Sheets\Civil\62P16-sh1.dgn



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

NOTES:

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

CODE	ITEM	QUANTITY	UNIT	
88600600	DETECTOR LOOP REPLACEMENT	351	FOOT	TS#4222

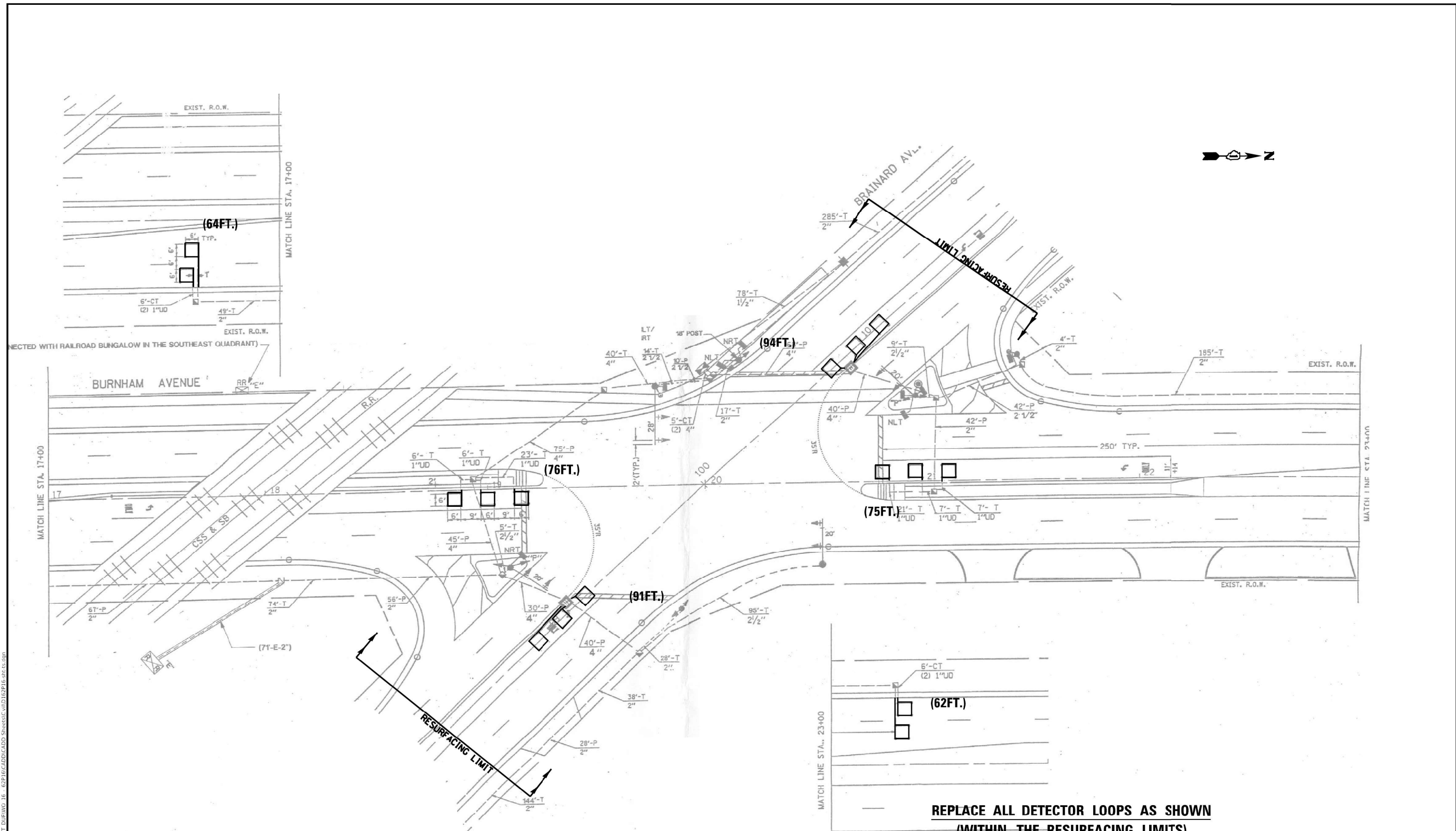
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PLOT SCALE = 48,0000 sf / in.	CHECKED -		REVISED -
PLOT DATE = 7/7/2021	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN BURNHAM RD AT 142ND ST			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	56
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

MODEL: 12710
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 62P16\CADD\CADD Sheets\142ND ST\62P16-sh1.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	462	FOOT

TS#4220

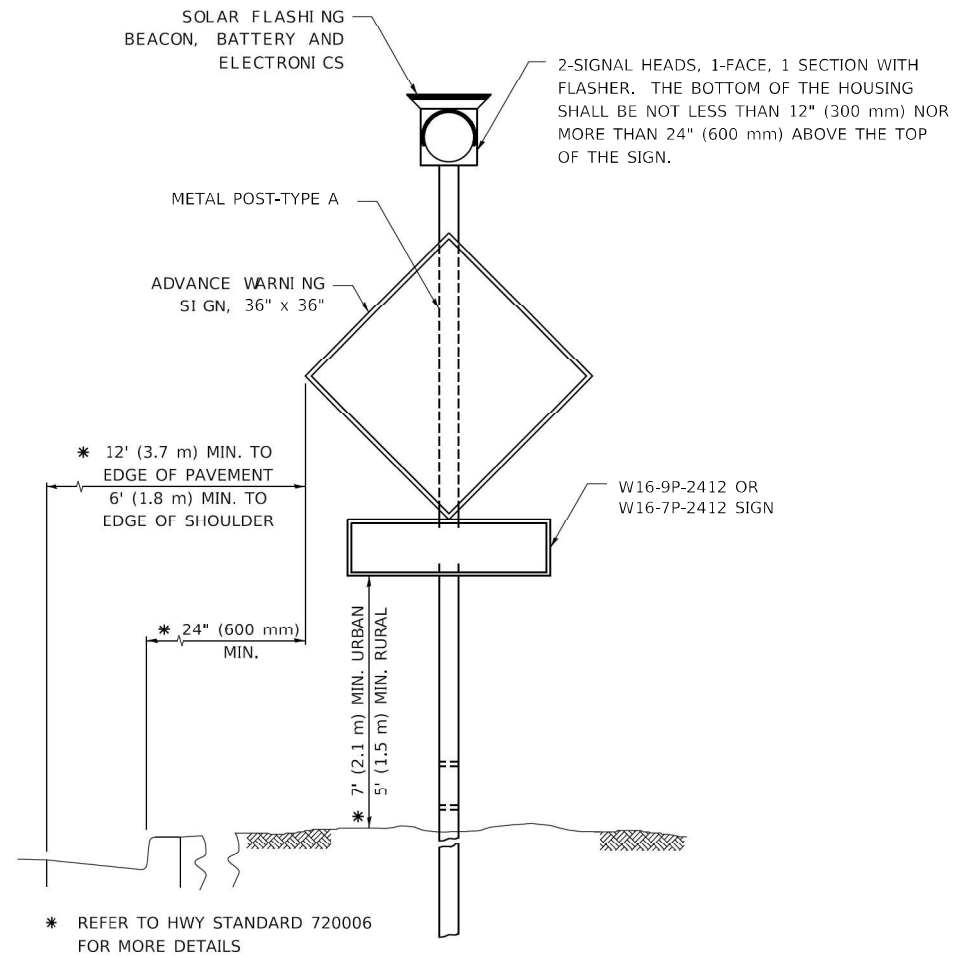
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	PLOT DATE = 7/6/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
BURNHAM RD AT BRAINARD AVE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	57
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				

MODEL: Brainard
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SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)
(NOT TO SCALE)

MODEL: Default
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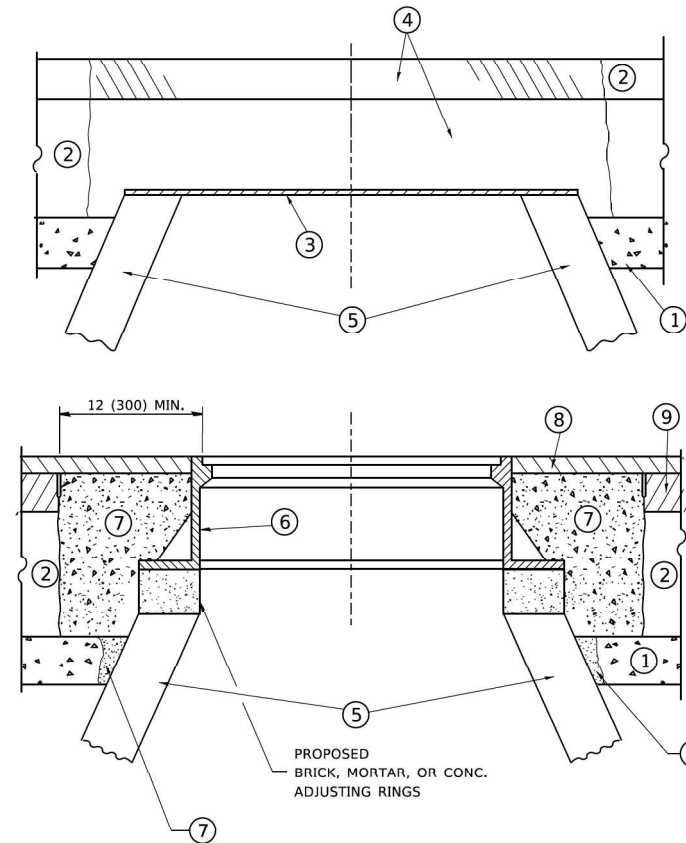
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	DRAWN -	REVISED -
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PLOT DATE = 11/12/2021	DATE - 10-08-2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOLAR-POWERED FLASHING BEACON (COMPLETE) INSTALLATION DETAILS
BURNHAM AVE RESURFACING & ADA IMPROVEMENTS**

SCALE: SHEET OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	58
CONTRACT NO.			62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



NOTES

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

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

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

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

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: BD-08
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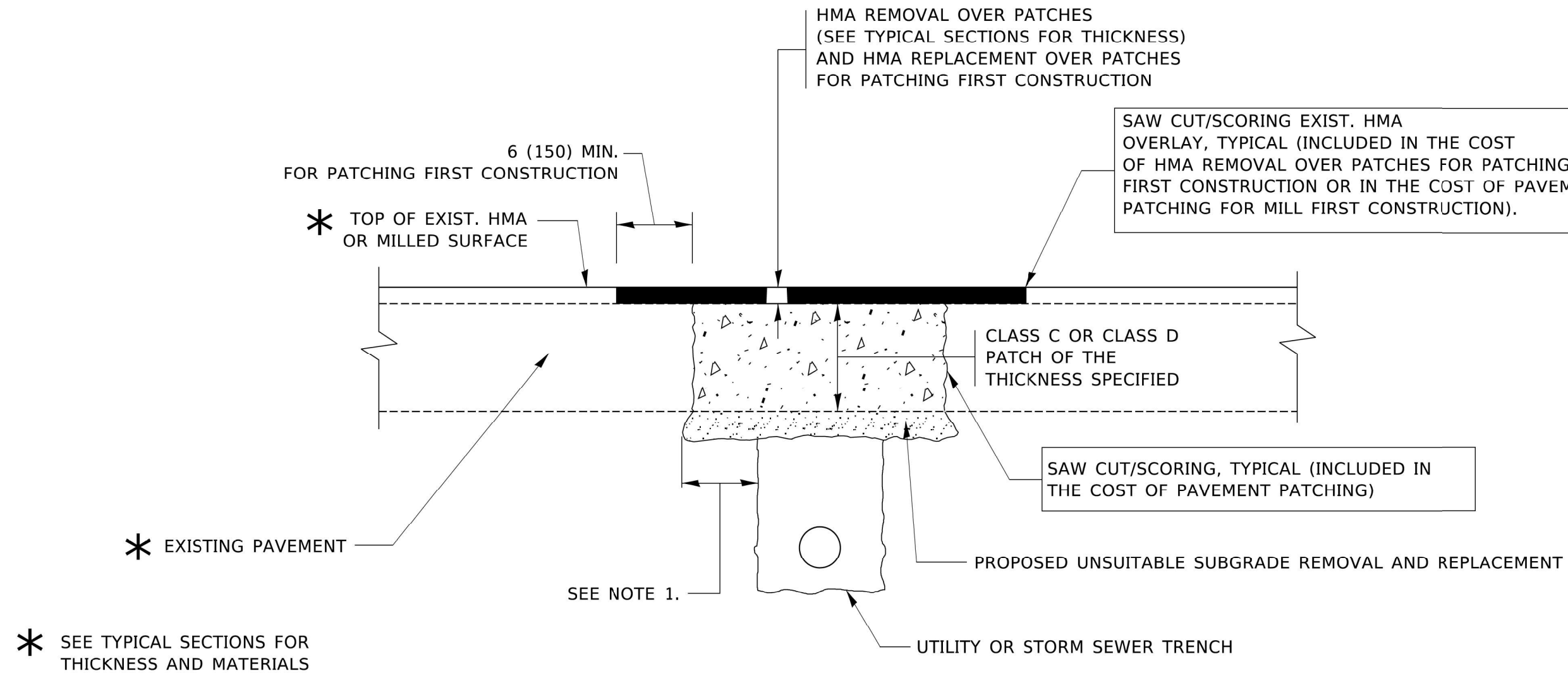
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	DRAWN -	REVISED - R. BORO 01-01-07
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	59
BD600-03 (BD-8)		CONTRACT NO.	62P16	
ILLINOIS		FED. AID PROJECT F29U(690)		



NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

MODEL: BD-22
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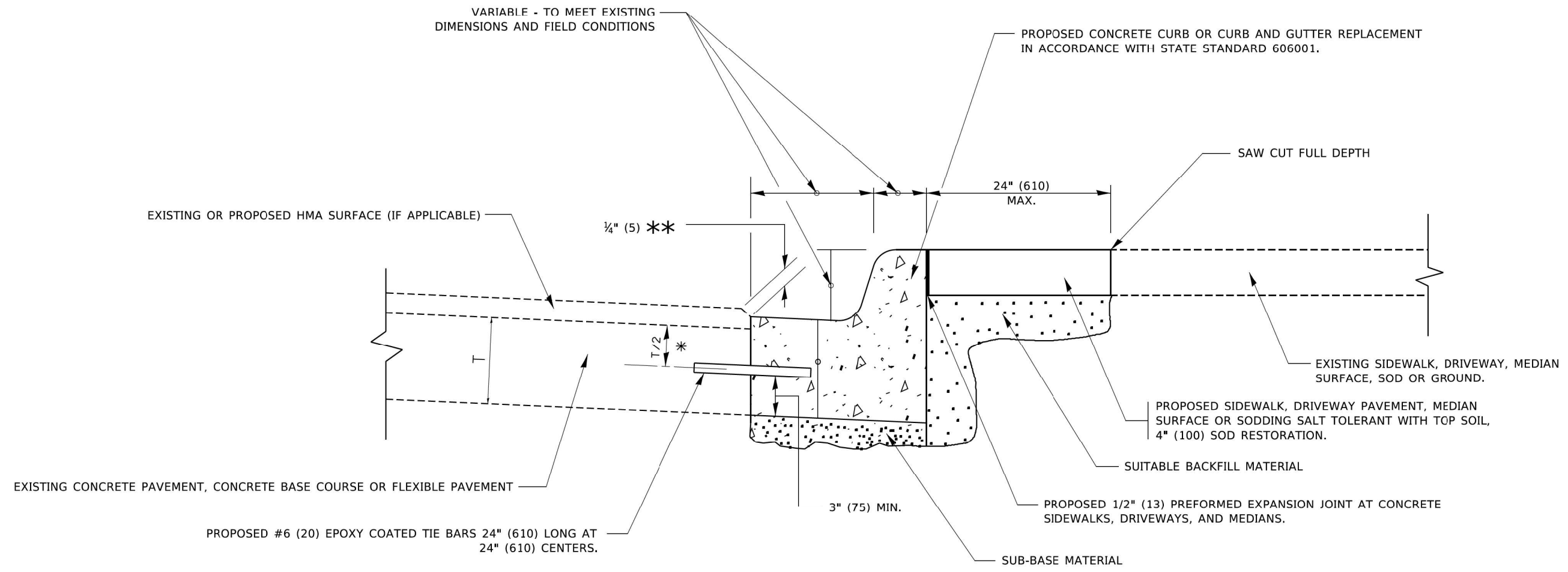
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	60
BD400-04 (BD-22)		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				



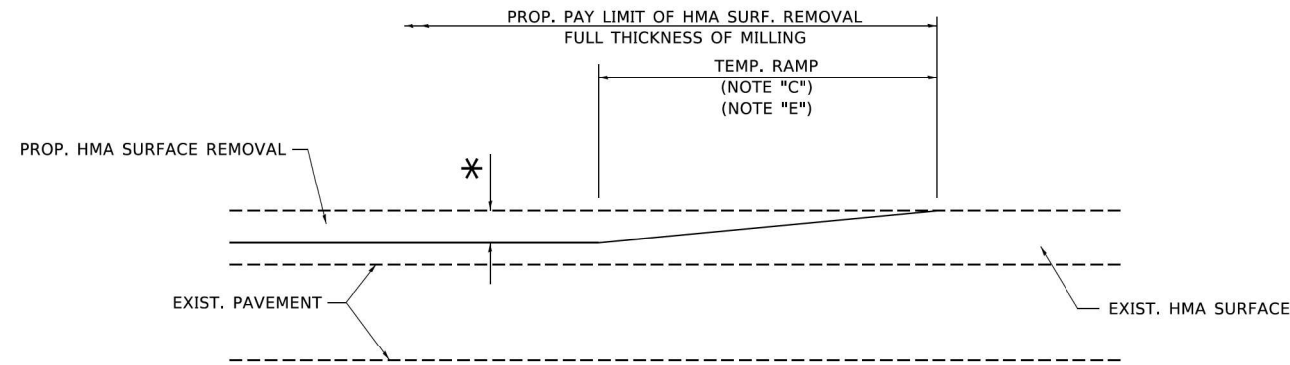
- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: BD-24
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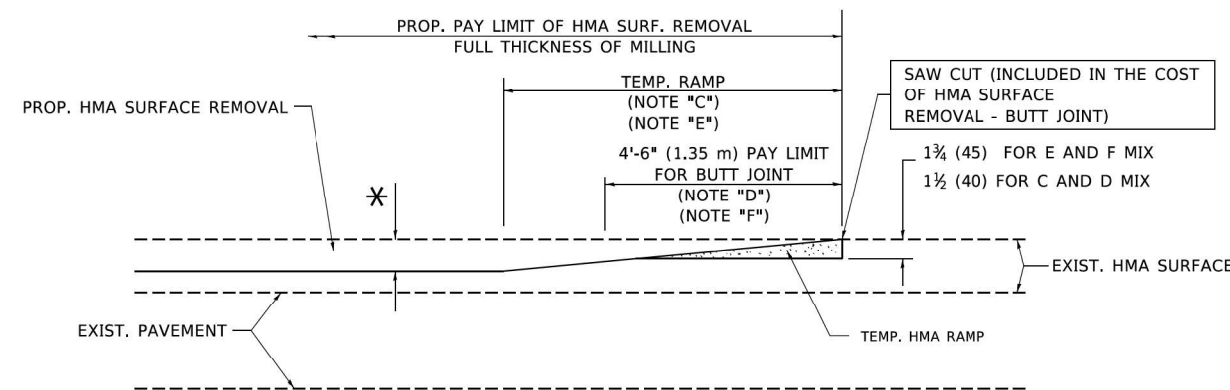
USER NAME = footemj PLOT SCALE = 50,0000 ' / ft. PLOT DATE = 7/11/2019	DESIGNED - A. HOUSEH DRAWN - CHECKED - DATE - 03-11-94	REVISED - A. ABBAS 03-21-97 REVISED - M. GOMEZ 01-22-01 REVISED - R. BORO 12-15-09 REVISED - K. SMITH 07-11-19	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">F.A.P. RTE.</td> <td style="font-size: small;">SECTION</td> <td style="font-size: small;">COUNTY</td> <td style="font-size: small;">TOTAL SHEETS</td> <td style="font-size: small;">SHEET NO.</td> </tr> <tr> <td style="text-align: center;">2943</td> <td style="text-align: center;">2021-079-R5&SW</td> <td style="text-align: center;">COOK</td> <td style="text-align: center;">72</td> <td style="text-align: center;">61</td> </tr> <tr> <td colspan="3" style="text-align: center;">BD600-06 (BD-24)</td> <td style="text-align: center;">CONTRACT NO.</td> <td style="text-align: center;">62P16</td> </tr> <tr> <td colspan="5" style="font-size: x-small; text-align: center;">ILLINOIS FED. AID PROJECT F29U(690)</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	2943	2021-079-R5&SW	COOK	72	61	BD600-06 (BD-24)			CONTRACT NO.	62P16	ILLINOIS FED. AID PROJECT F29U(690)				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																					
2943	2021-079-R5&SW	COOK	72	61																					
BD600-06 (BD-24)			CONTRACT NO.	62P16																					
ILLINOIS FED. AID PROJECT F29U(690)																									
SCALE: NONE				SHEET 1 OF 1 SHEETS	STA. TO STA.																				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

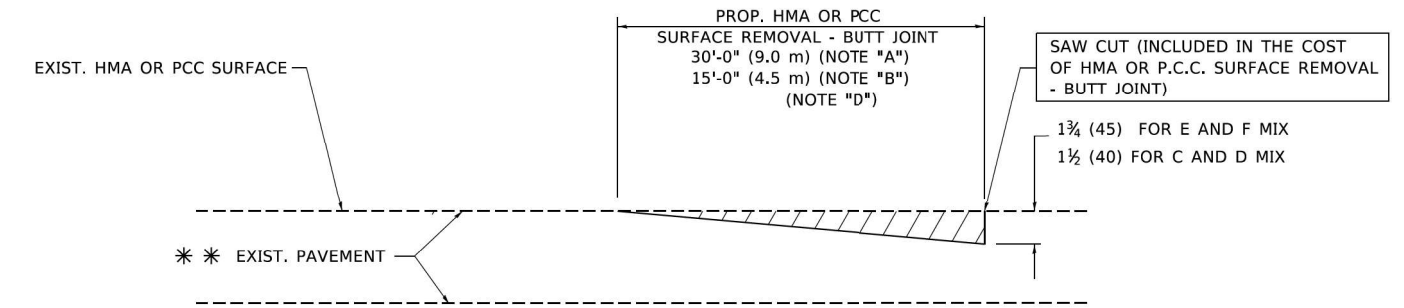


HMA CONSTRUCTED TEMPORARY RAMP

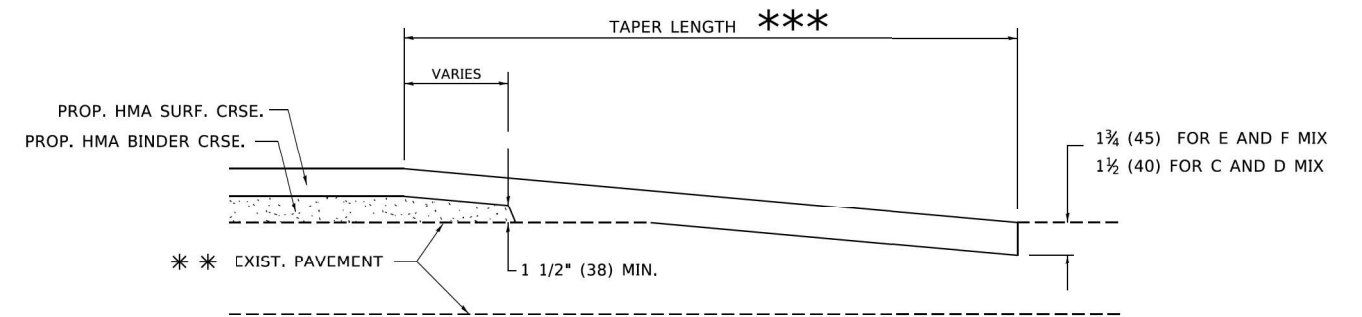
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

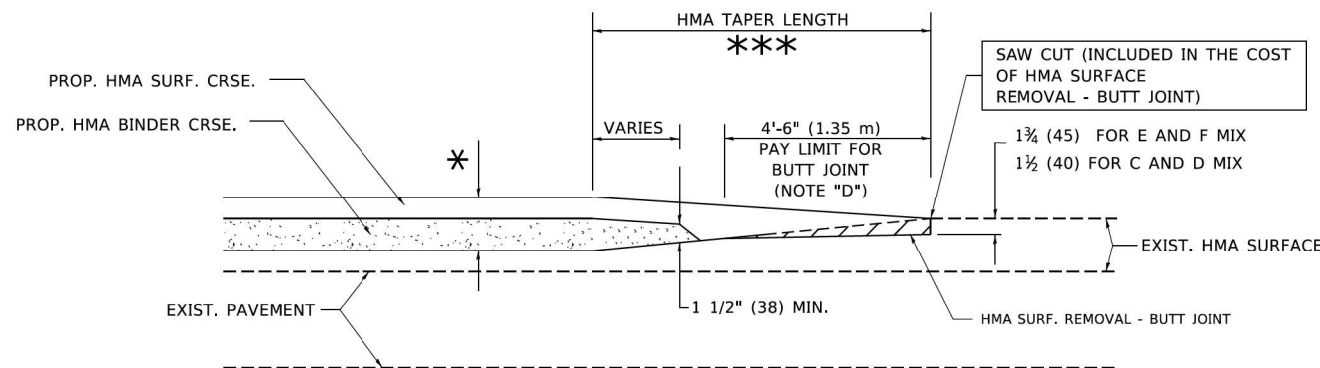
NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: RD-39
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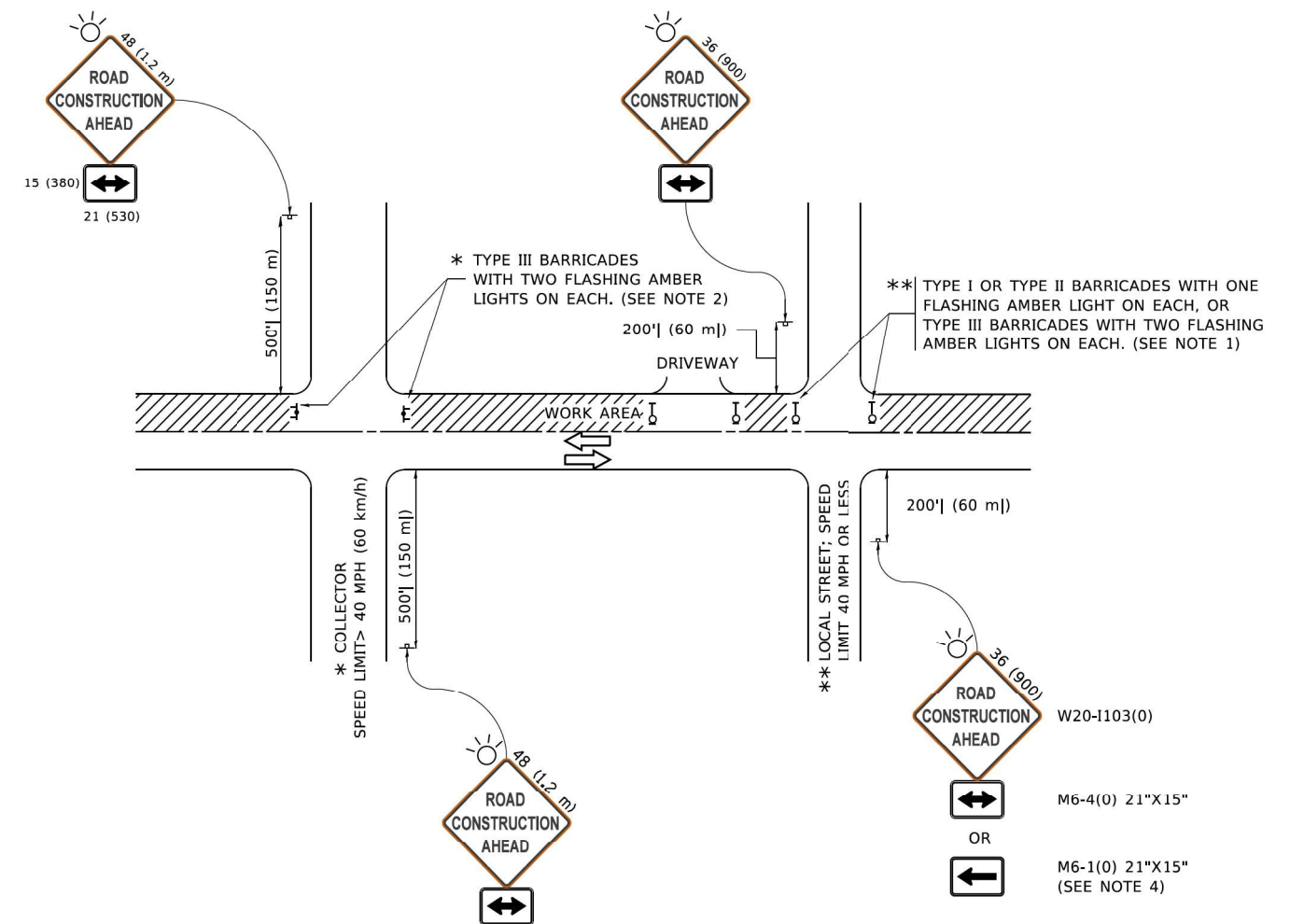
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	62
BD400-05 BD32		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				



NOTES:

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

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

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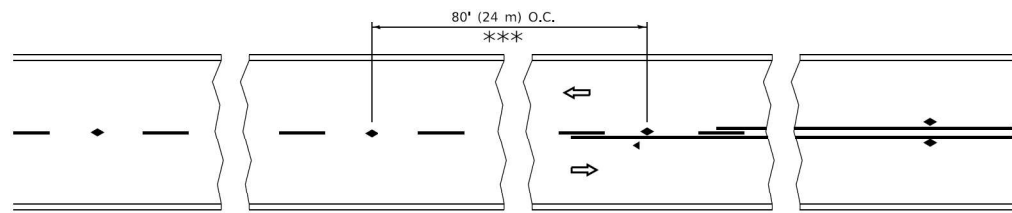
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PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

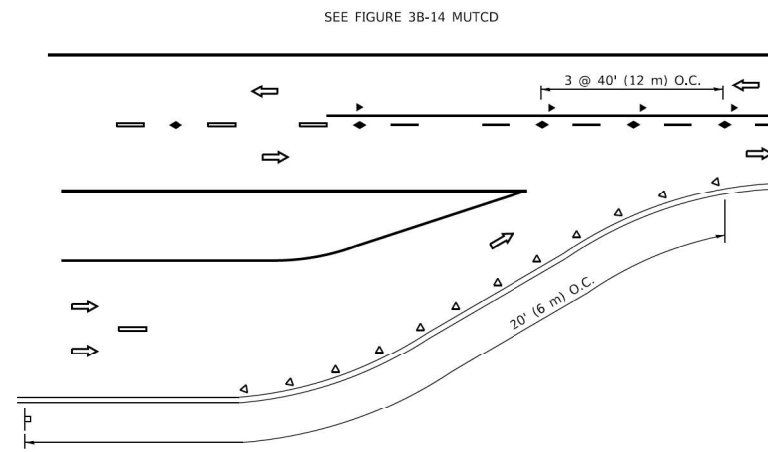
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62P16	
<small>ILLINOIS FED. AID PROJECT F29U(690)</small>				

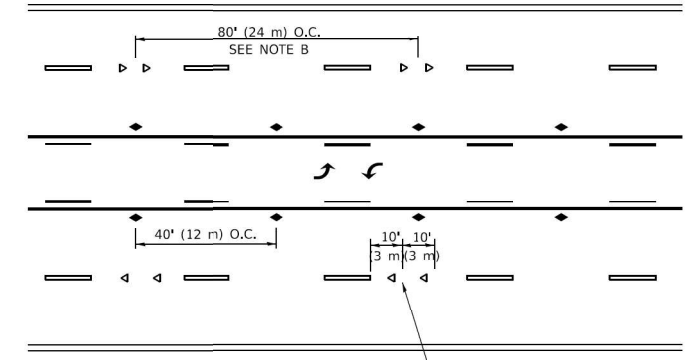


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

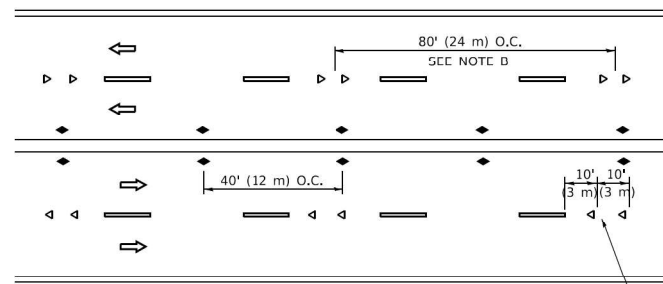
TWO-LANE/TWO-WAY



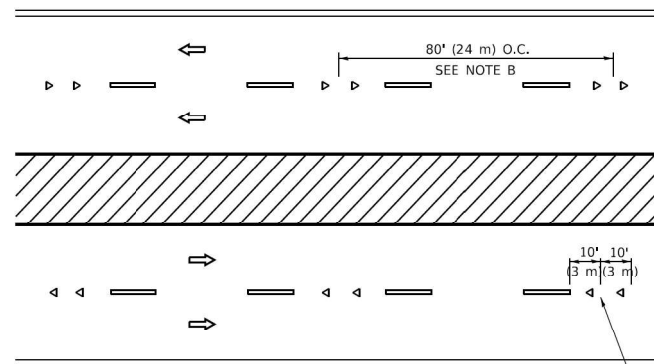
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

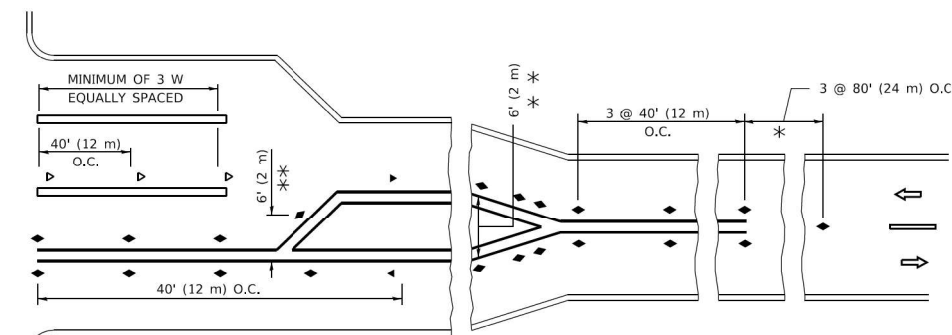
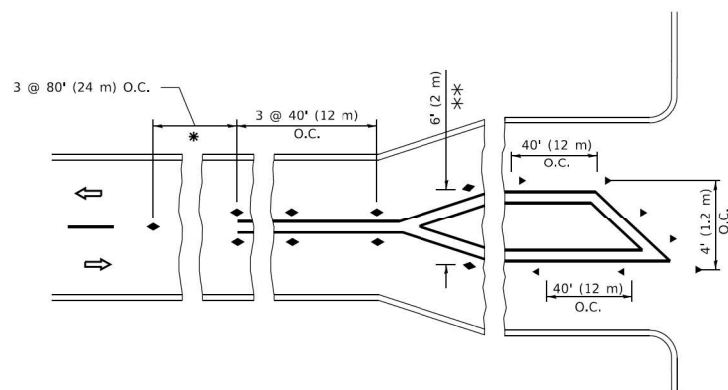
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

MODEL: TC-11
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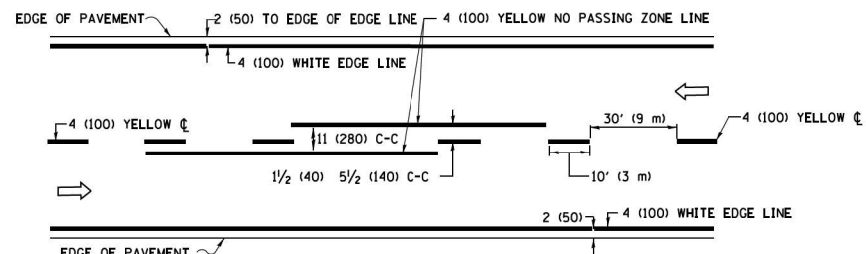
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

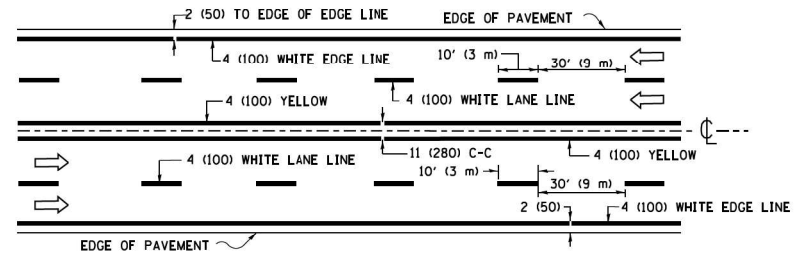
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

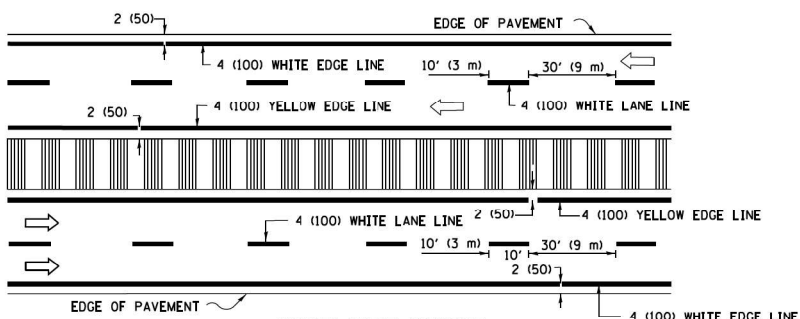
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	64
TC-11			CONTRACT NO. 62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



2-LANE ROADWAY

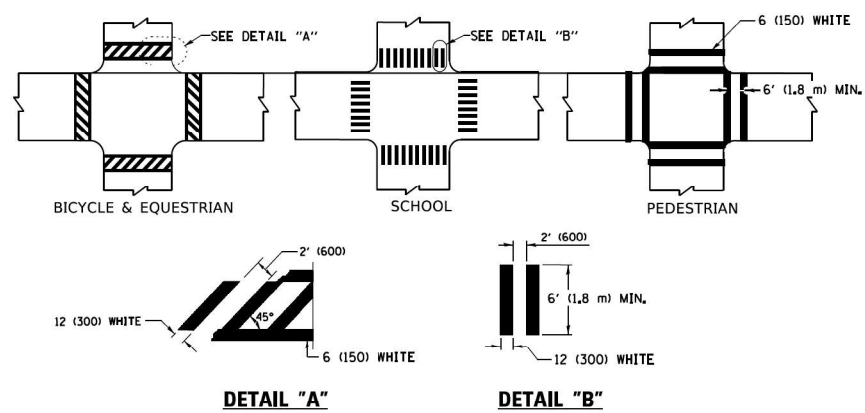


MULTI-LANE UNDIVIDED



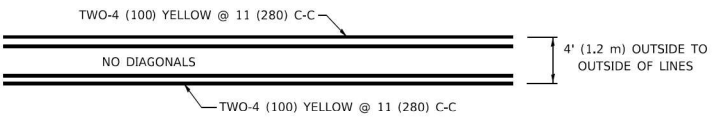
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

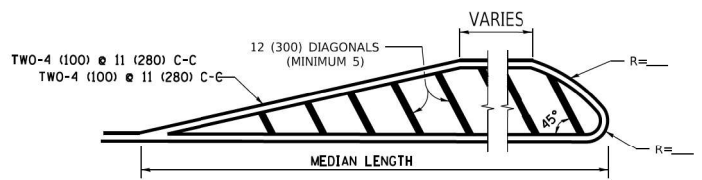


TYPICAL CROSSWALK MARKING

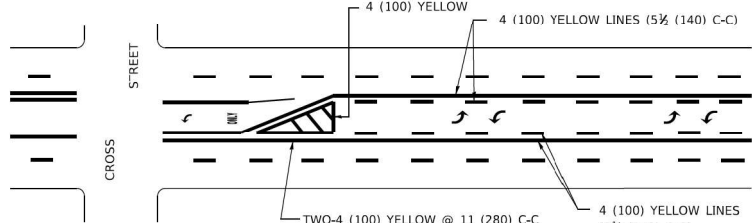
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



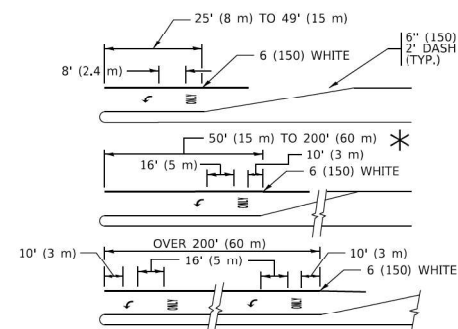
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



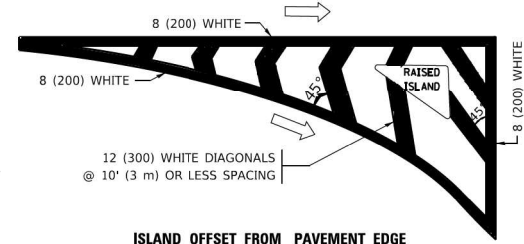
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



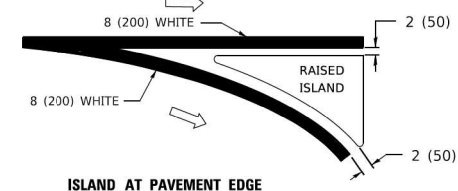
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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".

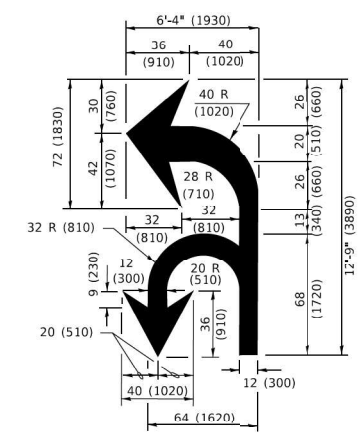


ISLAND OFFSET FROM PAVEMENT EDGE

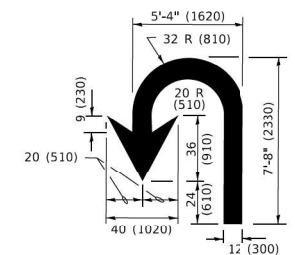


ISLAND AT PAVEMENT EDGE

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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8" (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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* 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R* = 3.6 SQ. FT. (0.33 m ²) EACH *X* = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: TC-13
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PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
TYPICAL PAVEMENT MARKINGS		2943		2021-079-R5&SW		COOK		72 65	
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.		ILLINOIS		FED. AID PROJECT F29U(690)	

CONTRACT NO. 62P16	
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**TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER**

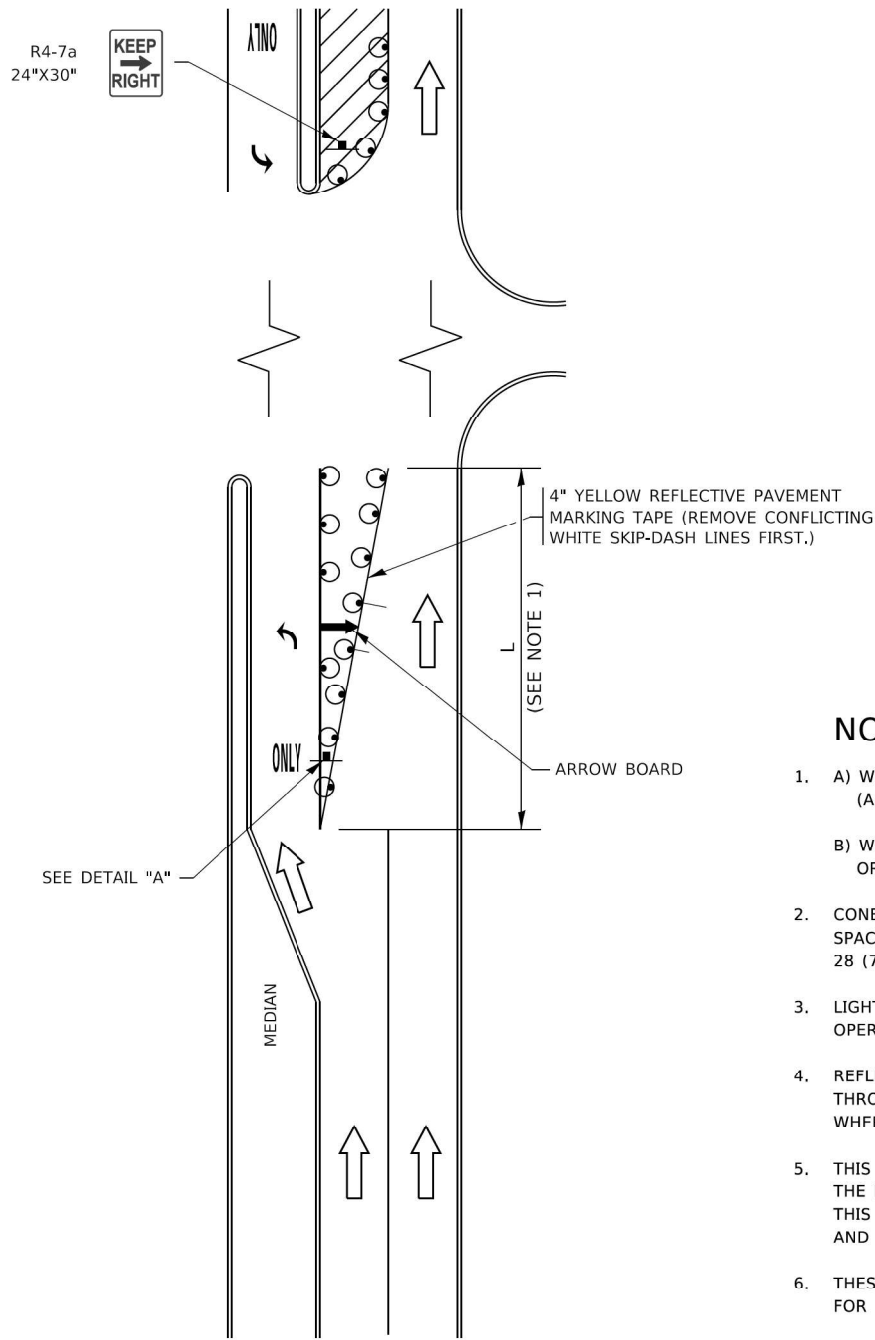


FIGURE 1

**TURN BAY ENTRANCE
WITHIN A LANE CLOSURE**

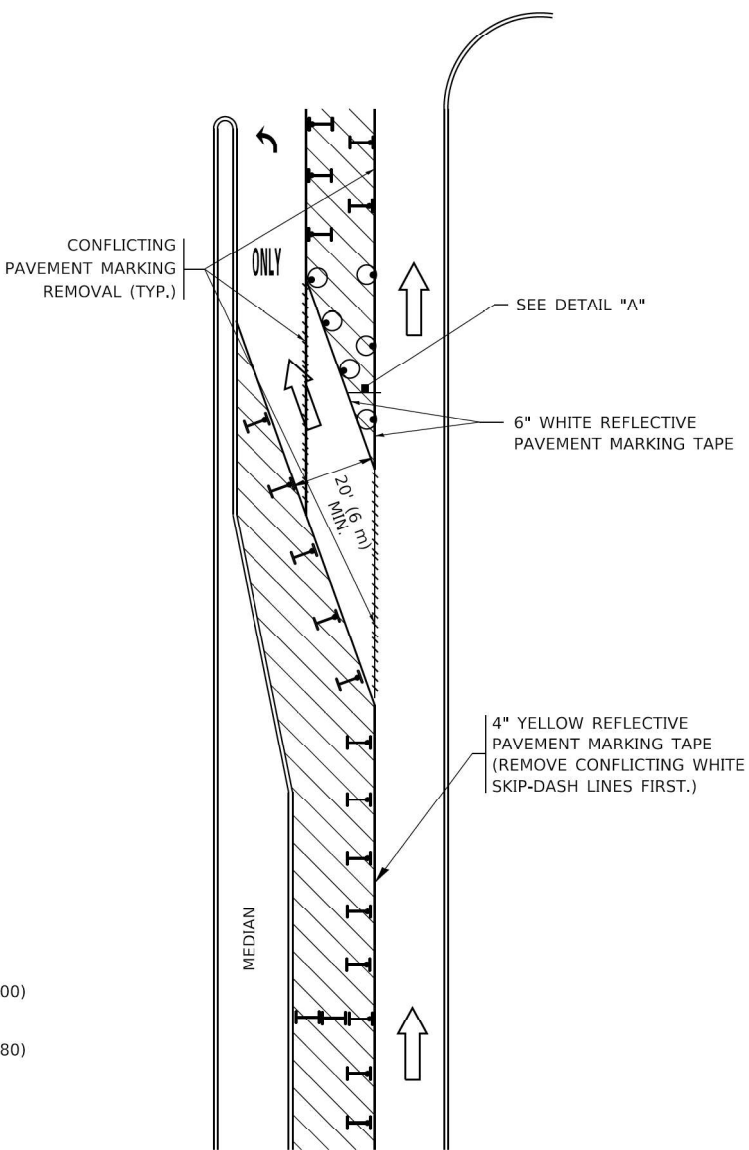


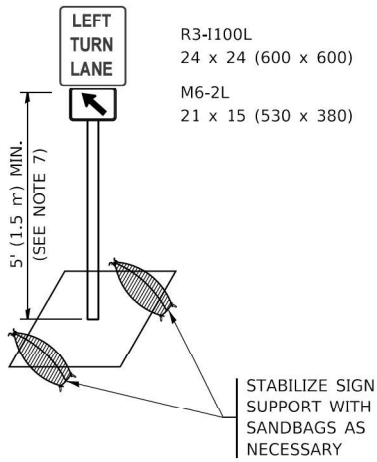
FIGURE 2

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 ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

MODEL: TC-14
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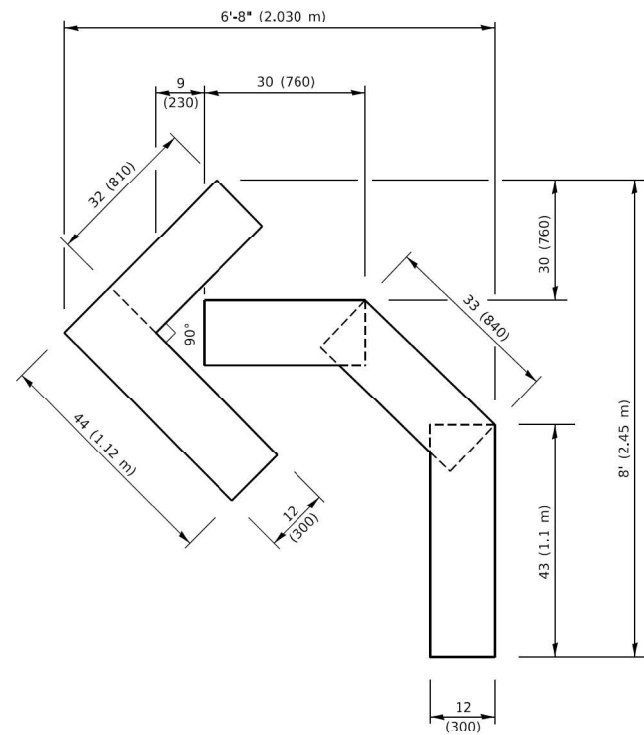
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

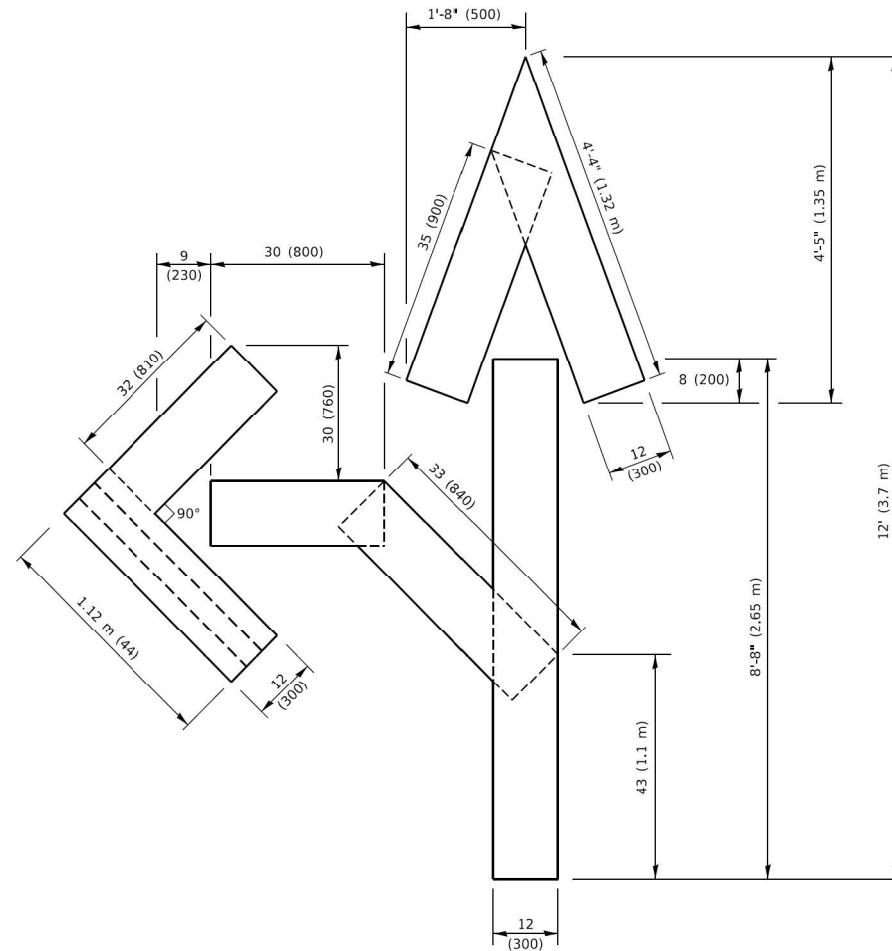
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	66
TC-14			CONTRACT NO.	62P16
<small>ILLINOIS FED. AID PROJECT F29U(690)</small>				

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



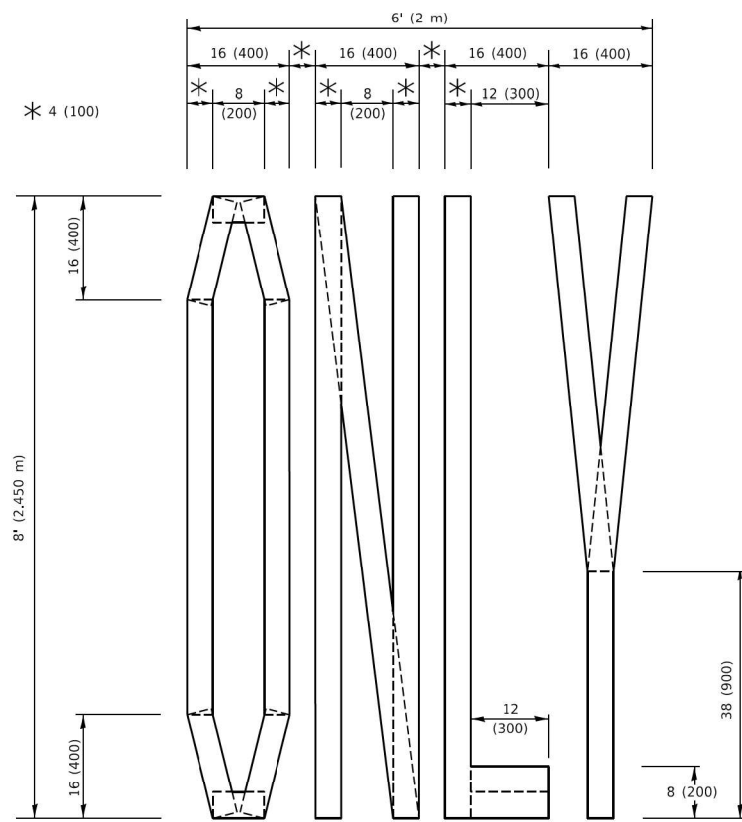
QUANTITY

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



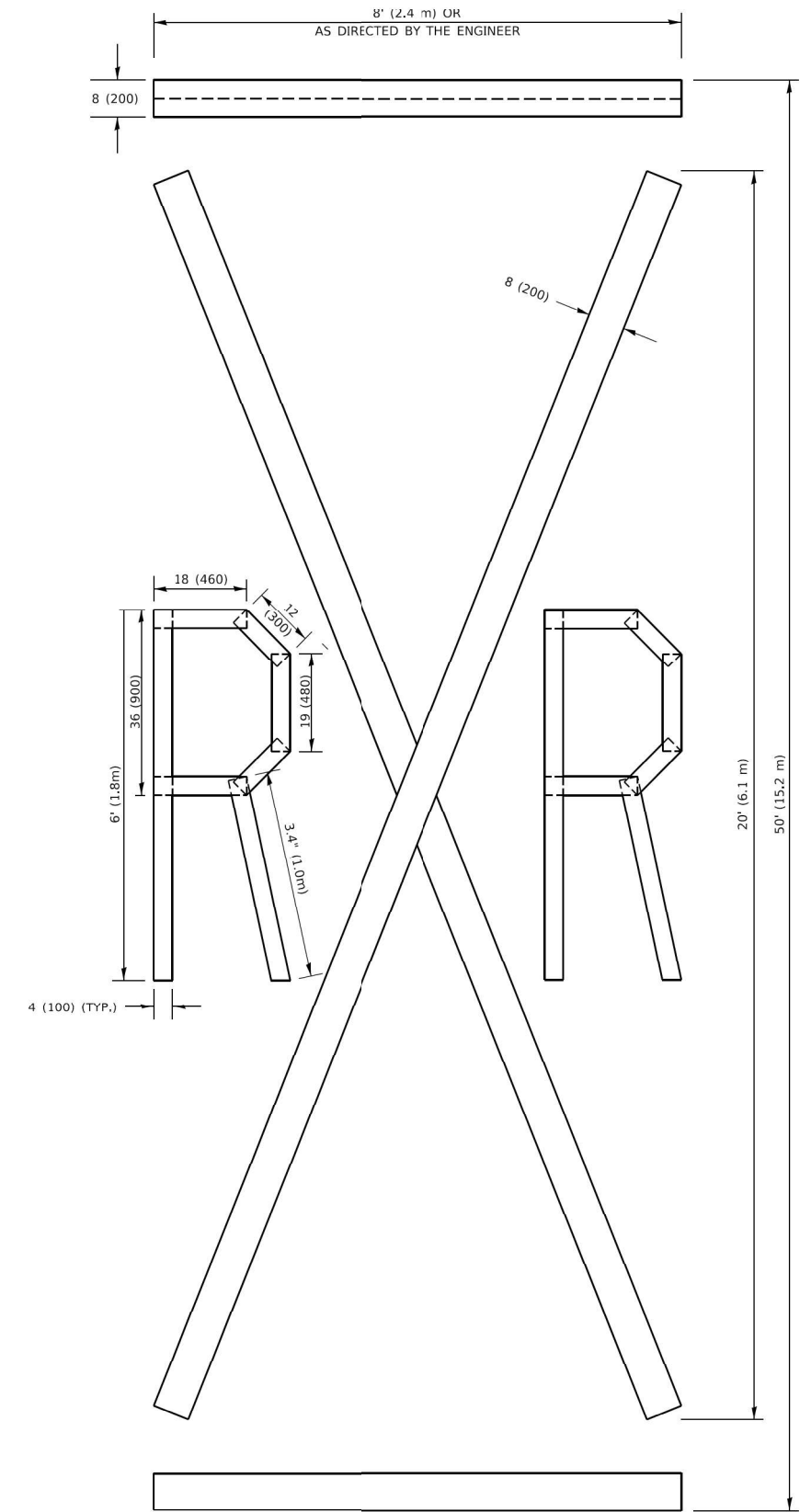
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

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

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

MODEL: TC-16
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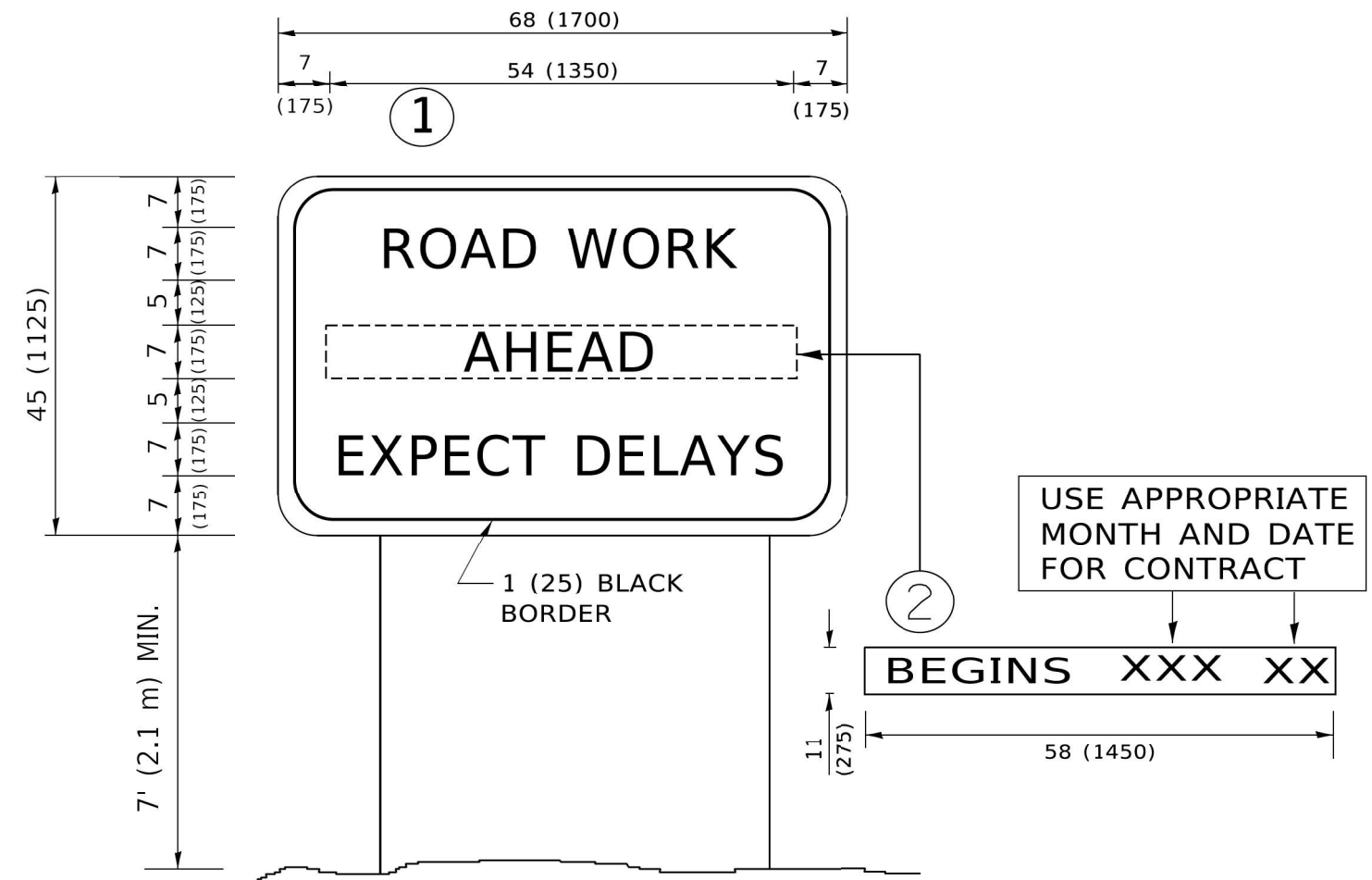
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	67
TC-16			CONTRACT NO. 62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



NOTES:

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

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

MODEL: TC-29
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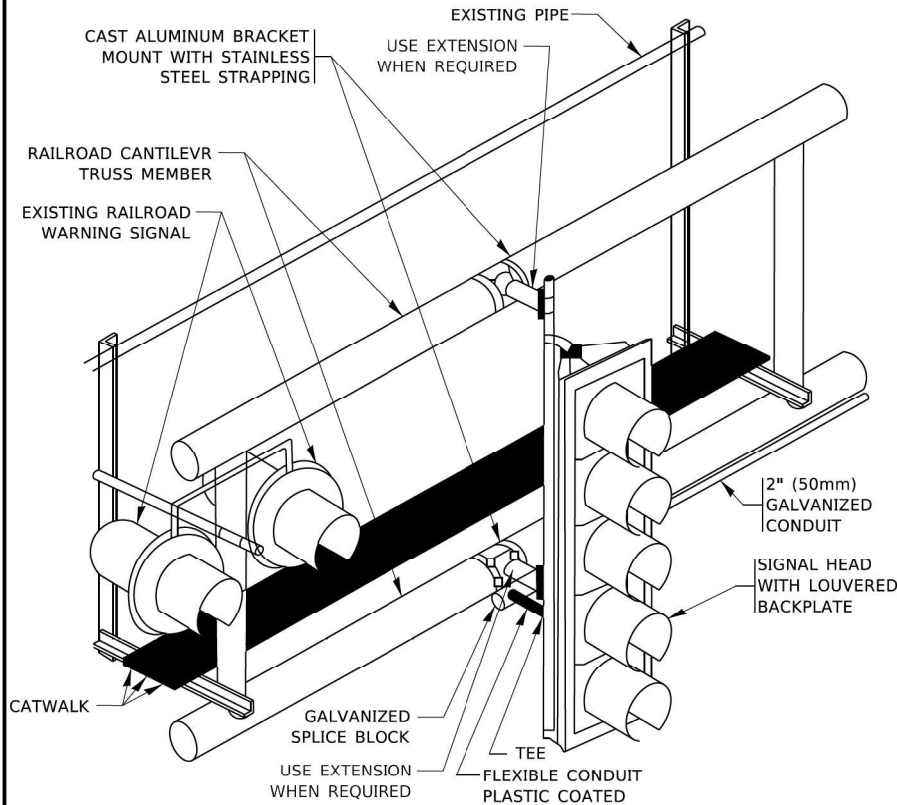
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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	68
TC-22			CONTRACT NO. 62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

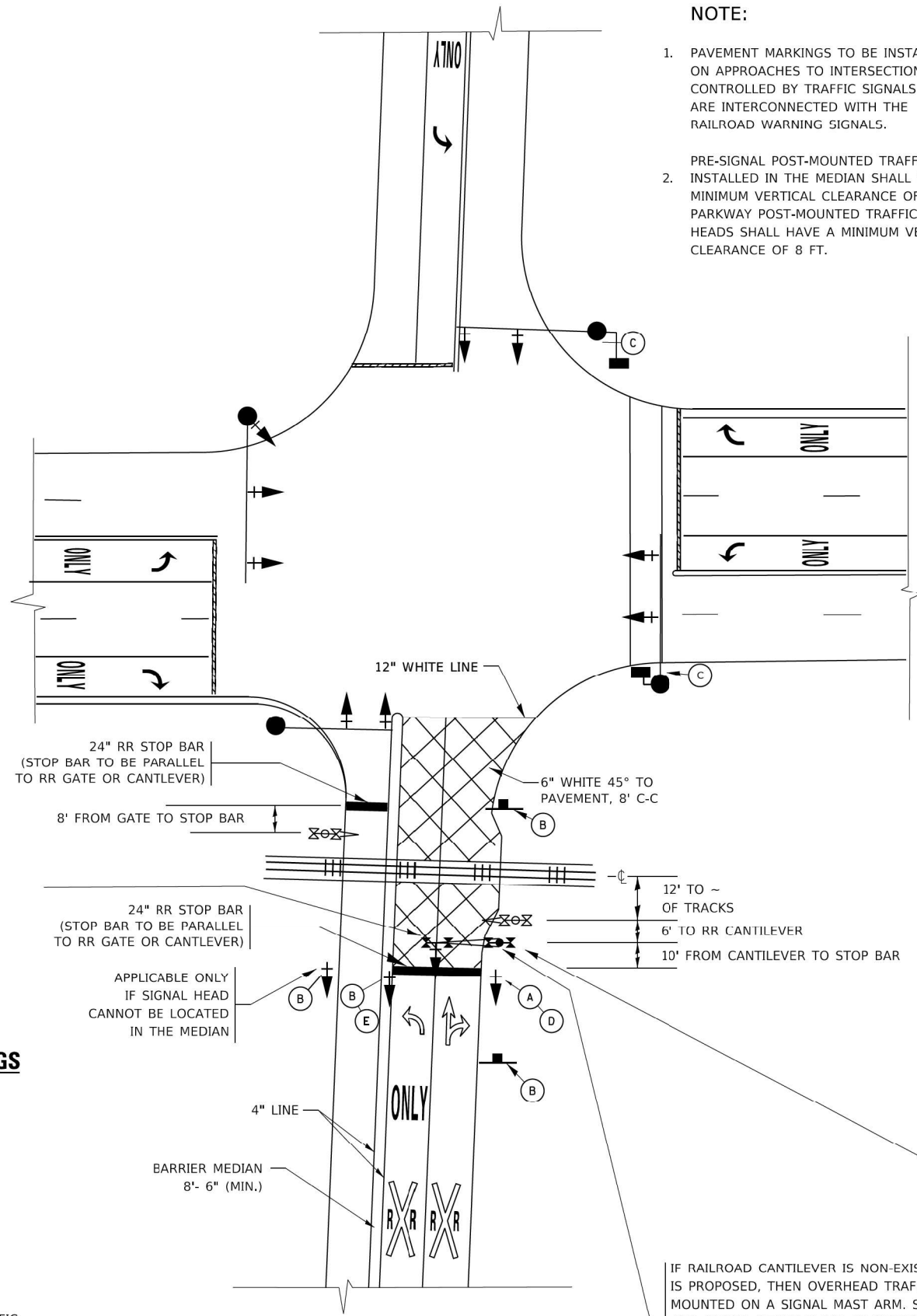
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
 N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

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

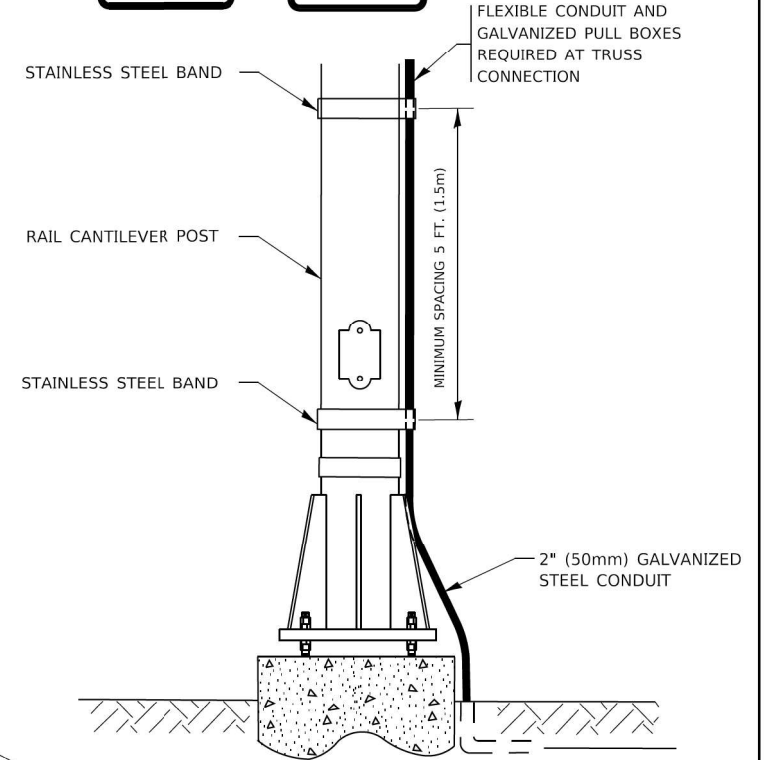
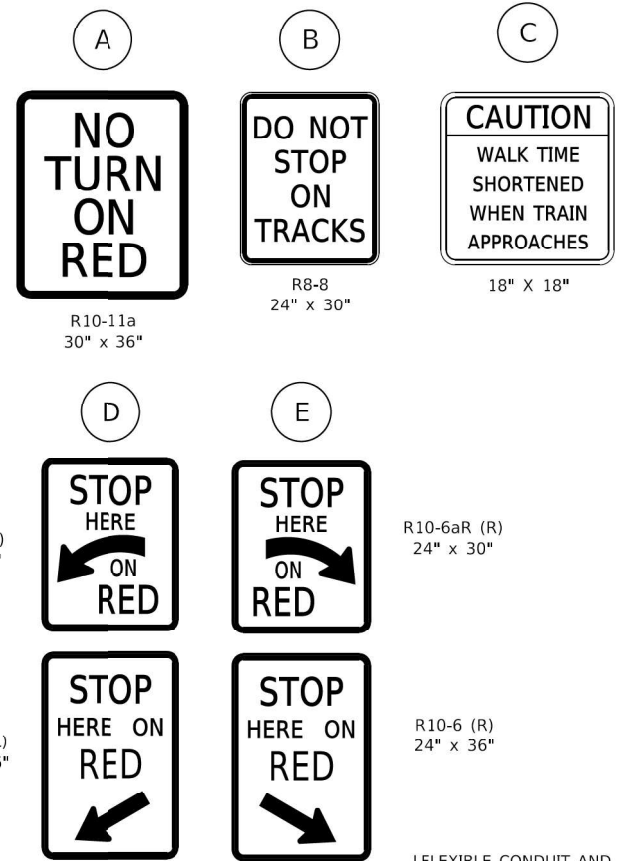
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION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

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



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

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



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

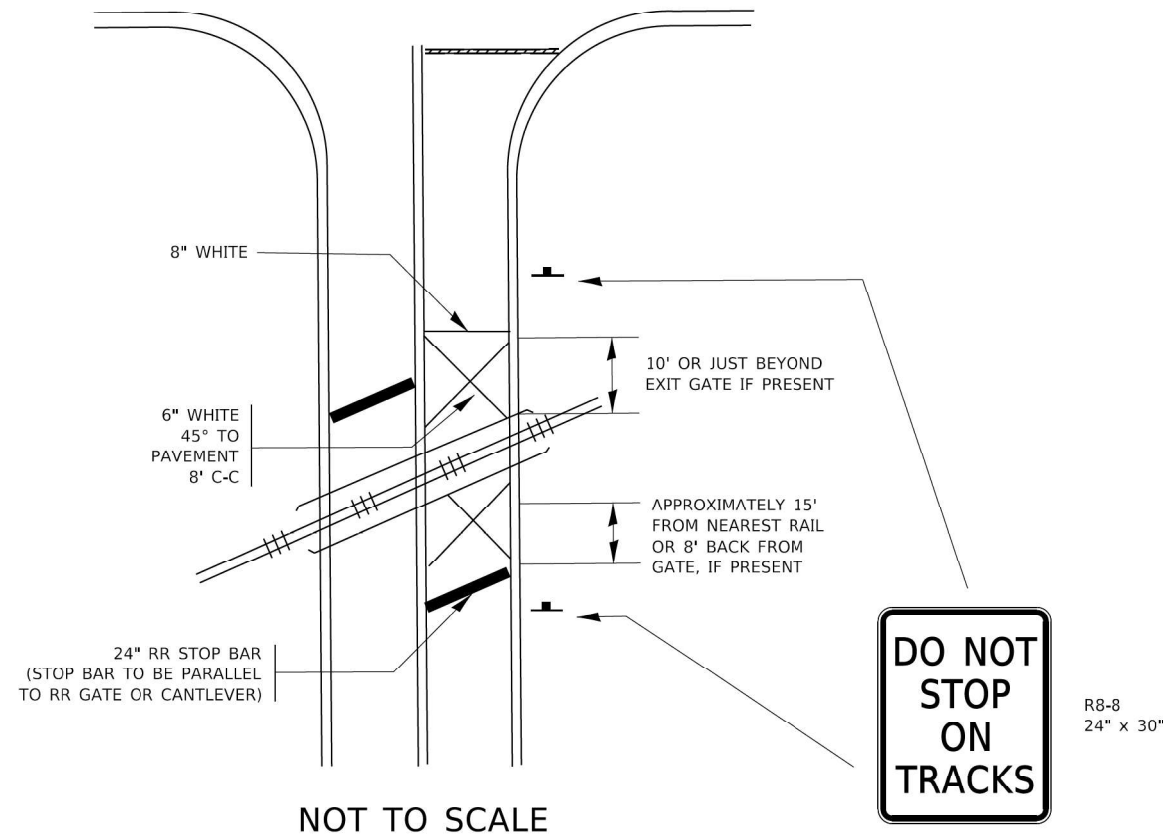
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
 TREATMENT FOR RAILROAD CROSSINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	69
TC-23			CONTRACT NO.	62P16
ILLINOIS FED. AID PROJECT F79U(690)				

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

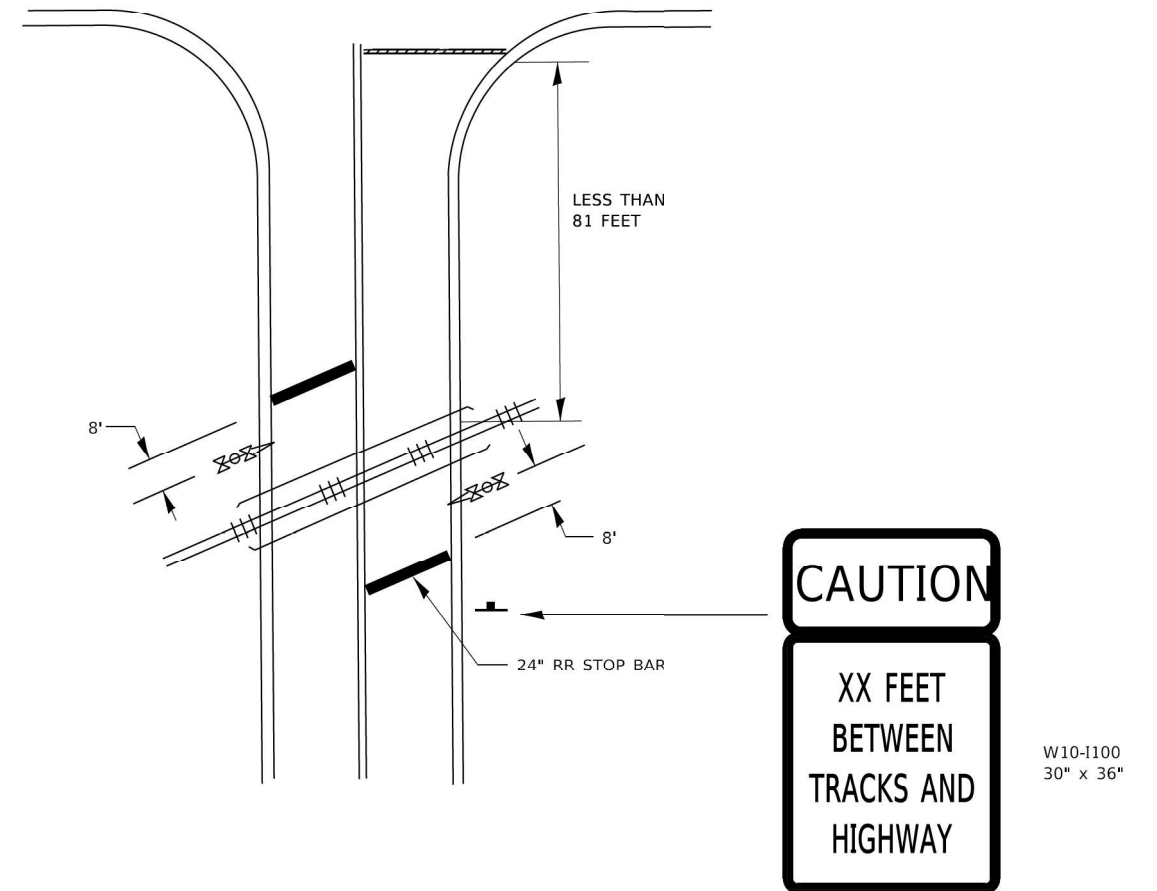
WITH SIGNALIZED INTERSECTION



NOTE:

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

WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



NOTE:

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

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

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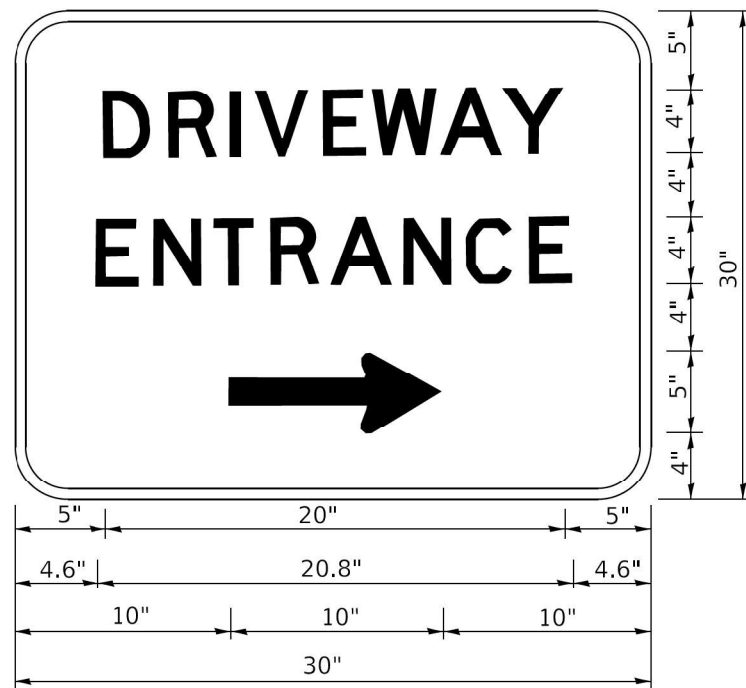
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	70
TC-23			CONTRACT NO. 62P16	
ILLINOIS FED. AID PROJECT F29U(690)				



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

NOTES:

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

MODEL: TC-26
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

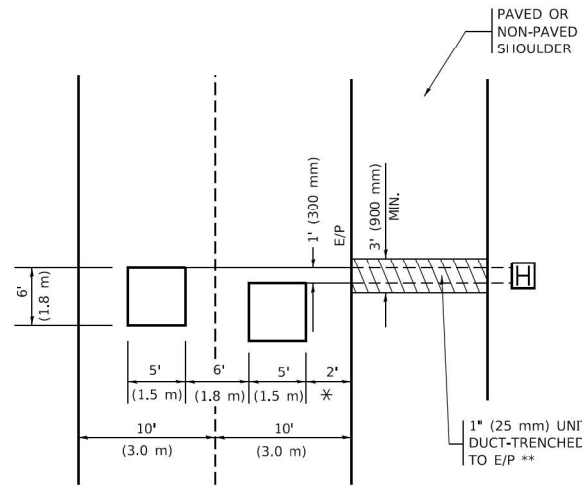
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	71
TC-26		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				

LOOPS NEXT TO SHOULDERS

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



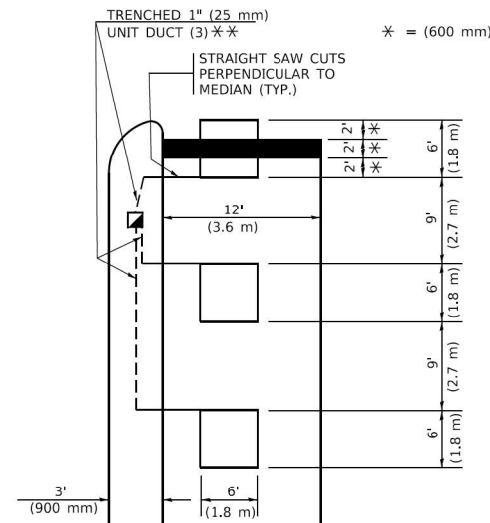
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

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

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



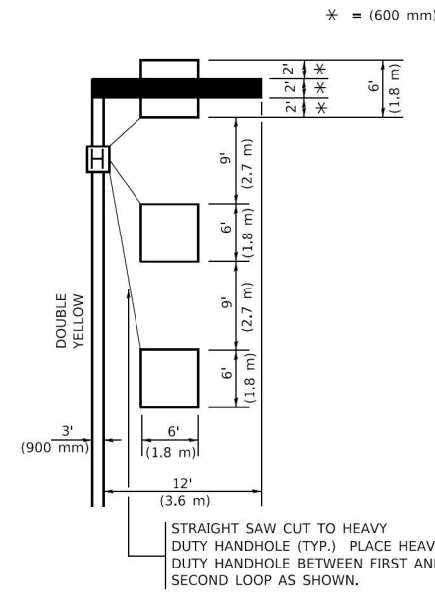
* = (600 mm)

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

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

LEFT TURN LANES WITHOUT MEDIANS

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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.

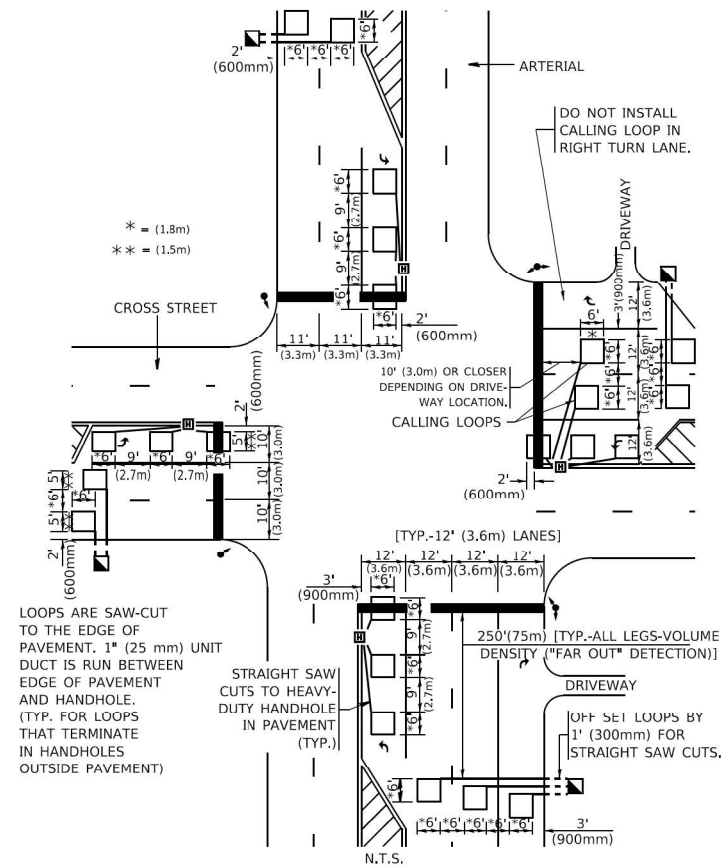
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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



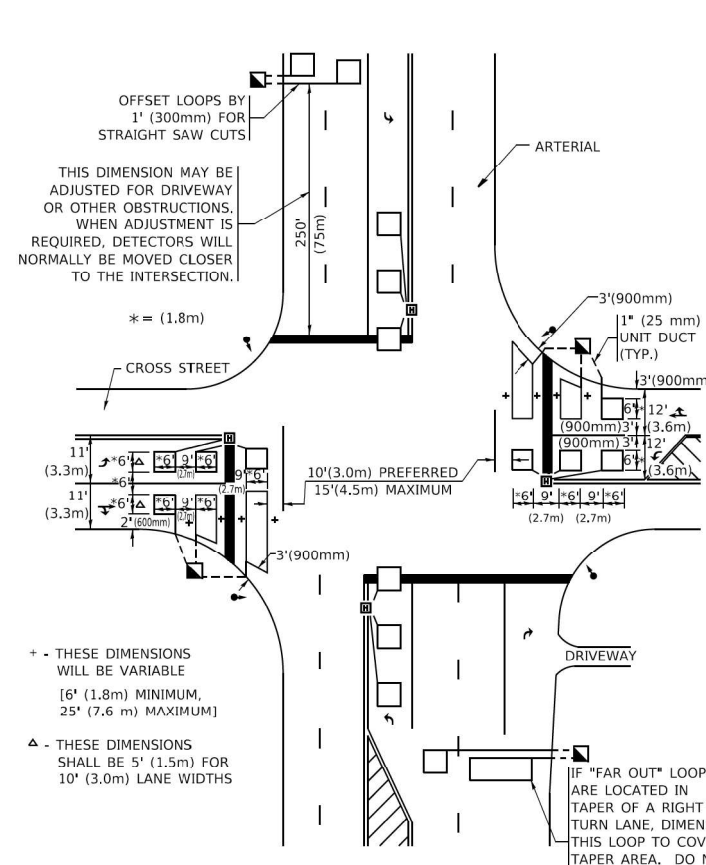
* = (1.8m)
** = (1.5m)

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

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

DETAIL 1
N.T.S.

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

* = (1.8m)

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

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

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

DETAIL 2
N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	2021-079-R5&SW	COOK	72	72
TS-07		CONTRACT NO. 62P16		
ILLINOIS FED. AID PROJECT F29U(690)				