

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	J
CONTRACT NO. 62M01				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

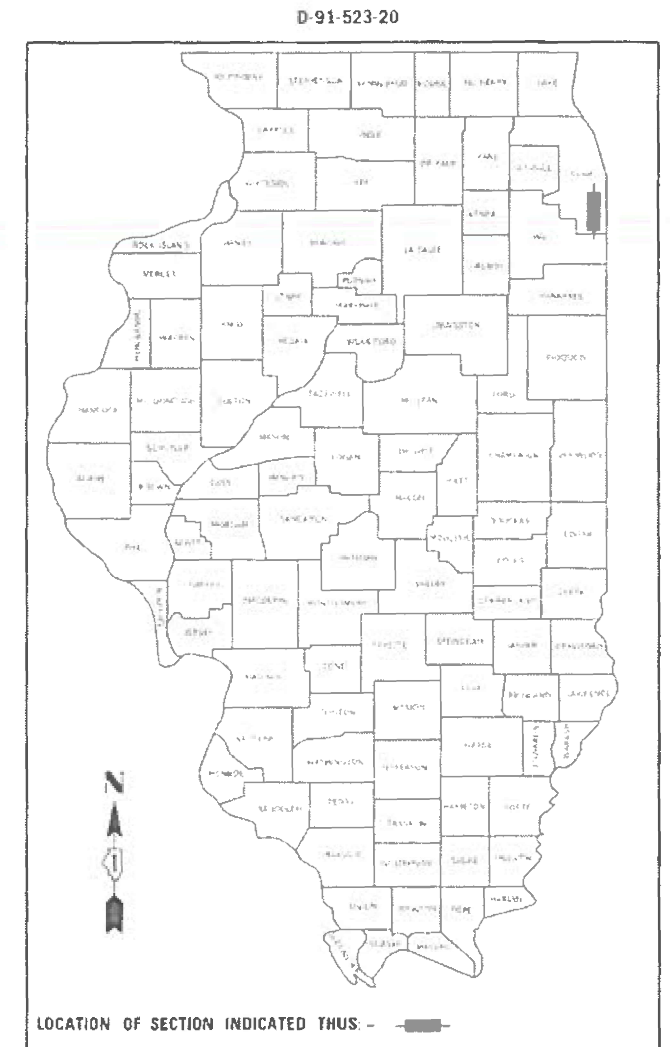
DESIGN DESIGNATION:
MINOR ARTERIAL
FAU ROUTE 3730: IL RTE 1 (S. HALSTED ST)
2019 ADT = 16,400 VPD
SPEED LIMIT = 30 MPH

IMPROVEMENT IS LOCATED IN
CITY OF HARVEY AND VILLAGE
OF PHOENIX

PROPOSED
HIGHWAY PLANS

FAU ROUTE 3730 (IL RTE 1 - HALSTED ST)
FROM 159TH ST (US RTE 6) TO 149TH ST
SECTION 2020-123-RS
FEDERAL PROJECT STP-SNY1(614)
SMART OVERLAY, ADA RAMPS
COOK COUNTY

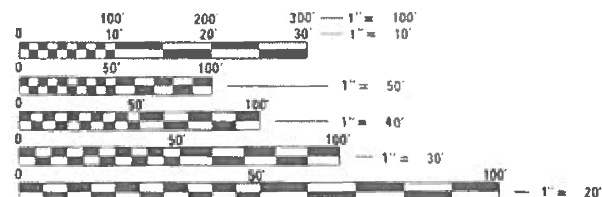
C-91-321-20



PROJECT ENDS
STA 192 + 80

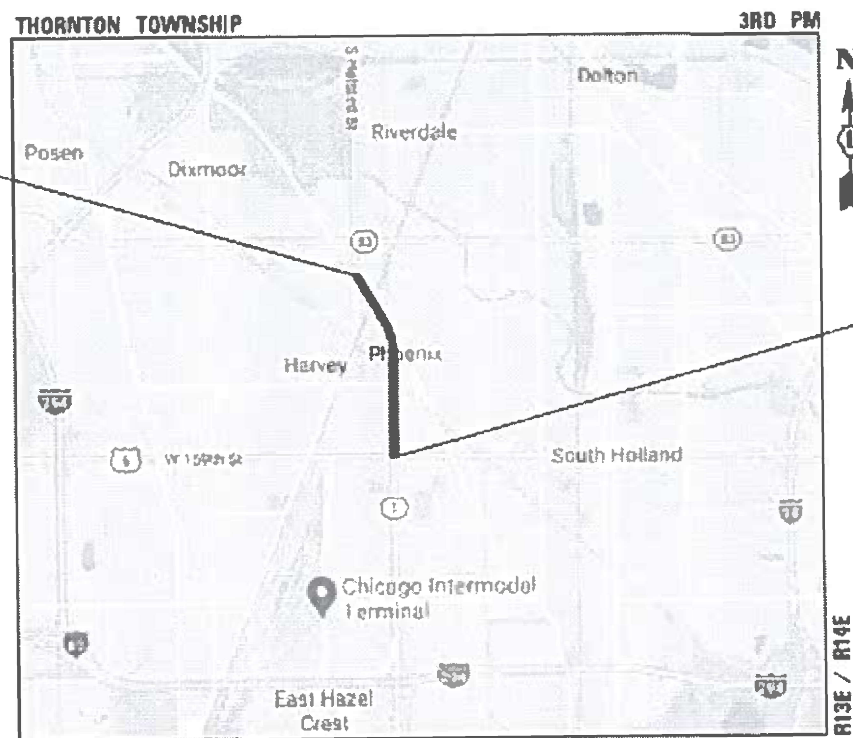
RESURFACING OMISSIONS:
120 + 28 - 128 + 13
154 + 32 - 169 + 48

PROJECT BEGINS
STA 120 + 28



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

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



GROSS LENGTH = 7252 FT. = 1.373 MILE
NET LENGTH = 5735 FT. = 1.086 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DATE SIGNED: 10-02-20
EXP. DATE: 11-30-21
SHEETS: 1-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DATE SIGNED: 10-02-20
"LICENSE EXPIRES 11-30-2021"
SHEETS: 12-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED: October 6, 2020
Regional Engineer
December 4, 2020
Engineer of Design and Environment
December 4, 2020
Director of Highways Project Implementation

PROJECT ENGINEER: VESELIN VELCHKOV, PE (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL, PTOE, PE (847) 705-4247

CONTRACT NO. 62M01

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. 151-002853

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-8	SCHEDULE OF QUANTITIES - ADA SIDEWALKS
9-11	ROADWAY AND PAVEMENT MARKING PLANS
12-22	ADA SIDEWALK DETAILS
23-26	DETECTOR LOOP REPLACEMENT DETAILS
27	PD-03 PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
28	PD-05 PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
29	BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
30	BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
31	BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
32	BD-32 BUTT JOINT AND HMA TAPER DETAILS
33	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
34	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
35	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
36	TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
37	TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
38	TC-22 ARTERIAL ROAD INFORMATION SIGN
39-40	TC-23 TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
41-42	TS-05b & TS-05c DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
43	TS-07 DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
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
602001-02	CATCH BASIN TYPE A
602301-04	INLETS TYPE A
604001-05	FRAME AND LIDS TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNDABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0213 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF HARVEY AND THE VILLAGE OF PHOENIX.
- 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 AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK AND INSTALLING TEMPORARY TRAFFIC CONTROL DEVICES.
- THE ENGINEER SHALL CONTACT THE SOUTH COOK TRAFFIC FIELD AREA ENGINEER AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH, WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- 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.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY 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.
- 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 & RESURFACING AND CURB & GUTTER REMOVAL & REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE STRUCTURE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER EXCEPT FOR LOCATIONS SHOWN ON THE DRAINAGE PLAN.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKING DETAIL STANDARDS.
- 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.
- THE ENGINEER SHALL CONTACT DON CHIARUGI, IDOT'S AREA TRAFFIC FIELD ENGINEER FOR THE COOK COUNTY AREA, VIA EMAIL AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEK PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED. PAVEMENT MARKING REMOVAL - WATER BLASTING, WILL BE USED WHEN PAVEMENT MARKINGS ARE BEING MOVED TO A NEW LOCATION. PAVEMENT MARKING REMOVAL - GRINDING, WILL BE USED WHEN PAVEMENT MARKINGS WILL BE REPLACED IN THE SAME LOCATION.
- TWO (2) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OR WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK.
- SAW CUTTING OF PAVEMENTS, 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 CLASS B PATCHES.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION AND EXISTING SIDEWALK TO BE REMOVED WITHOUT PROPOSED SIDEWALK 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 OTHER 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 OR AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO USE A SMALL MILLING MACHINE WHEN MILLING UNDER THE IC/METRA BRIDGE.

MODEL: Default
FILE: \\nas0101\cadd\cadd\5\sheet\c\ill\152\MO1-rt-egm\state.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/16/2020	DATE - 10-07-2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	2
CONTRACT NO. 62M01			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY	100% STATE ROADWAY
				0005 URBAN	0005 URBAN
20200100	EARTH EXCAVATION	CU YD	76	76	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	97	97	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10	
25200110	SODDING, SALT TOLERANT	SQ YD	148	148	
25200200	SUPPLEMENTAL WATERING	UNIT	28	28	
28000510	INLET FILTERS	EACH	52	52	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12492	12492	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	42	42	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	315	315	
* 40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	84	84	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2402	2402	
42001300	PROTECTIVE COAT	SQ YD	913	913	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6114	6114	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY	100% STATE ROADWAY
				0005 URBAN	0005 URBAN
42400800	DETECTABLE WARNINGS	SQ FT	421	421	
44000100	PAVEMENT REMOVAL	SQ YD	26	26	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	27760	27760	
44000600	SIDEWALK REMOVAL	SQ FT	5962	5962	
* 44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	497	497	
44200948	CLASS B PATCHES, TYPE I, 9 INCH	SQ YD	56	56	
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	56	56	
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	56	56	
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	56	56	
44201299	DOWEL BARS 1 1/2"	EACH	400	400	
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	24	24	
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	75	75	
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	76	76	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	118	118	

* SPECIALTY ITEMS

MODEL: S00_1
FILE: \\mhc\c\Engineering\Live\Projects\20005_IDOT_DURAWO_1 - 62M01\CADD\CADD_Sheets\Civil\152M01_rch-S00.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/16/2020	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	

MODEL: S00_2
 FILE: \\na10101.ctb Engineering\live\projects\20005_IDOT_DURAWO_1 - 62M01\CADD\CADD_Sheets\Civil\152\2M01_rch-S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN
				44201798	CLASS D PATCHES, TYPE I, 13 INCH
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	45	45	
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	50	50	
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	71	71	
44213200	SAW CUTS	FOOT	813	813	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7	
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	4	4	
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4	
60260100	INLETS TO BE ADJUSTED	EACH	4	4	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	60	60	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN
				* 66901006	REGULATED SUBSTANCES MONITORING
* 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8982	8982	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2994	2994	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1056	1056	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12031	12031	

* SPECIALTY ITEMS



USER NAME = dwojck	DESIGNED - DW	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 10/16/2020	CHECKED - TGM	REVISED -
	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	

MODEL: S00_3
 FILE: M:\GIS\Engineering\LiveProjects\2005 IDOT DURWO 1 - 62M01\CADD\CADD Sheets\Civil\12M01-rht-S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1059	1059	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	238	238	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	329	329	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4491	4491	
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1056	1056	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12031	12031	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1059	1059	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	238	238	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	329	329	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	368	368	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	369	369	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1879	1879	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	1	1	
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	7	7	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5	5	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	
X0326806	WASHOUT BASIN	L SUM	1	1	
* X1400031	REMOVE PEDESTRIAN PUSH-BUTTON	EACH	1	1	
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	15	15	
X4400221	CURB REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	10	10	
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	215	215	
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	510		510
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1497	1497	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	727	727	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	52		52
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	115	115	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	13869	13869	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
Ø Z0076600	TRAINEES	HOURS	500	500	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

* SPECIALTY ITEMS

Ø 0042

REV-SEP



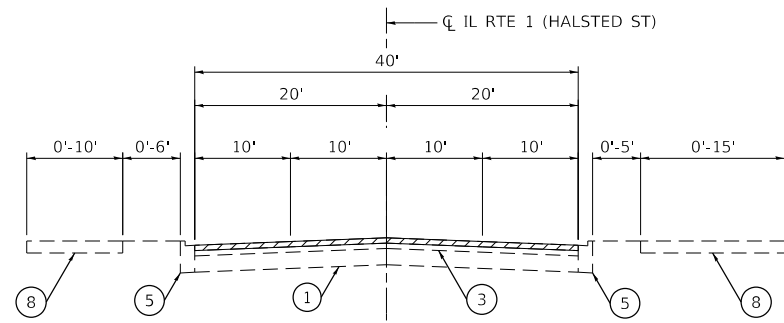
USER NAME = dwojck	DESIGNED - DW	REVISED -
DRAWN - DW	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/16/2020	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

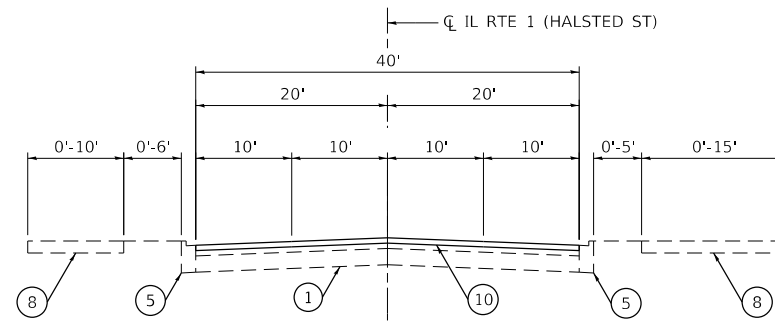
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	



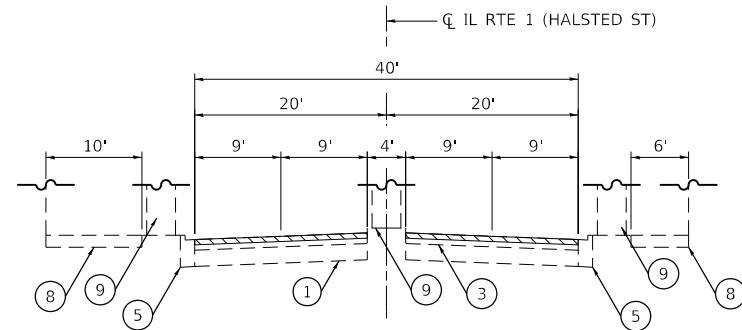
EXISTING TYPICAL SECTION

STA 128+13 TO STA 136+20
 STA 169+48 TO STA 179+85
 STA 181+70 TO STA 192+80



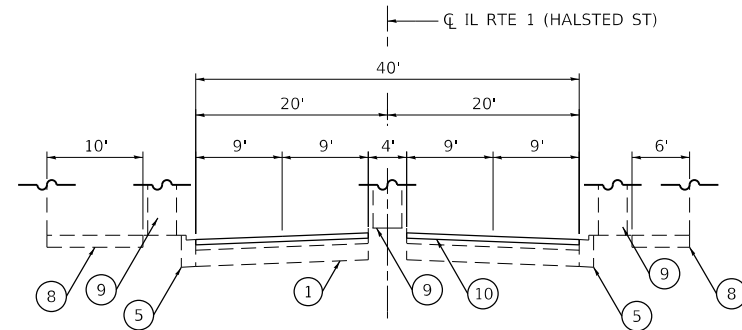
PROPOSED TYPICAL SECTION

STA 128+13 TO STA 136+20
 STA 169+48 TO STA 179+85
 STA 181+70 TO STA 192+80



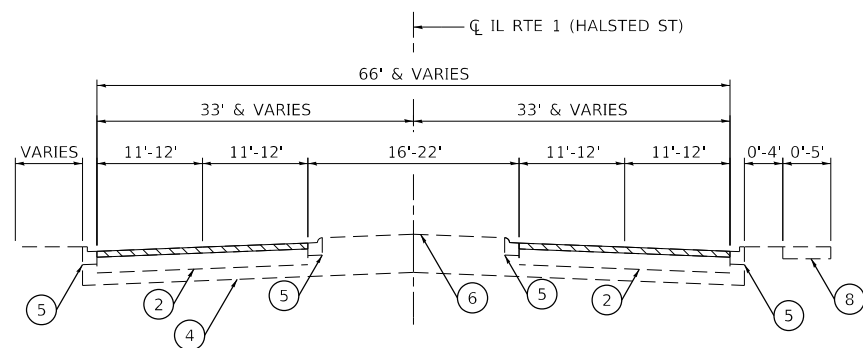
EXISTING TYPICAL SECTION

STA 179+85 TO STA 181+70



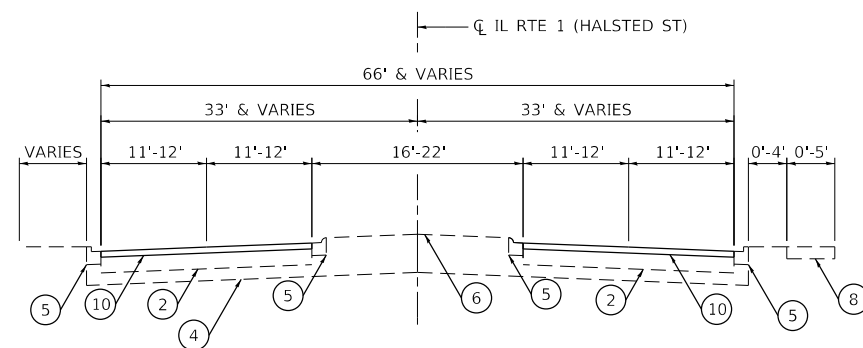
PROPOSED TYPICAL SECTION

STA 179+85 TO STA 181+70



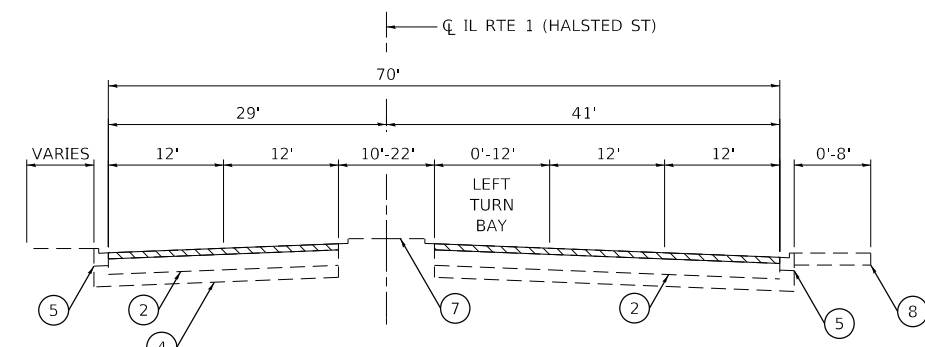
EXISTING TYPICAL SECTION

STA 136+20 TO STA 143+60
 STA 151+84 TO STA 154+32



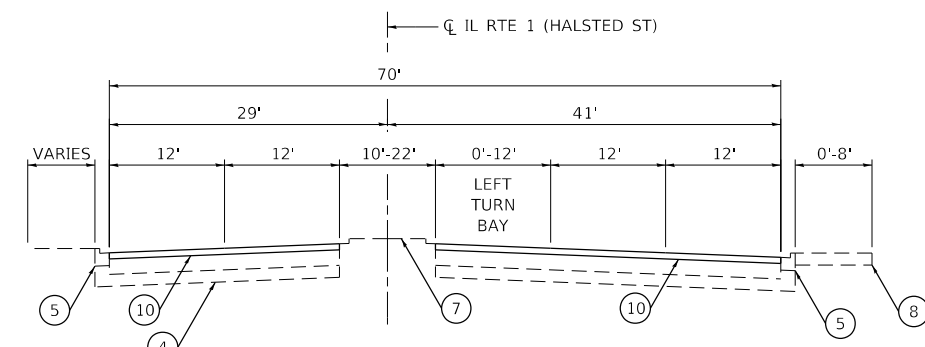
PROPOSED TYPICAL SECTION

STA 136+20 TO STA 143+60
 STA 151+84 TO STA 154+32



EXISTING TYPICAL SECTION

STA 143+60 TO STA 151+84



PROPOSED TYPICAL SECTION

STA 143+60 TO STA 151+84

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ① EXISTING PCC PAVEMENT, ± 9"
- ② EXISTING HMA PAVEMENT, ± 14 3/4"
- ③ EXISTING HMA SURFACE, ± 3"
- ④ EXISTING AGGREGATE SUBGRADE, 12"
- ⑤ EXISTING CURB AND GUTTER
- ⑥ EXISTING HMA MEDIAN (SEE NOTE 2)
- ⑦ EXISTING PCC MEDIAN (SEE NOTE 2)
- ⑧ EXISTING SIDEWALK
- ⑨ EXISTING BRIDGE PIER
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"

NOTES

1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT ONE STANDARD DETAIL (BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.
2. SEE ROADWAY AND PAVEMENT MARKING PLAN SHEETS FOR LOCATIONS OF EXISTING CONCRETE, ASPHALT, AND PAINTED MEDIANS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.

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 1/2"	4% @ 70 GYR.	QC/QA
CLASS D PATCHES	(HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES	(HMA BINDER IL-19 mm), 3 INCH	4% @ 70 GYR.	QC/QA
QUALITY MANAGEMENT PROGRAM (QMP) DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) QUALITY CONTROL FOR PERFORMANCE (QCP)			

- 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 SPECIAL PROVISIONS.
 3. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.
 4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

MODEL: Default
 FILE: \\nas01.cad.ctb\Projects\2005_IDOT_DWR\1 - 62M01\CADD\CADD_Sheets\Civil\152M01-ctb-15pave.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 10/14/2020	CHECKED - TGM	REVISED -
	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
 IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	6
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

INTERSECTION	20200100 EARTH EXCAVATION CU YD	21101625 TOPSOIL F&P 4 SQ YD	25000400 NITROGEN FERT NUTR POUND	25000600 POTASSIUM FERT NUTR POUND	25200110 SODDING SALT TOLERANT SQ YD	25200200 SUPPLE WATERING UNIT	42001300 PROTECTIVE COAT SQ YD	42400200 PC CONC SIDEWALK 5 SQ FT	42400800 DETECTABLE WARNINGS SQ FT	44000100 PAVEMENT REM SQ YD	44000600 SIDEWALK REM SQ FT	44201737 CL D PATCH T1 8 SQ YD	44201741 CL D PATCH T2 8 SQ YD
IL RTE 1 (HALSTED ST) AT 159TH ST	11	22	1	1	22	3	139	1015	38	0	1019	0	0
IL RTE 1 (HALSTED ST) AT 158TH ST	12	18	1	1	18	3	166	1075	60	0	1077	0	5
IL RTE 1 (HALSTED ST) AT 157TH ST NE	5	0	0	0	0	0	54	415	22	6	357	0	5
IL RTE 1 (HALSTED ST) AT 157TH ST SE	5	0	0	0	0	0	50	381	32	0	381	0	0
IL RTE 1 (HALSTED ST) AT 157TH ST SW	4	0	0	0	0	0	52	361	20	0	361	0	5
IL RTE 1 (HALSTED ST) AT 156TH ST NE	2	1	1	1	1	2	27	152	14	0	162	3	0
IL RTE 1 (HALSTED ST) AT 156TH ST SE	3	1	1	1	1	2	30	207	13	0	214	0	5
IL RTE 1 (HALSTED ST) AT 155TH ST AND RR	5	1	1	1	1	2	54	407	41	20	201	0	0
IL RTE 1 (HALSTED ST) AT 155TH ST NE	3	1	1	1	1	2	37	219	20	0	219	0	0
IL RTE 1 (HALSTED ST) AT 150TH ST	8	3	1	1	54	9	86	701	40	0	704	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST NW	3	0	0	0	0	0	37	262	21	0	262	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST NE	3	1	1	1	1	2	37	282	29	0	301	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST SW	4	0	0	0	0	0	36	321	20	0	397	0	9
IL RTE 1 (HALSTED ST) AT MORGAN ST SE	1	0	0	0	0	0	7	62	20	0	62	0	0
IL RTE 1 (HALSTED ST) AT MORGAN ST SW	3	1	1	1	1	2	29	254	22	0	245	0	0
TOTAL	72	49	9	9	100	27	841	6114	412	26	5962	3	29

INTERSECTION	44201747 CL D PATCH T4 8 SQ YD	60250200 CATCH BASINS ADJUST EACH	60250400 CATCH BASINS ADJ W/ TY1 F, OL EACH	60255500 MANHOLES TO BE ADJUSTED EACH	60260100 INLETS ADJUST EACH	60266600 VALVE BOXES TO BE ADJUST EACH	72400500 RELOCATE SIGN PANEL ASSM TY A EACH	85000200 MAINTAIN EXISTING TRF SIGN INSTALL EACH	88800100 PED PUSH BUTTON EACH	89500400 RELOCATE EXISTING PED PUSH BUTTON EACH	89502376 REBUILD EXISTING HANDHOLE EACH	X1400031 REM PED PUSH BUTTON EACH	X4400220 CURB REM & REPLACEM T FOOT
IL RTE 1 (HALSTED ST) AT 159TH ST	0	0	0	0	0	0	0	1	0	4	2	0	0
IL RTE 1 (HALSTED ST) AT 158TH ST	0	2	0	0	1	1	0	0	0	0	1	0	0
IL RTE 1 (HALSTED ST) AT 157TH ST NE	0	0	0	1	0	2	0	1	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 157TH ST SE	0	0	0	0	1	0	0	0	0	1	0	0	15
IL RTE 1 (HALSTED ST) AT 157TH ST SW	0	0	0	1	0	0	0	0	0	0	1	0	0
IL RTE 1 (HALSTED ST) AT 156TH ST NE	0	0	0	0	0	0	0	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 156TH ST SE	0	0	0	0	0	0	0	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 155TH ST AND RR	27	0	0	0	0	0	0	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 155TH ST NE	0	0	0	0	0	0	0	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 150TH ST	0	0	1	0	0	0	1	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST NW	0	0	0	0	0	0	0	1	0	1	0	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST NE	0	0	1	0	0	2	0	0	0	1	0	0	0
IL RTE 1 (HALSTED ST) AT 149TH ST SW	0	0	0	1	0	0	0	0	0	0	1	0	0
IL RTE 1 (HALSTED ST) AT MORGAN ST SE	0	0	0	0	0	0	0	0	0	0	0	0	0
IL RTE 1 (HALSTED ST) AT MORGAN ST SW	0	0	0	1	0	0	0	0	1	0	0	1	0
TOTAL	27	2	2	4	2	5	1	3	1	7	5	1	15

MODEL: D:\e\1
 FILE: NAME: C:\Engineering\Live\Projects\2005_IDOT_DUR\WO_1 - 62M01\CADD\CADD_Sheets\Civil\152M01-159th-Schedules of Quantities.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/7/2020	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES - ADA SIDEWALKS
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	7
CONTRACT NO. 62M01			ILLINOIS FED. AID PROJECT	

INTERSECTION	X4400221 CURB REM&REP <= 10FT FOOT	X4400501 COMB G&G REM REP <= 10FT FOOT	Z0004562 COMB CONC C&G REM AND REPL FOOT
IL RTE 1 (HALSTED ST) AT 159TH ST	0	0	148
IL RTE 1 (HALSTED ST) AT 158TH ST	0	0	160
IL RTE 1 (HALSTED ST) AT 157TH ST NE	10	0	27
IL RTE 1 (HALSTED ST) AT 157TH ST SE	0	0	24
IL RTE 1 (HALSTED ST) AT 157TH ST SW	0	0	40
IL RTE 1 (HALSTED ST) AT 156TH ST NE	0	0	34
IL RTE 1 (HALSTED ST) AT 156TH ST SE	0	0	24
IL RTE 1 (HALSTED ST) AT 155TH ST AND RR	0	0	30
IL RTE 1 (HALSTED ST) AT 155TH ST NE	0	0	43
IL RTE 1 (HALSTED ST) AT 150TH ST	0	38	26
IL RTE 1 (HALSTED ST) AT 149TH ST NW	0	0	25
IL RTE 1 (HALSTED ST) AT 149TH ST NE	0	0	31
IL RTE 1 (HALSTED ST) AT 149TH ST SW	0	30	0
IL RTE 1 (HALSTED ST) AT MORGAN ST SE	0	22	0
IL RTE 1 (HALSTED ST) AT MORGAN ST SW	0	25	0
TOTAL	10	115	612

MODEL Dwg1 2
FILE NAME: G:\Engineering\Live\Projects\2005 IDOT DURAWO 1 - 62M01\CADD\CADD Sheets\Civil\152M01.rch-Schedules of Quantities.dgn



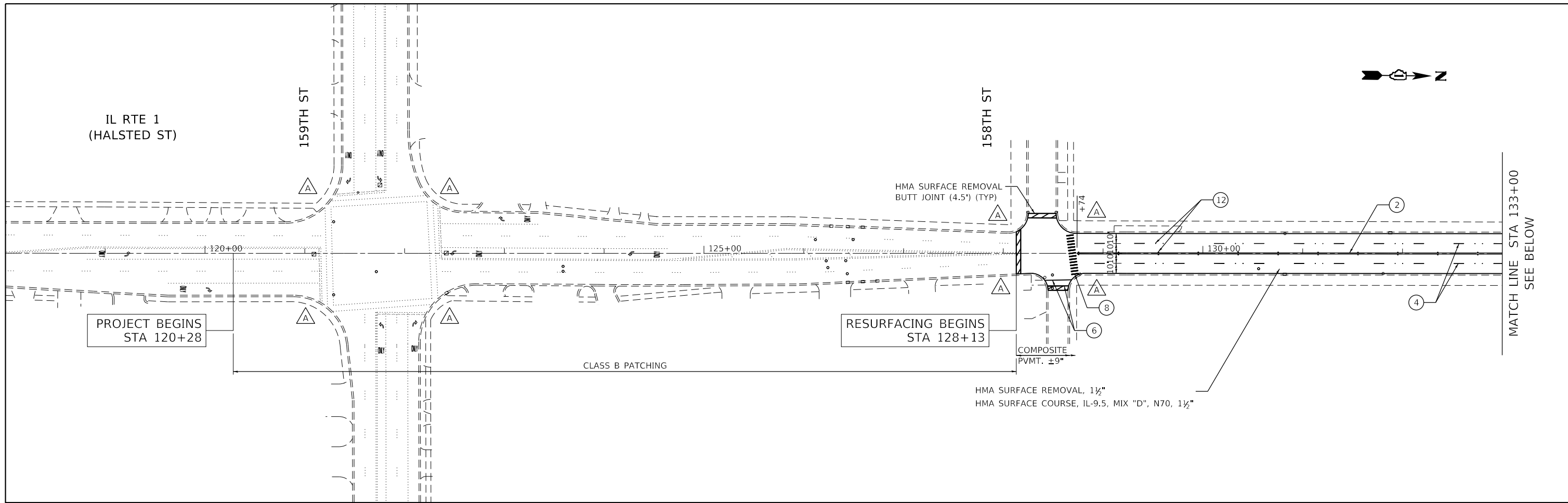
USER NAME = dwojck	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/7/2020	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES - ADA SIDEWALKS
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

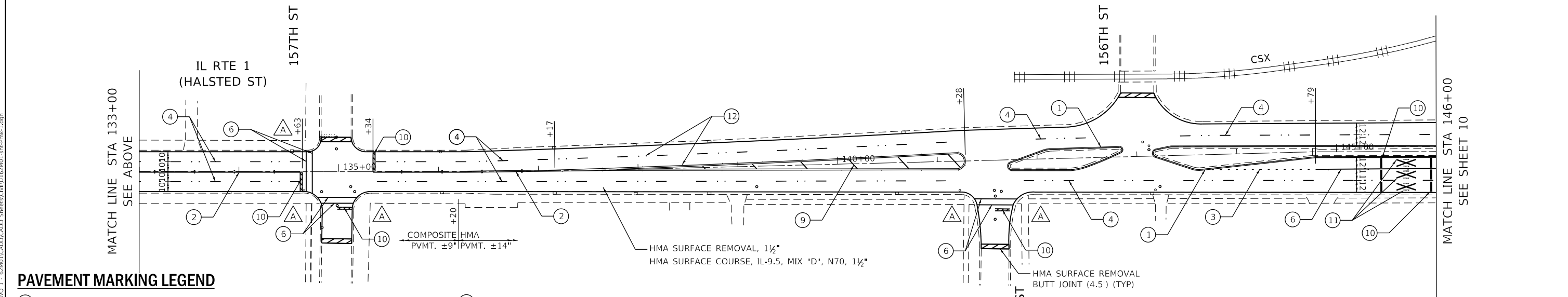
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	



SIDEWALK LEGEND

- △ CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- △ CURB RAMP IMPROVEMENT, SEE PD-03A
- △ CURB RAMP IMPROVEMENT, SEE PD-05A



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE, 11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 2'-6" DOT LINE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30" DASH LINE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID DIAGONAL @ 45°, 10' SPACING)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSSWALK @ 90°, 2' SPACING. SEE TC-13)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW SOLID DIAGONAL @ 45°, 75' SPACING, 5 MIN.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS

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 12 THROUGH 22 FOR ADA RAMP DETAILS.

MODEL: Default
 FILE: \\mhc-gs-engineering\live\projects\2005_IDOT_DURWO_1 - 62M01\CADD\CADD_Sheets\Civil\152M01-Left-Pk-1.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 10/14/2020	CHECKED - TGM	REVISED -
	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN I
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

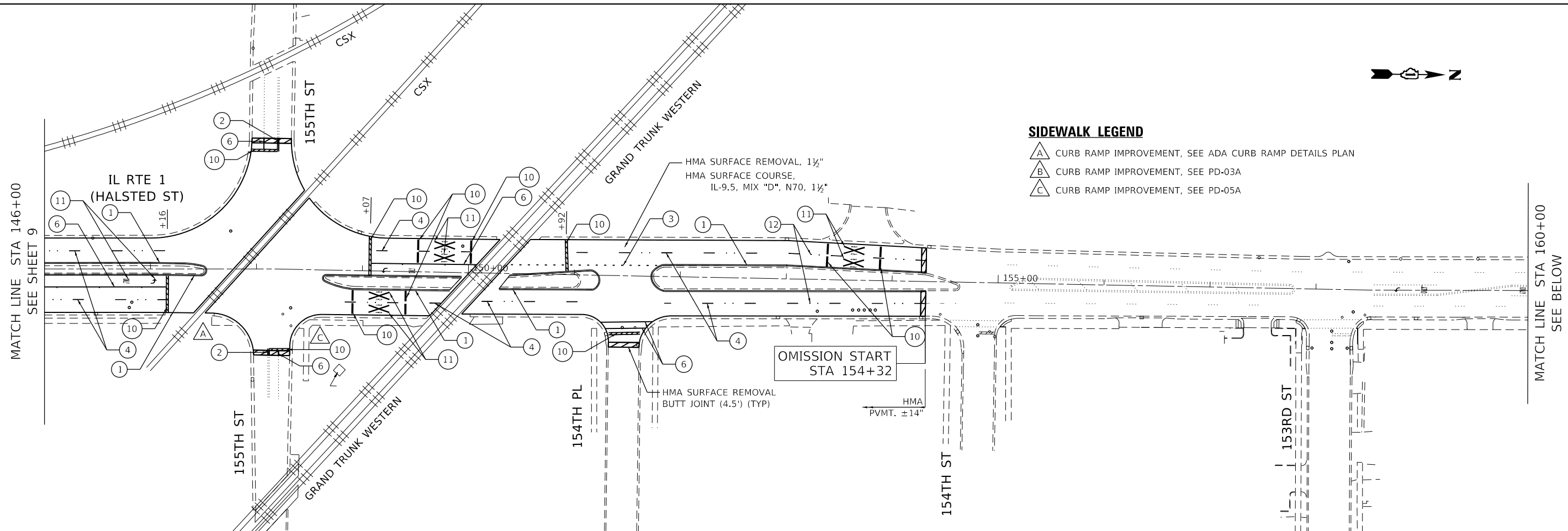
SCALE: SHEET OF SHEETS STA. 118+00 TO STA. 146+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	9
CONTRACT NO. 62M01			ILLINOIS FED. AID PROJECT	



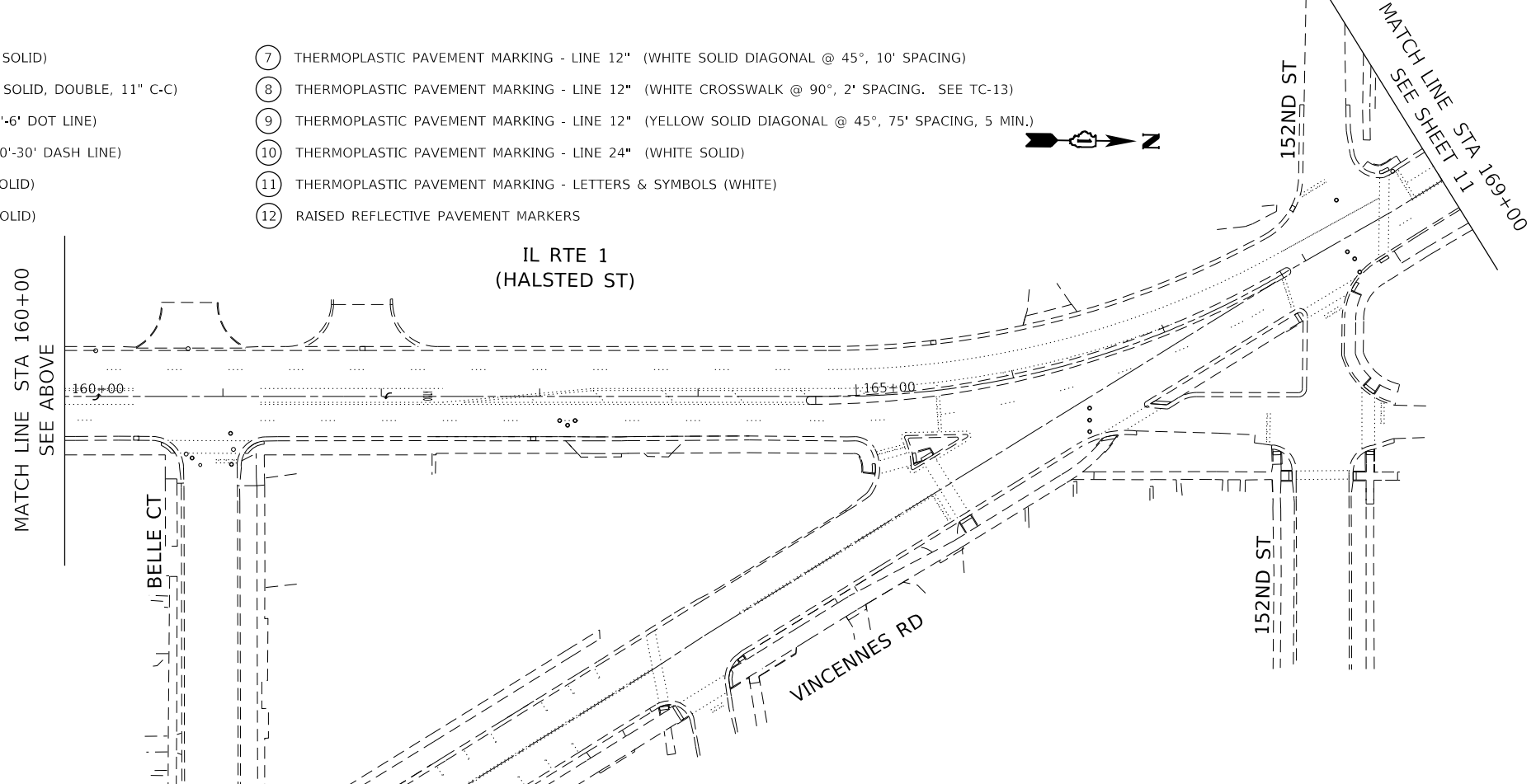
SIDEWALK LEGEND

- CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- CURB RAMP IMPROVEMENT, SEE PD-03A
- CURB RAMP IMPROVEMENT, SEE PD-05A



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE, 11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 2'-6" DOT LINE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30" DASH LINE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID DIAGONAL @ 45°, 10' SPACING)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSSWALK @ 90°, 2' SPACING. SEE TC-13)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW SOLID DIAGONAL @ 45°, 75' SPACING, 5 MIN.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS



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 12 THROUGH 22 FOR ADA RAMP DETAILS.

MODEL: Default
FILE: \\nas01\cadd\eng\lives\projects\2005\DOT\DRAWING\1 - 62M01\CADD\CADD_Sheets\Civil\152M01\crt-Pmk2.dgn



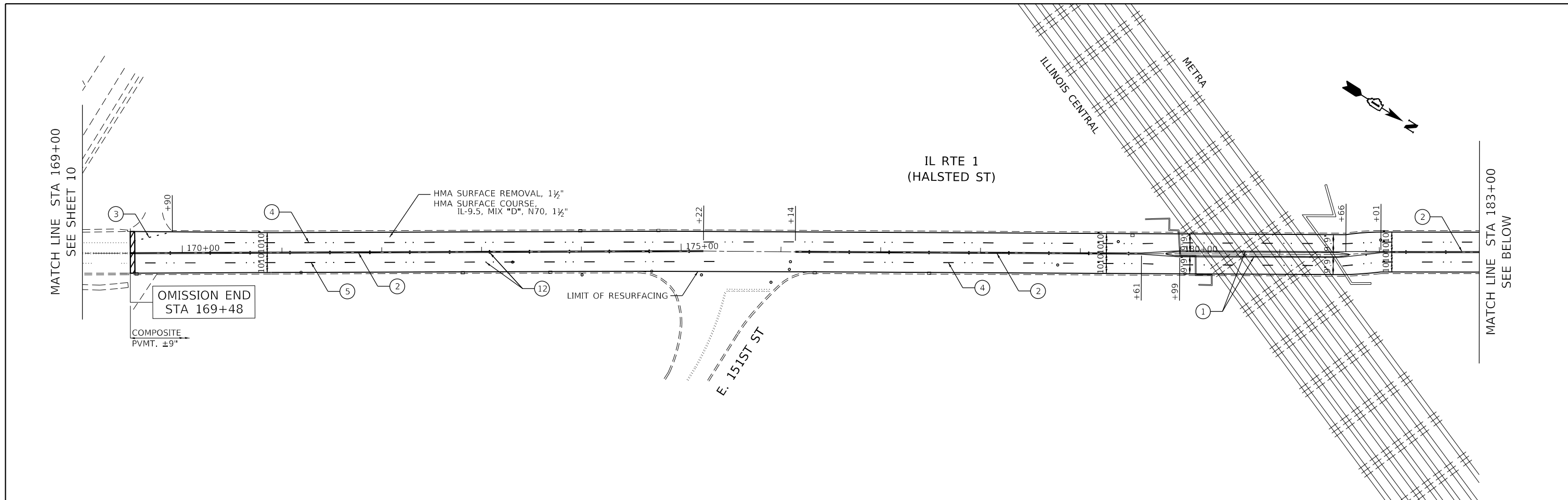
USER NAME = dwojck	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DW	REVISED -
PLOT DATE = 10/7/2020	CHECKED - TGM	REVISED -
	DATE - 10-07-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN II
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST**

SCALE: SHEET OF SHEETS STA. 146+00 TO STA. 169+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	10
CONTRACT NO.			62M01	
ILLINOIS		FED. AID PROJECT		



SIDEWALK LEGEND

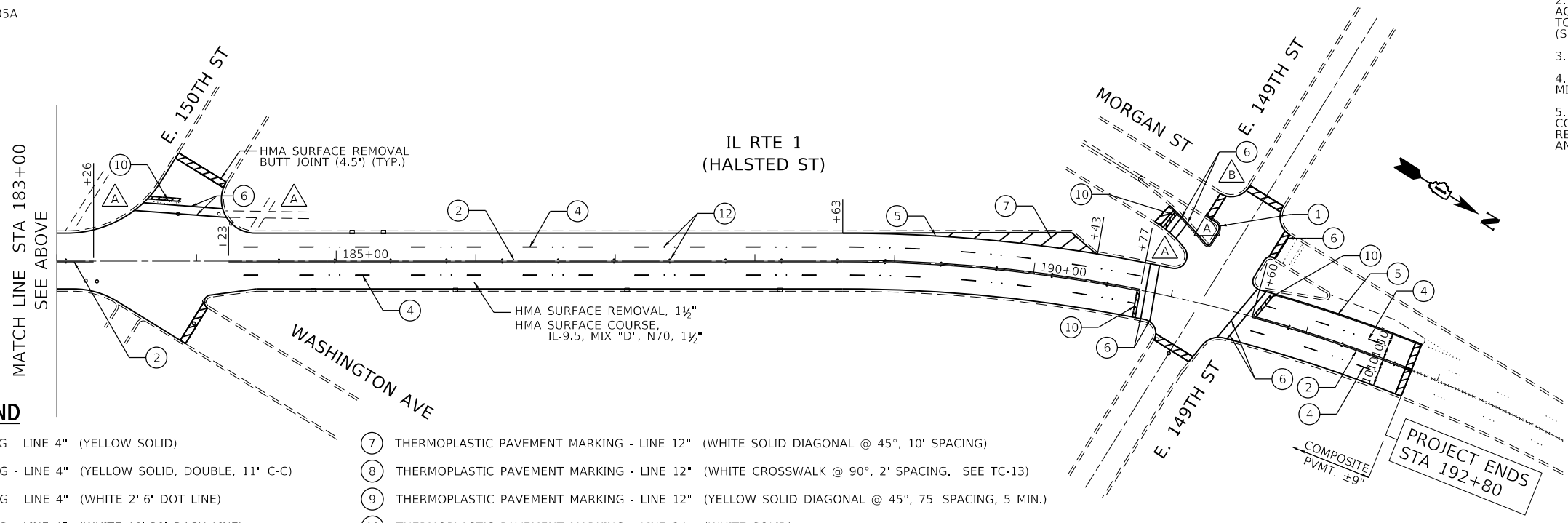
- CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN
- CURB RAMP IMPROVEMENT, SEE PD-03A
- CURB RAMP IMPROVEMENT, SEE PD-05A

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 12 THROUGH 22 FOR ADA RAMP DETAILS.
4. THE CONTRACTOR IS REQUIRED TO USE A SMALL MILLING MACHINE UNDER THE IC/METRA BRIDGE.
5. ONCE RESURFACING BELOW IC/METRA BRIDGE IS COMPLETE, VERTICAL CLEARANCE IS TO BE MEASURED BY RESIDENT ENGINEER AND REPORTED TO MAINTENANCE AND OPERATIONS IN SPRINGFIELD WITH FORM OPER1306.

PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID, DOUBLE, 11" C-C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 2'-6" DOT LINE) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30" DASH LINE) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID) | <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID DIAGONAL @ 45°, 10' SPACING) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSSWALK @ 90°, 2' SPACING. SEE TC-13) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW SOLID DIAGONAL @ 45°, 75' SPACING, 5 MIN.) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID) THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE) RAISED REFLECTIVE PAVEMENT MARKERS |
|--|--|



MODEL: Default
FILE: \\nas101.cadd\cadd\5\Sheet\CH\10152\M01-183-Pmk-3.dgn



USER NAME = dwojck	DESIGNED - DW	REVISED -
	DRAWN - DW	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/16/2020	DATE - 10-07-2020	REVISED -

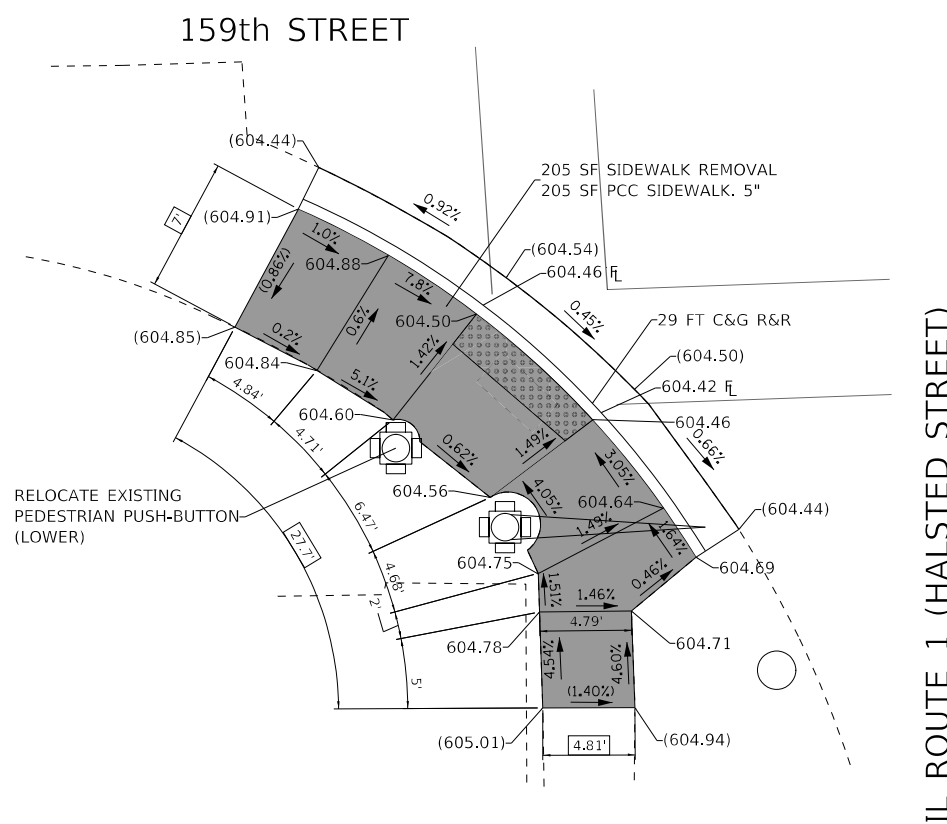
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN III	
IL RTE 1 (HALSTED ST) 159TH ST TO 149TH ST	
SCALE:	SHEET OF SHEETS STA. 169+00 TO STA. 194+00

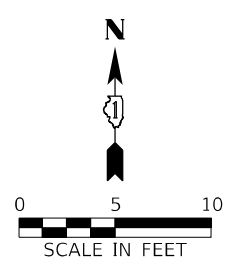
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	11
CONTRACT NO. 62M01			ILLINOIS FED. AID PROJECT	

...:\p\dtdr\p\d\p\dwg\B\W_Default.plt
 ...:\CAD\p\p\p\200777_Pen.tbl
 ...:\corpb\p\p\p\200777_Accurate Var Ph IlCAD\W01 ADA Ramps\Sheets\200777_S54-SHT-ADA Details_01.dgn

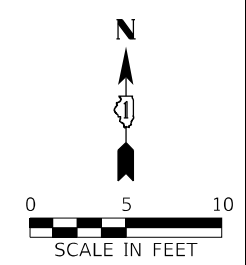
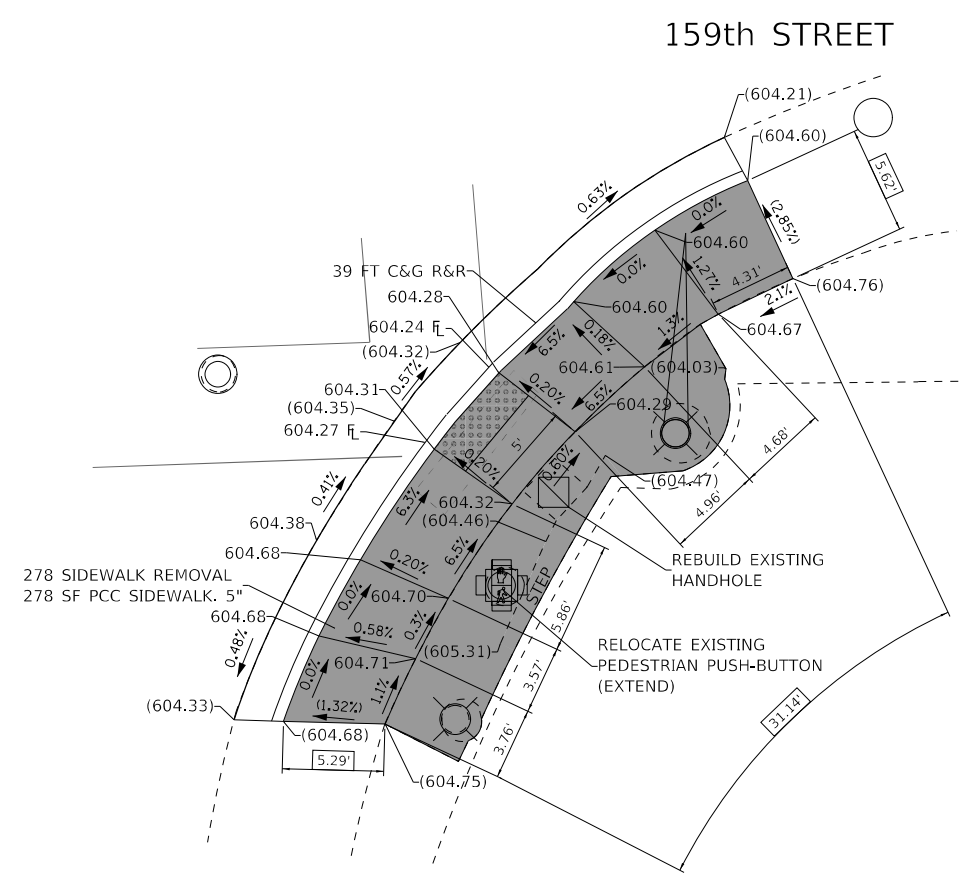
COPYRIGHT © 2019 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning 10/15/2020 2:14:53 PM
 FILE NAME: ...:\corpb\p\p\p\200777_Accurate Var Ph IlCAD\W01 ADA Ramps\Sheets\200777_S54-SHT-ADA Details_01.dgn



IL ROUTE 1 (HALSTED STREET)



IL ROUTE 1 (HALSTED STREET)



REFERENCE BENCHMARK ELEV 606.45

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT AT THE SW CORNER OF ILL 1 (HALSTED STREET) AND 159TH STREET

LEGEND

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

REFERENCE BENCHMARK ELEV 606.45

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT AT THE SW CORNER OF ILL 1 (HALSTED STREET) AND 159TH STREET



USER NAME = morning	DESIGNED - AFK	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5.0000' / 1 in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_S54-SHT-ADA Details_01.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS

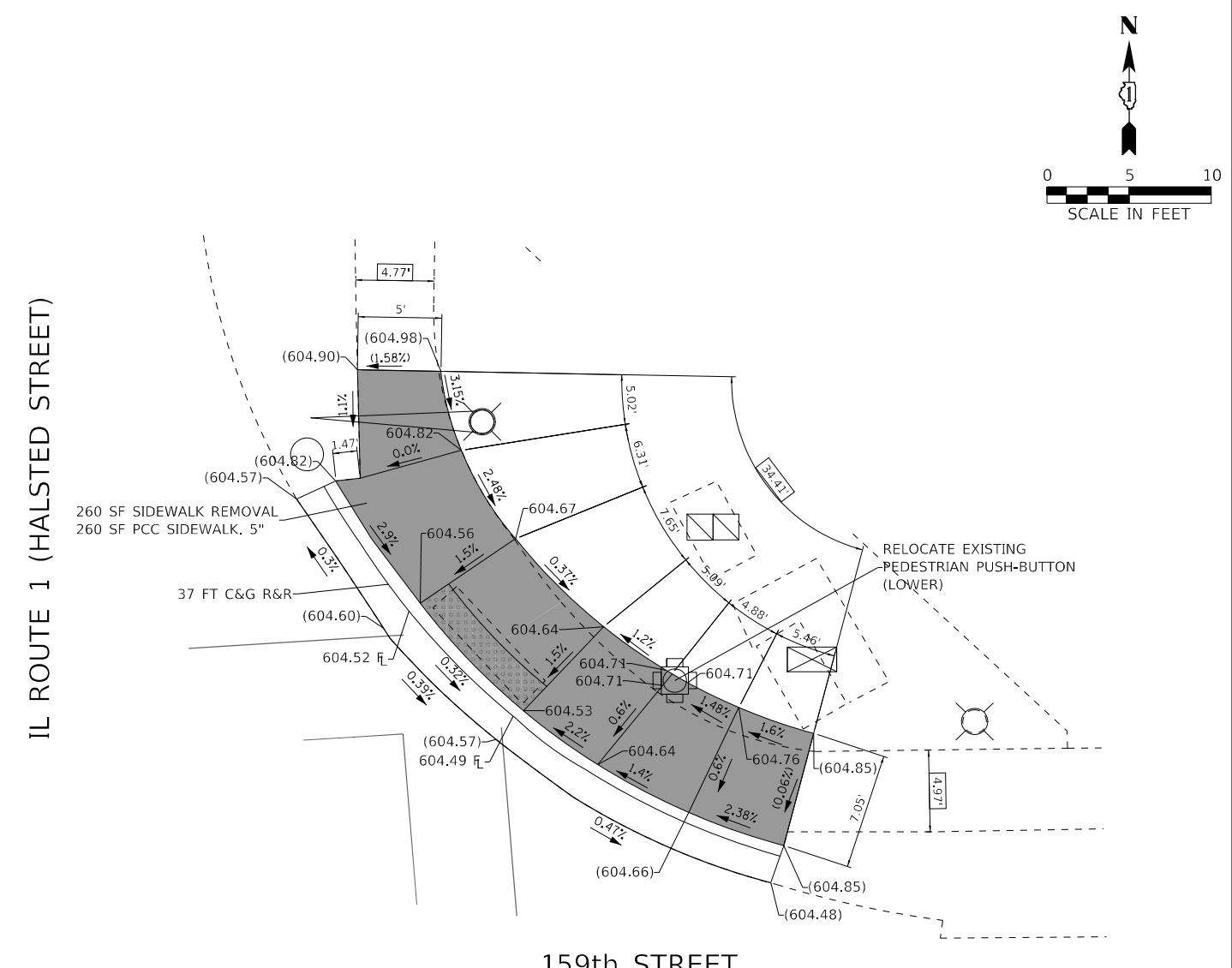
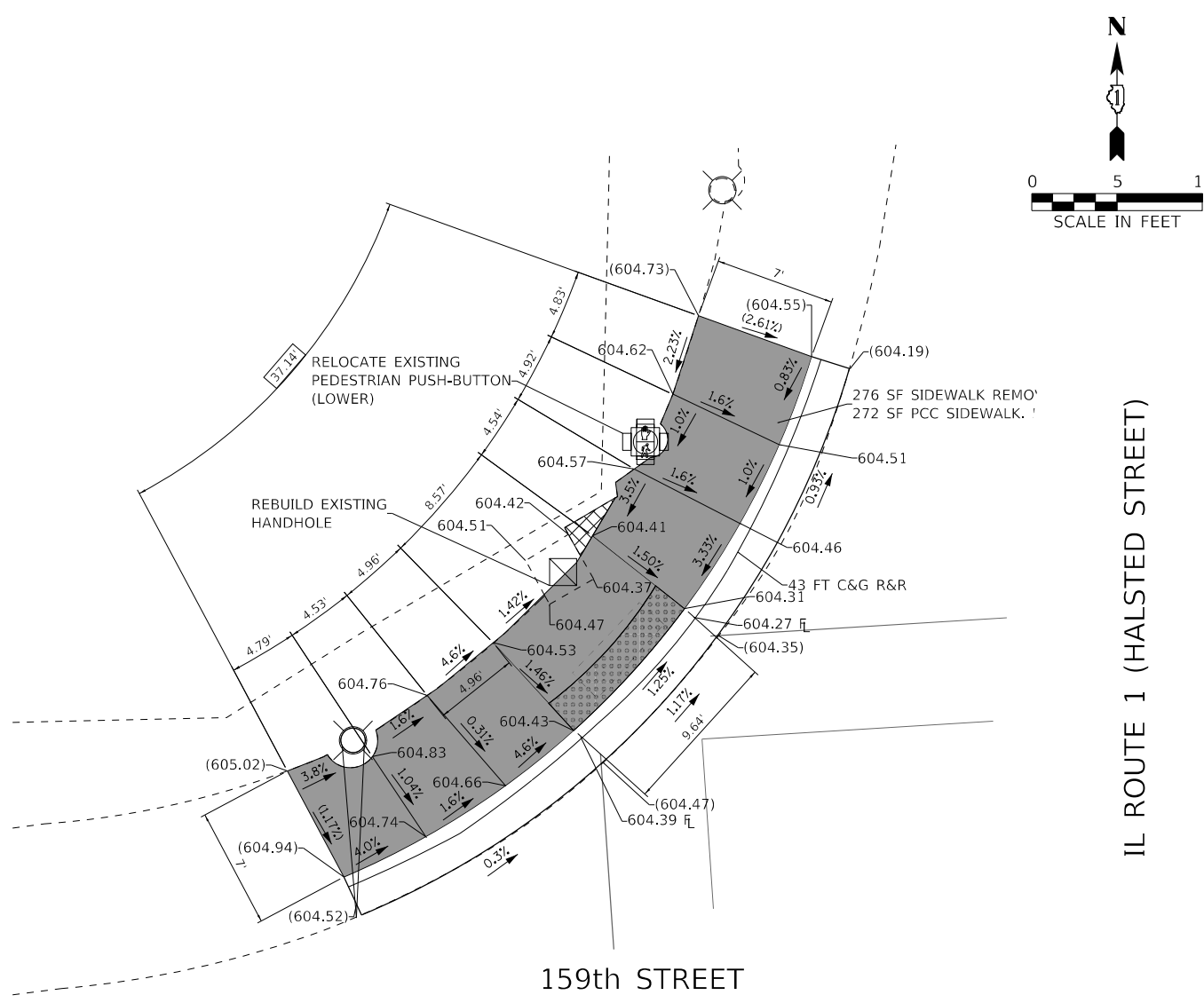
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	12
CONTRACT NO. 62M01				

ILLINOIS FED. AID PROJECT

COPYRIGHT © 2019 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\baxwood\Projects\Crystal Lake\DOT\200777-SS4-SHT-ADA Details_02.dgn
 FILE NAME: \\c:\baxwood\Projects\Crystal Lake\DOT\200777-SS4-SHT-ADA Details_02.dgn



IL ROUTE 1 (HALSTED STREET)

IL ROUTE 1 (HALSTED STREET)

LEGEND

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

REFERENCE BENCHMARK ELEV 606.45
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT AT THE SW CORNER OF ILL 1 (HALSTED STREET) AND 159TH STREET

REFERENCE BENCHMARK ELEV 606.45
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT AT THE SW CORNER OF ILL 1 (HALSTED STREET) AND 159TH STREET



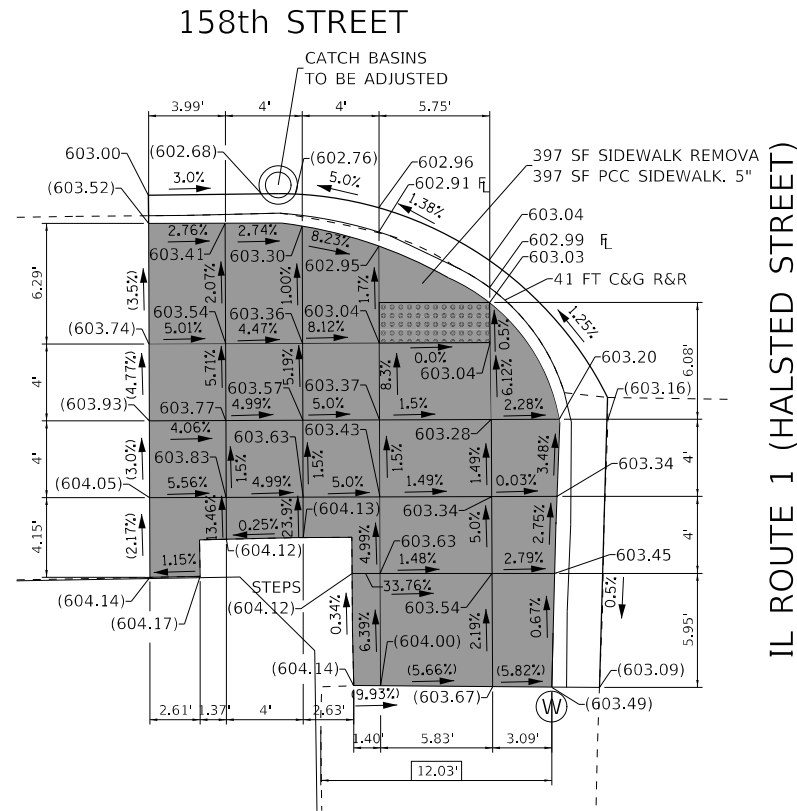
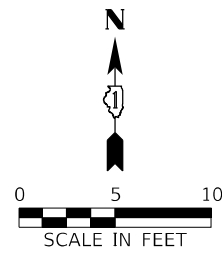
USER NAME = morning	DESIGNED - AFK	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_S54-SHT-ADA Details_02.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

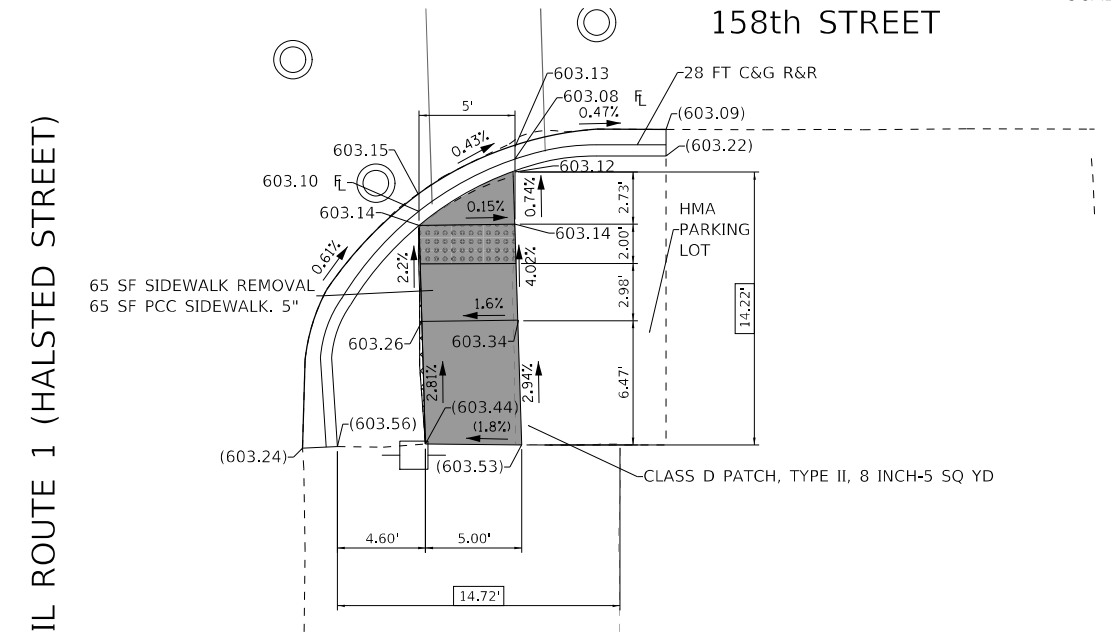
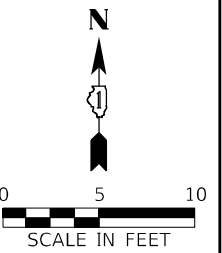
ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST
 SCALE: 1"=5' SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	13
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

NOTE:
ROW LOCATION IS NOT KNOWN. A MEP MAY BE
REQUIRED FOR STEEP SLOPES MATCHING THE BOTTOM
OF THE BUILDING STEPS DEPENDING ON THE ROW LOCATION



IL ROUTE 1 (HALSTED STREET)



IL ROUTE 1 (HALSTED STREET)

COPY/RIGHT © 2019, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\corpb.baxwood.com\Projects\Crystal Lake\ILDOT\200777-ADA Ramp\Sheets\200777-SS4-SHT-ADA Details_03.dgn

REFERENCE BENCHMARK ELEV 604.93

BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE AT THE NW CORNER OF ILL 1 (HALSTED ST) AND 158TH STREET

LEGEND

- XX.XX' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL & SOD
- SIDEWALK REMOVAL
REPLACE W/ HMA PAVEMENT

REFERENCE BENCHMARK ELEV 604.93

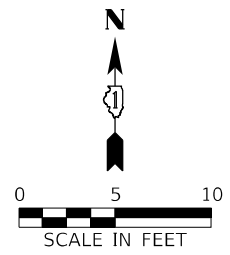
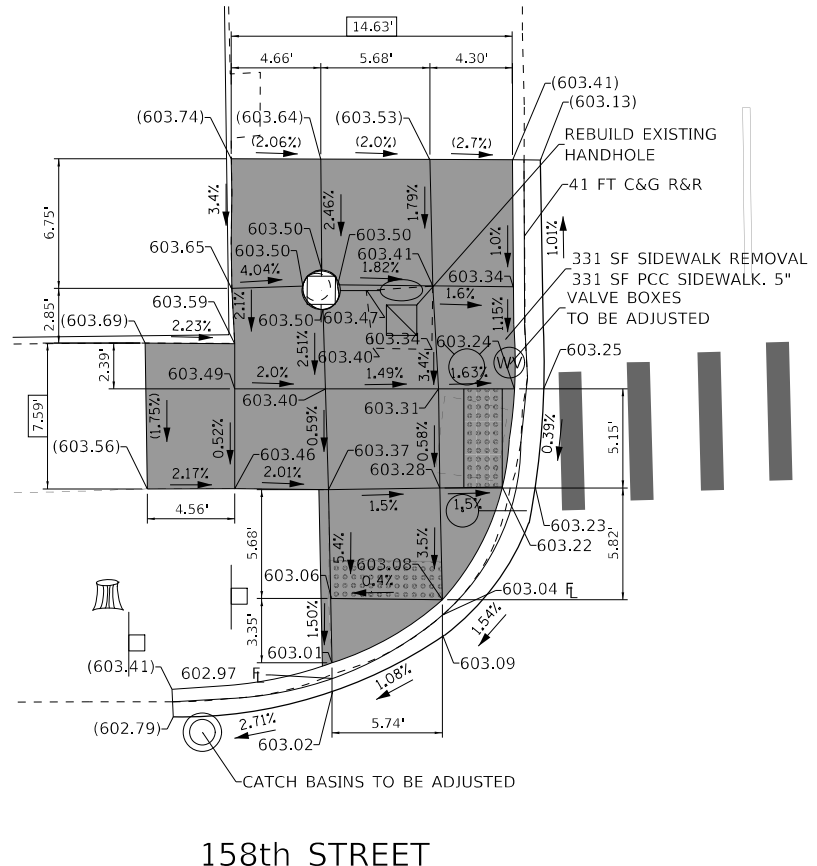
BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE AT THE NW CORNER OF ILL 1 (HALSTED ST) AND 158TH STREET

BAXTER & WOODMAN Consulting Engineers	USER NAME = morning	DESIGNED - AFK	REVISED -
		DRAWN - MJO	REVISED -
	PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
	PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_03.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

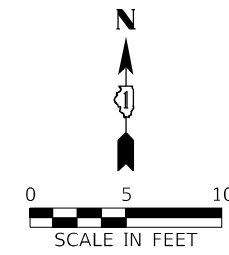
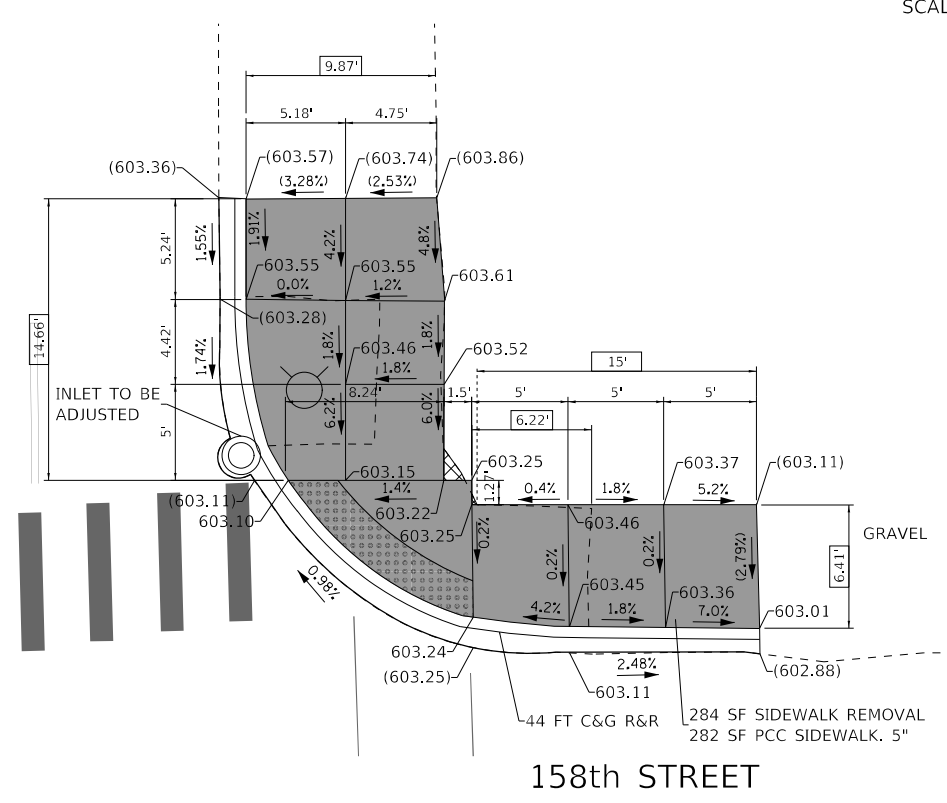
ADA SIDEWALK DETAILS			
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST			
SCALE: 1"=5'	SHEET 3 OF 11 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	14
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				



IL ROUTE 1 (HALSTED STREET)

158th STREET



IL ROUTE 1 (HALSTED STREET)

158th STREET

LEGEND

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

REFERENCE BENCHMARK ELEV 604.93
BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE AT THE NW CORNER OF ILL 1 (HALSTED ST) AND 158TH STREET

REFERENCE BENCHMARK ELEV 604.93
BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE AT THE NW CORNER OF ILL 1 (HALSTED ST) AND 158TH STREET

COPY/RIGHT © 2019, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS, PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\ILDOT\200777-SS4-SHT-ADA Details_04.dgn



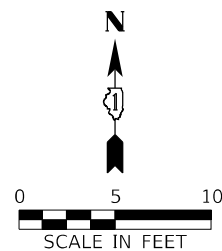
USER NAME = morning	DESIGNED - AFK	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_S54-SHT-ADA Details_04.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

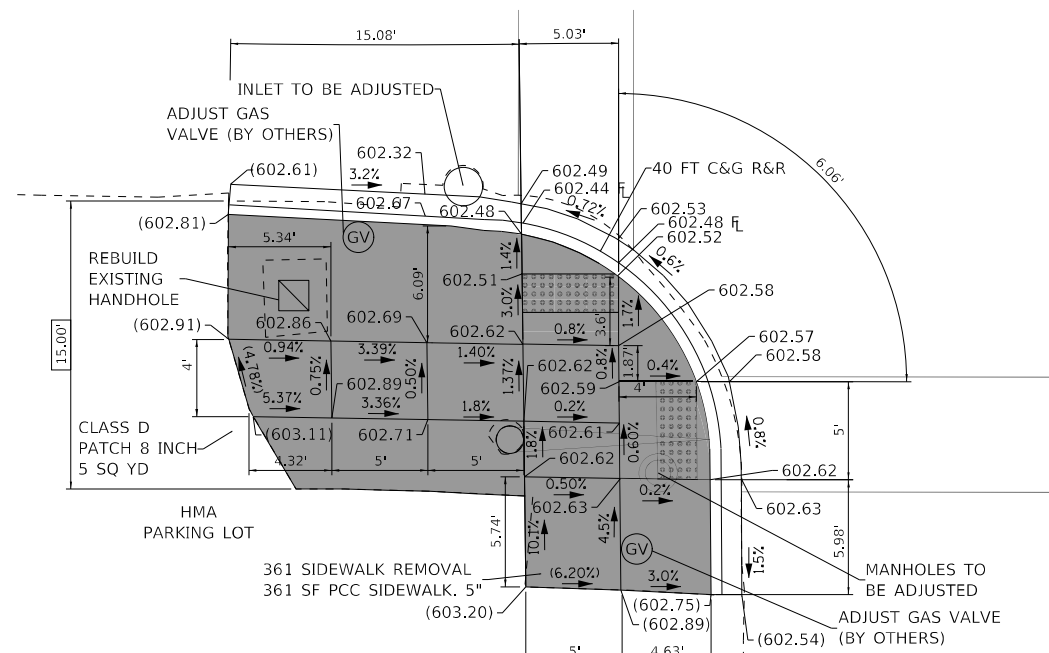
ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

SCALE: 1"=5' SHEET 4 OF 11 SHEETS STA. TO STA.

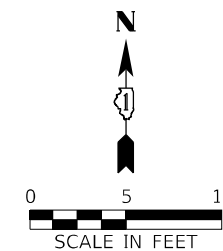
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	15
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				



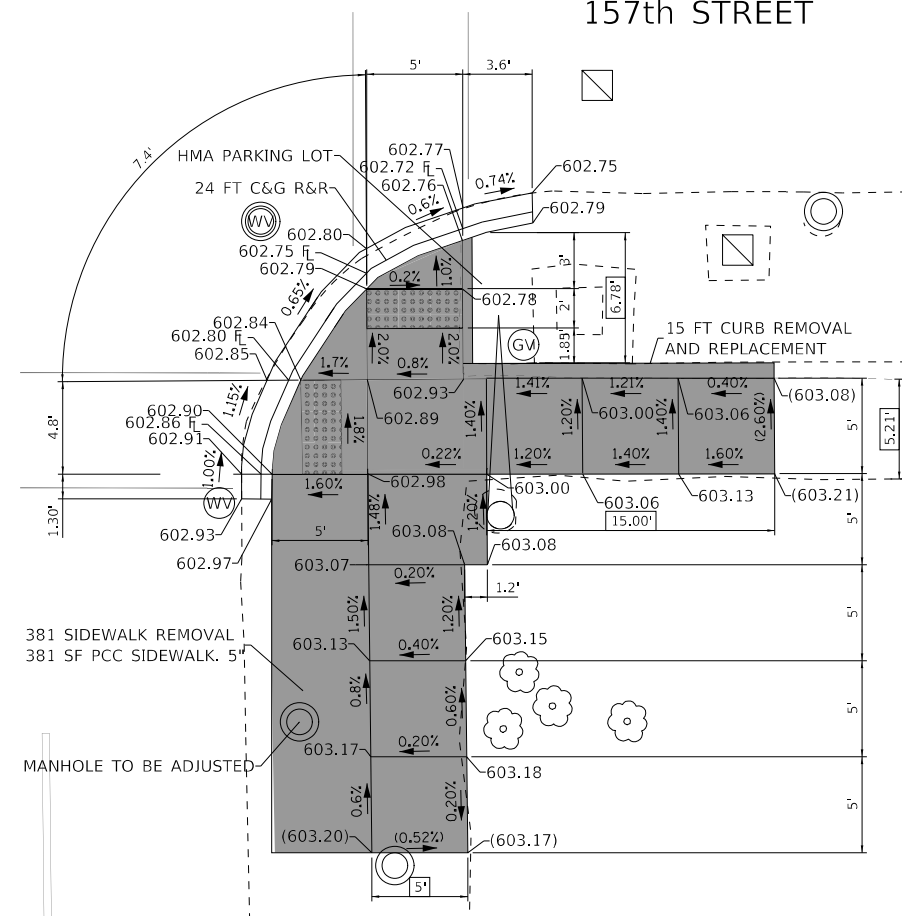
157th STREET



IL ROUTE 1 (HALSTED STREET)



157th STREET



IL ROUTE 1 (HALSTED STREET)

COPYRIGHT © 2019, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2020 morning 10/15/2020 2:14:56 PM FILE NAME: \\c:\p\p\woodman\projects\Crystal Lake\ILDOT\200777-ADA Ramp\Sheets\200777_S54-SHT-ADA Details_05.dgn

COPYRIGHT © 2019, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2020 morning 10/15/2020 2:14:56 PM FILE NAME: \\c:\p\p\woodman\projects\Crystal Lake\ILDOT\200777-ADA Ramp\Sheets\200777_S54-SHT-ADA Details_05.dgn

LEGEND

XX.XX'

EXISTING LENGTH

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/ TOPSOIL & SOD



SIDEWALK REMOVAL
REPLACE W/ HMA PAVEMENT

REFERENCE BENCHMARK ELEV 603.76

BENCHMARK: CUT CROSS ON NE SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT SW CORNER OF ILL 1 (HALSTED ST) AND 157TH STREET

REFERENCE BENCHMARK ELEV 603.76

BENCHMARK: CUT CROSS ON NE SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT SW CORNER OF ILL 1 (HALSTED ST) AND 157TH STREET

BAXTER & WOODMAN
Consulting Engineers

USER NAME = morning	DESIGNED - CJC	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000 ' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_S54-SHT-ADA Details_05.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

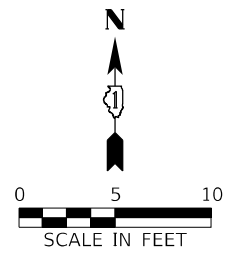
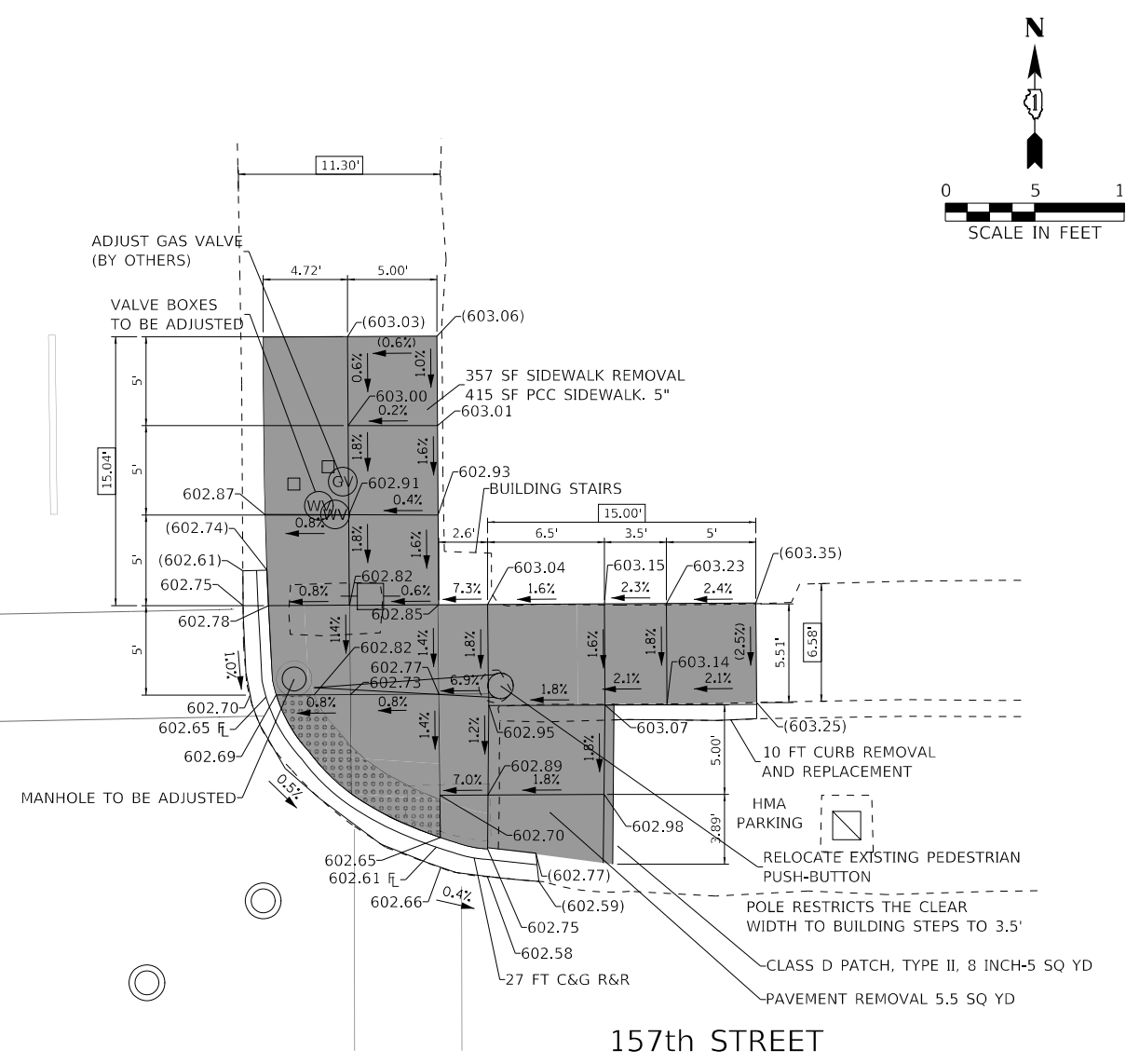
ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	16
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

COPYRIGHT © 2019 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\p\ba\wood\proj\crystal\lake\il\DOT\200777_554-SHT-ADA Details_06.dgn

IL ROUTE 1 (HALSTED STREET)



157th STREET

LEGEND

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

REFERENCE BENCHMARK ELEV 603.76
 BENCHMARK: CUT CROSS ON NE SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT SW CORNER OF ILL 1 (HALSTED ST) AND 157TH STREET

BAXTER & WOODMAN <small>Consulting Engineers</small>	USER NAME = morning	DESIGNED - CJC	REVISED -
		DRAWN - MJO	REVISED -
	PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
	PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_06.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

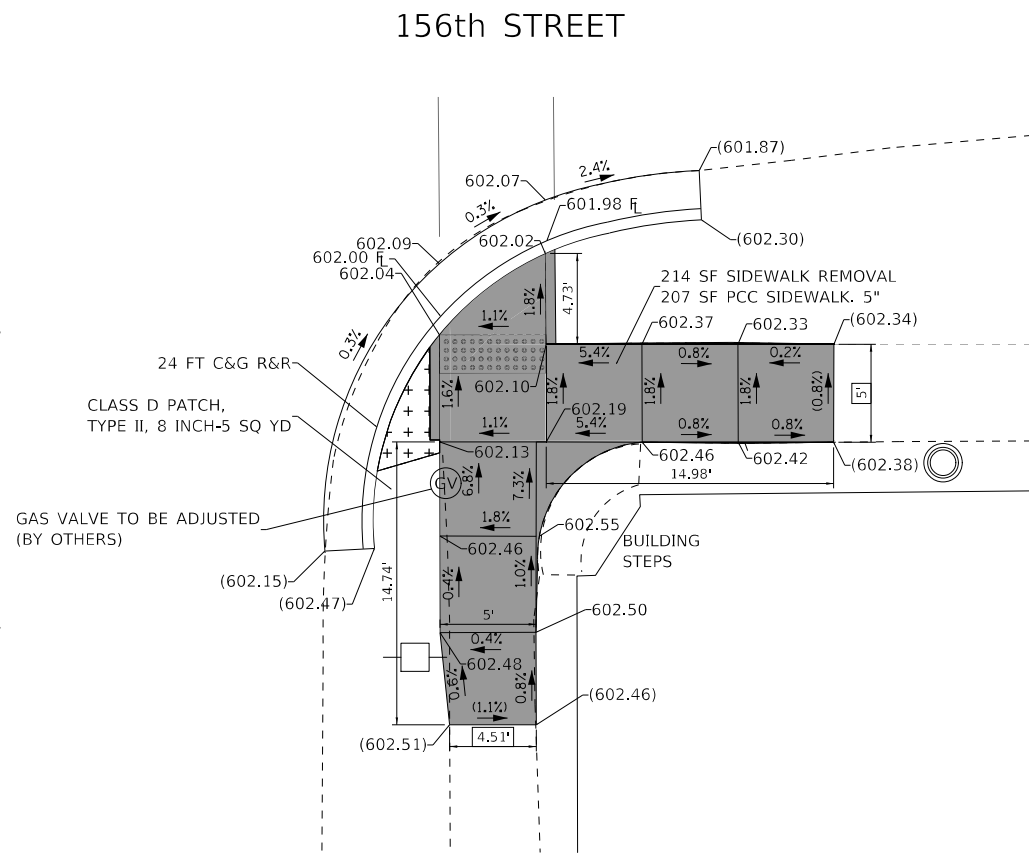
ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

SCALE: 1"=5' SHEET 6 OF 11 SHEETS STA. TO STA.

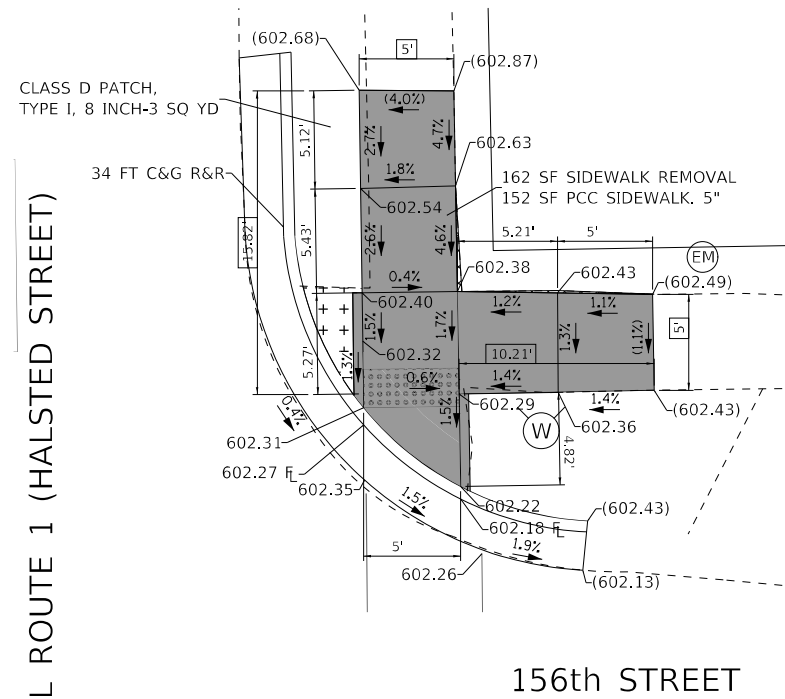
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	17
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

COPY/RIGHT © 2019, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning 10/15/2020 2:14:58 PM
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\DOT\200777-554-SHT-ADA Details_07.dgn
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\DOT\200777-554-SHT-ADA Details_07.dgn
 ...\\dotdrv\pdf\BW_Default.plt
 ...\\CAD\Plots\200777_Pen.tbl
 \\c:\baxwood\com\Projects\Crystal Lake\DOT\200777-Accurate Var Ph IICAD\W01 ADA Ramps\Sheets\200777_554-SHT-ADA Details_07.dgn

IL ROUTE 1 (HALSTED STREET)



IL ROUTE 1 (HALSTED STREET)



LEGEND

XX.XX'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL



REPLACE W/ TOPSOIL & SOD
 SIDEWALK REMOVAL
 REPLACE W/ HMA PAVEMENT

REFERENCE BENCHMARK ELEV 603.50

BENCHMARK: NORTH NORTHWEST FLANGE BOLT OF FIRE HYDRANT AT THE NE CORNER OF ILL 1 (HALSTED ST) AND 156TH STREET

REFERENCE BENCHMARK ELEV 603.50

BENCHMARK: NORTH NORTHWEST FLANGE BOLT OF FIRE HYDRANT AT THE NE CORNER OF ILL 1 (HALSTED ST) AND 156TH STREET



USER NAME = morning	DESIGNED - AKS	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5.0000' / 1 in.	CHECKED - RWL	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_07.dgn

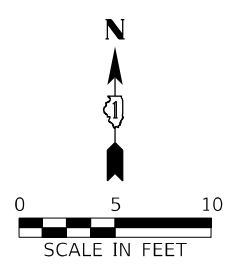
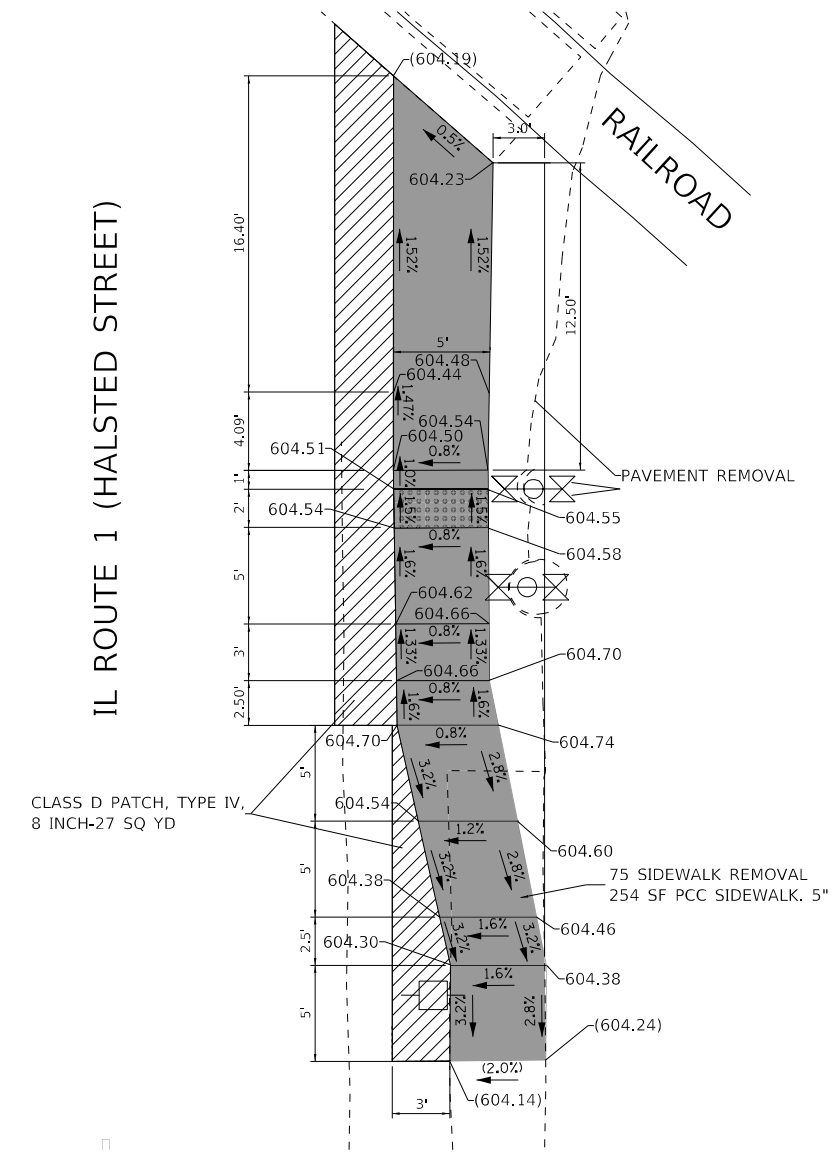
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS	
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST	
SCALE: 1"=5'	SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	18
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

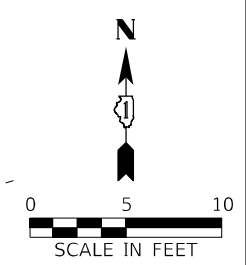
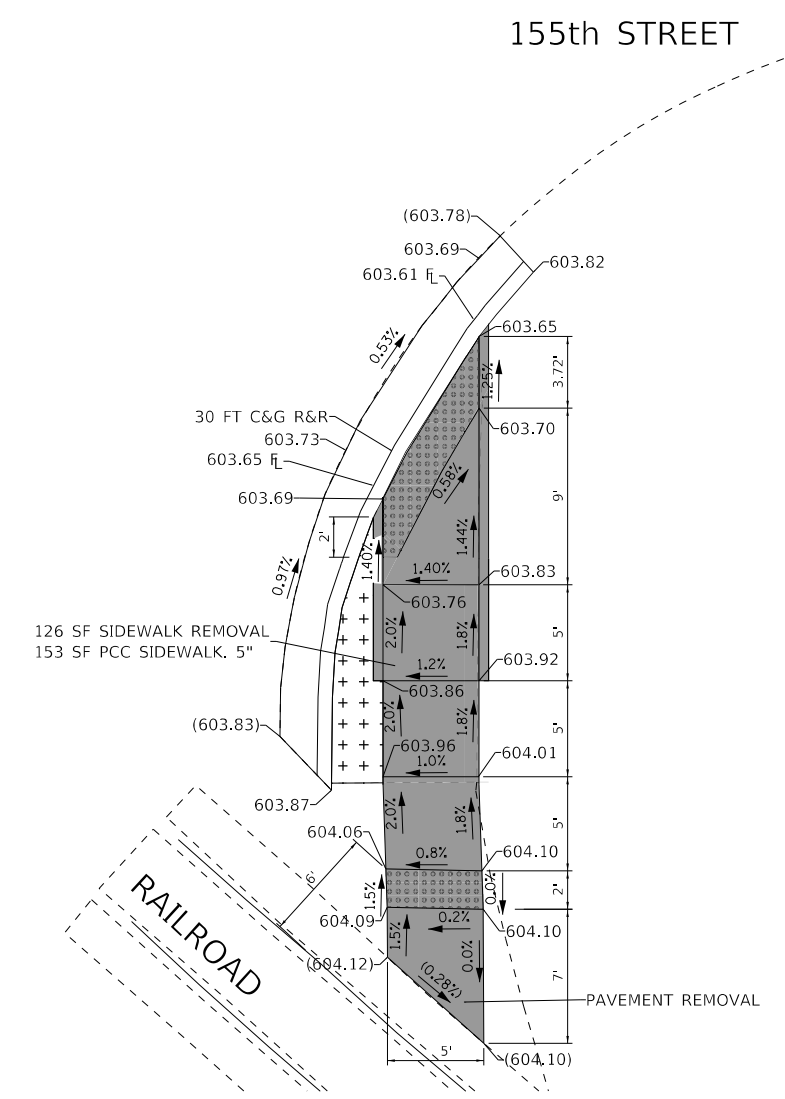
COPY/RIGHT © 2019, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\p\ba\woodman\projects\Crystal Lake\ILDOT\200777-554-SHT-ADA Details_08.dgn

IL ROUTE 1 (HALSTED STREET)



155th AND HALSTED (IL 1) NORTHEAST CORNER TO BE BUILT ACCORDING TO STANDARD PD-05A. WILL REQUIRE HMA REPLACEMENT AS WELL.

IL ROUTE 1 (HALSTED STREET)



- NOTES:**
1. NO RAILROAD GATE ON THIS SIDEWALK APPROACH.
 2. DETECTABLE WARNING SHALL BE PLACED 6' FROM NEAREST RAIL.

LEGEND

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

REFERENCE BENCHMARK ELEV 605.61

BENCHMARK: RAILROAD SPIKE IN NORTH FACE OF POWER POLE AT THE SE CORNER OF ILL 1 (HALSTED ST) AND 155TH STREET

REFERENCE BENCHMARK ELEV 605.61

BENCHMARK: RAILROAD SPIKE IN NORTH FACE OF POWER POLE AT THE SE CORNER OF ILL 1 (HALSTED ST) AND 155TH STREET



USER NAME = mornig	DESIGNED - CJC	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_08.dgn

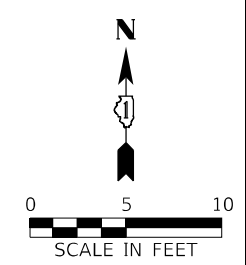
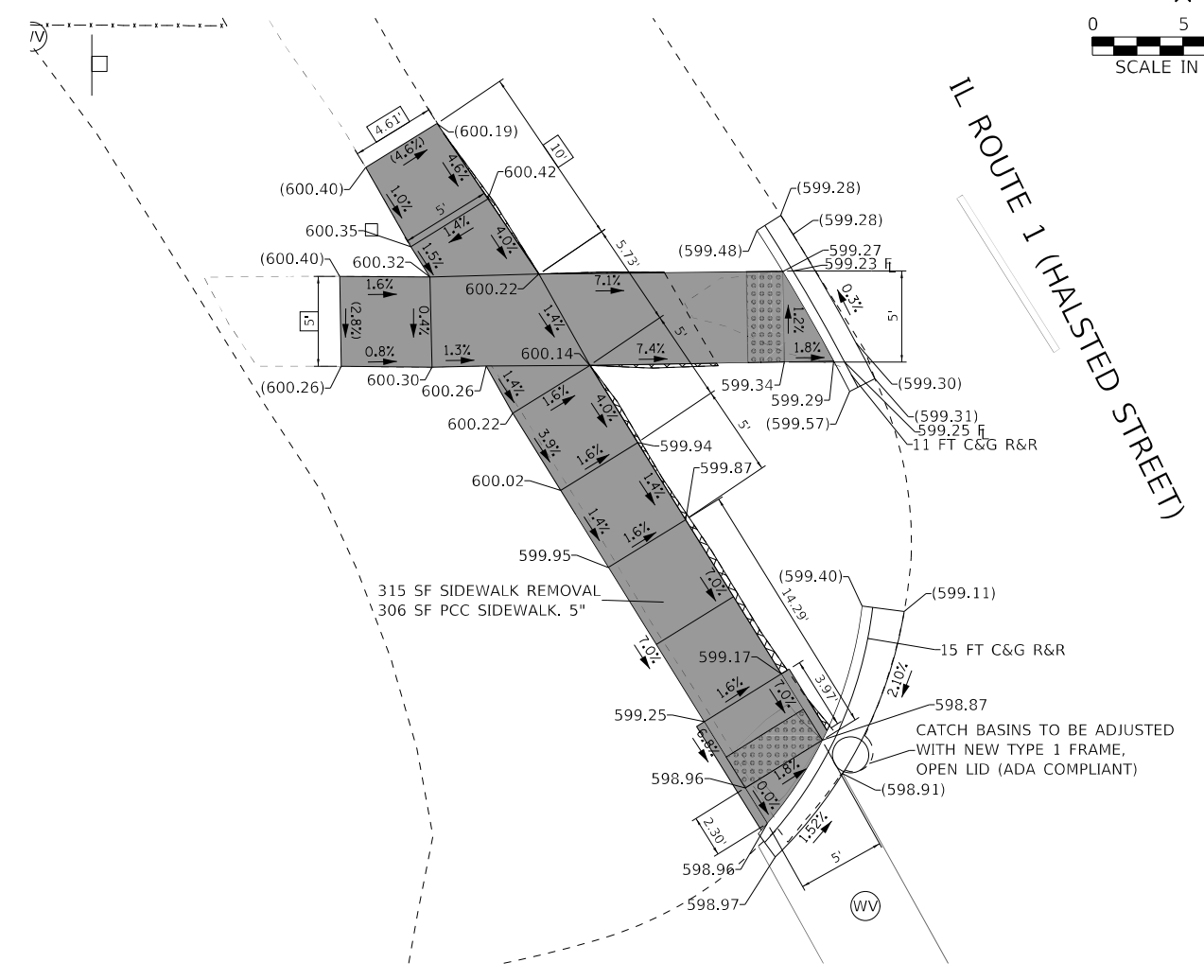
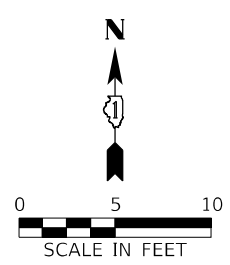
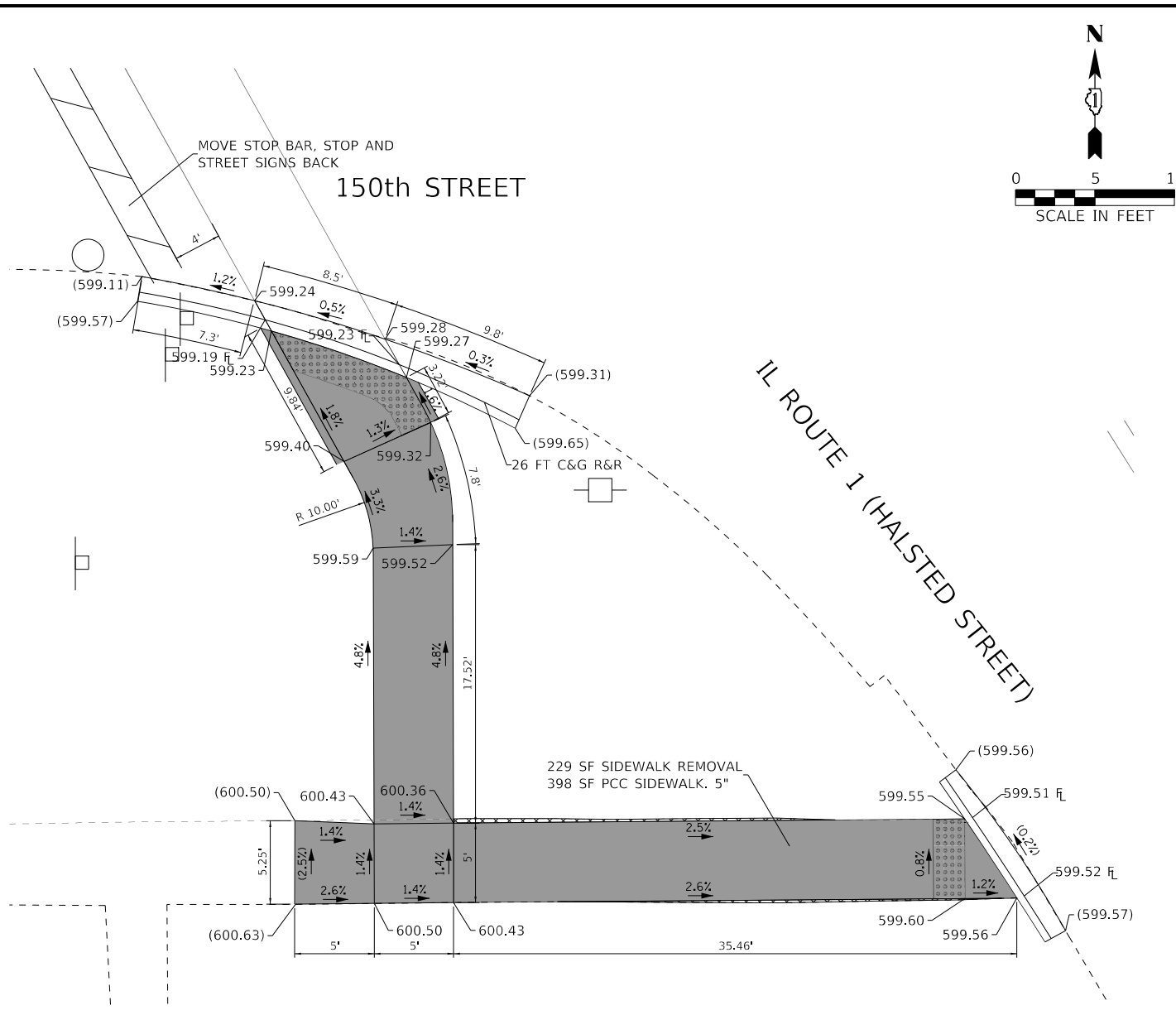
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	19
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' SHEET 8 OF 11 SHEETS STA. TO STA.

COPYRIGHT © 2019, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001211 - EXPIRES 4/30/2020
 morning 10/15/2020 2:15:00 PM
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\DOT\200777-ADA Details_10.dgn



REFERENCE BENCHMARK ELEV 600.53
 BENCHMARK: CUT CROSS IN CENTERLINE OF CONCRETE WALK LOCATED ON NORTH SIDE OF 150TH STREET
 LOCATION: APPROX. 60 FEET WEST OF CURB LINE OF HALSTED STREET AT THE HOUSE NO. 276

LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
 	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
			SIDEWALK REMOVAL REPLACE W/ HMA PAVEMENT

REFERENCE BENCHMARK ELEV 600.53
 BENCHMARK: CUT CROSS IN CENTERLINE OF CONCRETE WALK LOCATED ON NORTH SIDE OF 150TH STREET
 LOCATION: APPROX. 60 FEET WEST OF CURB LINE OF HALSTED STREET AT THE HOUSE NO. 276



USER NAME = morning	DESIGNED - AKS	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - RWL	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_10.dgn

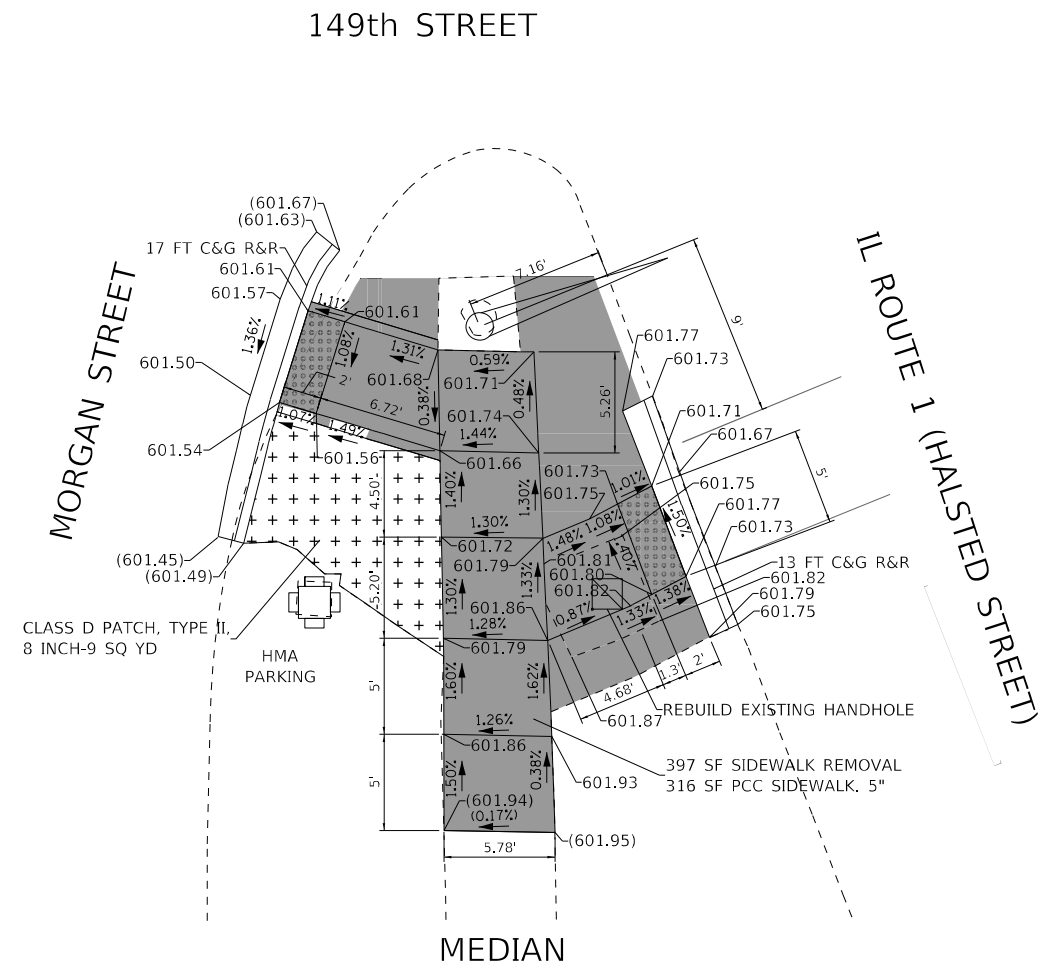
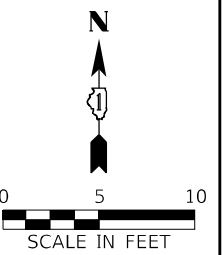
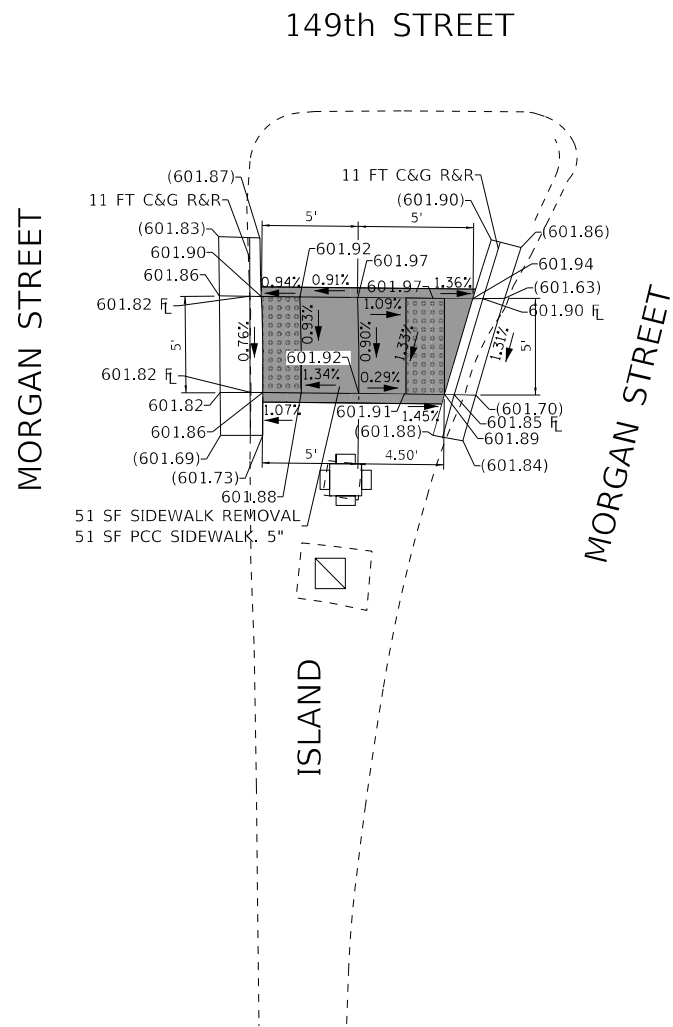
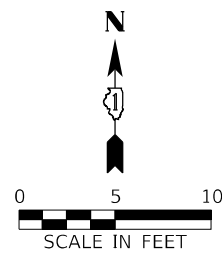
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	20
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' SHEET 9 OF 11 SHEETS STA. TO STA.

MORGAN STREET AND 149th STREET SOUTHWEST CORNER TO BE BUILT ACCORDING TO STANDARD PD-03A.



COPY/RIGHT © 2019 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\DOT\200777-ADA Ramp\Sheets\200777-SS4-SHT-ADA Details_11.dgn

REFERENCE BENCHMARK ELEV 600.91

BENCHMARK: CUT SQUARE ON WEST SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT NE CORNER OF ILL 1 (HALSTED ST) AND 149TH STREET

REFERENCE BENCHMARK ELEV 600.91

BENCHMARK: CUT SQUARE ON WEST SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT NE CORNER OF ILL 1 (HALSTED ST) AND 149TH STREET

LEGEND

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



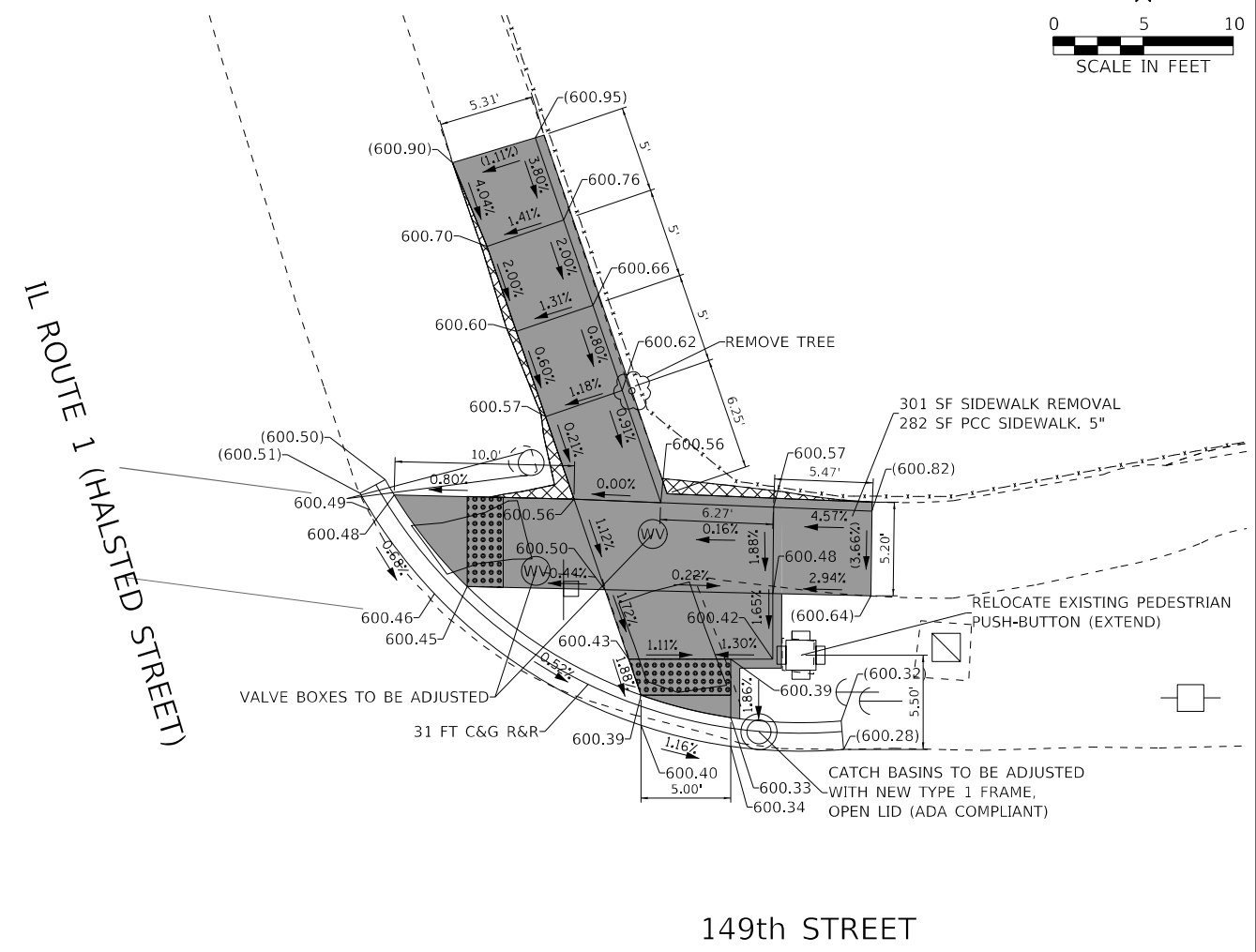
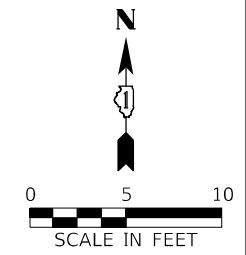
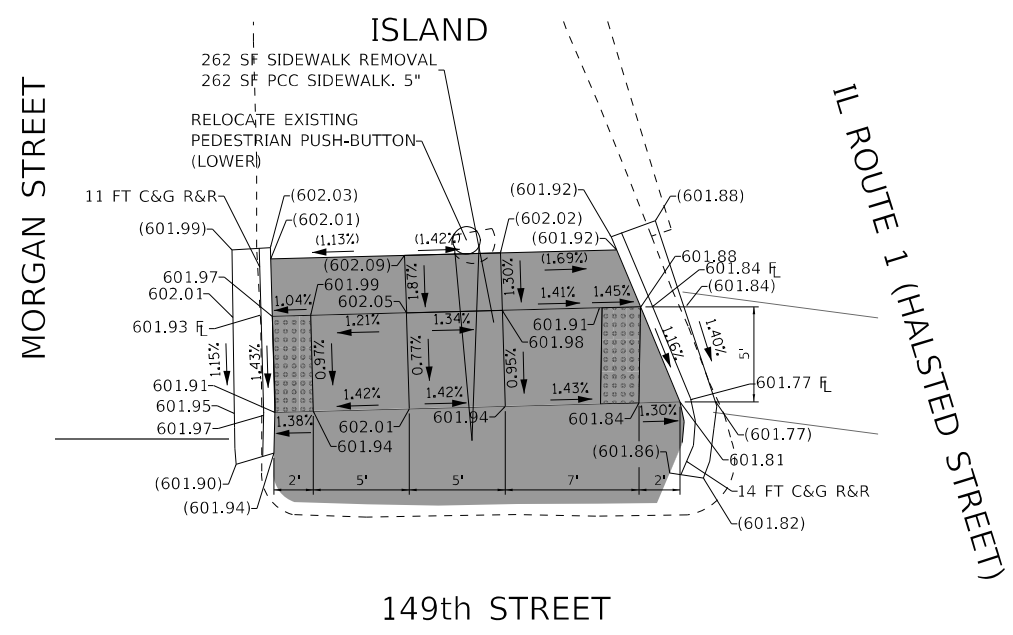
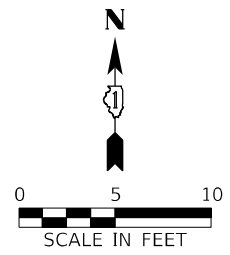
USER NAME = morning	DESIGNED - CJC	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_S54-SHT-ADA Details_11.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

SCALE: 1"=5' SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	21
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				



COPYRIGHT © 2019 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
 morning
 FILE NAME: \\c:\baxwood\com\Projects\Crystal Lake\ILDOT\200777-554-SHT-ADA Details_12.dgn

REFERENCE BENCHMARK ELEV 600.91

BENCHMARK: CUT SQUARE ON WEST SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT NE CORNER OF ILL 1 (HALSTED ST) AND 149TH STREET

LEGEND

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

REFERENCE BENCHMARK ELEV 600.91

BENCHMARK: CUT SQUARE ON WEST SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL MAST ARM AT NE CORNER OF ILL 1 (HALSTED ST) AND 149TH STREET



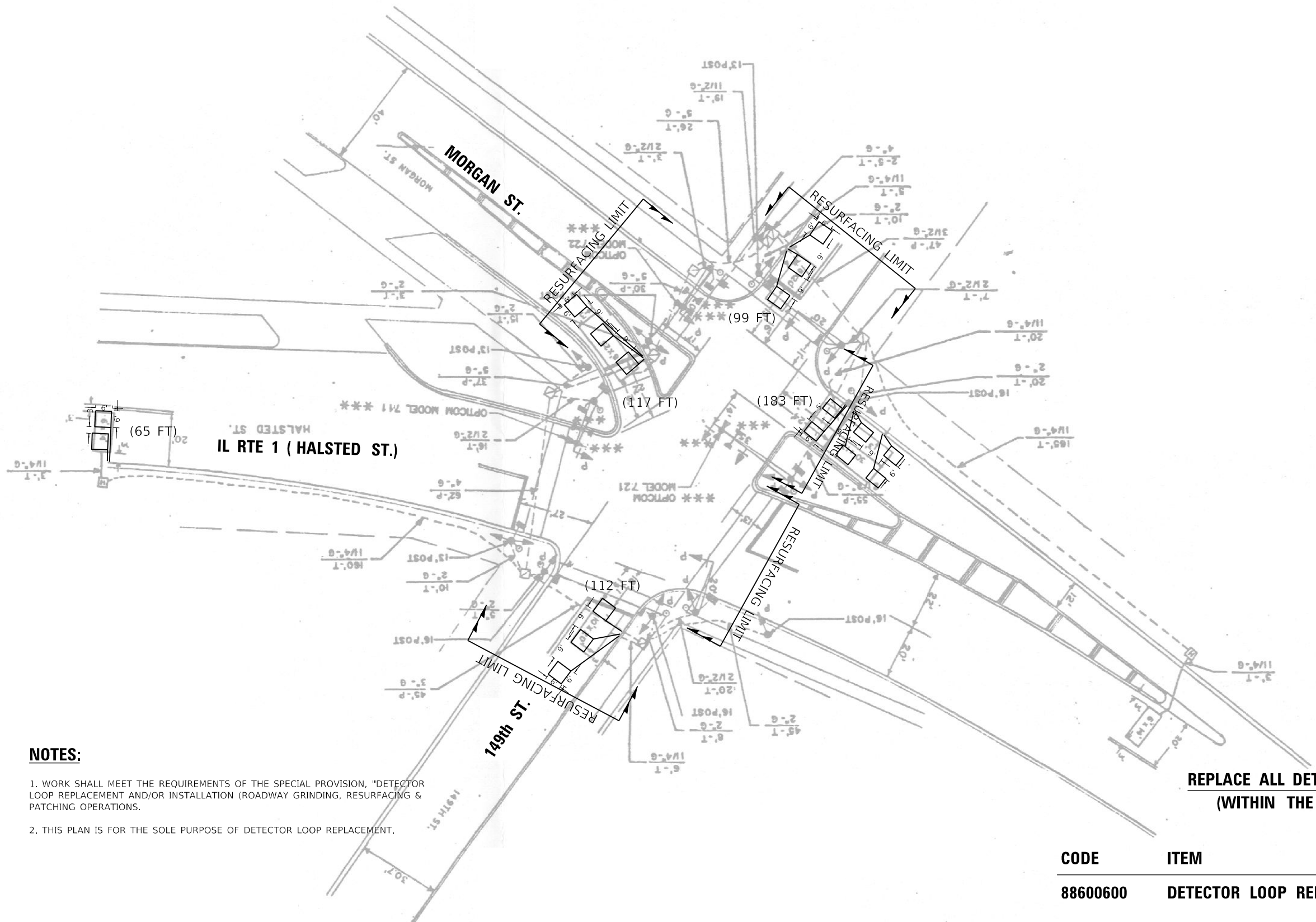
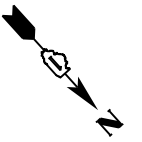
USER NAME = morning	DESIGNED - CJC	REVISED -
	DRAWN - MJO	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - AKS	REVISED -
PLOT DATE = 10/15/2020	DATE - 10-6-2020	FILE - 200777_554-SHT-ADA Details_12.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAILS
IL RTE 1 (HALSTED ST) FROM 159TH TO 149TH ST

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	22
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				

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



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	576	FOOT

MODEL: Default
FILE NAME: S:\WORKING\62M01\11_1_Halsted @ 149th.dgn

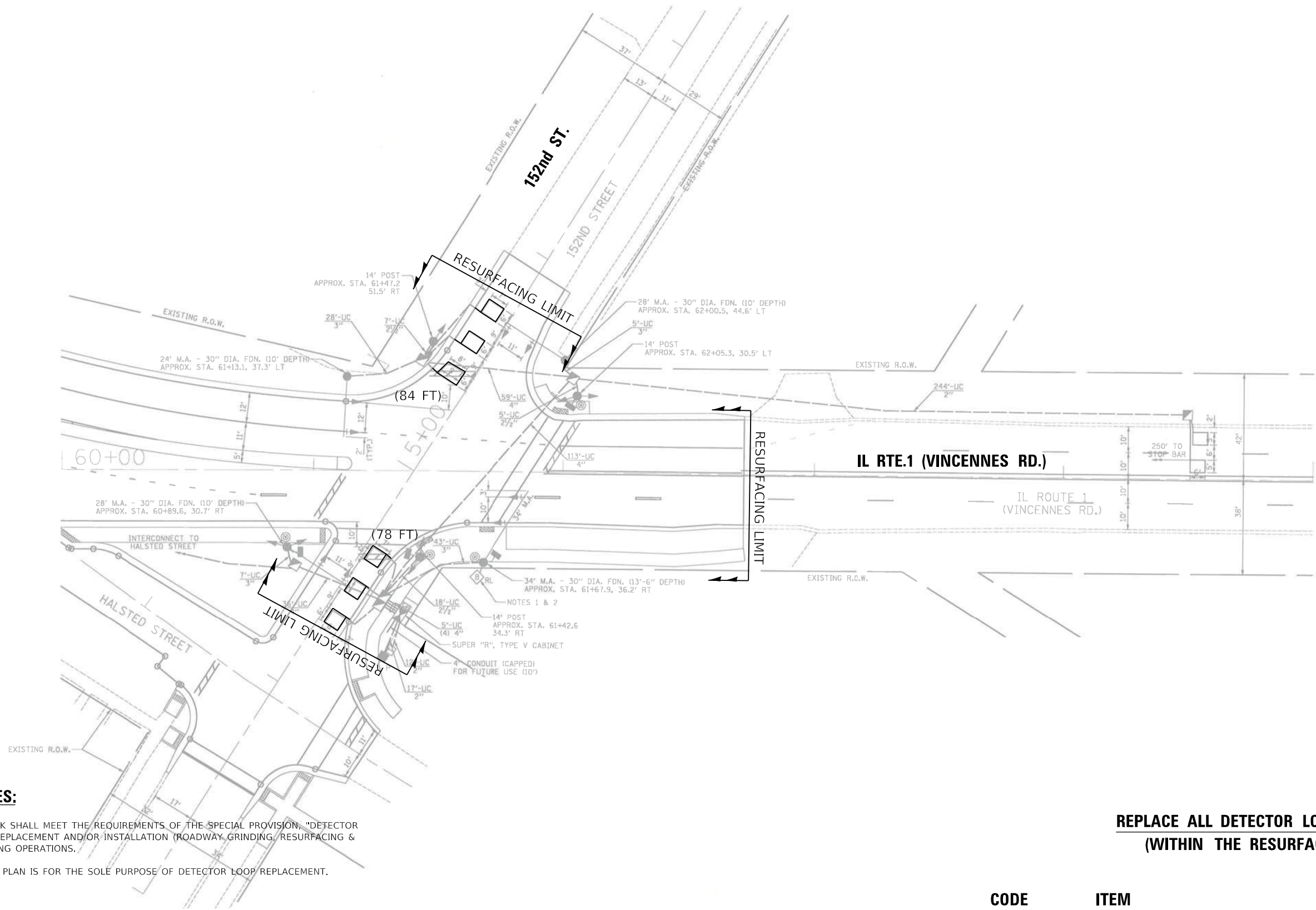
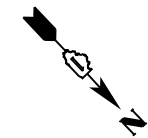
USER NAME = jiangc	DESIGNED - CJ	REVISED -
	DRAWN - CJ	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/15/2020	DATE - 09/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE. 1 (HALSTED ST.) AT 149th ST.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	



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	162	FOOT

MODEL: D:\dtp\... FILE NAME: S:\WORK\62M01\111_1_Halsted @ 152nd.dgn

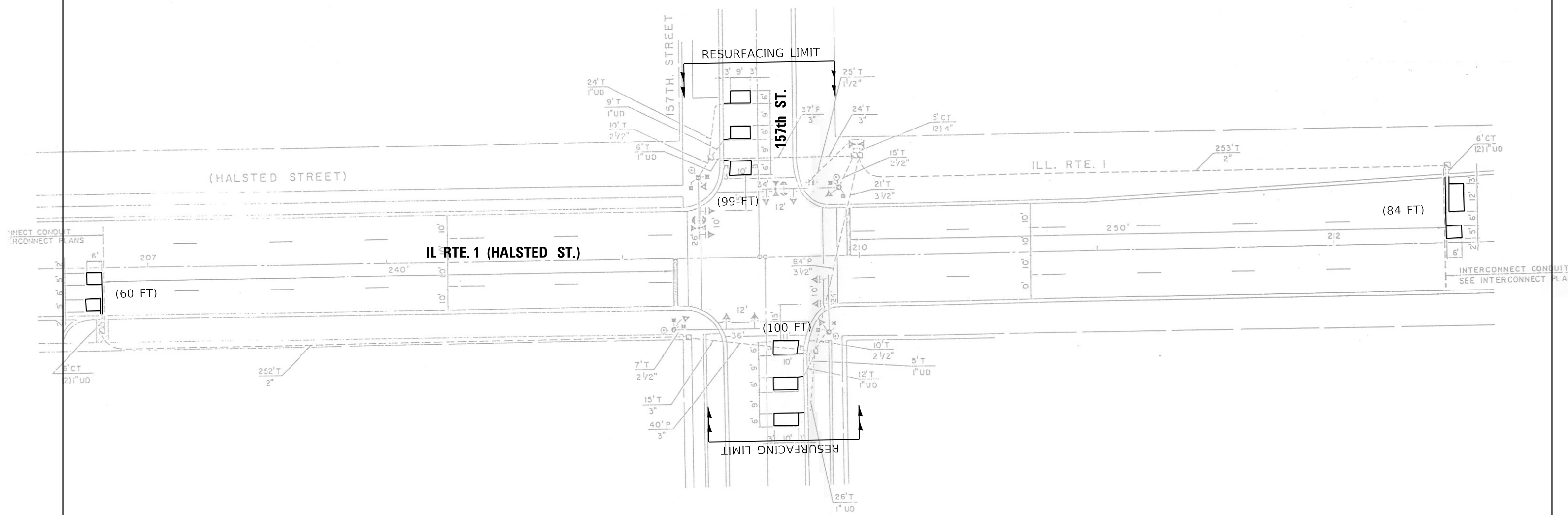
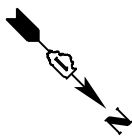
USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - CJ	REVISED -
PLOT DATE = 9/15/2020	CHECKED - LP	REVISED -
	DATE - 09/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE.1 (VINCENNES RD.) AT 152nd ST.**

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

F.A.P. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M01	



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	343	FOOT

MODEL: Default
FILE NAME: S:\WORKING\62M01\111_1_Halsted @ 157th St.dwg

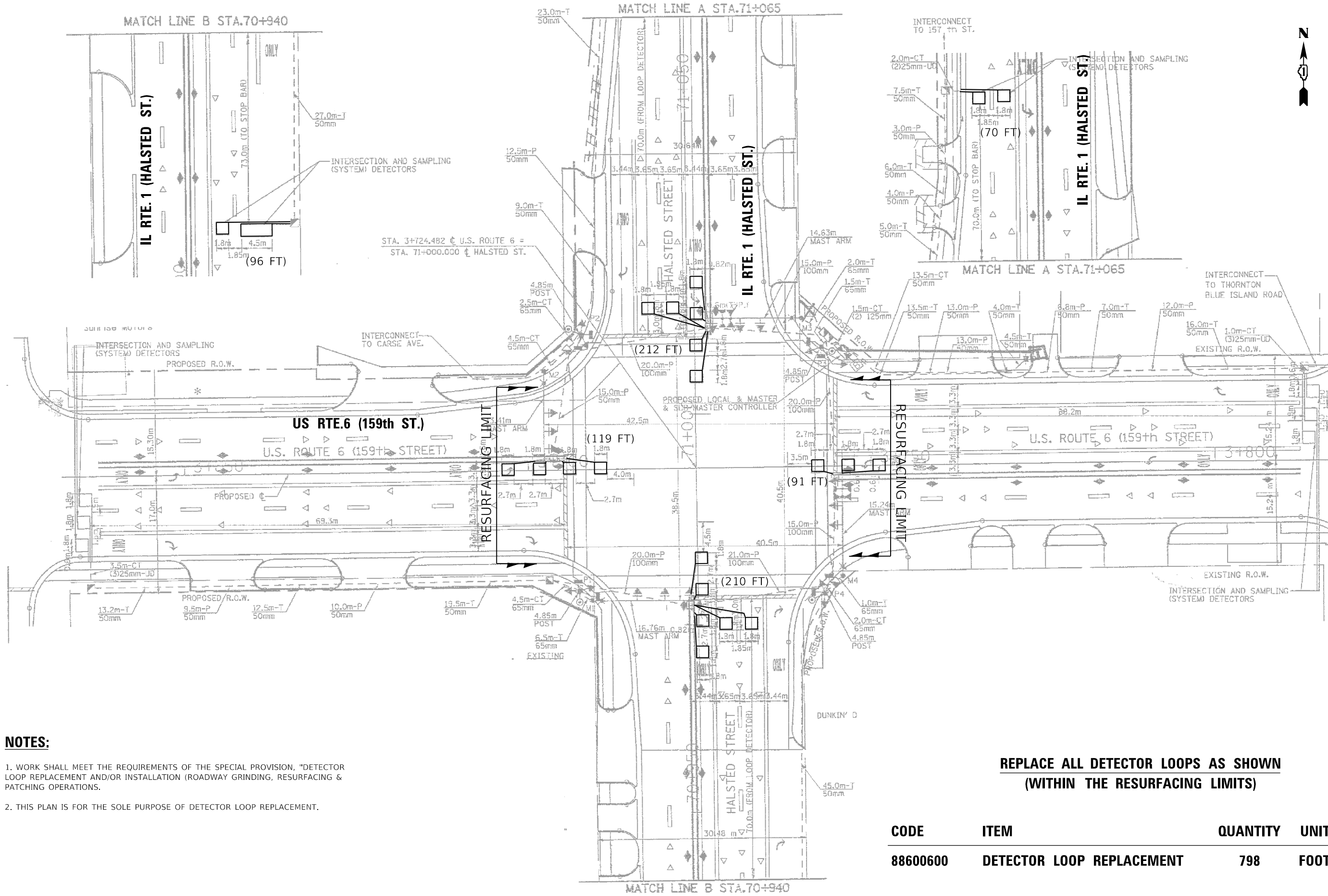
USER NAME = jiangc	DESIGNED - CJ	REVISED -
	DRAWN - CJ	REVISED -
PLOT SCALE = 40.0000 1/1 in.	CHECKED - LP	REVISED -
PLOT DATE = 9/15/2020	DATE - 09/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE. 1 (HALSTED ST.) AT 157th ST.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	25
CONTRACT NO. 62M01				
ILLINOIS FED. AID PROJECT				



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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	798	FOOT

MODEL: D:\p1\11... FILE NAME: SURF\plan\621401311_1_Halsted St @ US 6 159th St.dgn

USER NAME = jiangc	DESIGNED - CJ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJ	REVISED -
PLOT DATE = 9/15/2020	CHECKED - LP	REVISED -
	DATE - 09/10/2020	REVISED -

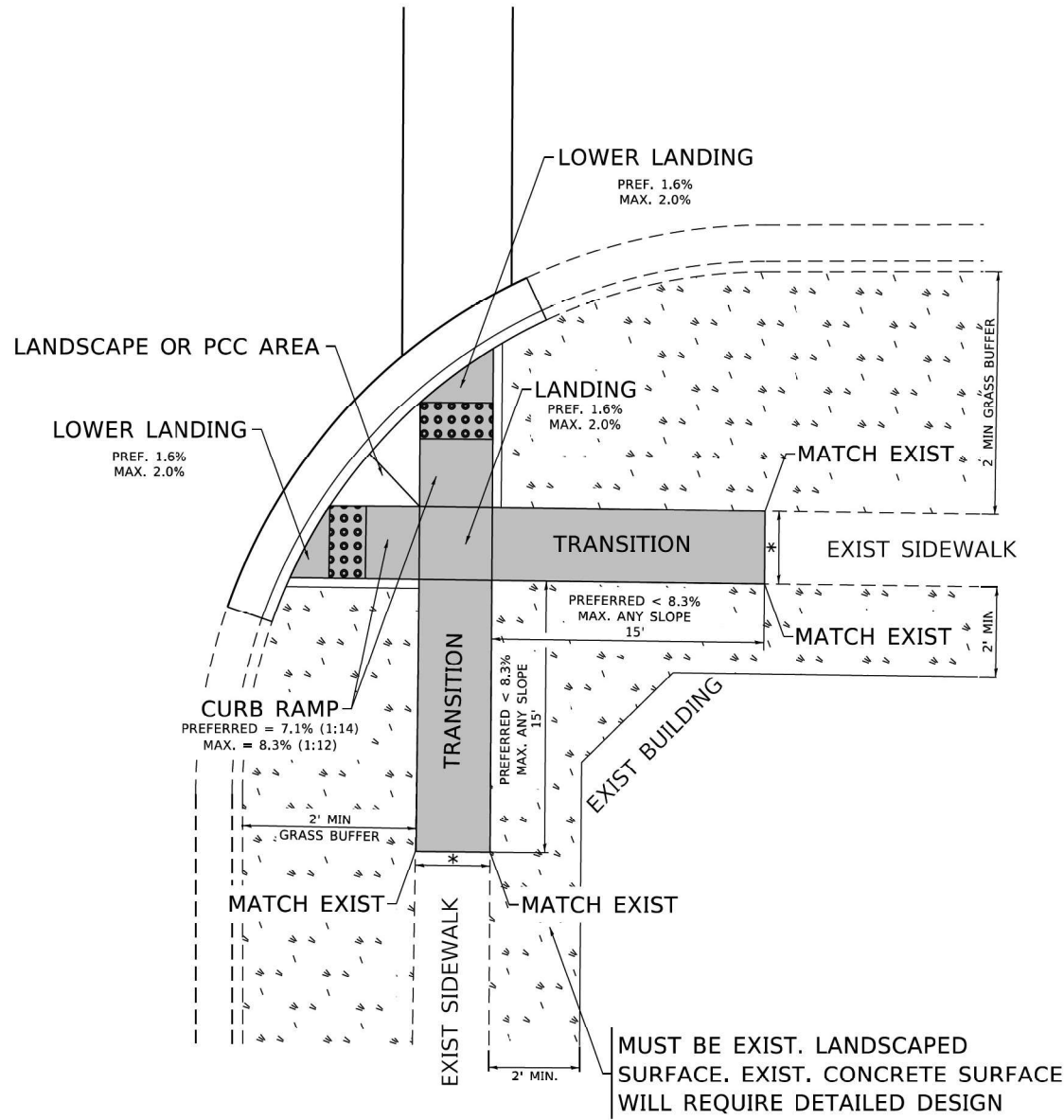
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL RTE. 1 (HALSTED ST.) AT US RTE. 6 (159th ST.)**
SCALE: 1"=20'

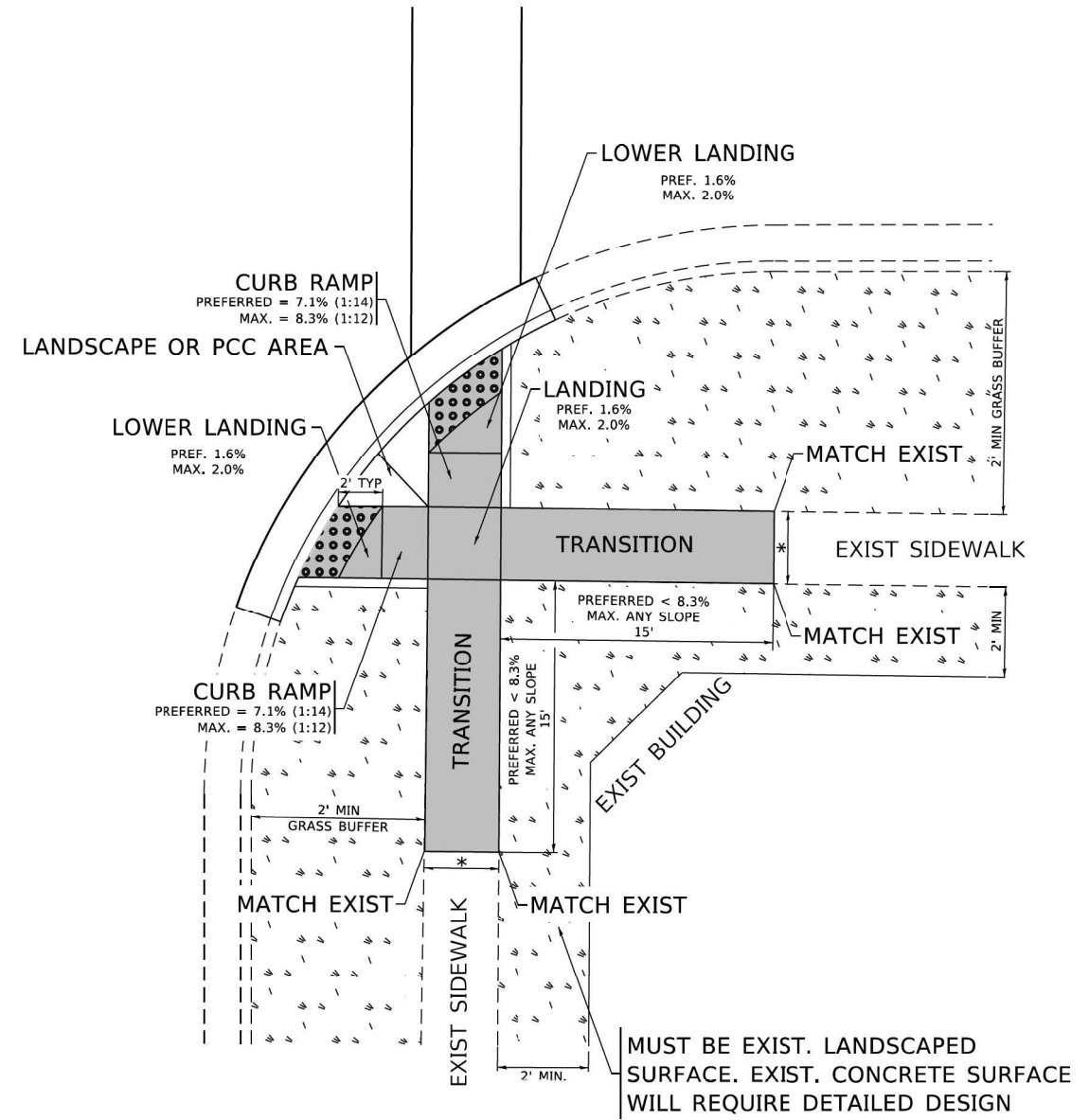
F.A.P. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 26
		CONTRACT NO. 62M01		
		ILLINOIS FED. AID PROJECT		

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND



CONSTRUCTION NOTES:

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

MODEL - Default
FILE NAME - pd03a.dwg
PROJECT - PD03A.dwg
DATE - 11/25/2019
DESIGNED - R. LEDEZMA
DRAWN - R. LEDEZMA
CHECKED -
DATE - 10/02/2019
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

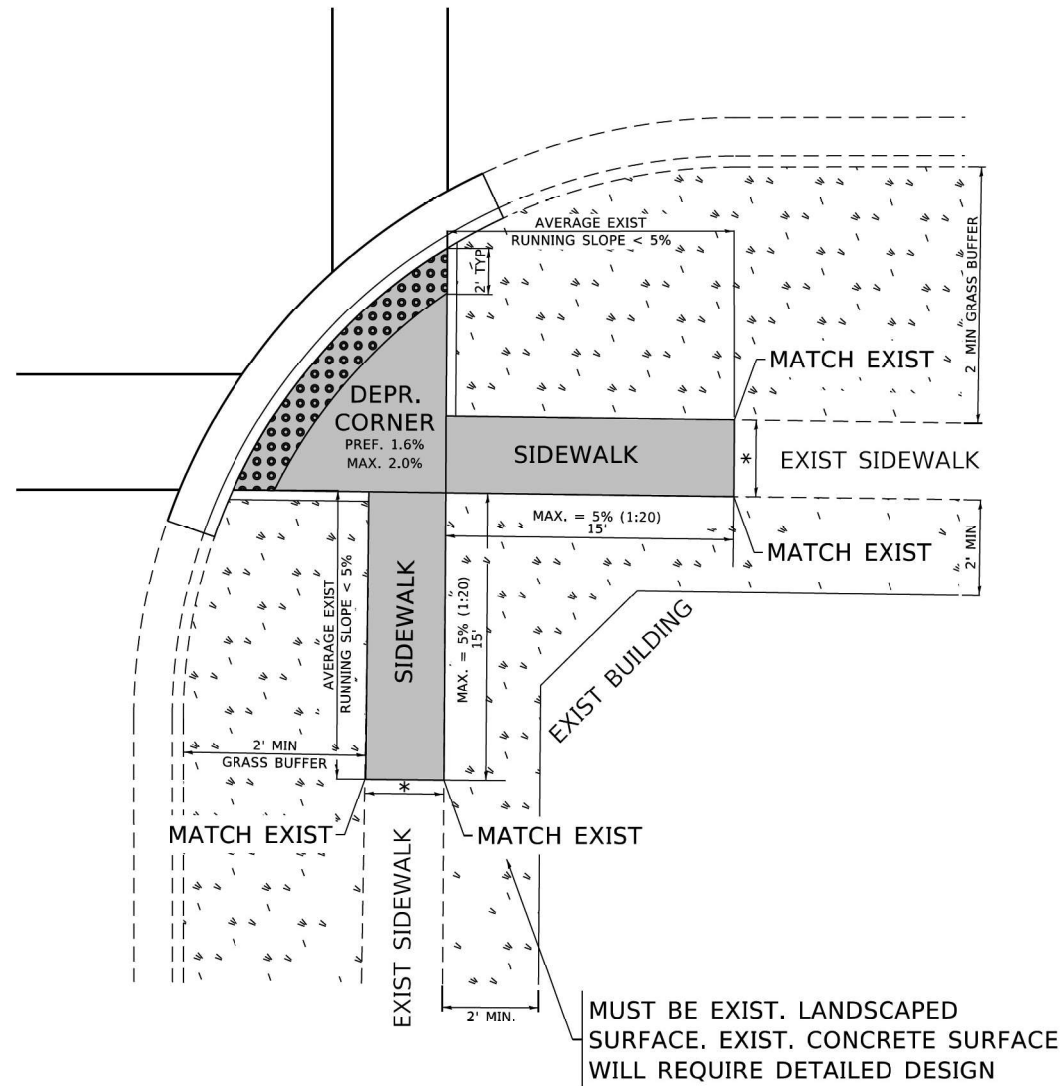
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

F.A. RTE. 3730	SECTION 2020-123-RS	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 27
PD-03			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

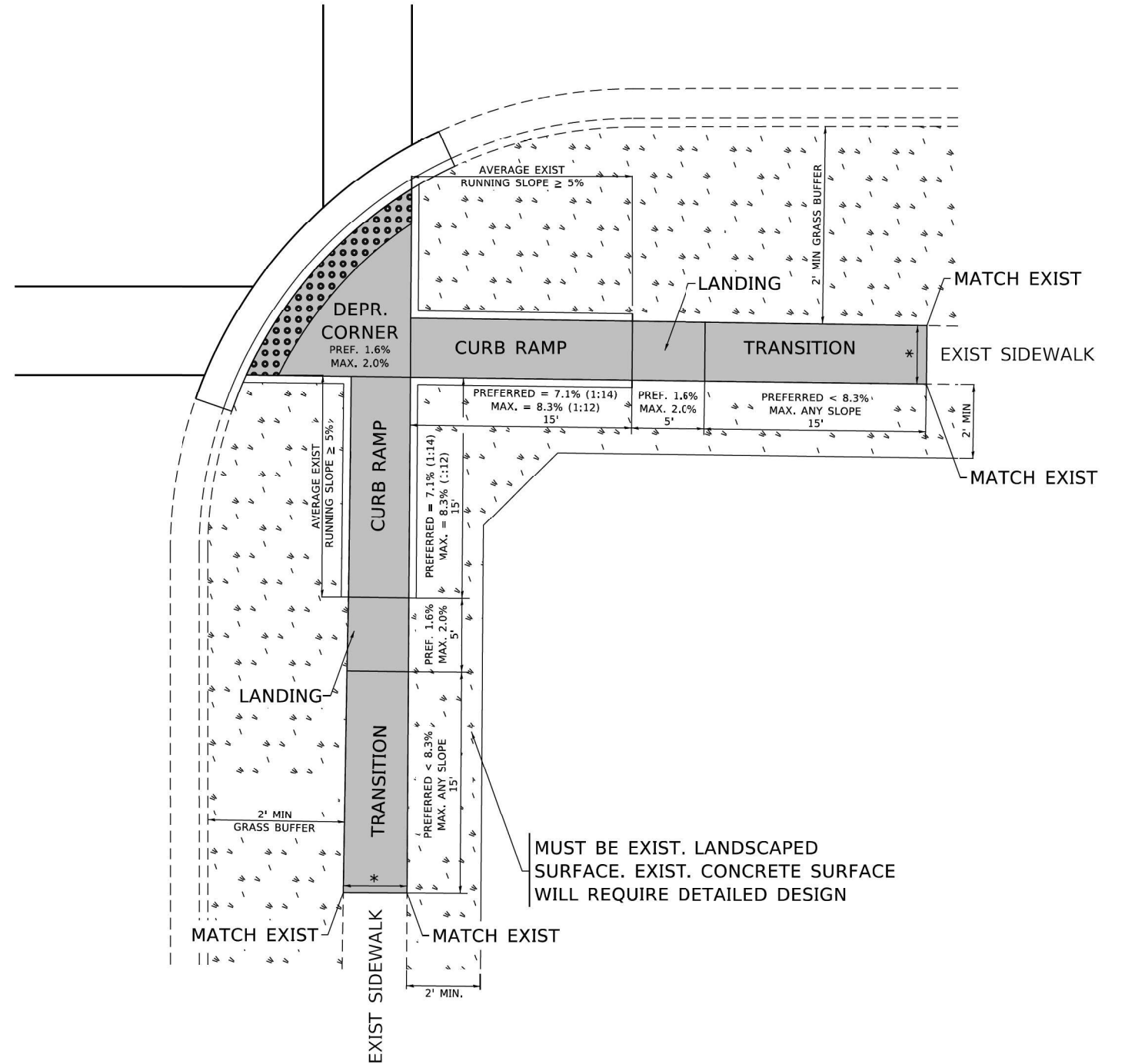
SCALE: NONE SHEET OF SHEETS STA. TO STA.

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: Default; FILE: \\miller-prod\planning\com\dat_illinois\gov\PIWDOT\Documents\11DOT_Offices\District_1\Projects\11S\11S272\11CAD\11S\11S272\11CAD\11S\11S272.dgn

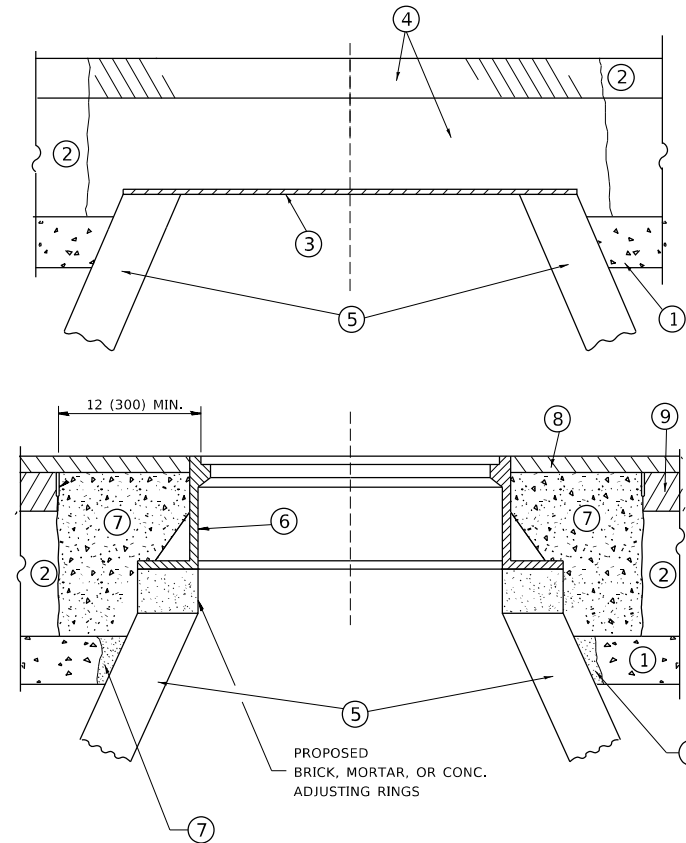
USER NAME = gagliano	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2019	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	28
PD-05		CONTRACT NO. 62M01		
ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

NOTES

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: D:\draft...
 FILE NAME: p:\p\planroom\dwt\illinois.gov\PI\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\5022\341\CD\Drawn\CD\sheet\bd08.dgn

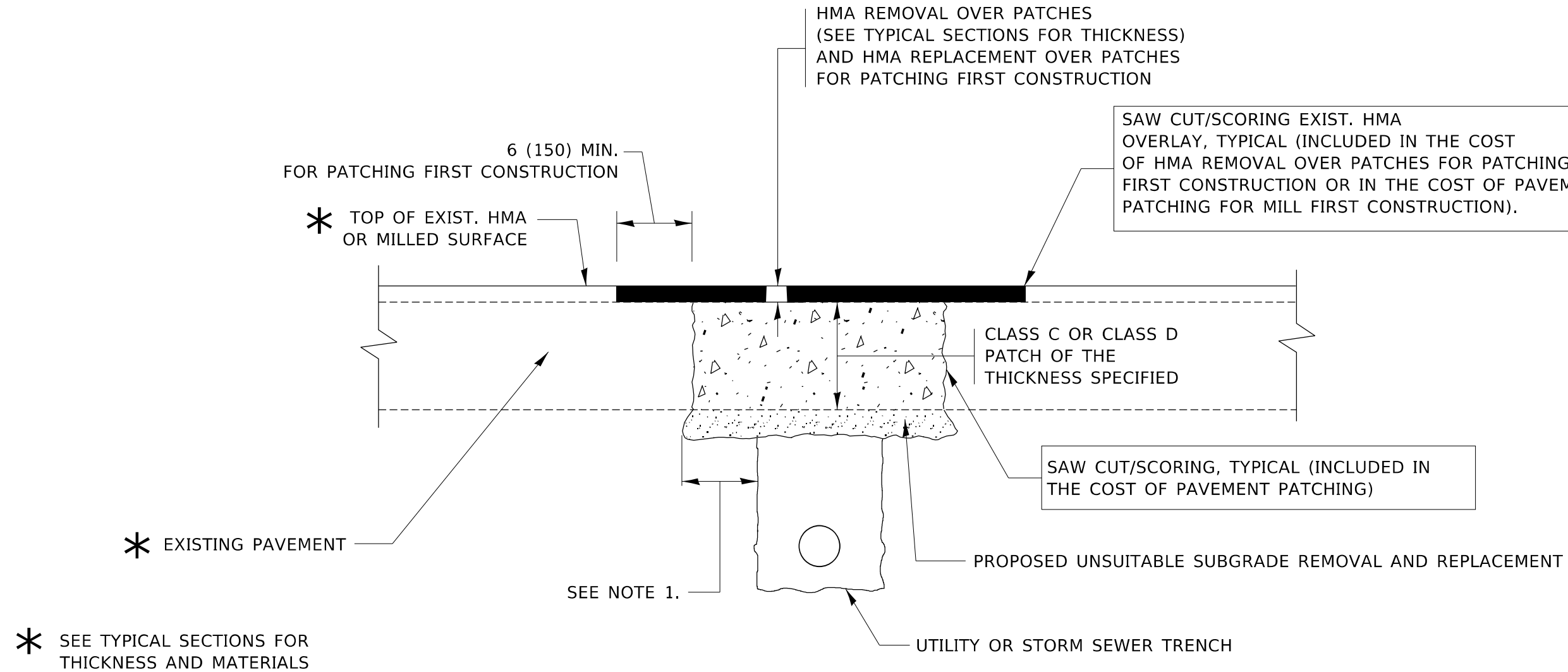
USER NAME = footemj	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	29
BD600-03 (BD-8)		CONTRACT NO.	62M01	
ILLINOIS		FED. AID PROJECT		



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: Default
FILE: Main: p:\planning\mtdat\illinois\pwr\pwr\DOT\Documents\DOT_Offices\District 1\Projects\Dist1\502234\CD\Drawings\Sheet\bd22.dwg

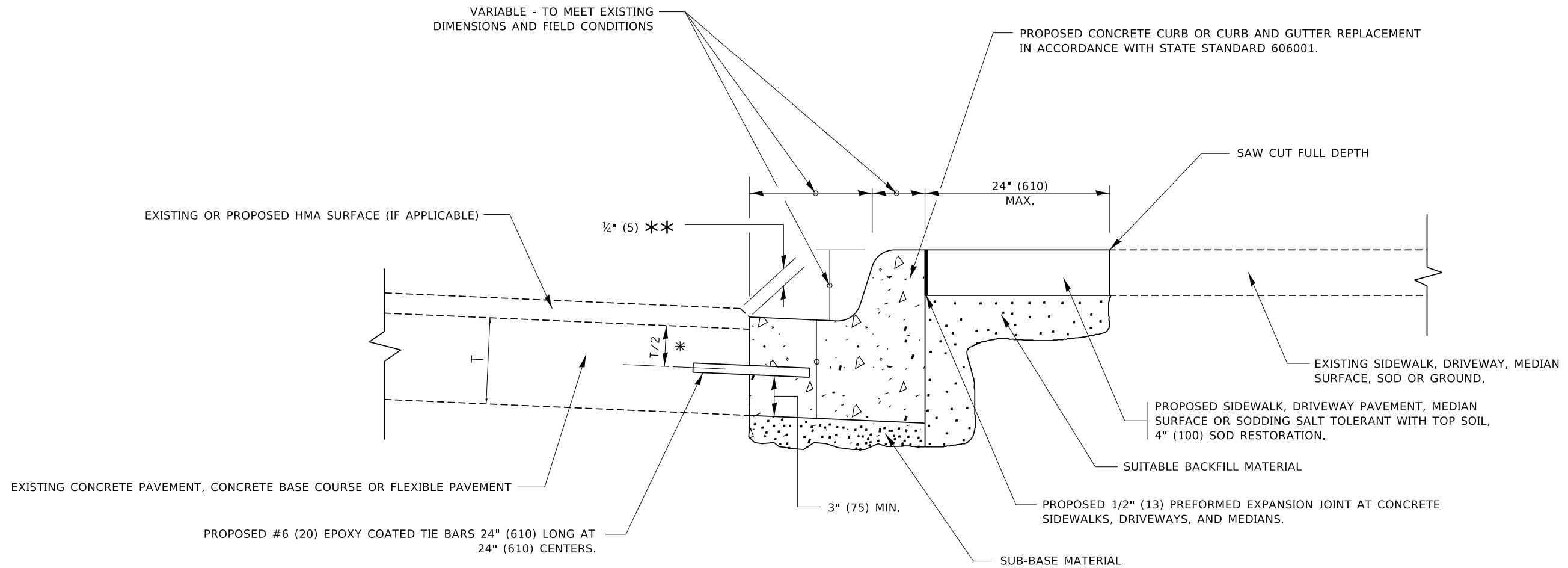
USER NAME = footemj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 30
BD400-04 (BD-22)			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: D:\default...
FILE: MAME...
PROJECT: ...
DOT: ...
DOT: ...

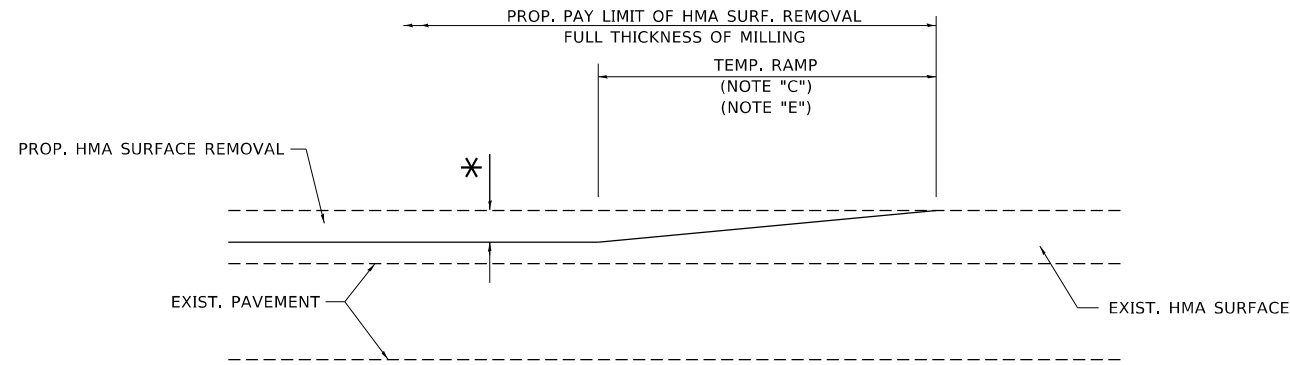
USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

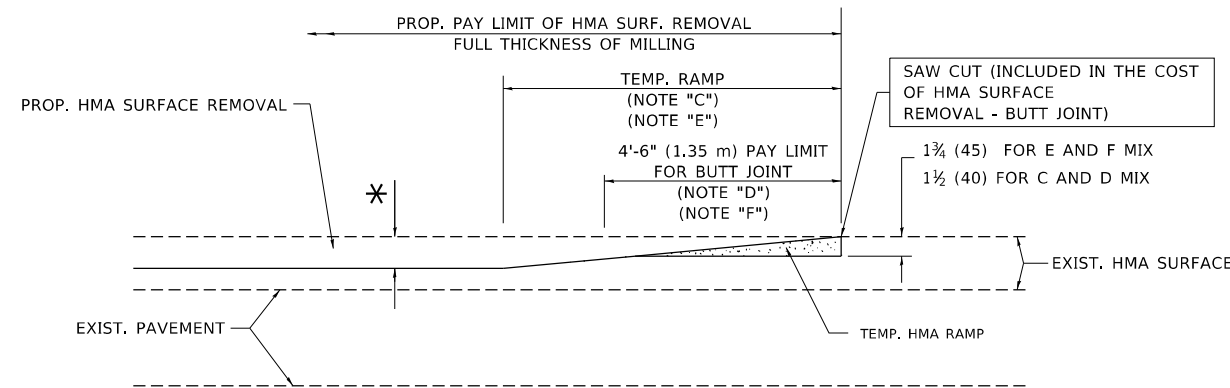
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	31
BD600-06 (BD-24)			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

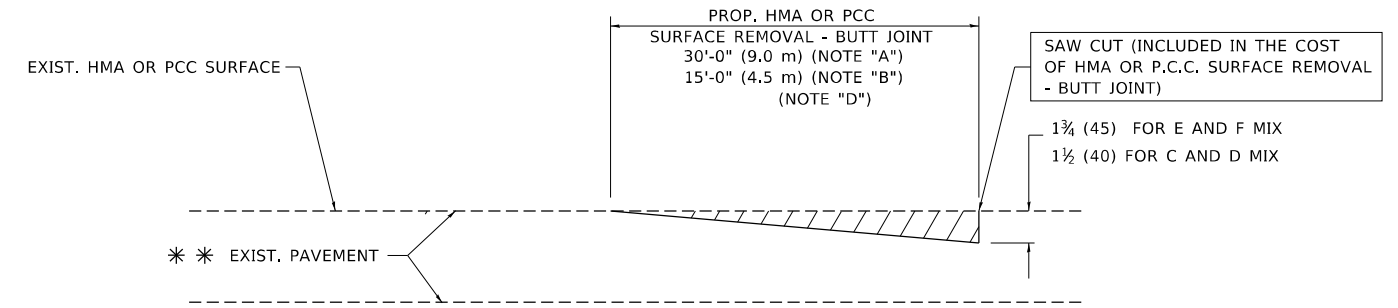


HMA CONSTRUCTED TEMPORARY RAMP

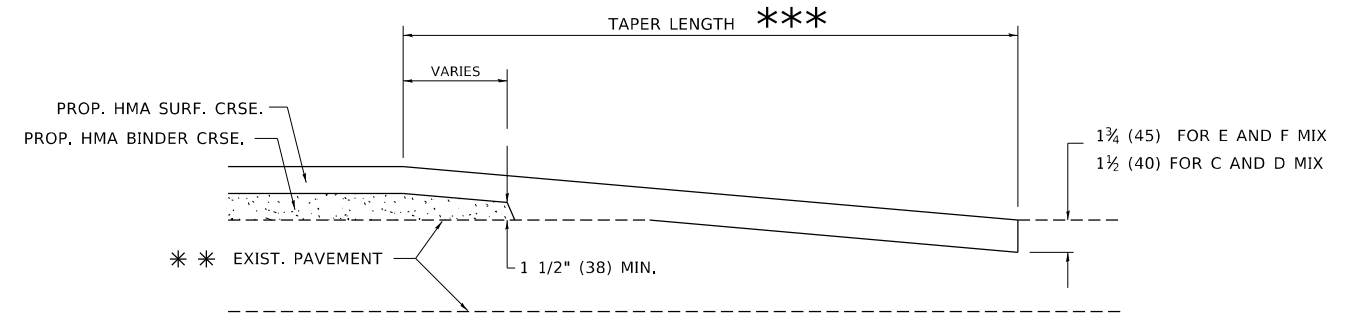
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

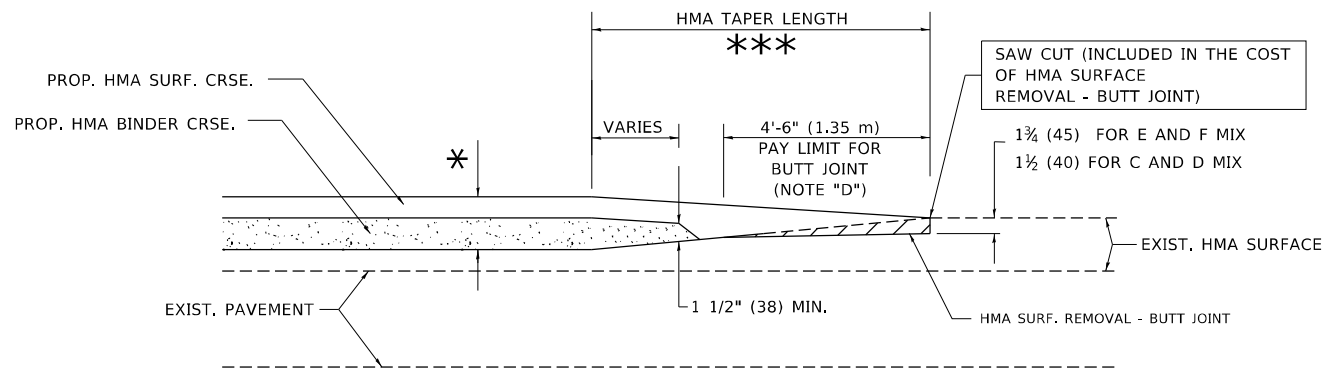
NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE NAME: p:\uplanroom\dat_illinois\pwr\PI\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\502234\CADD\Drawings\Sheet\32.dgn

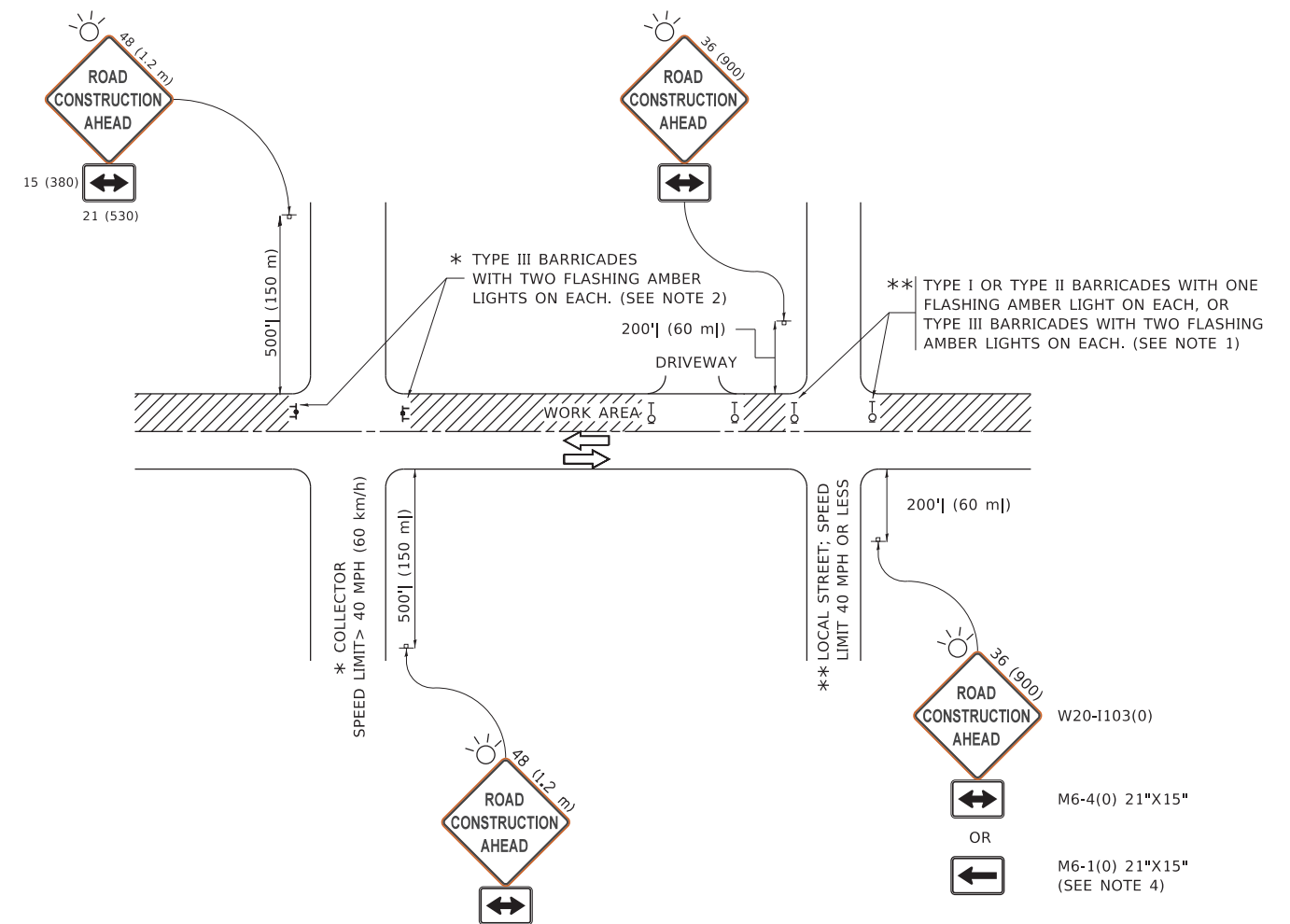
USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A. RTE. 3730	SECTION 2020-123-R5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 32
BD400-05 BD32		CONTRACT NO. 62M01		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: D:\draft...
 FILE: NAME: P:\...
 PROJECTS\DOT\Documents\DOT_Offices\Director_1\Projects\DOT\2022\23\CADData\CAD\Sheet\TC10.dgn

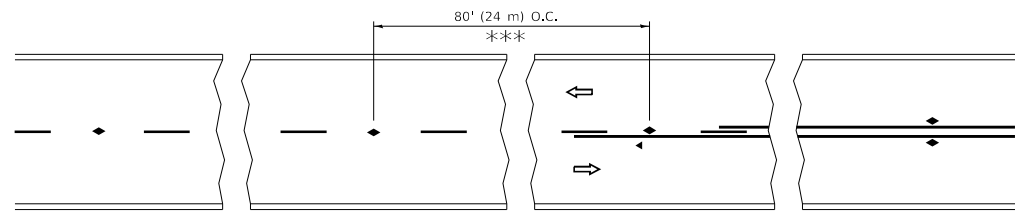
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

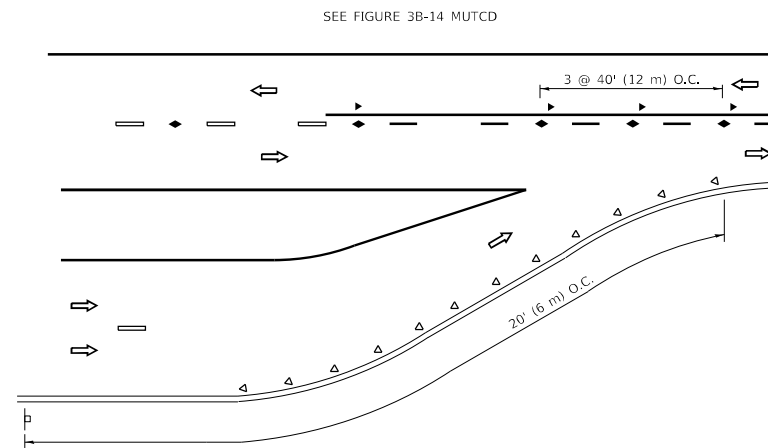
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	33
TC-10			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

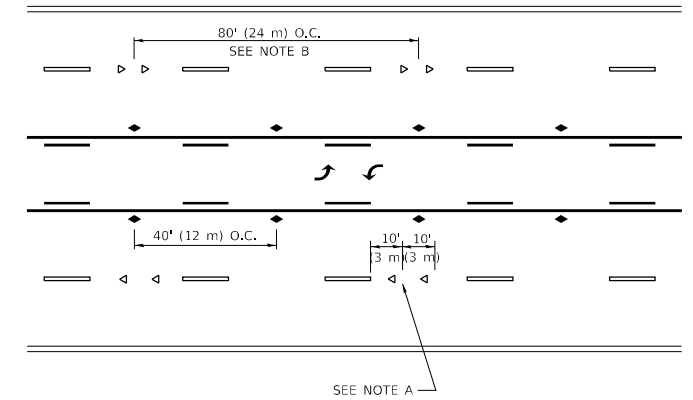


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

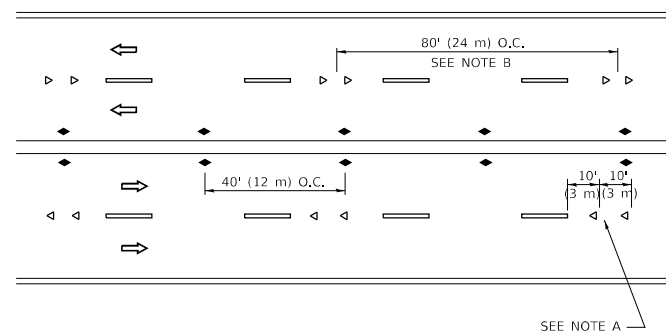
TWO-LANE/TWO-WAY



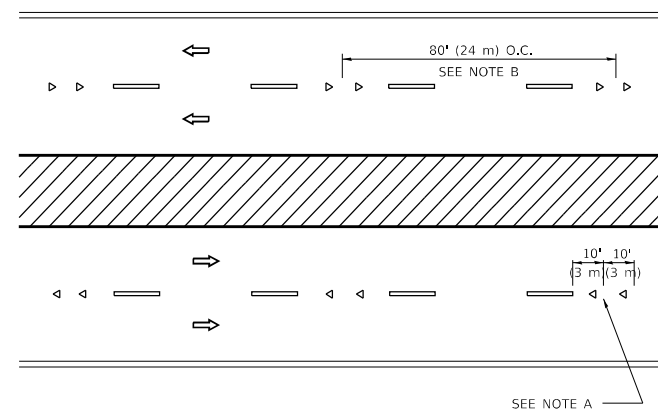
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

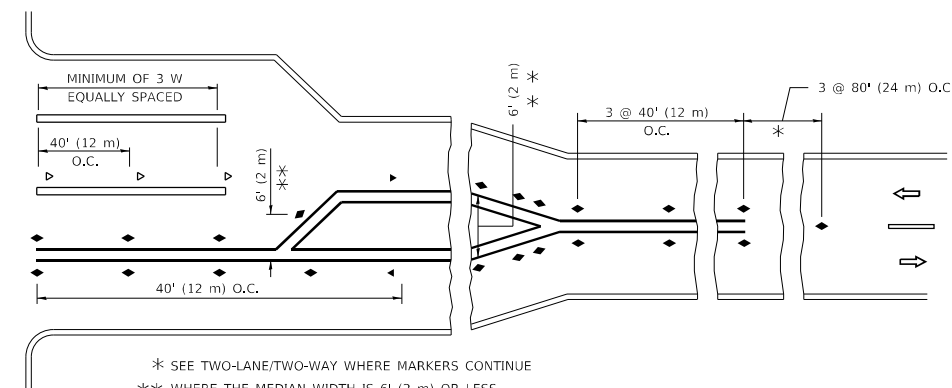
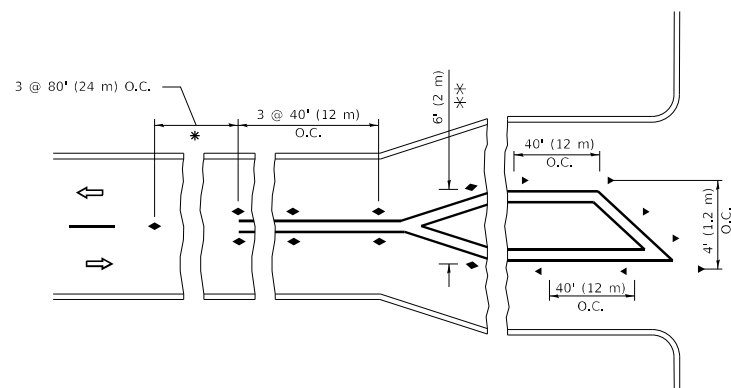
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

MODEL: D:\draft... FILE NAME: p:\u008aebid\ntec... PROJECTS\DOT Documents\DOT Offices\District 1\Projects\DOT\5422-24\CAD\Drawings\CAD\Sheet\K11.dgn

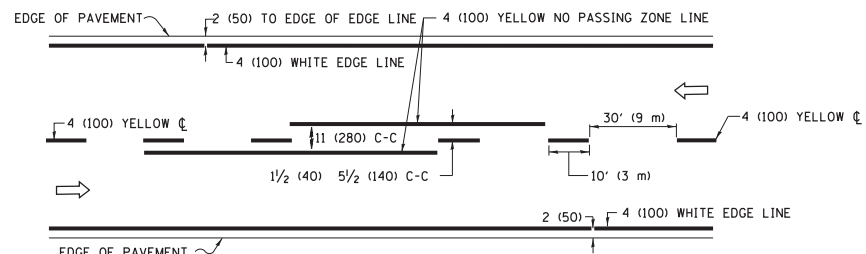
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 1/ in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

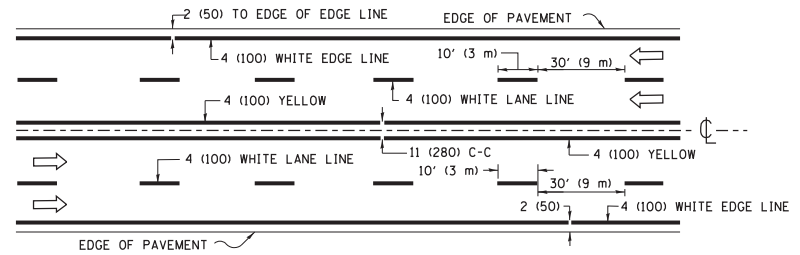
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

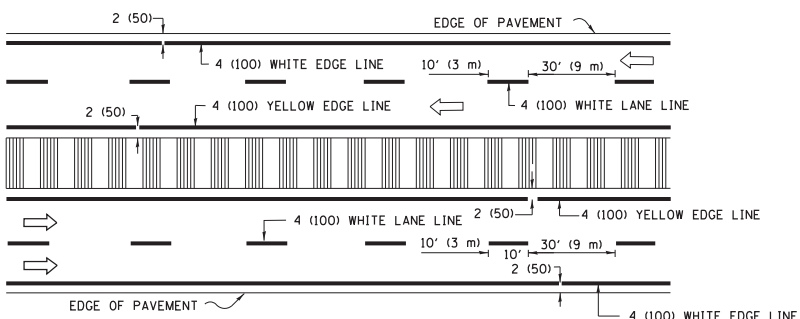
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	34
TC-11		CONTRACT NO. 62M01		
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

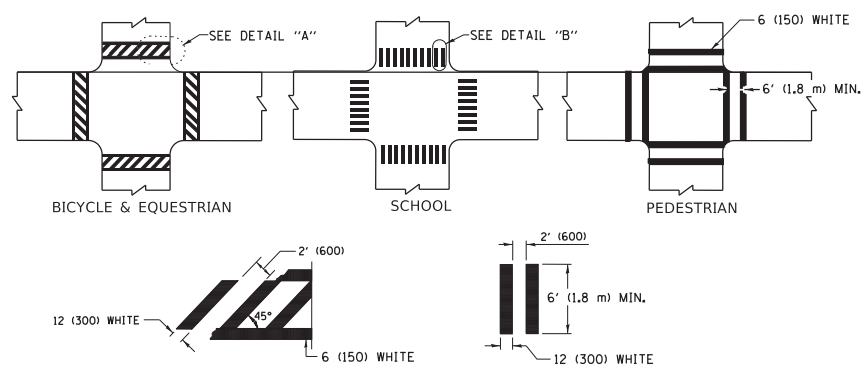


MULTI-LANE UNDIVIDED



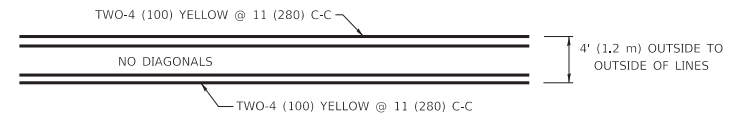
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

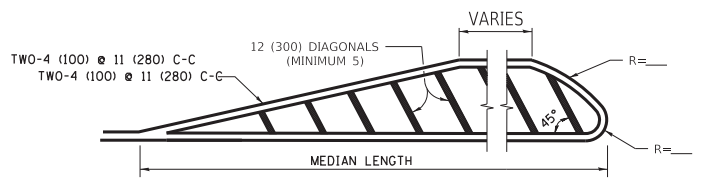


TYPICAL CROSSWALK MARKING

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

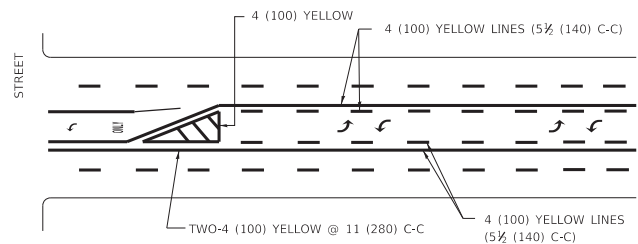


4' (1.2 m) WIDE MEDIANS ONLY



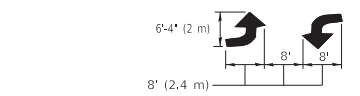
MEDIANS OVER 4' (1.2 m) WIDE

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



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

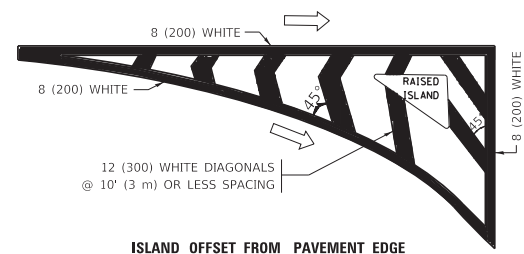
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



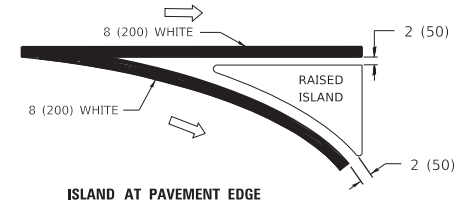
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

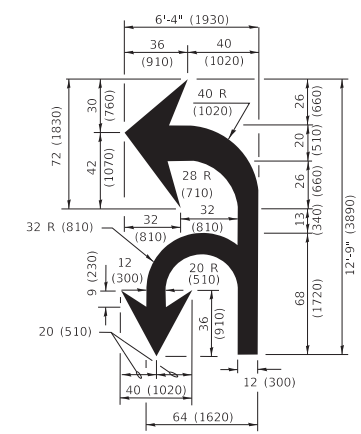


ISLAND OFFSET FROM PAVEMENT EDGE

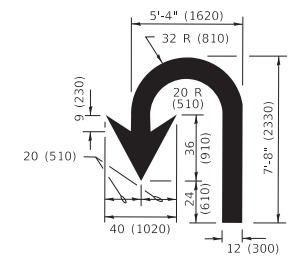


ISLAND AT PAVEMENT EDGE

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" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: D:\default... FILE: M:\M&E_Plan\ILLINOIS\B&E\BID\ITEC_ILLINOIS\proj\p1\DOT\Documents\DOT_Offices\District_1\Projects\DOT\22-234\CADD\Drawings\CAD\Sheet\TC13.dwg

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000 "/in.	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
TYPICAL PAVEMENT MARKINGS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	35
TC-13		CONTRACT NO. 62M01		

ILLINOIS FED. AID PROJECT

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

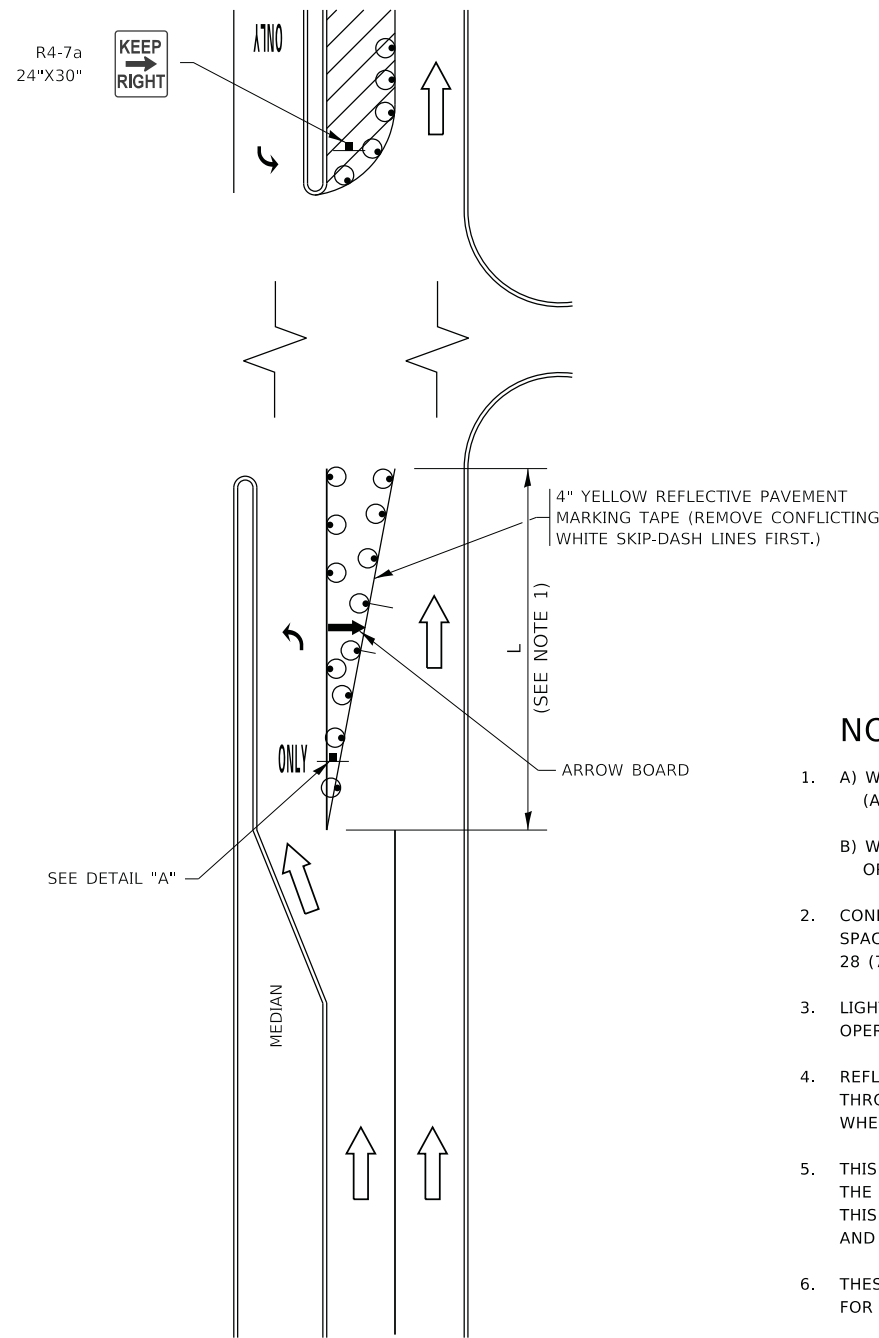


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

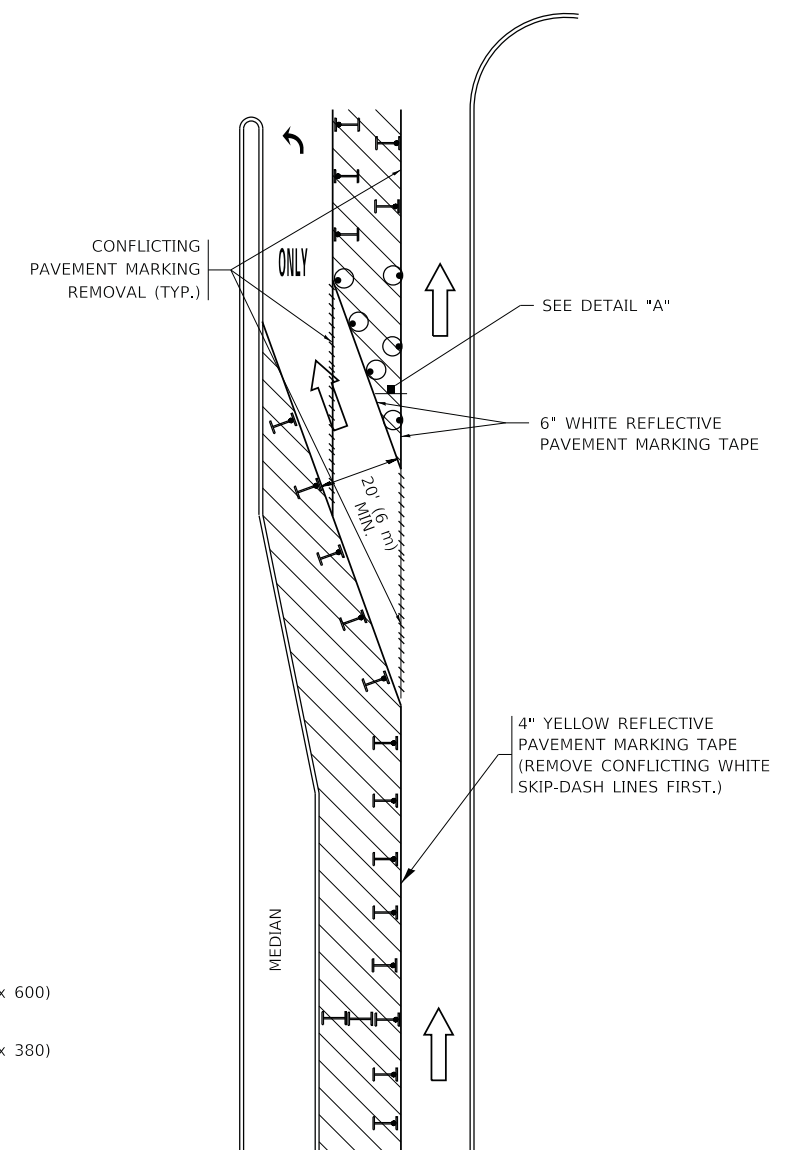
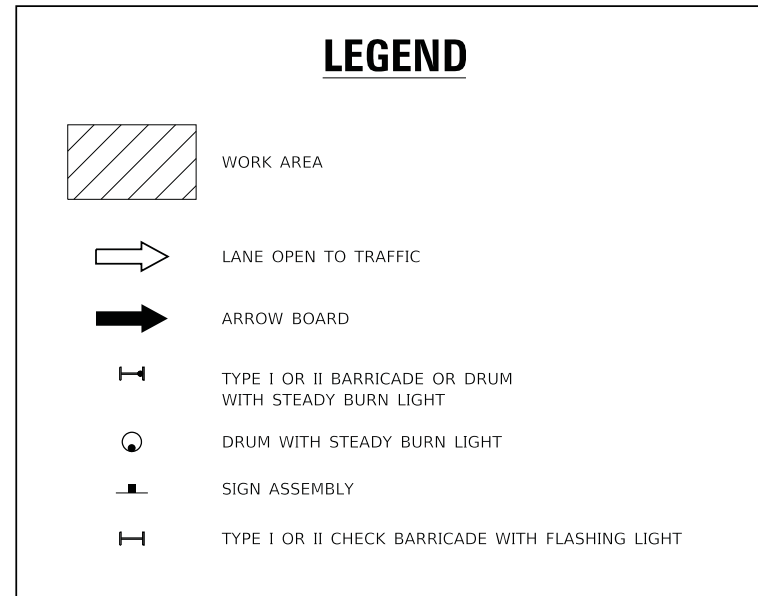
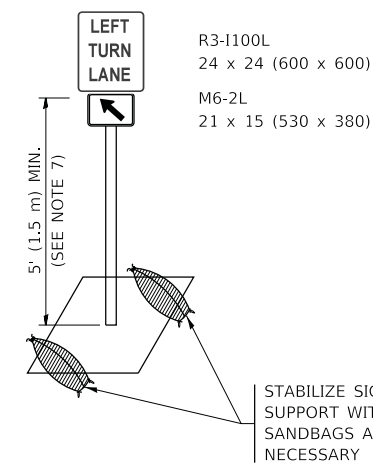


FIGURE 2



NOTES:

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



DETAIL A

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

MODEL: D:\draft\FILE NAME: p:\u1108\B&E\BID\NTEC\Illinois\pvt\PIVDOT\Documents\DOT_Offices\Director_1\Projects\DH5422\34\CADData\CAD\Sheet\TC_14.dgn

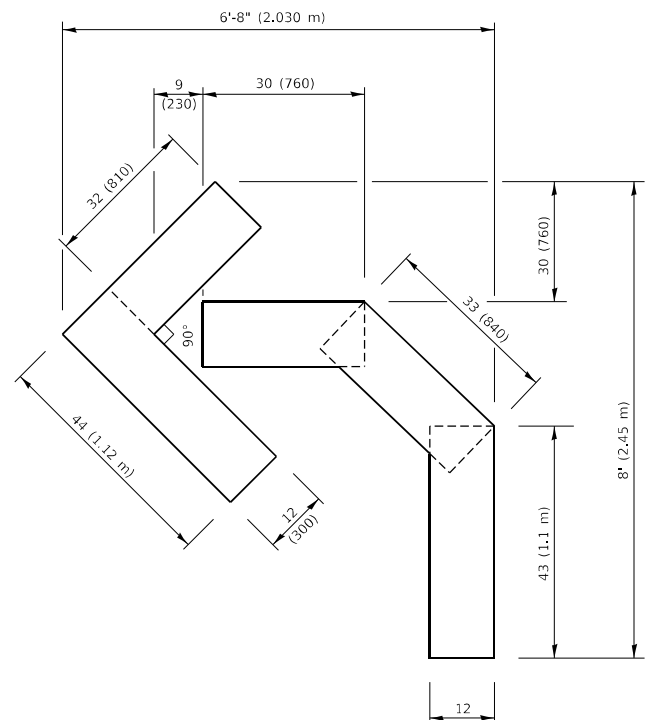
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

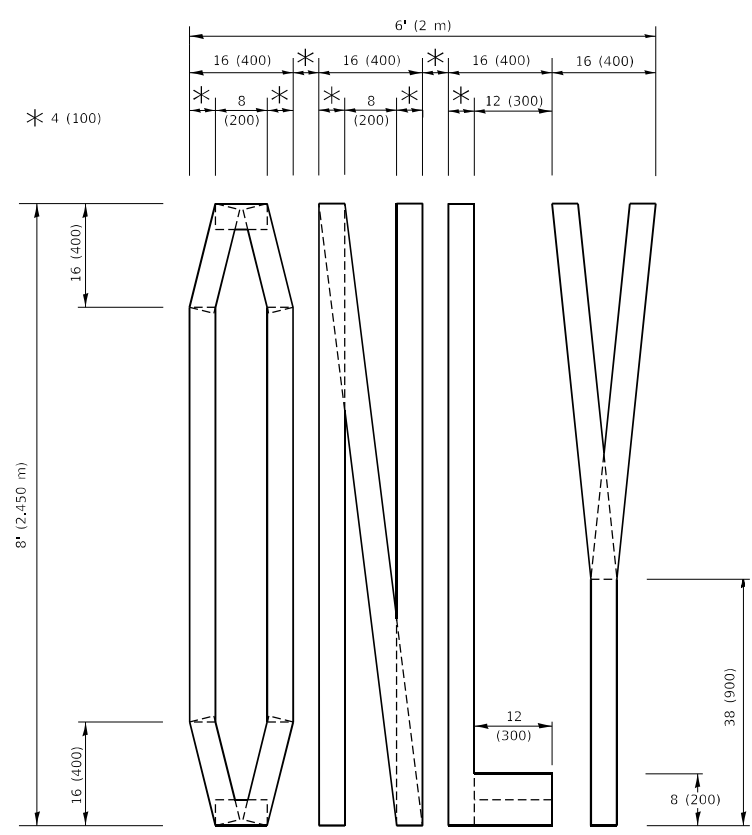
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

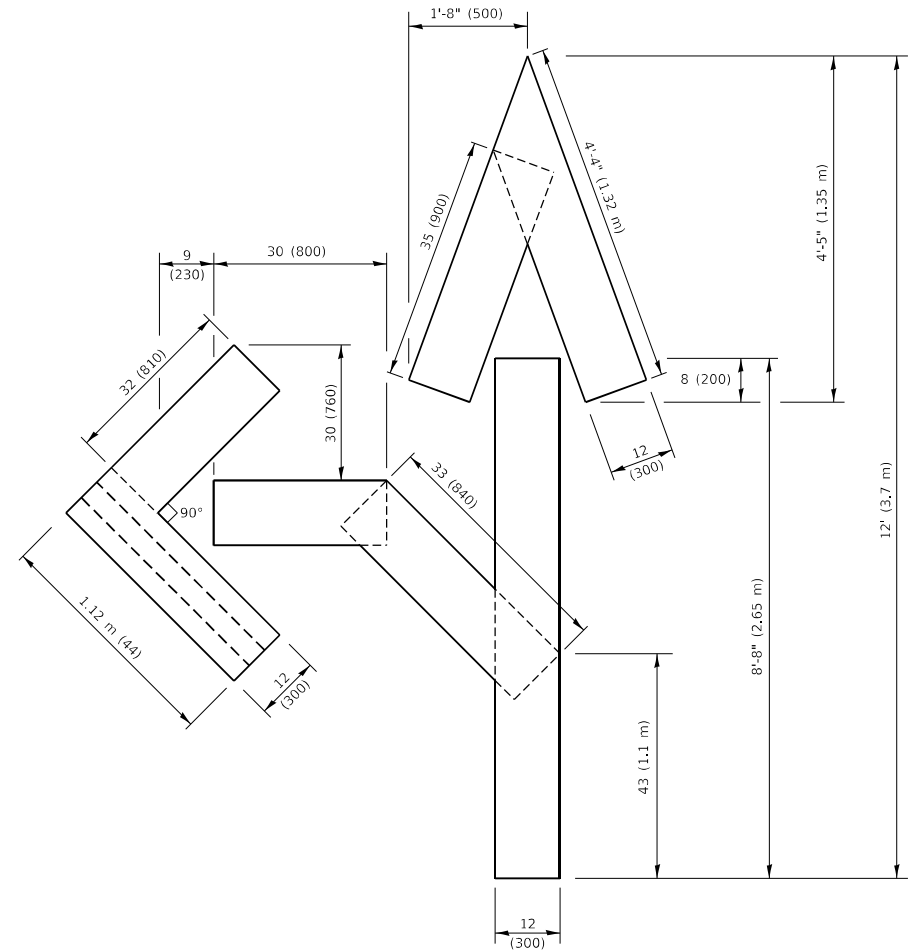
F.A.U. RTE. 3730	SECTION 2020-123-RS	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 36
TC-14		CONTRACT NO. 62M01		
ILLINOIS FED. AID PROJECT				



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

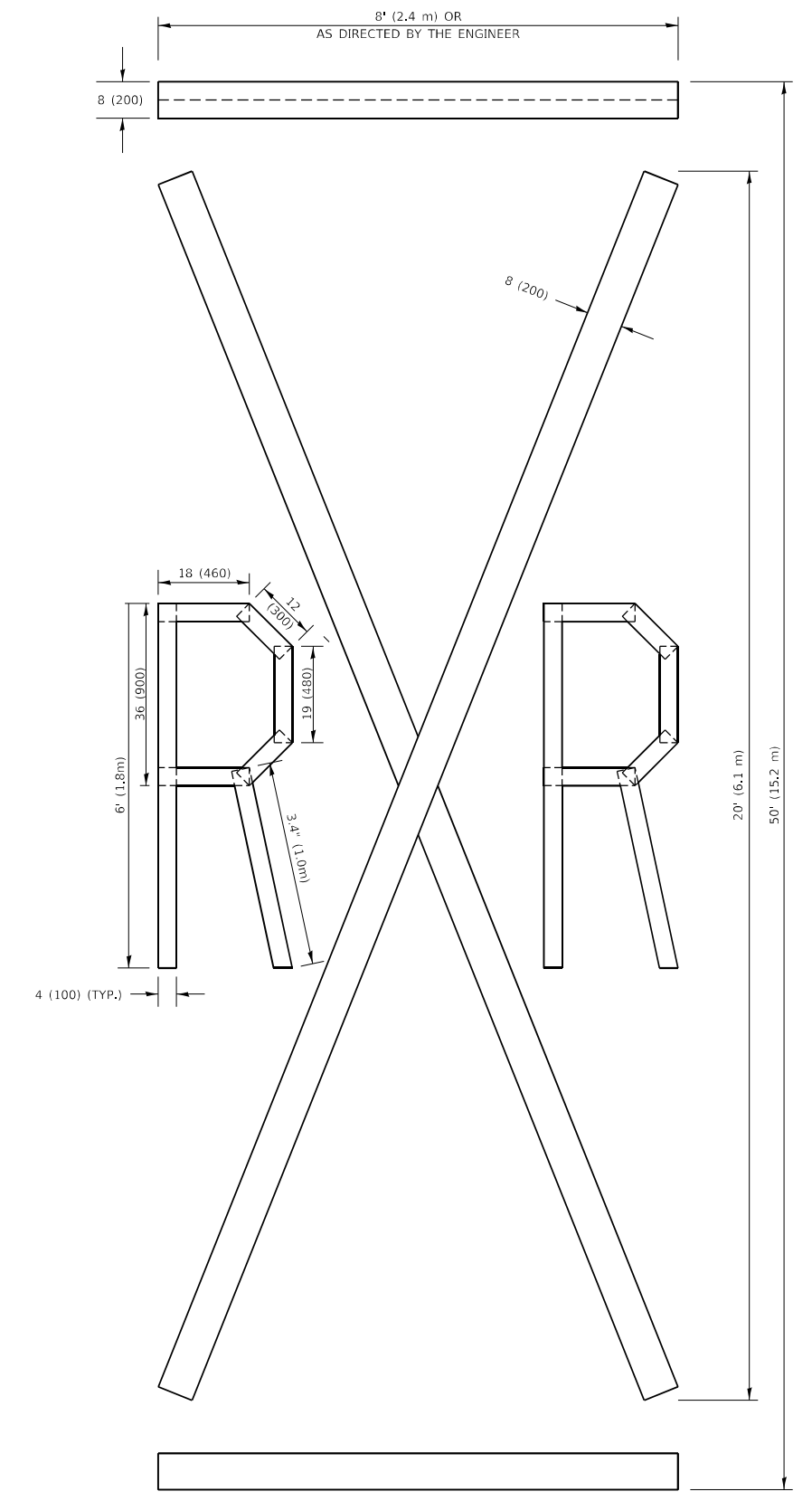


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

MODEL: Default
 FILE NAME: P:\11108\RESID\ITEG\Illinois\gwp\PIUIDOT\Documents\DOT_Offices\District_1\Projects\SDHS\SD22-24\CADD\XAC\shhets1c2.b.dgn
 16-Apr-2019 10:37:35 AM User:foote

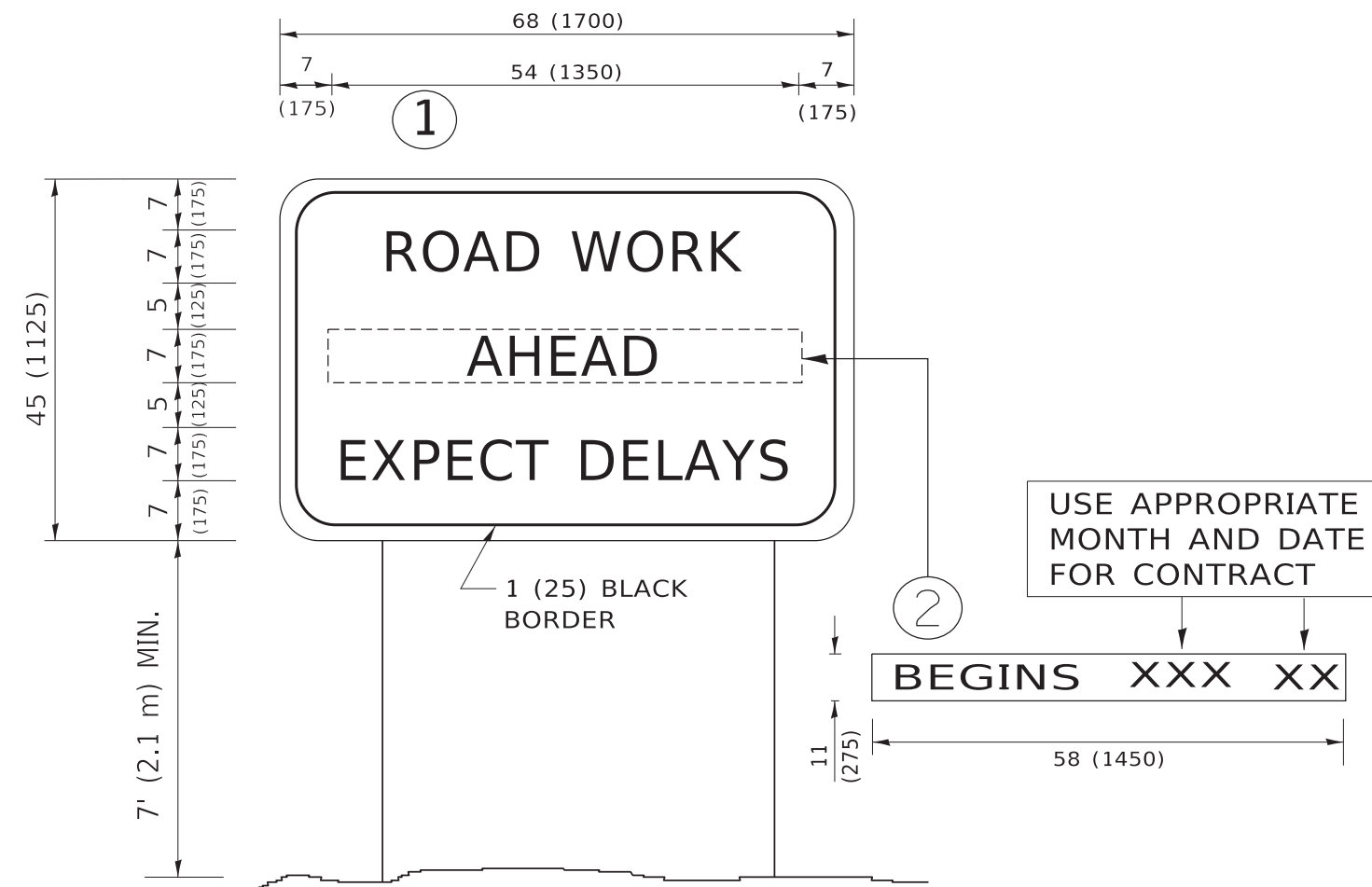
USER NAME = foote]	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068 ' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-RS	COOK	43	37
TC-16			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: D:\draft
 FILE NAME: p:\u108a\EBID\NTEG\Illinois.gov\RW\DOT\Documents\DOT_Offices\District_1\Projects\DH15\22-23\CADData\CAD\sheet\TC22.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

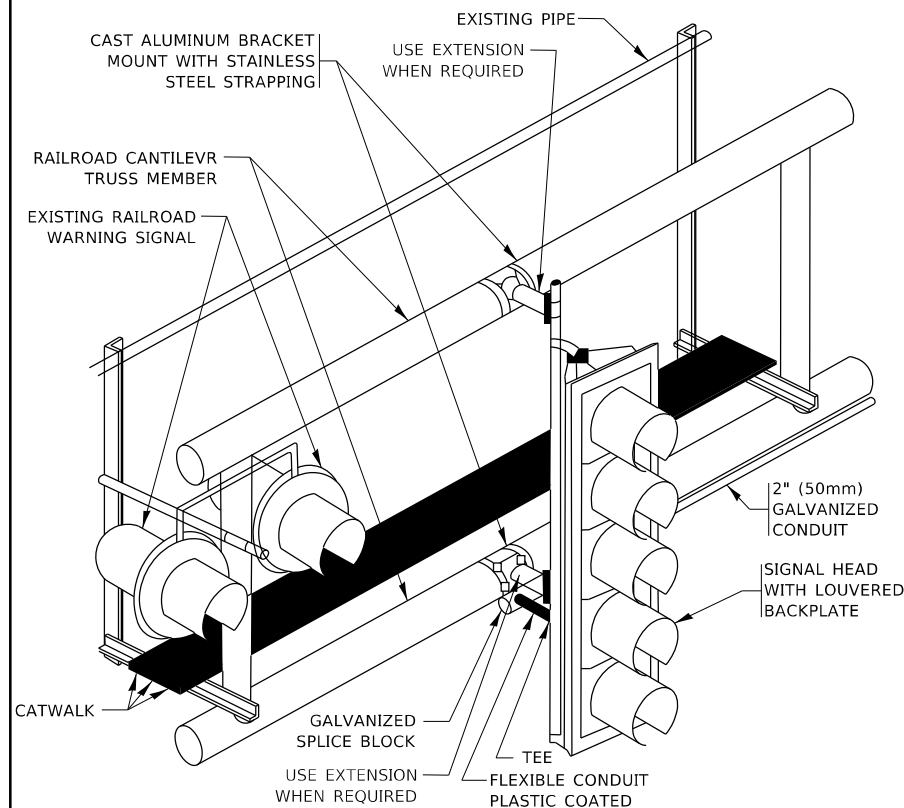
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	38
TC-22			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE: Main:pub\planroom\dat\illinois\pwr\PIUDOT\Documents\DOT - Offices\District 1\Projects\Dist1\50223\AIC\CD\Draw\CAD\Sheet\23.dwg
 23-Jun-2019 7:45:20 AM User:footeem



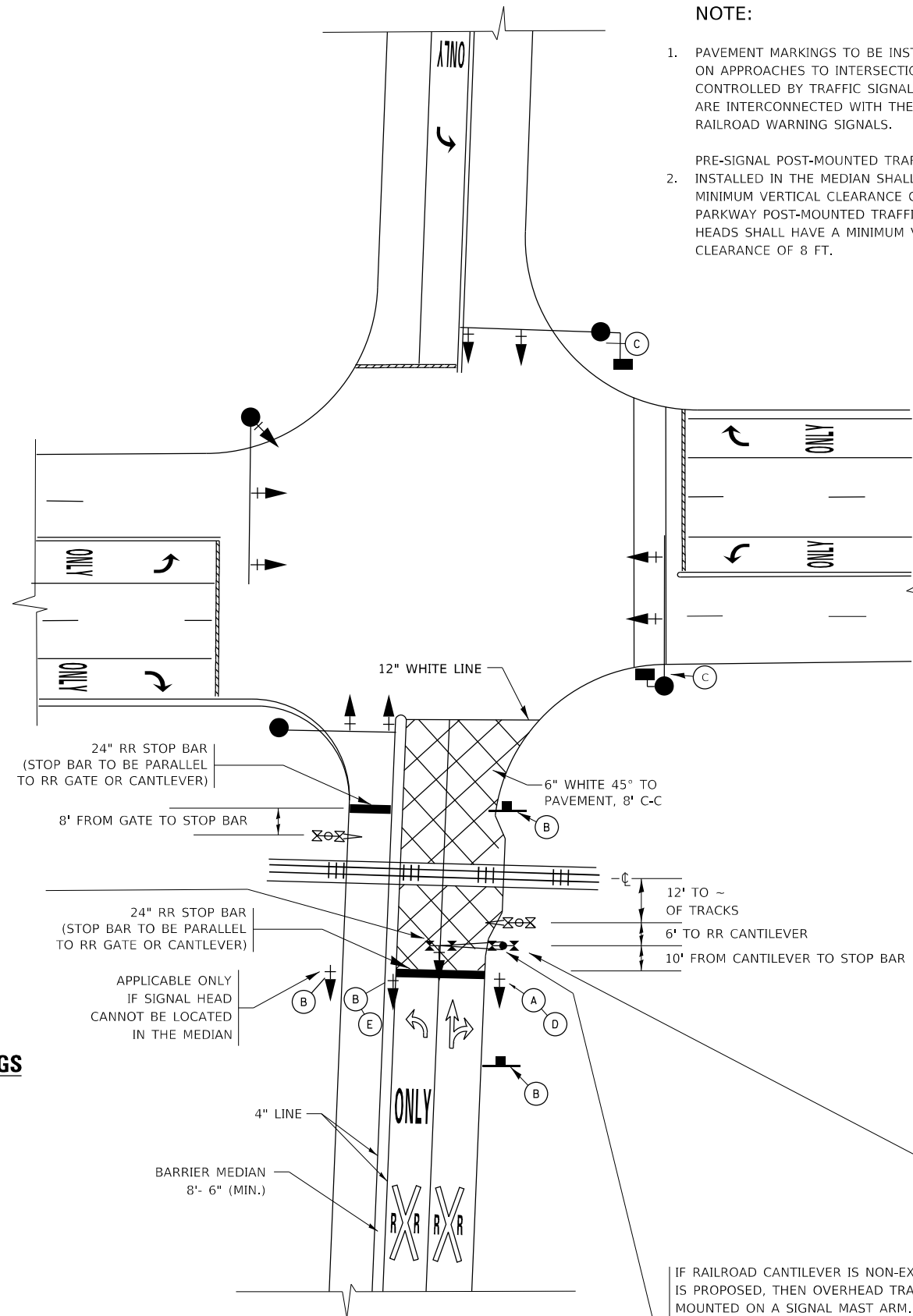
RAILROAD CANTILEVER SIGNAL HEAD MOUNTING
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
 N.T.S.

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.

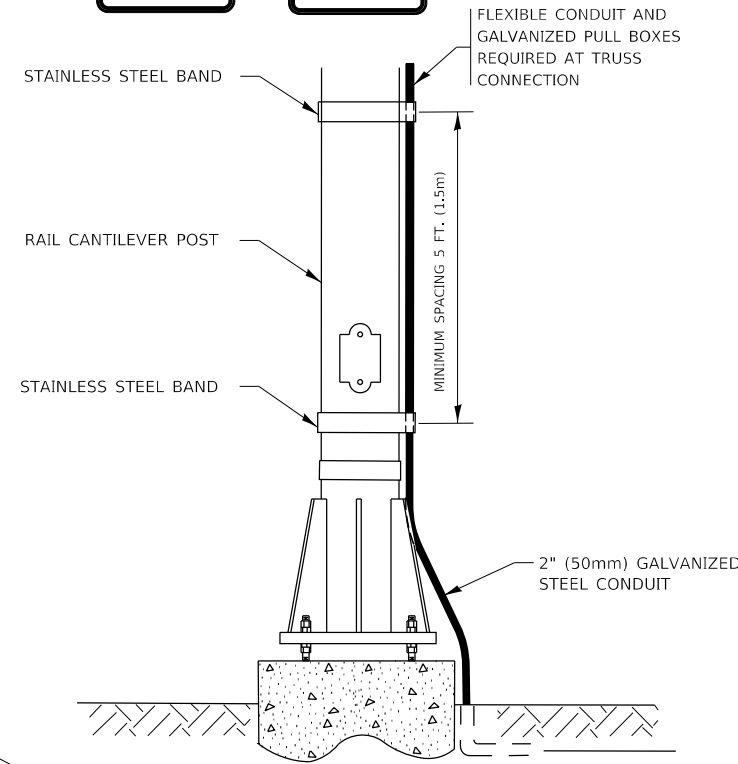
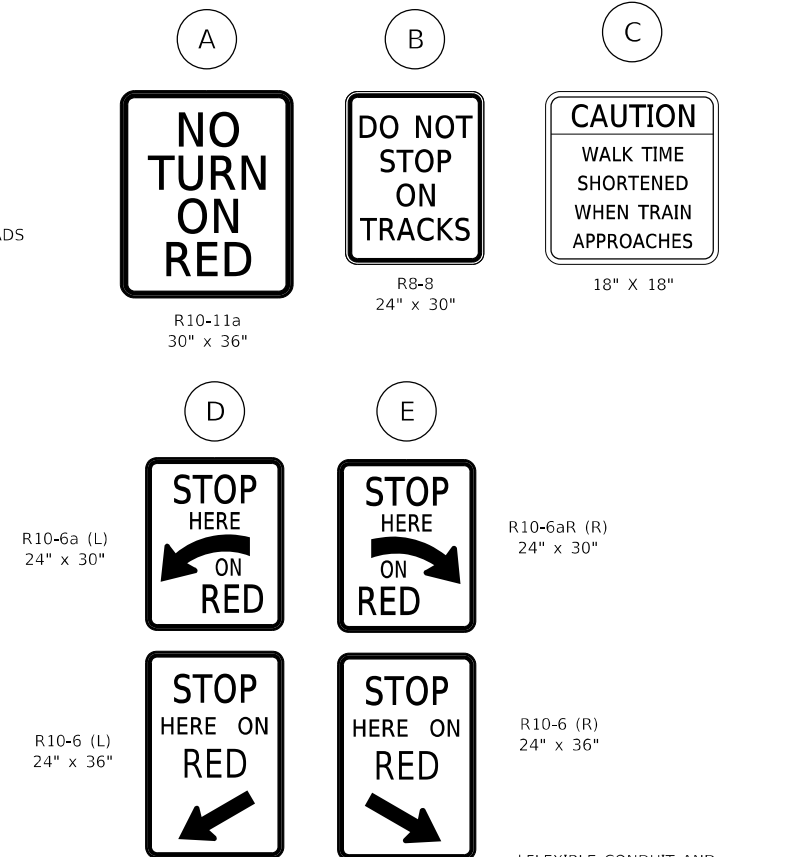
THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

NOTE:

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



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.

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.

USER NAME = footeem	DESIGNED -	REVISED - 02-25-11
	DRAWN -	REVISED - 04-26-12
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - A.R. 07-11-16
PLOT DATE = 8/22/2019	DATE -	REVISED - D.G. 8-22-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

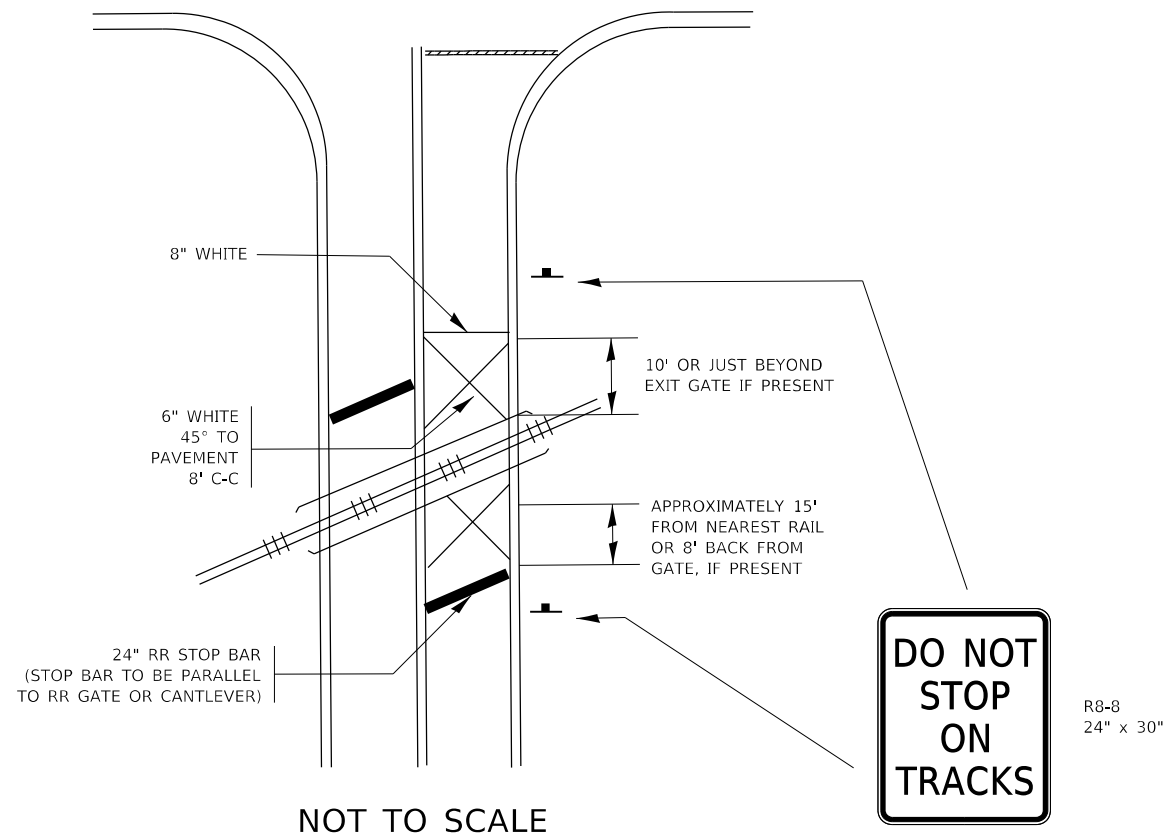
**TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	39
TC-23			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

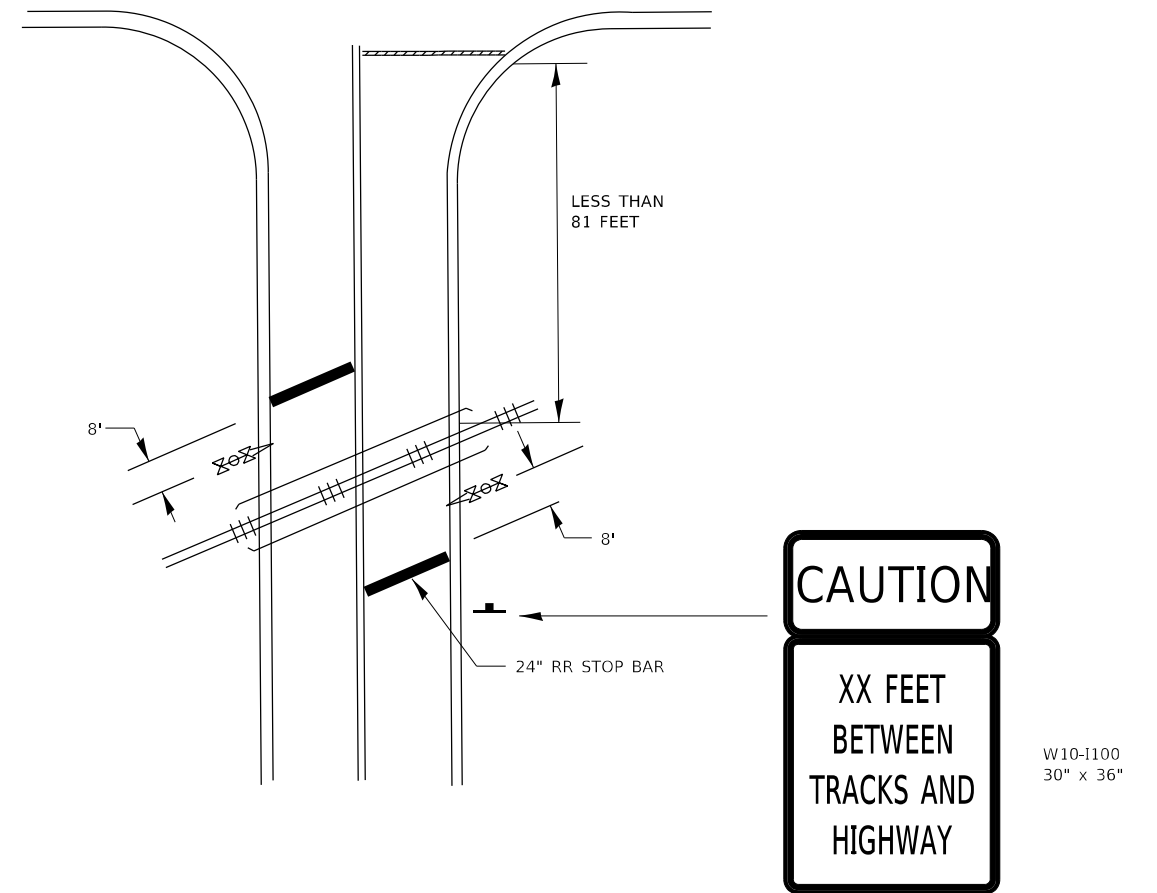
WITH SIGNALIZED INTERSECTION



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.

MODEL: D:\draft FILE NAME: p:\1108\BEBID\NTEC\Illinois.gov\RWIDOT\Documents\DOT_Offices\District_1\Projects\15122-234\CAD\Drawings\CAD\Sheet\15122.dgn

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 1 / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

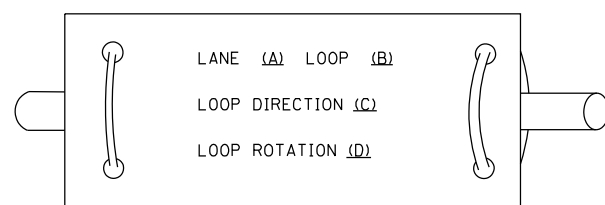
SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	40
TC-23			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

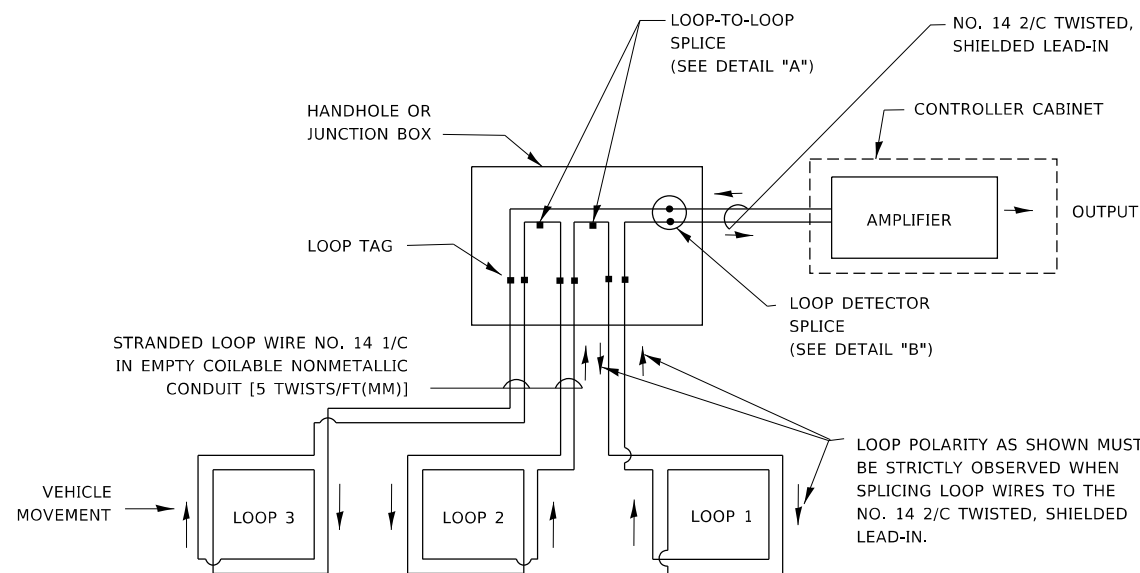
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

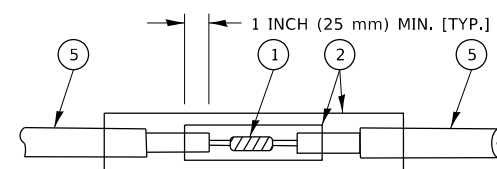


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

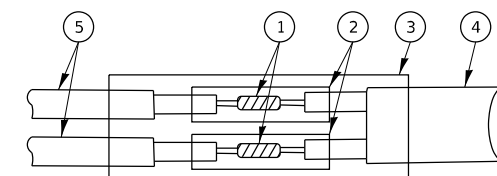


DETECTOR LOOP WIRING SCHEMATIC

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

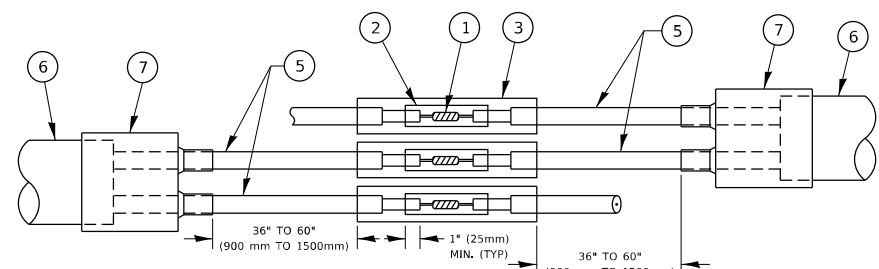


DETAIL "A"
LOOP-TO-LOOP SPLICE

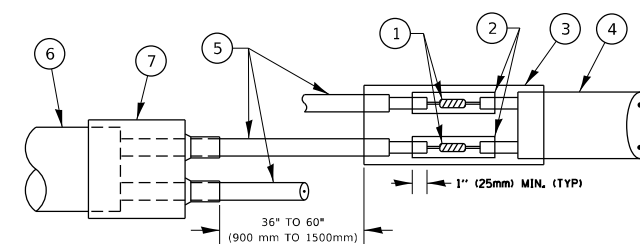


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

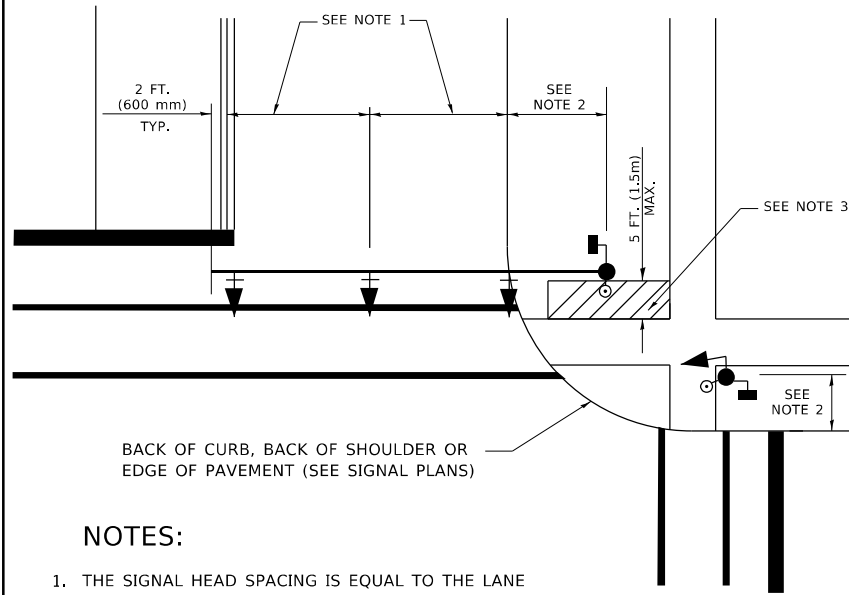
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	41
TS-05			CONTRACT NO. 62M01	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

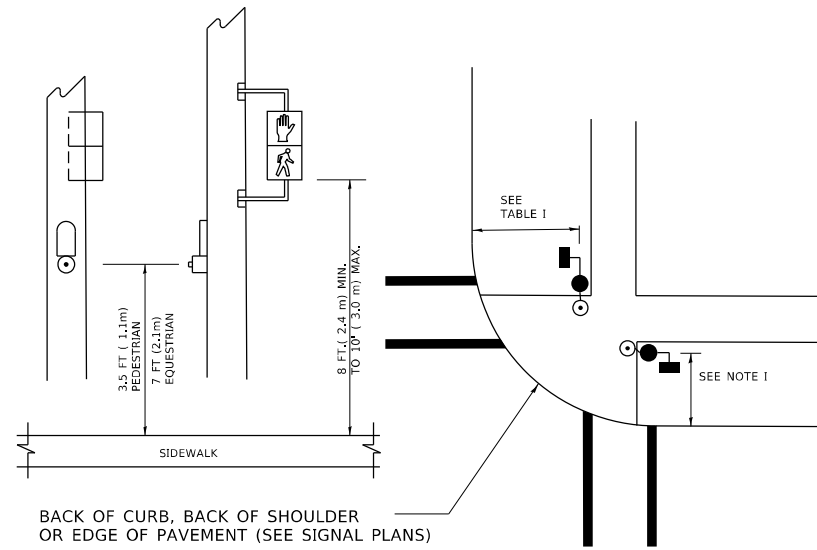
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

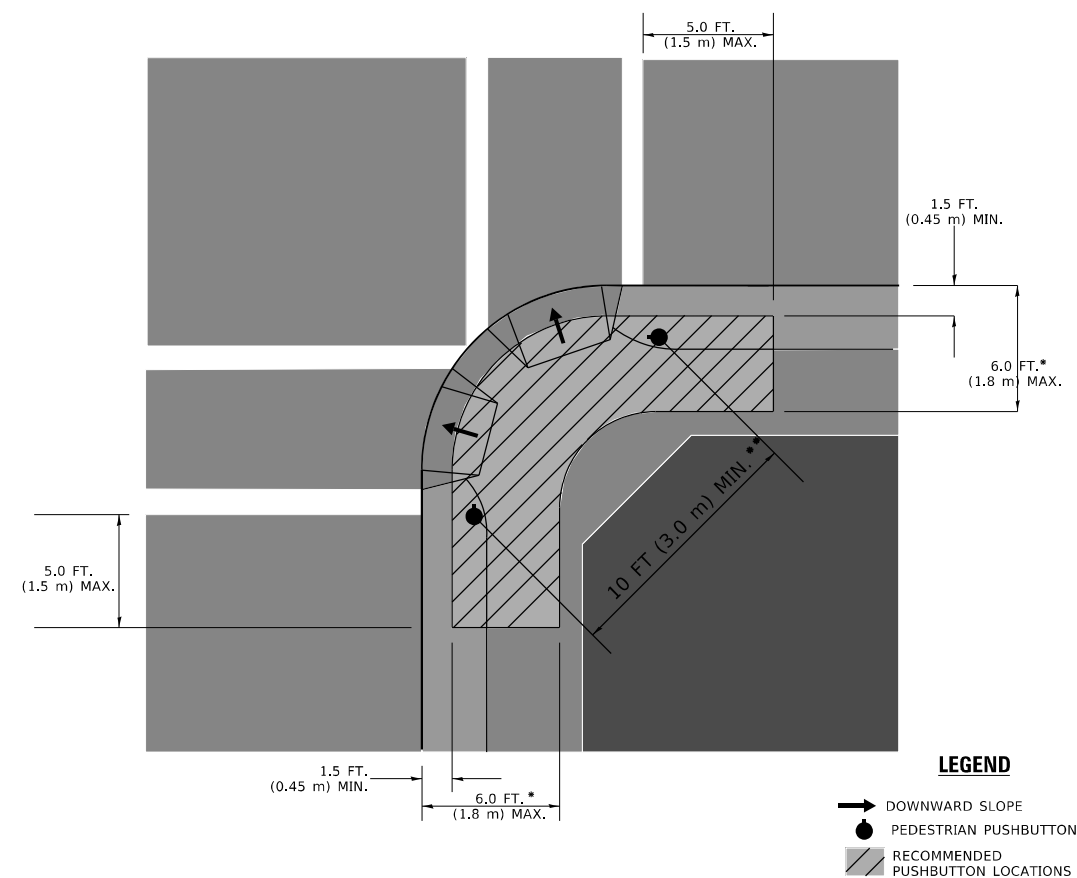
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS, THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

MODEL: D:\draft... FILE NAME: ... PROJECT: ... OFFICE: ...

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	42
TS-05		CONTRACT NO. 62M01		
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

LOOPS NEXT TO SHOULDERS

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

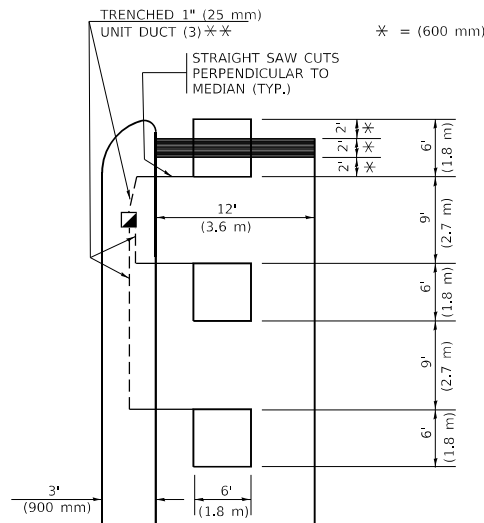


* = (600 mm)

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

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

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

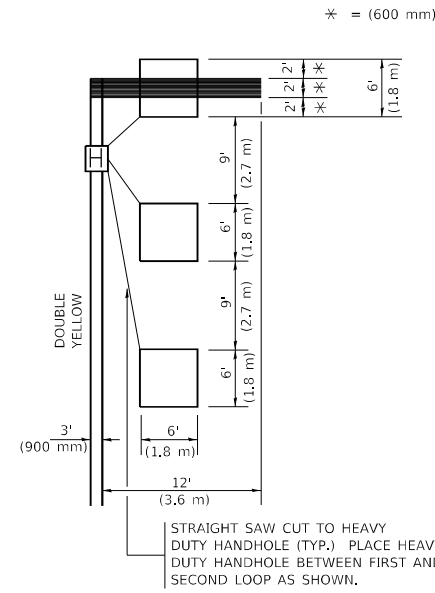


* = (600 mm)

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

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

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

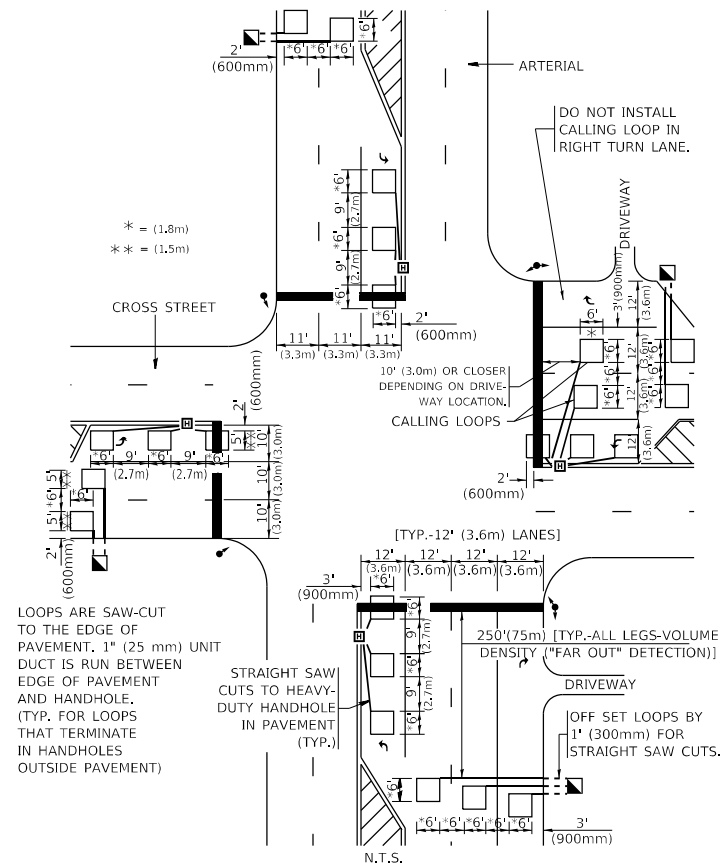
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

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

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



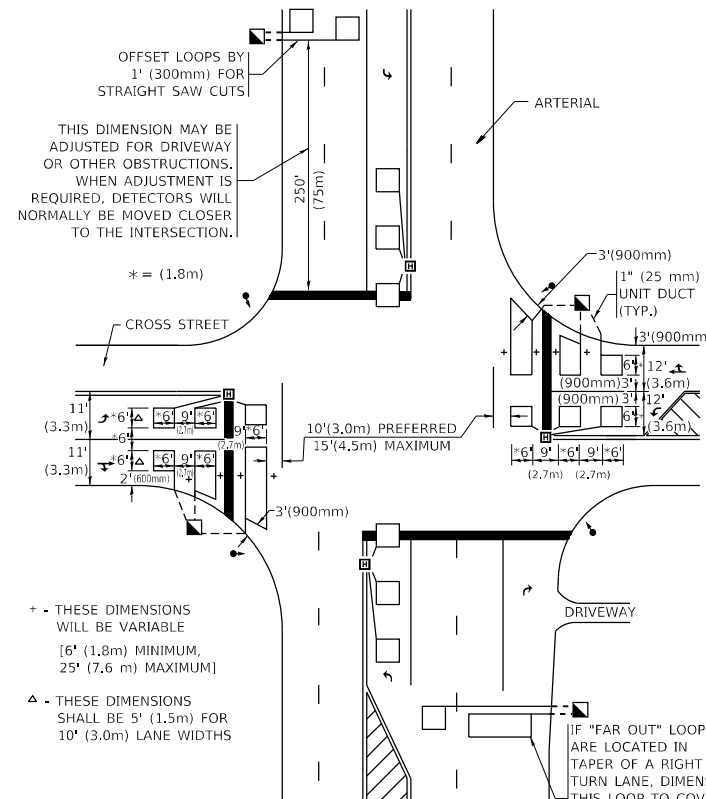
* = (1.8m)
 ** = (1.5m)

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

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

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.

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

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

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

USER NAME = footem	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2020-123-R5	COOK	43	43
TS-07		CONTRACT NO. 62M01		
ILLINOIS FED. AID PROJECT				