

08-04-2023 LETTING ITEM 002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1621	22-00176-00-RS	COOK	32	1
1 ILLINOIS			CCZ8(611)	

PROPOSED HIGHWAY PLANS

FAU ROUTE 1621 (RIDGE ROAD)
TORRENCE AVENUE TO STATE LINE ROAD
ROADWAY RESURFACING
SECTION NO.: 22-00176-00-RS
PROJECT NO.: CCZ8(611)
VILLAGE of LANSING
COOK COUNTY
JOB NO.: C-91-224-22

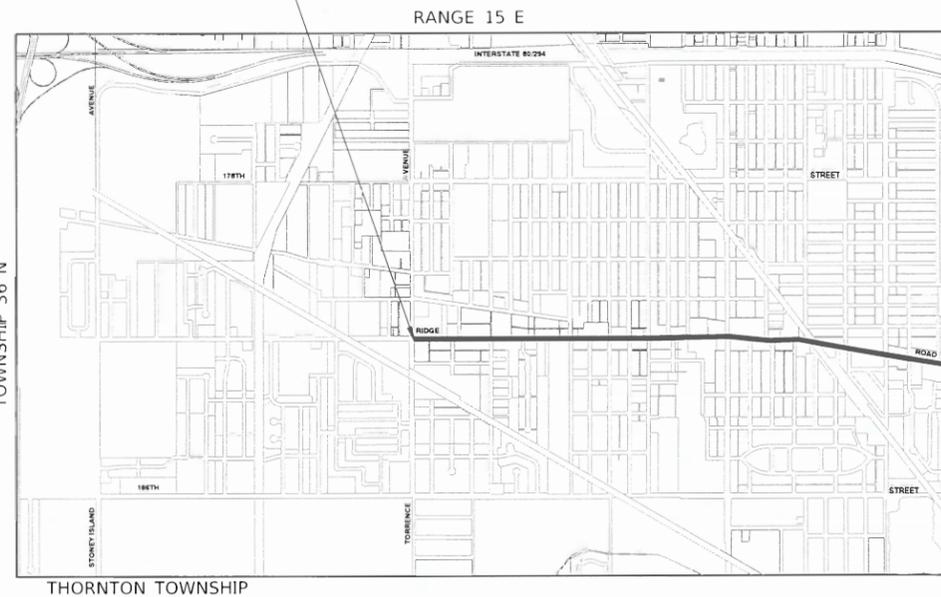
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

TORRENCE AVE TO BURNHAM AVE	
2018 ADT-	1,350
BURNHAM AVE TO STATE LINE RD	
2018 ADT-	13,400
POSTED SPEED LIMIT-	25MPH - 35 MPH
FUNCTIONAL CLASSIFICATION-	MINOR ARTERIAL



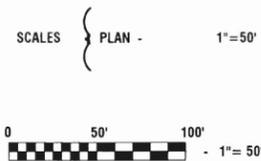
BEGIN PROJECT
STA 10+23.61

VILLAGE OF LANSING



LOCATION MAP
NOT TO SCALE

END PROJECT
STA 101+59.66



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



WILLIAM P. DOHERTY
LICENSE EXPIRES: 11/30/23
04-24-2023

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>Patricia J. P. D.</i> VILLAGE OF LANSING, MAYOR
PASSED	<i>MAY 23, 2023</i> <i>C. P. [Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>MAY 23, 2023</i> <i>Tom [Signature]</i> REGIONAL ENGINEER

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THE STATE OF ILLINOIS

GROSS LENGTH = 9,136 FEET = 1.73 MILES
NET LENGTH = 9,136 FEET = 1.73 MILES

I.D.O.T. FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, PE, SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61H88

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
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7-8	TYPICAL CROSS SECTIONS
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16-19	PAVEMENT MARKING AND SIGNAGE PLAN
20-21	ADA RAMP DETAIL
22	PUSH BUTTON ACTIVATED RECTANGULAR RAPID FLASHING BEACONS (RRFB) DETAIL
23-32	IDOT DISTRICT 1 STANDARDS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701011-04	OFF FOAD MOVING OPERATIONS, 2L,2W, DAY ONLY
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 OPERATION FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
878001-11	CONCRETE FOUNDATION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

DISTRICT ONE DETAILS

BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

GENERAL NOTES

- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF LANSING, SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS 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 SURFACE IS PLACED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
- CLASS C AND CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING. PATCHES WITHIN THE ROADWAY SHALL BE PERFORMED AFTER MILLING.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

FILE NAME = 21R0850-INDX-01 - P01	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING INDEX OF SHEETS, STANDARDS & GENERAL NOTES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --		1621	22-00176-00-RS	COOK	32	2			
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61H88							
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 2 OF 32 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT CC28(611)		

SUMMARY OF QUANTITIES						FED 80% VILLAGE 20%	FED 80% VILLAGE 20%
						ROADWAY	SAFETY
S.P.	S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
						0005	0021
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	810	810	
		25200110	SODDING, SALT TOLERANT	SQ YD	810	810	
		25200200	SUPPLEMENTAL WATERING	UNIT	90	90	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	95	95	
		28000510	INLET FILTERS	EACH	89	89	
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	500	500	
		35800100	PREPARATION OF BASE	SQ YD	271	271	
X		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	90	90	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34,485.0	34,485	
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	21,482.00	21,482	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	640	640	
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2,150	2,150	
		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4,295	4,295	
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	210	210	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14,600	14,600	
X		42400800	DETECTABLE WARNINGS	SQ FT	960	960	
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	51,088	51,088	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	425	425	

S.I. SPECIALTY ITEM

FILE NAME - 21R0850-QUAN-01 - P01	USER NAME -	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING SUMMARY OF QUANTITIES			FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		CHECKED - WD	REVISED -		SCALE: NONE	SHEET NO. 3	OF 32 SHEETS	STA.	TO STA.	1621	22-00176-00-RS	COOK	32	3
		DRAWN - RG	REVISED -		CONTRACT NO. 61H88									
		CHECKED - AG	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)									

SUMMARY OF QUANTITIES						FED 80% VILLAGE 20%	FED 80% VILLAGE 20%
						ROADWAY	SAFETY
S.P.	S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
						0005	0021
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,360	5,360	
		44000600	SIDEWALK REMOVAL	SQ FT	14,500	14,500	
		44201325	CLASS C PATCHES, TYPE I, 8 INCH	SQ YD	25	25	
		44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	160	160	
		44201333	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	165	165	
		44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	150	150	
		44201690	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	25	25	
		44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	160	160	
		44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	165	165	
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	150	150	
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	18	18	
		60404800	FRAMES AND GRATES, TYPE 11	EACH	4	4	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,130	5,130	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	270	270	
		67100100	MOBILIZATION	LSUM	1	1	
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1	
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1	

S.I. SPECIALTY ITEM

FILE NAME = 21R0950-QUAN-01 - P02	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		CHECKED -- WD	REVISED --		SCALE: NONE	SHEET NO. 4	OF 32 SHEETS	STA.	TO STA.	1621	22-00178-00-RS	COOK	32	4
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61H88									
	PLOT DATE = 05-29-2023	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CCZ8(611)									

SUMMARY OF QUANTITIES						FED 80% VILLAGE 20%	FED 80% VILLAGE 20%
						ROADWAY	SAFETY
S.P.	S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
						0005	0021
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1	
		70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	65	65	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	17,365		17,365
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,788		5,788
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1,315		1,315
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	23,015		23,015
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	3,792		3,792
		70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	178		178
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	3,325		3,325
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	860		860
	XX	72000100	SIGN PANEL - TYPE 1	SQ FT	66		66
	XX	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	9		9
	XX	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1		1
	XX	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	93		93
	XX	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	6		6

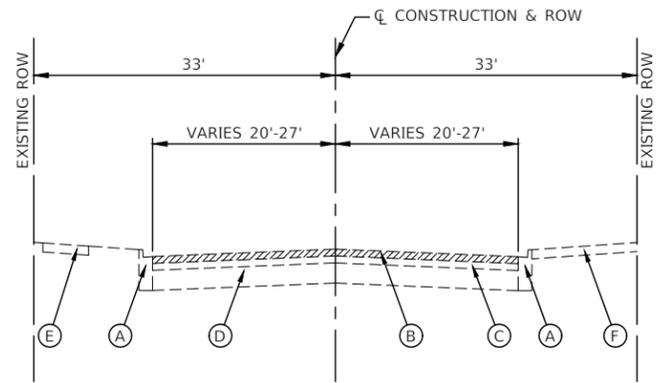
S.I. SPECIALTY ITEM

FILE NAME = 21R0850-QUAN-01 - P03	USER NAME =	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING SUMMARY OF QUANTITIES			F.A.U. RTE. 1621	SECTION 22-00176-00-RS	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 5
	PLOT SCALE =	CHECKED - WD	REVISED -		SCALE: NONE	SHEET NO. 5	OF 32 SHEETS	STA.	TO STA.	CONTRACT NO. 61H88		
	PLOT DATE = 05-26-2023	DRAWN - RG	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)							
		CHECKED - AG	REVISED -									

SUMMARY OF QUANTITIES						FED 80% VILLAGE 20%	FED 80% VILLAGE 20%
						ROADWAY	SAFETY
S.P.	S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
						0005	0021
	XX	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,315		1,315
	XX	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23,015		23,015
	XX	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,792		3,792
	XX	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	178		178
	XX	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3,325		3,325
	XX	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	860		860
	XX	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	6,500		6,500
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	263	263	
X	XX	88600600	DETECTOR LOOP REPLACEMENT	FOOT	325	325	
X		Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	215	215	
X		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	250	250	
X		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	4	4	
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
#		Z0076600	TRAINEES	HOUR	500	500	
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
X	XX	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	6		6
X	XX	X2800001	IMPRINTED THERMOPLASTIC CROSSWALK	SQ YD	200	200	

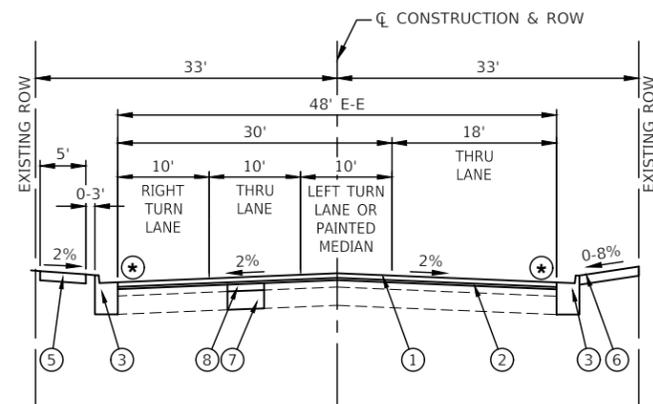
S.I. SPECIALTY ITEM #0042

FILE NAME = 21R6850-DJAN-01 - P04	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- WD	REVISED --					1621	22-00176-00-RS	COOK	32	6
	PLOT DATE = 05-26-2023	DRAWN -- RG	REVISED --					CONTRACT NO. 61H88				
		CHECKED -- AG	REVISED --					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC78(611)				
				SCALE: NONE	SHEET NO. 6 OF 32 SHEETS	STA.	TO STA.					



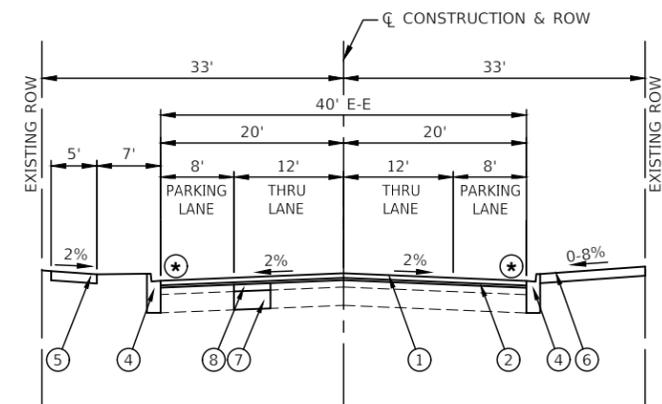
EXISTING TYPICAL SECTION

RIDGE ROAD
STA 10+23.61 TO STA 101+59.66



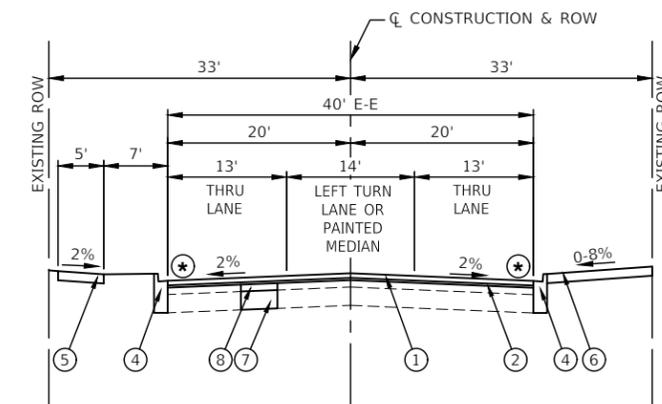
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 10+23.61 TO STA 14+30.00



PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 14+30.00 TO STA 22+00.00



PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 22+00.00 TO STA 59+83.75

EXISTING LEGEND

- (A) EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (C) EXISTING ASPHALT TO REMAIN, ±4"
- (D) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, ±8"
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (F) EXISTING PARKWAY COMPOSITION TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
 - TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT

NOTE

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50"

PROPOSED LEGEND

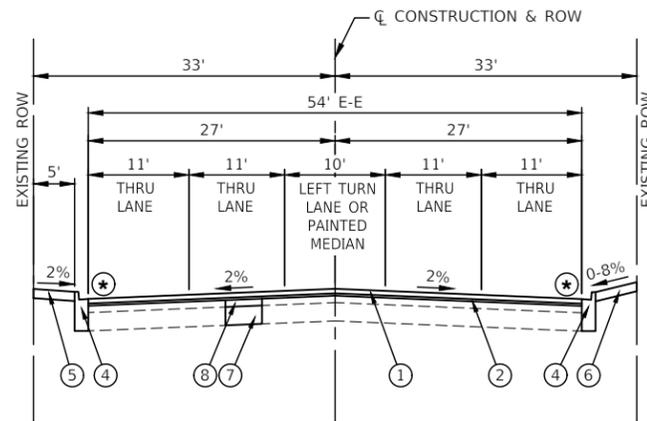
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (6) RESTORATION PER PARKWAY COMPOSITION (AS DIRECTED BY THE ENGINEER)
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
 - TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- (7) CLASS C PATCHES, 8 INCH
- (8) CLASS D PATCHES, 4 INCH
- (★) FINISHED PAVEMENT SURFACE SHALL BE 1/4" ABOVE TOP OF GUTTER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"	4% @ 70 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	LR 1030-2
HMA DRIVEWAY PAVEMENT 4"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N50, 1-3/4"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER 19mm), 4 INCH	4% @ 70 Gyr.	LR 1030-2

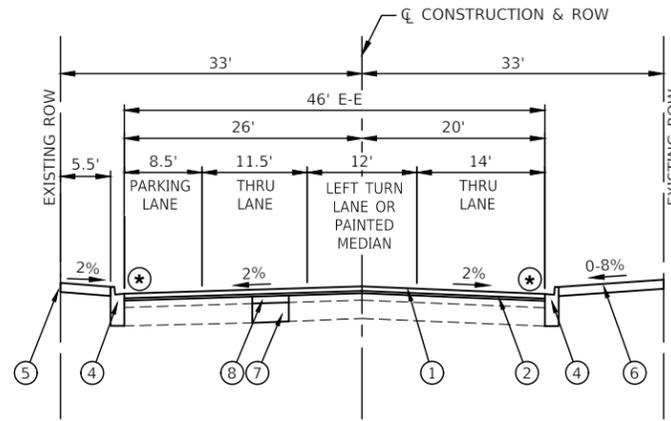
NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE IS 112 LBS/SQ/IN.
2. ALL PATCHING OPERATIONS SHALL TAKE PLACE AFTER SURFACE MILLING HAS BEEN COMPLETED.
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG-64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.



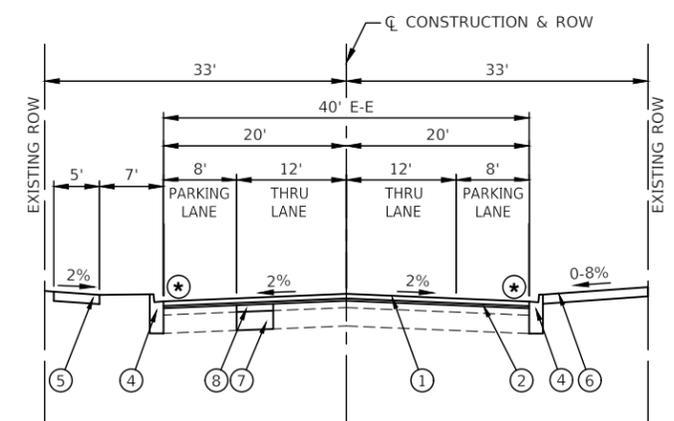
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 59+83.75 TO STA 69+40.40



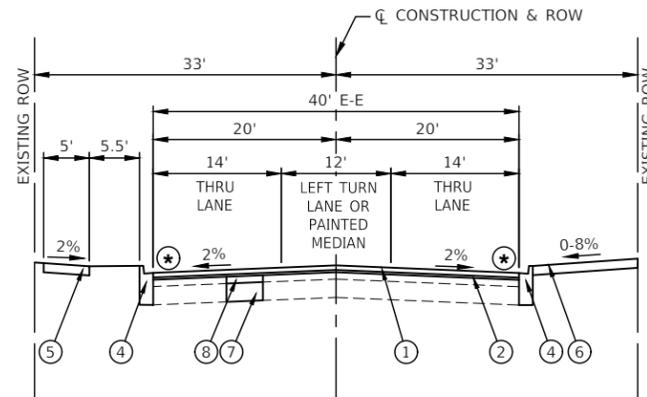
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 69+40.40 TO STA 72+00.00



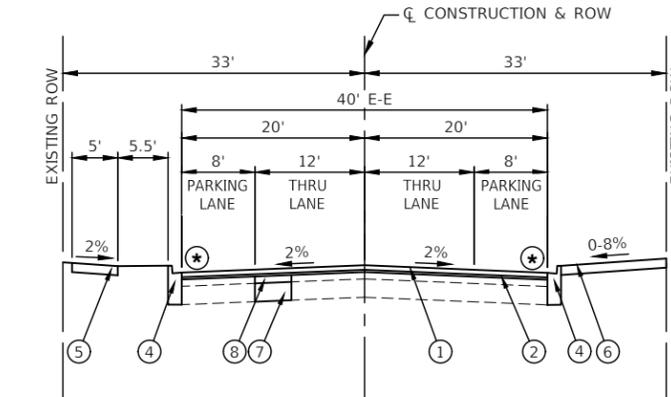
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 72+00.00 TO STA 75+00.00



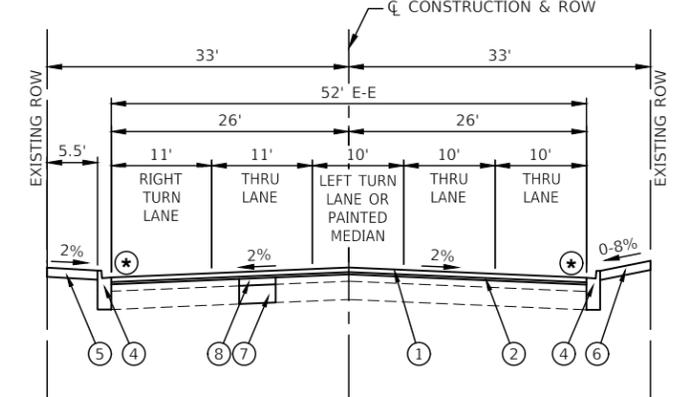
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 75+00.00 TO STA 80+00.00



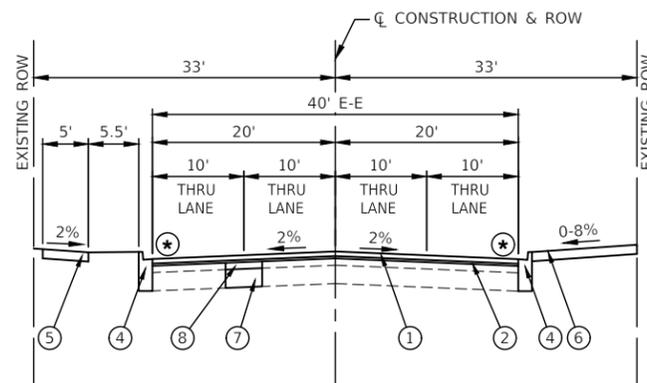
PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 80+00.00 TO STA 86+00.00



PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 86+00.00 TO STA 96+00.00



PROPOSED TYPICAL SECTION

RIDGE ROAD
STA 96+00.00 TO STA 101+59.66

EXISTING LEGEND

- (A) EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (C) EXISTING ASPHALT TO REMAIN, ±4"
- (D) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, ±8"
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (F) EXISTING PARKWAY COMPOSITION TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
 - TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT

NOTE

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50"

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- ⑥ RESTORATION PER PARKWAY COMPOSITION (AS DIRECTED BY THE ENGINEER)
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH
 - TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- ⑦ CLASS C PATCHES, 8 INCH
- ⑧ CLASS D PATCHES, 4 INCH
- (*) FINISHED PAVEMENT SURFACE SHALL BE 1/4" ABOVE TOP OF GUTTER

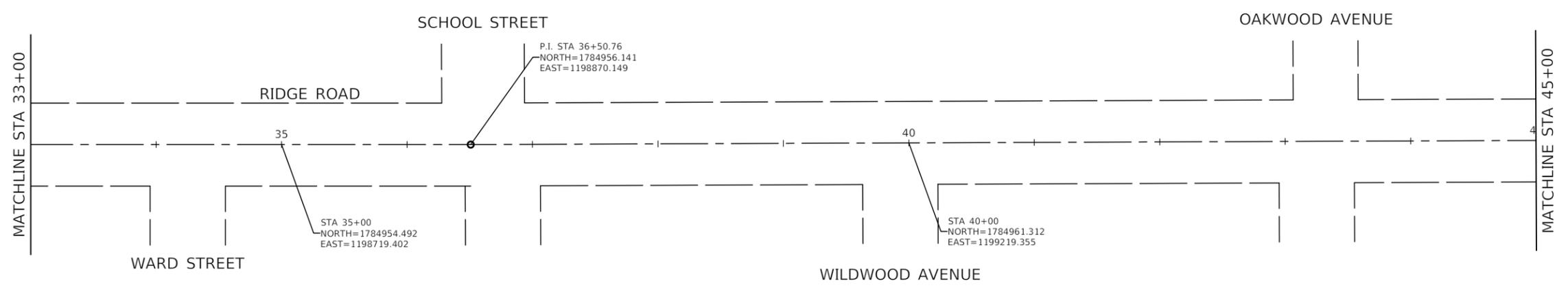
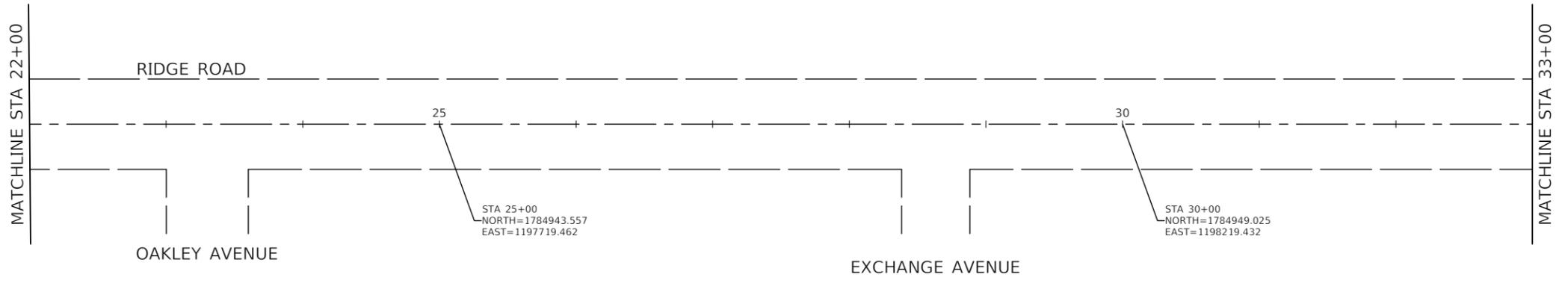
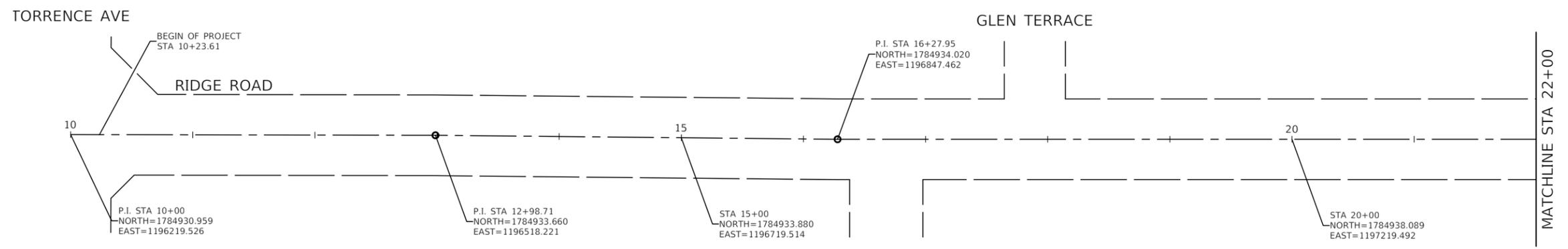
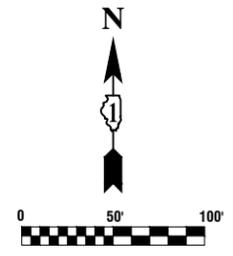
FILE NAME = 21R0850-TYPX-01 - P02

USER NAME =	DESIGNED -- MW	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIDGE ROAD ROADWAY RESURFACING TYPICAL CROSS SECTIONS		
SCALE: NONE	SHEET NO. 8 OF 32 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	8
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				

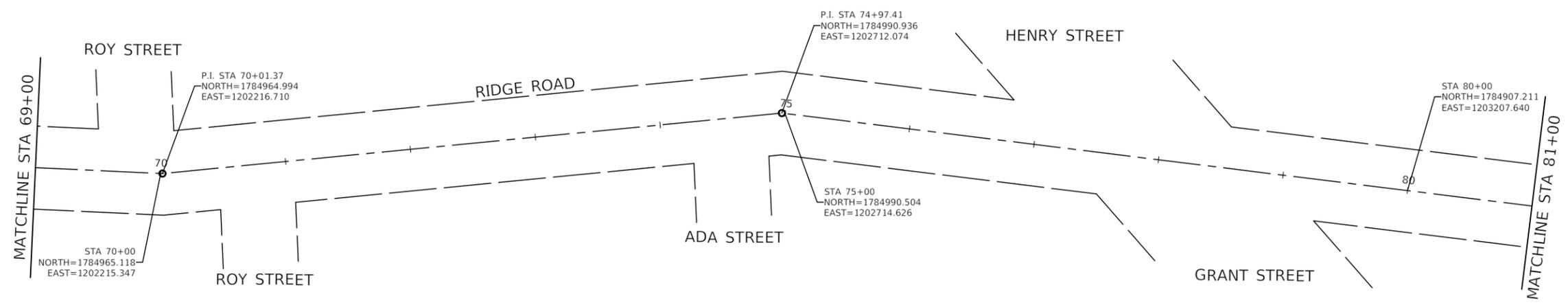
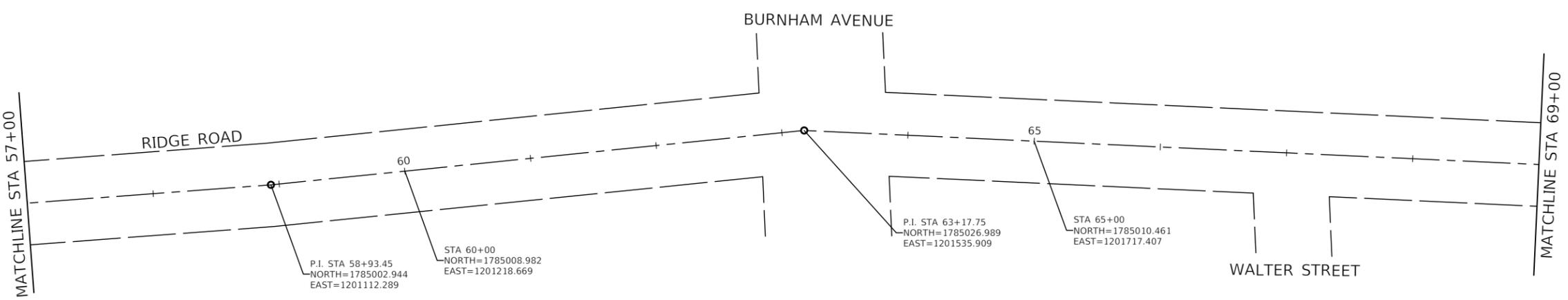
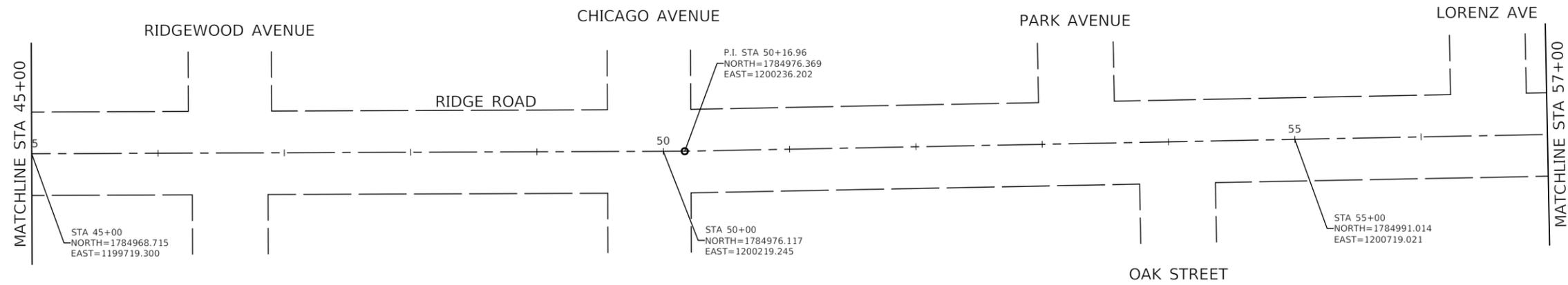
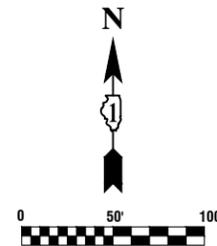


FILE NAME = 21R0850-TIES-01 - P01	USER NAME =	DESIGNED -- MW	REVISED --
		CHECKED -- WD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIDGE ROAD ROADWAY RESURFACING ALIGNMENT AND TIES			
SCALE: 1"=50'	SHEET NO. 9	OF 32 SHEETS	STA. 10+00 TO STA. 45+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	9
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CCZ8(611)				

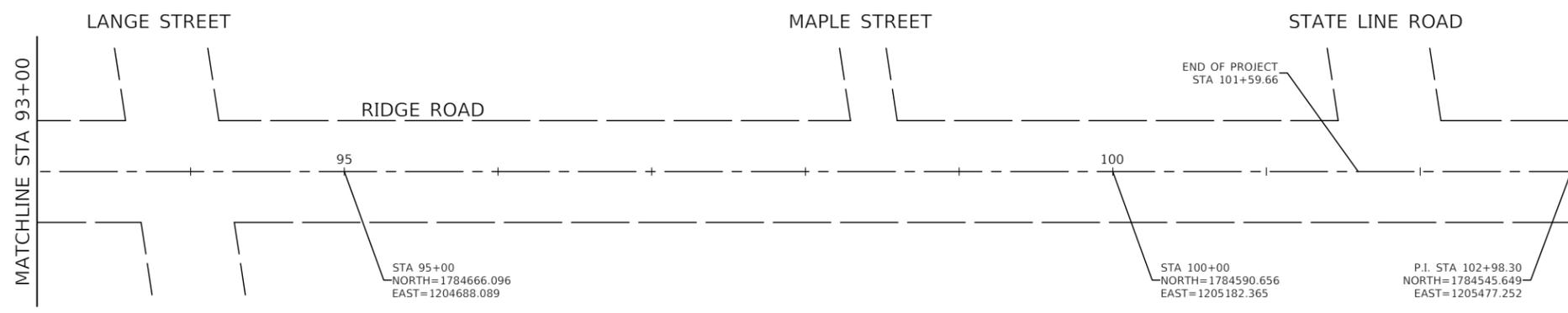
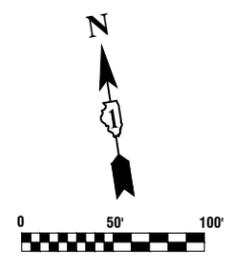
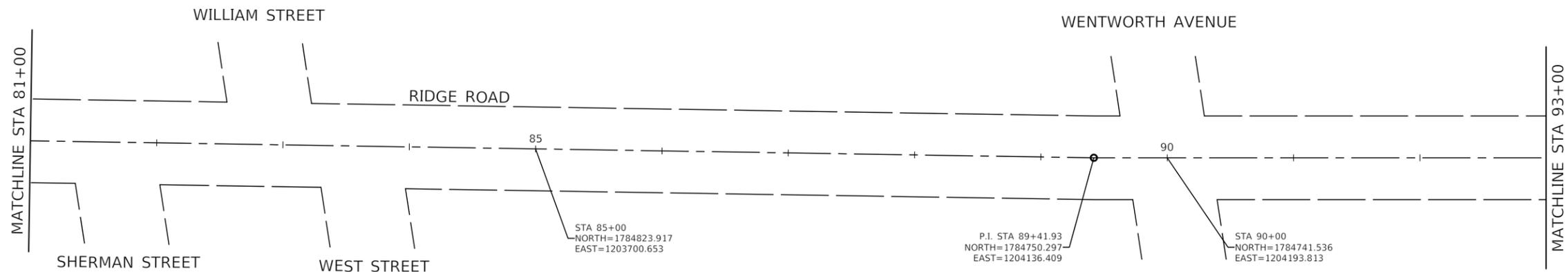


FILE NAME = 21R0850-TIES-01 - P02	USER NAME =	DESIGNED -- MW	REVISED --
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	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

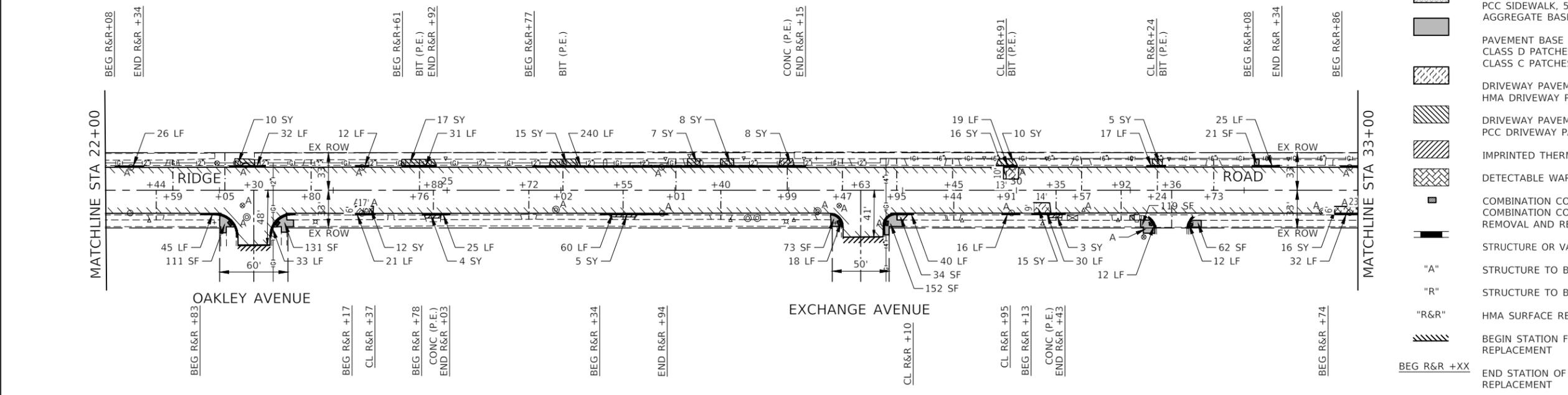
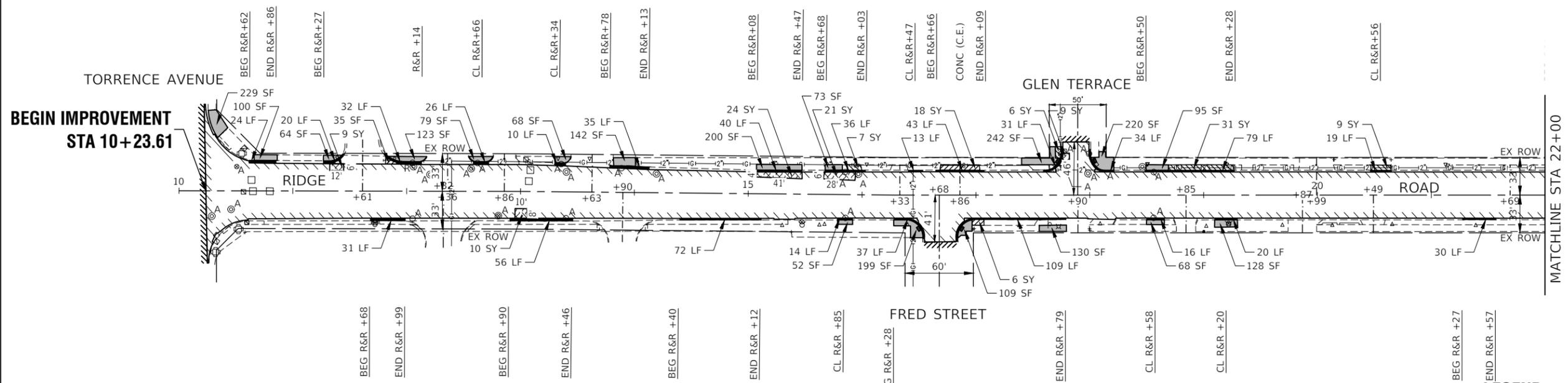
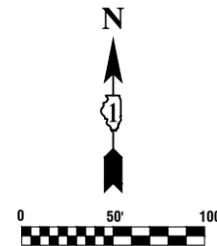
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIDGE ROAD ROADWAY RESURFACING ALIGNMENT AND TIES			
SCALE: 1"=50'	SHEET NO. 10 OF 32 SHEETS	STA. 45+00 TO STA. 81+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	10
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CCZ8(611)				



FILE NAME = 21R0850-TIES-01 - P03	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING ALIGNMENT AND TIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -- WD	REVISED --			1621	22-00176-00-RS	COOK	32	11	
	PLOT DATE = 05-26-2023	DRAWN -- RG	REVISED --			CONTRACT NO. 61H88					
		CHECKED -- AG	REVISED --			SCALE: 1"=50'	SHEET NO. 11 OF 32 SHEETS	STA. 81+00 TO STA. 102+98.30	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT



LEGEND

- HMA SURFACE REMOVAL, 2"
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL AND REPLACEMENT
- PCC SIDEWALK, 5" (7" THRU DRIVEWAYS)
- AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR
- CLASS D PATCHES, 4"
- CLASS C PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL
- HMA DRIVEWAY PAVEMENT, 4"
- DRIVEWAY PAVEMENT REMOVAL
- PCC DRIVEWAY PAVEMENT, 7"
- IMPRINTED THERMOPLASTIC CROSSWALK (SEE SPECIFICATIONS)
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- REMOVAL AND REPLACEMENT
- STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "A" STRUCTURE TO BE RECONSTRUCTED
- "R" STRUCTURE TO BE REMOVED & REPLACED
- "R&R" HMA SURFACE REMOVAL - BUTT JOINT
- BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- BEG R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)
- CL R&R +XX

NOTE:

ALL SIDEWALK RAMPS WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 21R0850-PLAN-01 - REL_22X34

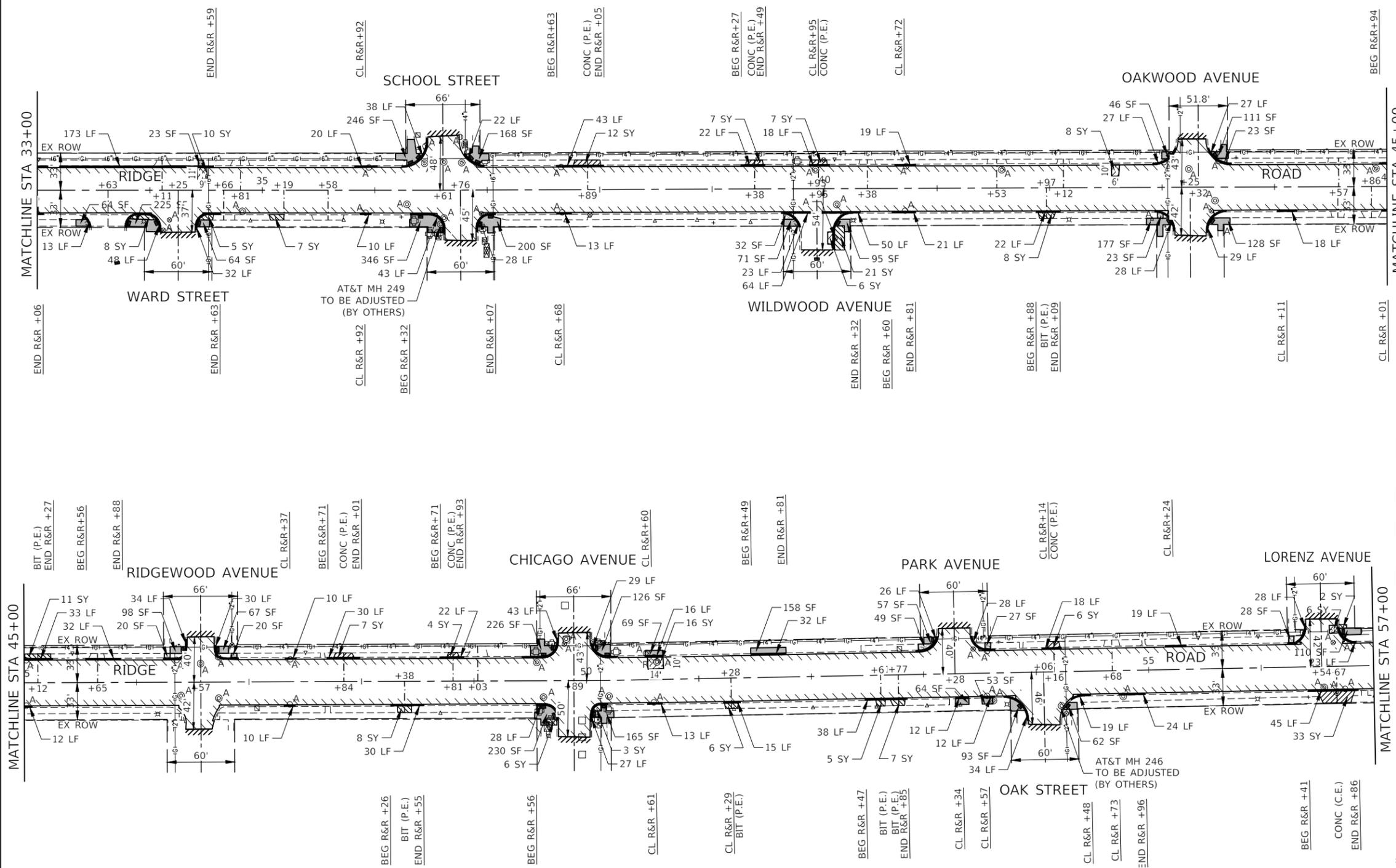
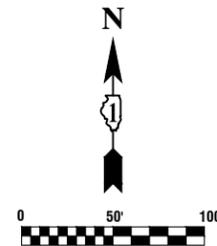
USER NAME =	DESIGNED -- MW	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIDGE ROAD
ROADWAY RESURFACING
PROPOSED IMPROVEMENT PLAN**

SCALE: 1"=50' SHEET NO. 12 OF 32 SHEETS STA. 10+23.61 TO STA. 33+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	12
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CCZ8(611)	



LEGEND

- HMA SURFACE REMOVAL, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL AND REPLACEMENT
PCC SIDEWALK, 5" (7" THRU DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR
CLASS D PATCHES, 4"
CLASS C PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 4"
- DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 7"
- IMPRINTED THERMOPLASTIC CROSSWALK (SEE SPECIFICATIONS)
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, B-6.12
COMBINATION CONCRETE CURB AND GUTTER, B-6.24
REMOVAL AND REPLACEMENT
- STRUCTURE OR VALVE BOX TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE TO BE REMOVED & REPLACED
- HMA SURFACE REMOVAL - BUTT JOINT
- BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)
- CL R&R +XX

NOTE:

ALL SIDEWALK RAMPS WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 21R0850-PLAN-01 - REL_22X34 (2)
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 DESIGNED -- MW
 CHECKED -- WD
 PLOT SCALE =
 DRAWN -- BG
 PLOT DATE = 05-26-2023
 CHECKED -- AG

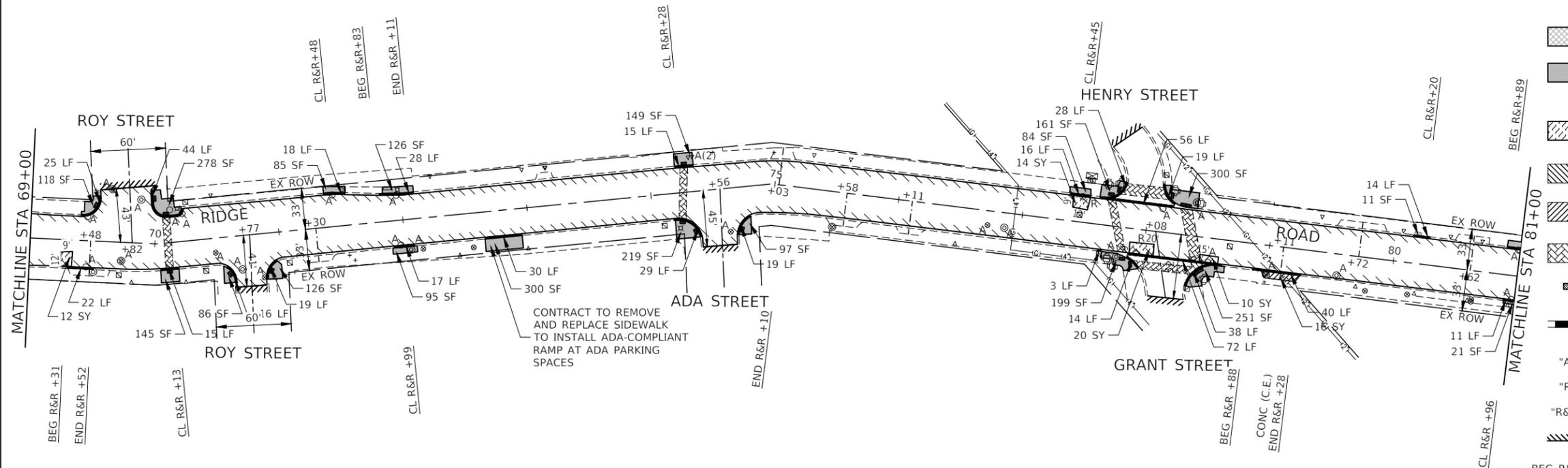
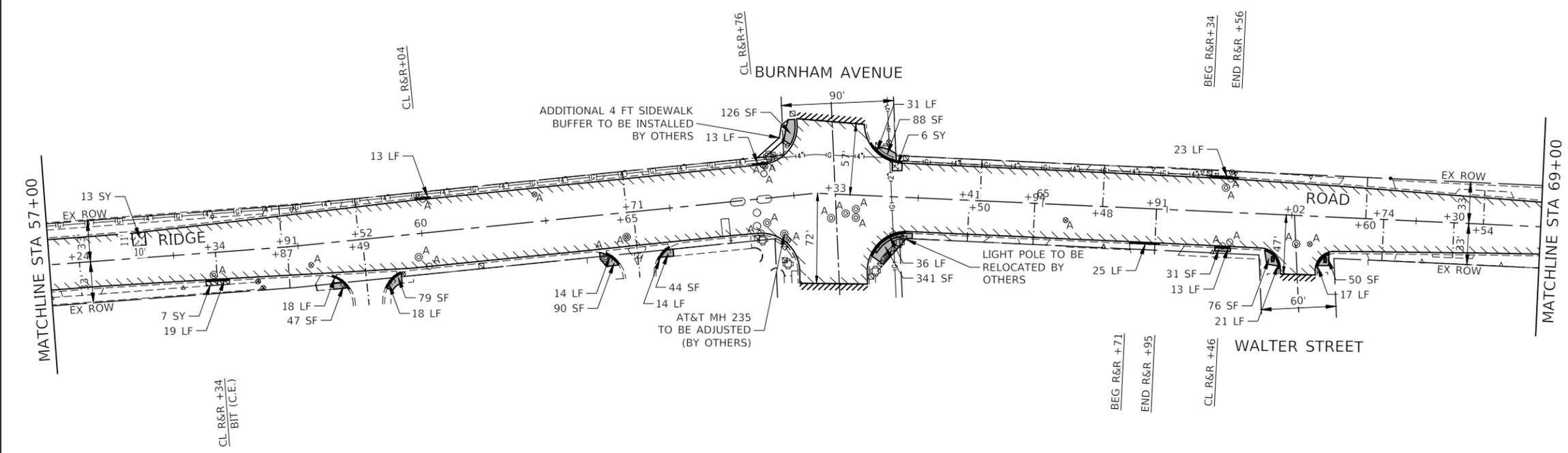
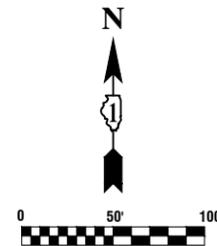
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CHECKED -- WD	REVISD --
DRAWN -- BG	REVISD --
CHECKED -- AG	REVISD --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIDGE ROAD
ROADWAY RESURFACING
PROPOSED IMPROVEMENT PLAN**

SCALE: 1"=50' SHEET NO. 13 OF 32 SHEETS STA. 33+00 TO STA. 57+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	13
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				



LEGEND

- HMA SURFACE REMOVAL, 2"
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL AND REPLACEMENT
- PCC SIDEWALK, 5" (7" THRU DRIVEWAYS)
- AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR
- CLASS D PATCHES, 4"
- CLASS C PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL
- HMA DRIVEWAY PAVEMENT, 4"
- DRIVEWAY PAVEMENT REMOVAL
- PCC DRIVEWAY PAVEMENT, 7"
- IMPRINTED THERMOPLASTIC CROSSWALK (SEE SPECIFICATIONS)
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- REMOVAL AND REPLACEMENT
- STRUCTURE OR VALVE BOX TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED
- "A" STRUCTURE TO BE REMOVED & REPLACED
- "R" HMA SURFACE REMOVAL - BUTT JOINT
- "R&R" BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- BEG R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)
- CL R&R +XX

NOTE:

ALL SIDEWALK RAMPS WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

FILE NAME = 21R0850-PLAN-01 - REL_22X34 (3)

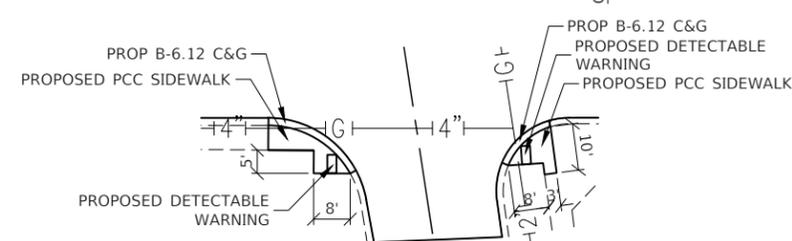
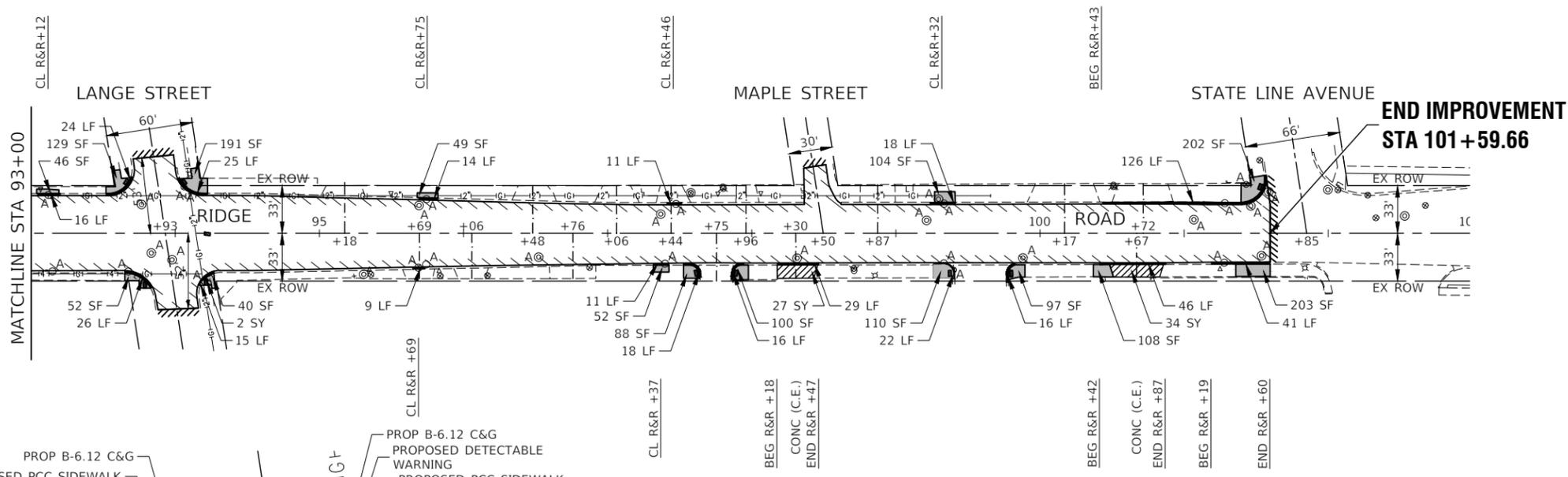
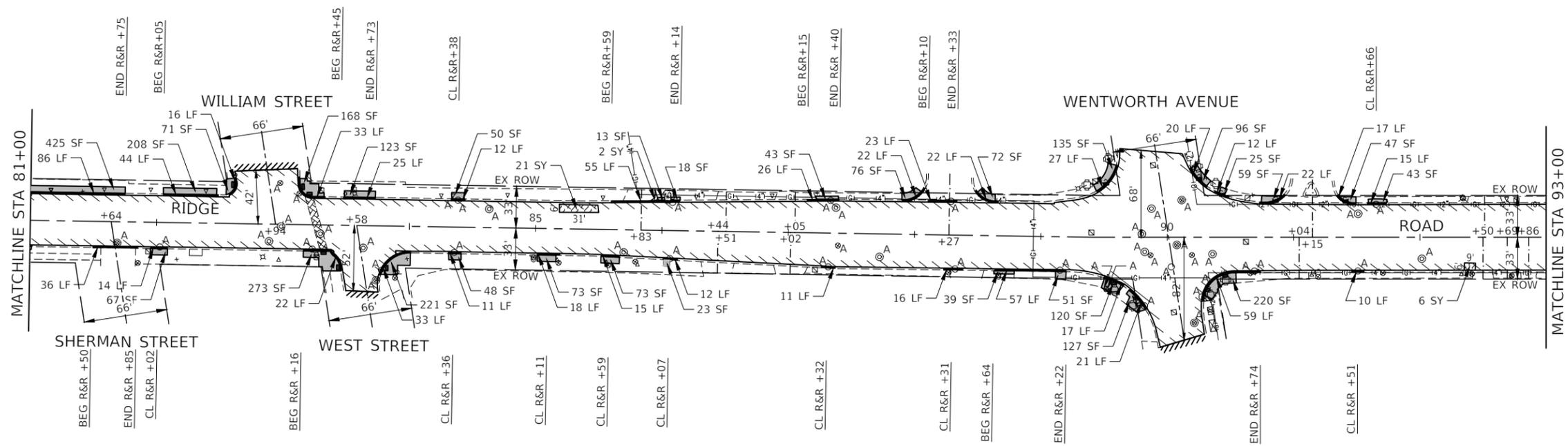
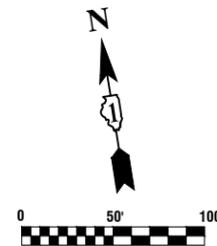
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	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIDGE ROAD
ROADWAY RESURFACING
PROPOSED IMPROVEMENT PLAN**

SCALE: 1"=50' SHEET NO. 14 OF 32 SHEETS STA. 57+00 TO STA. 81+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	14
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				



LANGE STREET - DETAIL
SIDEWALK REPLACEMENT DETAIL
SCALE 1"=20'

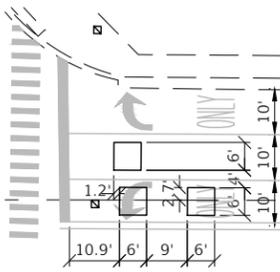
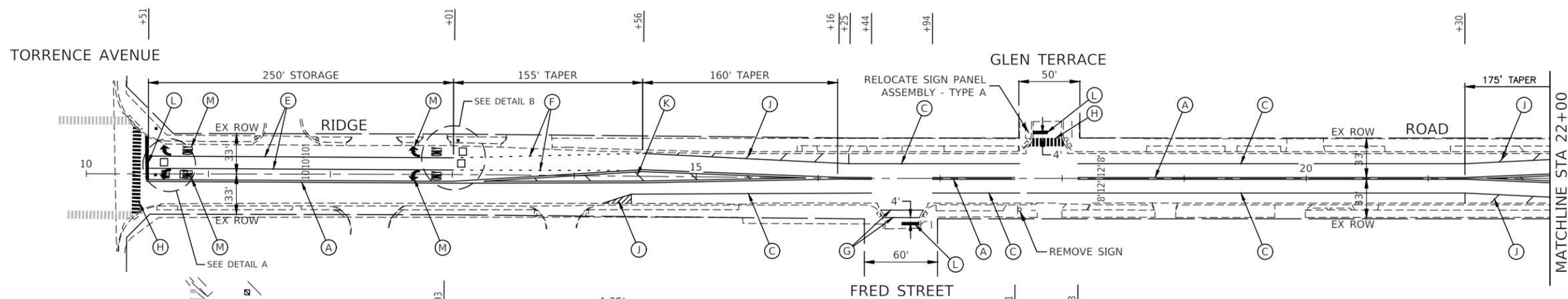
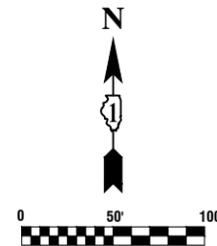
LEGEND

- HMA SURFACE REMOVAL, 2"
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL AND REPLACEMENT
PCC SIDEWALK, 5" (7" THRU DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B, 4"
- PAVEMENT BASE REPAIR
CLASS D PATCHES, 4"
CLASS C PATCHES, 8"
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 4"
- DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 7"
- IMPRINTED THERMOPLASTIC CROSSWALK (SEE SPECIFICATIONS)
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- REMOVAL AND REPLACEMENT
- STRUCTURE OR VALVE BOX TO BE ADJUSTED
- "A" STRUCTURE TO BE RECONSTRUCTED
- "R" STRUCTURE TO BE REMOVED & REPLACED
- "R&R" HMA SURFACE REMOVAL - BUTT JOINT
- BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)

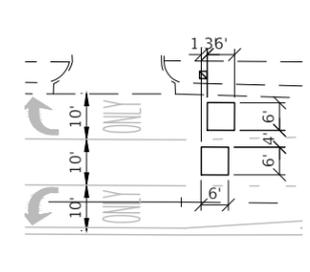
NOTE:

ALL SIDEWALK RAMPS WILL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

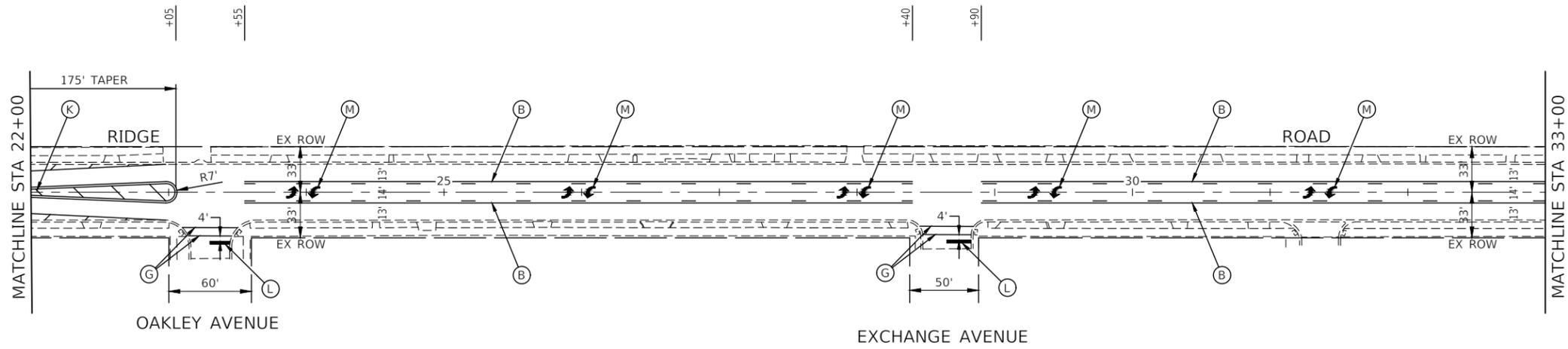
FILE NAME = 21R0850-PLAN-01 - REL_22X34 (4)	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING PROPOSED IMPROVEMENT PLAN	F.A.U. RTE. = 1621	SECTION = 22-00176-00-RS	COUNTY = COOK	TOTAL SHEETS = 32	SHEET NO. = 15	
	PLLOT SCALE =	DRAWN -- BG	REVISED --		SCALE: 1"=50'	SHEET NO. 15 OF 32 SHEETS	STA. 81+00	TO STA. 101+59.66	CONTRACT NO. 61H88		
	PLLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --		SCALE: 1"=50'	SHEET NO. 15 OF 32 SHEETS	STA. 81+00	TO STA. 101+59.66	CONTRACT NO. 61H88		
					SCALE: 1"=50'	SHEET NO. 15 OF 32 SHEETS	STA. 81+00	TO STA. 101+59.66	CONTRACT NO. 61H88		



DETAIL A
DETECTOR LOOP REPLACEMENT DETAIL
SCALE 1"=20'



DETAIL B
DETECTOR LOOP REPLACEMENT DETAIL
SCALE 1"=20'



PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID & SKIP DASH (10' LINE-30'SPACE)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE-30' SPACE)
- (E) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE LANE LINE
- (F) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE SKIP DASH (2' LINE-6' SPACE)
- (G) THERMOPLASTIC PAVEMENT MARKING - 6" LINE WHITE CROSSWALK (6' C-C)
- (H) THERMOPLASTIC PAVEMENT MARKING - 12" LINE WHITE CROSSWALK (3' C-C)
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- (M) THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
- (N) THERMOPLASTIC PAVEMENT MARKING - 8" LINE WHITE SKIP DASH (3' LINE-9' SKIP)
- DETECTOR LOOP REPLACEMENT

NOTES

1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.
3. SEE SHEET 22 FOR DETAILS OF PUSH BUTTON ACTIVATED RECTANGULAR RAPID FLASHING BEACONS (RRFB).

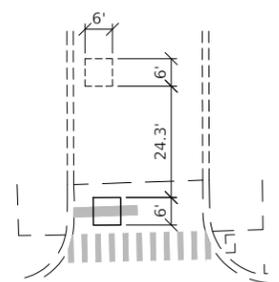
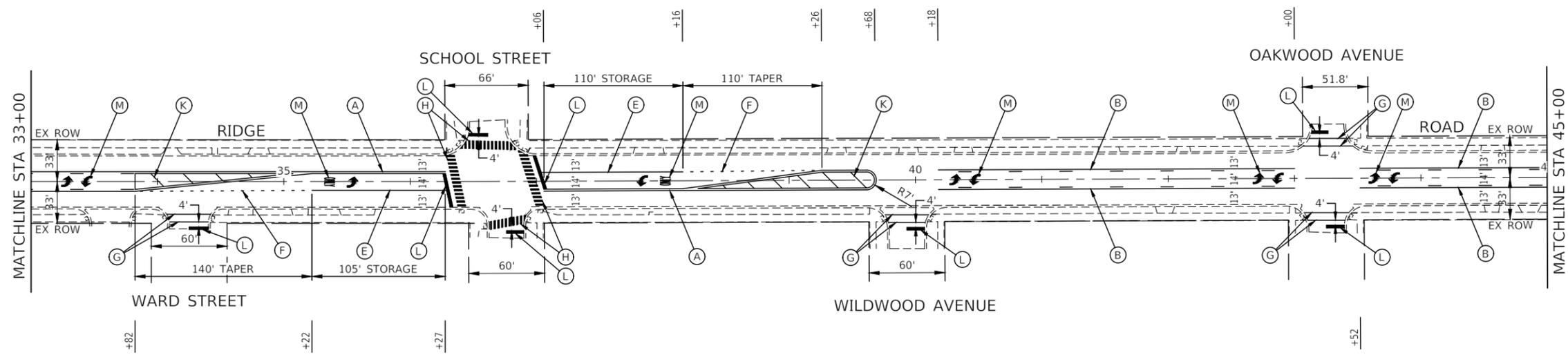
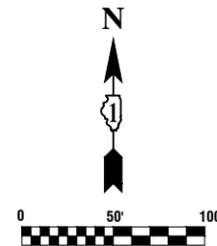
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	CHECKED -- WD		REVISED --
	PLOT SCALE =	DRAWN -- BG	REVISED --
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

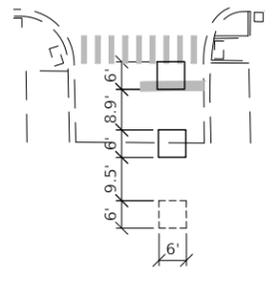
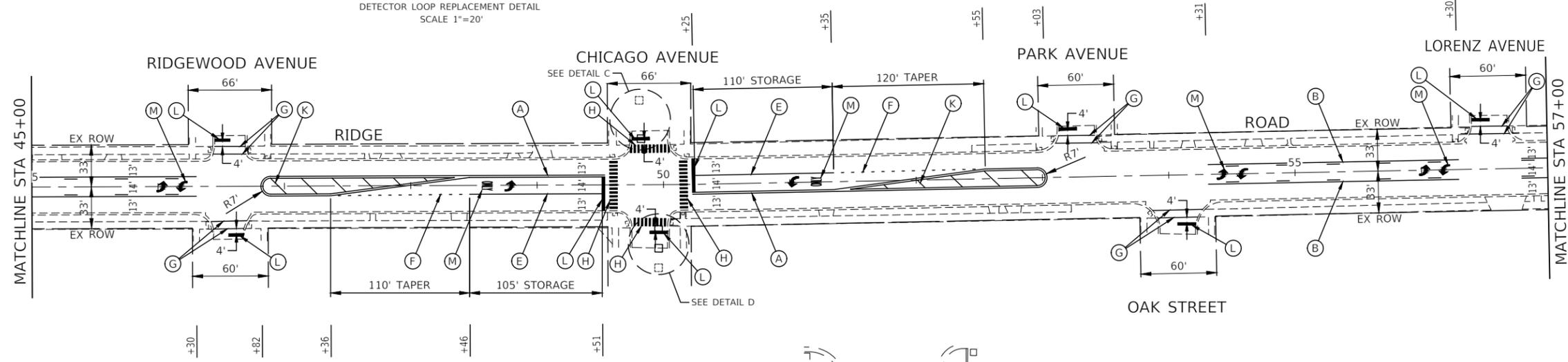
**RIDGE ROAD
ROADWAY RESURFACING
PAVEMENT MARKING AND SIGNING**

SCALE: 1"=50' SHEET NO. 16 OF 32 SHEETS STA. 10+23.61 TO STA. 33+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	16
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				



DETAIL C
DETECTOR LOOP REPLACEMENT DETAIL
SCALE 1"=20'



DETAIL D
DETECTOR LOOP REPLACEMENT DETAIL
SCALE 1"=20'

PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID & SKIP DASH (10' LINE-30' SPACE)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
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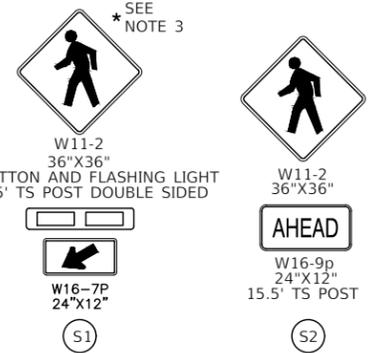
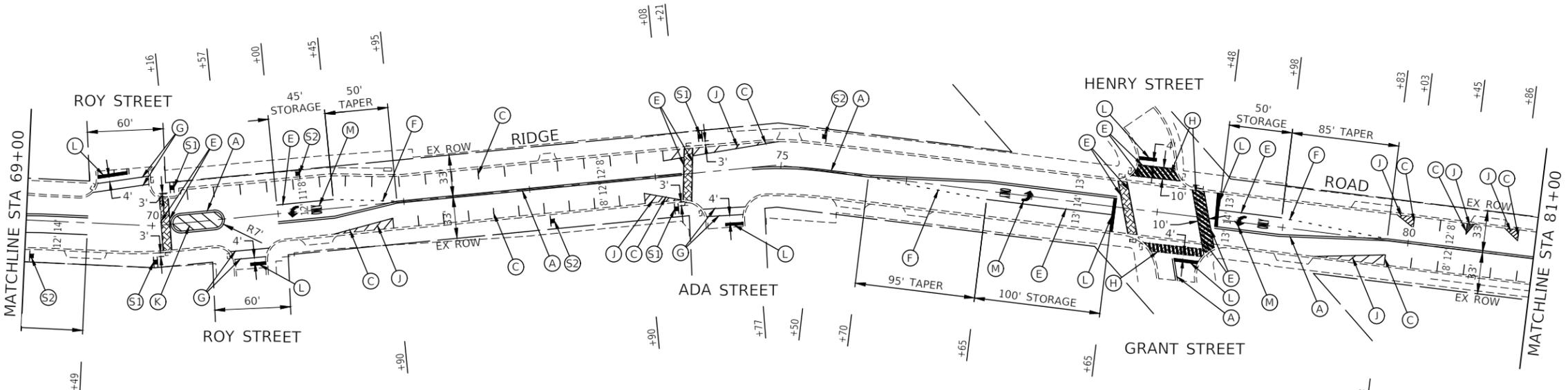
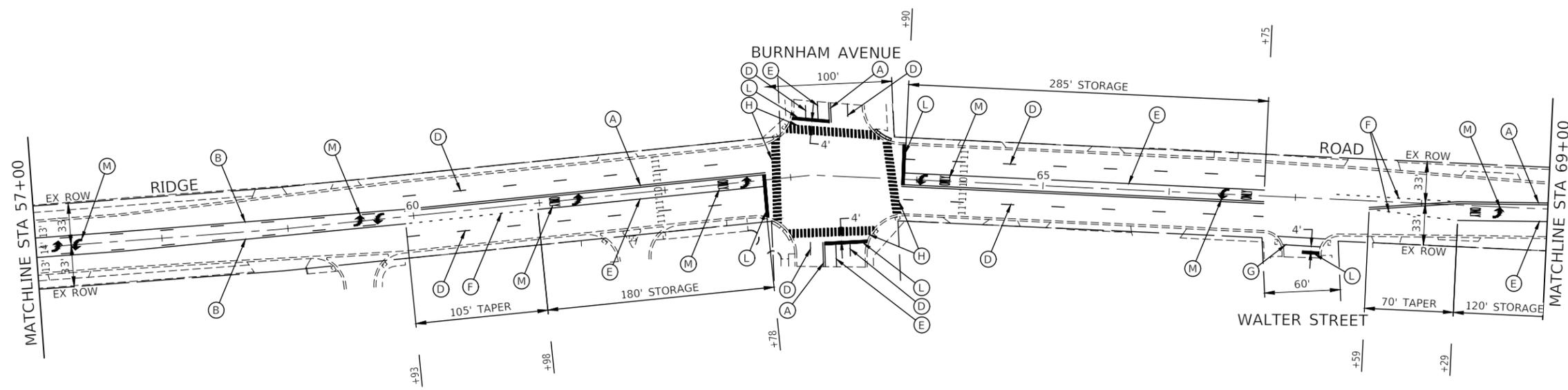
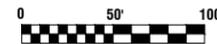
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USER NAME =	DESIGNED -- MW	REVISED --
	CHECKED -- WD	REVISED --
PLOT SCALE =	DRAWN -- BG	REVISED --
PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIDGE ROAD ROADWAY RESURFACING PAVEMENT MARKING AND SIGNING			
SCALE: 1"=50'	SHEET NO. 17 OF 32 SHEETS	STA. 33+00 TO STA. 57+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00178-00-RS	COOK	32	17
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CC28(611)	



- PAVEMENT MARKING LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (11" C-C)
 - (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID & SKIP DASH (10' LINE-30'SPACE)
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 - [] DETECTOR LOOP REPLACEMENT

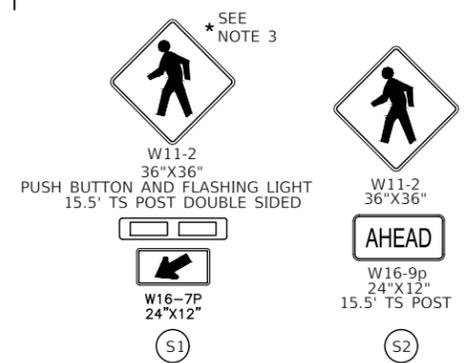
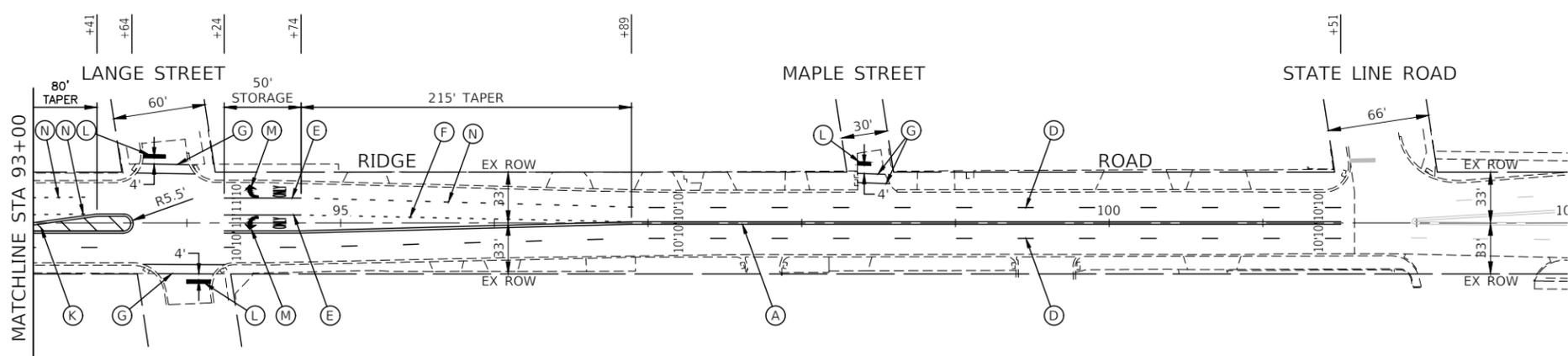
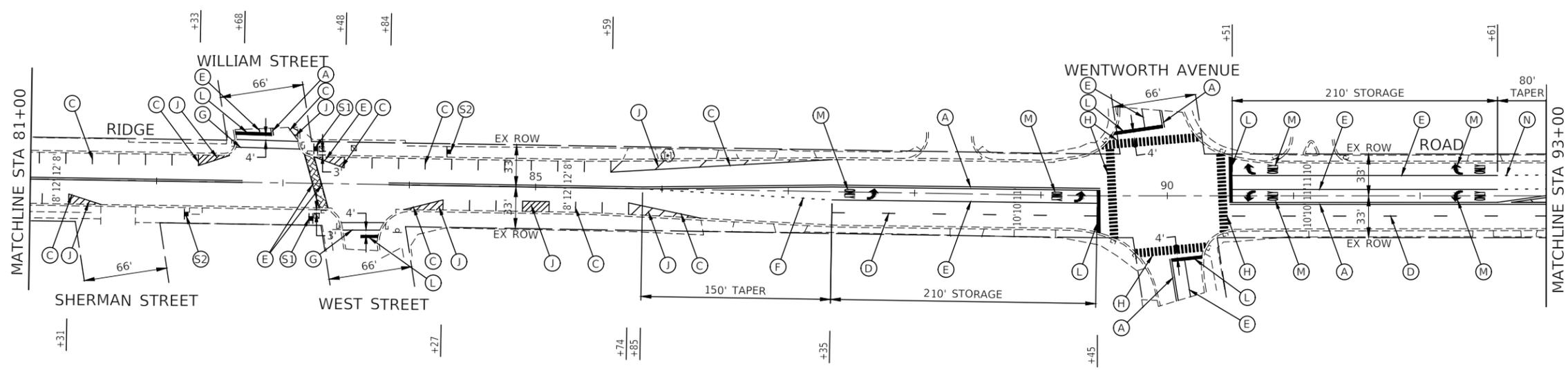
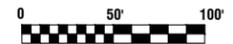
- NOTES**
1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
 2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.
 3. SEE SHEET 22 FOR DETAILS OF PUSH BUTTON ACTIVATED RECTANGULAR RAPID FLASHING BEACONS (RRFB).

FILE NAME = 21R0850-PVMK-01 - REL_22X34 (3)	USER NAME =	DESIGNED -- MW	REVISED --
		CHECKED -- WD	REVISED --
	PLOT SCALE =	DRAWN -- BG	REVISED --
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIDGE ROAD ROADWAY RESURFACING PAVEMENT MARKING AND SIGNING			
SCALE: 1"=50'	SHEET NO. 18 OF 32 SHEETS	STA. 57+00 TO STA. 81+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00178-00-RS	COOK	32	18
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CC28(611)	



PAVEMENT MARKING LEGEND

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FILE NAME = 21R0850-PVMK-01 - REL_22X34 (4)	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIDGE ROAD ROADWAY RESURFACING PAVEMENT MARKING AND SIGNING	F.A.U. RTE. 1621	SECTION 22-00178-00-RS	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 19	
	PLOT SCALE =	DRAWN -- BG	REVISED --		SCALE: 1"=50'	SHEET NO. 19 OF 32 SHEETS	STA. 81+00	TO STA. 101+59.66	CONTRACT NO. 61H88		
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)						

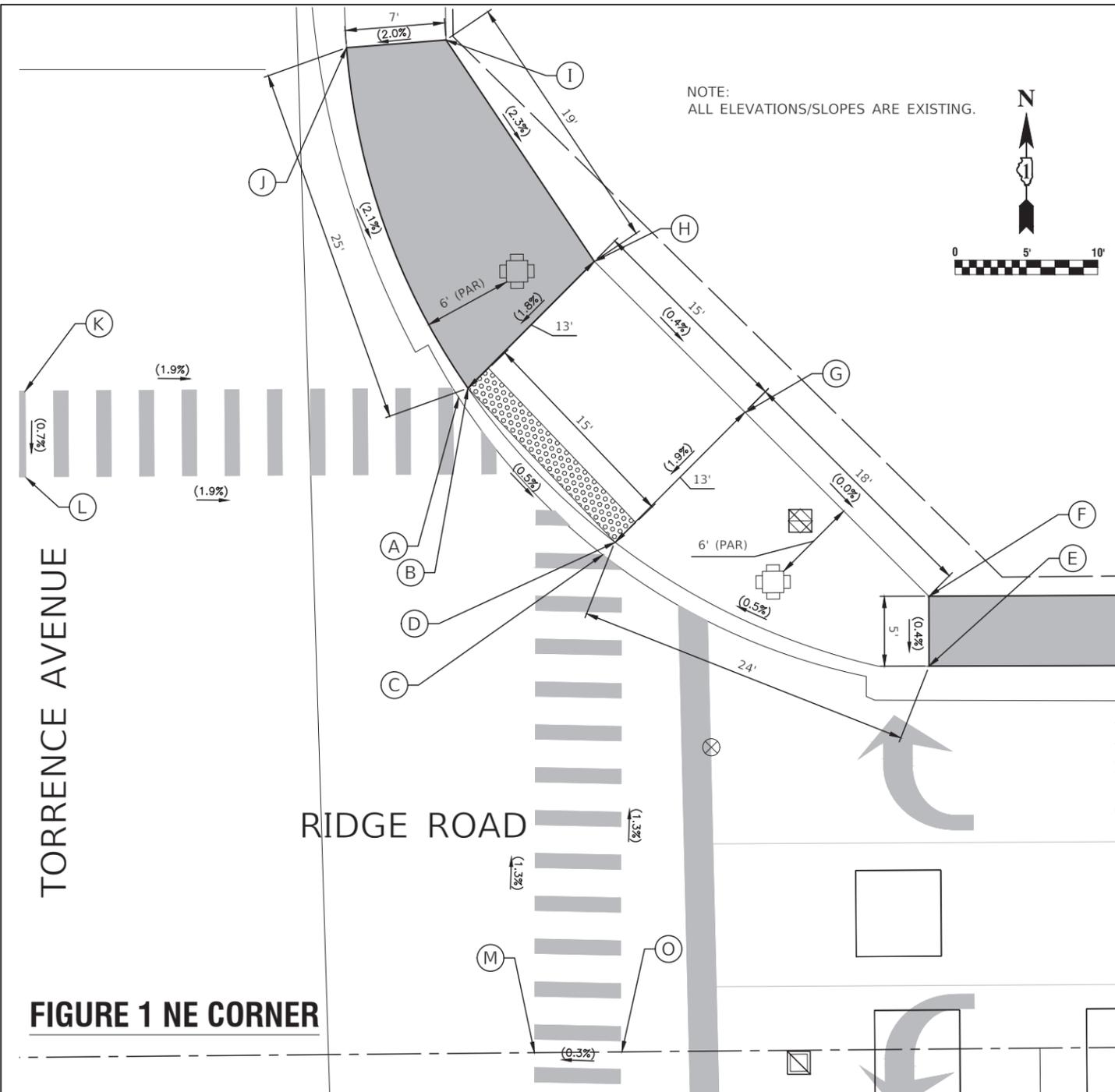


FIGURE 1 NE CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	10+33.17	45.91' LT	623.38	EP
B	10+33.82	46.56' LT	623.33	TC
C	10+43.18	34.82' LT	623.31	EP
D	10+44.05	35.68' LT	623.26	TC
E	10+65.99	26.81' LT	623.38	TC
F	10+66.02	31.71' LT	623.51	CW
G	10+53.24	44.71' LT	623.51	CW
H	10+42.77	55.35' LT	623.57	CW
I	10+32.50	70.95' LT	624.00	CW
J	10+25.52	70.47' LT	623.86	TC

	STATION	OFFSET	ELEVATION	DESCRIPTION
K	10+02.76	46.63' LT	623.97	PVMT
L	10+02.75	40.63' LT	623.93	PVMT
M	10+38.07	0' LT	623.68	PVMT
O	10+44.20	0' LT	623.70	PVMT

LEGEND

- EXISTING SIDEWALK
- EXISTING LENGTH
- EXISTING SIDE CURB
- EXISTING ELEVATION/SLOPE
- EXISTING DETECTABLE WARNINGS (SPECIAL), CAST IRON
- PROPOSED SIDEWALK & DETECTABLE WARNINGS (SPECIAL), CAST IRON

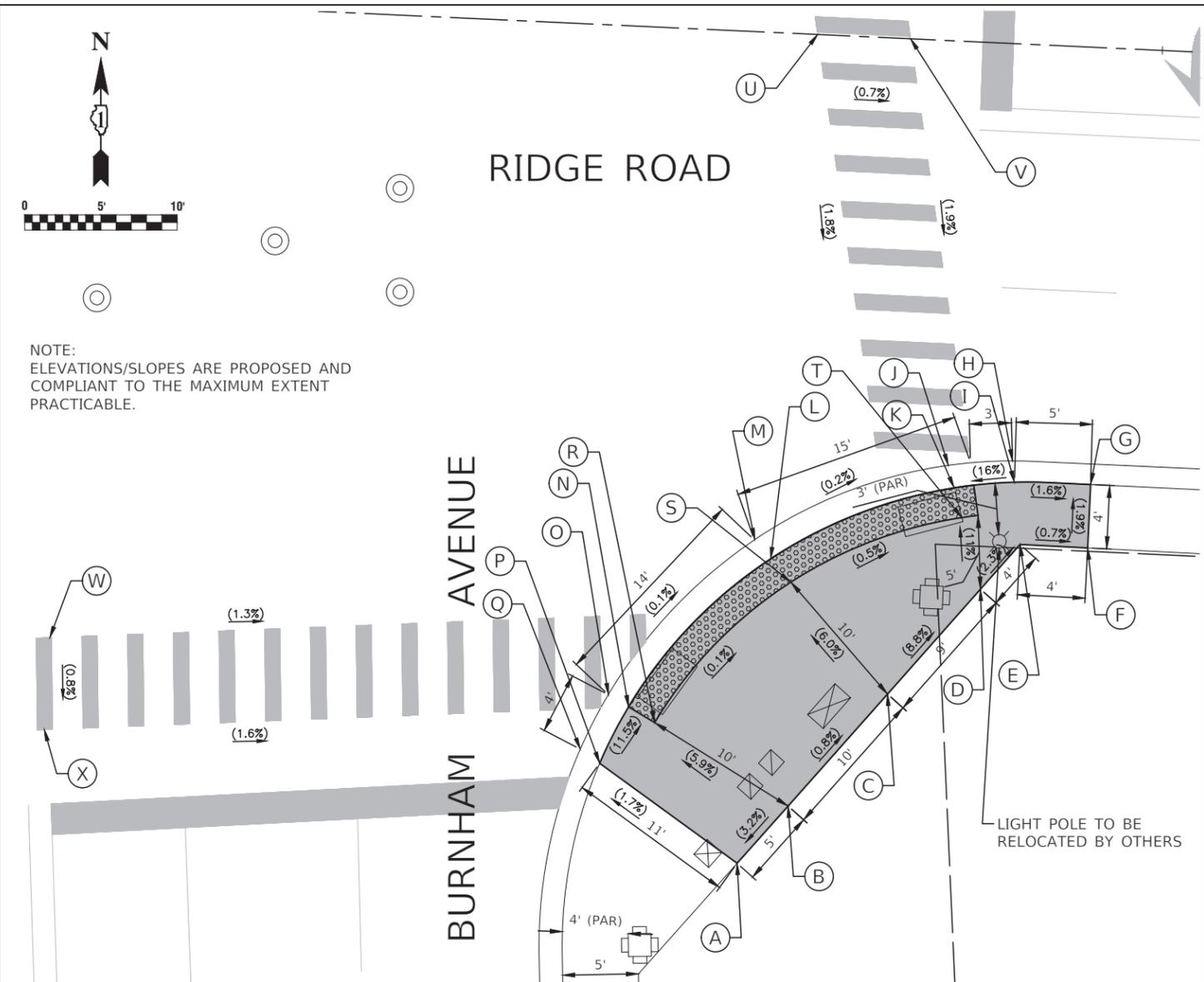


FIGURE 2 SE CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	63+74.57	54.48' RT	630.14	CW
B	63+77.75	50.58' RT	630.16	CW
C	63+83.92	42.95' RT	630.08	CW
D	63+89.70	35.80' RT	630.00	CW
E	63+92.16	32.76' RT	629.91	CW
F	63+96.60	32.78' RT	629.88	CW
G	63+96.61	28.62' RT	629.80	TC

	STATION	OFFSET	ELEVATION	DESCRIPTION
H	63+91.42	27.32' RT	629.34	EP
I	63+91.61	28.71' RT	629.88	TC
J	63+88.66	27.53' RT	629.45	EP
K	63+88.95	29.02' RT	692.40	TC
L	63+75.86	34.45' RT	629.47	TC
M	63+74.75	33.25' RT	629.48	EP
N	63+66.98	44.57' RT	629.48	TC
O	63+65.63	43.85' RT	629.49	EP
P	63+65.26	48.35' RT	629.95	TC
Q	63+63.94	47.49' RT	629.49	EP
R	63+68.74	45.52' RT	629.51	DW
S	63+77.24	35.92' RT	629.50	DW
T	63+89.32	30.99' RT	629.43	DW
U	63+77.35	0.00' RT	629.99	PVMT
V	63+83.45	0.00' RT	629.95	PVMT
W	63+28.82	41.80' RT	630.13	PVMT
X	63+28.74	47.83' RT	630.08	PVMT

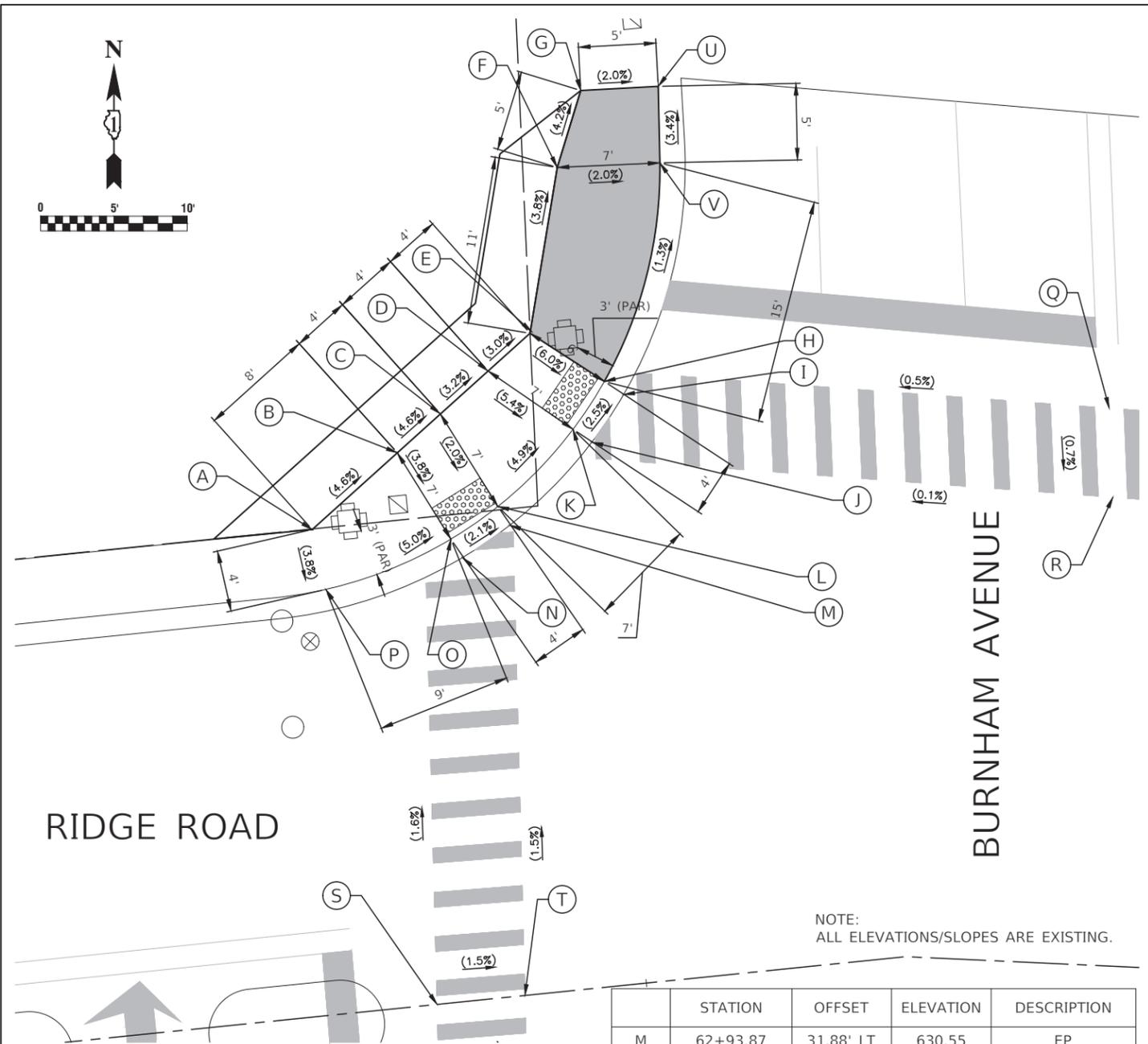


FIGURE 3 NW CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	62+80.47	32.96' LT	631.24	CW
B	62+86.76	37.57' LT	630.88	CW
C	62+89.94	39.90' LT	630.70	CW
D	62+93.47	42.47' LT	630.56	CW
E	62+96.71	44.82' LT	630.44	CW
F	62+99.56	55.75' LT	630.02	CW
G	63+01.68	60.79' LT	629.81	CW
H	63+01.28	40.96' LT	630.08	TC
I	63+02.50	39.93' LT	630.09	EP
J	63+00.02	36.94' LT	630.19	EP
K	62+98.83	37.94' LT	630.18	TC
L	62+93.21	33.24' LT	630.54	TC

NOTE:
ALL ELEVATIONS/SLOPES ARE EXISTING.

	STATION	OFFSET	ELEVATION	DESCRIPTION
M	62+93.87	31.88' LT	630.55	EP
N	62+90.45	30.03' LT	630.63	EP
O	62+89.80	31.36' LT	630.62	TC
P	62+80.97	28.82' LT	631.08	TC
Q	63+29.89	37.86' LT	630.26	PVMT
R	63+30.42	31.84' LT	630.22	PVMT
S	62+85.67	0.00' LT	631.13	PVMT
T	62+91.68	0.00' LT	631.04	PVMT
U	63+06.96	60.53' LT	629.71	TC
V	63+06.55	55.35' LT	629.88	TC

LEGEND

- EXISTING SIDEWALK
- ▒ EXISTING DETECTABLE WARNINGS (SPECIAL), CAST IRON
- ▬ EXISTING SIDE CURB
- () EXISTING ELEVATION/SLOPE
- ▬ EXISTING LENGTH
- ▒ PROPOSED SIDEWALK & DETECTABLE WARNINGS (SPECIAL), CAST IRON

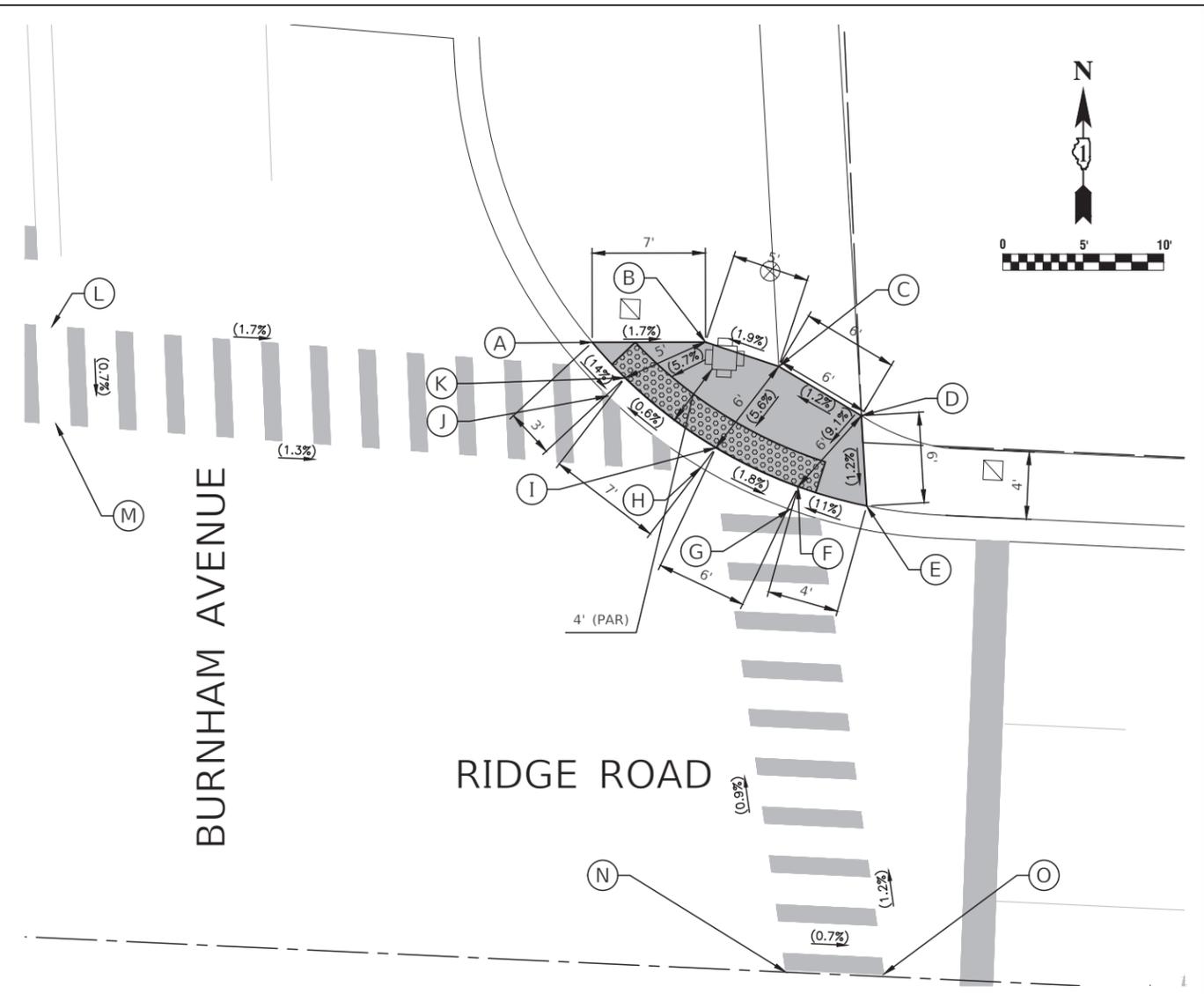
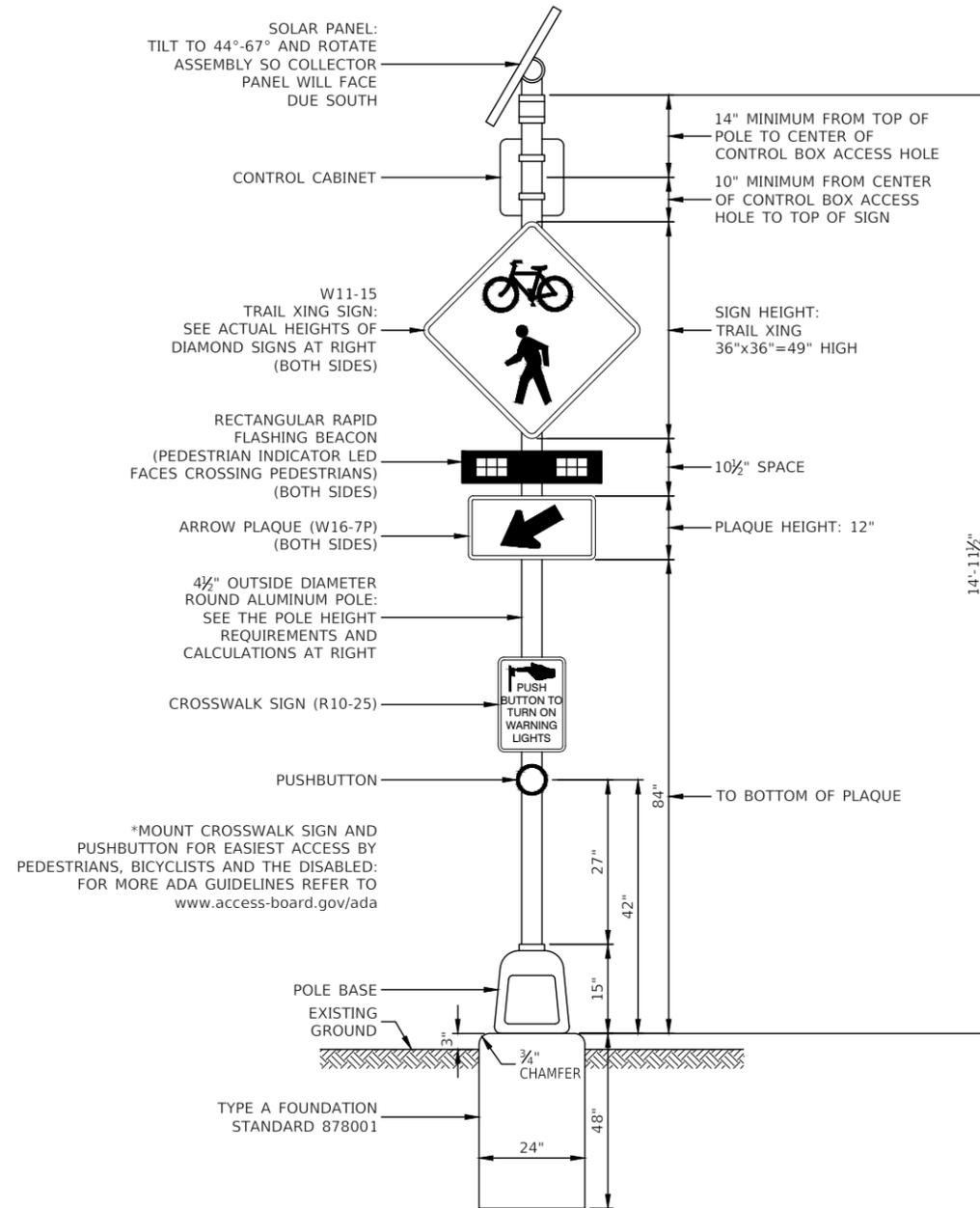


FIGURE 4 NE CORNER

	STATION	OFFSET	ELEVATION	DESCRIPTION
A	63+63.52	38.43' LT	630.09	TC
B	63+70.55	38.77' LT	629.97	CW
C	63+75.17	37.47' LT	630.06	CW
D	63+80.44	34.66' LT	630.13	CW
E	63+81.03	29.09' LT	630.08	TC
F	63+76.71	30.09' LT	629.59	TC
G	63+76.28	28.65' LT	629.60	EP
H	63+70.62	31.00' LT	629.71	EP
I	63+71.51	32.26' LT	629.70	TC
J	63+64.65	35.15' LT	629.67	EP
K	63+65.66	36.33' LT	629.66	TC
L	63+29.89	37.86' LT	630.26	PVMT
M	63+30.42	31.84' LT	630.22	PVMT
N	63+77.35	0.00' LT	629.99	PVMT
O	63+83.45	0.00' LT	629.95	PVMT



TYPICAL RECTANGULAR RAPID FLASHING BEACON CONFIGURATION

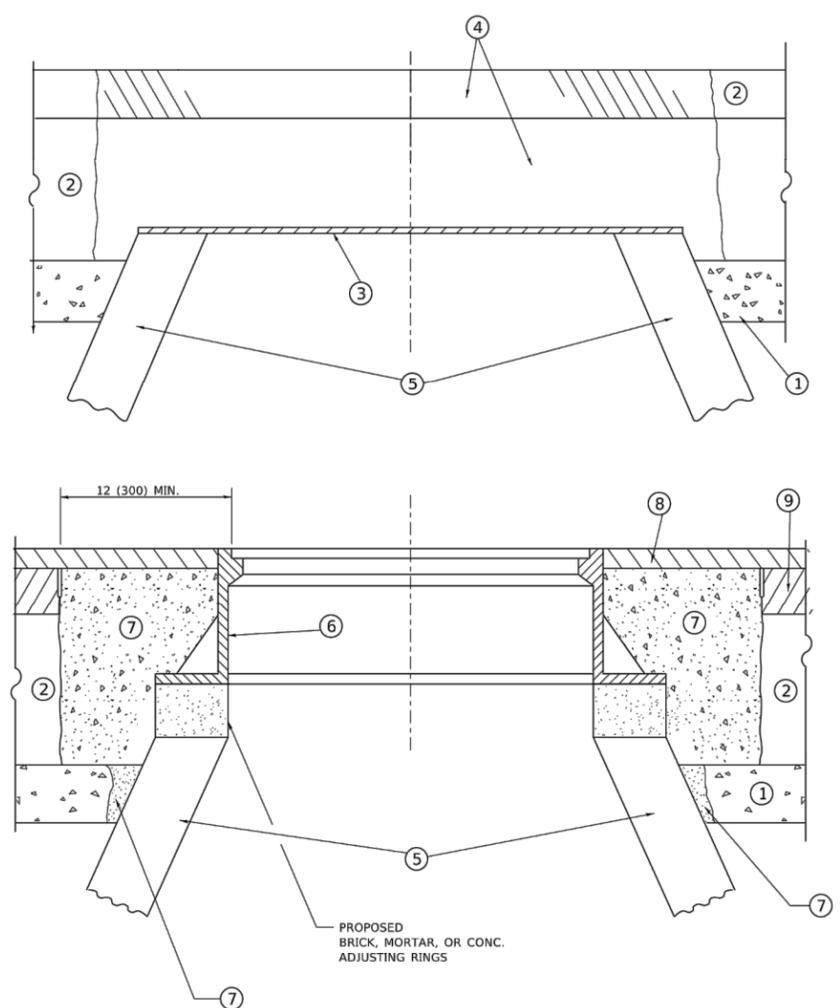
NOTES

1. THE SCHEDULE OF QUANTITIES LISTS ITEMS INCLUDED FOR ONE COMPLETE ASSEMBLY.
2. SEE THE SPECIAL PROVISIONS FOR SOLAR POWERED FLASHING BEACON ASSEMBLY (COMPLETE) FOR FURTHER DETAILS.
3. TRAIL CROSSING, ARROW PLAQUES, AND RRFB SHALL BE INSTALLED FACING BOTH DIRECTIONS OF VEHICLE TRAFFIC ON EACH SIDE OF THE TRAIL CROSSING.

SCHEDULE OF QUANTITIES PER ASSEMBLY

ITEM	UNIT	QUAN
SOLAR PANEL	EACH	1
CONTROL CABINET AND ELECTRICAL COMPONENTS	EACH	1
RRFB-XL	EACH	2
PEDESTRIAN PUSHBUTTON	EACH	1
4 1/2" DIAMETER ALUMINUM POLE	EACH	1
P.C.C. FOUNDATION	EACH	1
TRAIL CROSSING SIGN	EACH	2
ARROW PLAQUE	EACH	2
CROSSWALK SIGN	EACH	1

FILE NAME = 21R0850-DTLS-02 - IDOT P01	USER NAME =	DESIGNED -- MW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY RESURFACING RIDGE ROAD CONSTRUCTION DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WD	REVISED --					1621	22-00176-00-RS	COOK	32	22
	PLOT SCALE =	DRAWN -- KW/RG	REVISED --		CONTRACT NO. 61H88							
	PLOT DATE = 05-26-2023	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 22 OF 32 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT CC28(611)		



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

CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- * UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- 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

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

NOTES

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		ILLINOIS FED. AID PROJECT							

FILE NAME = 21R0850-DTLS-01 - BD08	USER NAME =	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CHECKED --	REVISED --	SCALE:					SHEET NO. 23	OF 32	SHEETS	STA.	TO STA.	1621	22-00176-00-RS
	PLOT SCALE =	DRAWN --	REVISED --		ILLINOIS FED. AID PROJECT CC28(611)									
	PLOT DATE =	CHECKED --	REVISED --											

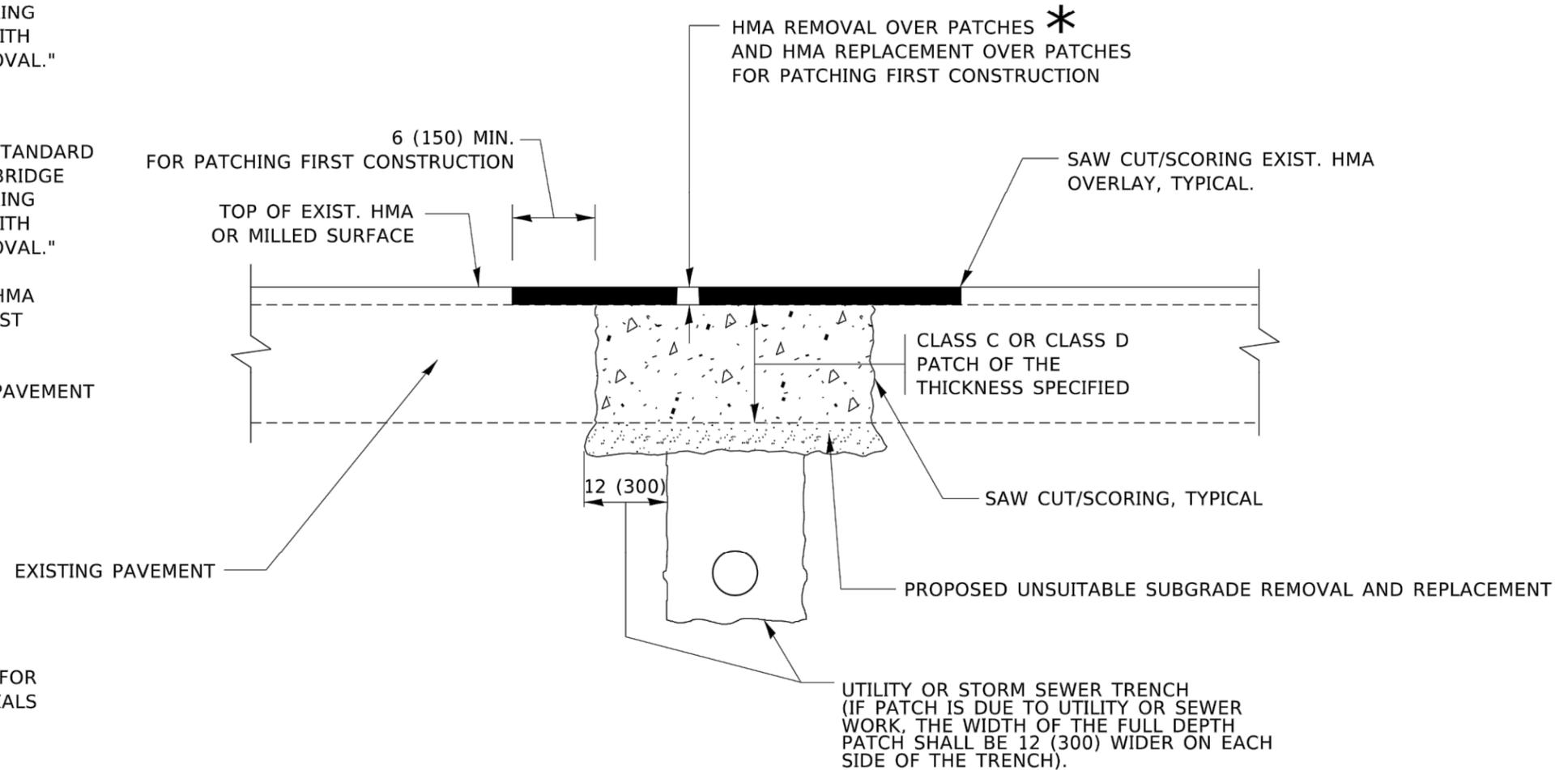
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METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



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.

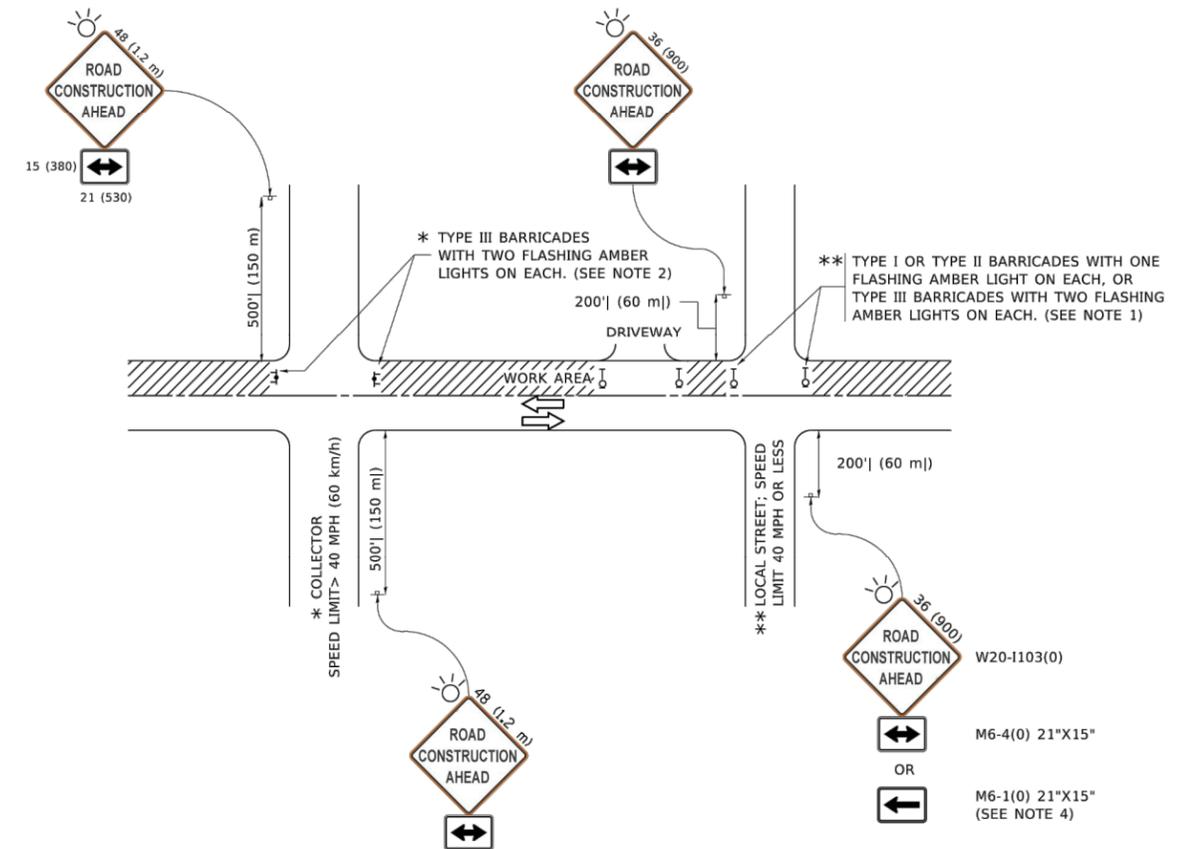
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME: p:\1106-pw_bentley.com\1106\Documents\DOT_Offices\District 1\Projects\5155622\31\CAD\Drawings\CAD\Drawings\bd22.dgn

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22) CONTRACT NO.			
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08			ILLINOIS FED. AID PROJECT						
		REVISED - K. SMITH 11-18-22									

FILE NAME = 21R0850-DTL5-01 - BD22	USER NAME =	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		CHECKED --	REVISED --			SCALE:	SHEET NO. 24 OF 32 SHEETS	STA. TO STA.	1621 22-00176-00-RS COOK 32 24 CONTRACT NO. 61H88			
		DRAWN --	REVISED --			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)						
		CHECKED --	REVISED --									

FILE NAME: P:\11084\EBID\NTEG\Illinois\gov\FMID\DOT\Documents\DOT_Offices\District_1\Projects\Dist55\22-00176-00-RS\22-00176-00-RS\TrafficControl\TC-10.dgn



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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.

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**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

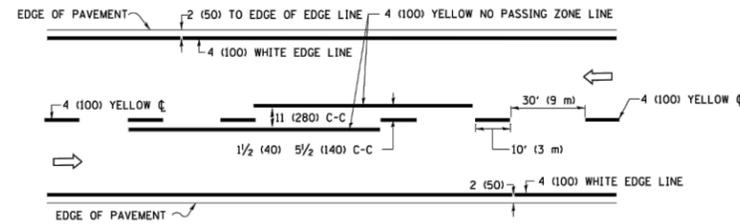
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USER NAME =	DESIGNED --	REVISED --
	CHECKED --	REVISED --
PLOT SCALE =	DRAWN --	REVISED --
PLOT DATE =	CHECKED --	REVISED --

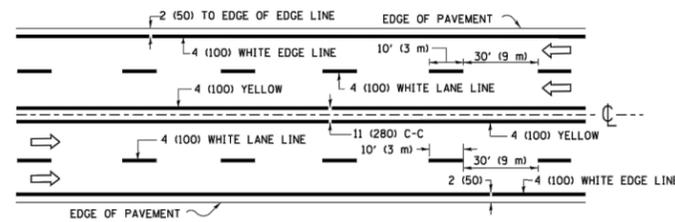
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 1 DETAILS

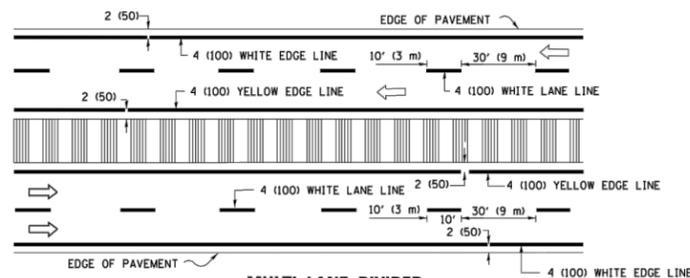
SCALE:	SHEET NO. 27 OF 32 SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				1621	22-00176-00-RS	COOK	32	27
				CONTRACT NO. 61H88				
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				



2-LANE ROADWAY

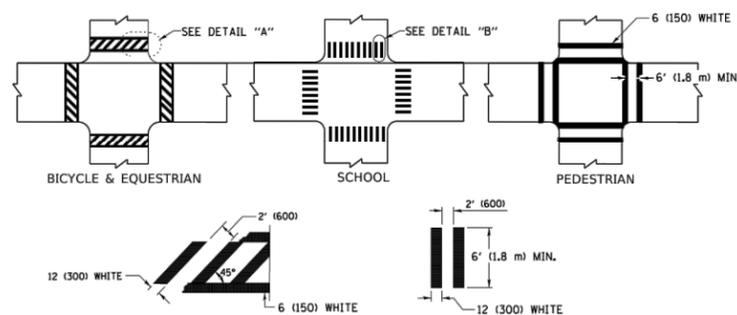


MULTI-LANE UNDIVIDED



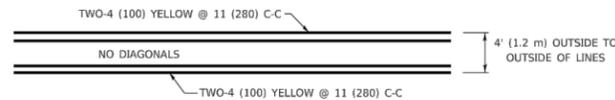
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

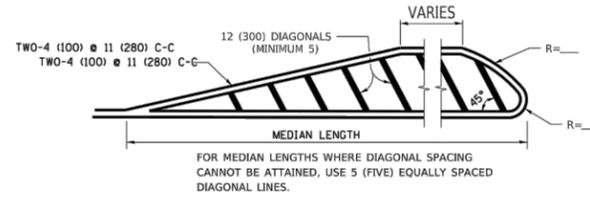


TYPICAL CROSSWALK MARKING

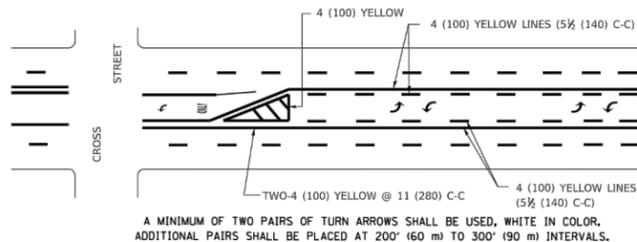
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

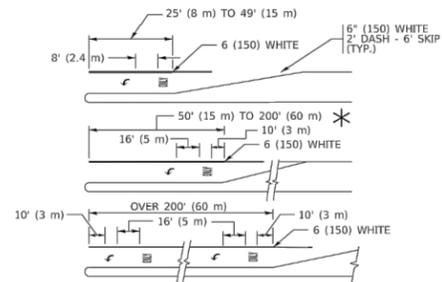


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

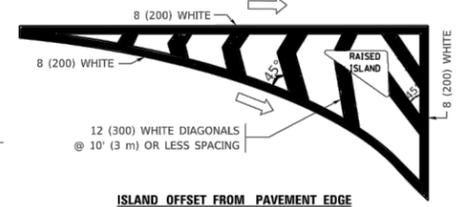
TYPICAL PAINTED MEDIAN MARKING



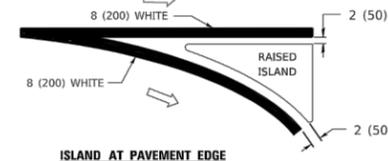
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

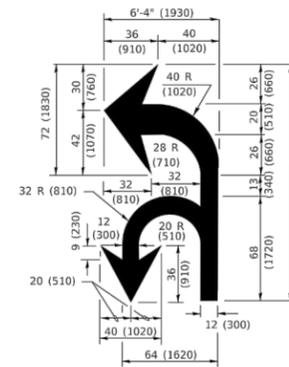


ISLAND OFFSET FROM PAVEMENT EDGE

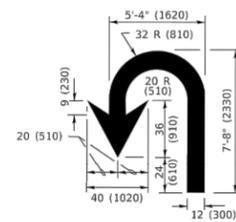


ISLAND AT PAVEMENT EDGE

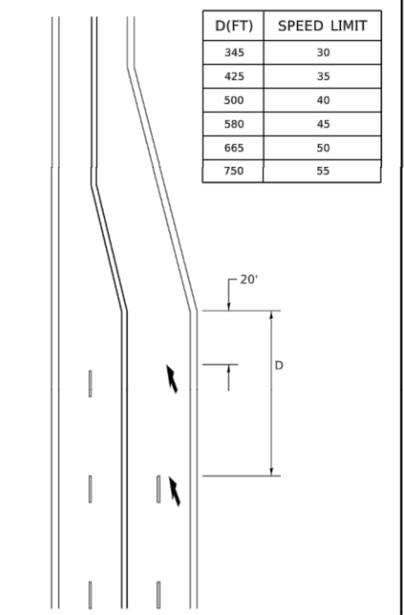
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

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

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

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

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-13			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

FILE NAME = 21R0850-DTLS-01 - TC13

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 1 DETAILS

SCALE: SHEET NO. 28 OF 32 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	28
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT CC28(611)	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

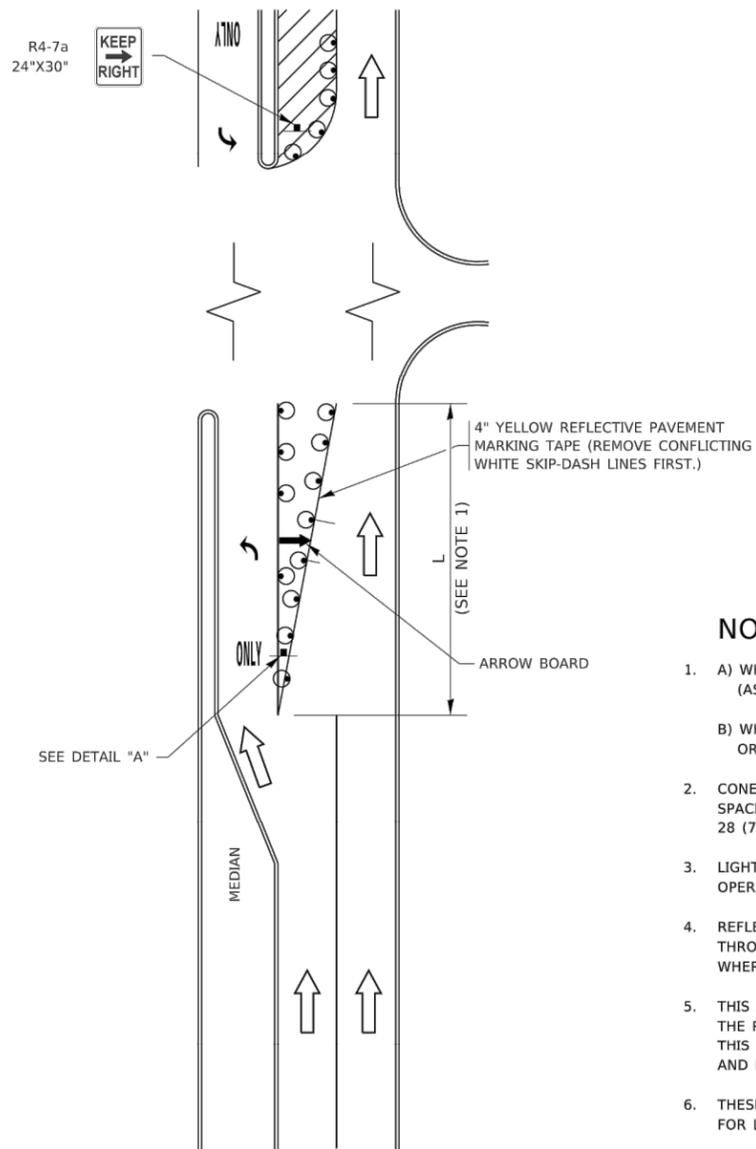
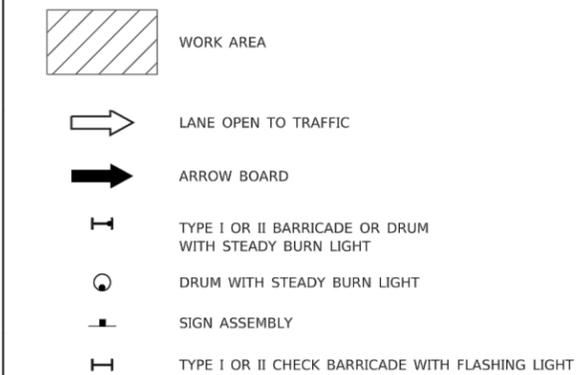


FIGURE 1

LEGEND



NOTES:

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

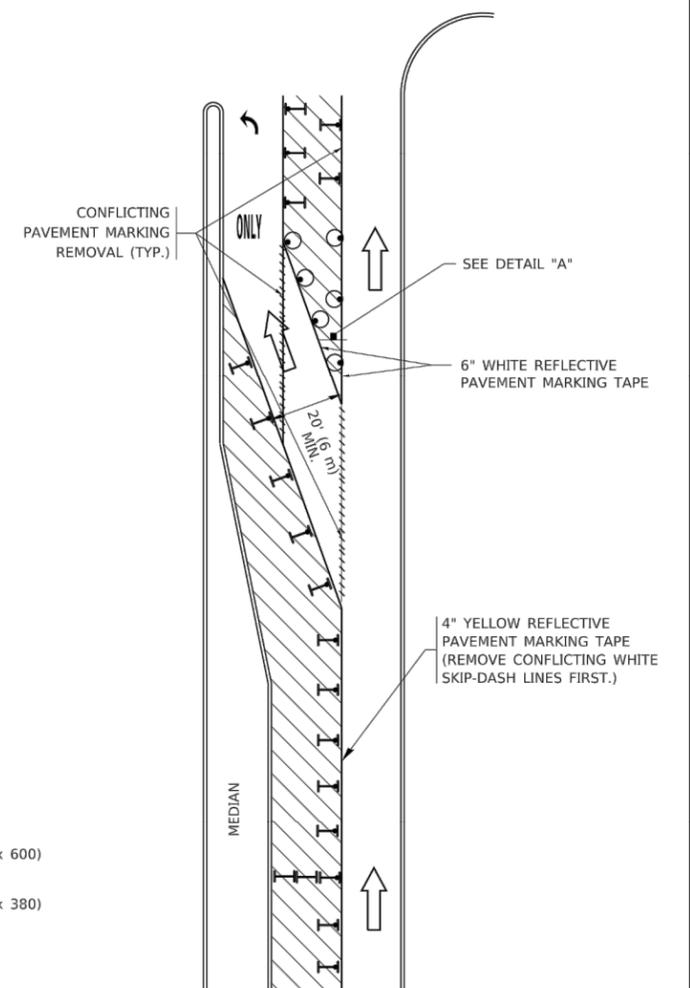
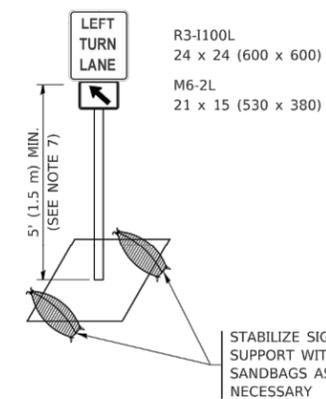


FIGURE 2



DETAIL A

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

FILE NAME: P:\11084EBID\NTEG\Illinois\gov\PMID\DOT\Documents\DOT\Office\District_1\Projects\05455022-24\CAD\Drawn\CAD\Sheet14.dgn

USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
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)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14			
ILLINOIS		FED. AID PROJECT		

FILE NAME = 21R0850-DTSL-01 - TC14

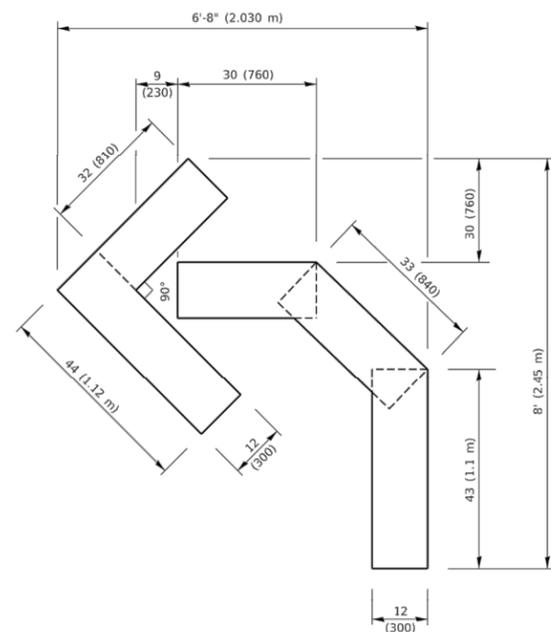
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

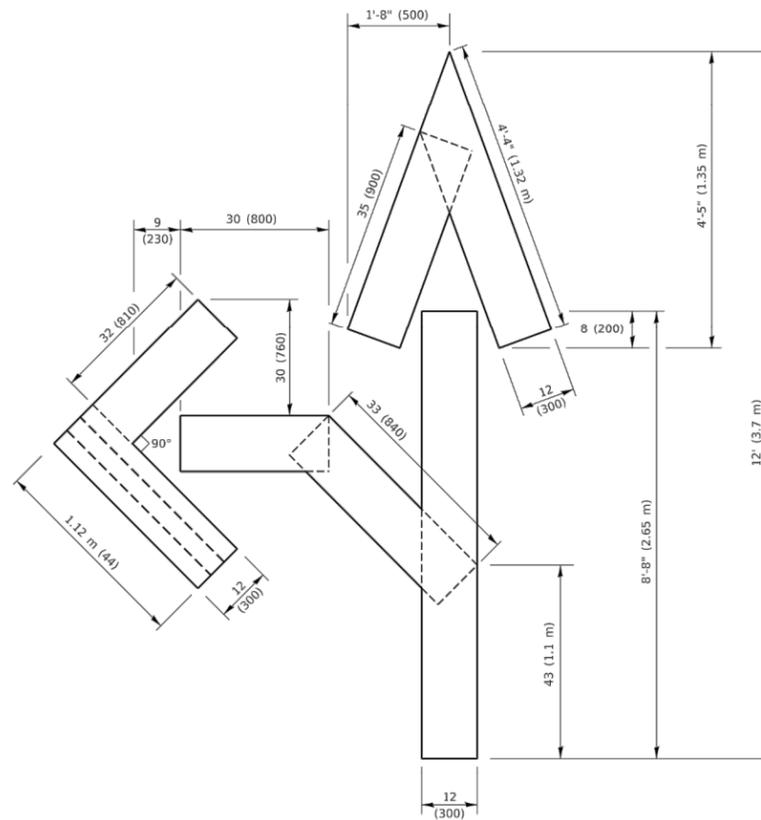
DISTRICT 1 DETAILS

SCALE: SHEET NO. 29 OF 32 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	29
ILLINOIS		FED. AID PROJECT		

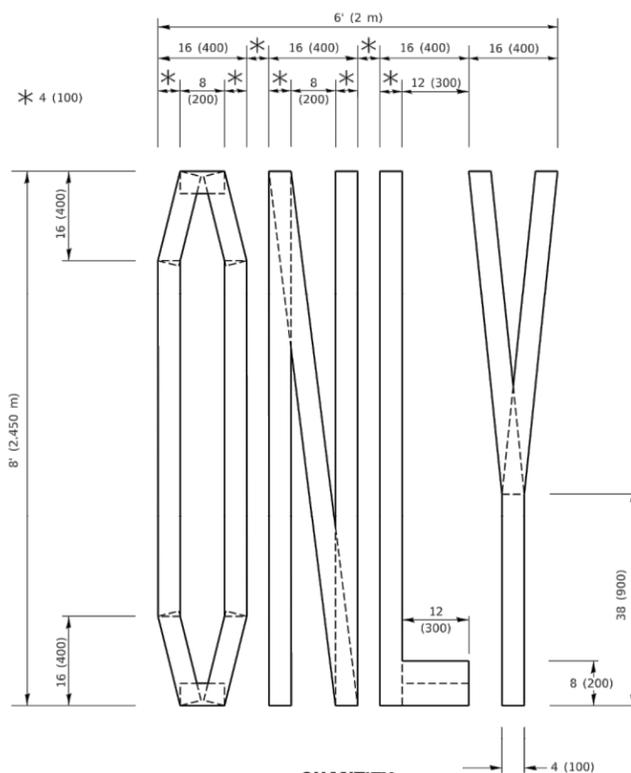


QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

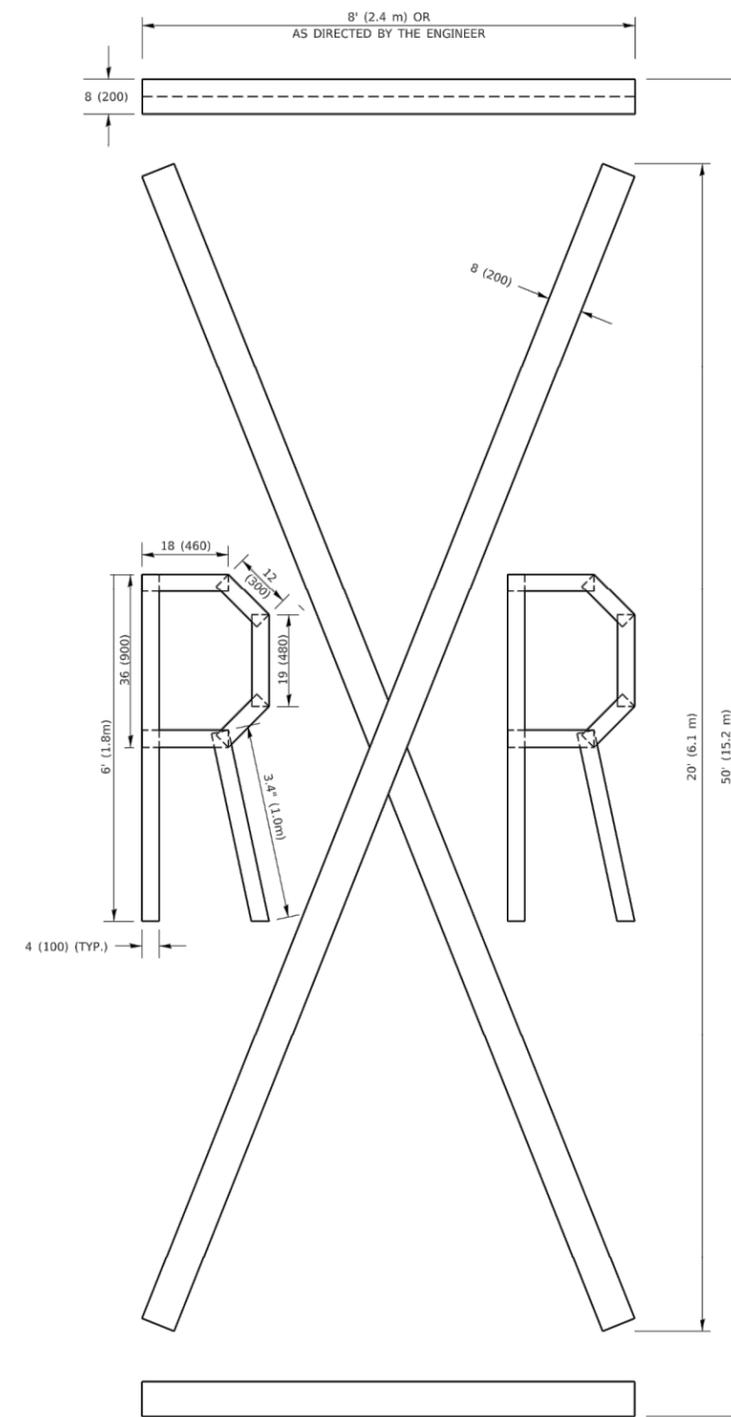


QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

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 = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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

FILE NAME: P:\110848\EBIND\TEG_IL\moe.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\05HS0224\CAD\Drawn\CADsheet16.dgn

USER NAME = footemj	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	30
CONTRACT NO. 61H88				
ILLINOIS FED. AID PROJECT				

FILE NAME = 21R0850-DTSL-01 - TC16

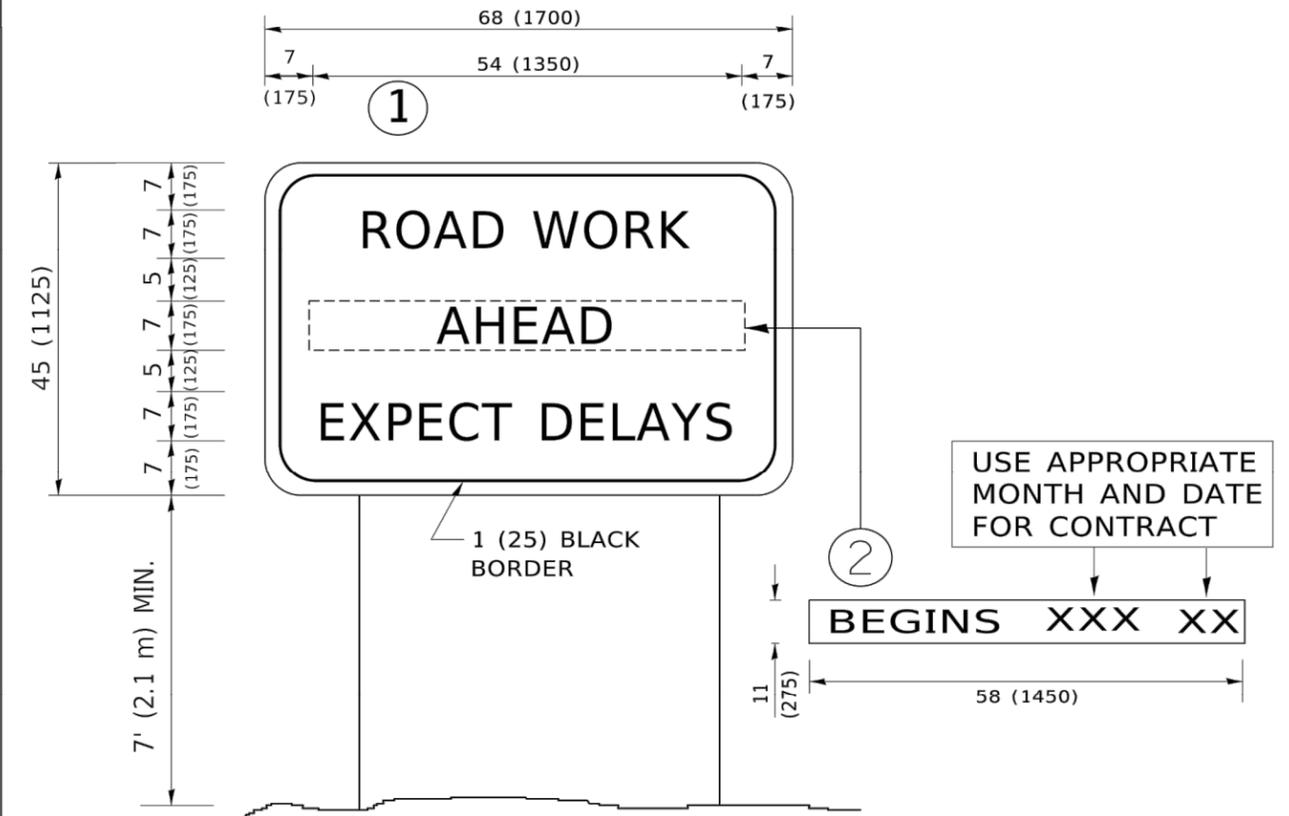
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT 1 DETAILS

SCALE: SHEET NO. 30 OF 32 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	30
CONTRACT NO. 61H88				
ILLINOIS FED. AID PROJECT CCZ8(611)				



NOTES:

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

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

FILE NAME: P:\11084\EBID\NTEG\Illinois.gov\FMID\DOT\Documents\DOT_Offices\District_1\Projects\Dis565622-34\CAD\Drawn\CAD\shhets\TC22.dgn

USER NAME = fo0temj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	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.
TC-22		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 21R0850-DTL5-01 - TC22

USER NAME =	DESIGNED --	REVISED --
	CHECKED --	REVISED --
PLOT SCALE =	DRAWN --	REVISED --
PLOT DATE =	CHECKED --	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

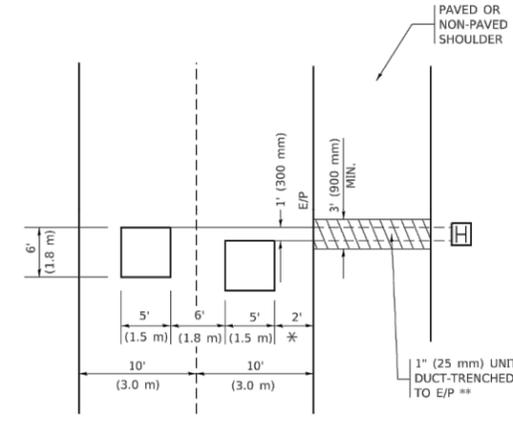
DISTRICT 1 DETAILS

SCALE: SHEET NO. 31 OF 32 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	31
		CONTRACT NO. 61H88		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CCZ8(611)				

LOOPS NEXT TO SHOULDERS

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

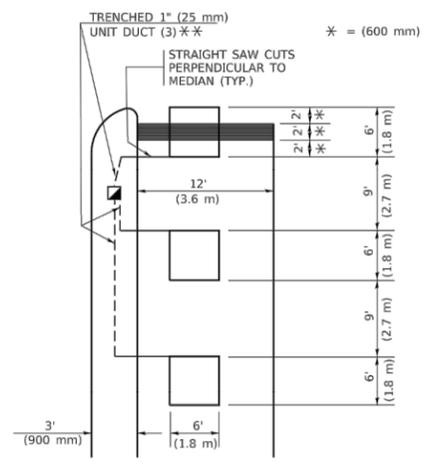


* = (600 mm)

** 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.

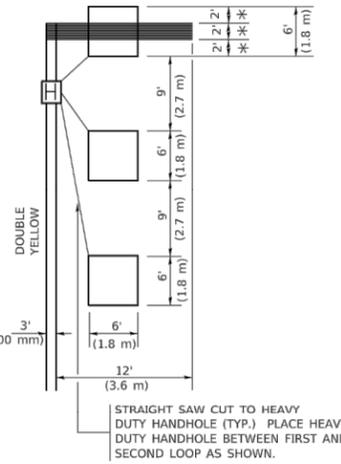


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

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

* = (600 mm)

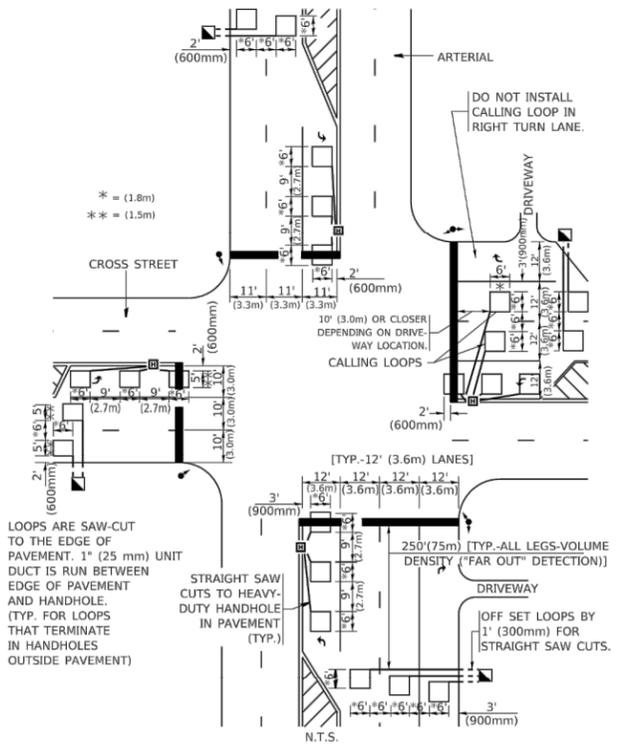


NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

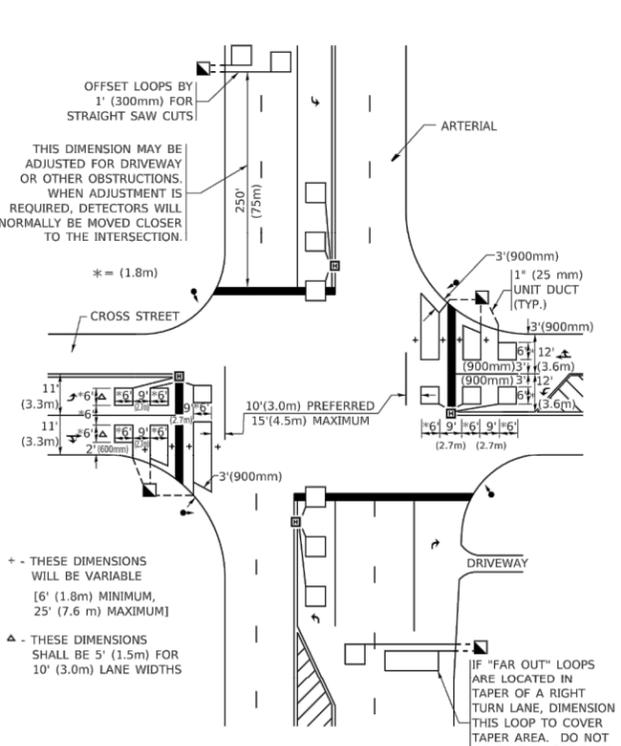
- VEHICLES LOOP DETECTORS
- ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF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

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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 DIMENSIONS 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.

FILE NAME: p:\u0048\EBID\NTEG\Illinois\gov\PMID\DOT\Documents\DOT\Office\District_1\Projects\Dist5\522-24\CAD\Drawn\CADsheets\507.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-07			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FILE NAME = 21R0850-DTLS-01 - TS07

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1621	22-00176-00-RS	COOK	32	32
CONTRACT NO. 61H88				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CC28(611)				