F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	1
	ILLINOIS	CONTRACT NO. 61H39		

03/11/2022 Letting Item 096

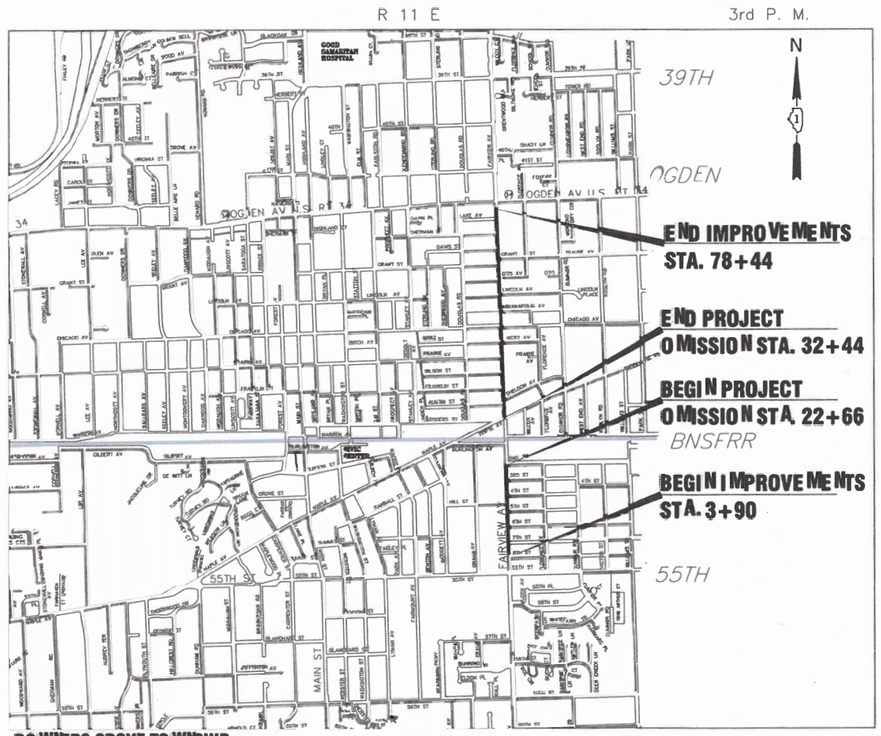
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLANS FOR FEDERAL AID HIGHWAY

FAU ROUTE 2637 (FAIRVIEW AVENUE)
FAU 1504 (55TH STREET) TO FAP 0311 (US 34 - OGDEN AVENUE)
RESURFACING

SECTION No.: 19-00114-00-RS
PROJECT No: 91TH(535)
VILLAGE OF DOWNERS GROVE
DuPAGE COUNTY
C-91-105-20

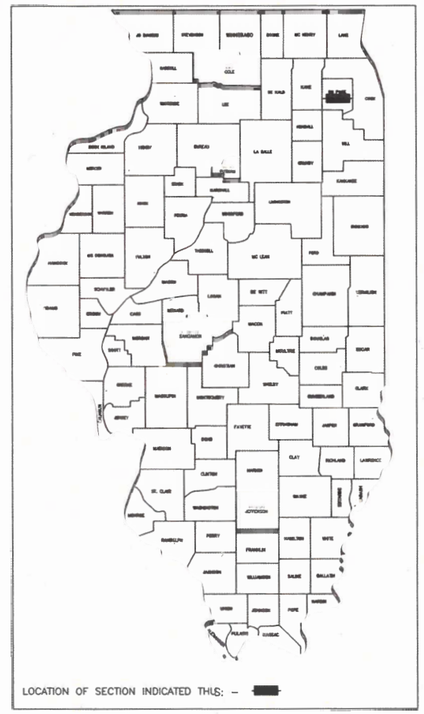
FOR INDEX OF SHEETS, SEE SHEET NO. 2



DOWNERS GROVE TOWNSHIP

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 7,454.29 FT = 1.411 MILE
NET LENGTH = 6,483.20 FT = 1.228 MILE



LOCATION OF SECTION INDICATED THUS: –

FAIRVIEW AVENUE DESIGN DESIGNATION
MINOR ARTERIAL
DESIGN SPEED: 30 MPH
SCHOOL ZONE SPEED: 20 MPH
ADT = 14,900

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Dec. 20th 20 21
VILLAGE OF DOWNERS GROVE, DIRECTOR OF PUBLIC WORKS

PASSED Jan. 11 20 22
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW January 11 20 22
REGIONAL ENGINEER

0 100' 10' 200' 20' 300' 30' – 1"=100' – 1"=10'
0 50' 100' – 1"=50'
0 50' 100' – 1"=40'
0 50' 100' – 1"=30'
0 50' 100' – 1"=20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE 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

CONTRACT NO. 61H39

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P. E. SCHAUMBURG, IL

JOHN M. WELCH 062-073285 REGISTERED PROFESSIONAL ENGINEER STATE OF ILLINOIS

John M. Welch, P.E.
Village of Downers Grove
Expires 1/30/23

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
606001-08	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
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
701502-09	URBAN LAND 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
886001-01	DETECTOR LOOP INSTALLATIONS

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BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED STREETS
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS & SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-05	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

GENERAL NOTES

1. ALL REFERENCES TO THE 'VILLAGE' IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE VILLAGE OF DOWNERS GROVE.
2. THOSE EXISTING TRAFFIC SIGNS WHICH ARE SO DESIGNATED BY THE ENGINEER SHALL BE REMOVED, STORED AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.25. ANY SIGNS WHICH ARE DAMAGED BY THE CONTRACTOR AS DETERMINED BY THE ENGINEER SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND IDOT STANDARDS FOR TRAFFIC CONTROL AND PROTECTION.
4. SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
6. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
7. THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE WATER DEPARTMENT.
8. THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASE ON WHICH THEY ARE PLACED. PLAN THICKNESS SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.
9. MAILBOXES WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED, TEMPORARILY RELOCATED, AND REPLACED UPON COMPLETION OF THE PROPOSED IMPROVEMENTS IN ACCORDANCE WITH ARTICLE 107.20 AND AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

COMMITMENTS

1. LOCAL PSI WILL BE COMPLETED IN PHASE 2 IF NECESSARY.
2. SPECIAL WASTES WILL BE RISK MANAGED ACCORDING TO SECTION 669 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" AND APPLICABLE PAY ITEMS SHALL BE INCLUDED IN PHASE 2 PLANS AND SPECIFICATIONS AS NECESSARY.
3. IMPACT TO DETECTOR LOOPS ON OGDEN AVENUE (US ROUTE 34) WILL BE COORDINATED TO BUREAU OF TRAFFIC THROUGH BLRS IN PHASE 2.

FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, LIST OF DETAILS AND GENERAL NOTES

NOT TO SCALE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	2
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE	
				STP FUNDS	
				70% FED / 30% LA	70% FED / 30% LA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAINEES
				0005	0042
				URBAN	URBAN
20101100	TREE TRUNK PROTECTION	EACH	10	10	
△ 20101200	TREE ROOT PRUNING	EACH	10	10	
20200100	EARTH EXCAVATION	CU YD	50	50	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	150	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	700	700	
25200100	SODDING	SQ YD	700	700	
25200200	SUPPLEMENTAL WATERING	UNIT	10	10	
28000510	INLET FILTERS	EACH	80	80	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	520	520	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,400	18,400	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	715	715	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,150	1,150	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,300	2,300	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	50	50	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	50	50	

* DENOTES SPECIAL PROVISION

△ SPECIALTY ITEMS

FILE NAME =
FILE NAME =

USER NAME - USER | DESIGNED - NRH | REVISED
DRAWN - NRH | REVISED
PLOT SCALE - | CHECKED - SAV | REVISED
PLOT DATE - 12/17/21 | DATE - 12/17/21 | REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

NOT TO SCALE | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	3
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE	
				STP FUNDS	
				70% FED / 30% LA	70% FED / 30% LA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAINEES
				0005	0042
				URBAN	URBAN
42400800	DETECTABLE WARNINGS	SQ FT	500	500	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	26,500	26,500	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	260	260	
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	300	300	
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	300	300	
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	300	300	
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	300	300	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	13	13	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	11	11	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	24	24	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	
△ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50	
△ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
△ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
△ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	

* DENOTES SPECIAL PROVISION

△ SPECIALTY ITEMS

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	PLOT DATE - 12/17/21	DATE - 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

NOT TO SCALE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	4
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE	
				STP FUNDS	
				70% FED / 30% LA	70% FED / 30% LA
				ROADWAY	TRAINEES
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0042
				URBAN	URBAN
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	
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	
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	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,500	4,500	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,850	1,850	
70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	350	350	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,310	1,310	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,140	13,140	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,150	3,150	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	400	400	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	820	820	

* DENOTES SPECIAL PROVISION
△ SPECIALTY ITEMS

TEMPORARY LETTERS AND SYMBOLS REMOVAL PAY ITEM NOTE

REMOVAL OF PAY ITEM 70306100 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE IS INCLUDED IN PAY ITEM 70300150. PAY ITEM X7030125 TEMPORARY PAVEMENT MARKING REMOVAL MAY STILL BE LISTED IN THE PAY ITEM LISTINGS FOR THE LETTING, BUT IT IS OBSOLETE.

FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
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	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

NOT TO SCALE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE	
					STP FUNDS	
					70% FED / 30% LA	70% FED / 30% LA
					ROADWAY	TRAINEES
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0042
					URBAN	URBAN
△ *	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,600	1,600	
*	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1	
*	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	50	50	
*	X2800510	INLET FILTER CLEANING	EACH	80	80	
*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	4,600	4,600	
*	X4400500	COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)	FOOT	1,500	1,500	
*	X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	4,600	4,600	
*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	24	24	
*	X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	150	150	
*	X6064200	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1,500	1,500	
*	Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	160	160	
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	180	180	
*	Z0076600	TRAINEES	HOUR	500		500
*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

* DENOTES SPECIAL PROVISION

△ SPECIALTY ITEMS

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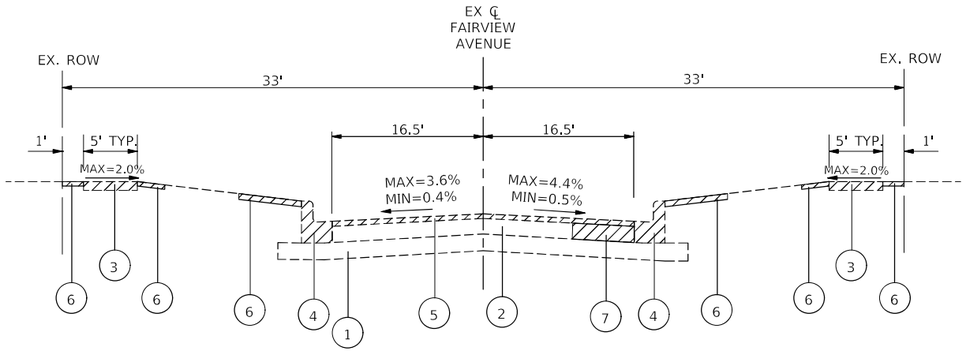
FILE NAME =		DRAWN - NRH	REVISED
	PLOT SCALE =	CHECKED - SAV	REVISED
	PLOT DATE = 12/17/21	DATE = 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

NOT TO SCALE | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

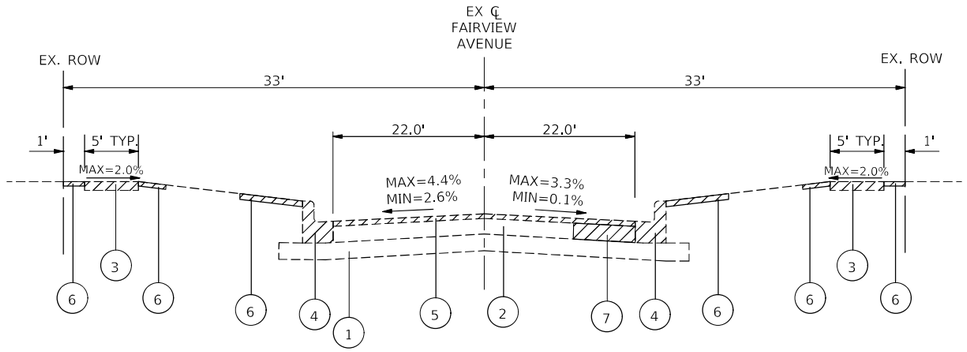
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	6
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION

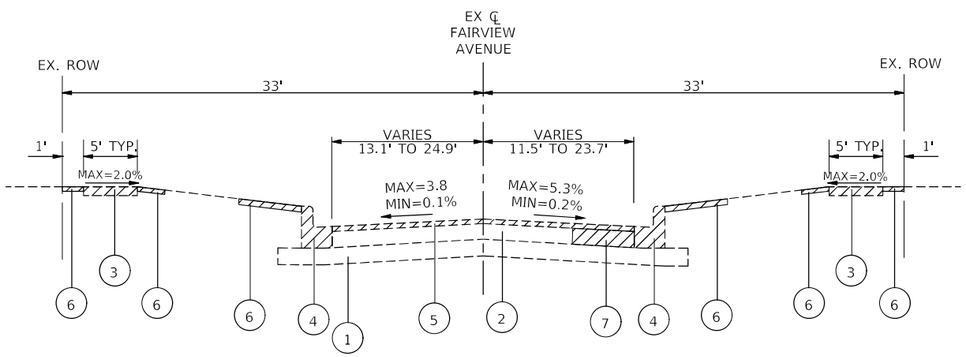
STA. 3+90 TO STA. 21+90, FAIRVIEW AVENUE

STA. 36+45 TO STA. 72+66, FAIRVIEW AVENUE



EXISTING TYPICAL SECTION

STA. 22+66 TO STA. 35+40, FAIRVIEW AVENUE



EXISTING TYPICAL SECTION

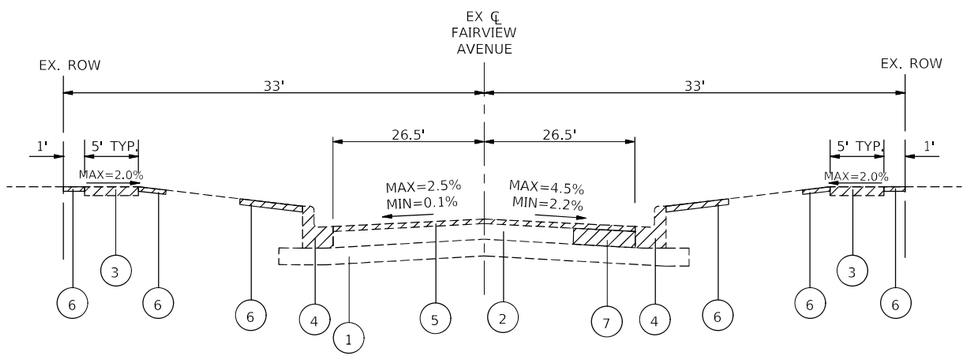
STA. 21+90 TO STA. 22+66, FAIRVIEW AVENUE TAPER SECTION

STA. 35+40 TO STA. 36+45, FAIRVIEW AVENUE TAPER SECTION

STA. 72+66 TO STA. 74+04, FAIRVIEW AVENUE TAPER SECTION

LEGEND

REMOVAL ITEMS
(WHERE SHOWN ON PLANS OR AS DETERMINED IN THE FIELD BY ENGINEER)



EXISTING TYPICAL SECTION

STA. 74+04 TO STA. 78+44, FAIRVIEW AVENUE

NOTE OF NO IMPROVEMENTS INCLUDED IN THIS CONTRACT:
OMISSION STA. 22+66 TO STA. 32+38, FAIRVIEW AVENUE

LEGEND

1. EXISTING SUBGRADE
2. EXISTING HMA BASE, 8" - 11", VARIES
3. EXISTING PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL WHERE SHOWN ON PLANS AND AS DETERMINED IN THE FIELD BY ENGINEER
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12 REMOVAL WHERE SHOWN ON PLANS
5. EXISTING HMA SURFACE REMOVAL, 2"
6. EXISTING TURF RESTORATION
7. EXISTING BASE REMOVAL FOR CLASS D PATCH (LOCATION AND DIMENSIONS DETERMINED BY ENGINEER)

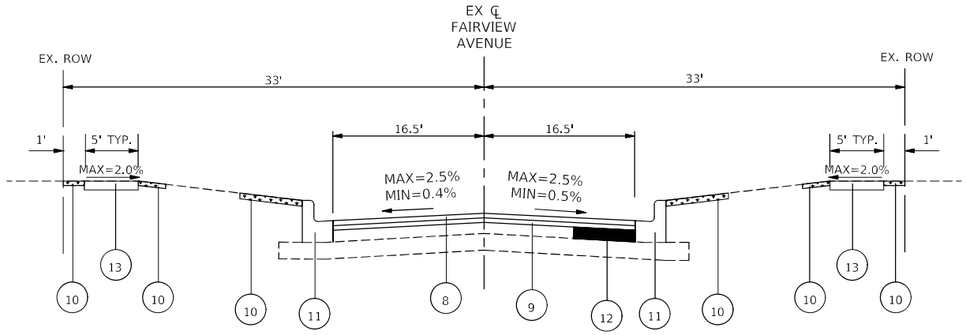
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 11/19/21	DATE – 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

NOT TO SCALE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

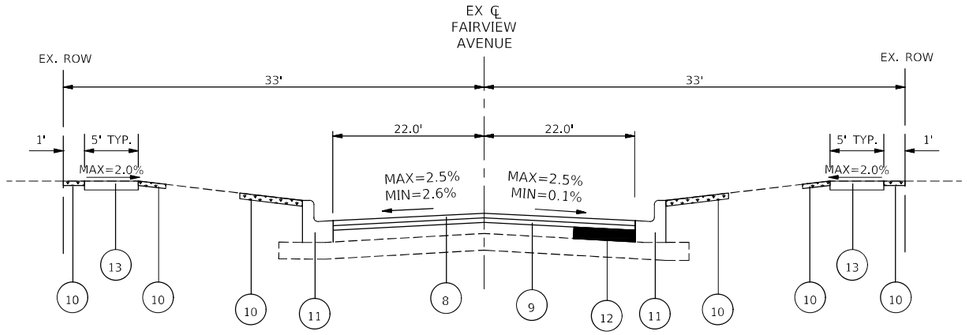
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	7
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION

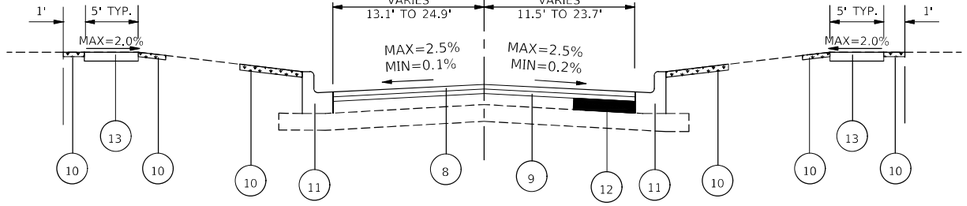
STA. 3+90 TO STA. 21+90, FAIRVIEW AVENUE

STA. 36+45 TO STA. 72+66, FAIRVIEW AVENUE



PROPOSED TYPICAL SECTION

STA. 22+66 TO STA. 35+40, FAIRVIEW AVENUE

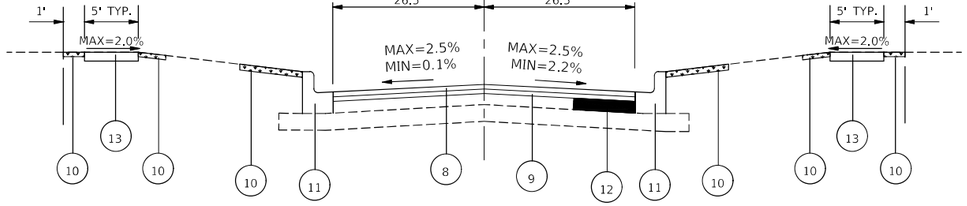


PROPOSED TYPICAL SECTION

STA. 21+90 TO STA. 22+66, FAIRVIEW AVENUE TAPER SECTION

STA. 35+40 TO STA. 36+45, FAIRVIEW AVENUE TAPER SECTION

STA. 72+66 TO STA. 74+04, FAIRVIEW AVENUE TAPER SECTION



NOTE OF NO IMPROVEMENTS INCLUDED IN THIS CONTRACT:
OMISSION STA. 22+66 TO STA. 32+38, FAIRVIEW AVENUE

PROPOSED TYPICAL SECTION

STA. 74+04 TO STA. 78+44, FAIRVIEW AVENUE

LEGEND

(8) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"

(9) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

(10) PROPOSED SODDING, SALT TOLERANT & TOP SOIL FURNISH AND PLACE, 4" (LOCATIONS DETERMINED BY ENGINEER)

(11) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12 REPLACEMENT, WHERE SHOWN ON PLANS AND AS DETERMINED IN THE FIELD BY ENGINEER

(12) CLASS D PATCH (LOCATION AND DIMENSIONS DETERMINED BY ENGINEER), 11"

(13) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, WHERE SHOWN ON PLAN AND AS DETERMINED IN THE FIELD BY ENGINEER

LEGEND

CLASS D PATCH

TURF RESTORATION

MIXTURES TABLE

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
ROADWAYS:		
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 3":		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D" N50 - 3" (IN 2 LIFTS)	4% @ 50 GYR	LR 1030-2
PATCHING:		
CLASS D PATCHES, HMA BINDER, IL-19.0, N70, 11"	4% @ 70 GYR	LR 1030-2

CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

-THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.

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

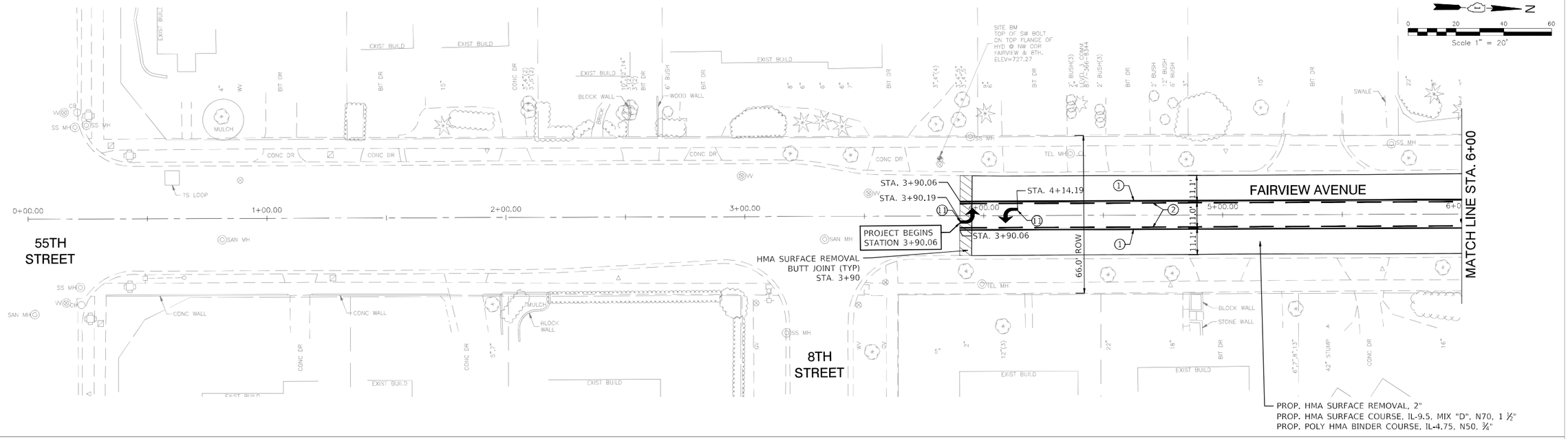
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

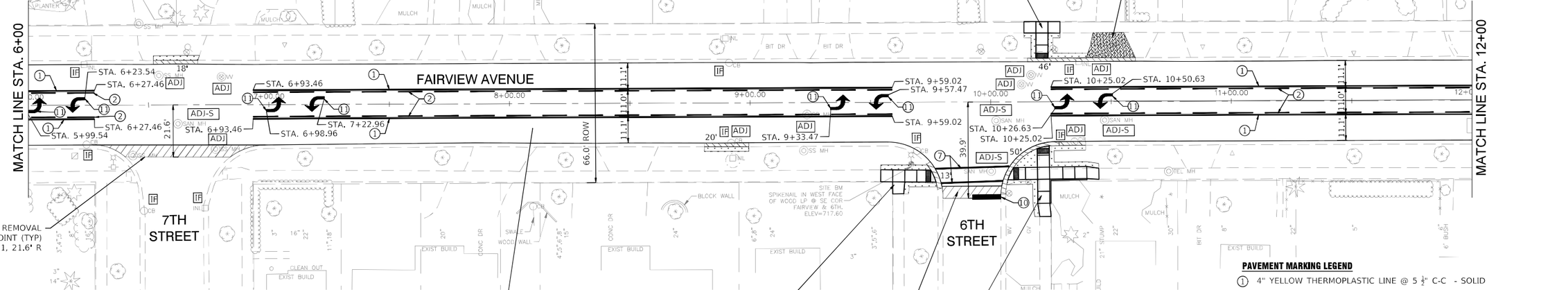
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

NOT TO SCALE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	8
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





NOTES

1. CLASS D PATCHES, 11" AS DIRECTED BY THE ENGINEER.
2. ALL EXISTING DRAINAGE STRUCTURES WHICH ARE TO BE ADJUSTED SHALL BE CLEANED IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS.
3. TOPSOIL, SODDING LOCATION/PLACEMENT AS DIRECTED BY THE ENGINEER.
4. EXISTING TREES TO RECEIVE TREE TRUNK PROTECTION AND TREE ROOT PRUNING ARE TO BE DIRECTED BY ENGINEER.
5. TRAFFIC CONTROL SHALL ROUTE VEHICLES BACK TO EXISTING TRAFFIC LANES WHERE PROTECTIVE LIGHTS AND GATES ARE PRIOR TO REACHING RAILROAD CROSSING.

PROJECT STATION LIMITS

PROJECT BEGINS STA. 3+90.06
PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

LEGEND

- REMOVE & REPLACE ADA RAMP
- ADJ — DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- ADJ-S — SANITARY STRUCTURE TO BE ADJUSTED SEE DETAIL ON SHEET 21
- IF — INLET FILTERS
- TOPSOIL, SOD RESTORATION
- REMOVE & REPLACE EXISTING CURB AND GUTTER
- REMOVE & REPLACE HMA DRIVEWAY
- REMOVE & REPLACE PCC DRIVEWAY

PAVEMENT MARKING LEGEND

1. 4" YELLOW THERMOPLASTIC LINE @ 5 ½" C-C - SOLID
2. 4" YELLOW THERMOPLASTIC LINE @ 5 ½" C-C - 10' DASH 30' SKIP
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11. LETTERS AND SYMBOLS - FULL SIZE

FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
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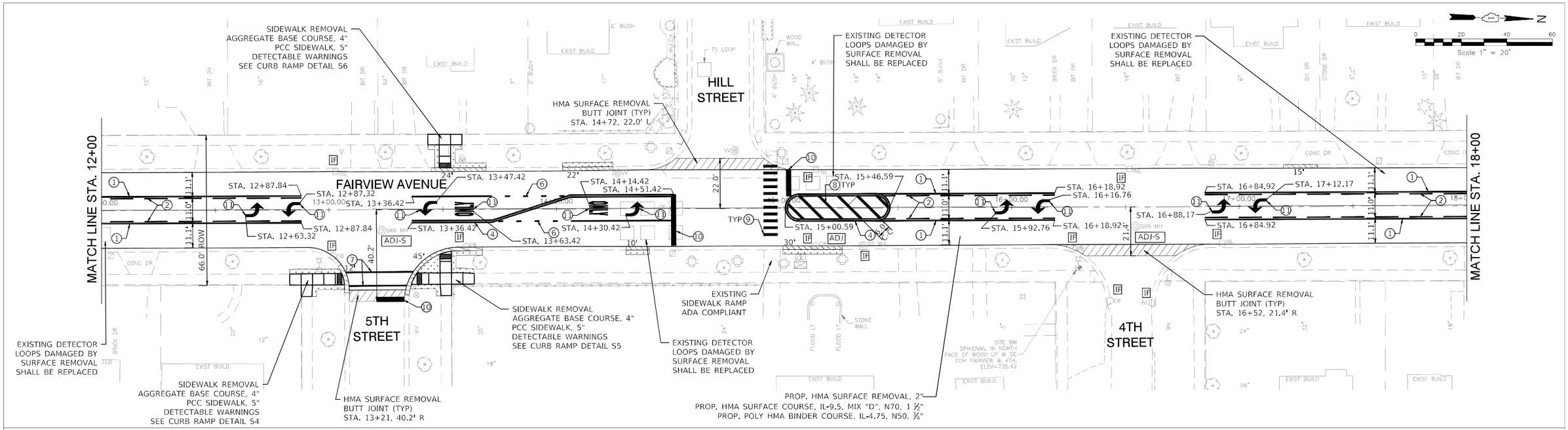
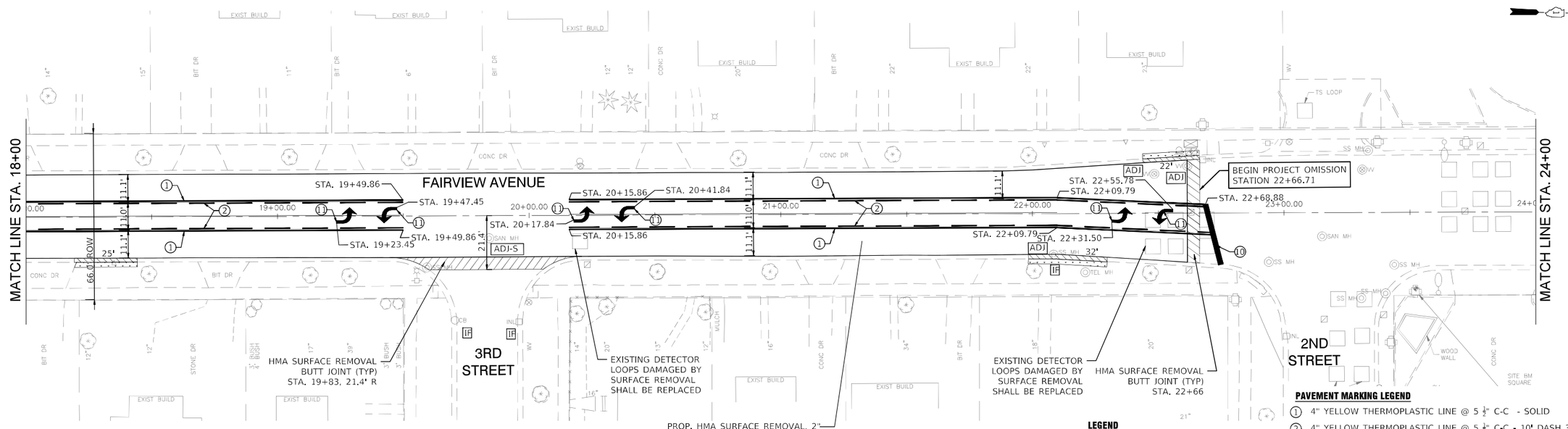
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 0+00 TO STA. 12+00)

SCALE: 1"=20' | SHEET NO. 1 OF 7 SHEETS | STA. 0+00 TO STA. 12+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	9
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





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PROJECT STATION LIMITS

PROJECT BEGINS STA. 3+90.06
PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

LEGEND

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PAVEMENT MARKING LEGEND

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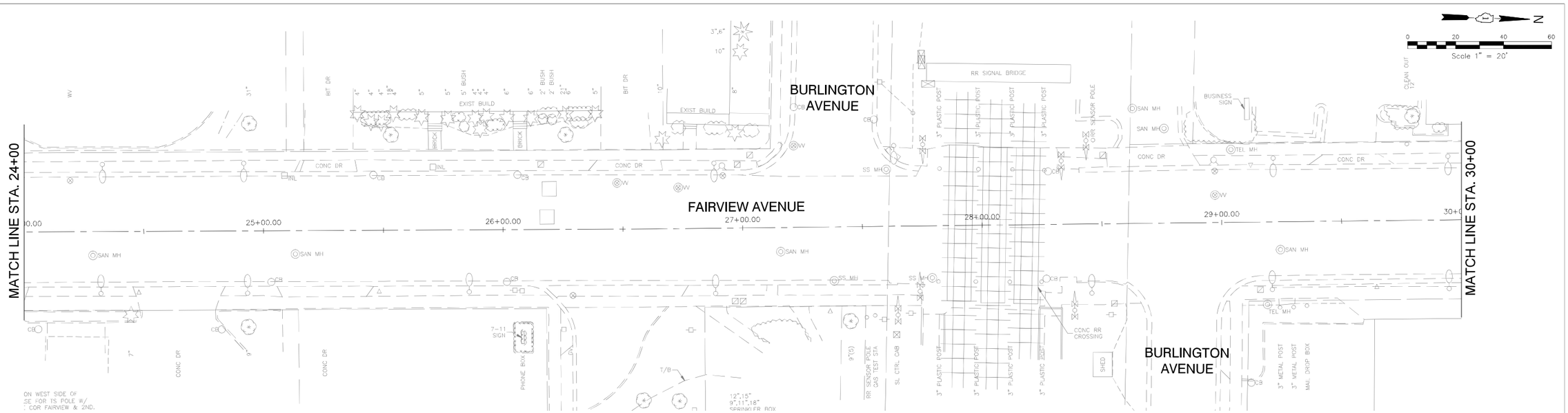
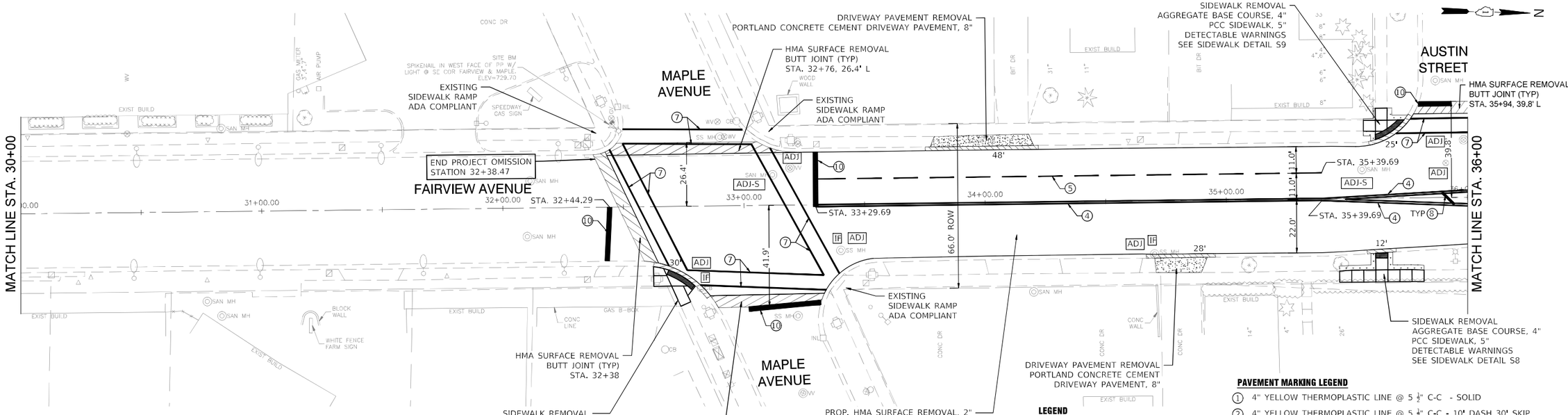
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 12+00 TO STA. 24+00)

SCALE: 1"=20' | SHEET NO. 2 OF 7 SHEETS | STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	10
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





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PROJECT STATION LIMITS

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PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

LEGEND

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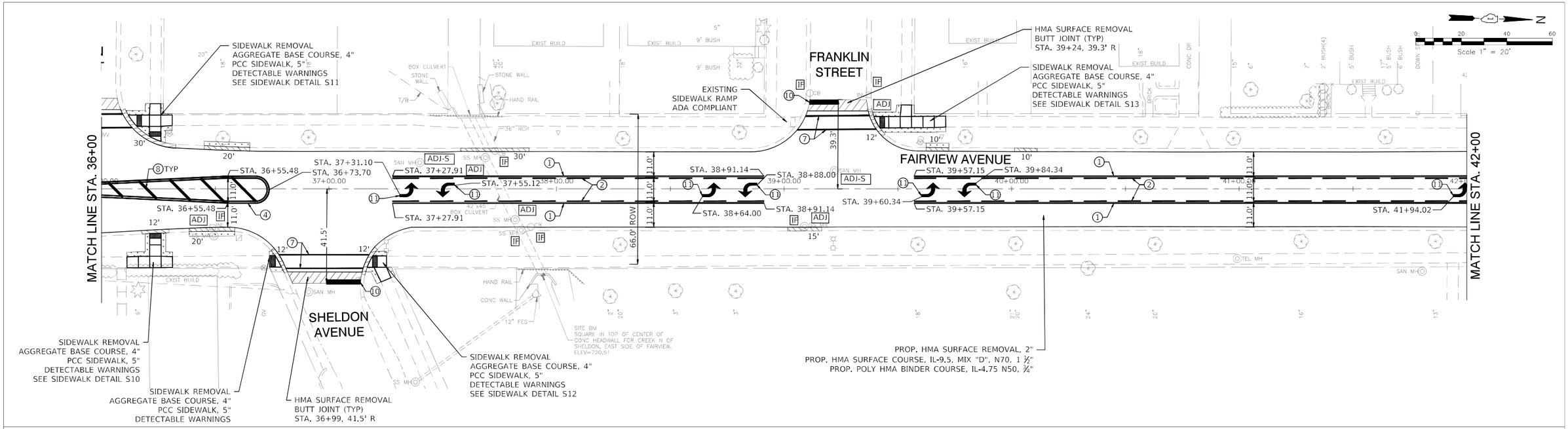
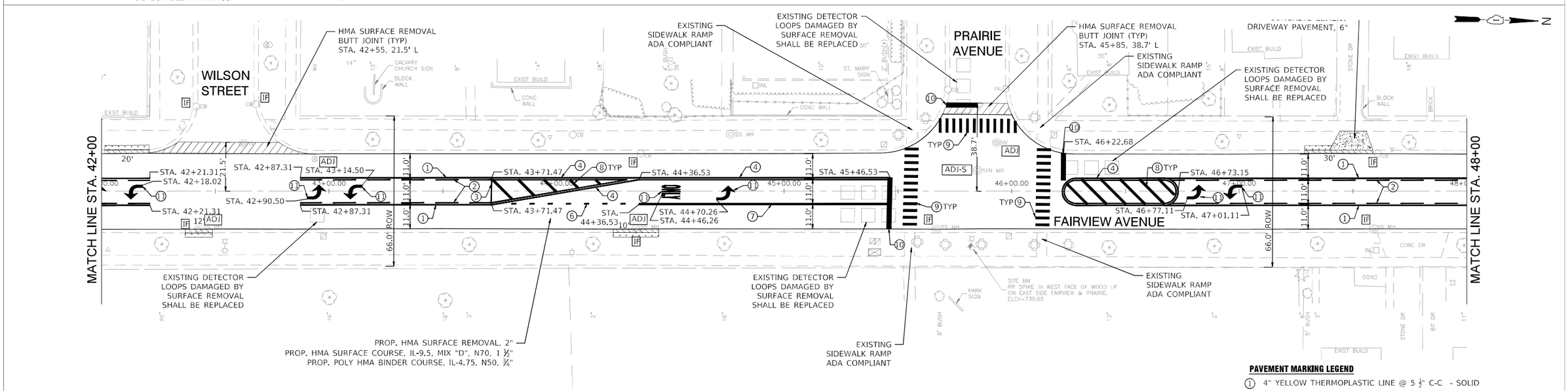
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 24+00 TO STA. 36+00)

SCALE: 1"=20' | SHEET NO. 3 OF 7 SHEETS | STA. 24+00 TO STA. 36+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	11
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





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PROJECT STATION LIMITS

PROJECT BEGINS STA. 3+90.06
PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

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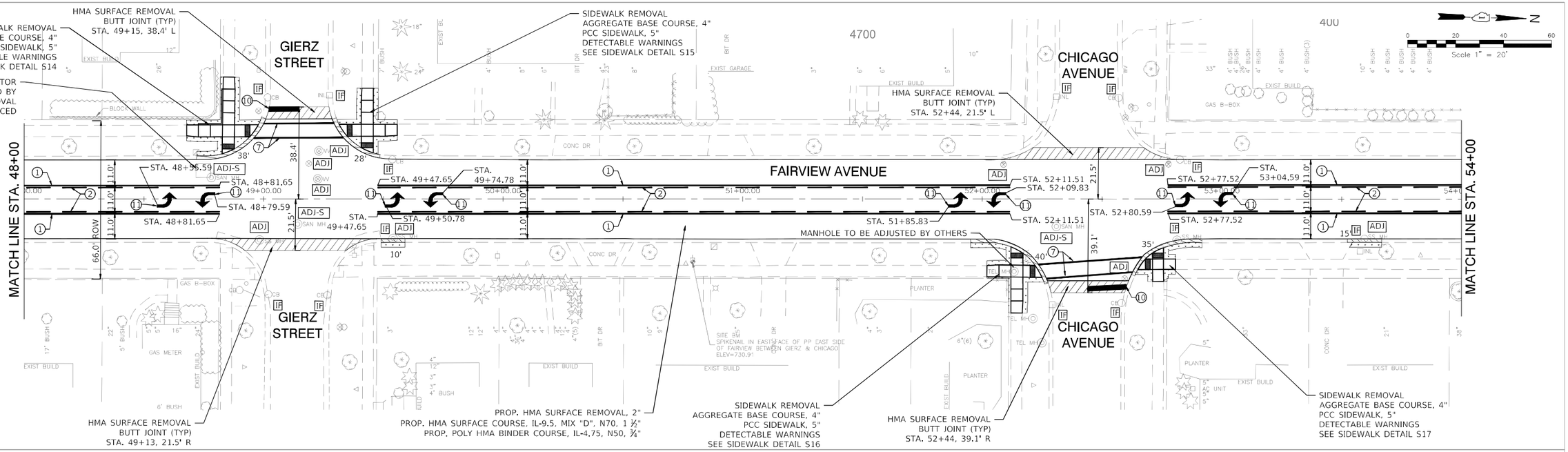
	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

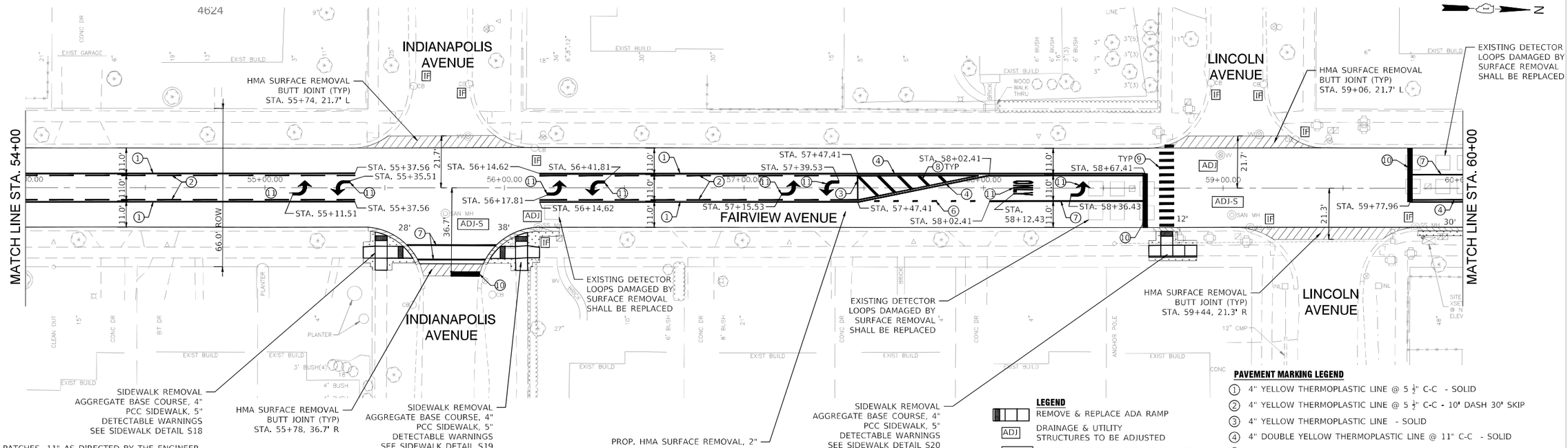
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 36+00 TO STA. 48+00)

SCALE: 1"=20' | SHEET NO. 4 OF 7 SHEETS | STA. 36+00 TO STA. 48+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	12
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





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PROJECT STATION LIMITS

PROJECT BEGINS STA. 3+90.06
PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

LEGEND

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- ADJ — DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- ADJ-S — SANITARY STRUCTURE TO BE ADJUSTED SEE DETAIL ON SHEET 21
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PAVEMENT MARKING LEGEND

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11. LETTERS AND SYMBOLS - FULL SIZE

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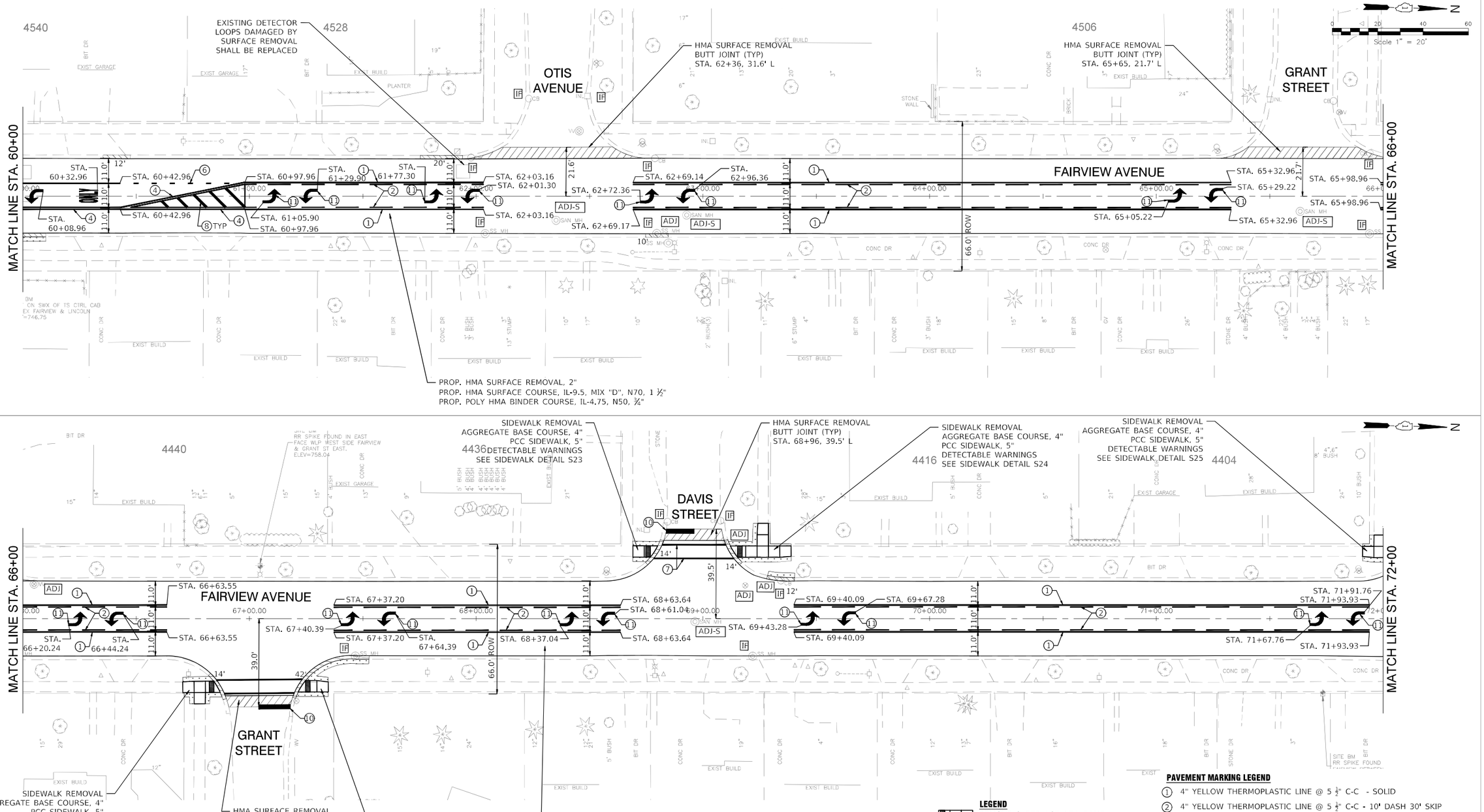
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 48+00 TO STA. 60+00)

SCALE: 1"=20' | SHEET NO. 5 OF 7 SHEETS | STA. 48+00 TO STA. 60+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	13
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



NOTES

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PROJECT STATION LIMITS

PROJECT BEGINS STA. 3+90.06
PROJECT OMISSION STARTS STA. 22+66.71
PROJECT OMISSION ENDS STA. 32+38.47
PROJECT ENDS STA. 78+44.36

LEGEND

- REMOVE & REPLACE ADA RAMP
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PAVEMENT MARKING LEGEND

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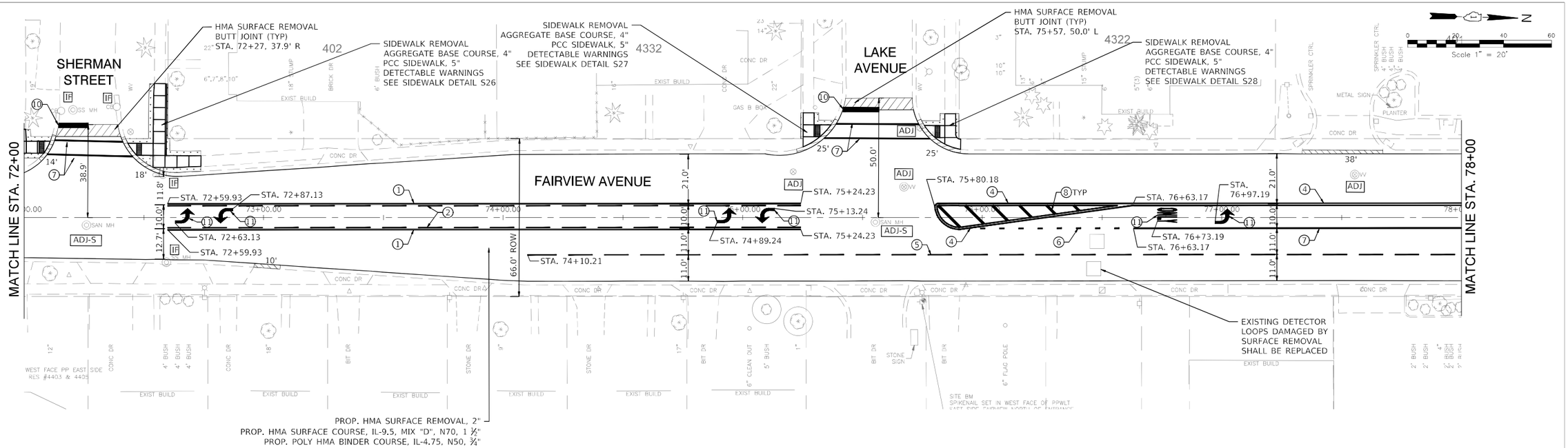
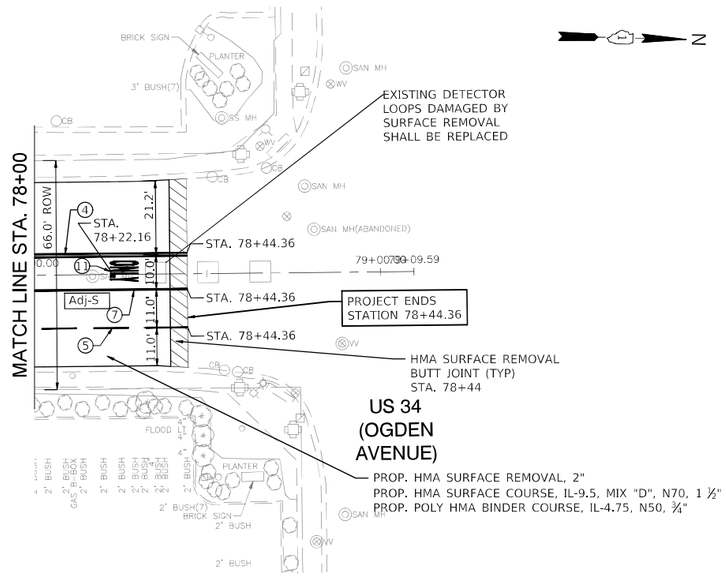
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET (STA. 60+00 TO STA. 72+00)

SCALE: 1"=20' | SHEET NO. 6 OF 7 SHEETS | STA. 60+00 TO STA. 72+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	14
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		





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PROJECT STATION LIMITS

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LEGEND

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5. 4" WHITE THERMOPLASTIC LINE - 10' DASH 30' SKIP
6. 6" WHITE THERMOPLASTIC LINE - 2' DASH 6' SKIP
7. 6" WHITE THERMOPLASTIC LINE - SOLID
8. 12" YELLOW THERMOPLASTIC LINE - SOLID
9. 12" WHITE THERMOPLASTIC LINE - SOLID
10. 24" WHITE THERMOPLASTIC LINE - SOLID
11. LETTERS AND SYMBOLS - FULL SIZE

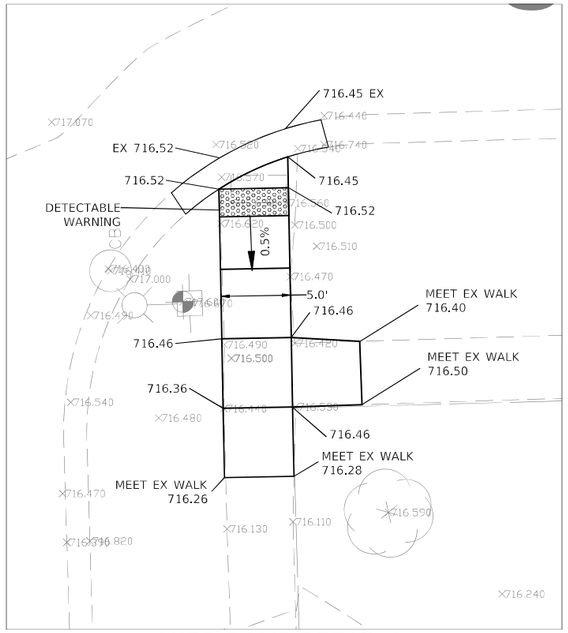
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

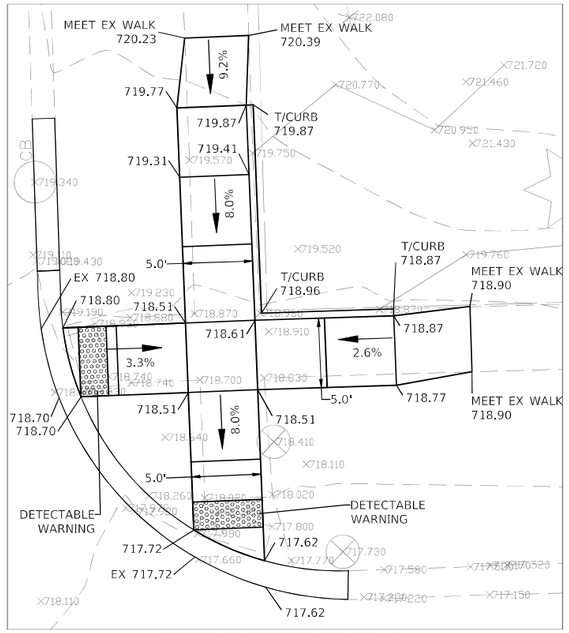
PLAN SHEET (STA. 72+00 TO STA. 79+10)

SCALE: 1"=20' | SHEET NO. 7 OF 7 SHEETS | STA. 72+00 TO STA. 79+10

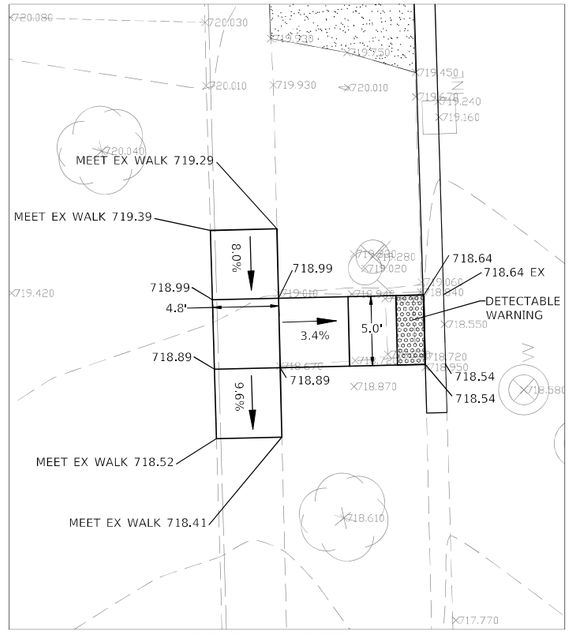
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	15
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



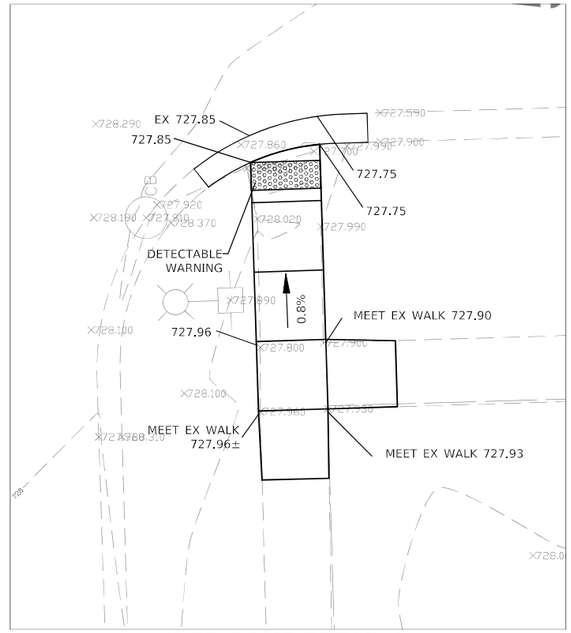
CURB RAMP DETAIL S1
STA. 9+74 - RIGHT SIDE



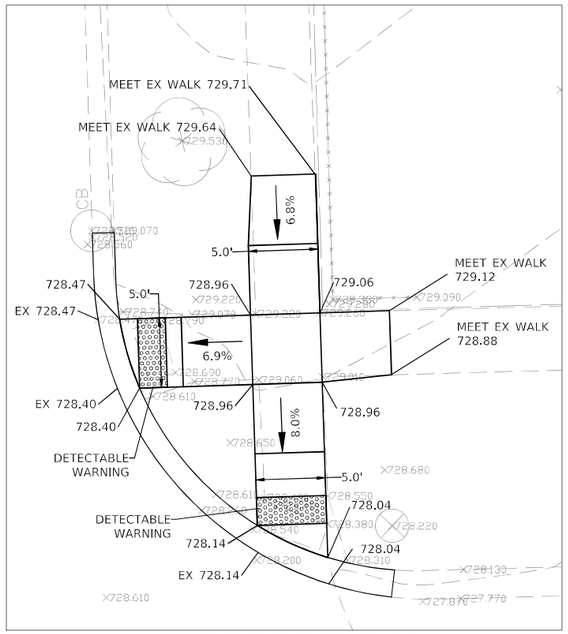
CURB RAMP DETAIL S2
STA. 10+22 - RIGHT SIDE



CURB RAMP DETAIL S3
STA. 10+22 - LEFT SIDE



CURB RAMP DETAIL S4
STA. 13+05 - RIGHT SIDE



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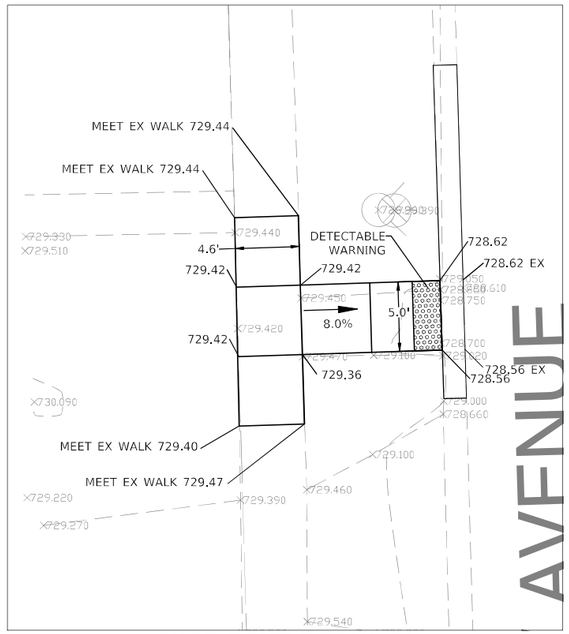
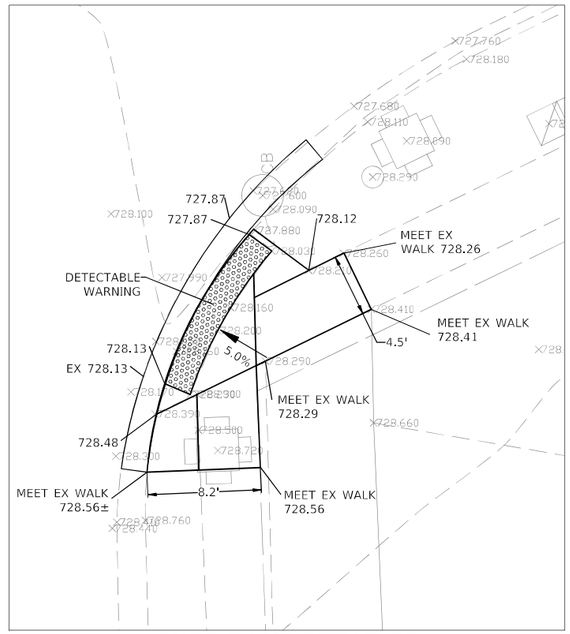
STA. 13+45 - RIGHT SIDE



CURB RAMP DETAIL S6
STA. 13+45 - LEFT SIDE



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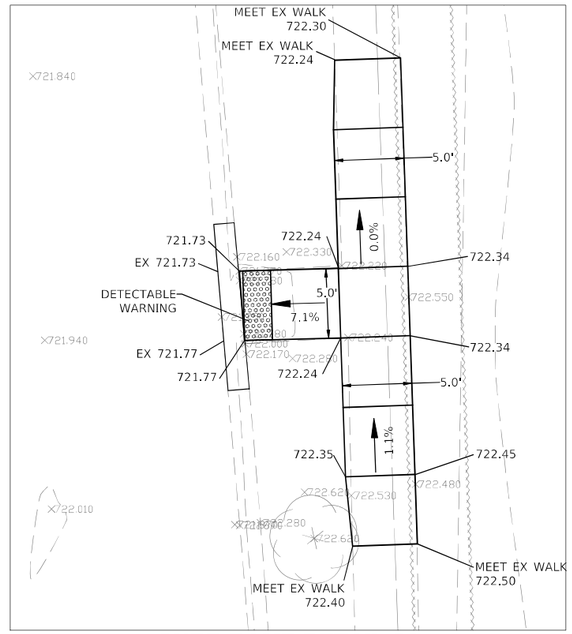
STA. 32+72 - RIGHT SIDE



CURB RAMP DETAIL S8
STA. 35+65 - RIGHT SIDE

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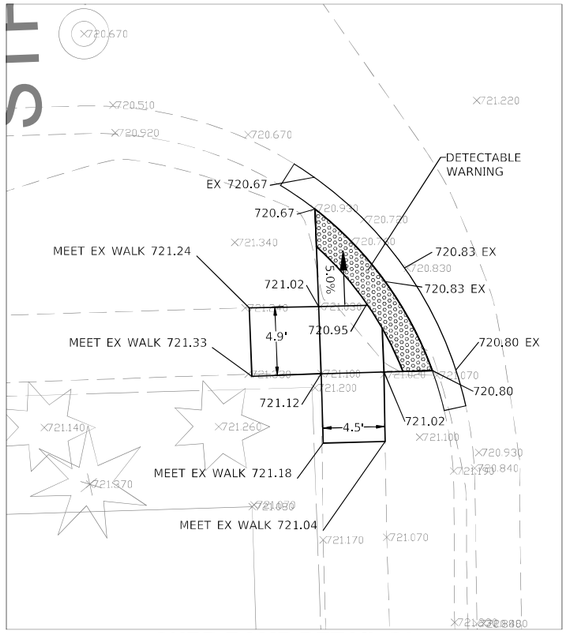
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 11/19/21	DATE – 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

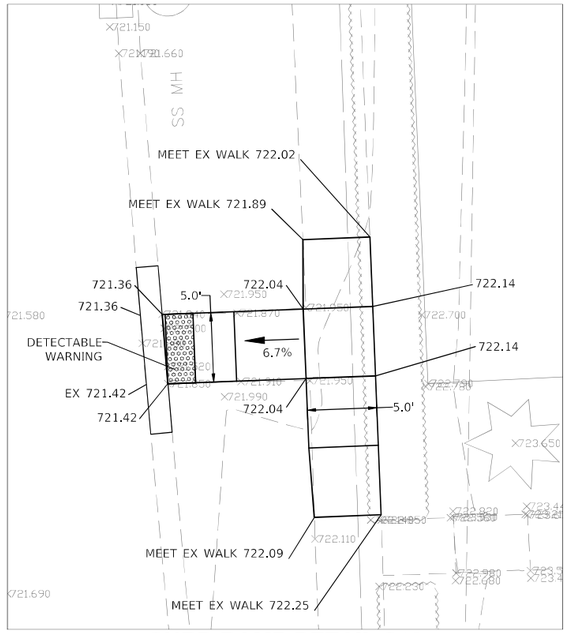
CURB RAMP DETAILS (S1 TO S8)

SCALE: 1"=5' | SHEET NO. 1 OF 4 SHEETS | STA. TO STA.

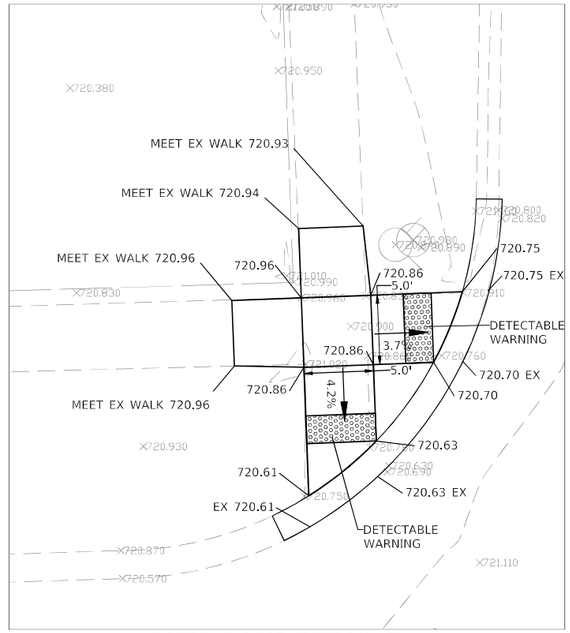
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	16
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



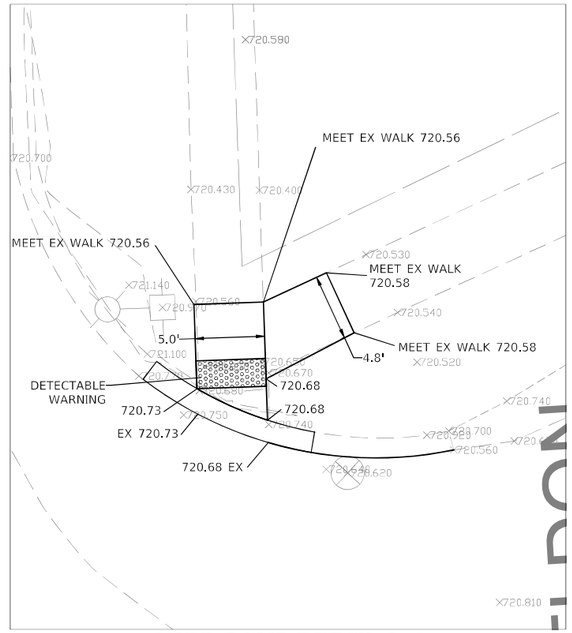
CURB RAMP DETAIL S9
STA. 35+65 - LEFT SIDE



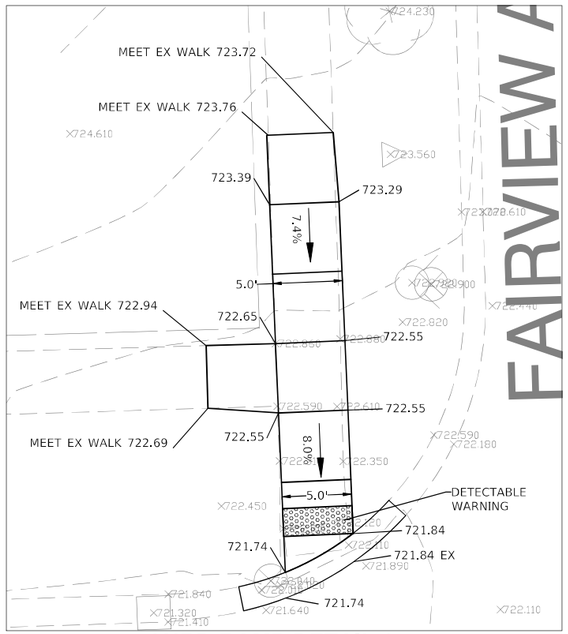
CURB RAMP DETAIL S10
STA. 36+24 - RIGHT SIDE



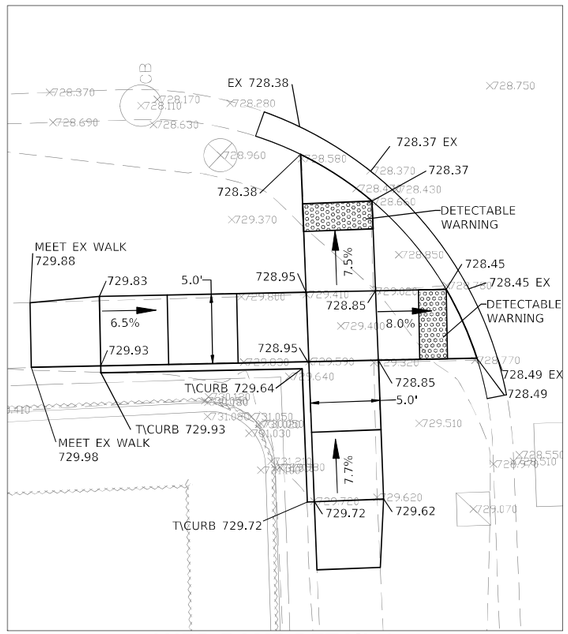
CURB RAMP DETAIL S11
STA. 36+24 - LEFT SIDE



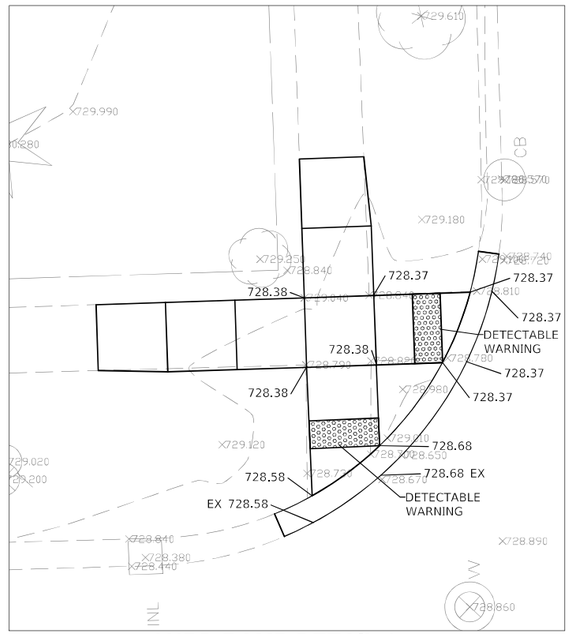
CURB RAMP DETAIL S12
STA. 37+23 - RIGHT SIDE



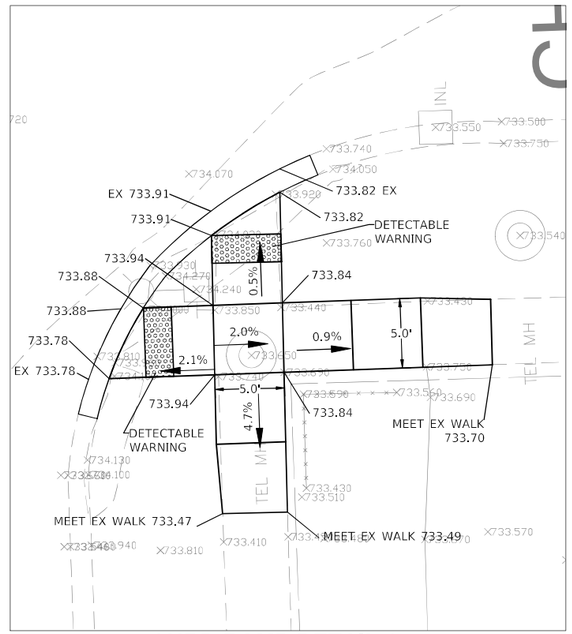
CURB RAMP DETAIL S13
STA. 39+50 - LEFT SIDE



CURB RAMP DETAIL S14
STA. 48+85 - LEFT SIDE



CURB RAMP DETAIL S15
STA. 49+43 - LEFT SIDE



CURB RAMP DETAIL S16
STA. 49+43 - LEFT SIDE

Scale 1" = 5'

N

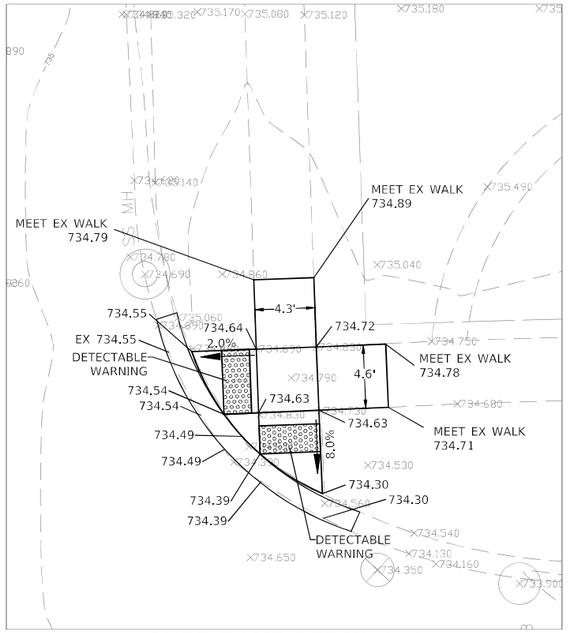
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 11/19/21	DATE – 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

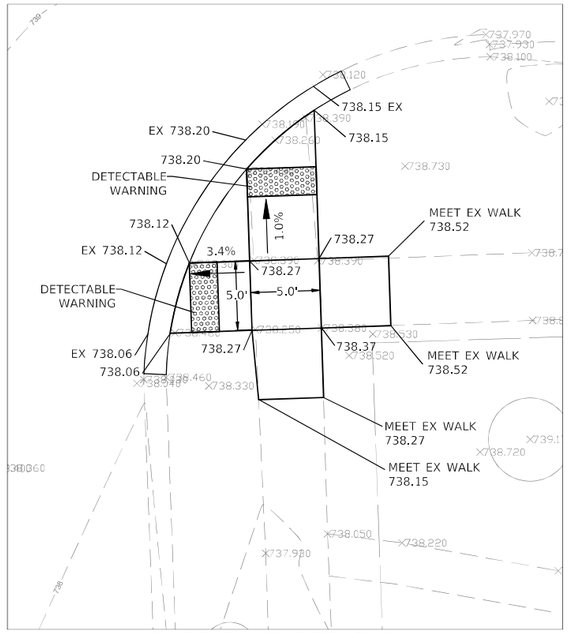
CURB RAMP DETAILS (S9 TO S16)

SCALE: 1"=5' | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

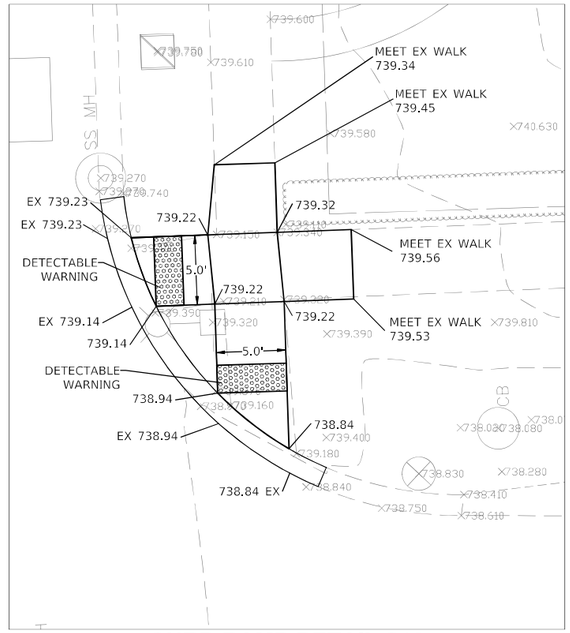
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	17
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



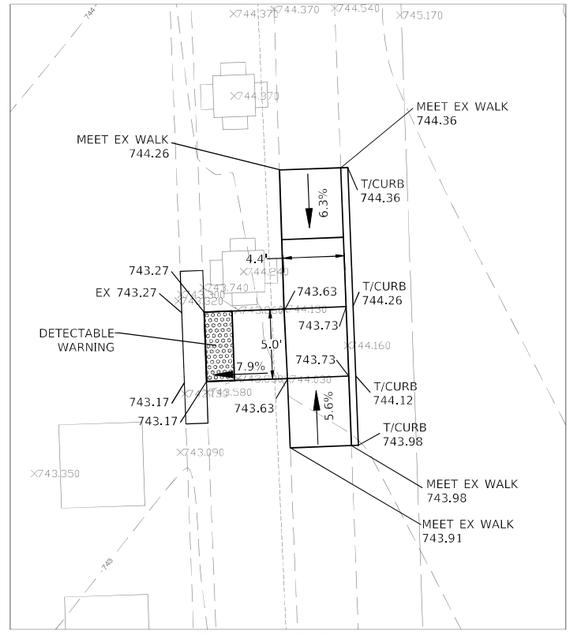
CURB RAMP DETAIL S17
STA. 52+73 - RIGHT SIDE



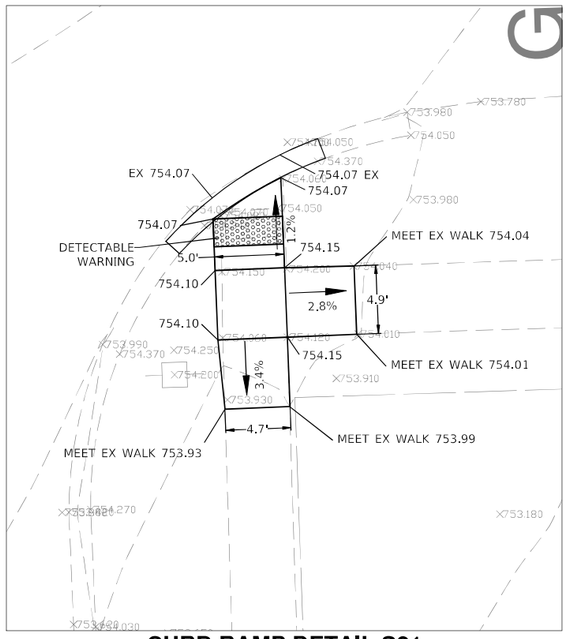
CURB RAMP DETAIL S18
STA. 55+50 - RIGHT SIDE



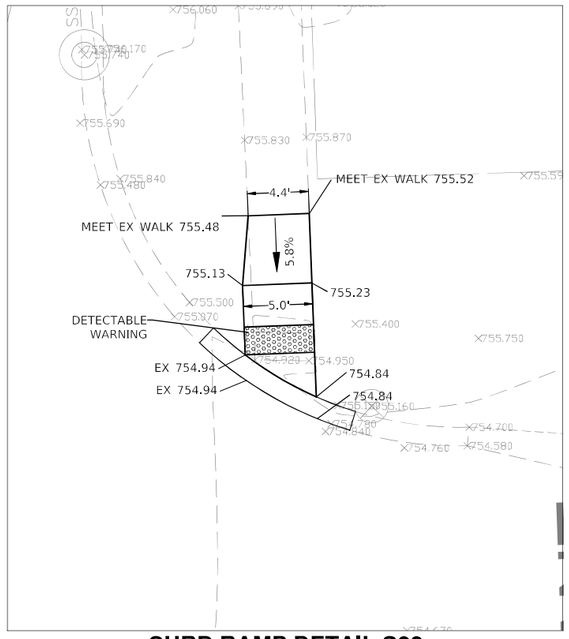
CURB RAMP DETAIL S19
STA. 56+07 - RIGHT SIDE



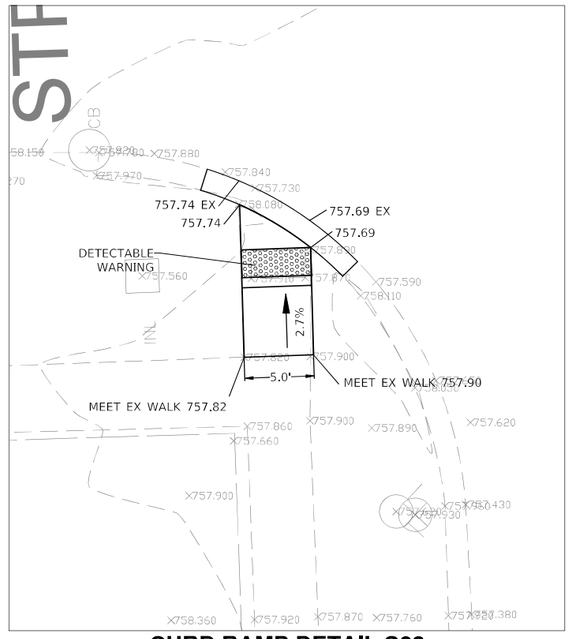
CURB RAMP DETAIL S20
STA. 58+77 - RIGHT SIDE



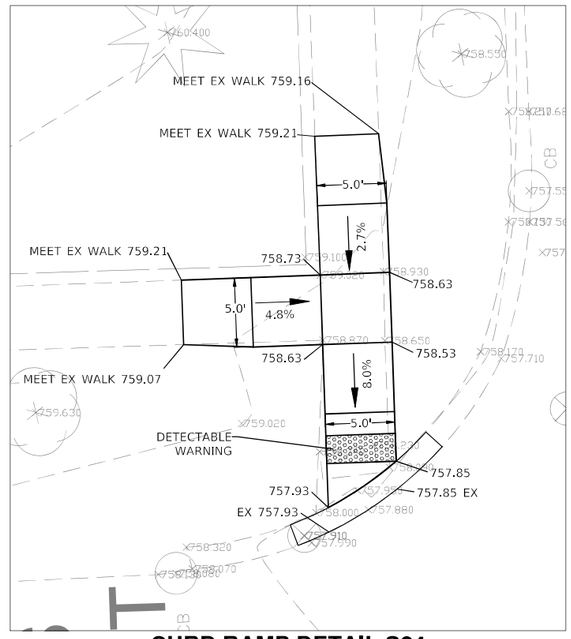
CURB RAMP DETAIL S21
STA. 66+80 - RIGHT SIDE



CURB RAMP DETAIL S22
STA. 67+30 - RIGHT SIDE



CURB RAMP DETAIL S23
STA. 68+73 - LEFT SIDE



CURB RAMP DETAIL S24
STA. 69+24 - LEFT SIDE

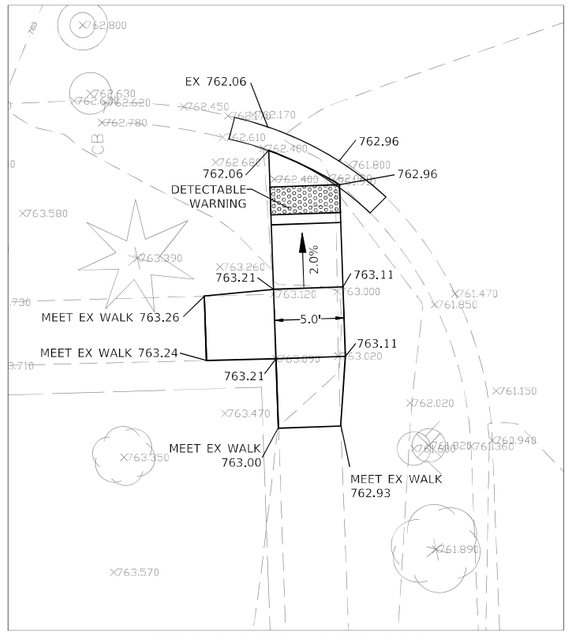
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 11/19/21	DATE – 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

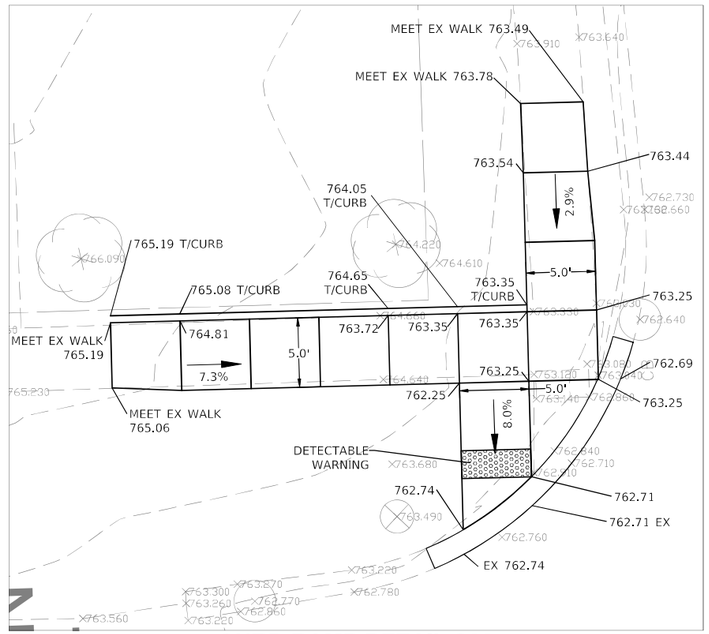
CURB RAMP DETAILS (S17 TO S24)

SCALE: 1"=5' | SHEET NO. 3 OF 4 SHEETS | STA. TO STA.

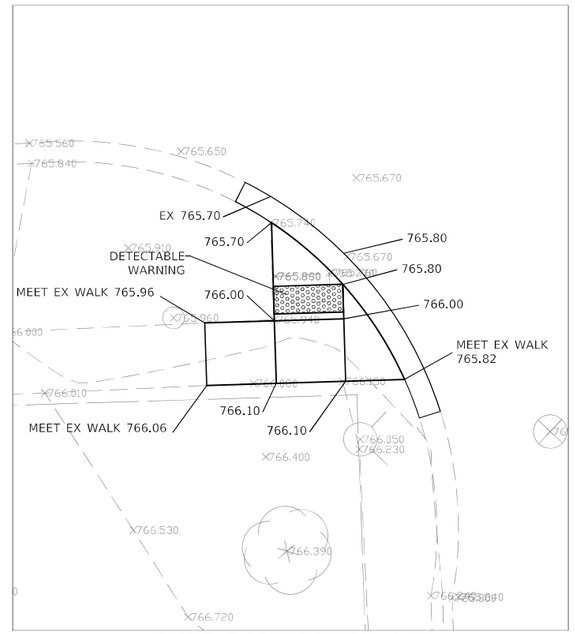
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	18
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



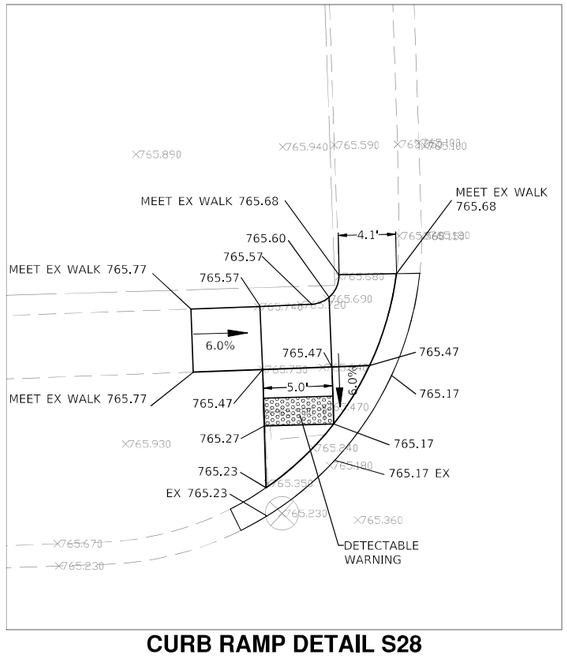
CURB RAMP DETAIL S25
STA. 72+00 - LEFT SIDE



CURB RAMP DETAIL S26
STA. 72+55 - LEFT SIDE



CURB RAMP DETAIL S27
STA. 75+28 - LEFT SIDE



CURB RAMP DETAIL S28
STA. 75+85 - LEFT SIDE

FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
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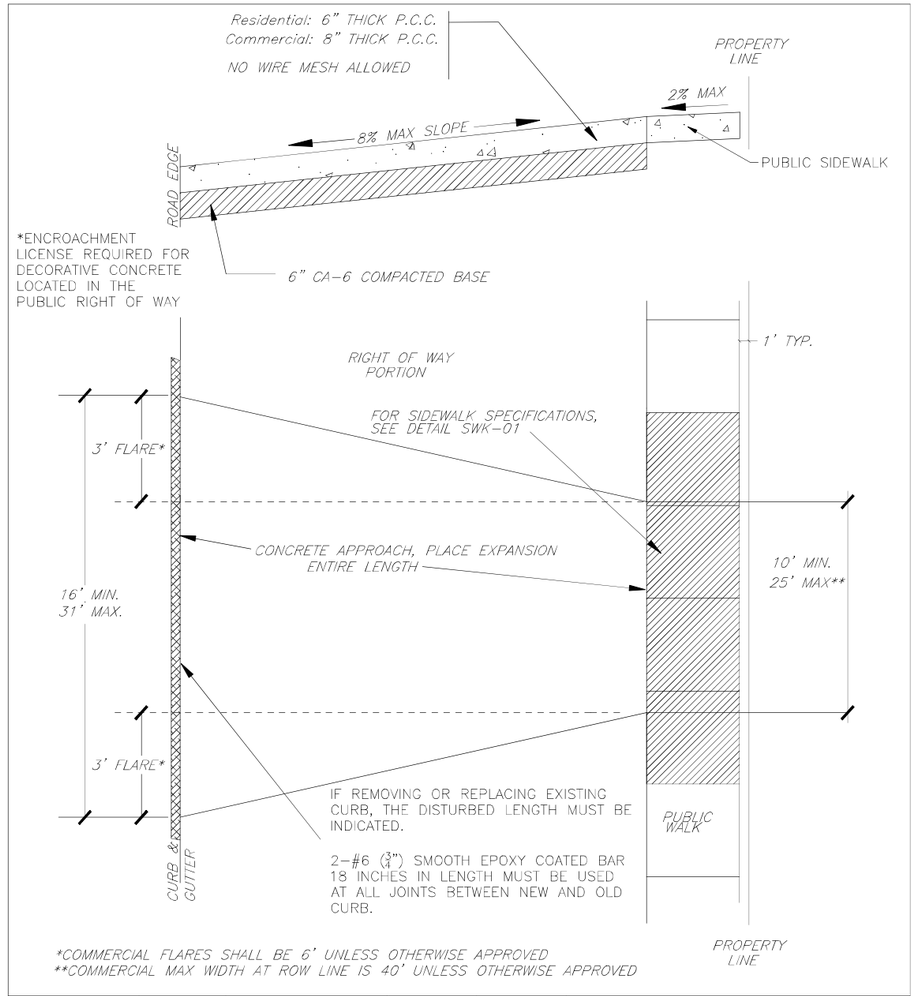
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 11/19/21	DATE – 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS (S25 TO S28)

SCALE: 1"=5' | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

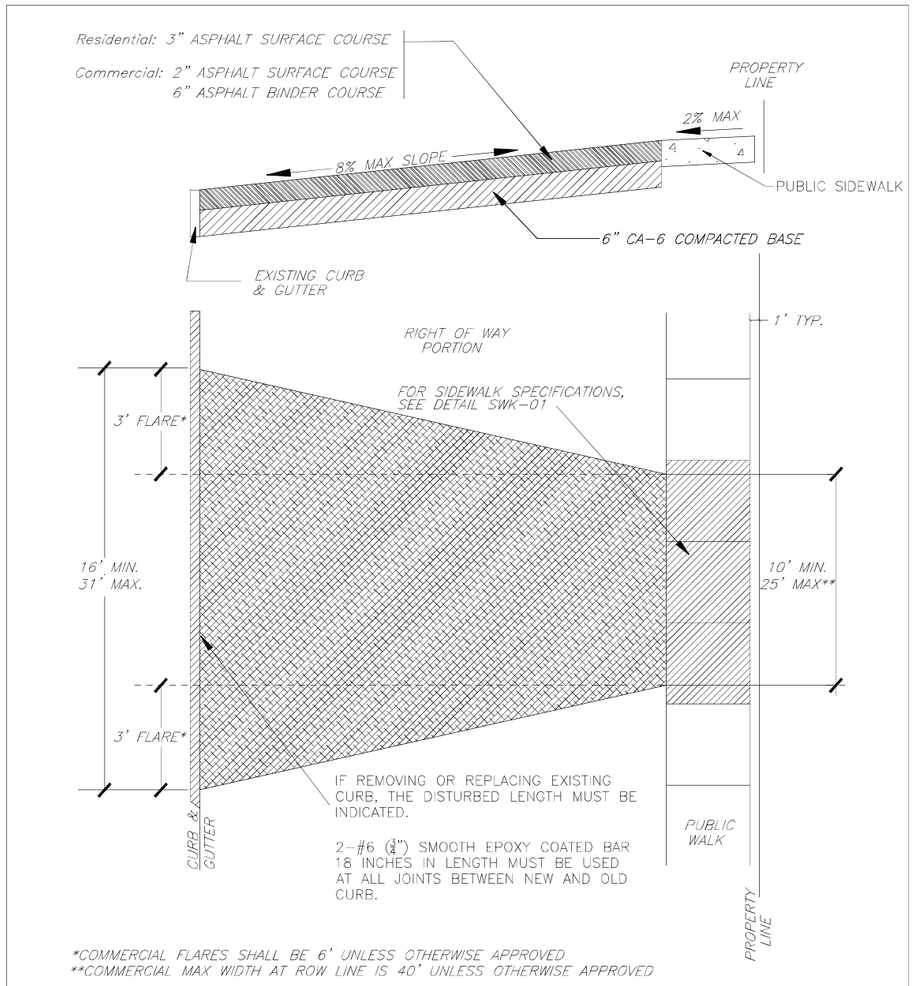
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	19
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



*COMMERCIAL FLARES SHALL BE 6' UNLESS OTHERWISE APPROVED
**COMMERCIAL MAX WIDTH AT ROW LINE IS 40' UNLESS OTHERWISE APPROVED

N.T.S.	DATE	REVISIONS	DRAWN BY	APPVD BY	STANDARD DETAIL
	03/02/20		N.R.H.	J.M.W.	CONCRETE APPROACH WITH CURB

DRAWING NO. PVT-09
I:\LIBRARY\DETAILS\PAVEMENT\PVT-09



*COMMERCIAL FLARES SHALL BE 6' UNLESS OTHERWISE APPROVED
**COMMERCIAL MAX WIDTH AT ROW LINE IS 40' UNLESS OTHERWISE APPROVED

N.T.S.	DATE	REVISIONS	DRAWN BY	APPVD BY	STANDARD DETAIL
	01/01/19		N.R.H.	J.M.W.	ASPHALT APPROACH WITH CURB

DRAWING NO. PVT-03
I:\LIBRARY\DETAILS\PAVEMENT\PVT-03

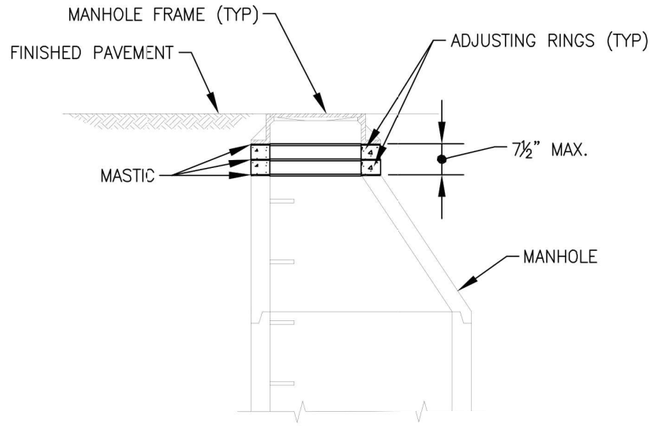
FILE NAME =	USER NAME = USER	DESIGNED = NRH	REVISED
FILE NAME =		DRAWN = NRH	REVISED
	PLOT SCALE =	CHECKED = SAV	REVISED
	PLOT DATE = 11/19/21	DATE = 11/19/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE DETAILS

NOT TO SCALE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	20
		CONTRACT NO. 61H39		
	ILLINOIS	FED. AID PROJECT		



THIS METHOD SHALL BE USED FOR ALL MANHOLES WHICH WILL HAVE LESS THAN SEVEN AND ONE–HALF (7–½") INCHES OF ADJUSTMENT BETWEEN THE TOP OF THE CONE AND THE BOTTOM OF THE FRAME WHEN SET AT FINISHED GRADE. TO RAISE THE FRAME, ADJUSTMENT SHALL BE MADE USING PRECAST REINFORCED CONCRETE RINGS. CONCRETE BLOCKS OR BRICKS SHALL NOT BE USED. THE SPACES BETWEEN THE CONE, RINGS AND FRAME SHALL BE COMPLETELY SEALED WITH PREFORMED BITUMINOUS MASTIC (EASY STIK MORTAR SHALL NOT BE USED. TO LOWER THE FRAME, EXISTING ADJUSTMENTS SHALL BE REMOVED AND THE SPACE BETWEEN THE FRAME AND THE CONE SHALL BE REMOVED AND THE SPACE BETWEEN THE FRAME AND THE CONE SHALL BE COMPLETELY SEALED WITH PREFORMED BITUMINOUS MASTIC GASKET. IF THE MANHOLE WOULD HAVE SEVEN AND ONE–HALF (7–½") INCHES OR MORE OF ADJUSTMENTS WHEN SET AT THE FINISHED GRADE OR IF THE FRAME MUST BE LOWERED BY MORE THAN THE AMOUNT OF EXISTING ADJUSTMENT, THE MANHOLE SHALL BE RECONSTRUCTED. REFER TO DOWNERS GROVE SANITARY DISTRICT SPECIFICATIONS FOR MANHOLE RECONSTRUCTION. THE DOWNERS GROVE SANITARY DISTRICT SHALL BE NOTIFIED OF MANHOLES TO BE ADJUSTED PRIOR TO BEGINNING CONSTRUCTION. ONCE COMPLETED, NO SUCH ADJUSTMENT SHALL BE BACKFILLED WITHOUT INSPECTION BY THE DOWNERS GROVE SANITARY DISTRICT.

FRAMES & LIDS TO BE ADJUSTED (SPECIAL)

Downers Grove Sanitary District

REV. 2–1–15
REV. 8–12–97
REV. 10–20–84

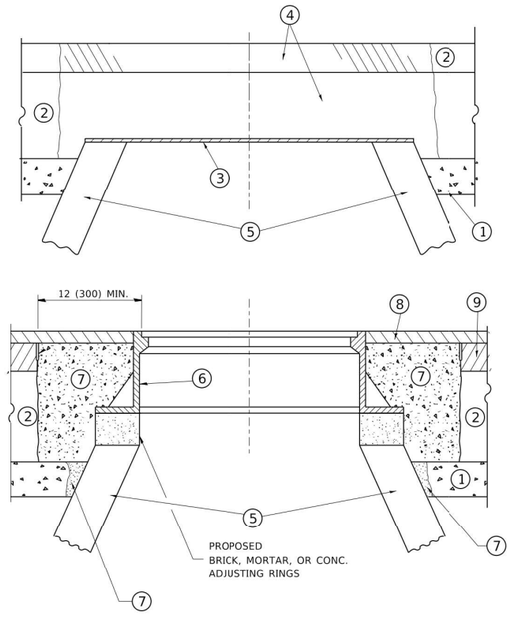
FILE NAME =	USER NAME – USER	DESIGNED – NRH	REVISED
FILE NAME =		DRAWN – NRH	REVISED
	PLOT SCALE –	CHECKED – SAV	REVISED
	PLOT DATE – 12/17/21	DATE – 12/17/21	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE DETAILS

NOT TO SCALE | SHEET NO. 2 OF 2 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19–00114–00–RS	DuPAGE	32	21
		CONTRACT NO. 61H39		
	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 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

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.

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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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.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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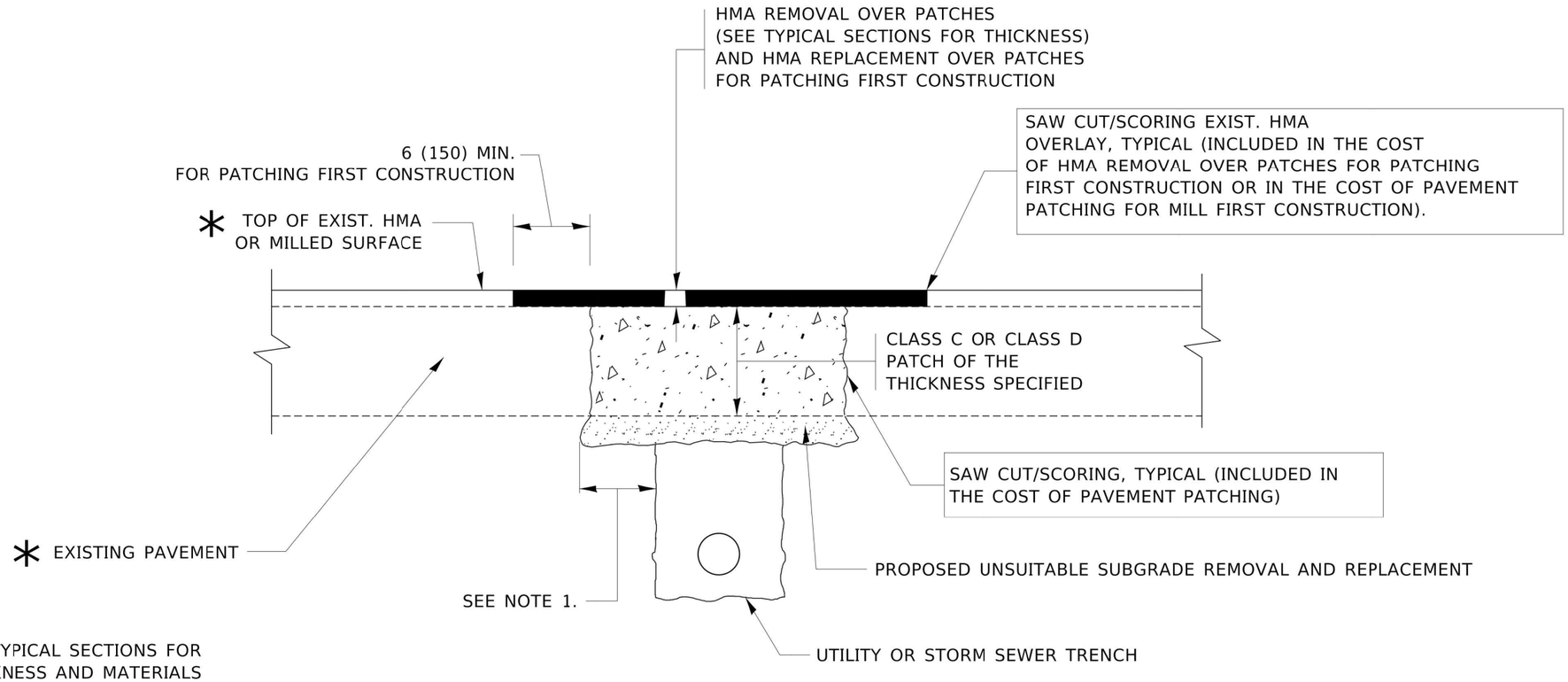

* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 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.

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USER NAME = footemj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT**	
	DRAWN -	REVISED - R. BORO 01-01-07			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08			

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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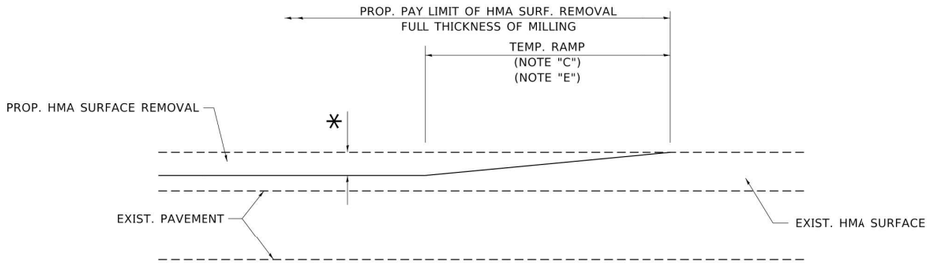
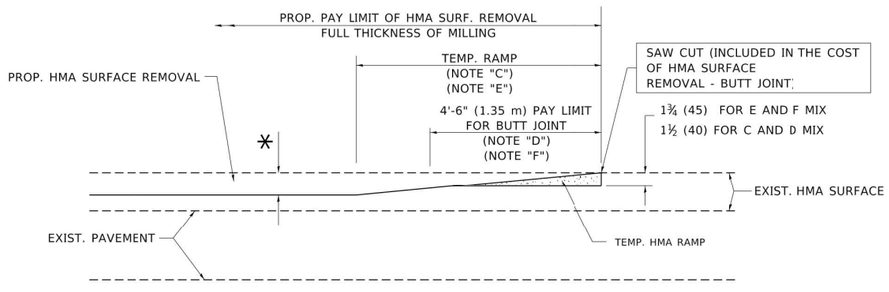


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

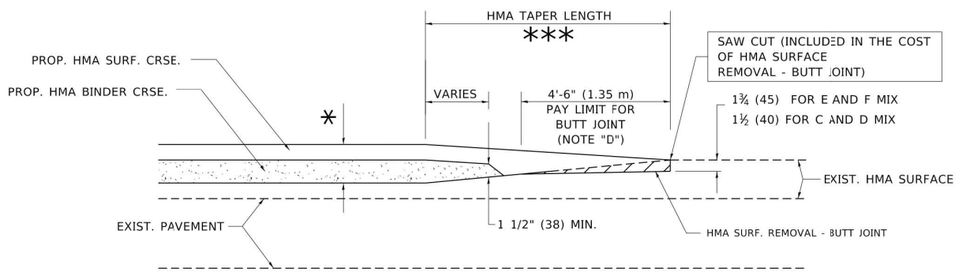


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

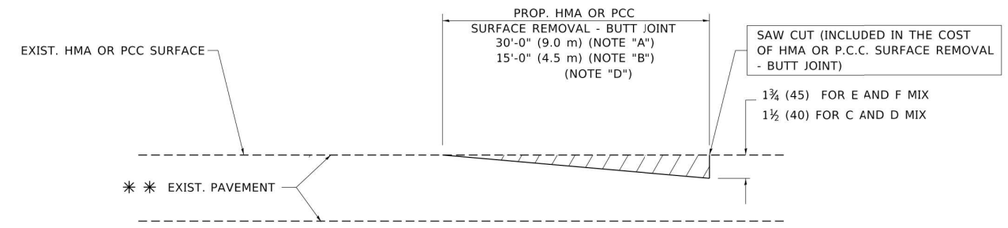
OPTION 2

TYPICAL TEMPORARY RAMP

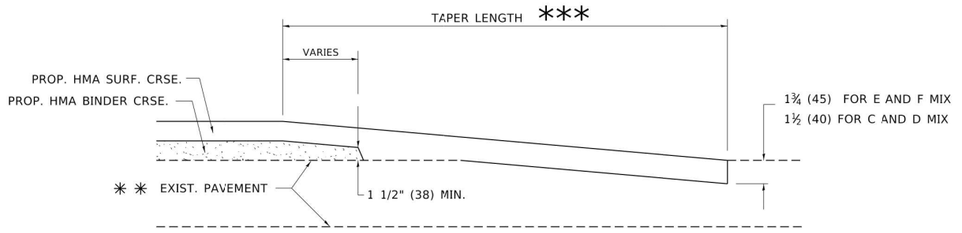


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

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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.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS FED. AID PROJECT			

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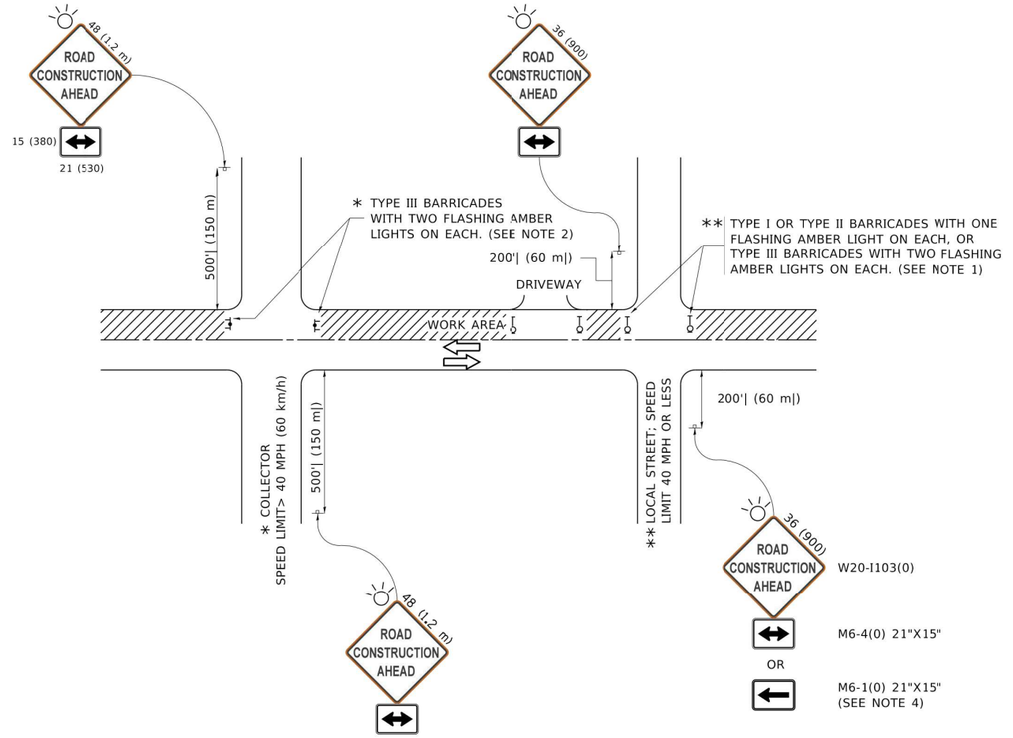

NOTES:

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

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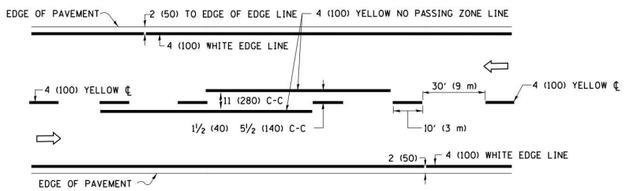
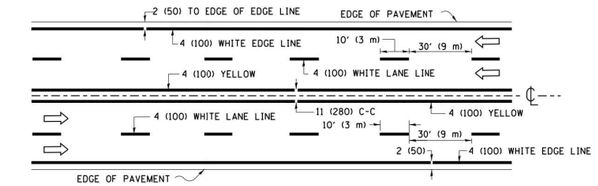
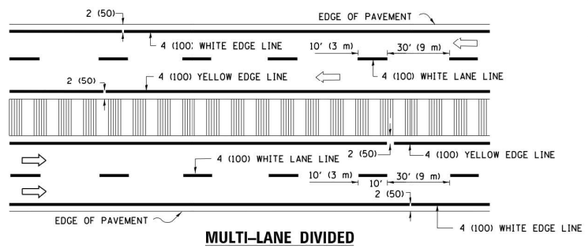


2–LANE ROADWAY

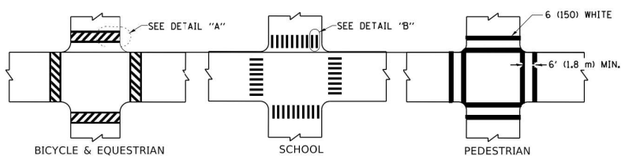


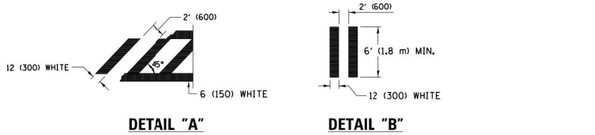
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

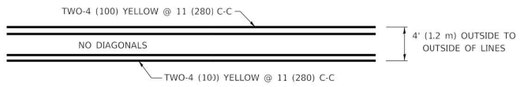




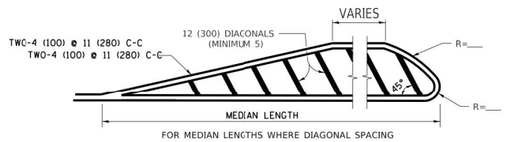
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



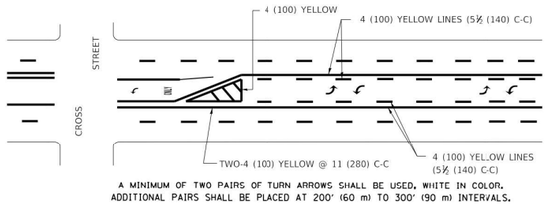
4' (1.2 m) WIDE MEDIANS ONLY



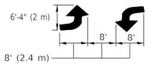
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

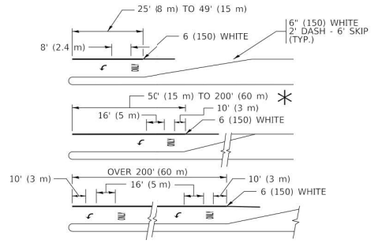


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

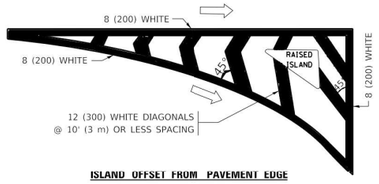


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

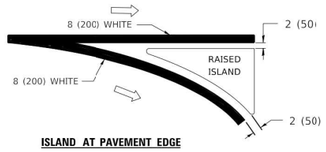
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

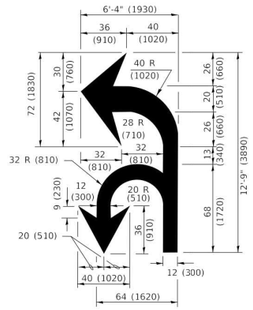


ISLAND OFFSET FROM PAVEMENT EDGE

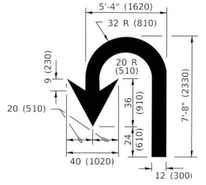


ISLAND AT PAVEMENT EDGE

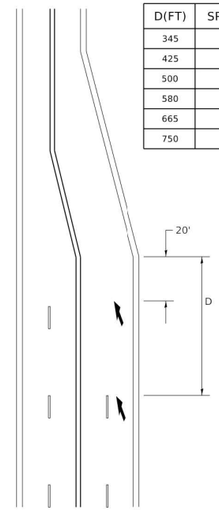
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (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; 5½ (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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

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PLOT DATE = 3/4/2019	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 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	26
	TC-13	CONTRACT NO. 61H39		
		ILLINOIS FED. AID PROJECT		

tc13.dgn 3/4/2019 10:34:37 AM User=footemj

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

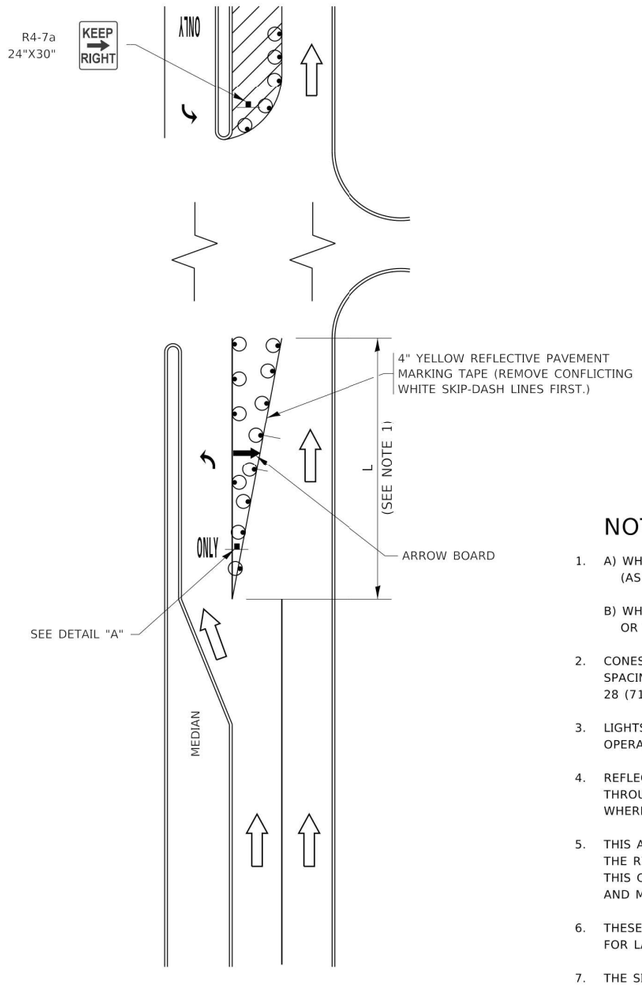


FIGURE 1

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 330) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

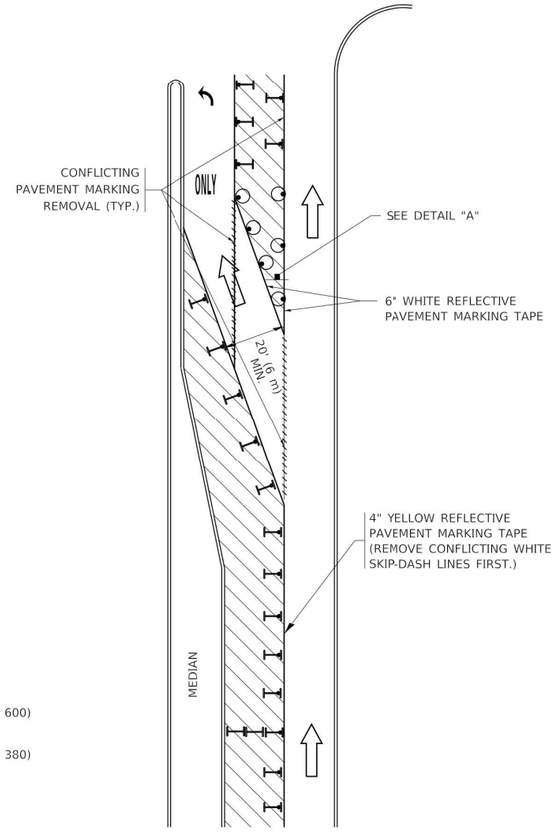
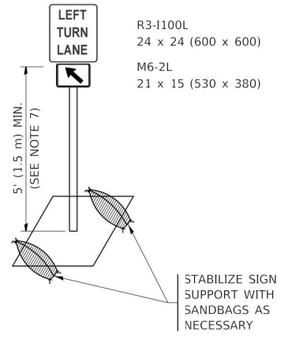


FIGURE 2



DETAIL A

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

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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 -	

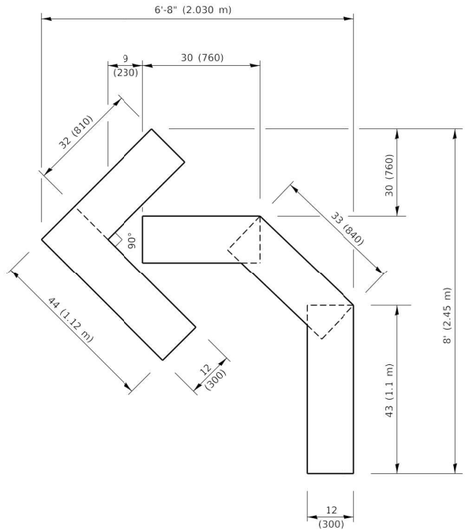
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

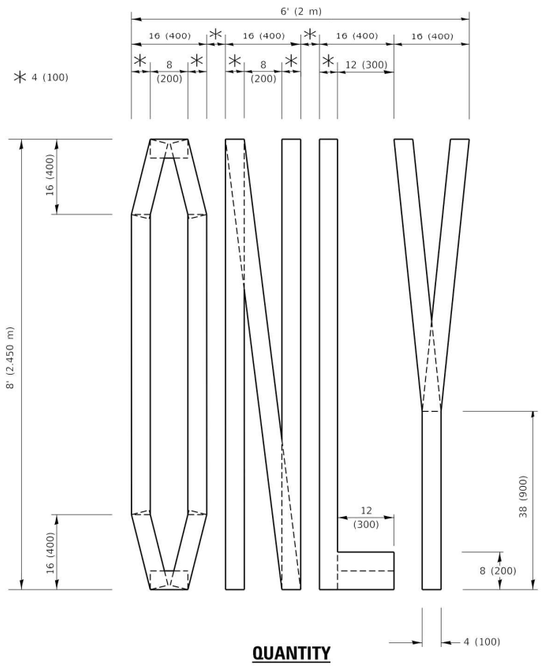
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	27
	TC-14	CONTRACT NO. 61H39		
	ILLINOIS FED. AID PROJECT			

tc14.dan 3/4/2019 10:36:01 AM User=footemj



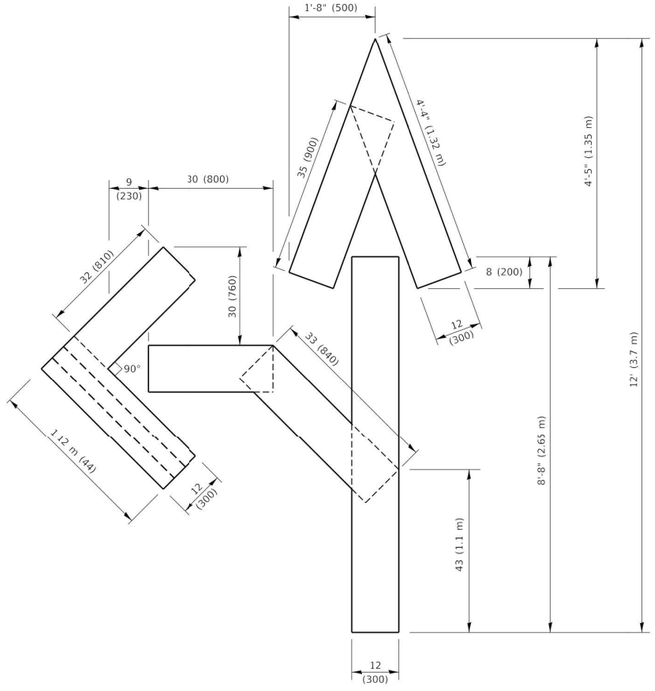
QUANTITY

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)

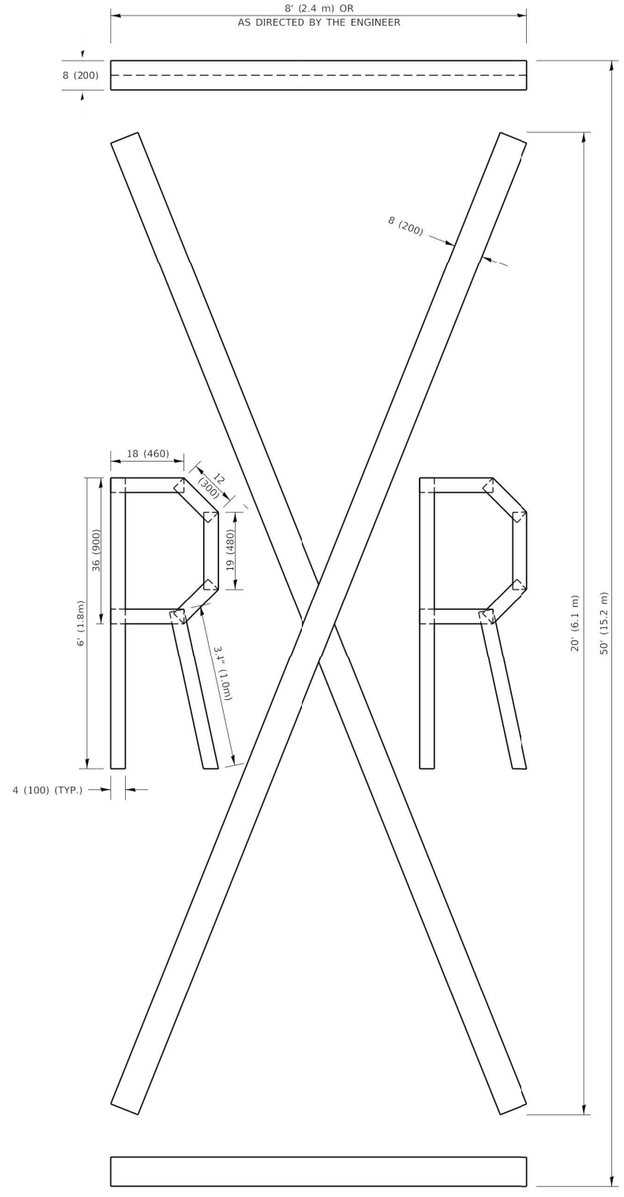


QUANTITY

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.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	28
	TC-16	CONTRACT NO. 61H39		
	ILLINOIS FED. AID PROJECT			

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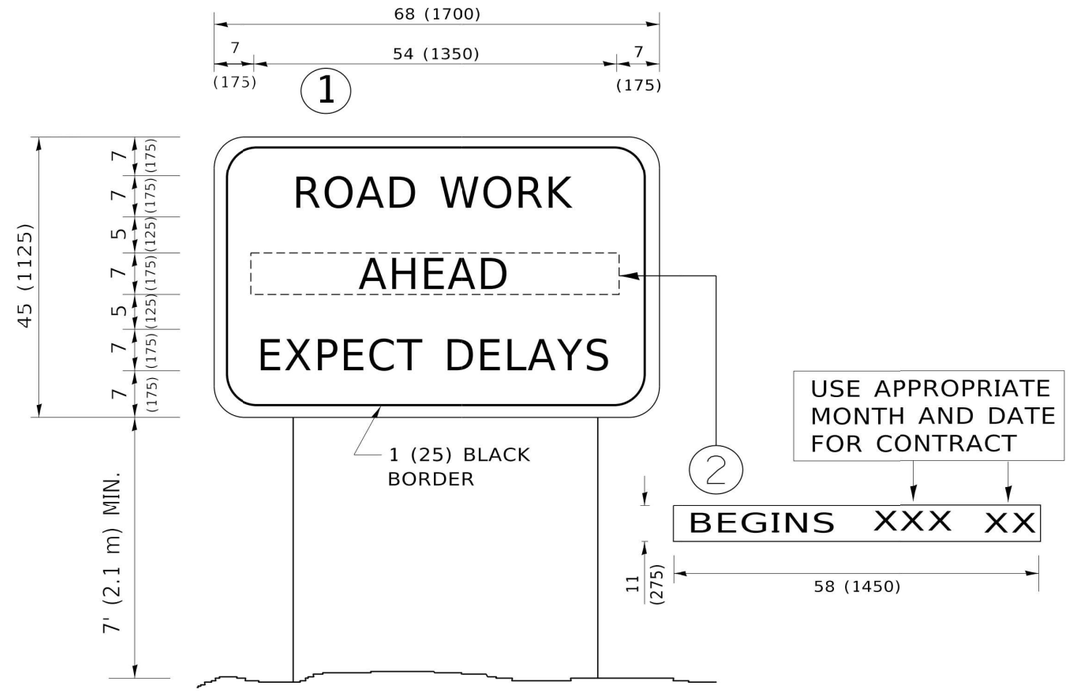

NOTES:

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.

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	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.
2637	19-00114-00-RS	DuPAGE	32	29
	TC-22	CONTRACT NO. 61H39		
		ILLINOIS FED. AID PROJECT		

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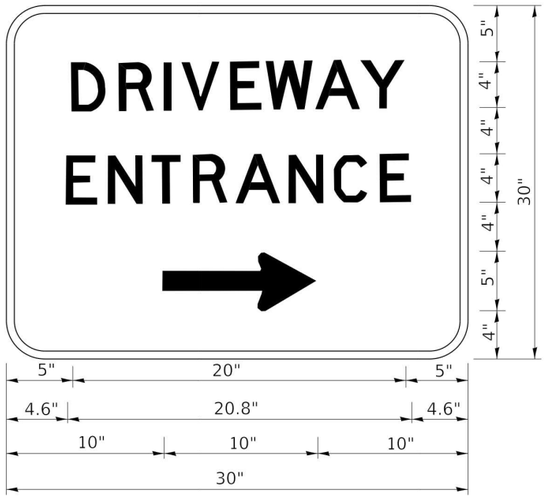


3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

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

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	30
	TC–26	CONTRACT NO. 61H39		
	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.

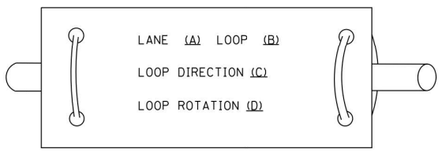
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES 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.

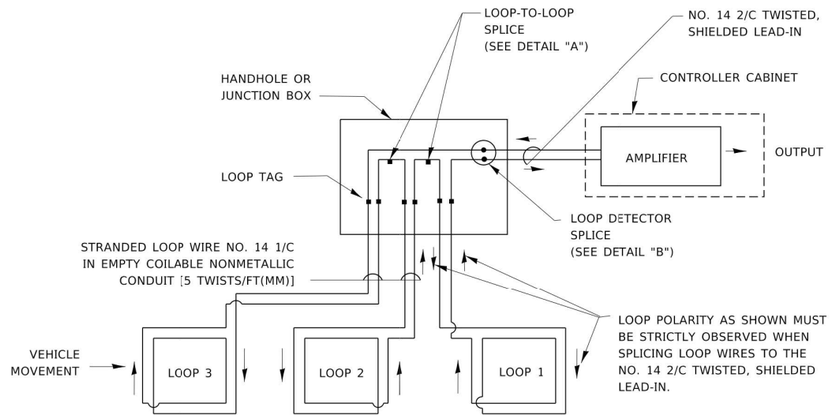
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

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

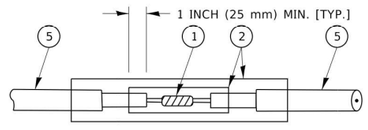


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

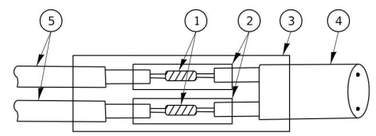


DETECTOR LOOP WIRING SCHEMATIC

- 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.

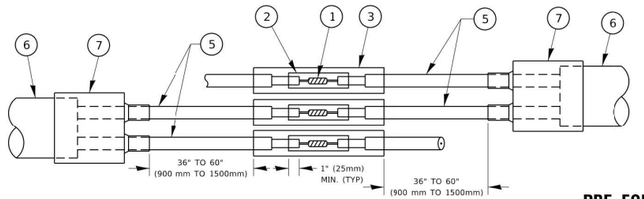


DETAIL "A"
LOOP-TO-LOOP SPLICE



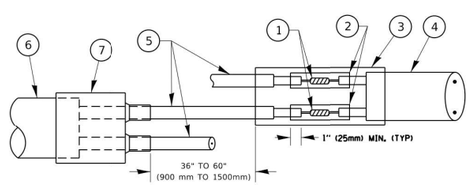
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	31
	TS–05	CONTRACT NO. 61H39		
		ILLINOIS FED. AID PROJECT		

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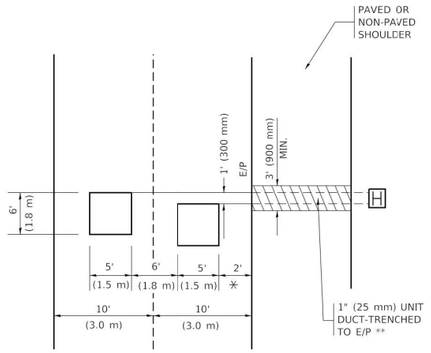
ts05.dan 3/4/2019 11:22:18 AM User=footemj

LOOPS NEXT TO SHOULDERS

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



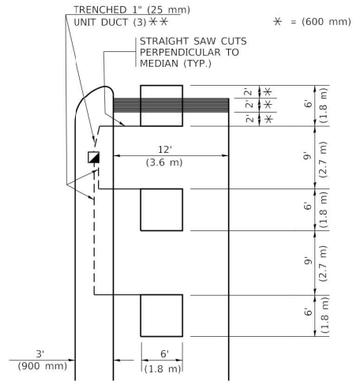
✳ = (600 mm)

✳✳ 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.



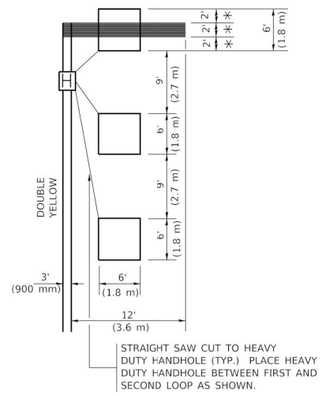
✳✳ UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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 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.

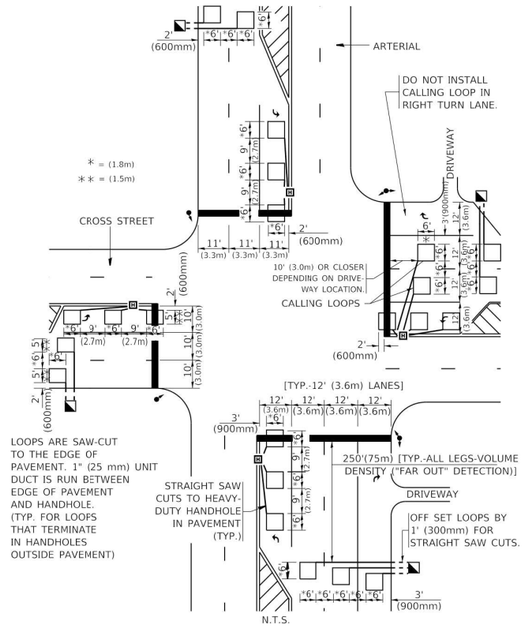
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

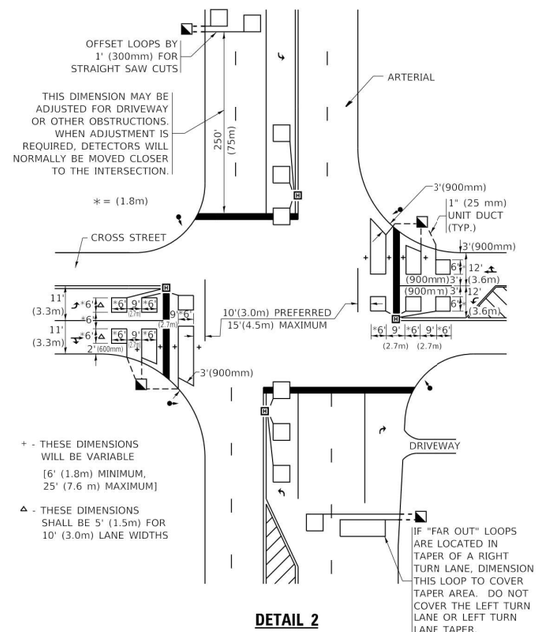
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2637	19-00114-00-RS	DuPAGE	32	32
	TS-07	CONTRACT NO. 61H39		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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