

09-18-2026 LETTING ITEM 032

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

DOUGLAS AVENUE /
DOUGLAS ROAD:
DESIGN DESIGNATION
MINOR ARTERIAL / MAJOR COLLECTOR
DESIGN SPEED = 35 M.P.H. - 40 M.P.H.
POSTED SPEED = 30 M.P.H. - 35 M.P.H.
ADT (2023) = 17,800 / 9,600 VPD

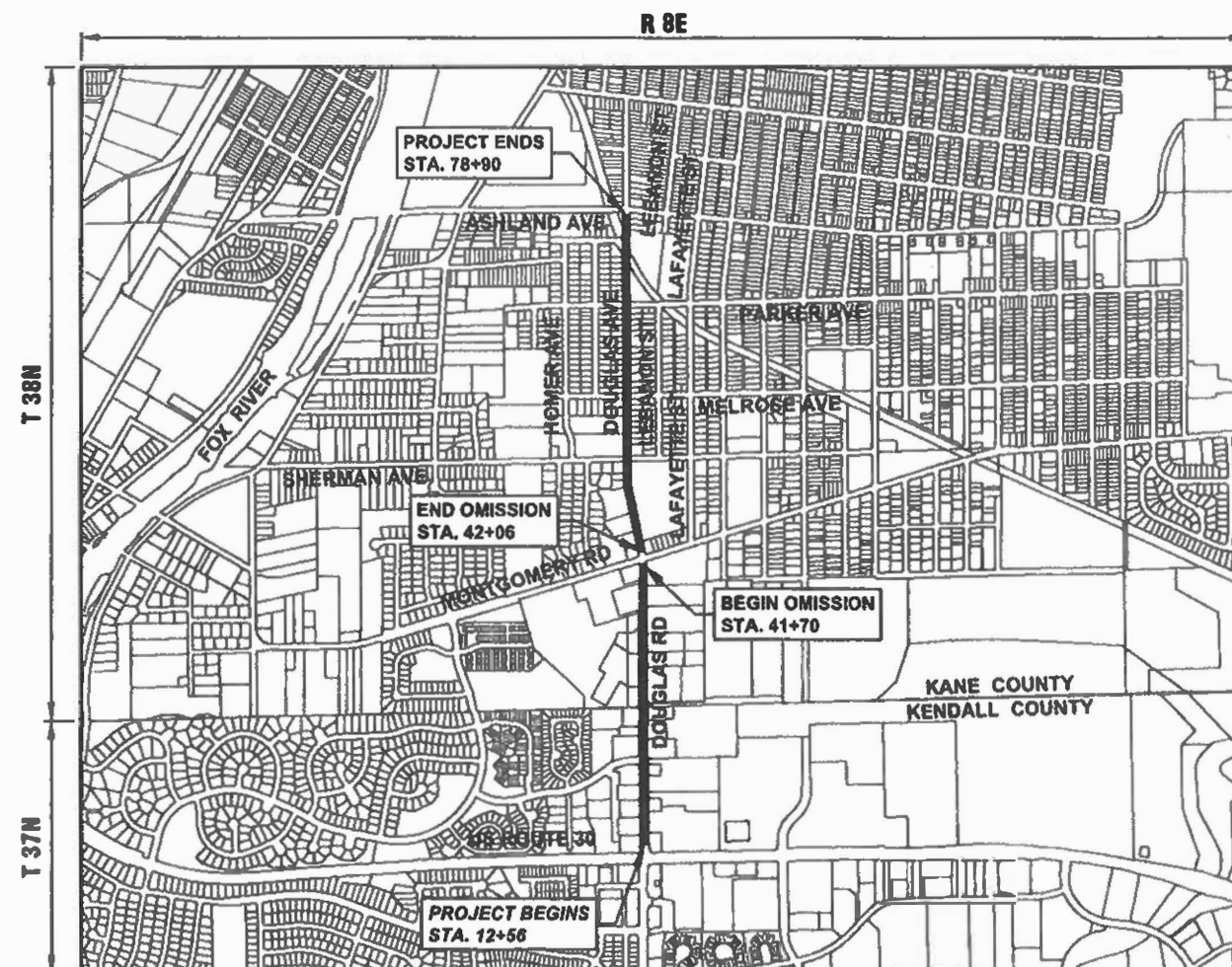


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



CONTRACT NO. 61M68

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY**
FAU 2508 (DOUGLAS AVENUE / DOUGLAS ROAD)
ASHLAND AVE TO US ROUTE 30
ROADWAY RESURFACING
SECTION 25-00064-00-RS
PROJECT NUMBER: C01E(003)
VILLAGE OF MONTGOMERY / CITY OF AURORA
KANE & KENDALL COUNTY
JOB NO. C-91-247-26



LOCATION MAP (SCALE 1"=1000')
SECTION 33 & 34, T38N, R8E, AURORA TOWNSHIP
SECTION 3 & 4, T37N, R8E, OSWEGO TOWNSHIP
GROSS LENGTH OF PROJECT = 6,634 FEET (1.256 MILES)
NET LENGTH OF PROJECT = 6,598 FEET (1.250 MILES)

1" = 1000'



LOCATION OF SECTION INDICATED THIS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED July 8, 2026
VILLAGE OF MONTGOMERY, DIRECTOR OF PUBLIC WORKS
APPROVED July 8, 2026
CITY OF AURORA, ENGINEERING COORDINATOR
PASSED July 13, 2026
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR DID
BASED ON LIMITED
REVIEW July 14, 2026

DATE: 6-5-2026
Christopher J. Ott
LICENSE
EXPIRES: NOVEMBER 20, 2027
SHEETS: 1-28



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
Phone: (630) 466-6700

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

FILE NAME = H:\ESD\PROJ\MD_MONTGOMERY\2025\MD2542\DWG_FINAL_ENG\MD2542_COVER
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 02 General Notes

INDEX OF SHEETS	
1.	COVER SHEET
2.	INDEX OF SHEETS, DETAILS, HIGHWAY STANDARDS, AND GENERAL NOTES
3.-6.	SUMMARY OF QUANTITIES
7.-9.	TYPICAL SECTIONS
10.-16.	RESURFACING PLAN
17.	VILLAGE DETAILS
18.-28.	IDOT DISTRICT 1 DETAILS

IDOT HIGHWAY STANDARDS	
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE/ALLEY PEDESTRIAN CROSSING
442201-04	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATES TYPE 3
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40MPH
701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

SHEET NO.	IDOT DISTRICT ONE STANDARD DETAILS
18.	(BD-08) FRAMES AND LIDS ADJUSTMENT WITH MILLING
19.	(BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
20.	(BD-24) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
21.	(BD-32) BUTT JOINTS AND HMA TAPER DETAILS
22.	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
23.	(TC-11) RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
24.	(TC-13) TYPICAL PAVEMENT MARKINGS
25.	(TC-16) SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
26.	(TC-22) ARTERIAL ROAD INFORMATION SIGN
27.	(TS-01) STANDARD TRAFFIC SIGNAL DESIGN DETAILS
28.	(TS-07) DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2022 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2026, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION" ILLINOIS", SEVENTH EDITION, THE CODES AND ORDINANCES OF THE VILLAGE OF MONTGOMERY, ILLINOIS AND CITY OF AURORA, ILLINOIS, THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE PLANS

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE OWNER IF ANY UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS. THE CONTRACTOR WILL BE REQUIRED TO GET ALL WATER FROM THE VILLAGE'S PUBLIC WORKS FACILITY AT 981 KNELL ROAD.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, FIELD TILES AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND NOT NECESSARY COMPLETE: THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE"(JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).

IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

STAKING

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

MISCELLANEOUS

THE THICKNESS OF ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE ASPHALT MIXTURES ARE TO BE PLACED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

THE ENGINEER IS NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET AND DRIVEWAY ACCESS TO EACH ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL DISPOSE OF AND REMOVE FROM THE SITE EACH DAY ALL CURB AND GUTTER, PAVEMENT AND ALL OTHER EXCAVATED MATERIAL NOT FOR SALVAGE.

THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

SIDEWALK REMOVAL AND REPLACEMENT AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AS SHOWN ON THE PLANS IS FOR INFORMATIONAL PURPOSES ONLY. ACTUAL LOCATIONS AND QUANTITIES ARE TO BE DETERMINED AND MARKED BY THE ENGINEER PRIOR TO CONSTRUCTION.

ALL EXISTING SIGNS (INCLUDING THOSE LOCATED ON UTILITY/LIGHT POLES) THAT DO NOT CONFLICT WITH THE IMPROVEMENTS SHALL REMAIN IN PLACE UNLESS DIRECTED BY THE ENGINEER.

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 REQUIREMENT STATED HEREIN.

SUPPLEMENTAL LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT-JOINT
	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
	COMB CONC C&G REMOVAL AND REPLACEMENT
	SIDEWALK REMOVAL
	SIDEWALK REMOVAL AND PORTLAND CEMENT CONCRETE SIDEWALK, 5'

COMMITMENTS

ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIR SHALL REMAIN IN THE RIGHT-OF-WAY. ANY SOIL SHALL BE PLACED IN THE PARKWAY NEAR STA 38+40 RT AND/OR STA 53+25 RT.

USER NAME = Alice Maupin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 7, 2026 @ 3:30 PM	DATE -	REVISED -

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-R5	KANE & KENDALL	28	2
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				

Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 03 SQ

FILE NAME = H:\SDS\PROJ\MO-MONTICOURT\2025\MO2542.DWG FINAL ENG\MO2542-COVER

	CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY
				75% FEDERAL 25% LOCAL 0005
Δ	20101100	TREE TRUNK PROTECTION	EACH	16
Δ	20101200	TREE ROOT PRUNING	EACH	16
—	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,560
—	25200110	SODDING, SALT TOLERANT	SQ YD	1,560
—	25200200	SUPPLEMENTAL WATERING	UNIT	50
—	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	35
—	28000510	INLET FILTERS	EACH	80
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	24,590
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	17,260
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2,000
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4,070
	42400200	PORTLAND CEMENT SIDEWALK, 5 INCH	SQ FT	9,490
	42400800	DETECTABLE WARNING	SQ FT	585

Δ INDICATES SPECIALTY ITEM

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PLOT DATE = July 7, 2026 @ 3:30 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 1 OF 4 SHEETS	STA. N/A	TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	3
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				

FILE H:\SDS\PROJ\MO-MONTICOURT\2025\MO2542.DWG FINAL ENG\MO2542-COVER

FILE NAME = H:\SDS\PROJ\MOJ_MONTGOMERY\2025\MO2542\DWG_FINAL_ENG\M02542_COVER
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 04_SQ

	CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY
				75% FEDERAL 25% LOCAL 0005
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,871
	44000600	SIDEWALK REMOVAL	SQ FT	9,490
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	545
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	545
Δ	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1
	60260100	INLETS TO BE ADJUSTED	EACH	34
	60404300	FRAME AND GRATES, TYPE 3	EACH	1
	60406000	FRAME AND LIDS, TYPE 1, OPEN LID	EACH	3
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
	60603800	COMBINATION CURB AND GUTTER, TYPE B-6.12	FOOT	2,871
	67100100	MOBILIZATION	L SUM	1
	70102520	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102522	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1
	70102532	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1
	70102535	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1

Δ INDICATES SPECIALTY ITEM



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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 7, 2026 @ 3:30 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA. N/A TO STA. N/A	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25+00064-00-RS	KANE & KENDALL	28	4
CONTRACT NO. 61M6B				
ILLINOIS FED. AID PROJECT				

FILE NAME = H:\SDS\PROJ\MO_MONTGOMERY\2025\MO2542\DWG_FINAL_ENG\M02542_COVER.dwg Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin Model Name: 05 SQO

	CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY
				75% FEDERAL 25% LOCAL 0005
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	240
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,200
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,400
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	300
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	4,200
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	200
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	717.8
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,833
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,029
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,090
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	284
Δ	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	22
Δ	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,140
Δ	78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	382

Δ INDICATES SPECIALTY ITEM

FILE NAME = H:\SDS\PROJ\MO_MONTGOMERY\2025\MO2542\DWG_FINAL_ENG\M02542_COVER.dwg

FILE NAME = H:\SDS\PROJ\NO_MONTGOMERY\2025\002542.DWG FINAL ENG\002542_COVER Plotted: July 7, 2025 @ 3:30 PM By: Alice Maupin - Model Name: 06 500

	CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY
				75% FEDERAL 25% LOCAL 0005
Δ	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	400
Δ	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	29
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	222
Δ	89502376	REBUILD EXISTING HANDHOLE	EACH	1
Δ	K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	36,335
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	18
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	26
	X7200051	TEMPORARY INFORMATION SIGNING	SQ FT	102.8
Δ	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	219
Δ	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	747
	XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	605

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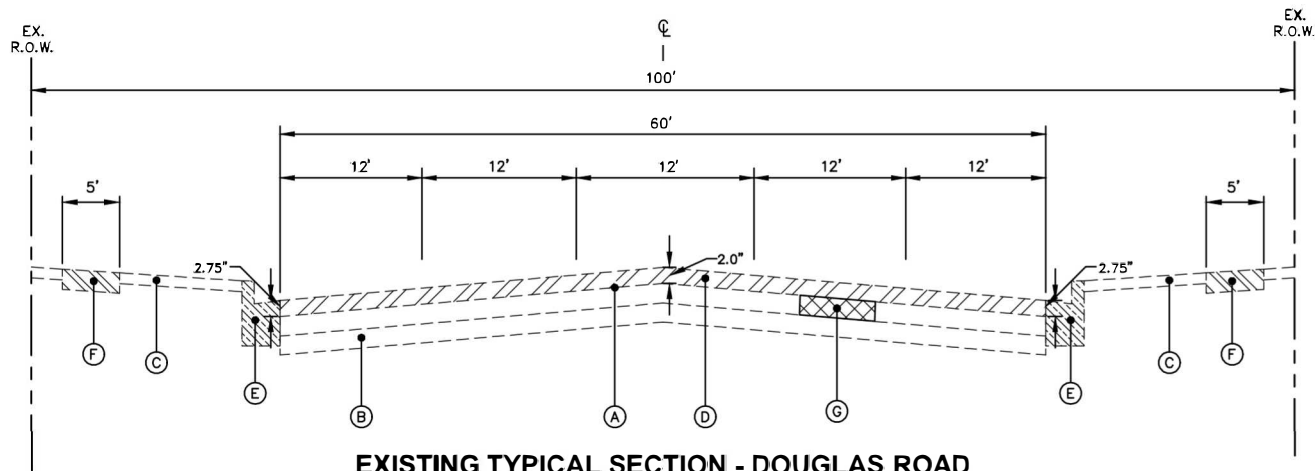
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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 7, 2025 @ 3:30 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 4 OF 4 SHEETS	STA. N/A	TO STA. N/A

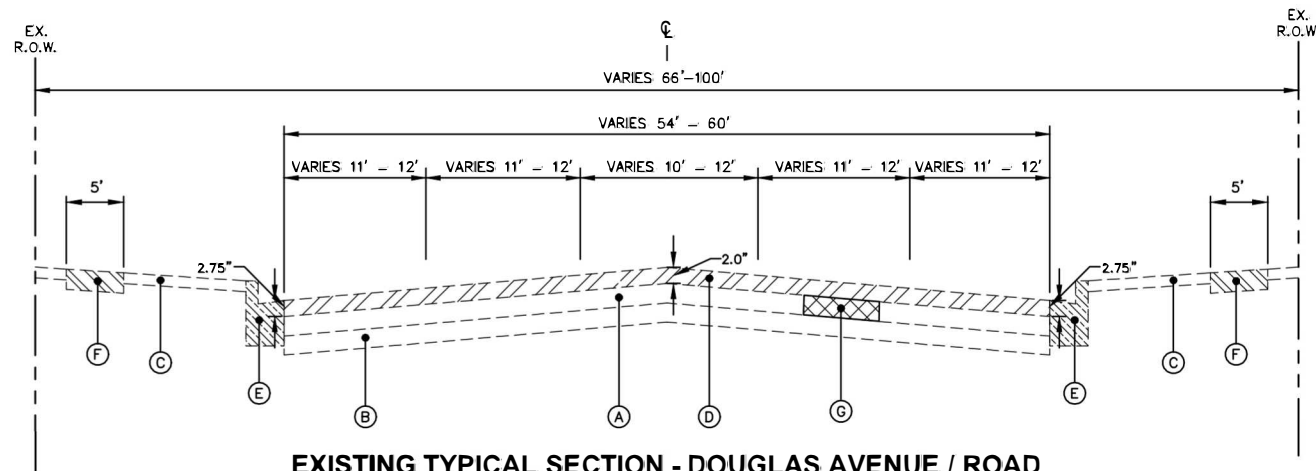
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	6
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				

FILE NAME = H:\SEK\PROJ\MOV\TOWERS\2025\MO2542.DWG: FINAL: ENG: MO2542 - COVER
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 07 Typical Section 1



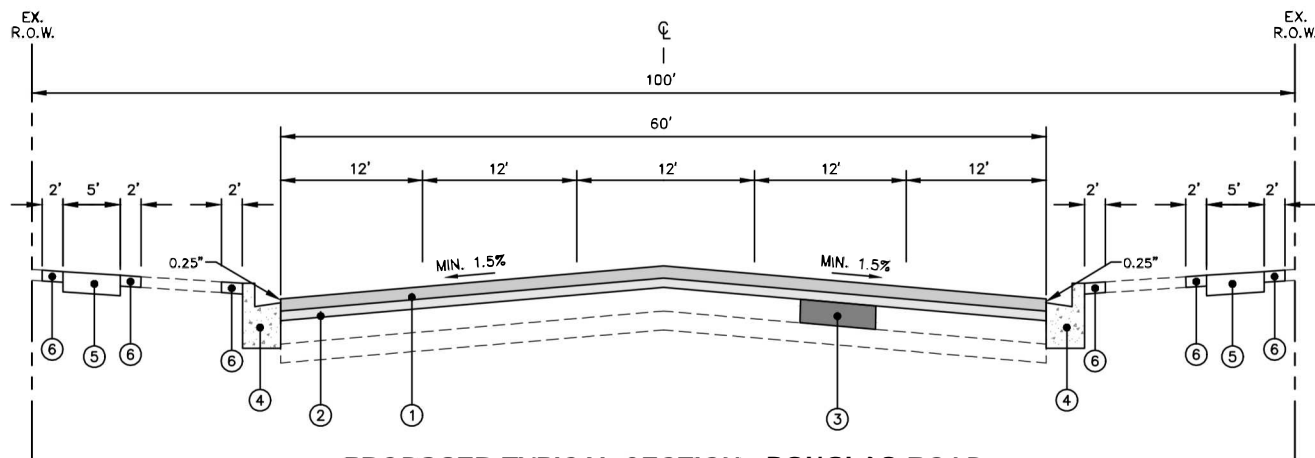
EXISTING TYPICAL SECTION - DOUGLAS ROAD

STA 12+56 TO STA 27+25



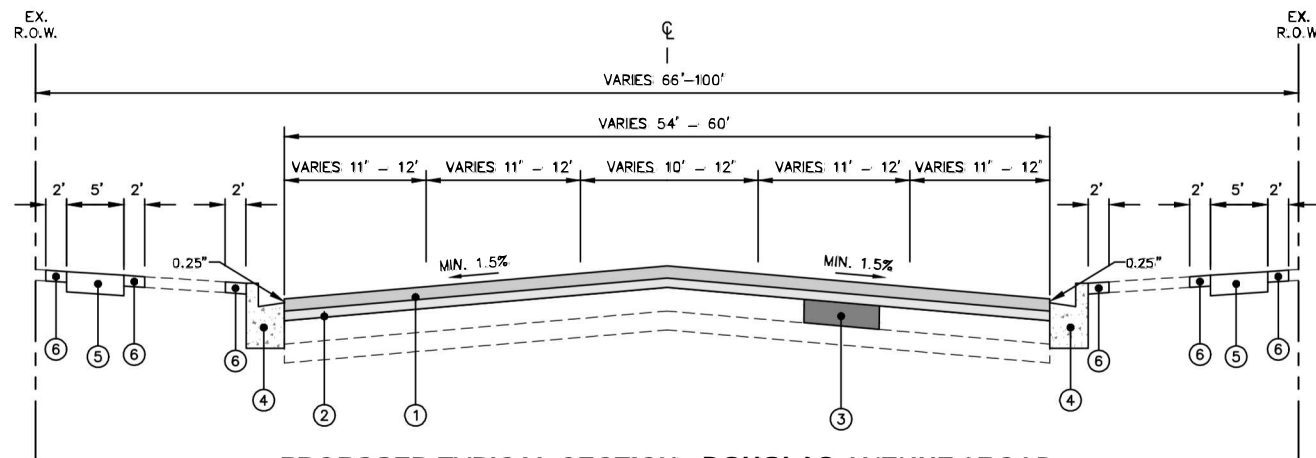
EXISTING TYPICAL SECTION - DOUGLAS AVENUE / ROAD

STA 27+25 TO STA 45+50
(INTERSECTION OMISSION STA 41+70 TO STA 42+06)



PROPOSED TYPICAL SECTION - DOUGLAS ROAD

STA 12+56 TO STA 27+25



PROPOSED TYPICAL SECTION - DOUGLAS AVENUE / ROAD

STA 27+25 TO STA 45+50
(INTERSECTION OMISSION STA 41+70 TO STA 42+06)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N _{des}	QMP
PAVEMENT RESURFACING	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 Gyr.	LR1030-2
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2.0"	4% @ 70 Gyr.	LR1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9"	4% @ 70 Gyr.	LR1030-2
HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (2 LIFTS)	4% @ 50 Gyr.	LR1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE
QUANTITIES IS 112 LBS/SQ YD/INCH.

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.

EXISTING LEGEND	
(A)	EXISTING HOT-MIX ASPHALT PAVEMENT (9" - 14.75")
(B)	EXISTING AGGREGATE BASE COURSE (3" - 12")
(C)	EXISTING PARKWAY
(D)	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (2"-2.75")
(E)	EXISTING COMBINATION CONCRETE CURB & GUTTER
(F)	EXISTING SIDEWALK
(G)	CLASS D PATCH, 9" REMOVAL

PROPOSED LEGEND	
(1)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
(2)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
(3)	CLASS D PATCHES, 9" (LOCATIONS TO BE DETERMINED BY ENGINEER)
(4)	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
(5)	PORTLAND CEMENT CONCRETE SIDEWALKS, 5" REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
(6)	TOPSOIL AND SODDING, SALT TOLERANT

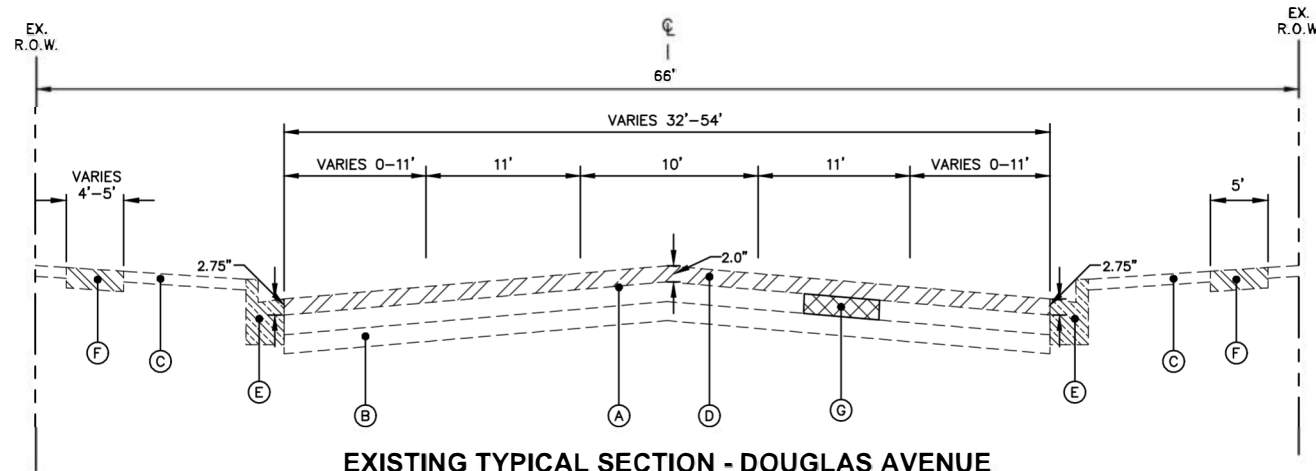
NOTES:
THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD
OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED
DURING CONSTRUCTION.

NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE R.O.W.

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

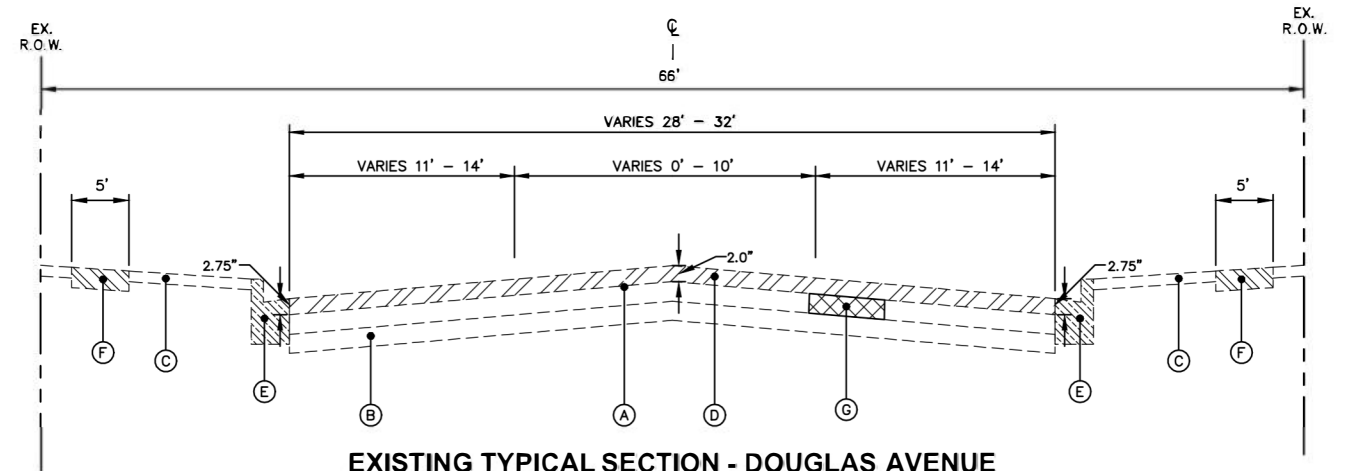
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 08 Typical Section 2

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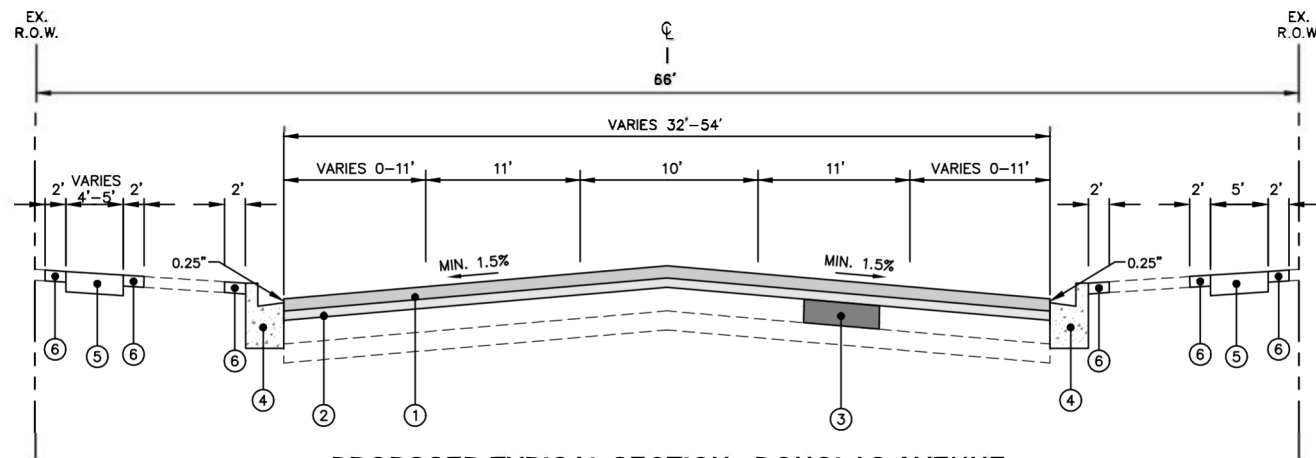
EXISTING TYPICAL SECTION - DOUGLAS AVENUE

STA 45+50 TO STA 49+17



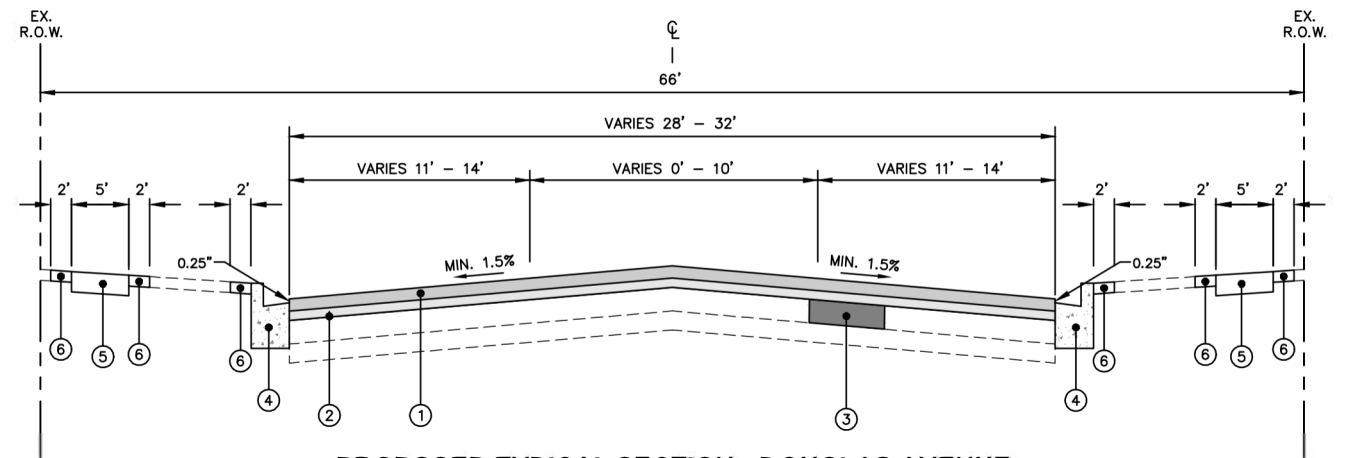
EXISTING TYPICAL SECTION - DOUGLAS AVENUE

STA 49+17 TO STA 56+30



PROPOSED TYPICAL SECTION - DOUGLAS AVENUE

STA 45+50 TO STA 49+17



PROPOSED TYPICAL SECTION - DOUGLAS AVENUE

STA 49+17 TO STA 56+30

- EXISTING LEGEND**
- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (9" - 14.75")
 - (B) EXISTING AGGREGATE BASE COURSE (3" - 12")
 - (C) EXISTING PARKWAY
 - (D) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (2"-2.75")
 - (E) EXISTING COMBINATION CONCRETE CURB & GUTTER
 - (F) EXISTING SIDEWALK
 - (G) CLASS D PATCH, 9" REMOVAL

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
 - (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - (3) CLASS D PATCHES, 9" (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (5) PORTLAND CEMENT CONCRETE SIDEWALKS, 5" REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (6) TOPSOIL AND SODDING, SALT TOLERANT

NOTES:
THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION.

NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE R.O.W.

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

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.455.6700 / www.eeiweb.com

USER NAME = Alice Maupin
PLOT SCALE =
PLOT DATE = July 7, 2026 @ 3:30 PM

DESIGNED -
DRAWN -
CHECKED -
DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

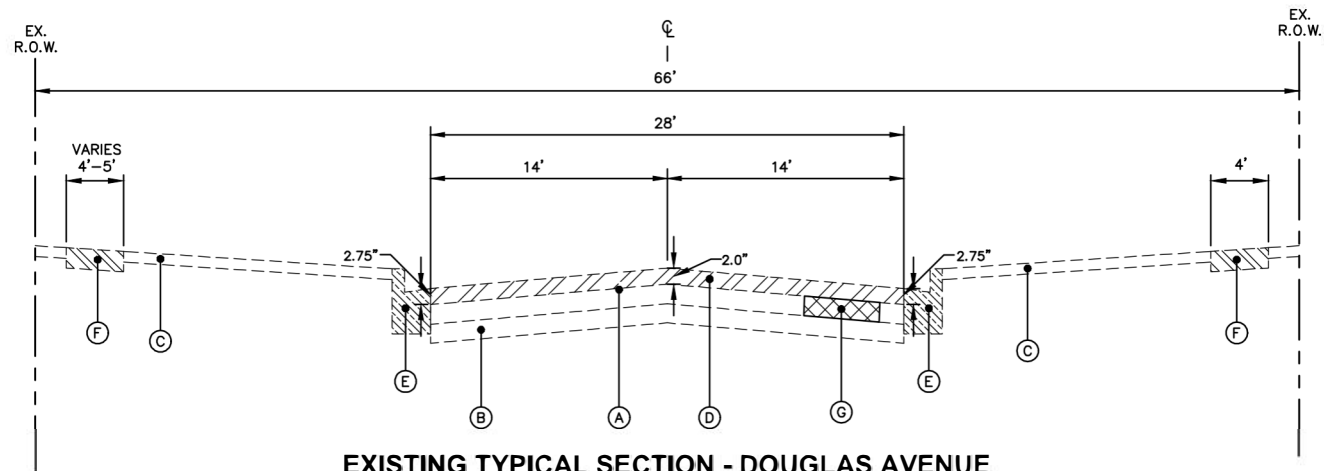
TYPICAL SECTIONS

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	8
CONTRACT NO. 6IM68				
ILLINOIS FED. AID PROJECT				

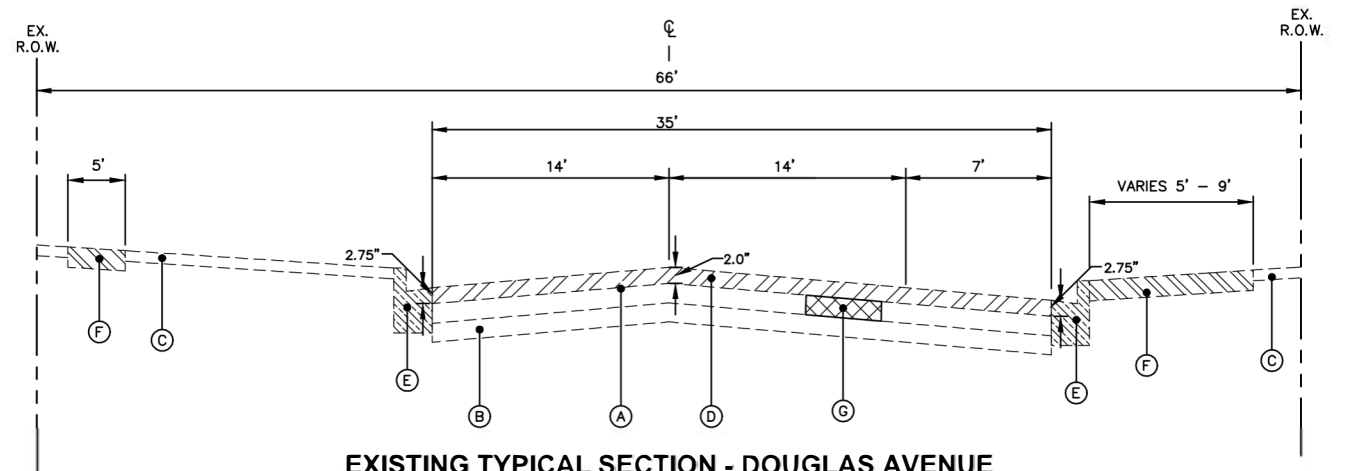
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 03 Typical Section 3

FILE NAME = H:\SDS\PROJ\MOI-MONITOR\COVER\2025\MO2542.DWG FINAL ENG MO2542-COVER



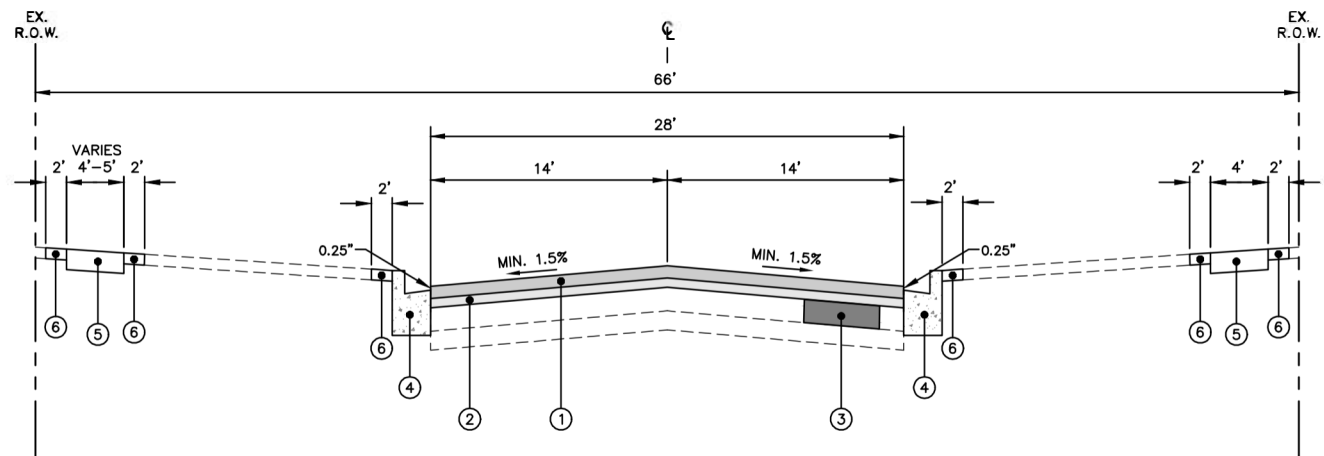
EXISTING TYPICAL SECTION - DOUGLAS AVENUE

STA 56+30 TO STA 71+85



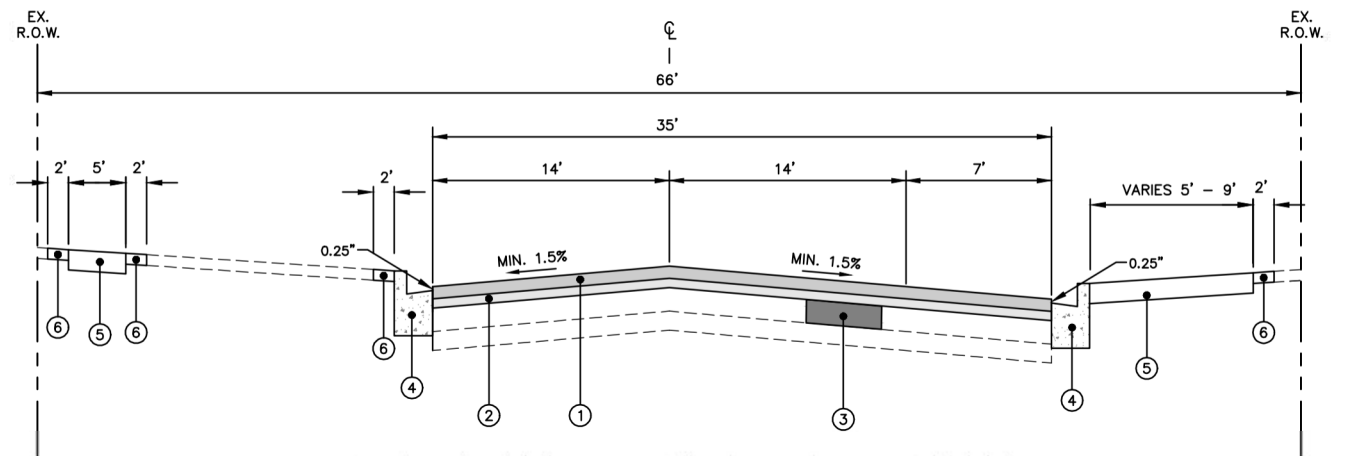
EXISTING TYPICAL SECTION - DOUGLAS AVENUE

STA 71+85 TO STA 78+90



PROPOSED TYPICAL SECTION - DOUGLAS AVENUE

STA 56+30 TO STA 71+85



PROPOSED TYPICAL SECTION - DOUGLAS AVENUE

STA 71+85 TO STA 78+90

- EXISTING LEGEND**
- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (9" - 14.75")
 - (B) EXISTING AGGREGATE BASE COURSE (3" - 12")
 - (A) EXISTING PARKWAY
 - (D) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (2"-2.75")
 - (E) EXISTING COMBINATION CONCRETE CURB & GUTTER
 - (F) EXISTING SIDEWALK
 - (G) CLASS D PATCH, 9" REMOVAL

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
 - (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - (3) CLASS D PATCHES, 9" (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (5) PORTLAND CEMENT CONCRETE SIDEWALKS, 5" REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY ENGINEER)
 - (6) TOPSOIL AND SODDING, SALT TOLERANT

NOTES:
THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION.

NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE R.O.W.

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

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CONSULTING ENGINEERS
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Sugar Grove, Illinois 60554
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USER NAME = Alice Maupin
PLOT SCALE =
PLOT DATE = July 7, 2026 @ 3:30 PM

DESIGNED -
DRAWN -
CHECKED -
DATE -

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REVISED -

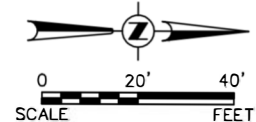
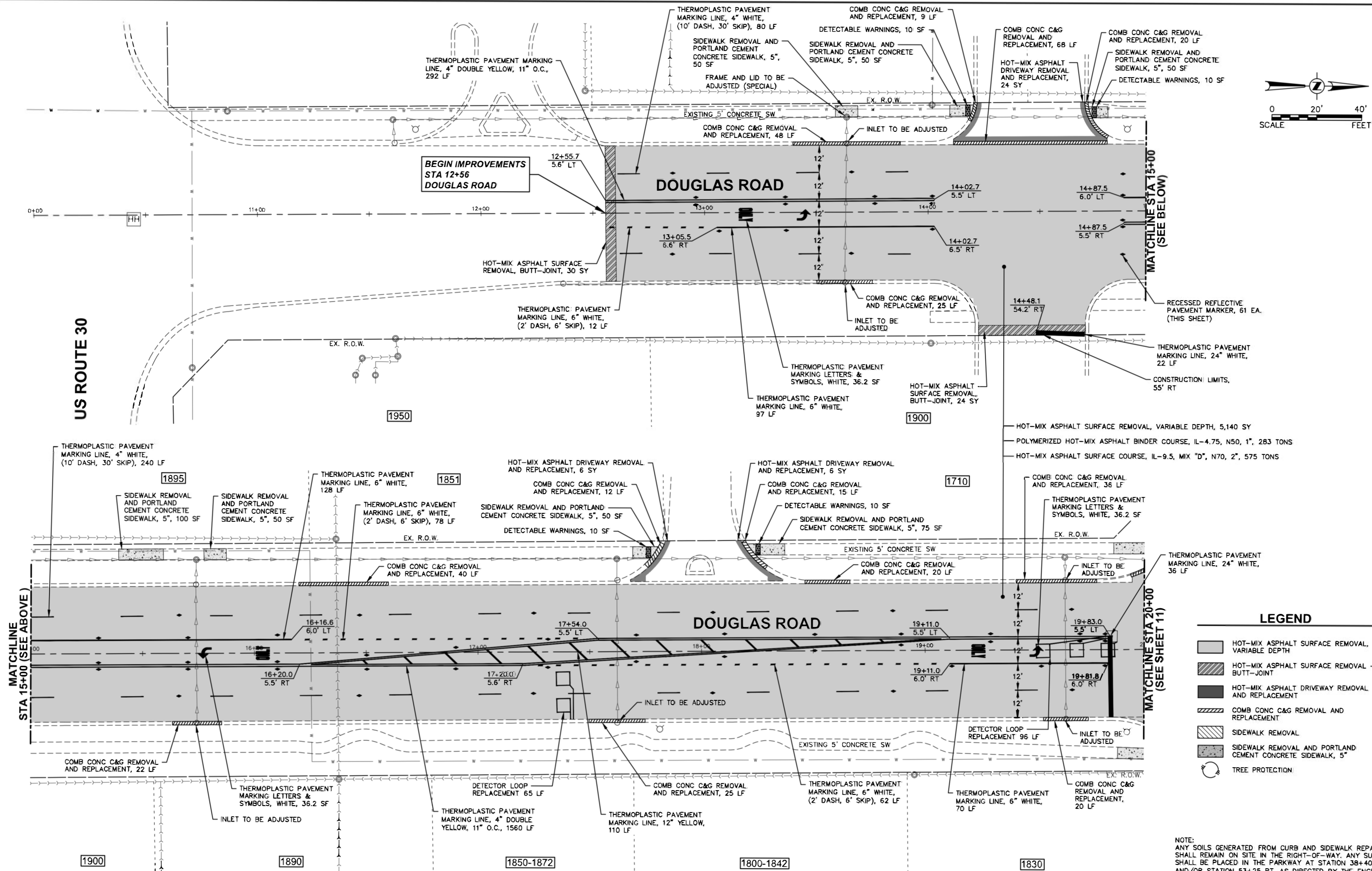
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	9
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\SDR\GROU\MO_MONTGOMERY\2025\002542\DWG_FINAL\ENG\002542-PLAN\RESURF.PLT
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 10 PLAN 01

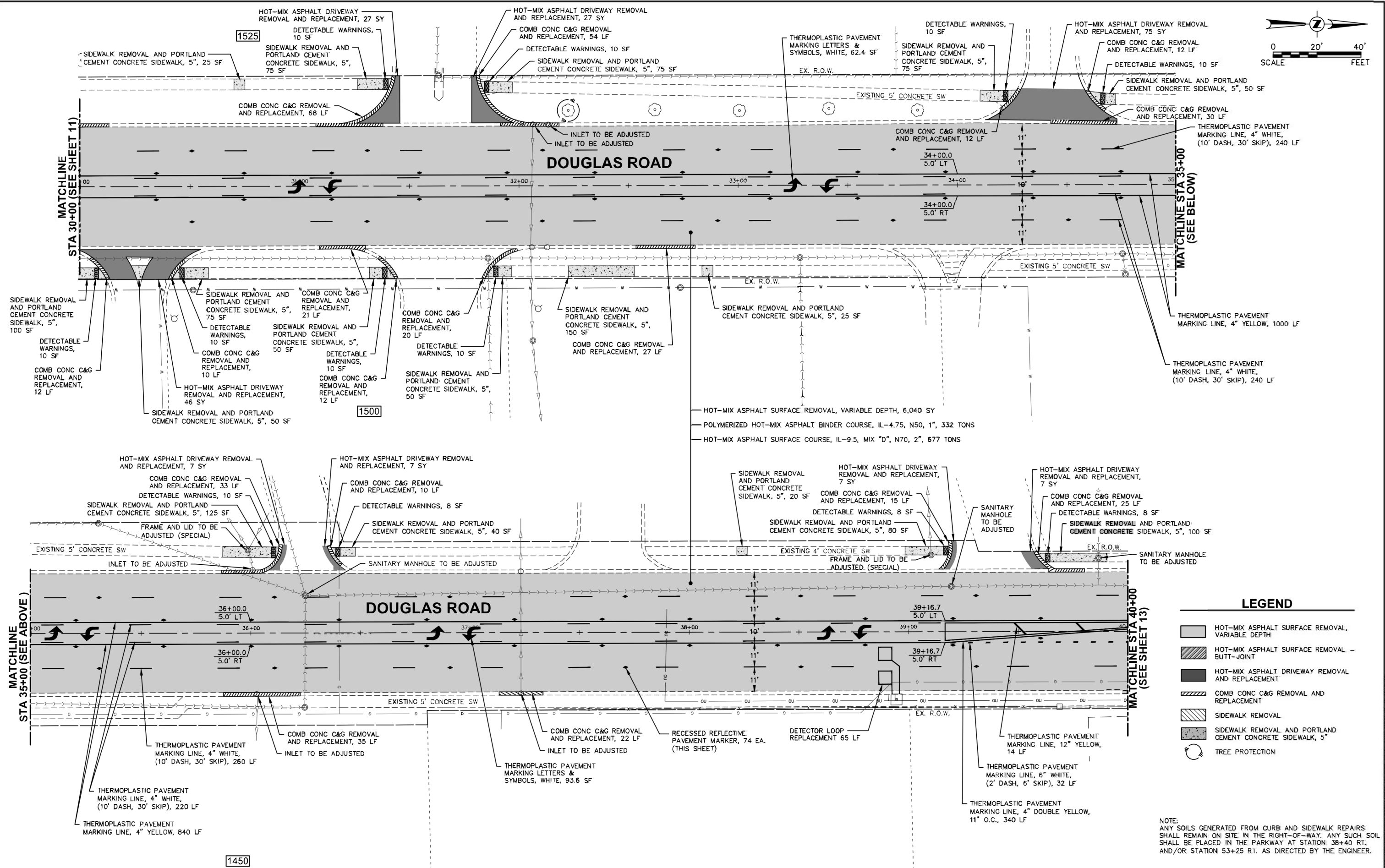


LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT-JOINT
	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
	COMB CONC C&G REMOVAL AND REPLACEMENT
	SIDEWALK REMOVAL
	SIDEWALK REMOVAL AND PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	TREE PROTECTION

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY AT STATION 38+40 RT. AND/OR STATION 53+25 RT. AS DIRECTED BY THE ENGINEER.

 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = Alice Maupin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING PLAN				F&U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						250B	25-00064-00-RS	KANE & KENDALL	28	10
	PLOT SCALE =	CHECKED -	REVISED -		CONTRACT NO. 61M6B								
	PLOT DATE = July 7, 2026 @ 3:30 PM	DATE -	REVISED -		SCALE: 1"=20'	SHEET 1 OF 7 SHEETS	STA. 12+56 TO STA. 20+00	ILLINOIS FED. AID PROJECT					

FILE NAME = H:\SCS\PROJ\MOB MONITORING\2025\MD2542\DOUG_FINAL_ENG\M2542-PLANVIEWS
Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 12 PLAN 03



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Sugar Grove, Illinois 60554
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USER NAME = Alice Maupin
PLOT SCALE =
PLOT DATE = July 7, 2026 @ 3:30 PM

DESIGNED -
DRAWN -
CHECKED -
DATE -

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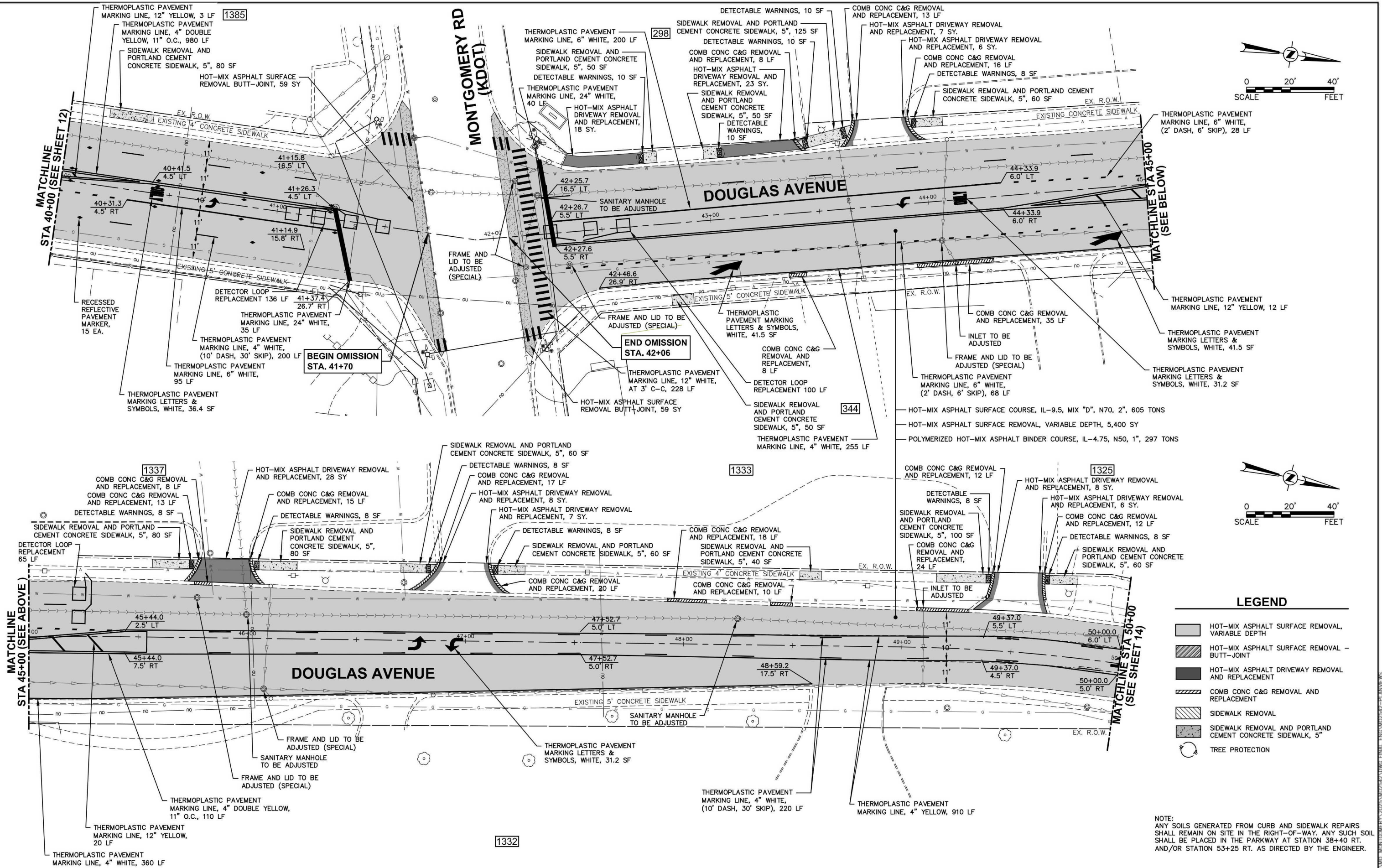
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 30+00 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	12
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				

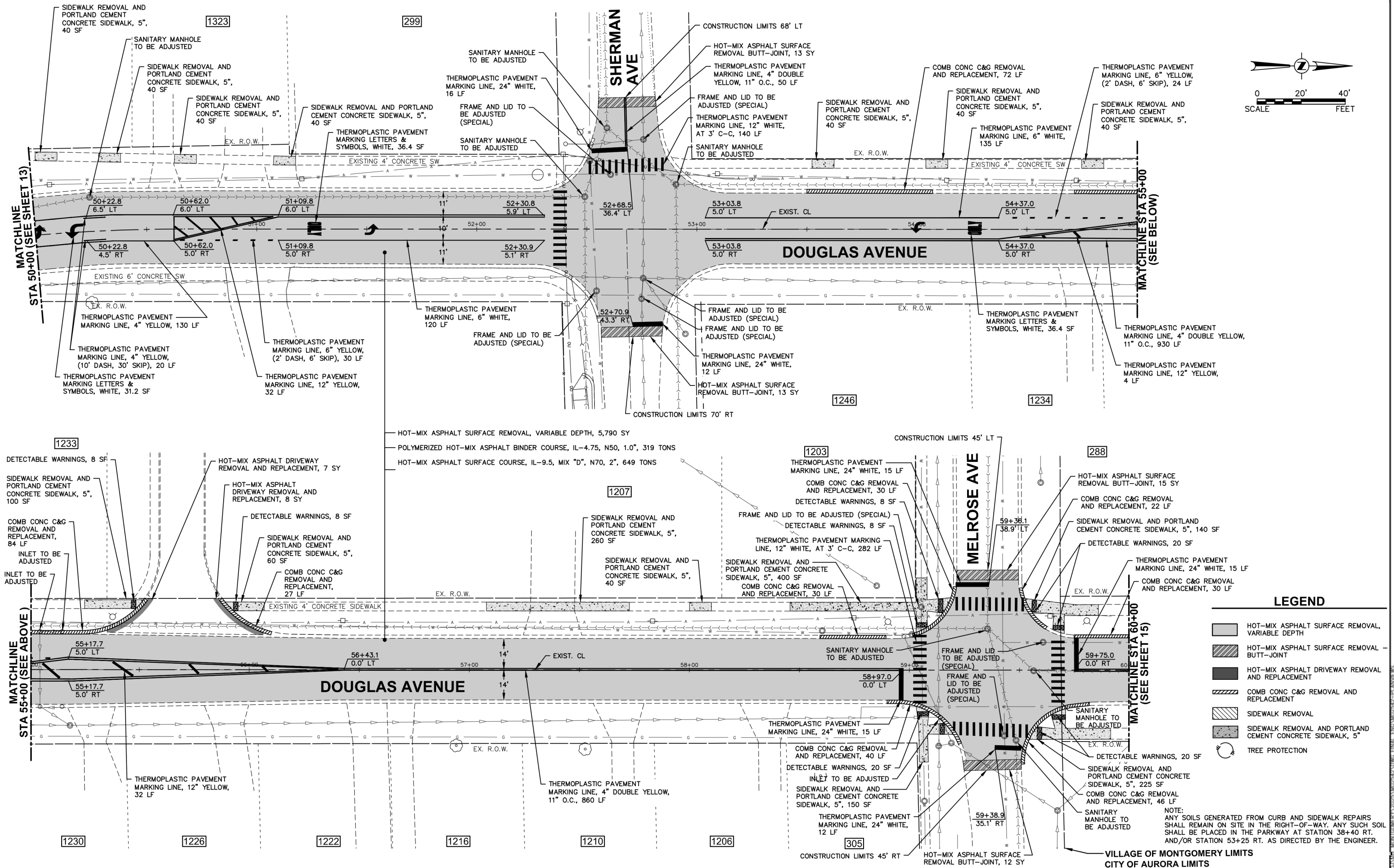
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Plotted: July 7, 2026 @ 3:30 PM By: Alice Maupin - Model Name: 13_PLAN 04



NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS
SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL
SHALL BE PLACED IN THE PARKWAY AT STATION 38+40 RT.
AND/OR STATION 53+25 RT. AS DIRECTED BY THE ENGINEER.

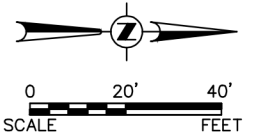
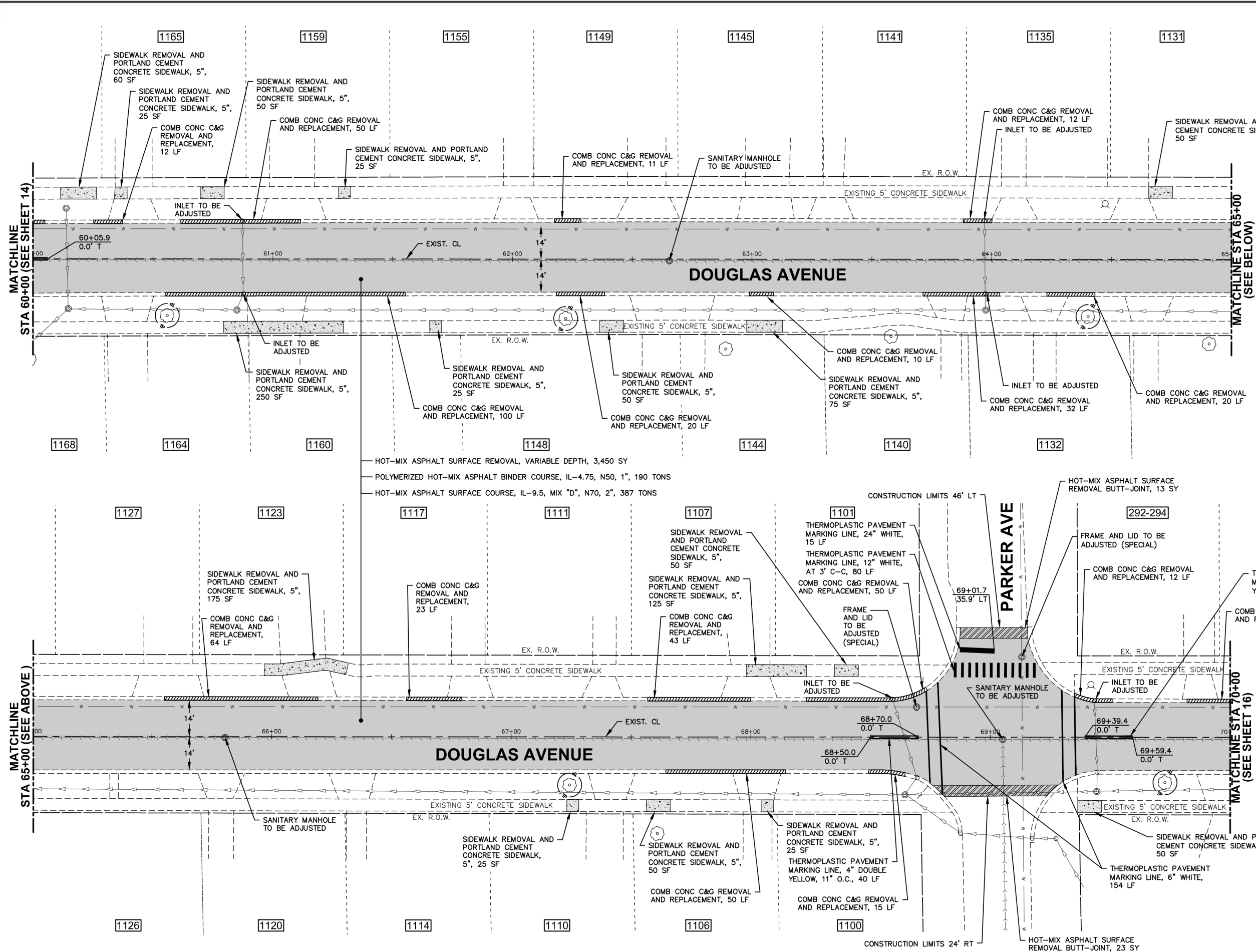
 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60054 630.466.6700 / www.eeiweb.com	USER NAME = Alice Maupin		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING PLAN				F.A.U. RTE. 2508	SECTION 25-00064-00-RS	COUNTY KANE & KENDALL	TOTAL SHEETS 28	SHEET NO. 13
			DRAWN -	REVISED -										
	PLOT SCALE =		CHECKED -	REVISED -		SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. 40+00 TO STA. 50+00								
	PLOT DATE = July 7, 2026 @ 3:30 PM		DATE -	REVISED -										
	CONTRACT NO. 6M68													
ILLINOIS FED. AID PROJECT														

FILE NAME = H:\SCS\PROJ\MO MONTGOMERY\2025\MO2542\DRG- FINAL- ENG W 02542- PLAN VIEWS
Plotted: July 7, 2025 @ 3:30 PM By: Alice Maupin - Model Name: 14 PLAN 05



 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = Alice Maupin		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -						2508	25-00064-00-RS	KANE & KENDALL	28	14
	PLOT SCALE =		CHECKED -	REVISED -		CONTRACT NO. 6M68								
	PLOT DATE = July 7, 2025 @ 3:00 PM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1"=20'		SHEET 5 OF 7 SHEETS		STA. 50+00 TO STA. 60+00					

FILE NAME = H:\SCS\PROJ\MO. MONTGOMERY\2025\MO2542\DOUG. FINAL. ENG. M.02542. PLANS\DWG. 661
Plotted: July 7, 2025 @ 3:31 PM By: Alice Maupin - Model Name: 15 PLAN 06



LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT-JOINT
	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
	COMB CONC C&G REMOVAL AND REPLACEMENT
	SIDEWALK REMOVAL
	SIDEWALK REMOVAL AND PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	TREE PROTECTION

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL SHALL BE PLACED IN THE PARKWAY AT STATION 38+40 RT. AND/OR STATION 53+25 RT. AS DIRECTED BY THE ENGINEER.

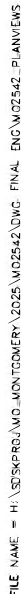
Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = Alice Maupin	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = July 7, 2025 @ 3:01 PM	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

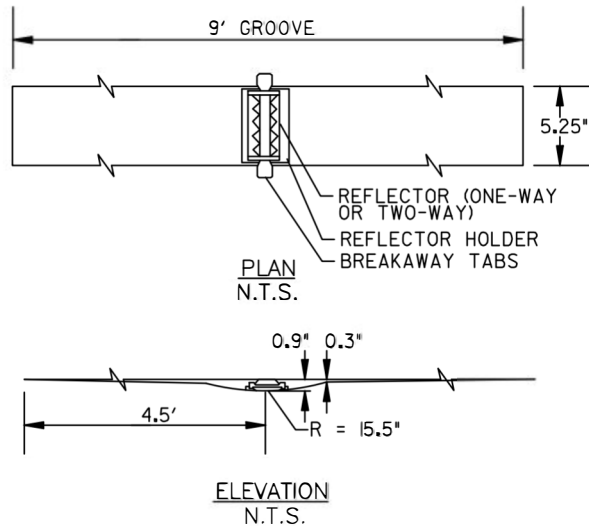
RESURFACING PLAN	
SCALE: 1"=20'	SHEET 6 OF 7 SHEETS
STA. 60+00	TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	15
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				



Plotted: July 7, 2026 @ 3:31 PM By: Alice Maupin - Model Name: 17 Village Details

FILE NAME = H:\SSP\PROJ\MO_MONTGOMERY\2025\MO2542\DWG - FINAL - ENG\MO2542-1.DWG - FINAL - ENG\MO2542-1.DWG - DOT DETAILS



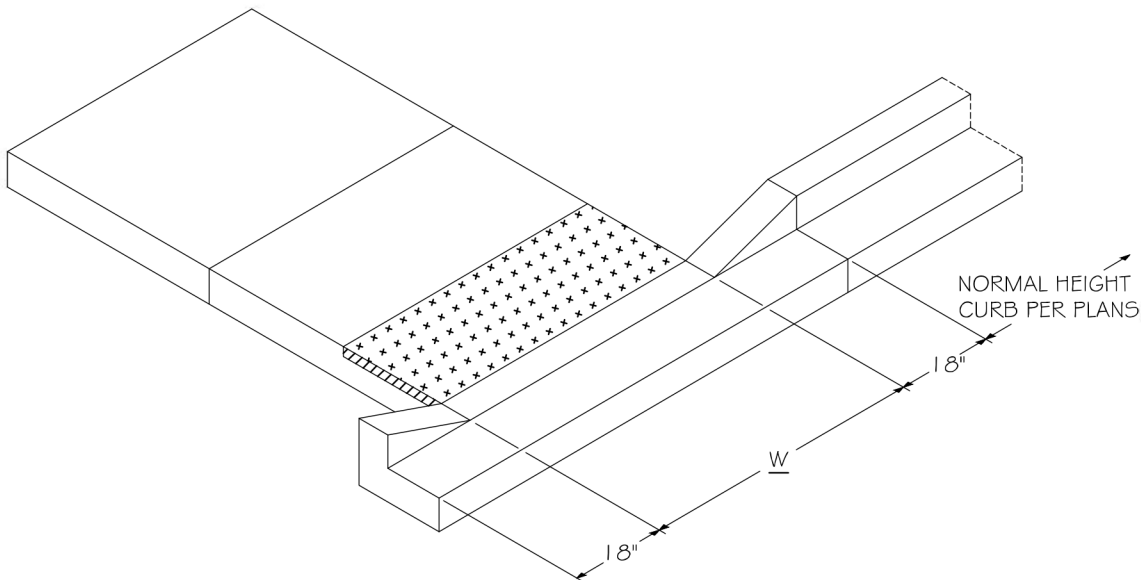
INSTALLATION NOTES:

1. SAW CUT TO DIMENSIONS SHOWN.
2. SAW CUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. REFLECTOR SHALL BE 3M SERIES 190.
5. THE REFLECTOR HOLDER SHALL BE MARKERONE SERIES R100 REFLECTOR HOLDER.
6. FOR I-WAY MARKERS HEADING UPHILL, UPHILL GRIND TAPER MAY BE OMITTED.

GENERAL NOTE:

1. MARKER PLACEMENT AND COLOR SHALL CONFORM TO IDOT DISTRICT I HIGHWAY STANDARD TC-II.

RECESSED REFLECTIVE PAVEMENT MARKERS



NOTES:

1. PLACEMENT OF DETECTABLE WARNING TILES SHALL ADHERE TO LOCATIONS & SETBACKS AS SHOWN IN IDOT HIGHWAY STANDARDS INCLUDING 424001, 424006, 424016, 424021, AND 424026 FOR VARIOUS FIELD CONDITIONS. SIDEWALK RAMP WIDTH (W) AND LAYOUT SHALL BE ACCORDING TO THESE IDOT HIGHWAY STANDARDS, EXCEPT A SIDE CURB SHALL NOT BE CONSTRUCTED IN LANDSCAPED AREAS.
2. DETECTABLE WARNING TILES SHALL BE BRICK RED AND MANUFACTURED BY ADA SOLUTIONS, INC.
3. TILES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
4. THE COLORING AND STAMPING OF CONCRETE WILL NOT BE ALLOWED.



**CURB HEAD TAPER AT PEDESTRIAN RAMP
FOR SIDEWALK IN LANDSCAPED AREAS**

SCALE: N.T.S.	DETAIL NUMBER MONT. E:\DETAILS\	DRAWN: KKP
DATE: 10/2015		REVISED:



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.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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.

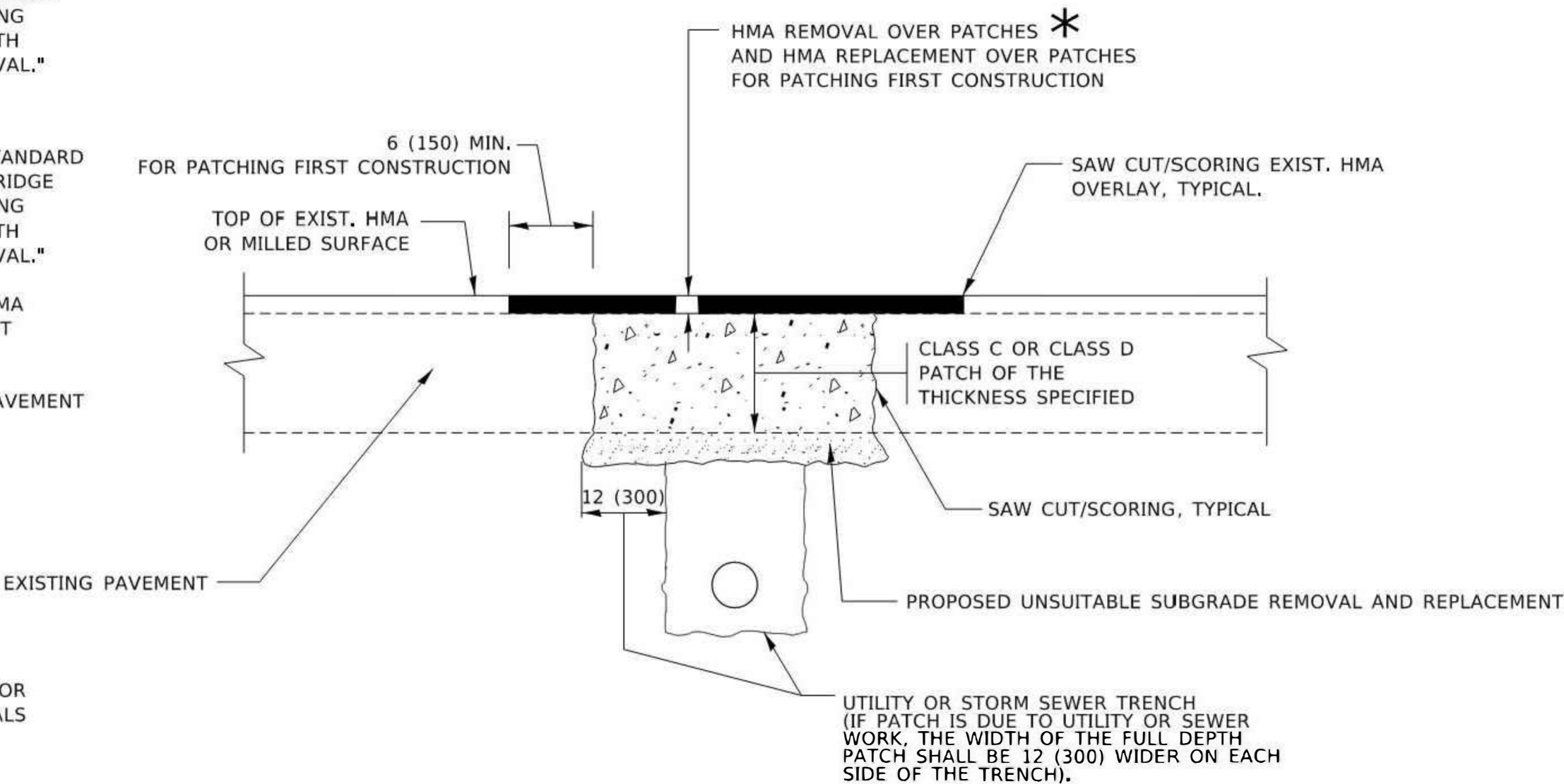
 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60054 630.466.6700 / www.eeiweb.com	USER NAME = Lawrence.DeManche DESIGNED - R. SHAH DRAWN - R. BORO 03-09-11 PLOT SCALE = 100.0000' / in. PLOT DATE = 9/15/2023	DESIGNED - R. SHAH DRAWN - R. BORO 12-06-11 CHECKED - R. SMITH 11-18-22 DATE = 10-25-94	REVISED - R. BORO 03-09-11 REVISED - R. BORO 12-06-11 REVISED - K. SMITH 11-18-22 REVISED - K. SMITH 09-15-23	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING						F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								2508	25-00064-00-RS	KANE & KENDALL	28	18						
									BD600-03 [BD-08]		CONTRACT NO.61M68							
					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA N/A	TO STA N/A			ILLINOIS FED. AID PROJECT					

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

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

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 830.466.6700 / www.eeweb.com

	DESIGNED - R. SHAH	REVISED - R. BORO 02-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	SCALE: NONE	SHEET 3 OF 1 SHEETS	STA. N/A TO STA. N/A	DATE: 11/18/2022	SECTION: 25-00064-00-RS	COUNTY: KANE & KENDALL	TOTAL SHEETS: 28	SHEET NO.: 19
	DRAWN -	REVISED - R. BORO 02-04-07						PROJECT: BD400-04 (BD-22)	CONTRACT NO: 61M68			
	CHECKED -	REVISED - K. FONG 10-27-08						PROJECT: BD400-04 (BD-22)	CONTRACT NO: 61M68			
	DATE: 10-25-04	REVISED - K. SMITH 11-18-22						PROJECT: BD400-04 (BD-22)	CONTRACT NO: 61M68			

MODEL: TC-10 (Sheet)
FILE NAME: c:\pwworkspace\demanche\Illinois 9\000951415\TC-10.dgn



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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = lawrence.demanche
PLOT SCALE = 0.08333317" / in.
PLOT DATE = 10/2/2025

DESIGNED = L.H.A.
DRAWN =
CHECKED =
DATE = 06-89

REVISED = T. RAMMACHER 01-06-00
REVISED = A. SCHUETZE 07-01-13
REVISED = A. SCHUETZE 09-15-06
REVISED = D. SENDERAK 05-03-25

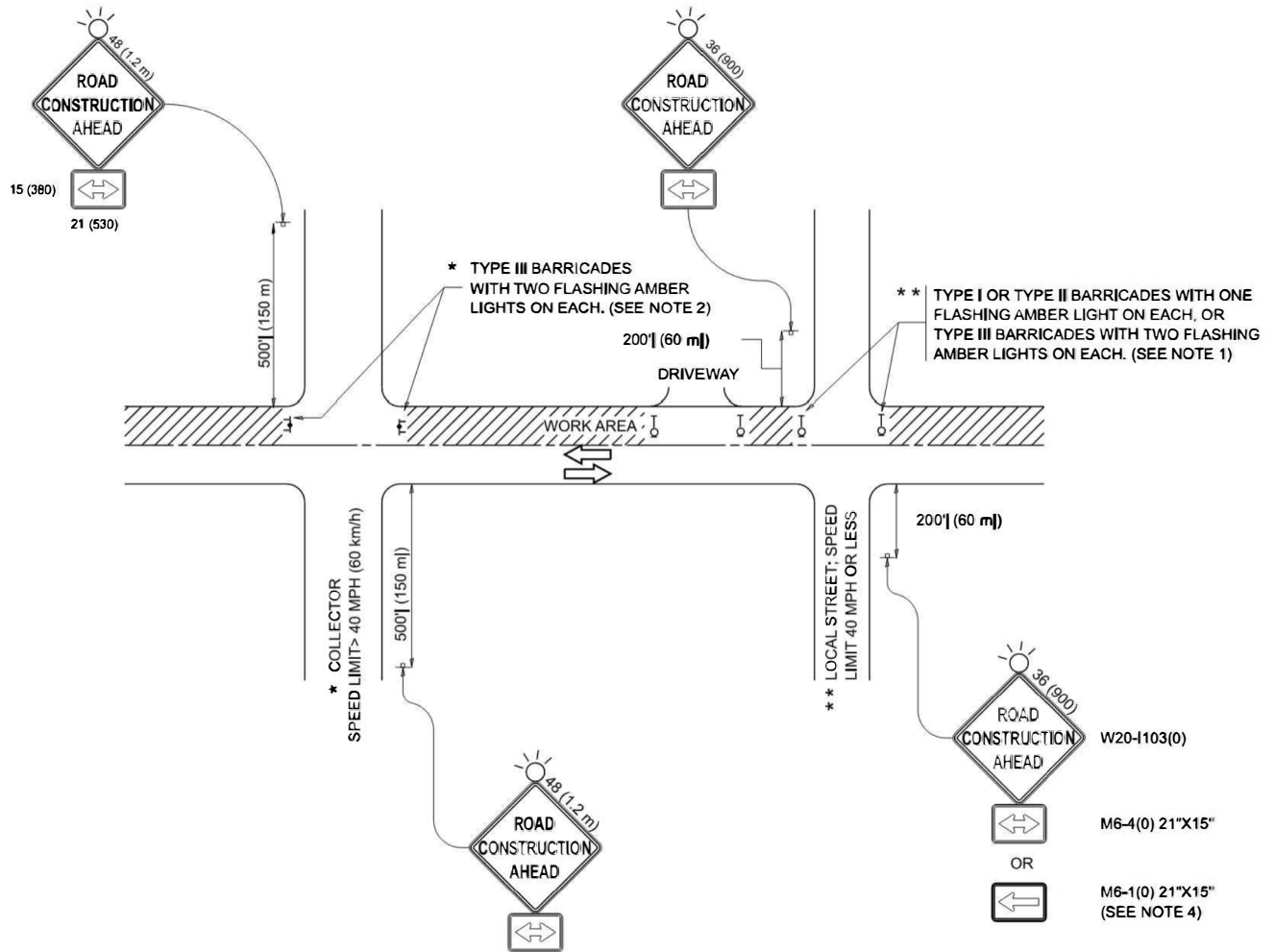
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. N/A TO STA. N/A

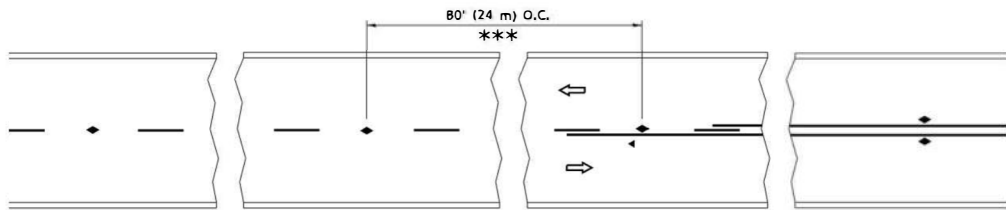
All dimensions are in inches (millimeters)
unless otherwise shown.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	22
TC-10				
CONTRACT NO. 61M68				
ILLINOIS FED. AID PROJECT				



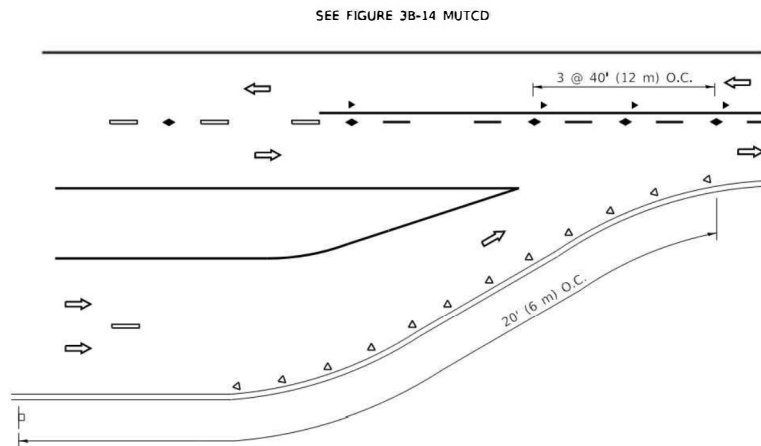
NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

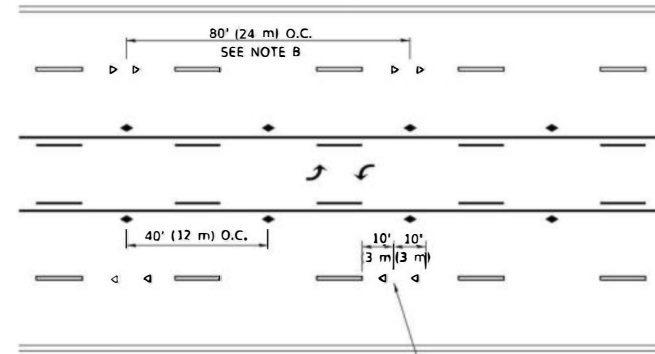


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

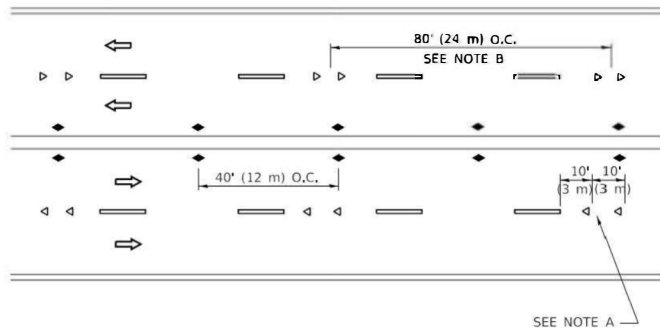
TWO-LANE/TWO-WAY



LANE REDUCTION TRANSITION

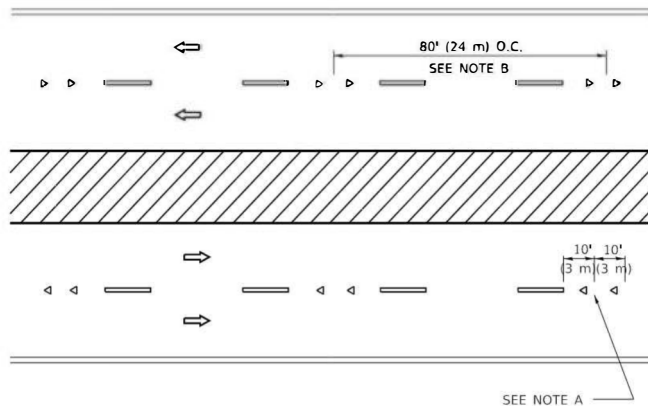


TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

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

LANE MARKER NOTES

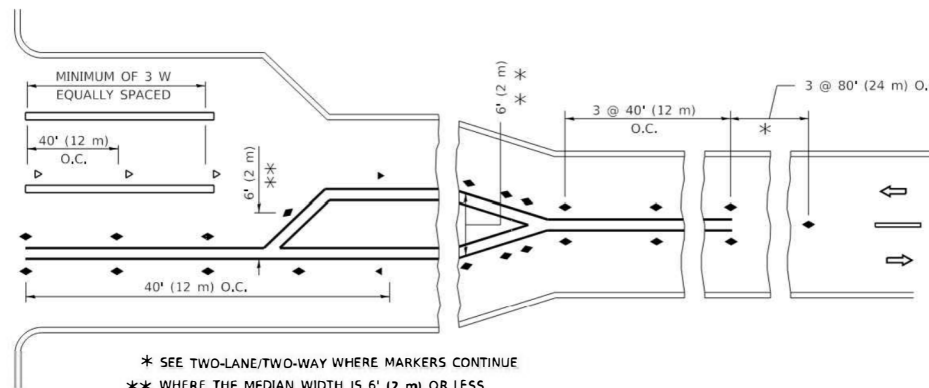
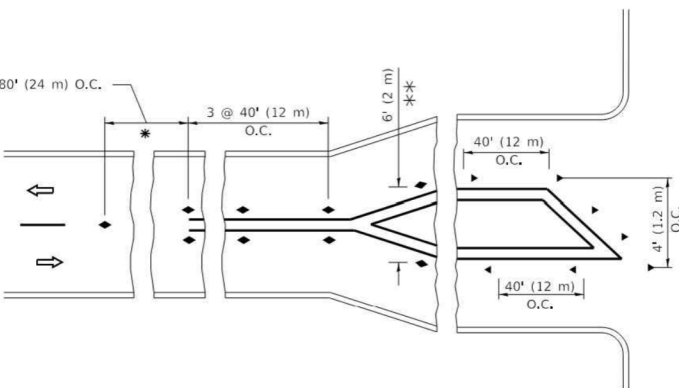
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

DESIGN NOTES

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



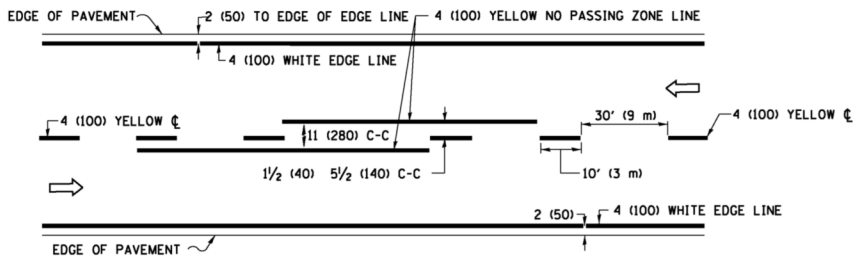
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

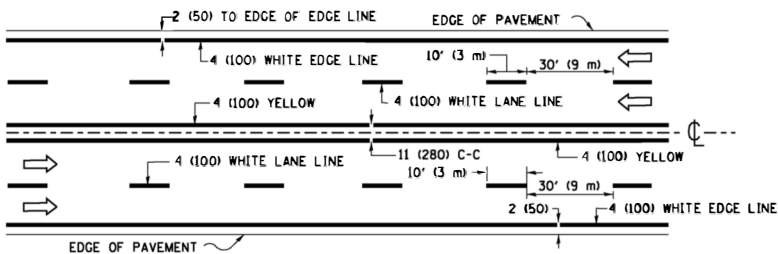
All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
FILE: LANE...
PROJECT: ...
DATE: 3/4/2019

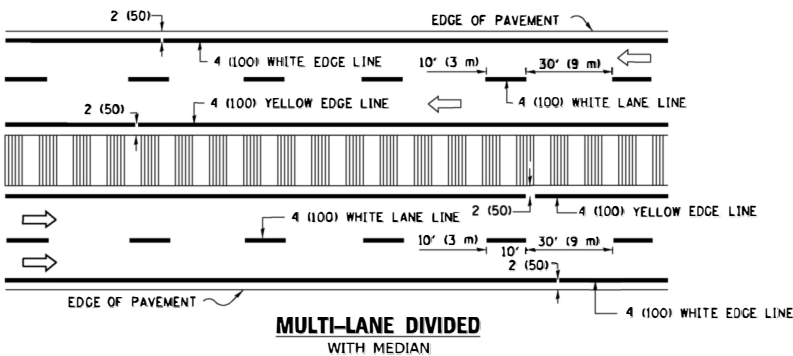
	Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = faotemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00					2508	25-00064-00-RS	KANE & KENDALL	28	23
		PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09					CONTRACT NO. 61M68				
			DATE -	REVISED - C. JUCIUS 07-01-13					ILLINOIS FED. AID PROJECT				



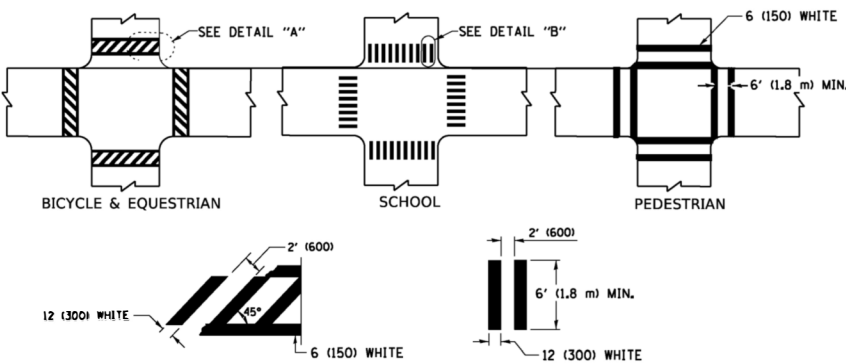
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

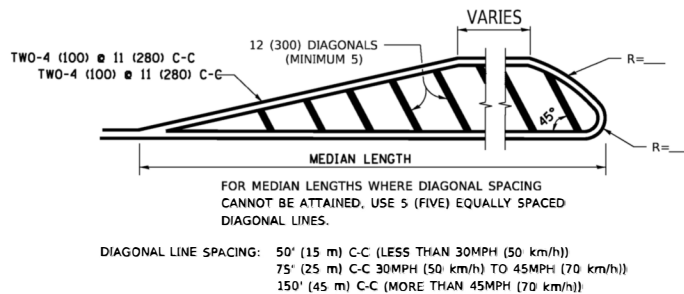
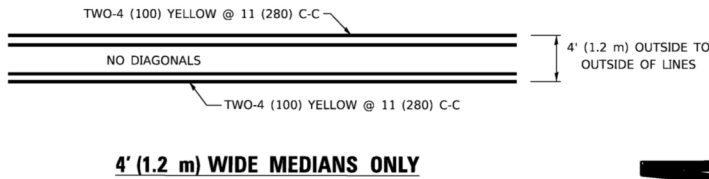


TYPICAL LANE AND EDGE LINE MARKING

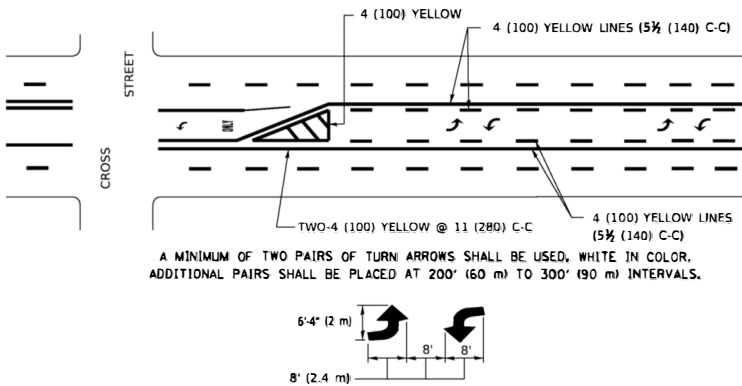


TYPICAL CROSSWALK MARKING

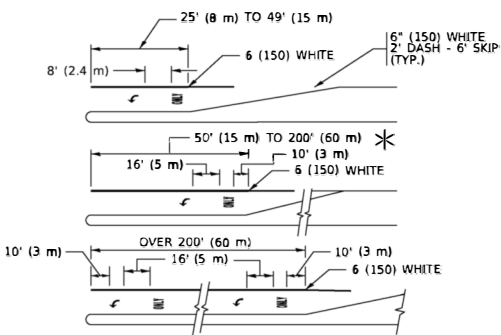
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING

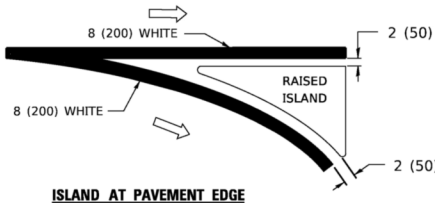
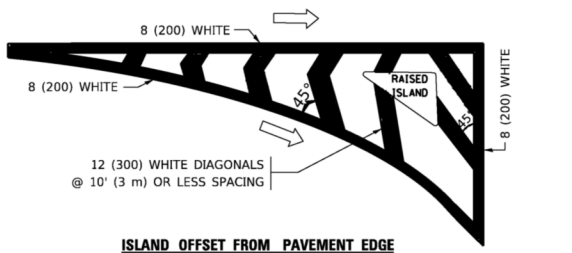


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

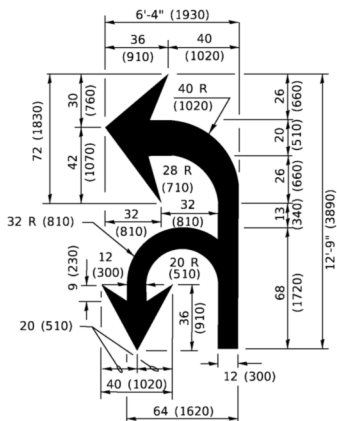
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

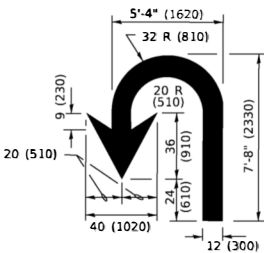
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

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

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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) 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.



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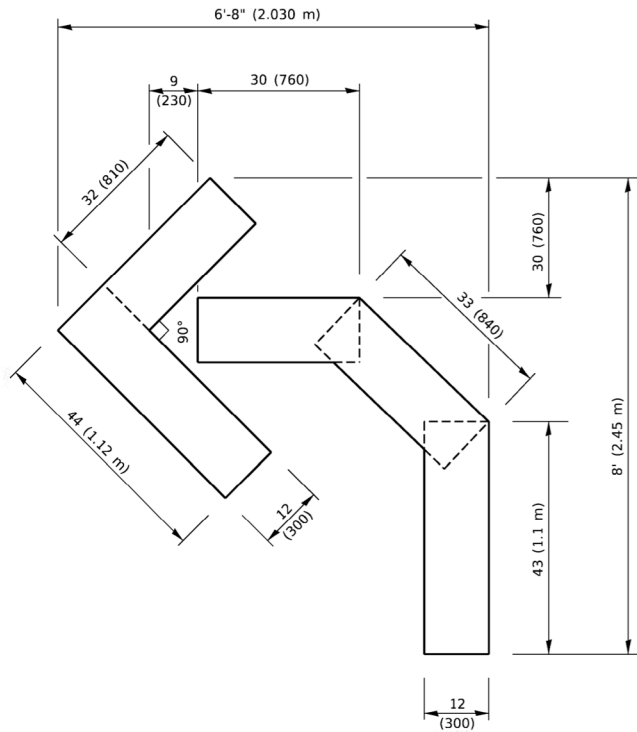
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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2013	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

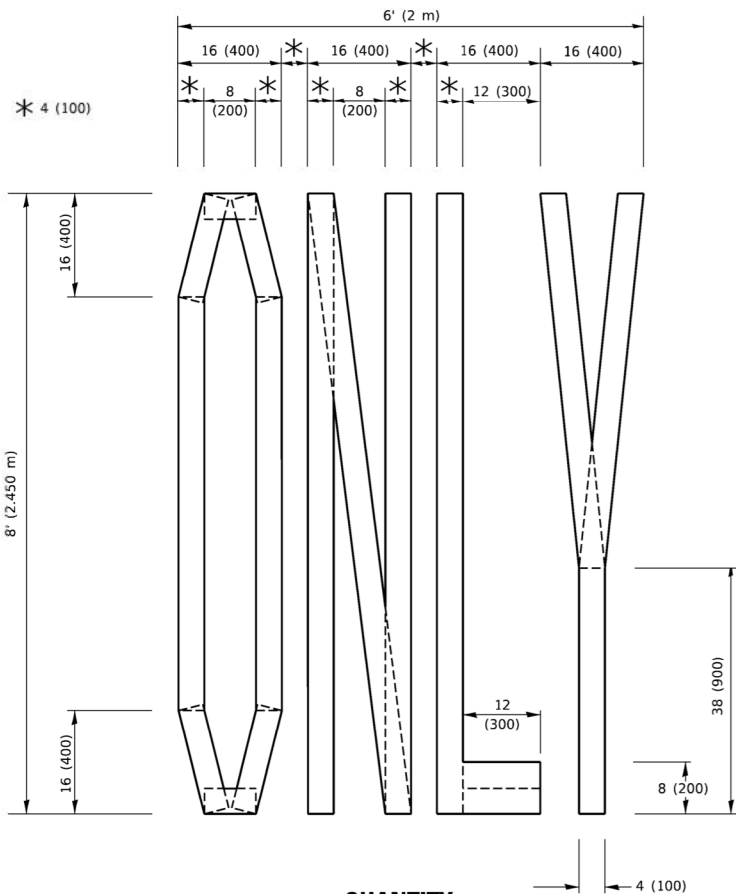
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	24
TC-13				CONTRACT NO. 61M68
ILLINOIS FED. AID PROJECT				



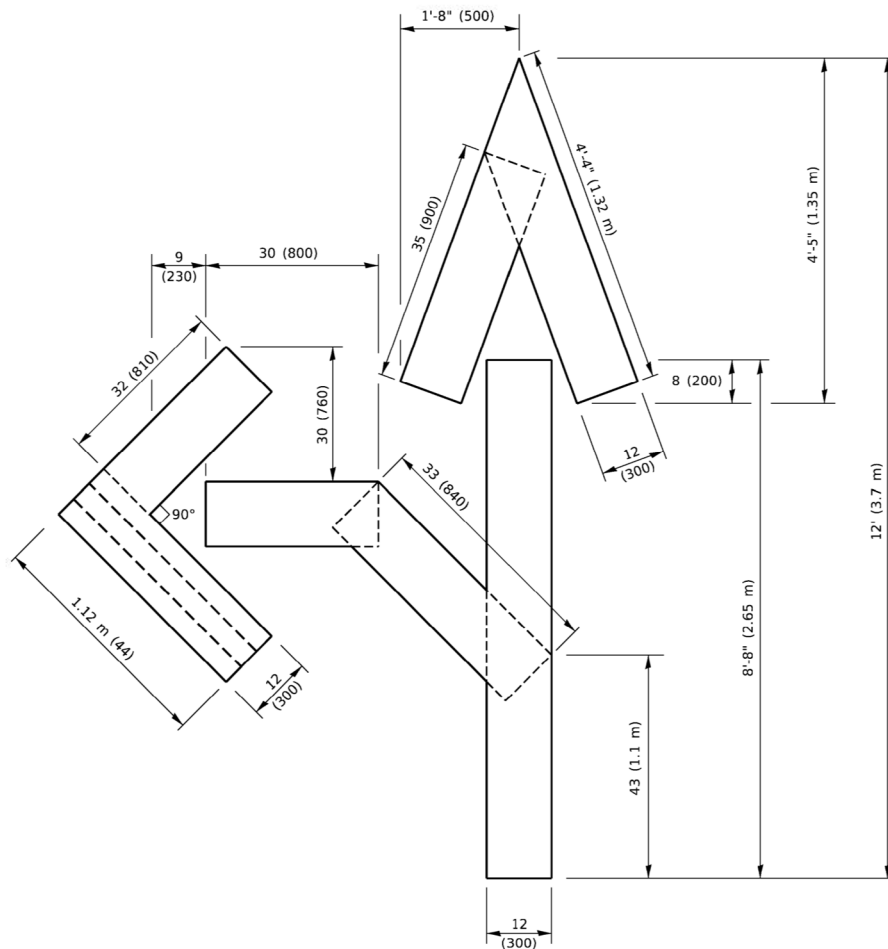
QUANTITY

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



QUANTITY

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

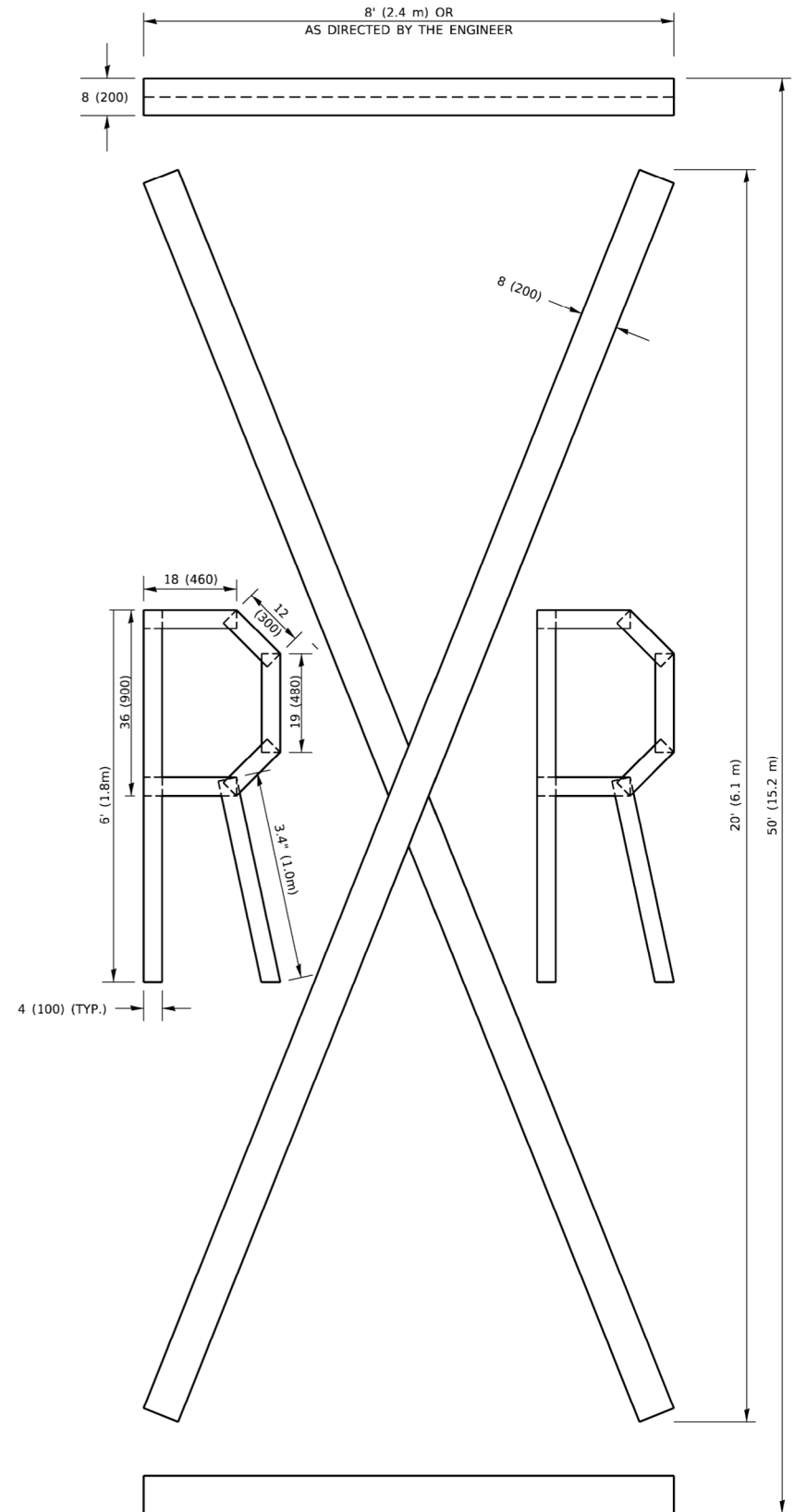


QUANTITY

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

NOTE:

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



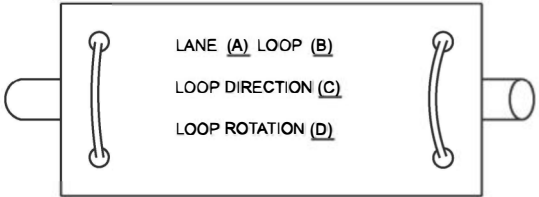
QUANTITY

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

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

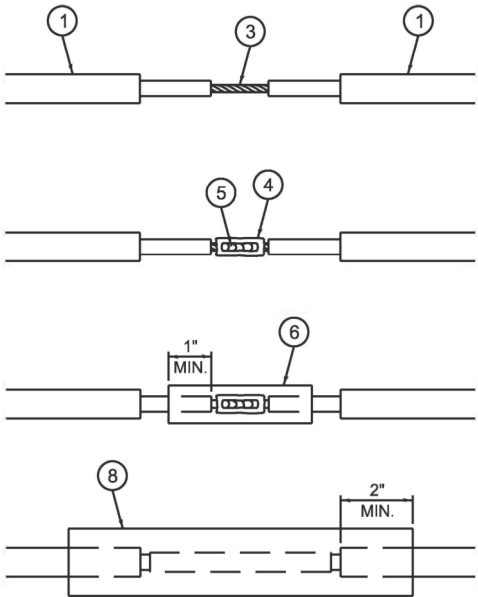
DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.



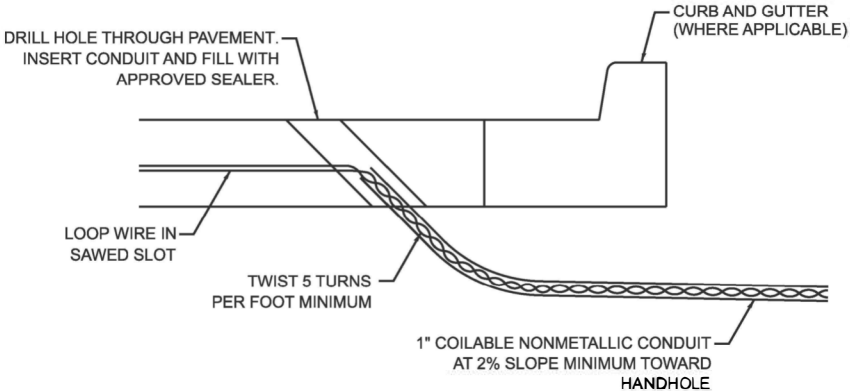
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

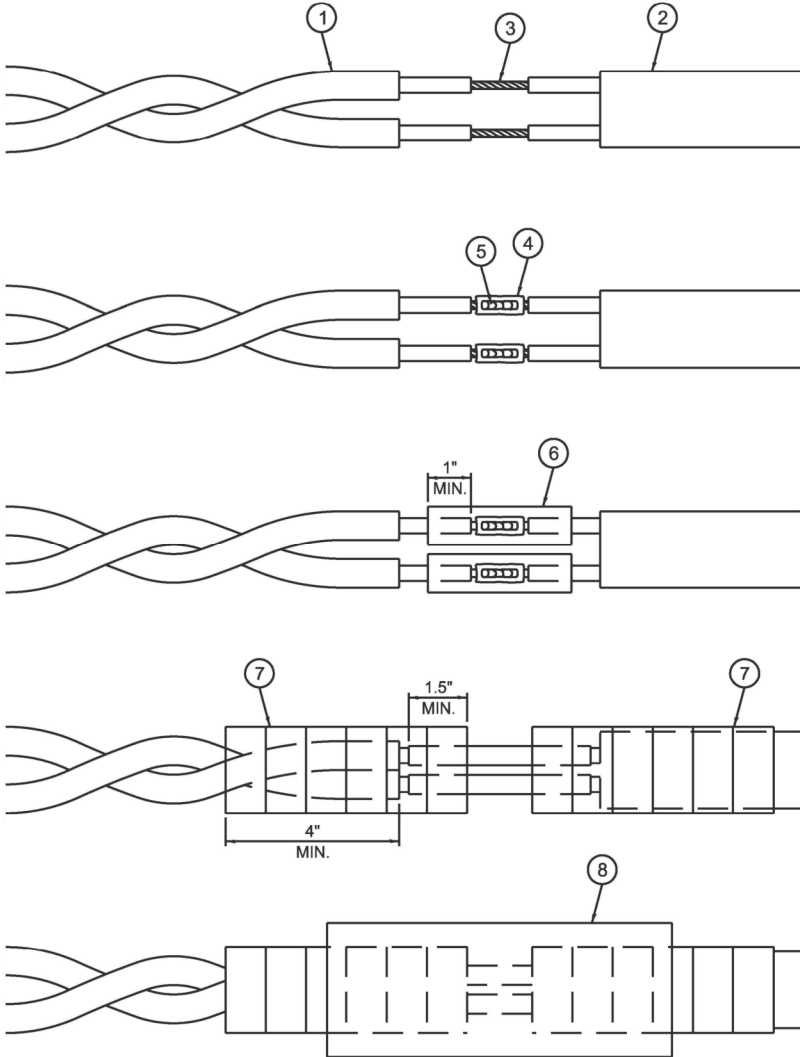


LOOP-TO-LOOP SPLICE DETAIL

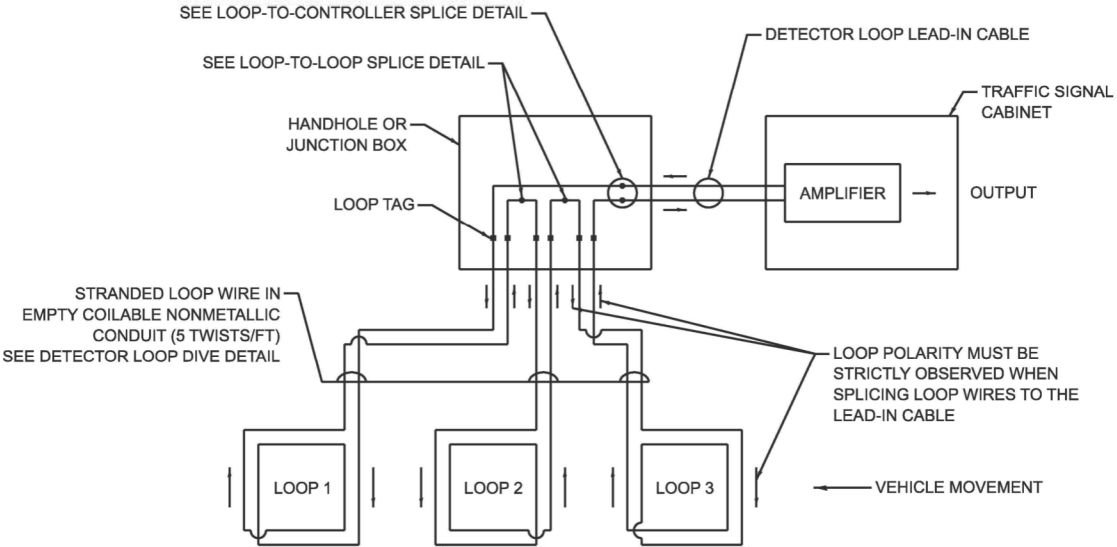
- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL



DETECTOR LOOP WIRING SCHEMATIC

MODEL: TS-01b (Sheet)
FILE NAME: c:\p\work\lawrence.demanche\1141615.dwg



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Sugar Grove, Illinois 60554
830.466.6700 / www.eeweb.com

USER NAME	= lawrence.demanche	DESIGNED	- IP	REVISED	-
PLOT SCALE	= \$SCALE\$	DRAWN	- IP	REVISED	-
PLOT DATE	= 12/16/2025	CHECKED	- NB/KK	REVISED	-
		DATE	- 10/15/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

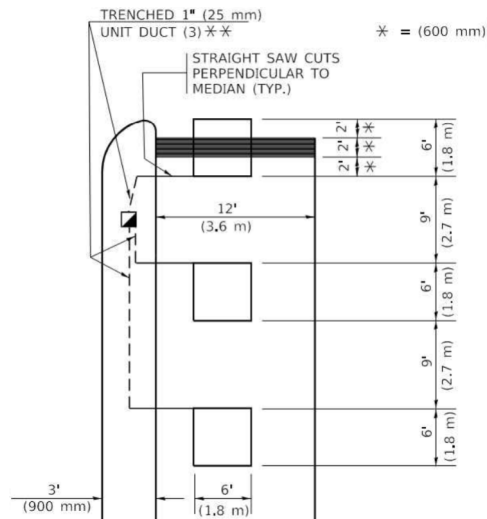
SCALE: NONE SHEET 2 OF 7 SHEETS STA N/A TO STA N/A

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	25-00064-00-RS	KANE & KENDALL	28	27
TS-01		CONTRACT NO. 61M68		
ILLINOIS FED. AID PROJECT				

Diagram illustrating the cross-section of a pavement replacement structure. The diagram shows a central paved area with a width of 10' (3.0 m) on each side of a central dashed line. The total width of the paved area is 20' (6.0 m). The central paved area is composed of two 5' (1.5 m) sections separated by a 1' (0.3 m) gap. The outer paved areas are 10' (3.0 m) wide. The diagram also shows a 3' (0.9 m) wide paved or non-paved shoulder on the right side. The total width of the structure is 23' (7.0 m). The diagram includes labels for materials: E/P (Existing Pavement), MIN. (Minimum), and 1" (25 mm) UN DUCT-TRENCH TO E/P ** (1 inch (25 mm) unduct-trench to existing pavement **).

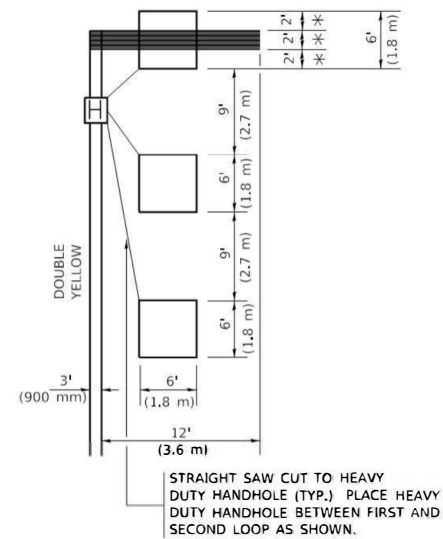
* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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.



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

* = (600 mm)



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

Figure 10: Typical Saw-Cut Handhole Loop in Pavement. The diagram shows a plan view of a pavement section with a saw-cut handhole loop. The loop is 12 inches (305 mm) wide and 10 feet (3.05 m) long. The spacing between loops is 10 feet (3.05 m). The loops are installed in the right turn lane of an arterial road, with a note stating "DO NOT INSTALL CALLING LOOP IN RIGHT TURN LANE." The diagram also shows the location of the loops relative to the cross street and the driveway. A note indicates that the loops should be 10 feet (3.05 m) or closer depending on the driveway location. The diagram also shows the location of the loops relative to the cross street and the driveway.

DETAIL 1
N.T.S.

[illegible]

DETAIL 2
N.T.S.

* 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.

"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.

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.