F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00 RS	KANE	28	1
	ILLINOIS	CONTRACT NO. 61H43		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

01-21-2022 LETTING ITEM 070

STATE OF ILLINOIS

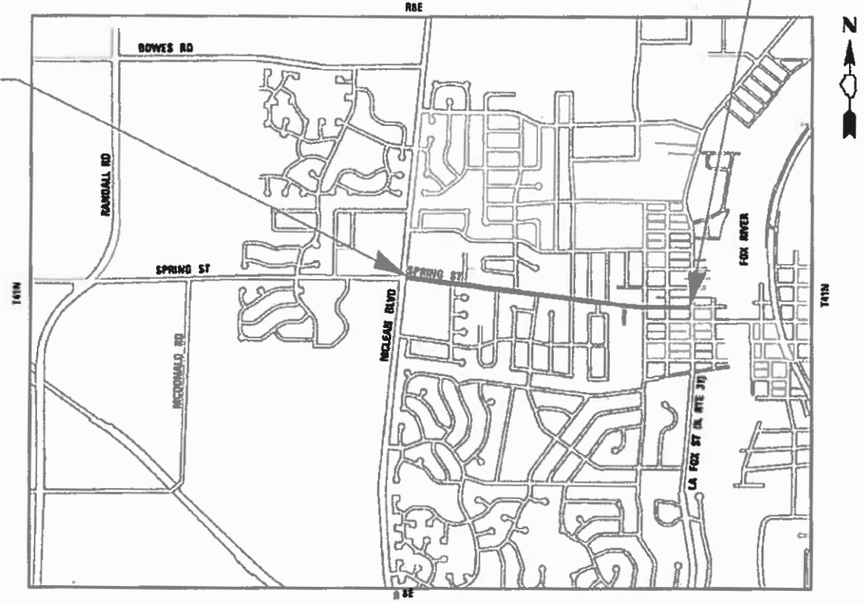
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1342 (SPRING STREET)
MCLEAN BLVD TO LA FOX ST (IL RTE 31)
RESURFACING
SECTION: 21-00052-00-RS
PROJECT: LR5C(581)
VILLAGE OF SOUTH ELGIN
KANE COUNTY

TRAFFIC DATA
SPRING STREET
POSTED AND DESIGN SPEED LIMIT – 30 MPH
ADT = 7,650 (2018)
ROADWAY CLASSIFICATION: MINOR ARTERIAL

C-91-162-21
LOCATION MAP



GROSS LENGTH = 5,058.01 FT. = 0.958 MILE
NET LENGTH = 5,058.01 FT. = 0.958 MILE

JONATHAN B. IRWIN
62-067094
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
LICENSE EXPIRES 11-30-2021

PROJECT ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 10/28/21
VILLAGE OF SOUTH ELGIN DIRECTOR OF PUBLIC WORKS

PASSED Nov 8, 2021
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW November 8, 2021
REGIONAL ENGINEER

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

J.U.L.I.E. DESIGN STAGE REQUEST
DIG No. X112059B

Call Before You Dig
JULIE
CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING
COUNTY – KANE
CITY TWNSHP. = SOUTH ELGIN - ELGIN
SEC. & 1/4 SEC. NO. = S34,S35 T41N R8E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO.: 61H43

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

BAXTER & WOODMAN
Consulting Engineers

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

DISTRICT DETAILS

BD600-03	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD400-04	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD400-05	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
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701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. L CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: THE JANUARY 1, 2022 VERSION OF "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE JANUARY 1, 2022 VERSION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 2009 VERSION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE 2019 VERSION OF THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE 8TH EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
4. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
5. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
7. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS ¾" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
8. A ½-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK.
9. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
10. ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT.
11. THE TOP OF ALL NEW CURB BOXES ON DRAINAGE STRUCTURES SHALL BE STAMPED "DUMP NO WASTE - DRAINS TO RIVER".
12. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
13. ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING".
14. DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE VILLAGE A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
15. ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
16. THE PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER.
17. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	USER NAME = mornig	DESIGNED - SAM	REVISED -
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	PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT_Index & Highway Standards.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	2
		CONTRACT NO. 61H43		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE 70% STP 30% Village Roadway 0042 Trainees
20101100	TREE TRUNK PROTECTION	EACH	6	6	
20101200	TREE ROOT PRUNING	EACH	6	6	
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36	
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36	
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36	
20101700	SUPPLEMENTAL WATERING	UNIT	1	1	
20200100	EARTH EXCAVATION	CU YD	10	10	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	26	26	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	775	775	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,580	1,580	
25000210	SEEDING, CLASS 2A	ACRE	0.4	0.4	
25100630	EROSION CONTROL BLANKET	SQ YD	1,580	1,580	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40	40	
28000510	INLET FILTERS	EACH	52	52	
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	26	26	
* 35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,587	1,587	

* INDICATES SPECIAL PROVISION
S INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	3
		CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE: 70% STP 30% Village Roadway 0042 Trainees
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	267	267	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	19,327	19,327	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	8	8	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	734	734	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	4,089	4,089	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3,287	3,287	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,380	9,380	
42400800	DETECTABLE WARNINGS	SQ FT	438	438	
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	28,632	28,632	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	267	267	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,818	1,818	
44000600	SIDEWALK REMOVAL	SQ FT	10,580	10,580	
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	101	101	
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	101	101	
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	215	215	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	358	358	

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S INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	4
		CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE: 70% STP 30% Village Roadway 0042 Trainees
	48301000	PROTECTIVE COAT	SQ YD	1,412	1,412	
	60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	200	200	
	60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	1	1	
	60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	1	1	
	60238800	INLETS, TYPE A	EACH	1	1	
	60404800	FRAMES AND GRATES, TYPE 11	EACH	5	5	
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5	
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5	
	60500040	REMOVING MANHOLES	EACH	1	1	
	60500050	REMOVING CATCH BASINS	EACH	1	1	
	60500060	REMOVING INLETS	EACH	1	1	
S	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	36	36	
S	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
S	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
S	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
S	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	

\ INDICATES SPECIAL PROVISION
S INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	5
		CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE 70% STP 30% Village Roadway 0042 Trainees
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,815	1,815	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	202	202	
S	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	67	67	
S	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	13	13	
S	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	351	351	
S	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17,506	17,506	
S	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	896	896	
S	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,470	1,470	
S	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	289	289	
S	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	50	50	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	50	50	
S *	88600600	DETECTOR LOOP REPLACEMENT	FOOT	144	144	

* INDICATES SPECIAL PROVISION
S INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE 70% STP 30% Village Roadway 0042 Trainees
*	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	13	13	
*	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	2	2	
*	Z0019600	DUST CONTROL WATERING	UNIT	2	2	
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	5,058	5,058	
	Z0076600	TRAINEES	HOUR	500		500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
*	X2800510	INLET FILTER CLEANING	EACH	52	52	
*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	100	100	
*	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	13	13	
*	X4230710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	267	267	
*	X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	17	17	
*	X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	1,200	1,200	
*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	22	22	
*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	40	40	
*	X6060052	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	20	20	

* INDICATES SPECIAL PROVISION
$ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 70% STP 30% Village Roadway 0005 Urban	CONSTRUCTION CODE 70% STP 30% Village Roadway 0042 Trainees
*	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1,818	1,818	
S *	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	659	659	
S *	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	1,179	1,179	
S *	X7310110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	77	77	
S *	X8950810	REMOVE AND RE-ERECT FLASHING BEACON	EACH	2	2	
*	XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	34	34	

* INDICATES SPECIAL PROVISION
S INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

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	DRAWN - KAR	REVISED -
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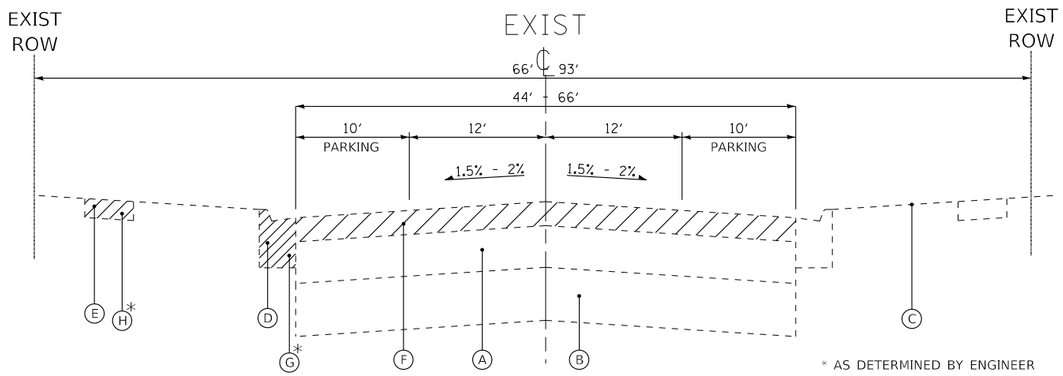
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

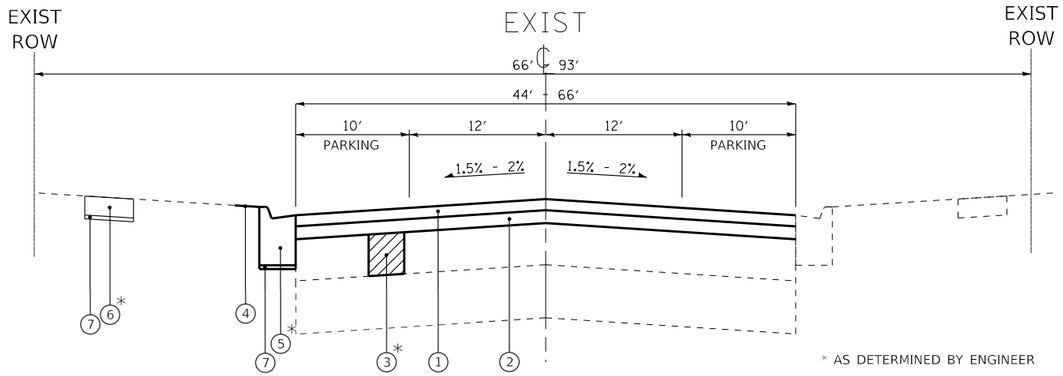
SCALE: NONE | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	8
		CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION
SPRING STREET

STA 20+98 TO STA 71+56



PROPOSED TYPICAL SECTION
SPRING STREET

STA 20+98 TO STA 71+56

EXISTING PAVEMENT THICKNESS TABLE

CORE STATION	HMA PAVEMENT (INCHES)	AGGREGATE BASE (INCHES)
22+75	12.00	5.75
28+00	12.00	11.00
33+00	10.75	12.25
38+25	11.25	7.25
43+35	11.50	11.50
47+55	12.75	5.00
53+30	11.75	11.25
58+90	10.25	12.75
64+35	11.50	7.50
71+00	13.00	4.25

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 1/2"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT DRIVEWAY REMOVAL & REPLACEMENT (RESIDENTIAL DRIVEWAYS)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 3" (IN 2 LIFTS)	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT DRIVEWAY REMOVAL & REPLACEMENT (COMMERCIAL DRIVEWAYS)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 Gyr.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 Gyr.	QC/QA
QMP designation: Quality Control/Quality Assurance (QC/QA)		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. 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.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER.

EXISTING LEGEND

- (A) EXISTING HMA BINDER & SURFACE COURSE, 11" - 13"
- (B) EXISTING AGGREGATE BASE COURSE, 5" - 15"
- (C) GROUND SURFACE
- (D) EXISTING COMBINATION CURB AND GUTTER
- (E) EXISTING SIDEWALK
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"
- (G) REMOVE EXISTING COMBINATION CURB & GUTTER
- (H) REMOVE EXISTING SIDEWALK
- ▨ REMOVAL ITEM

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2.5"
- (3) CLASS D PATCHES 8"
- (4) SEEDING, CLASS 2A
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (7) AGGREGATE BASE COURSE

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		DRAWN - KAR	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-TypSec.dgn		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	9
		CONTRACT NO. 61H43		
		ILLINOIS | FED. AID PROJECT		

TO STA 71+56
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

McLEAN BOULEVARD

255 N. McLEAN BLVD

LINE 6" (WHITE)

LETTERS AND SYMBOLS (WHITE) (TYP)

R3-8b
ADVANCE INTERSECTION
LANE CONTROL
VARIES X 30"
STA 22+80

SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1

I-8
LIBRARY
24" X 24"
D1-1
LIBRARY
18" X 15"
M6-1
DIRECTIONAL ARROW
21" X 15"
STA 25+03

1140 W. SPRING ST

LINE 12" (YELLOW 45° DIAGONAL
LINE @ 37' C-C)

EX ROW

MATCH LINE STA 25+50

20+00

BEGIN IMPROVEMENTS
SPRING STREET
STA 20+98

℄ SPRING STREET STA 20+00
℄ McLEAN BOULEVARD

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

SPRING STREET

LINE 6" (WHITE SKIP DASH,
2' LINE, 6' SPACE) (TYP)

25+00

LINE 6" (WHITE)

30 S. McLEAN BLVD

LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)

LINE 4" (WHITE SKIP DASH,
10' LINE, 30' SPACE)

W4-2
LANE ENDS
36" X 36"
STA 22+94

LINE 6" (WHITE)

LINE 4" (YELLOW SKIP DASH, 10' LINE, 30' SPACE)
LINE 4" (YELLOW) @ 5 1/2" C-C

I-8
LIBRARY
24" X 24"
D1-1
LIBRARY
18" X 15"
M6-1
DIRECTIONAL ARROW
21" X 15"
STA 24+38

R1-1
STOP
30" X 30"
STA 24+99

RIGHT LANE ENDS

W9-1
RIGHT LANE ENDS
36" X 36"
STA 21+26

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (TYP)
RAISED REFLECTIVE PAVEMENT MARKER (TYP)

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (TYP)
RAISED REFLECTIVE PAVEMENT MARKER (TYP)

R1-1
STOP
30" X 30"
STA 30+19

STONINGTON PLACE

LINE 4" (YELLOW SKIP DASH, 10' LINE, 30' SPACE)
LINE 4" (YELLOW) @ 5 1/2" C-C

SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1

1100 W. SPRING ST

1090 W. SPRING ST

Stonington Pl

W Spring St

D3-1
STONINGTON PL
33" X 12"
D3-1
W SPRING ST
24" X 12"
STA 30+20

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

1000 W. SPRING ST

LINE 4" (WHITE)

R1-1
STOP
30" X 30"
STA 25+99

℄ SPRING STREET STA 28+77
℄ WEDGEWOOD DRIVE

LINE 12" (YELLOW 45° DIAGONAL
LINE @ 37' C-C)

LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)

EX ROW

MATCH LINE STA 25+50

SPRING STREET

30+00

MATCH LINE STA 31+50

LETTERS AND SYMBOLS (WHITE) (TYP)

LINE 6" (WHITE)

EX ROW

5 WEDGEWOOD DR

Wedgewood Dr

W Spring St

℄ SPRING STREET STA 30+39
℄ STONINGTON PLACE

3 YORKSHIRE CT

R1-1
STOP
30" X 30"
26+86

LINE 12" (WHITE 45° DIAGONAL
LINE @ 25' C-C)

10 WEDGEWOOD DR

SPEED LIMIT 30

R2-1
30 MPH
24" X 30"
STA 28+24

LINE 12" (WHITE, 3' C-C) (TYP)

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

LINE 24" (WHITE STOP BAR) (TYP)

WEDGEWOOD DRIVE

R1-1
STOP
30" X 30"
STA 29+00

D3-1
WEDGEWOOD DR
36" X 12"
D3-1
W SPRING ST
24" X 12"
STA 29+09

NOTE:

1. SIDEWALK, DRIVEWAY & CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. TREE ROOT PRUNNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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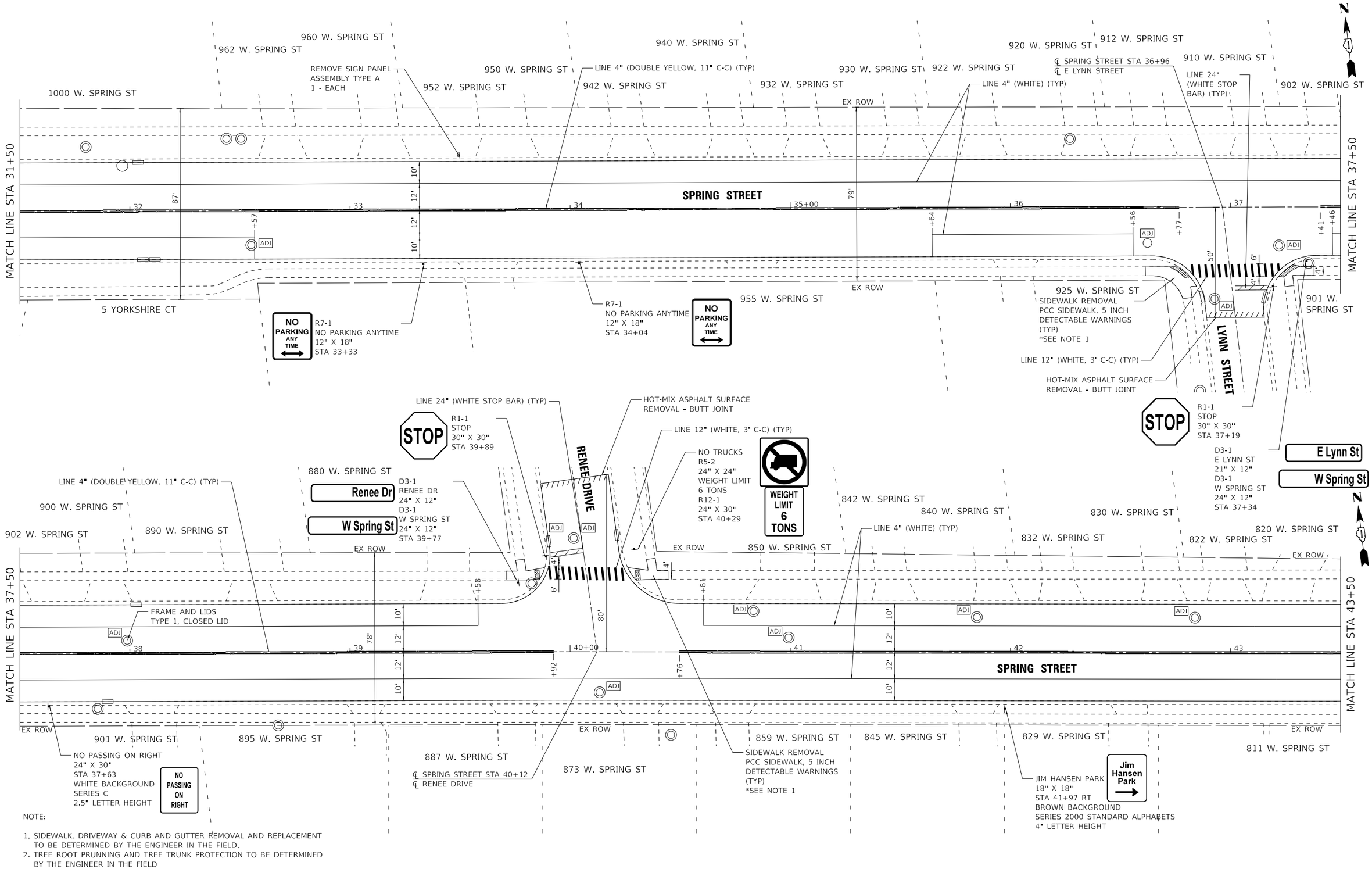
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN – SPRING STREET

SCALE: 1" = 20' | SHEET 1 OF 5 SHEETS | STA. 20+00 | TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	10
		CONTRACT NO. 61H43		
		ILLINOIS	FED. AID PROJECT	



NOTE:

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2. TREE ROOT PRUNNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN – SPRING STREET

SCALE: 1" = 20' | SHEET 2 OF 5 SHEETS | STA. 31+50 | TO STA. 43+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	11
		CONTRACT NO. 61H43		
		ILLINOIS	FED. AID PROJECT	

R2-1
30 MPH
24" X 30"
STA 43+55

SPEED LIMIT 30

812 W. SPRING ST

802 W. SPRING ST

℄ W SPRING STREET STA 44+12
℄ CONCORD AVENUE

NO PASSING ON RIGHT
24" X 30"
STA 44+65
WHITE BACKGROUND
SERIES C
2.5" LETTER HEIGHT

NO PASSING ON RIGHT

REMOVE SIGN PANEL
ASSEMBLY TYPE A
1 - EACH

LINE 4" (WHITE) (TYP)

LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)

JIM HANSEN PARK
18" X 18"
STA 46+65 LT
BROWN BACKGROUND
SERIES 2000 STANDARD ALPAHBETS
4" LETTER HEIGHT

Jim Hansen Park

788 W. SPRING ST

700 W. SPRING ST

746 W. SPRING ST

EX ROW

MATCH LINE STA 43+50

MATCH LINE STA 49+50

SPRING STREET

811 W. SPRING ST

787 W. SPRING ST

773 W. SPRING ST

759 W. SPRING ST

745 W. SPRING ST

729 W. SPRING ST

715 W. SPRING ST

SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1

799 W. SPRING ST

D3-1
CONCORD AVE
30" X 12"
D3-1
W SPRING ST
24" X 12"
STA 43+91

LINE 12" (WHITE, 3' C-C) (TYP)

R1-1
STOP
30" X 30"
STA 44+32

STOP

LINE 24" (WHITE STOP BAR) (TYP)

Concord Ave
W Spring St

CONCORD AVENUE

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

MARTIN DRIVE

NO TRUCKS
R5-2
24" X 24"
WEIGHT LIMIT
6 TONS
R12-1
24" X 30"
STA 50+65

WEIGHT LIMIT 6 TONS

D3-1
LEXINGTON AVE
33" X 12"
D3-1
MARTIN DR
24" X 12"
D3-1
W SPRING ST
24" X 12"

Lexington Ave
Martin Dr
W Spring St

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
LINE 24" (WHITE STOP BAR) (TYP)

R1-1
STOP
30" X 30"
STA 50+30

STOP

LINE 12" (WHITE, 3' C-C) (TYP)

700 W. SPRING ST

EX ROW

FRAME AND LIDS,
TYPE 1 CLOSED LID

698 W. SPRING ST

697 W. SPRING ST

695 W. SPRING ST

696 W. SPRING ST

665 W. SPRING ST

635 W. SPRING ST

620 W. SPRING ST

605 W. SPRING ST

6 LEXINGTON AVE

℄ W SPRING STREET STA 50+45
℄ LEXINGTON AVENUE

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

STOP
R1-1
30" X 30"
STA 50+68

LEXINGTON AVENUE

SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1

NO PASSING ON RIGHT
24" X 30"
STA 51+27
WHITE BACKGROUND
SERIES C
2.5" LETTER HEIGHT

NO PASSING ON RIGHT

℄ W SPRING STREET STA 50+53
℄ MARTIN DRIVE

R2-1
30 MPH
24" X 30"
STA 52+51

SPEED LIMIT 30

STOP
R1-1
STOP
30" X 30"
STA 53+42

MELINDA DRIVE

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

D3-1
MELINDA DR
27" X 12"
D3-1
SPRING ST
24" X 12"
STA 53+80

Melinda Dr
W Spring St

℄ W SPRING STREET STA 53+64
℄ MELINDA DRIVE

LINE 4" (WHITE) (TYP)

LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)

MATCH LINE STA 49+50

MATCH LINE STA 54+50

SPRING STREET

NOTE:

1. SIDEWALK, DRIVEWAY & CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. TREE ROOT PRUNNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN – SPRING STREET

SCALE: 1" = 20' | SHEET 3 OF 5 SHEETS | STA. 43+50 | TO STA. 54+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	12
		CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT			

574 W. SPRING ST
576 W. SPRING ST
STOP
R1-1
STOP
30" X 30"
STA 56+57
Carla Dr
W Spring St
D3-1
CARLA DR
21" X 12"
D3-1
W SPRING ST
24" X 12"
STA 56+54
CARLA DRIVE
HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
℄ W SPRING STREET STA 56+82
℄ CARLA DRIVE
470 W. SPRING ST
℄ W SPRING STREET STA 55+20
℄ STRATHMORE TERRACE
℄ W SPRING STREET STA 59+79
℄ LINDEMANN COURT
618 W. SPRING ST
121 CARLA DR
LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)
LINE 4" (WHITE) (TYP)
EX ROW
MATCH LINE STA 54+50
MATCH LINE STA 60+50
SPRING STREET
605 W. SPRING ST
1 STRATHMORE TER
565 W. SPRING ST
535 W. SPRING ST
EX ROW
477 W. SPRING ST
457 W. SPRING ST
SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1
LINE 12" (WHITE, 3' C-C) (TYP)
HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
LINE 24" (WHITE STOP BAR) (TYP)
STRATHMORE TERRACE
NO PASSING ON RIGHT
24" X 30"
STA 56+27
SERIES C
2.5" LETTER HEIGHT
NO PASSING ON RIGHT
D3-1
STRATHMORE TER
36" X 12"
D3-1
W SPRING ST
24" X 12"
STA 55+44
Strathmore Ter
W Spring St
WEIGHT LIMIT 6 TONS
NO TRUCKS
R5-2
24" X 24"
WEIGHT LIMIT
6 TONS
R12-1
24" X 30"
STA 63+71
S1-1
SCHOOL CROSSING
30" X 30"
W16-9P
AHEAD
24" X 12"
STA 58+49
AHEAD
505 W. SPRING ST
SIDEWALK REMOVAL
PCC SIDEWALK, 5 INCH
DETECTABLE WARNINGS
(TYP)
*SEE NOTE 1
REMOVE EXISTING FLASHING BECON
INSTALLATION COMPLETE
SOLAR-POWERED FLASHING BECON
ASSEMBLY (COMPLETE)
NO PARKING SCHOOL DAYS 7AM-3PM
PICK UP AND DROP OFF ZONE ONLY
NO PARKING BUS UNLOADING ONLY
Lindemann Ct
W Spring St
D3-1
LINDENMANN CT
36" X 12"
D3-1
W SPRING ST
24" X 12"
STA 59+65
DEAD END
W14-1
DEAD END
30" X 30"
STA 59+70
LINDEMANN COURT
R1-1
STOP
30" X 30"
STA 59+99
STOP
HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
NO PARKING BUS UNLOADING ONLY
NO PARKING ON SCHOOL DAYS
12" X 30"
PICK UP AND DROP OFF ZONE ONLY
12" X 30"
NO PARKING BUS UNLOADING ONLY
12" X 30"
STA 64+33
NO PARKING
BUS UNLOADING ONLY
12" X 30"
STA 64+98
NO PARKING ON SCHOOL DAYS
12" X 30"
PICK UP DROP OFF ZONE ONLY
12" X 30"
NO PARKING BUS UNLOADING ONLY
12" X 30"
STA 65+57
NO PARKING SCHOOL DAYS 7AM-3PM
PICK UP AND DROP OFF ZONE ONLY
NO PARKING BUS UNLOADING ONLY
SPEED LIMIT 30
END SCHOOL ZONE
R2-1
30 MPH
30" X 30"
S5-2
END SCHOOL ZONE
24" X 30"
STA 61+43
451 PRAIRIE ST
LINE 4" (WHITE) (TYP)
EX ROW
400 W. SPRING ST
R1-1
STOP
30" X 30"
R1-3P
ALL-WAY
18" X 6"
STA 63+26
ALL WAY
℄ W SPRING STREET STA 63+52
℄ N COLLINS STREET
LINE 12" (WHITE, 3' C-C) (TYP)
HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
COLLINS STREET
LINE 4" (DOUBLE YELLOW, 11" C-C) (TYP)
LINE 12" (WHITE
45° DIAGONAL
LINE @ 6' C-C)
SPRING STREET
REMOVE EXISTING FLASHING BECON
INSTALLATION COMPLETE
SOLAR-POWERED FLASHING BECON
ASSEMBLY (COMPLETE)
370 W. SPRING ST
EX ROW
MATCH LINE STA 66+00
NO PARKING ON SCHOOL DAYS
12" X 30"
STA 64+21
NO PARKING ON SCHOOL DAYS
12" X 30"
STA 65+47
NO PARKING ON SCHOOL DAYS
12" X 30"
STA 64+81
NO PARKING SCHOOL DAYS 7AM-3PM
S1-1
SCHOOL CROSSING
36" X 36"
W16-9P
AHEAD
24" X 12"
STA 65+26
AHEAD
373 W. SPRING ST
351 W. SPRING ST
W3-1
STOP AHEAD
30" X 30"
STA 60+58
429 W. SPRING ST
S4-3P
SCHOOL
24" X 8"
R2-1
20 MPH
30" X 30"
S4-I103
ON SCHOOL DAYS WHEN
CHILDREN ARE PRESENT
24" X 10"
R2-6P
FINES HIGHER
24" X 10"
STA 61+52
SCHOOL
SPEED LIMIT 20
ON SCHOOL DAYS WHEN CHILDREN ARE PRESENT
FINES HIGHER
NO PASSING ON RIGHT
NO PASSING ON RIGHT
24" X 30"
STA 62+06
WHITE BACKGROUND
SERIES C
2.5" LETTER HEIGHT
443 W. SPRING ST
415 W. SPRING ST
96 N. COLLINS ST
R1-1
STOP
30" X 30"
R1-3P
ALL-WAY
18" X 6"
STA 63+19
STOP
ALL WAY
℄ W SPRING STREET STA 63+48
℄ N COLLINS STREET
HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
R1-1
STOP
30" X 30"
R1-3P
ALL-WAY
18" X 6"
STA 63+87
STOP
ALL WAY
R1-1
STOP
30" X 30"
R1-3P
ALL-WAY
18" X 6"
STA 63+69
STOP
ALL WAY
D3-1
SPRING ST
24" X 12"
D3-1
COLLINS ST
27" X 12"
STA 63+71
W Spring St
N Collins St
LINE 24" (WHITE STOP BAR) (TYP)

NOTE:

1. SIDEWALK, DRIVEWAY & CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. TREE ROOT PRUNNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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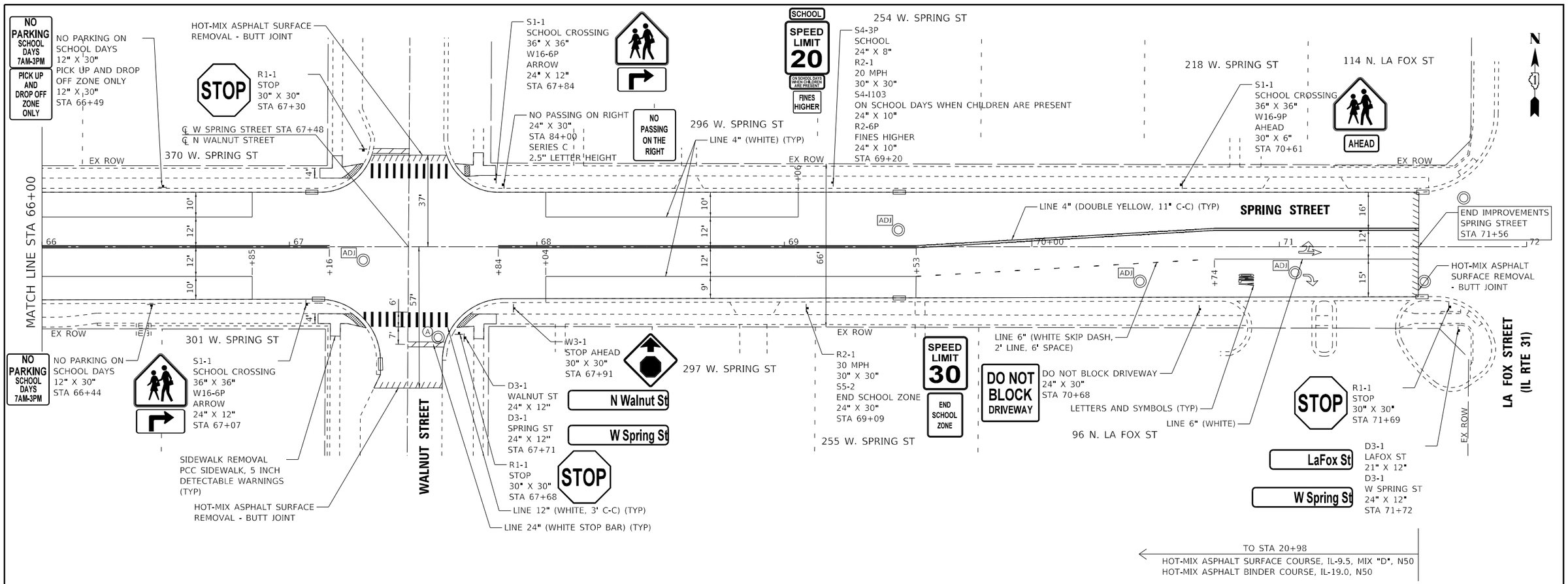
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN – SPRING STREET

SCALE: 1" = 20' | SHEET 4 OF 5 SHEETS | STA. 54+50 | TO STA. 66+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	13
		CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT			



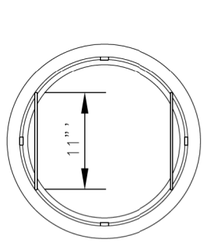
NOTE:

1. SIDEWALK, DRIVEWAY & CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. TREE ROOT PRUNNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

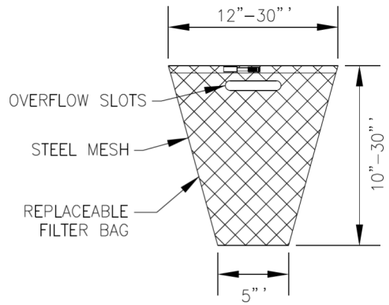
BAXTER & WOODMAN Consulting Engineers	USER NAME = mornig	DESIGNED - SAM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN – SPRING STREET
		DRAWN - KAR	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -		
	PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-Plan5.dgn		

SCALE: 1" = 20' | SHEET 5 OF 5 SHEETS | STA. 66+00 | TO STA. 72+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	14
		CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT		



PLAN



SECTION

GENERAL NOTES:

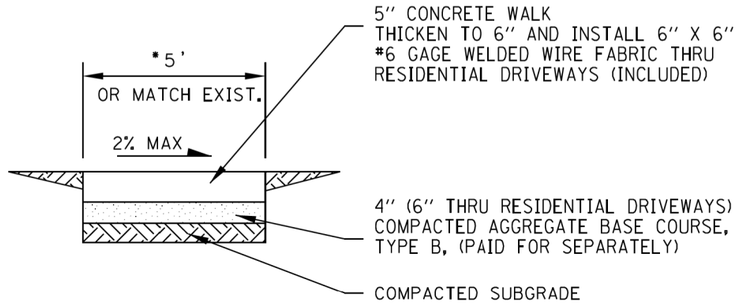
FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM–A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON–WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

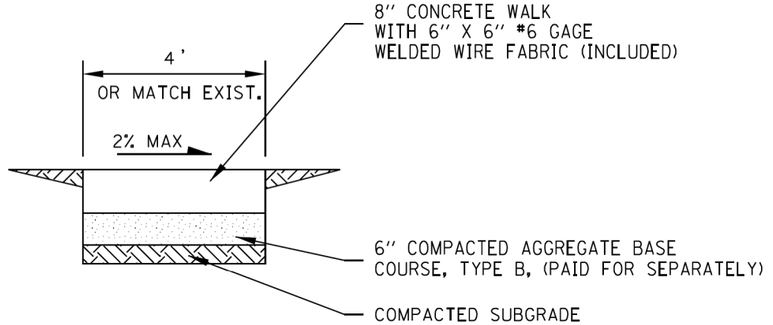
REV 01/01/14
NOT TO SCALE

INLET PROTECTION FILTER



NOTE: PROVIDE FIBER EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND @ 50' O.C. MAX. AND PROVIDE CONTROL JOINTS @ 5' O.C.

P.C.C. SIDEWALK - 5"



NOTE: PROVIDE FIBER EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND @ 50' O.C. MAX. AND PROVIDE CONTROL JOINTS @ 5' O.C.

P.C.C. SIDEWALK - 8"

* 4' WIDE ALLOWED IF 5' WIDE PASSING AREA PROVIDED PER PROWAG

REV 08-08-19
NOT TO SCALE

P.C.C. SIDEWALK

BAXTER & WOODMAN Consulting Engineers

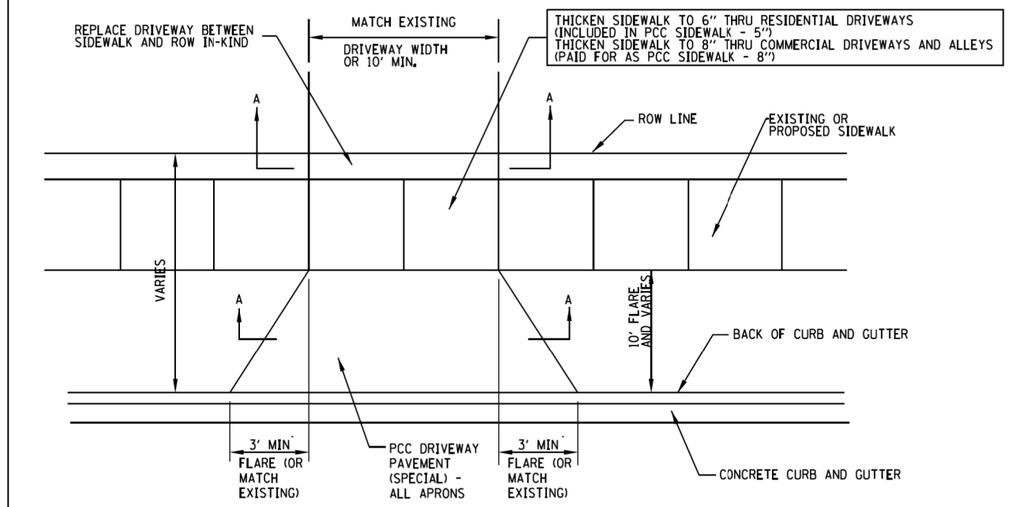
USER NAME = mornig	DESIGNED - SAM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -
PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-MiscDetails.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

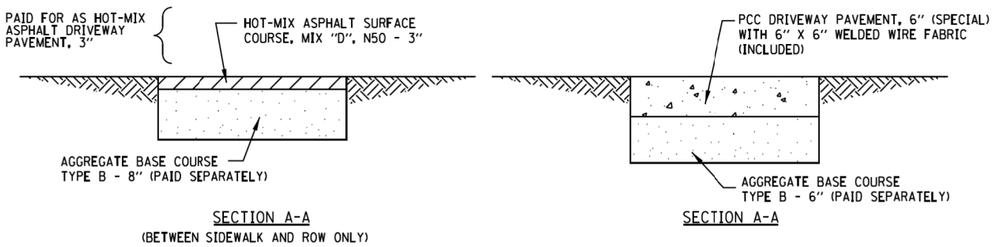
MISCELLANEOUS DETAILS

SCALE: NONE | SHEET 1 OF 5 SHEETS | STA. | TO STA.

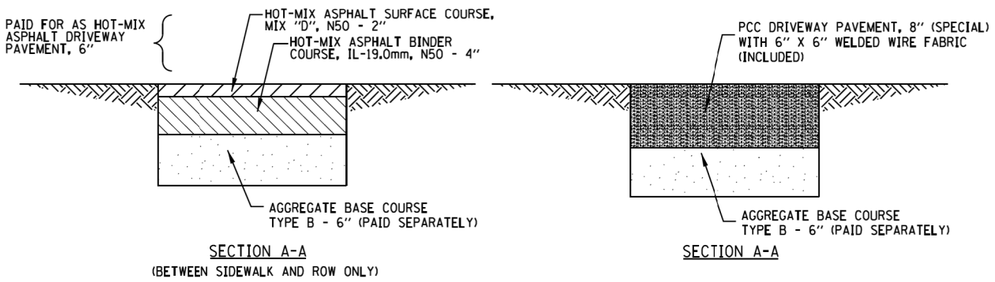
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	15
		CONTRACT NO. 61H43		
		ILLINOIS	FED. AID PROJECT	



•• 5' MIN ON COMMERCIAL DRIVEWAYS OR REFER TO IDOT D1 DETAILS BD01 & BD02 FOR HORIZONTAL GEOMETRY WITH CURB AND GUTTER



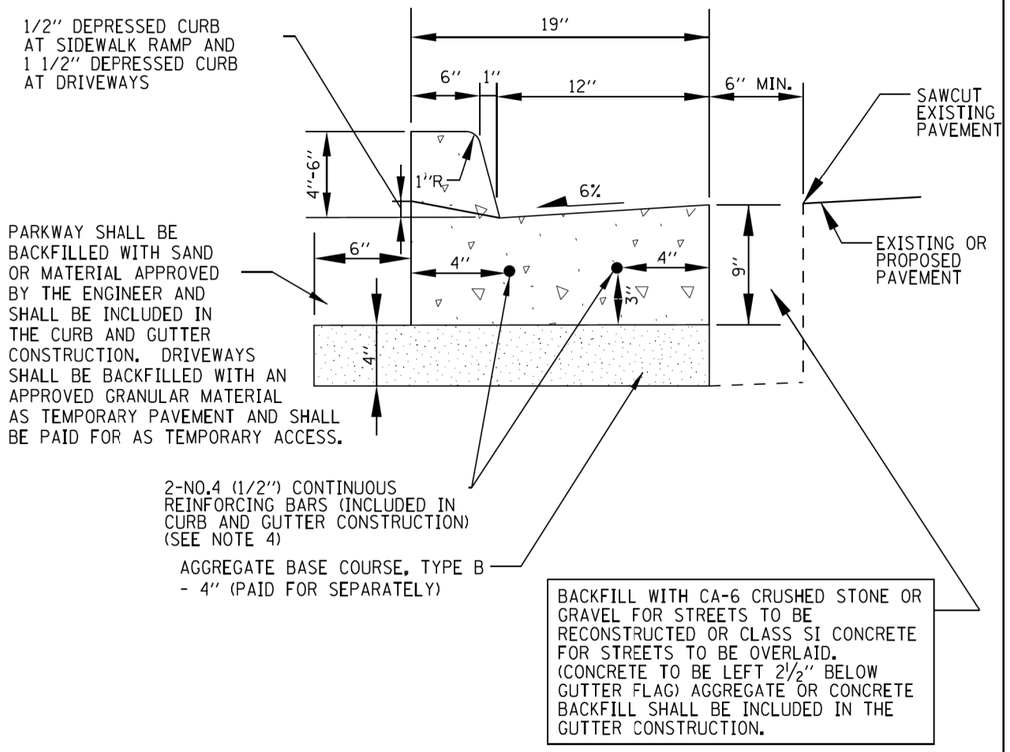
RESIDENTIAL



COMMERCIAL & ALLEYS

REV 08-08-19
NOT TO SCALE

DRIVEWAYS



NOTES:

1. PROVIDE A ONE-INCH EXPANSION JOINT EVERY 60 FEET AND AT ALL STRUCTURES.
2. PROVIDE CONTRACTION JOINTS EVERY 15 FEET TO A DEPTH OF 2 INCHES AND AT ALL POINTS OF CURVATURE.
3. STAMP CURB WITH "S", "W" AND "ST" AT SANITARY, WATER AND STORM SERVICE LOCATIONS.
4. CONTINUOUS REINFORCING BARS SHALL BE PROVIDED FOR ALL SECTIONS OF CURB AND GUTTER REMOVAL AND REPLACEMENT.

REV 04-06-21
NOT TO SCALE

COMBINATION CONCRETE CURB & GUTTER TYPE B–4.12 (SPECIAL) AND TYPE B–6.12 (SPECIAL)

BAXTER & WOODMAN Consulting Engineers

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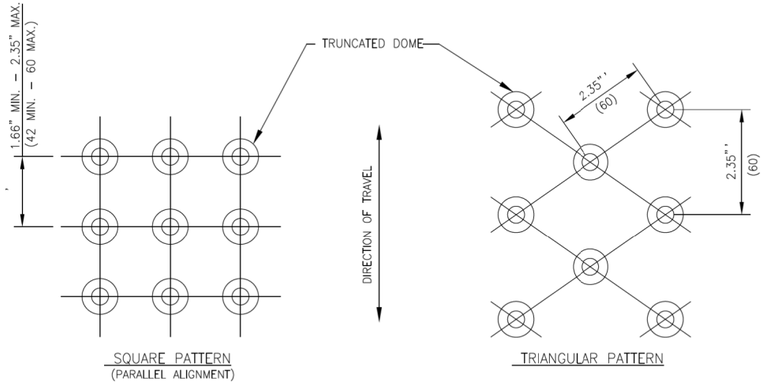
	DRAWN - KAR	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -	
PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-MiscDetails.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

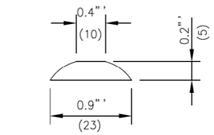
SCALE: NONE | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	16
		CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT		



DETECTABLE WARNINGS–TRUNCATED DOME DETAIL

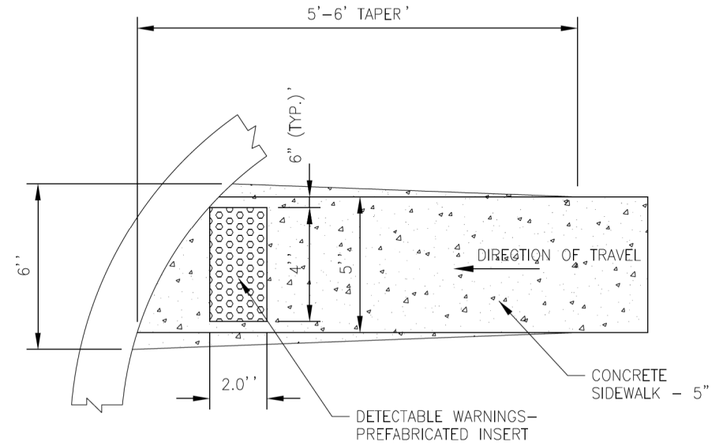
NO SCALE

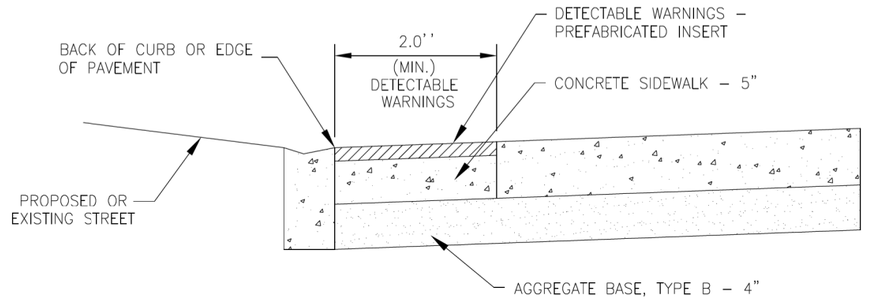


TRUNCATED DOME DETAIL

REV 01/01/14
NOT TO SCALE

DETECTABLE WARNINGS–TRUNCATED DOME DETAIL





NOTE:
SEE IDOT STANDARD DETAILS OR PROWAG FOR
ALTERNATE CONFIGURATIONS.

REV 08-08-19
NOT TO SCALE

DETECTABLE WARNING DETAIL

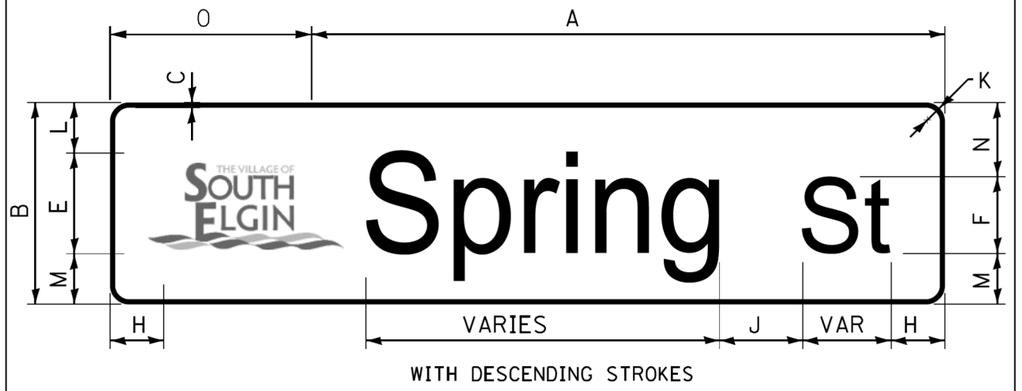
BAXTER & WOODMAN Consulting Engineers	USER NAME = mornig	DESIGNED - SAM	REVISED -
		DRAWN - KAR	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -
	PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-MiscDetails.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

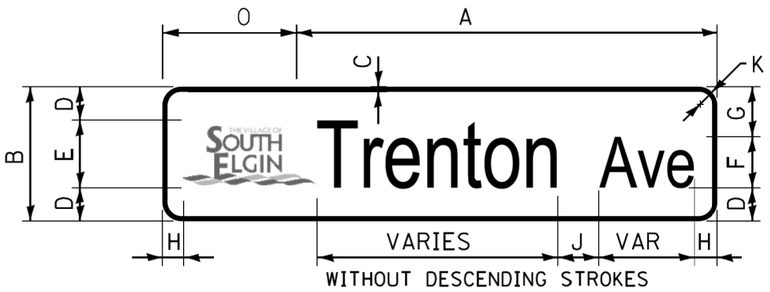
MISCELLANEOUS DETAILS

SCALE: NONE | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	17
		CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT		



WITH DESCENDING STROKES



WITHOUT DESCENDING STROKES

FONTS:
FHWA 2000
SERIES C

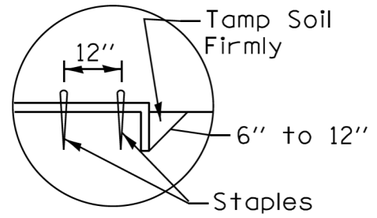
NOTES:

1. SIGNS SHALL BE MUTCD STANDARD D3-1, MEET CURRENT MUTCD REQUIREMENTS FOR RETROREFLECTIVITY AND SHALL BE EXTRUDED.
2. LETTERING, BORDER AND COLOR SHALL BE IN ACCORDANCE WITH CURRENT VILLAGE STANDARDS.
3. FOR TWO LANE STREETS 25MPH OR LESS LETTERING SHALL BE COMPOSED OF A COMBINATION OF 4" INITIAL UPPER CASE LETTER AND 3" LOWER CASE LETTERS ON A 9" HIGH SIGN.
4. FOR TWO LANE STREETS > 25MPH LETTERING SHALL BE COMPOSED OF A COMBINATION OF 6" INITIAL UPPER CASE LETTER AND 4.5" LOWER CASE LETTERS ON A 12" HIGH SIGN.

A	B	C	D	E	F	G	H	J	K	L	M	N	O
VAR	9	0.375	2	4	3	3	3(MIN)	3	1	1.75	2.25	2.75	9
VAR	12	0.5	3	6	4	5	4.5(MIN)	4.5	1.5	2.75	3.25	4.75	12

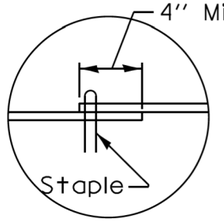
REV 04/06/21
NOT TO SCALE

STREET NAME SIGN



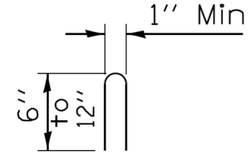
Anchor Slot
Excelsior Blanket

DETAIL 3



Lap Joint
Excelsior Blanket shall be bitted together

DETAIL 5



STAPLE DETAIL

NOTES:

1. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x225' roll of material and 125 staples are required per 4'x150' roll of material.
2. Erosion control materials shall be placed loosely over ground surface. Do not stretch.
3. All terminal ends and transverse laps shall be stapled at approximately 2" intervals.

REV 01/01/14
NOT TO SCALE

EROSION CONTROL BLANKET

5/24/2021 L:\Bentley\Client_Standards\SouthElgin\SELGV_Details_04-06-21.dgn

5/24/2021 L:\Bentley\Client_Standards\SouthElgin\SELGV_Details_04-06-21.dgn

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
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MODEL: Default
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BAXTER & WOODMAN Consulting Engineers

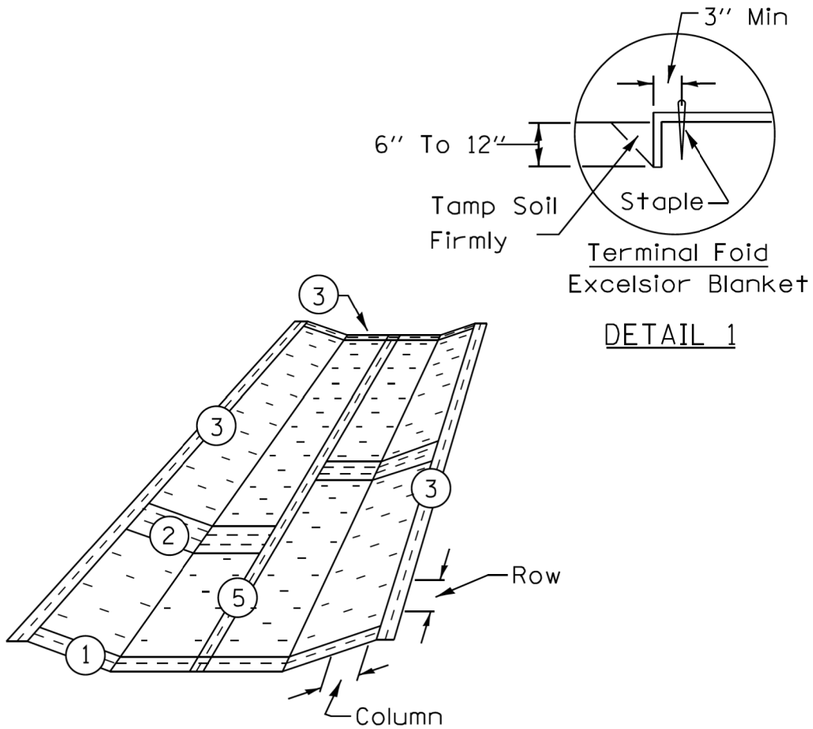
USER NAME = mornig	DESIGNED - SAM	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -	
PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-MiscDetails.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

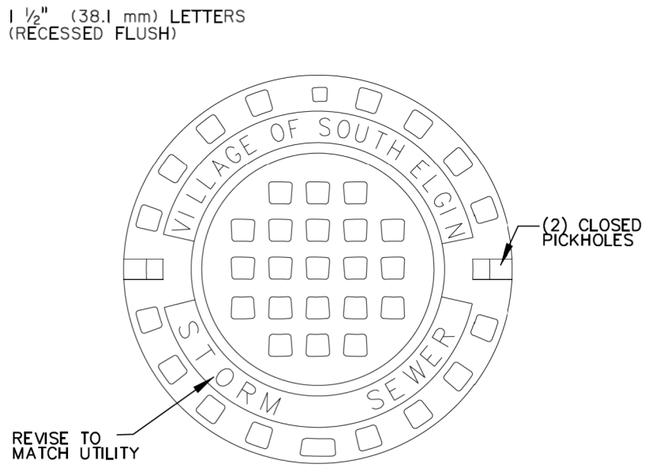
SCALE: NONE | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	18
		CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT		



REV 01/01/14
NOT TO SCALE

EROSION CONTROL BLANKET



HEAVY DUTY **NEENAH R-1713**
MATERIAL ASTM A48 CL 35
MACHINED BEARING SURFACE
COVER WT: 125 LBS (56.7 kg)

R-1916C IN FLOODPLAIN OR OVERLAND FLOW ROUTES
AS DIRECTED BY ENGINEER (SANITARY AND WATER VAULT)

09-09-14
NOT TO SCALE

WATER VAULT, SANITARY, AND STORM SEWER MANHOLE COVER

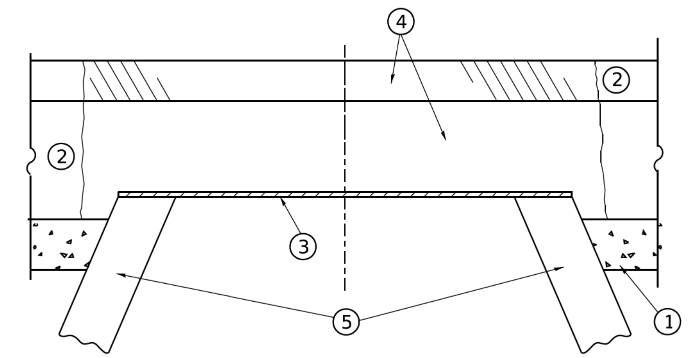
BAXTER & WOODMAN Consulting Engineers	USER NAME = mornig	DESIGNED - SAM	REVISED -
		DRAWN - KAR	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JBT	REVISED -
	PLOT DATE = 11/17/2021	DATE - 11-17-21	FILE - 210165_SHT-MiscDetails.dgn

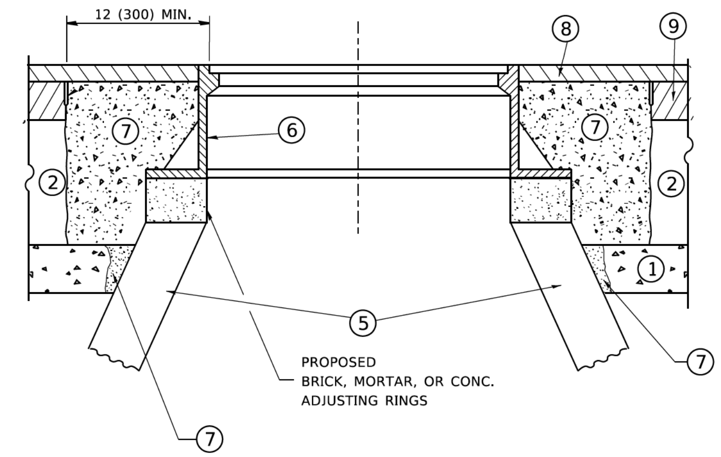
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NONE | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	19
		CONTRACT NO. 61H43		
		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

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

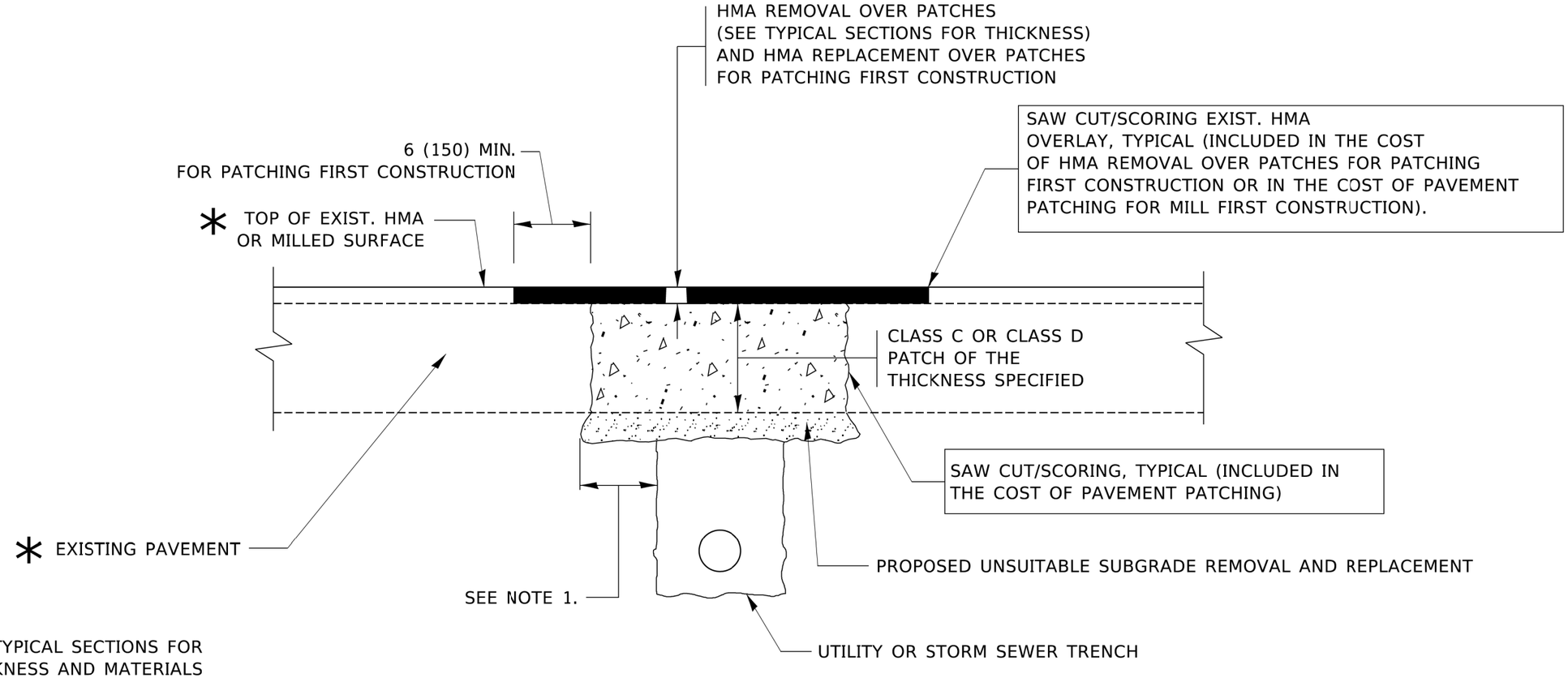
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	20

BD600–03 (BD–8) | CONTRACT NO. 61H43

ILLINOIS | FED. AID PROJECT LR5C(581)



* 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.

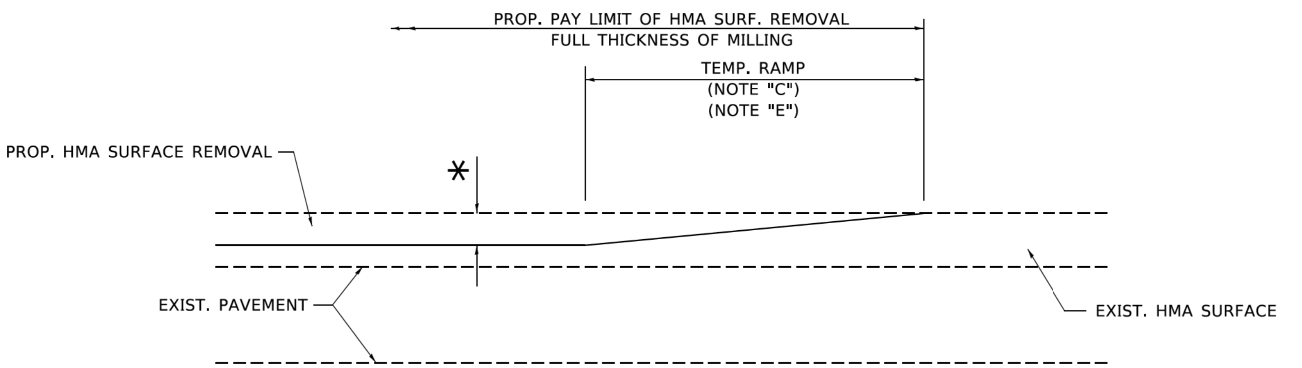
USER NAME = footemj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07	
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

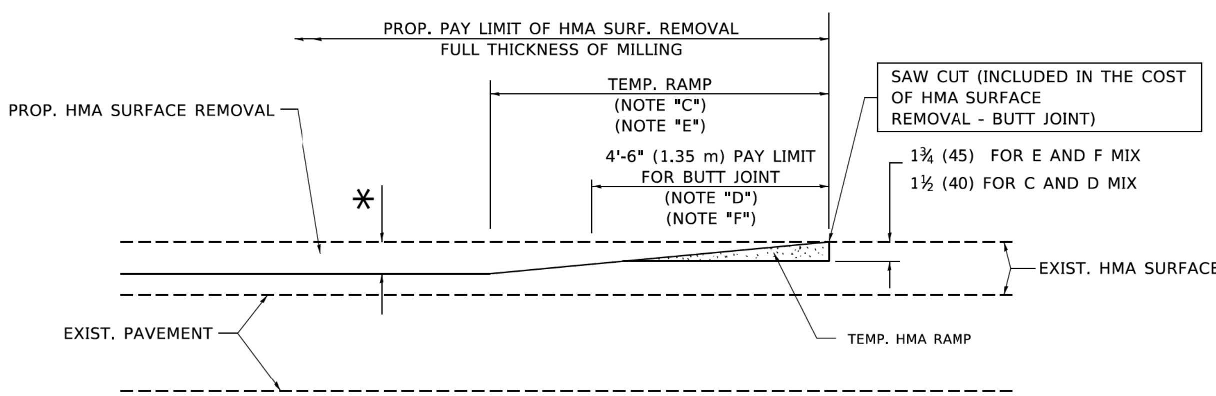
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	21
	BD400-04 (BD-22)	CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT	LR5C(581)		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

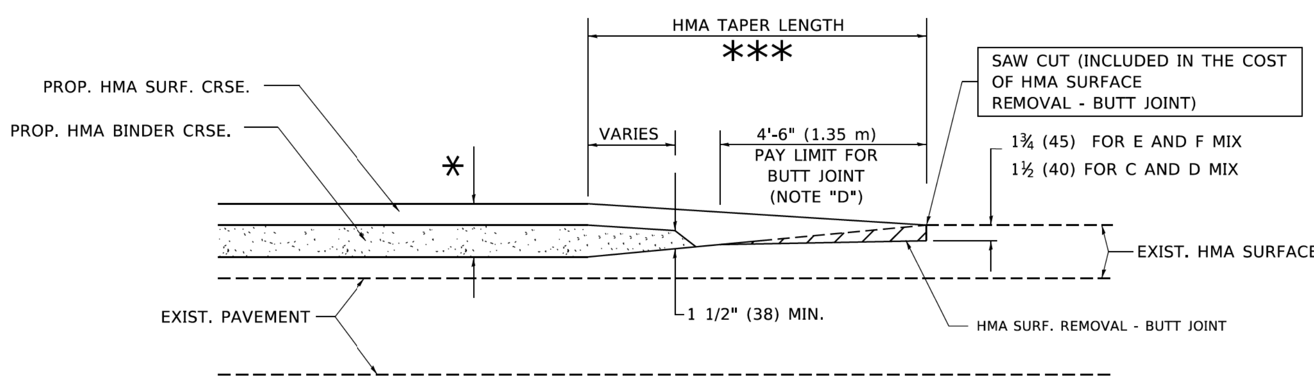


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

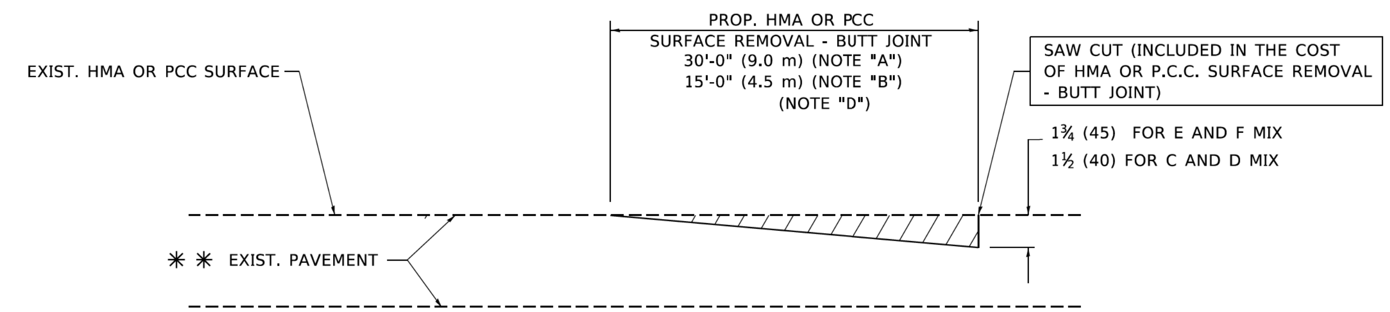
OPTION 2

TYPICAL TEMPORARY RAMP

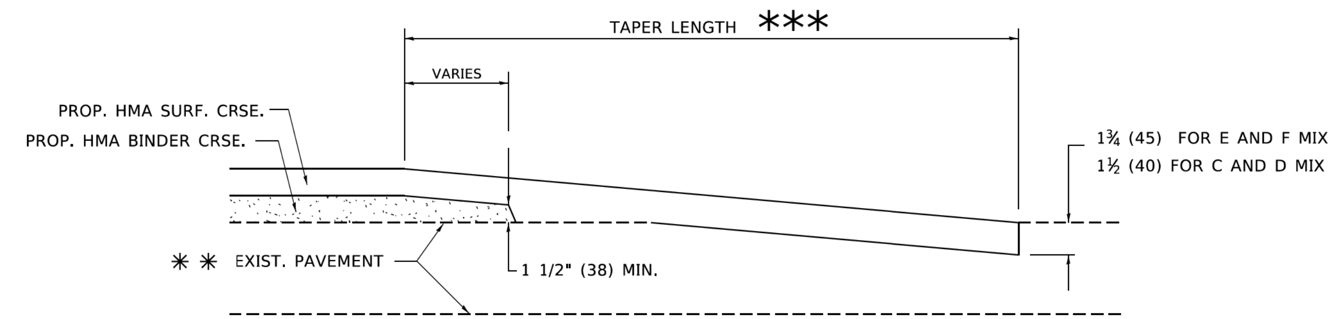


BUTT JOINT AND HMA TAPER

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.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

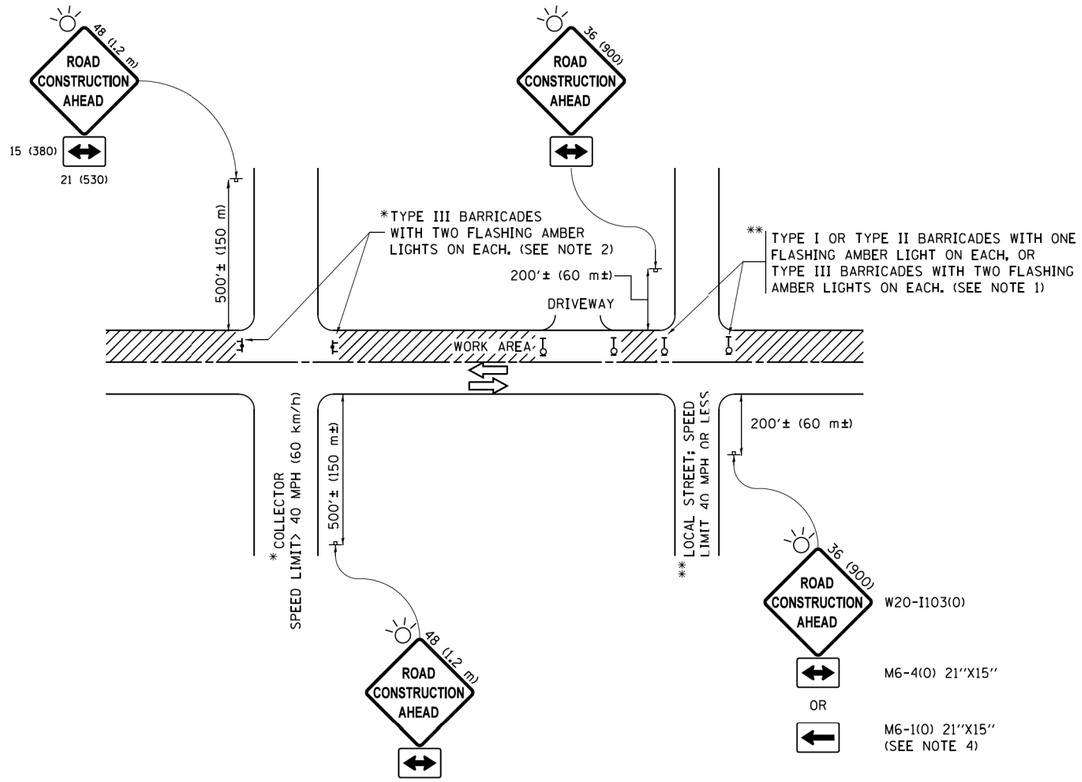
BUTT JOINT AND HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	22

BD400–05 BD32 | CONTRACT NO. 61H43

ILLINOIS | FED. AID PROJECT LH5C(581)



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.

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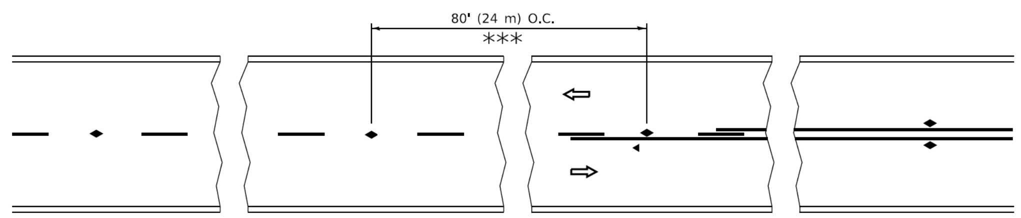
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist Standards\CADData\CADsheets\tc10.dgn	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 01-01-13
Default	PLOT DATE = 9/15/2016	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

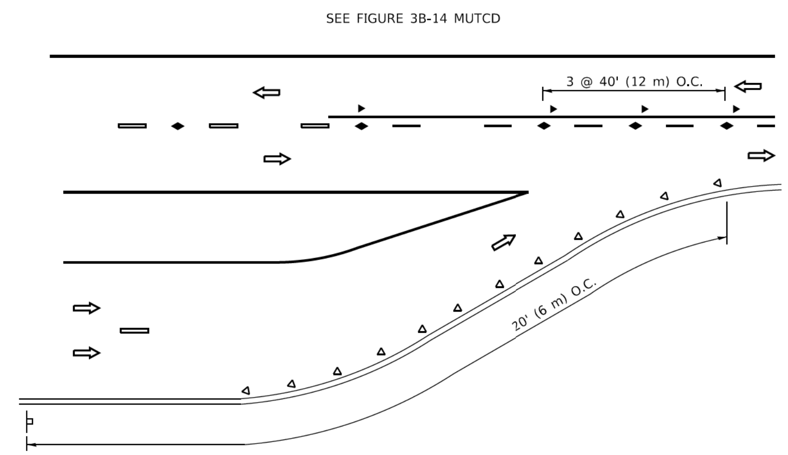
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	23
	TC-10	CONTRACT NO. 61H43		
	ILLINOIS FED. AID PROJECT LR5C(581)			

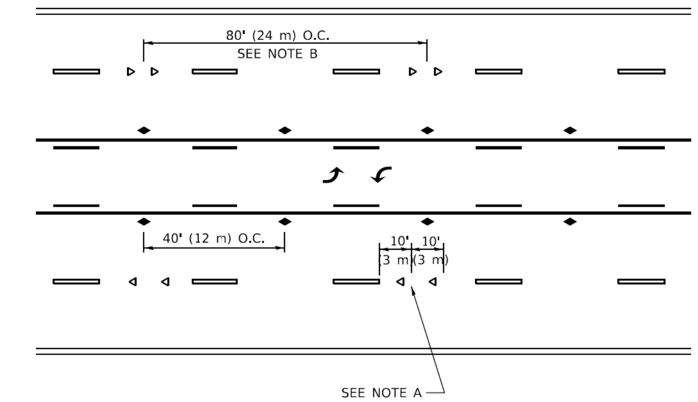


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

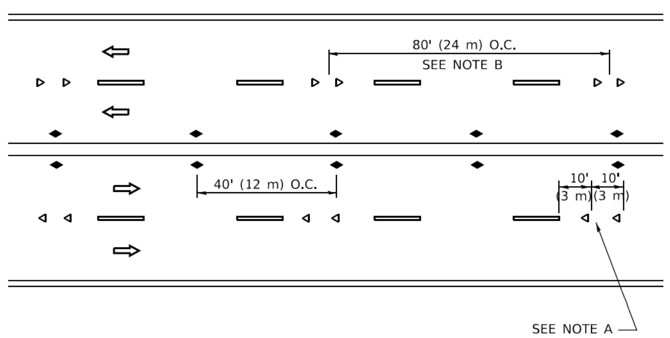
TWO–LANE/TWO–WAY



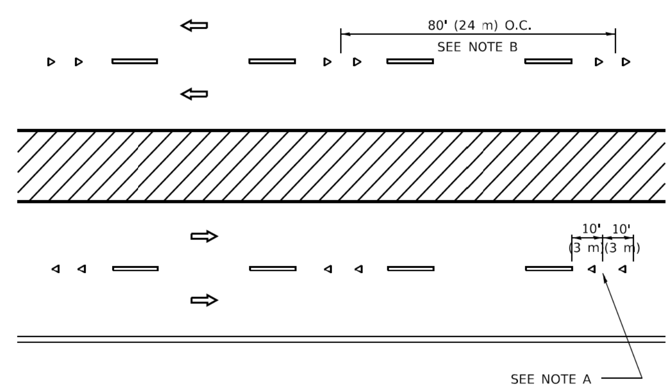
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

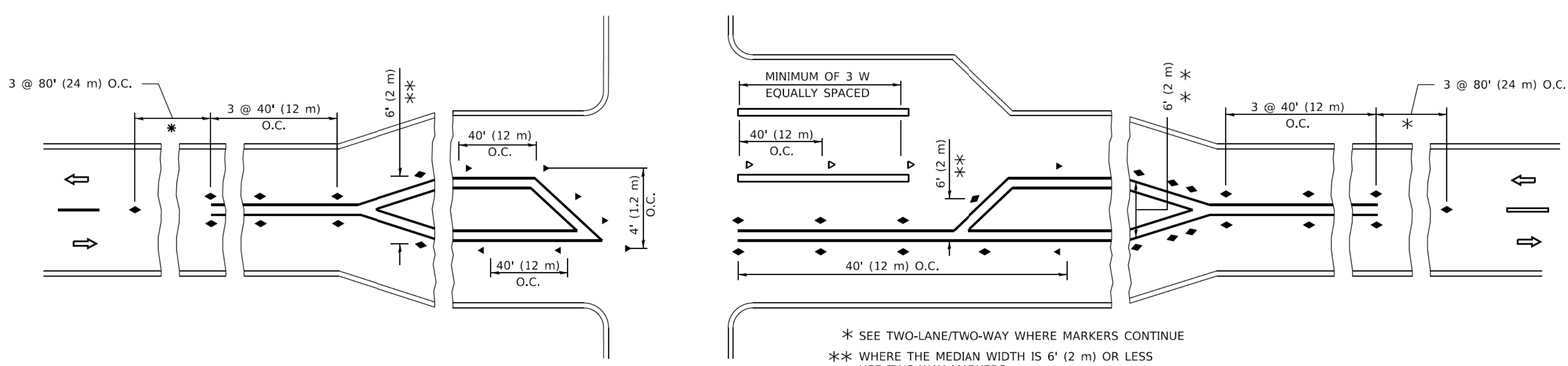
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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



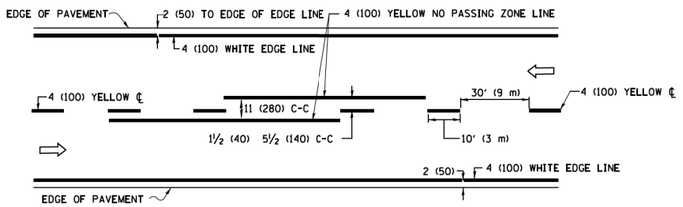
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

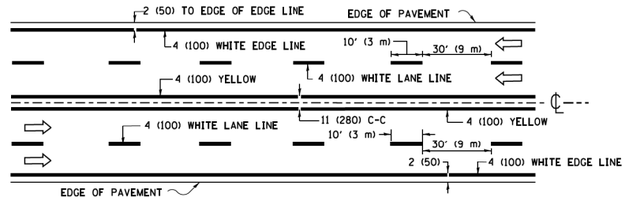
TURN LANES

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

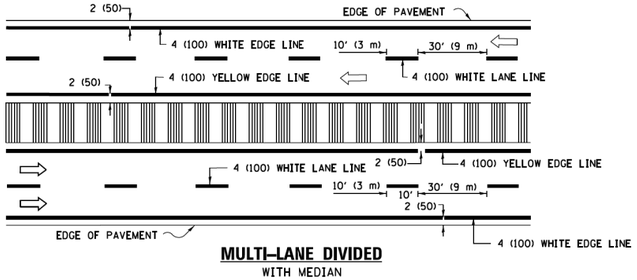
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	F.A. RTE. 1342	SECTION 21-00052-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 24
	DRAWN -	REVISED - T. RAMMACHER 01-06-00			TC-11		CONTRACT NO. 61H43		
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.		ILLINOIS FED. AID PROJECT LHSC(581)			
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13							



2–LANE ROADWAY

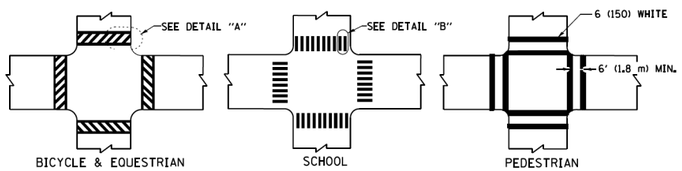


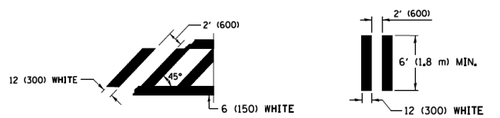
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

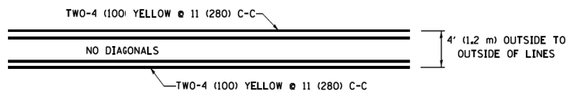




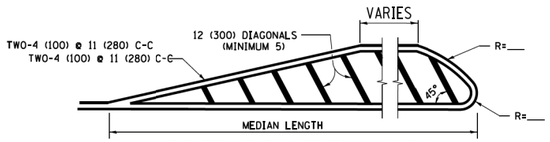
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



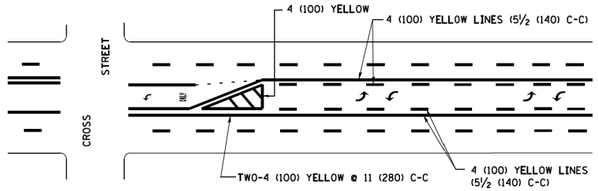
4' (1.2 m) WIDE MEDIANS ONLY



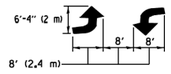
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

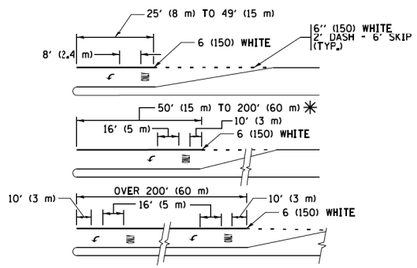


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

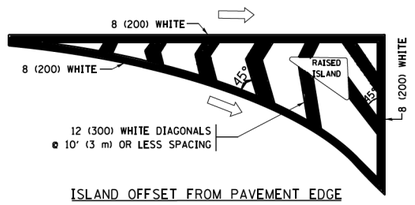


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

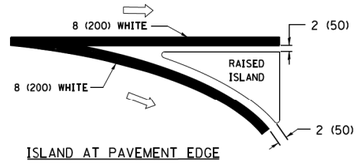
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

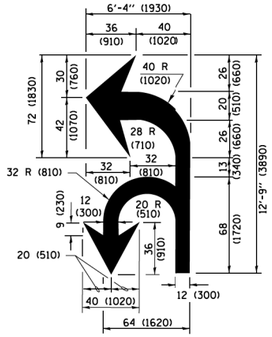


ISLAND OFFSET FROM PAVEMENT EDGE

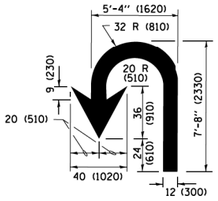


ISLAND AT PAVEMENT EDGE

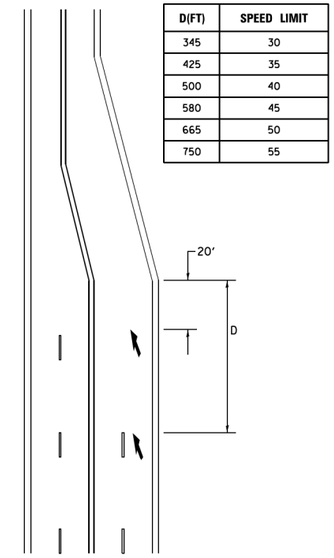
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

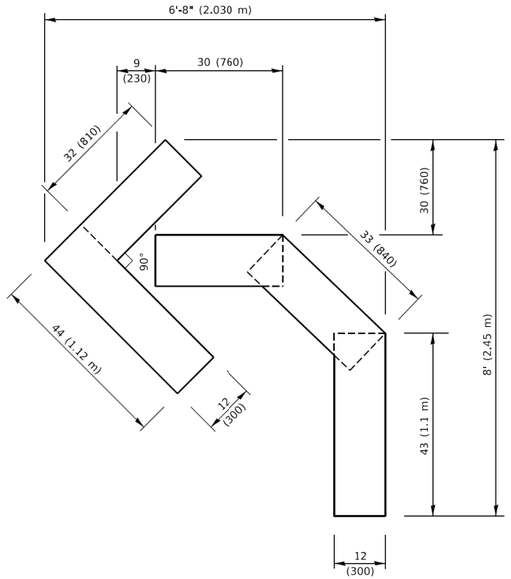
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⊘ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⊘ 4 (100)	SOLID SOLID	YELLOW YELLOW	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.

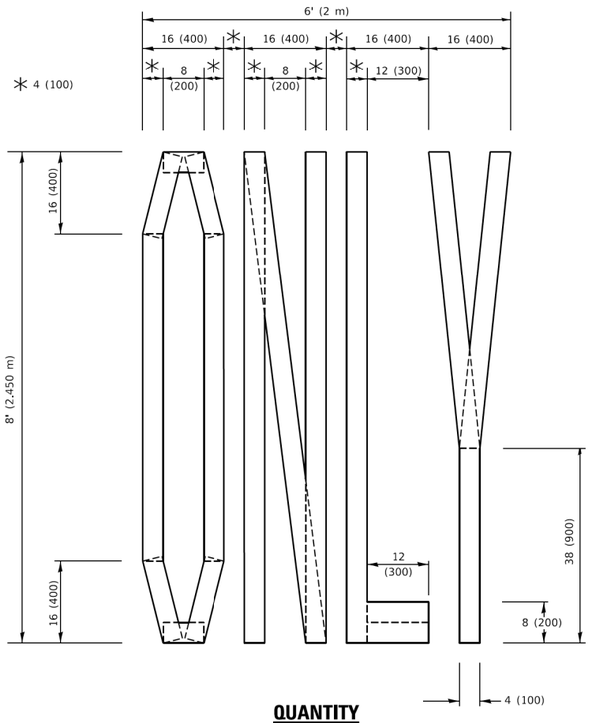
FILE NAME = W:\diststd\22x34\tcl3.dgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**
		DRAWN -	REVISED - C. JUCIUS 07-01-13		
Default	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	25
	TC-13	CONTRACT NO. 61H43		
		ILLINOIS FED. AID PROJECT	LR5C(581)	



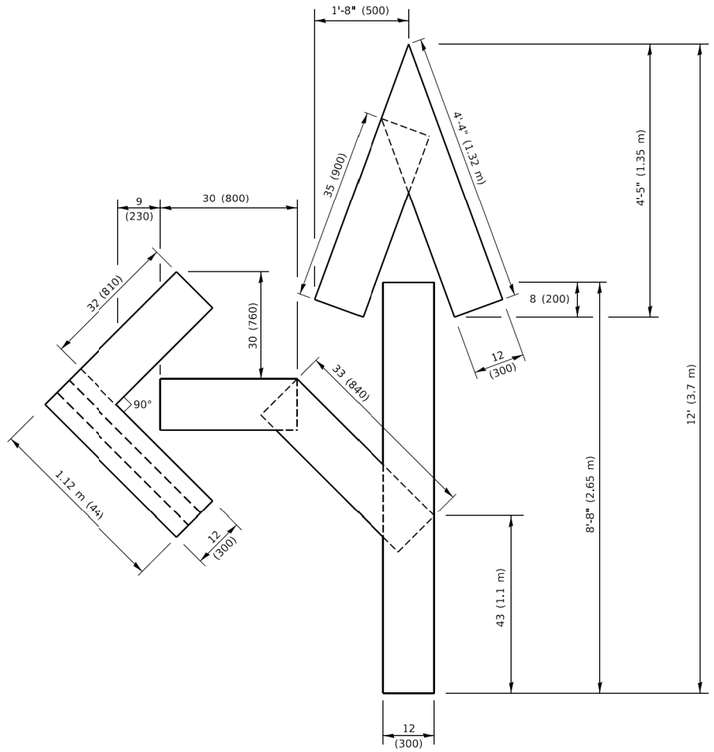
QUANTITY

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)

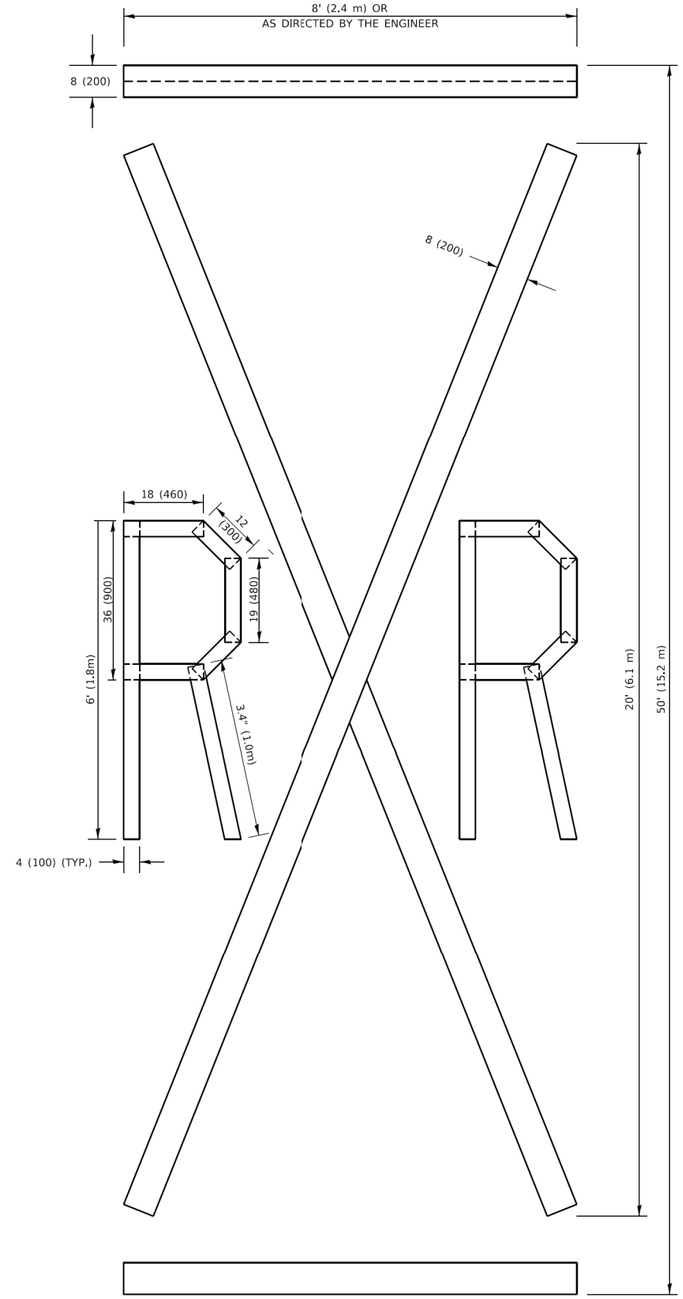


QUANTITY

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.

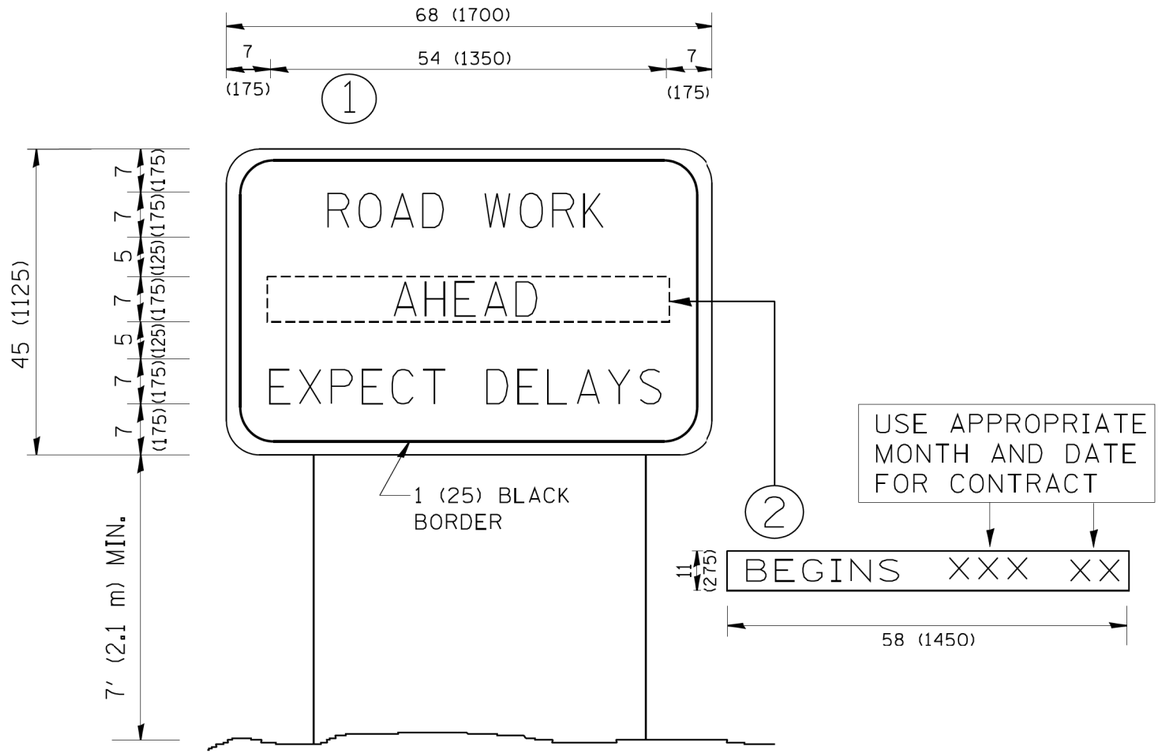
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	26
	TC-16	CONTRACT NO. 61H43		
	ILLINOIS	FED. AID PROJECT	LR5C(581)	



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.

morrig 11/17/2020 10:22:47 AM in:\Azure\SELGV\20065-Spring St STP Resur\CAD\Phase II Sheets\DISTRICT ONE DETAILS - TC.dgn

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

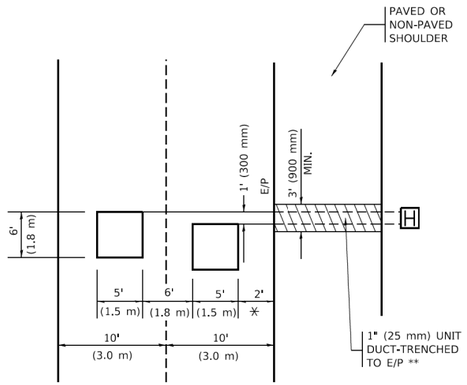
ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1342	21-00052-00-RS	KANE	28	27
	TC-22	CONTRACT NO. 61H43		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	LR5C(581)	

LOOPS NEXT TO SHOULDERS

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



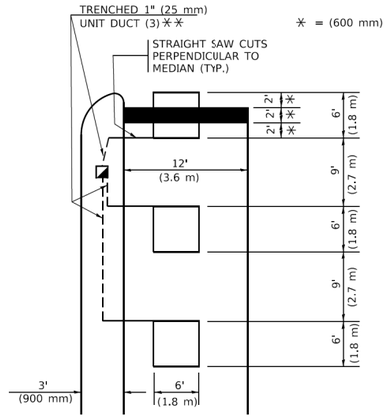
✳ = (600 mm)

✳✳ 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.



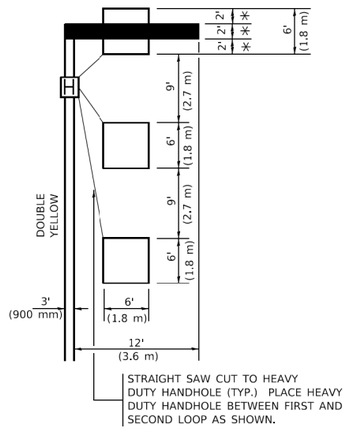
✳✳ UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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.

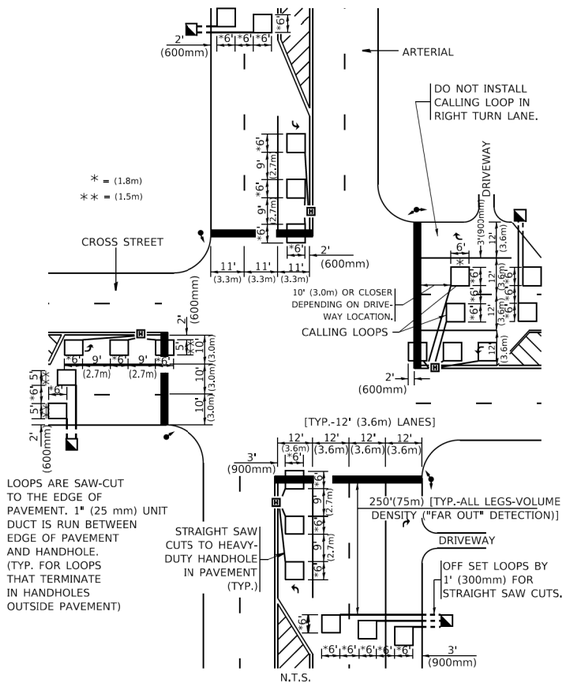
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

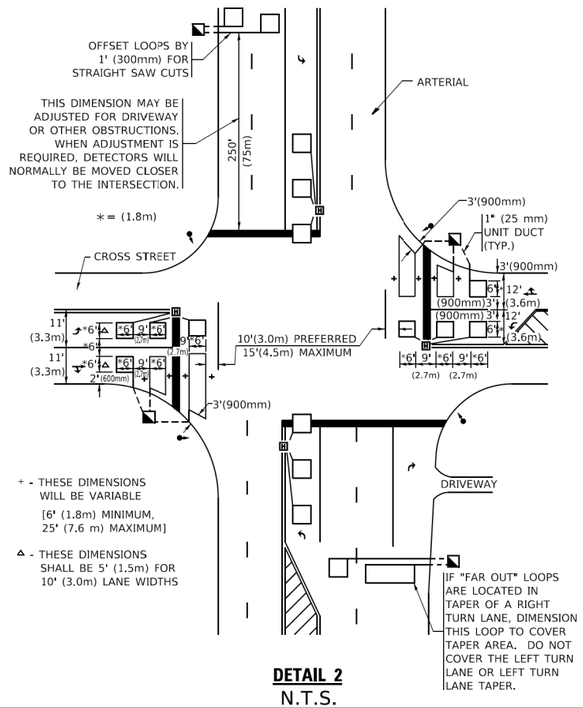
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			28	28
	TS–07	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			