



1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, THE JANUARY 1, 2022 EDITION OF THE "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE JANUARY 1, 2025 EDITION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 11th EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE JANUARY 1, 2022 EDITION OF THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE 8th EDITION "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. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
4. THE CONTRACTOR SHALL SUBMIT PARTIAL WAIVERS OF LIEN FROM ALL SUBCONTRACTORS AND SUPPLIERS WITH EACH PARTIAL PAYMENT ESTIMATE AND CONTRACTOR'S AFFIDAVIT FOR SUBCONTRACTORS AND SUPPLIERS WITH SECOND PAYMENT REQUEST FOR THE PREVIOUS PAYMENT ESTIMATES AND THEN WITH ALL SUBSEQUENT PAYMENT ESTIMATES.
5. THE ENGINEER WILL FURNISH A RESIDENT ENGINEER (RE) TO ASSIST THE ENGINEER IN PROVIDING JOB-SITE OBSERVATION OF THE CONTRACTOR'S WORK. THE RE WILL PROVIDE BASE LINES, BENCHMARKS AND REFERENCE POINTS, ASSIST THE CONTRACTOR WITH INTERPRETATION OF THE PLANS AND SPECIFICATIONS, OBSERVE IN GENERAL IF THE CONTRACTOR'S WORK IS IN CONFORMITY WITH THE CONTRACT DOCUMENTS, AND MONITOR THE CONTRACTOR'S PROGRESS AS RELATED TO THE DATE OF COMPLETION. THE LIMITATIONS ON AUTHORITY AND RESPONSIBILITY OF THE ENGINEER SHALL ALSO APPLY TO THE ENGINEER'S CONSULTANTS, RESIDENT ENGINEER AND ASSISTANTS.
6. 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 CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
7. ACCESS TO THE ROADWAY AND 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 AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROAD) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
8. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE CITY 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 CITY 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.
9. THE CONTRACTOR WILL BE REQUIRED TO USE A STEEL PLATE OR PLATES TO CLOSE ANY GAPS OCCURRING WHEN A FRAME IS OFFSET FROM THE STRUCTURE. THE STEEL PLATE SHALL BE ½-INCH THICK AND APPROXIMATELY 6-INCH WIDE BY 24-INCH LONG. SOME ADJUSTMENT IN SIZE MAY BE NECESSARY TO PREVENT THE STEEL PLATE FROM OVERHANGING THE OUTSIDE OF THE STRUCTURE WALL. THE STEEL PLATE SHALL BE BEDDED IN AND COVERED WITH MORTAR.
10. 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.
11. A 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.
12. 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 MUNICIPALITY 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.
13. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½. 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.

GENERAL NOTES

14. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN AT THE PRECONSTRUCTION CONFERENCE. NO WORK SHALL COMMENCE UNTIL THIS HAS BEEN APPROVED BY THE CITY. THE CITY RESERVES THE RIGHT TO RESTRICT WORK IF CONSTRUCTION OPERATIONS ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS. IT IS ANTICIPATED THAT TRAFFIC PATTERNS WILL BE SHIFTED AND REDUCED TO ONE LANE IN EITHER DIRECTION. ALL TRAFFIC CONTROL SHALL BE IN COMPLIANCE WITH APPLICABLE IDOT HIGHWAY STANDARDS.
15. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TRESS SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT IF EXISTING PLAN MATERIAL REQUIREMENTS STATED HERIEN
16. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
17. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO PROXIMITY TO THE EXISTING POUNDS OR WATER BODIES. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
18. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD COMPANY WHENEVER CONSTRUCTION ACITIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD COMPANY TO MONITOR ON-COMING TRAIN TRAFFIC AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, AND INDEX OF SHEETS
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HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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
442201-03 CLASS C AND D PATCHES
604001-05 FRAME AND LIDS TYPE 1
604051-04 FRAME AND GRATE TYPE 11
606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10 TRAFFIC CONTROL DEVICES
720001-01 SIGN PANEL MOUNTING DETAILS
720006-04 SIGN PANEL ERECTION DETAILS
728001-01 TELESOPING STEEL SIGN SUPPORT
780001-05 TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

COMMITMENTS

NONE

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Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 5 SHEETS	STA. TO STA.


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	3
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

				CONSTRUCTION
				75% STU
				25% Local
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Roadway
				0005
				Urban
20101100	TREE TRUNK PROTECTION	EACH	15	15
20101200	TREE ROOT PRUNING	EACH	15	15
20101700	SUPPLEMENTAL WATERING	UNIT	87	87
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	34	34
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	405	405
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,604	1,604
25000210	SEEDING, CLASS 2A	ACRE	1	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36
25100630	EROSION CONTROL BLANKET	SQ YD	1,604	1,604
28000510	INLET FILTERS	EACH	112	112
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	14	14
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	81	81
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,107	1,107
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	229	229
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	222	222

* INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 2	OF 5 SHEETS	STA. TO STA.


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	4
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				75% STU 25% Local
				Roadway
				0005
				Urban
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	35,892	35,892
40600370	LONGITUDINAL JOINT SEALANT	FOOT	31,857	31,857
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	21	21
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,323	2,323
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	8,933	8,933
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	5,956	5,956
42001300	PROTECTIVE COAT	SQ YD	1,107	1,107
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10,317	10,317
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	100	100
42400800	DETECTABLE WARNINGS	SQ FT	142	142
44000168	HOT-MIX ASPHALT SURFACE REMOVAL, 4 3/4"	SQ YD	53,172	53,172
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	305	305
44000600	SIDEWALK REMOVAL	SQ FT	10,715	10,715
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	10	10
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	48	48
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	40	40

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	5
		CONTRACT NO. 61L71		
		ILLINOIS FED. AID PROJECT SEQ4(111)		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				75% STU 25% Local
				Roadway
				0005
				Urban
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	307	307
60404800	FRAMES AND GRATES, TYPE 11	EACH	6	6
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	34	34
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30
67100100	MOBILIZATION	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	200	200
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17,535	17,535
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,845	5,845

* INDICATES SPECIALTY ITEM

BAXTER & WOODMAN

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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	6
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				75% STU 25% Local
				Roadway
				0005
				Urban
70300211	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - PAINT	SQ FT	130	130
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	65,604	65,604
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	1,503	1,503
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	3,099	3,099
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	546	546
* 72000100	SIGN PANEL - TYPE 1	50 FT	108	108
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	15	15
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	100	100
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	130	130
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,868	21,868
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	501	501
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,033	1,033
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	182	182
78300200	RAISE REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	30	30
X0327611	REMOVE AND REINSTALL BRICK PAVER	50 FT	100	100
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	112	112

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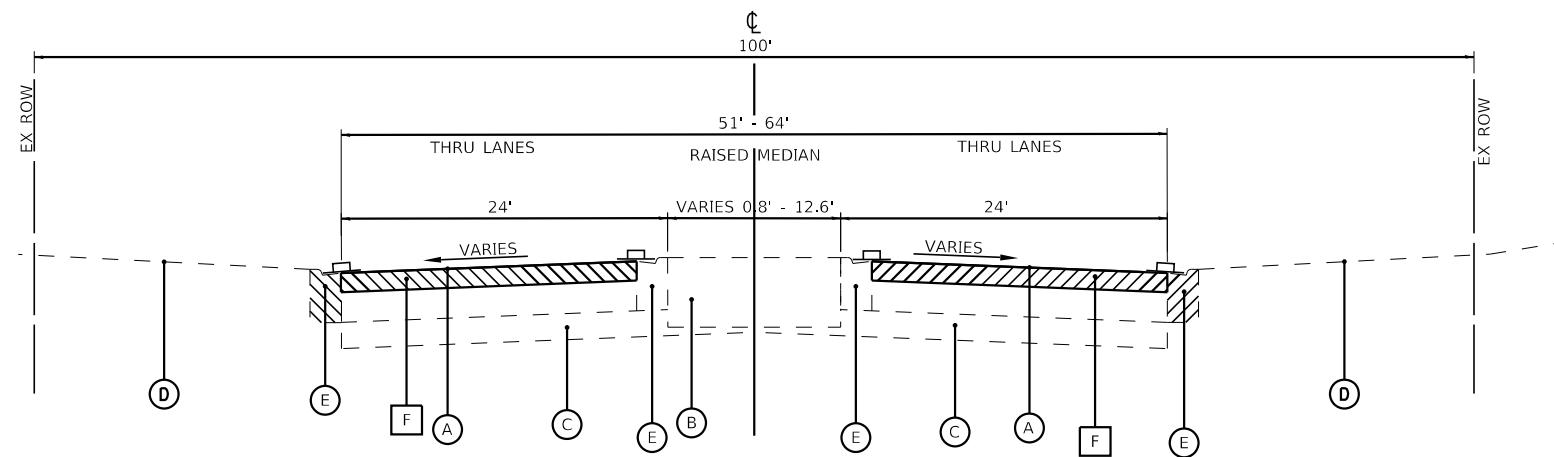
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-RS	COOK	35	7
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

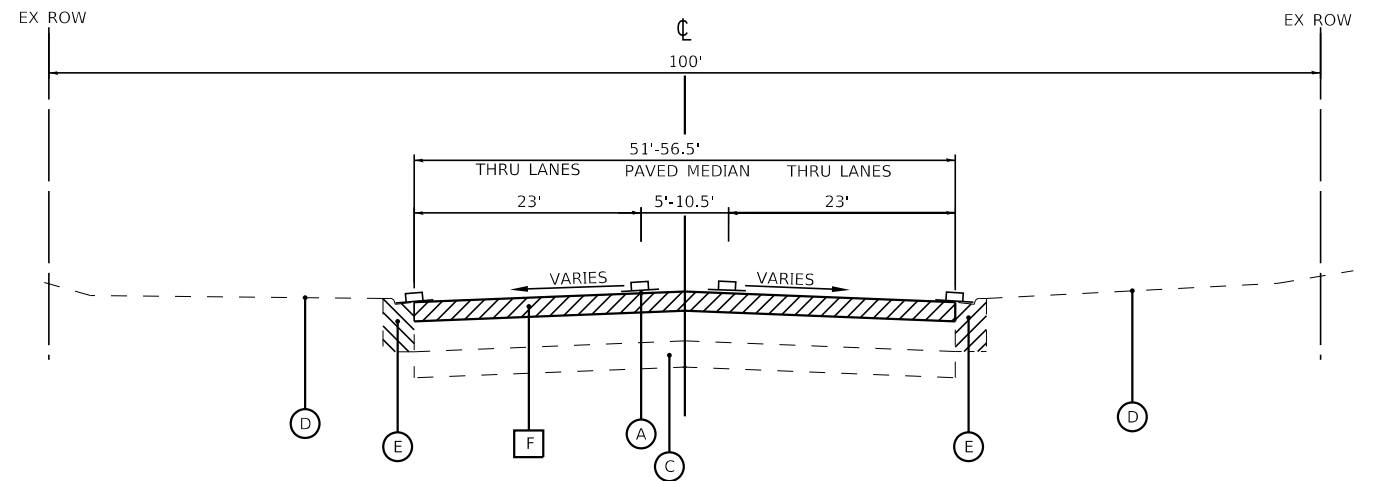
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				75% STU 25% Local
				Roadway
				0005 Urban
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	16	16
X4230710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (SPECIAL)	SQ YD	271	271
X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (SPECIAL)	SQ YD	34	34
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	1,875	1,875
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	6,066	6,066
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	95	95
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	206	206
* X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	300	300
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	598	598
XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	295	295
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	66	66
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	2	2
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1

* INDICATES SPECIALTY ITEM



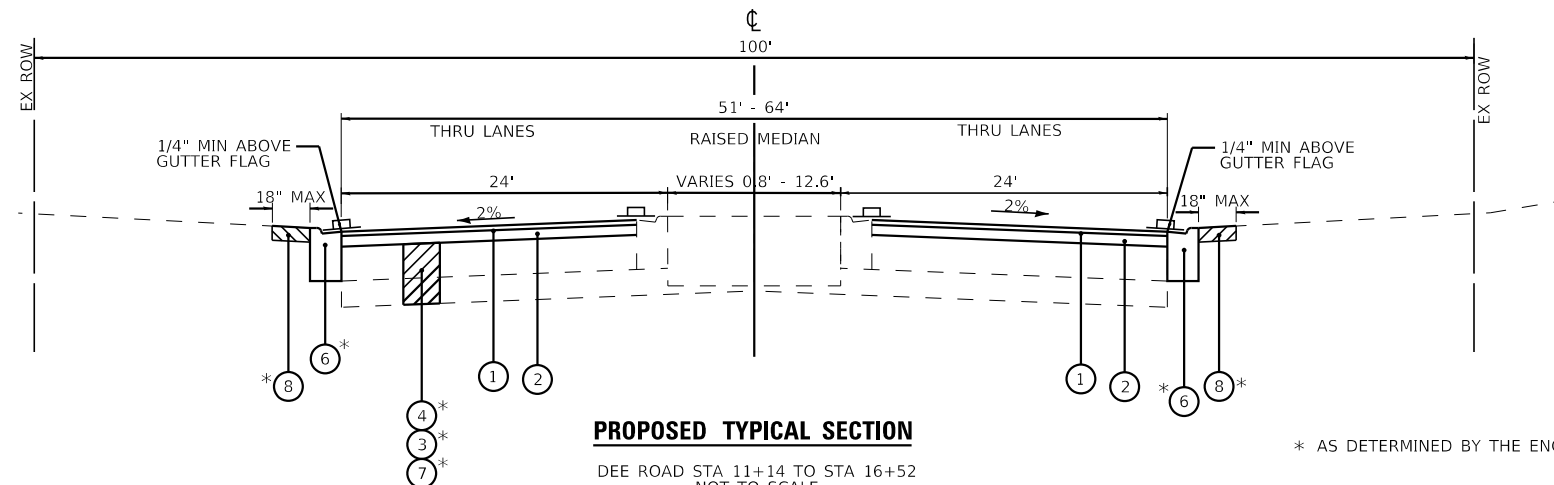
EXISTING TYPICAL SECTION

DEE ROAD STA 11+14 TO STA 16+52
NOT TO SCALE



EXISTING TYPICAL SECTION

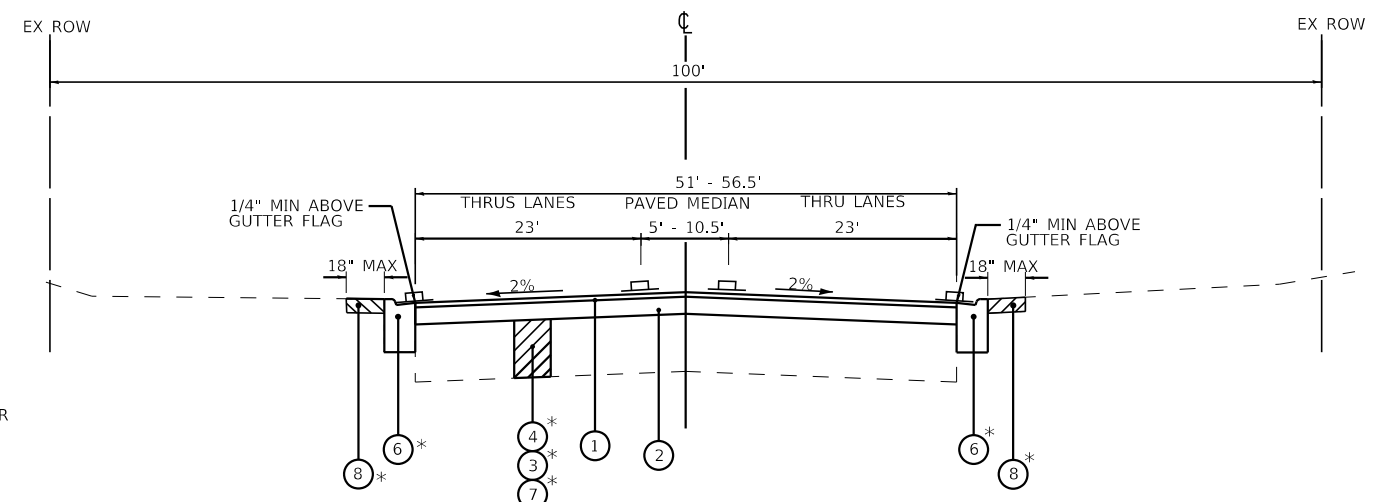
DEE ROAD STA 16+52 TO STA 44+67
NOT TO SCALE



PROPOSED TYPICAL SECTION

DEE ROAD STA 11+14 TO STA 16+52
NOT TO SCALE

* AS DETERMINED BY THE ENGINEER











PROPOSED TYPICAL SECTION

DEE ROAD STA 16+52 TO STA 44+67
NOT TO SCALE

* AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- | | |
|---|--|
|  | EXISTING HOT-MIX ASPHALT PAVEMENT |
|  | EXISTING CONCRETE MEDIAN |
|  | EXISTING AGGREGATE BASE COURSE |
|  | EXISTING GROUND SURFACE |
|  | EXISTING CONCRETE CURB AND GUTTER |
|  | HOT-MIX ASPHALT SURFACE REMOVAL, 4.75" |
|  | EXISTING SIDEWALK |
|  | REMOVAL ITEM |

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 3"
- ③ AGGREGATE SUBGRADE IMPROVEMENTS 12" (SQ. YD.)
- ④ CLASS D PATCHES, 8" *
- ⑤ PCC SIDEWALK REMOVAL AND REPLACEMENT *
- ⑥ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT *
- ⑦ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑧ PARKWAY RESTORATION (SEEDING) *

NOTE:
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

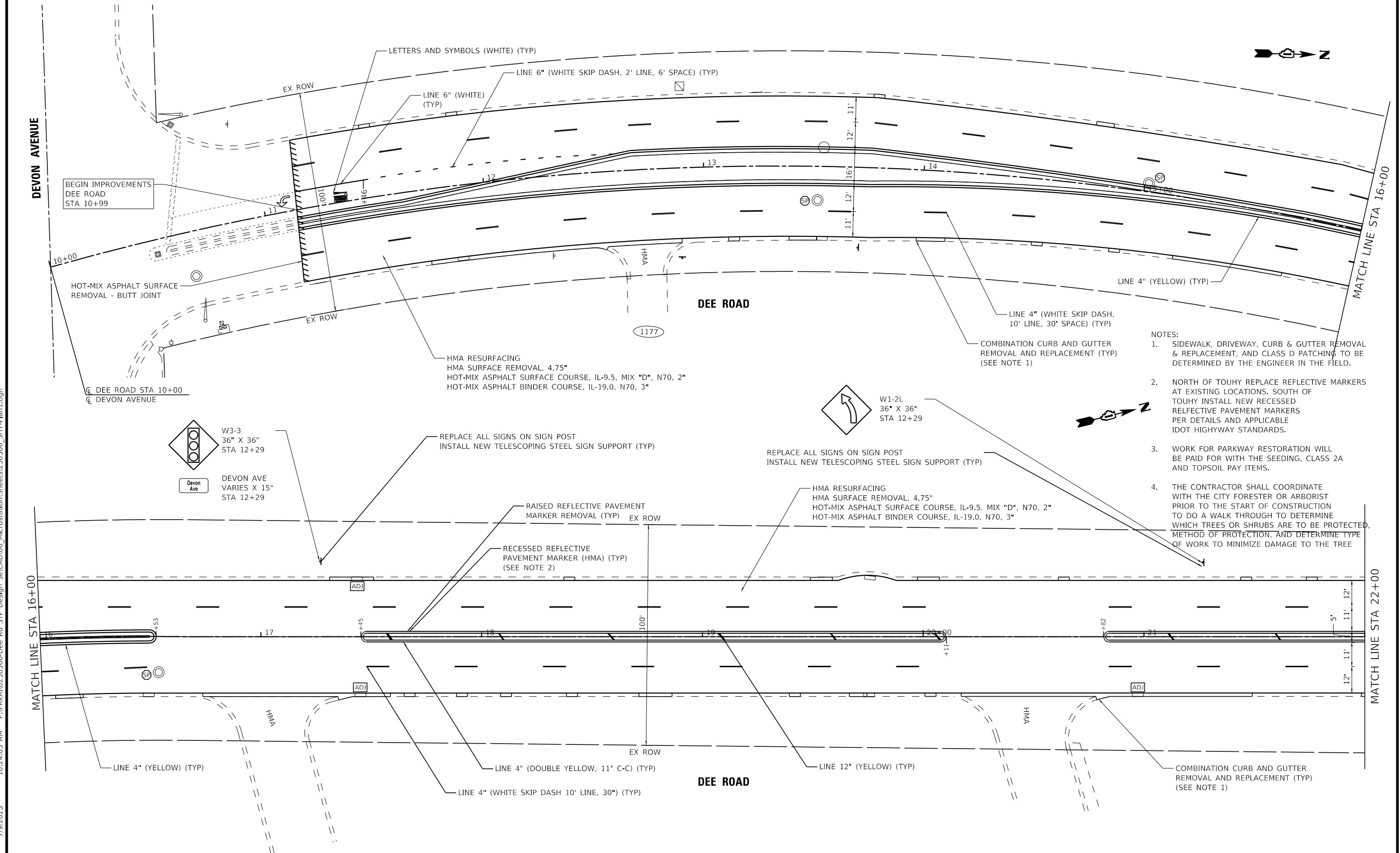
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2"	4% @ 70 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 3"	4% @ 70 Gyr.	LR1030-2
HMA DRIVEWAY REMOVAL & REPLACEMENT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3" (2 lifts)	4% @ 50 Gyr.	LR1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm); 8"	4% @ 70 Gyr.	LR1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

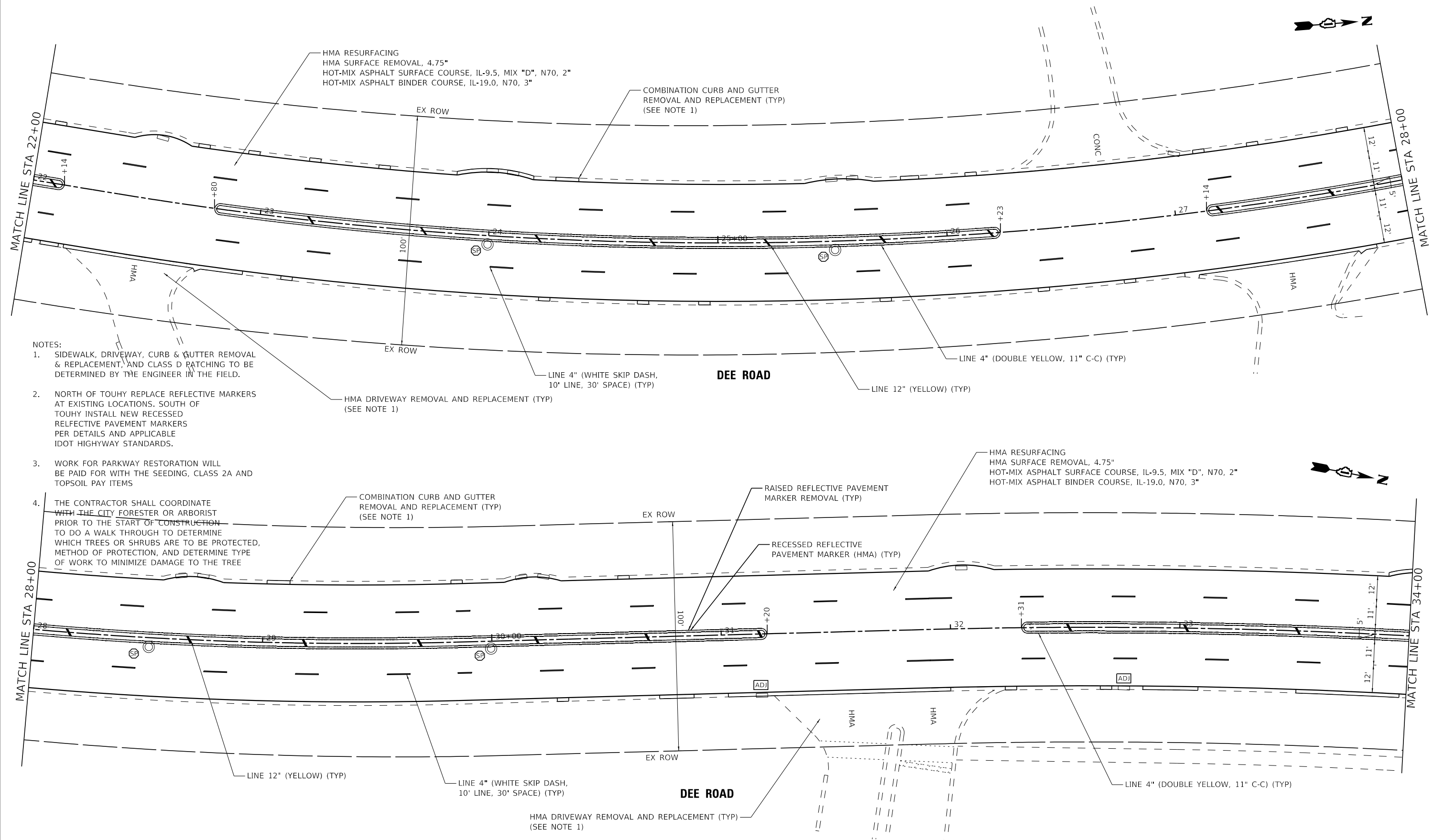
NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/LN.
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 LOGITUDINAL JOINT SEALANT SHALL BE PLACED ON HMA BC IL-19.0 N70.

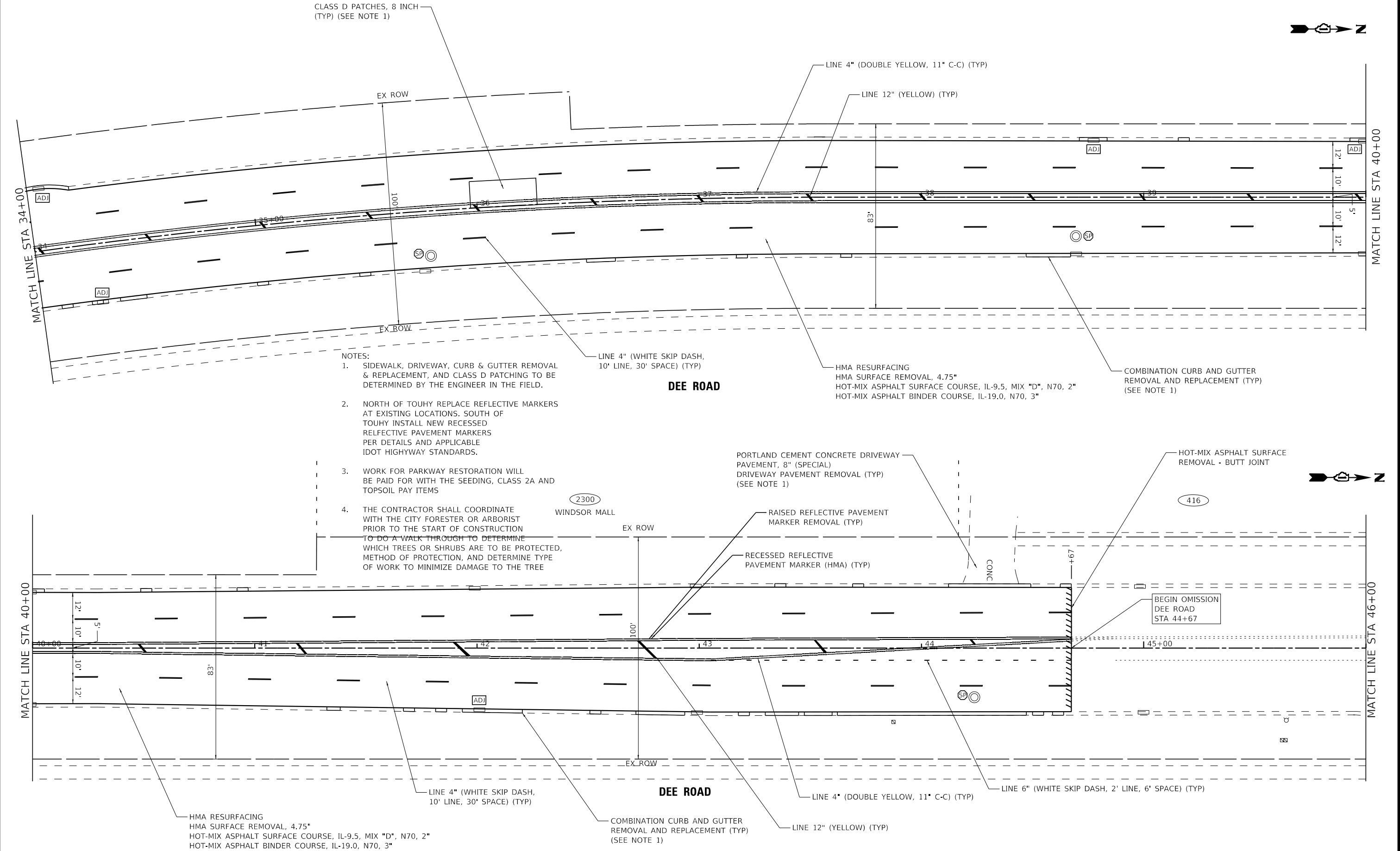
EXISTING PAVEMENT THICKNESS DATA		
CORE	HMA PAVEMENT (INCHES)	AGGREGATE BASE (INCHES)
C-1	11.75	6.75
C-2	5.5	NA
C-3	13.25	3.75
C-4	10.75	5.75
C-5	15	1
C-6	12.25	5.75
C-7	13.25	4.25
C-8	12.25	4.75
C-9	13.75	1.25
C-10	11.75	6.75
C-11	12	6
C-12	13.5	9.5
C-13	13.75	9.25
C-14	13.25	2.25
C-15	10.25	4.5
C-16	12.75	3.75
C-17	12	3
C-18	12.5	4.5
C-19	11.5	10.5
C-20	13.75	8.75
C-21	12.5	5.5
C-22	10.75	6.75
C-23	12	4
C-24	12.75	6.75
C-25	11.75	8.75
C-26	12.25	10.75
C-27	11.5	11.5
C-28	10.75	7.25
C-29	11	5
C-30	11	7

NOTE: PAVEMENT CORES
AVAILABLE UPON REQUEST





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BAXTER & WOODMAN
Consulting Engineers

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	DRAWN - MAC	REVISED -
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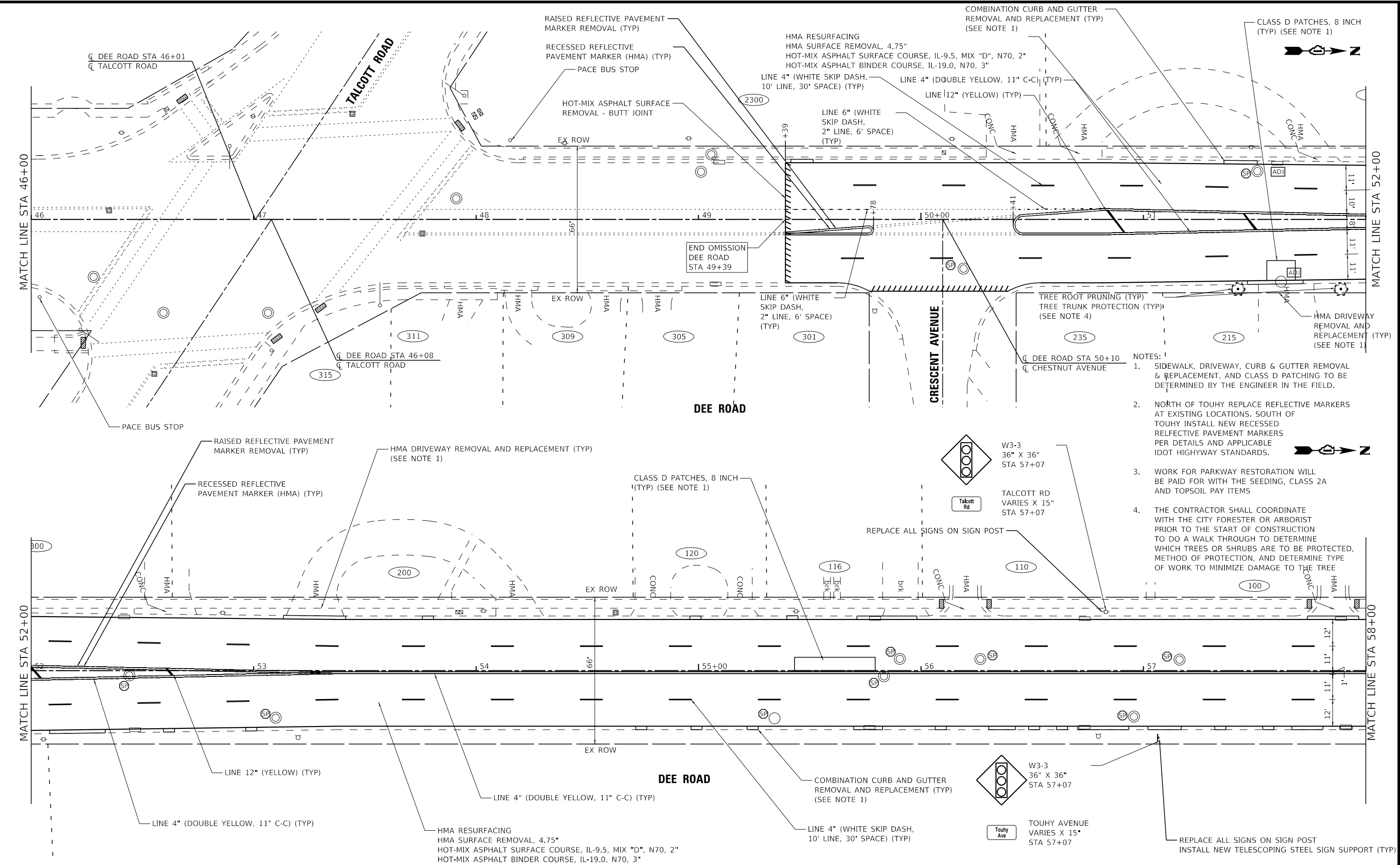
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
DEE ROAD

SCALE: 1 = 20' SHEET 12 OF 35 SHEETS STA. 34+00 TO STA. 46+00

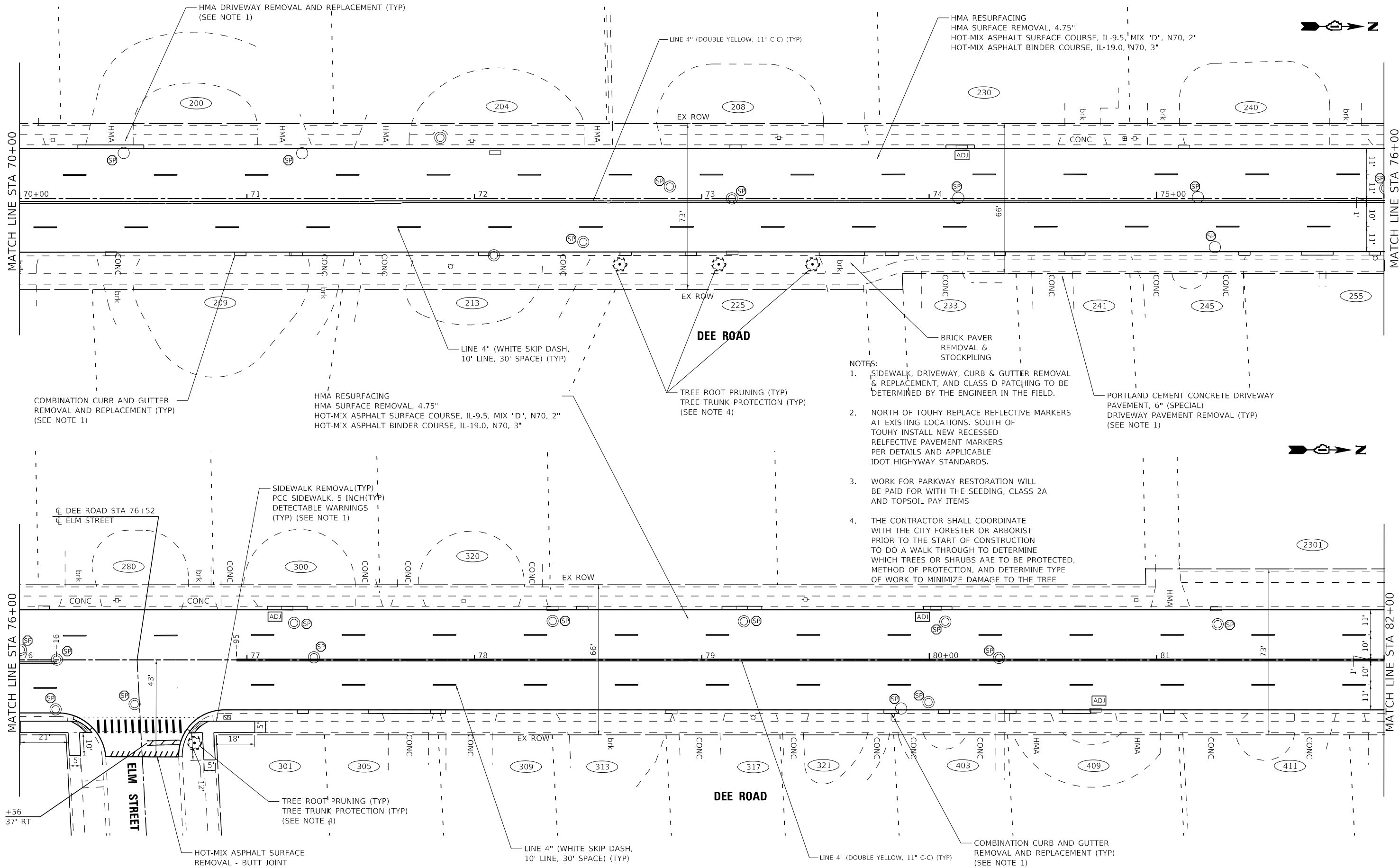
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	12
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

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shyder 7/9/2025
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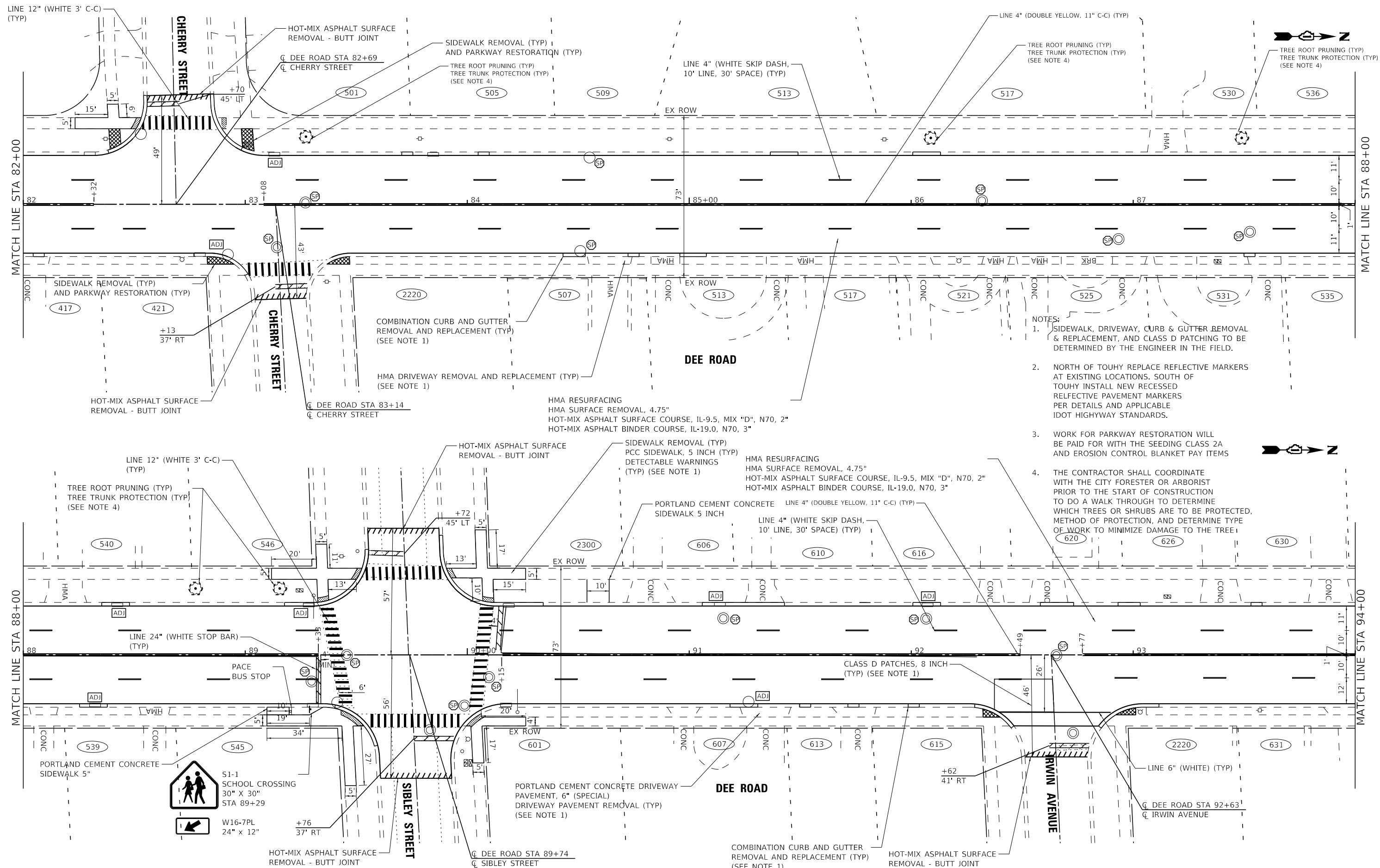


<div><div>BAXTER & WOODMAN</div><div>consulting Engineers</div></div>	USER NAME = shyder	DESIGNED - JA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN DEE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MAC	REVISED -						2729	23-00155-00-R5	COOK	35	13
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	PLOT DATE = 7/9/2025	DATE - 06-05-25	FILE - 230366_SHT-Plan4.dgn		ILLINOIS FED. AID PROJECT SEQ4(111)								
	SCALE: 1 = 20'				SHEET 13	OF 35 SHEETS	STA. 46+00	TO STA. 58+00					

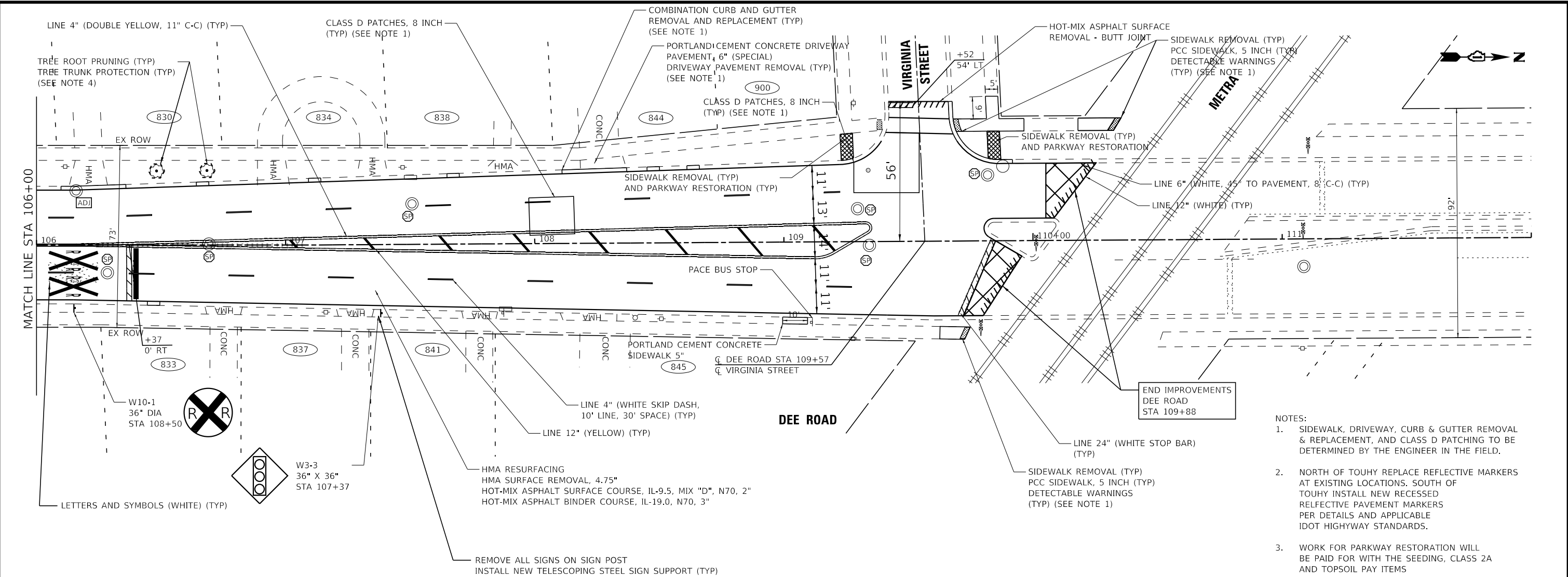
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<div><div>BAXTER & WOODMAN</div><div>Consulting Engineers</div></div>	USER NAME = shyder	DESIGNED - JA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN DEE ROAD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN - MAC	REVISED -							2729	23-00155-00-RS	COOK	35	15
	PLOT DATE = 7/9/2025	CHECKED - JBT	REVISED -		CONTRACT NO. 61L71									
		DATE - 06-05-25	FILE - 230366_SHT-Plan6.dgn		ILLINOIS FED. AID PROJECT SEQ4(111)									
					SCALE: 1 = 20'	SHEET 15	OF 35 SHEETS	STA. 70+00	TO STA. 82+00					



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- NOTES:
1. SIDEWALK, DRIVEWAY, CURB & GUTTER REMOVAL & REPLACEMENT, AND CLASS D PATCHING TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 2. NORTH OF TOUHY REPLACE REFLECTIVE MARKERS AT EXISTING LOCATIONS. SOUTH OF TOUHY INSTALL NEW RECESSED REFLECTIVE PAVEMENT MARKERS PER DETAILS AND APPLICABLE IDOT HIGHWAY STANDARDS.
 3. WORK FOR PARKWAY RESTORATION WILL BE PAID FOR WITH THE SEEDING, CLASS 2A AND TOPSOIL PAY ITEMS
 4. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FORESTER OR ARBORIST PRIOR TO THE START OF CONSTRUCTION TO DO A WALK THROUGH TO DETERMINE WHICH TREES OR SHRUBS ARE TO BE PROTECTED, METHOD OF PROTECTION, AND DETERMINE TYPE OF WORK TO MINIMIZE DAMAGE TO THE TREE
 5. WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUEING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE. (MUTCD SECTION 6G.18)

<div><div>BAXTER & WOODMAN</div><div>Consulting Engineers</div></div>	USER NAME = javila		DESIGNED - JA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN DEE ROAD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 40,0000 ' / in.		DATE - 06-05-25	FILE - 230366_SHT-Plan9.dgn		SCALE: 1 = 20'				SHEET 18 OF 35 SHEETS				CONTRACT NO. 61L71	
	PLOT DATE = 7/10/2025					STA. 106+00 TO STA. 118+00				ILLINOIS FED. AID PROJECT SEQ4(111)					

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PLOT DATE = 7/9/2025	DATE - 06-05-25	FILE - 230366_SHT-Detector_Loops.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN DEE ROAD AND DEVON AVENUE			
SCALE: 1" = 20'	SHEET 1	OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	19
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

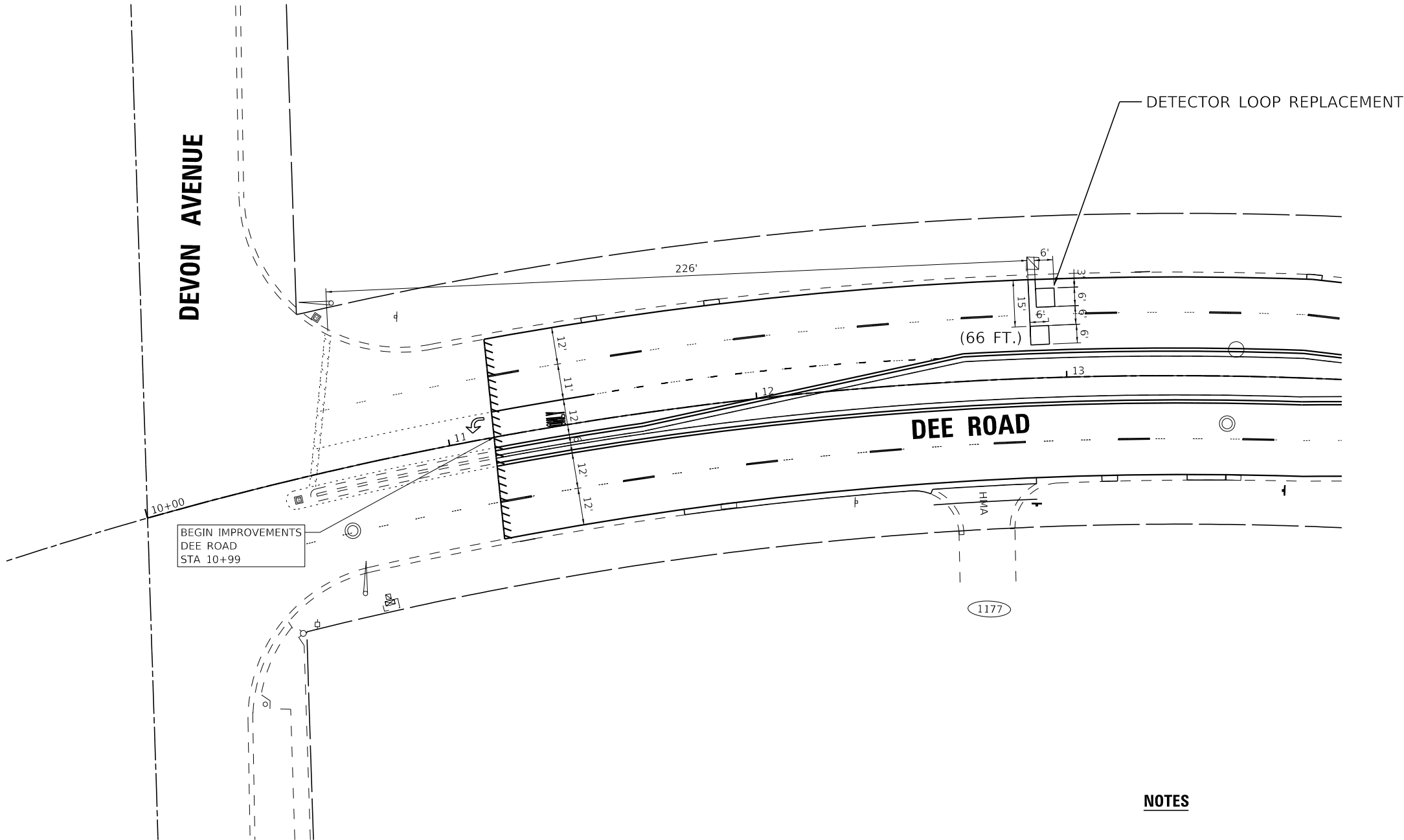
TS 5040

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

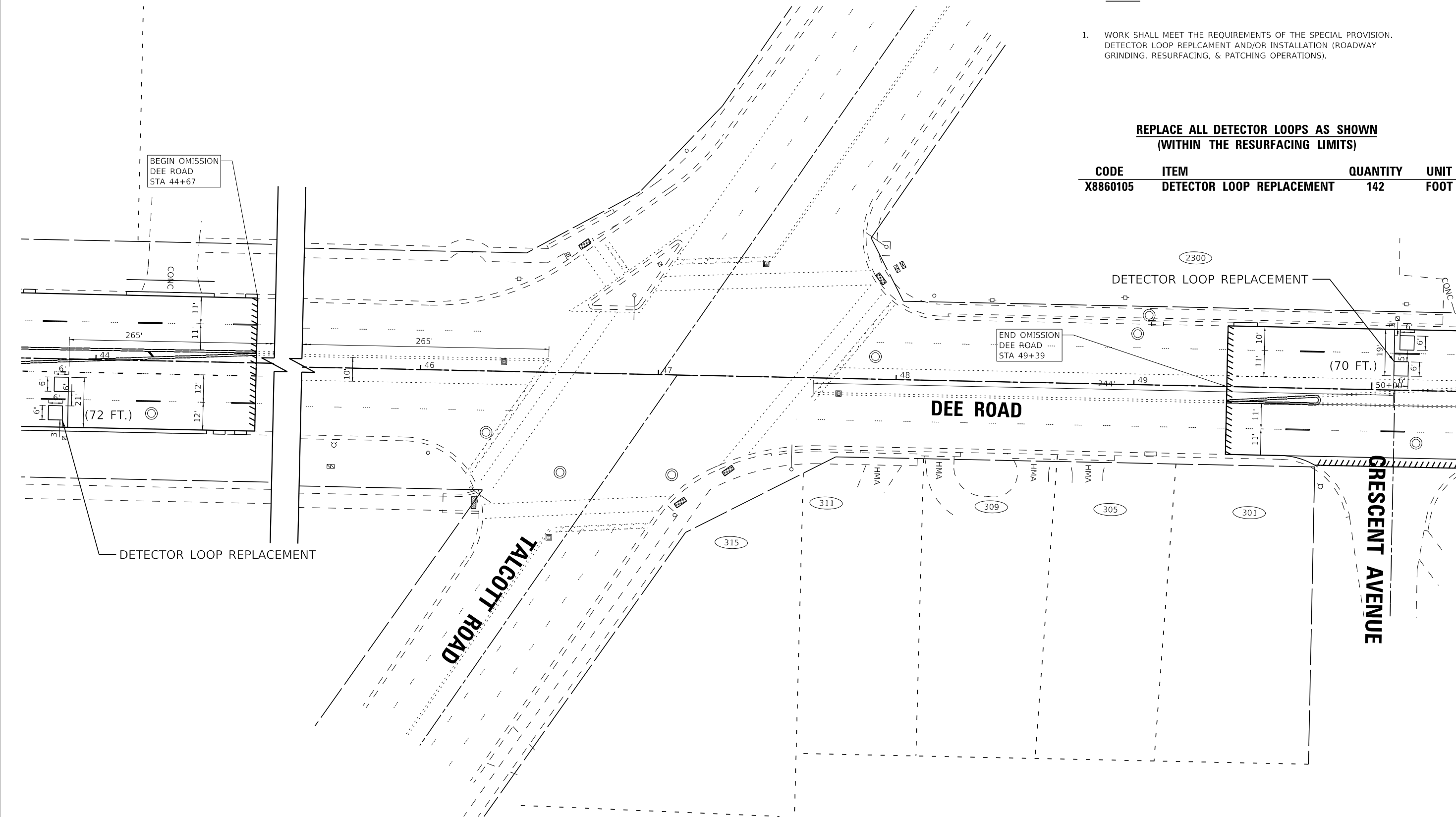
CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	66	FOOT

NOTES

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION. DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, & PATCHING OPERATIONS).



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NOTES



1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION. DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, & PATCHING OPERATIONS).

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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	142	FOOT

TS 5810
EAGLE 1F

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	PLOT DATE = 7/9/2025	CHECKED - JBT	REVISED -
		DATE - 06-05-25	FILE - 230366_SHT-Detector_Loops.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
DEE ROAD AND TALCOTT ROAD

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-RS	COOK	35	20
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

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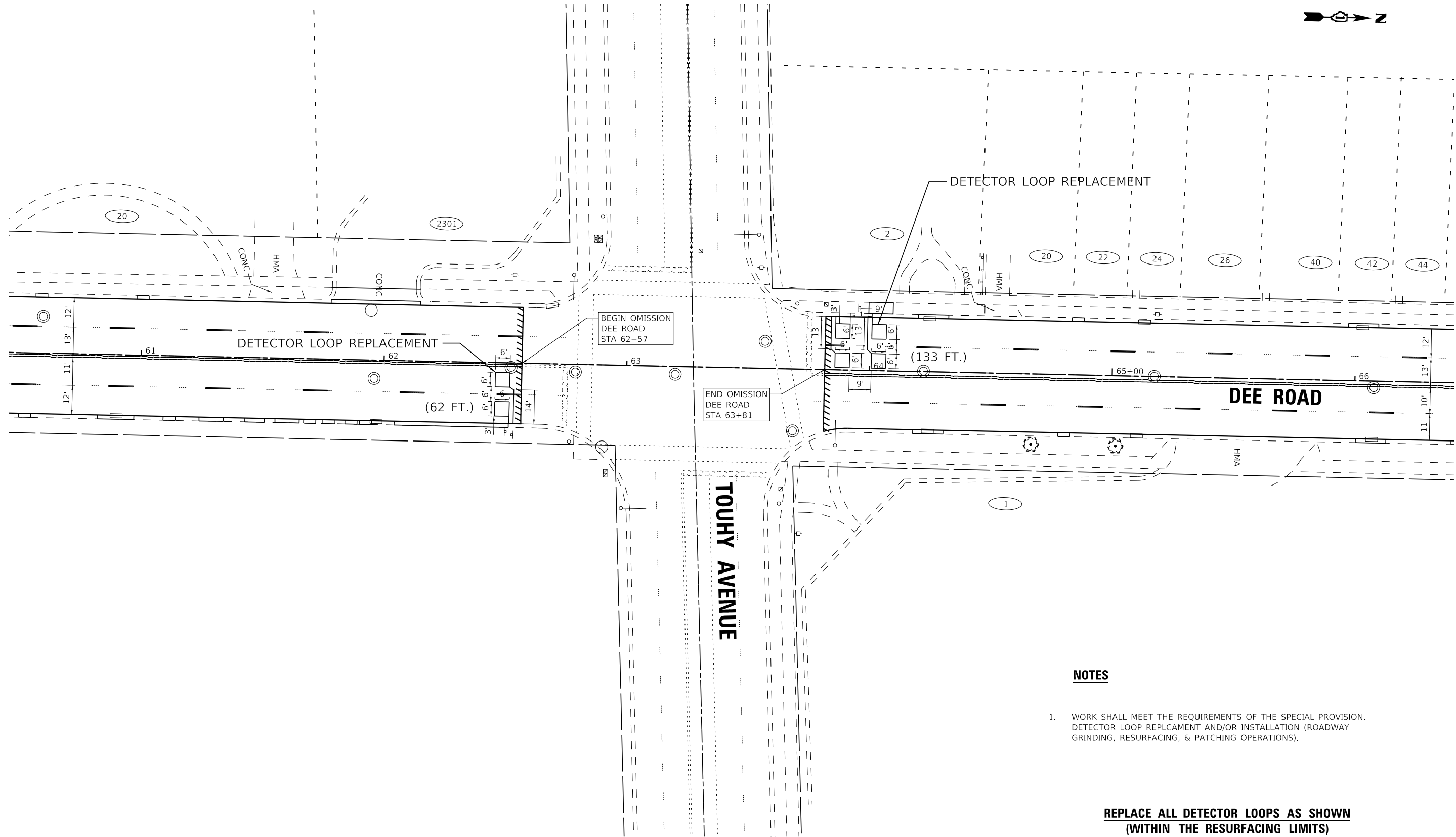
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
DEE ROAD AND TOUHY AVENUE

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-RS	COOK	35	21
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

TS 5830
EAGLE 1F



NOTES

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION. DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, & PATCHING OPERATIONS).

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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	195	FOOT



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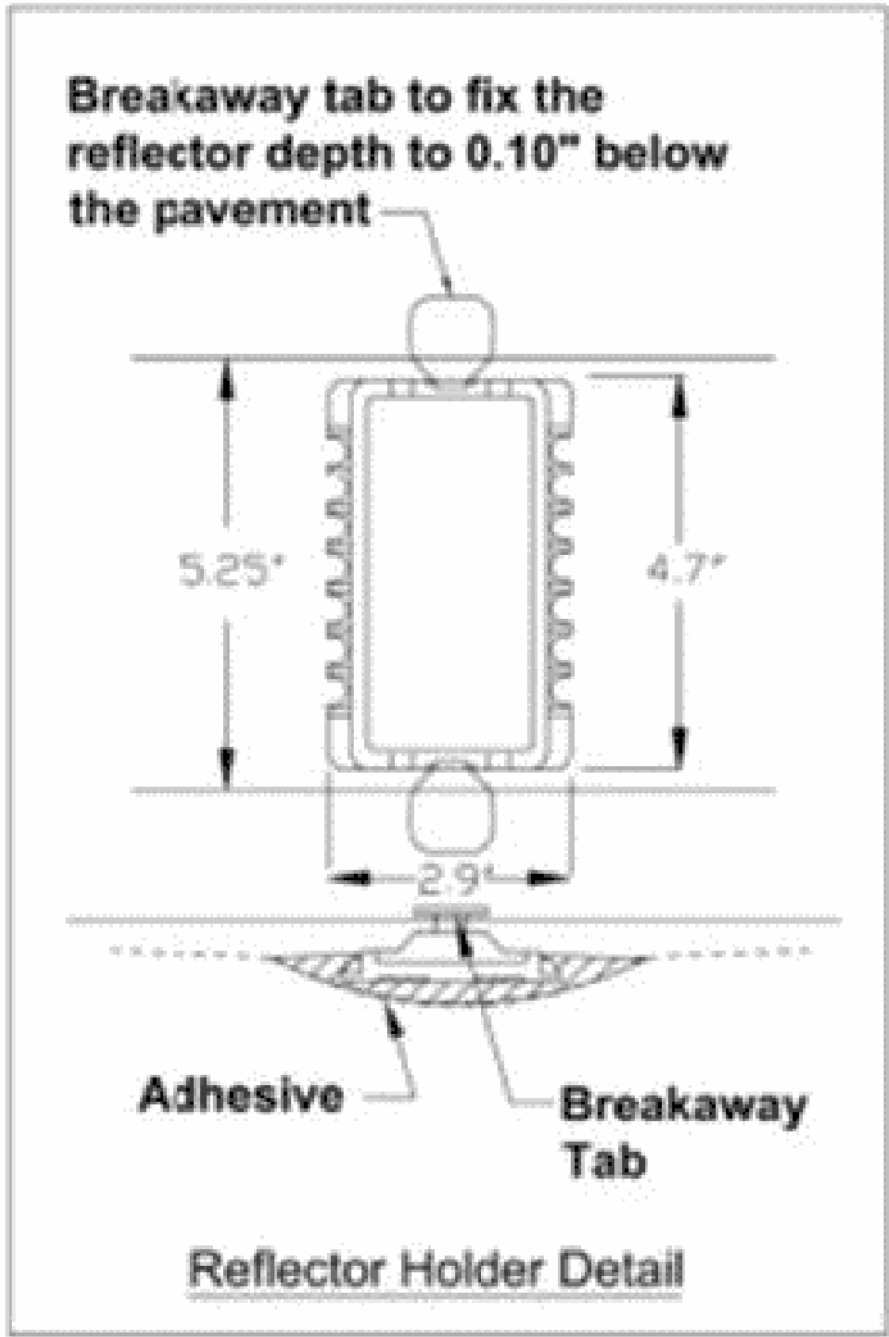
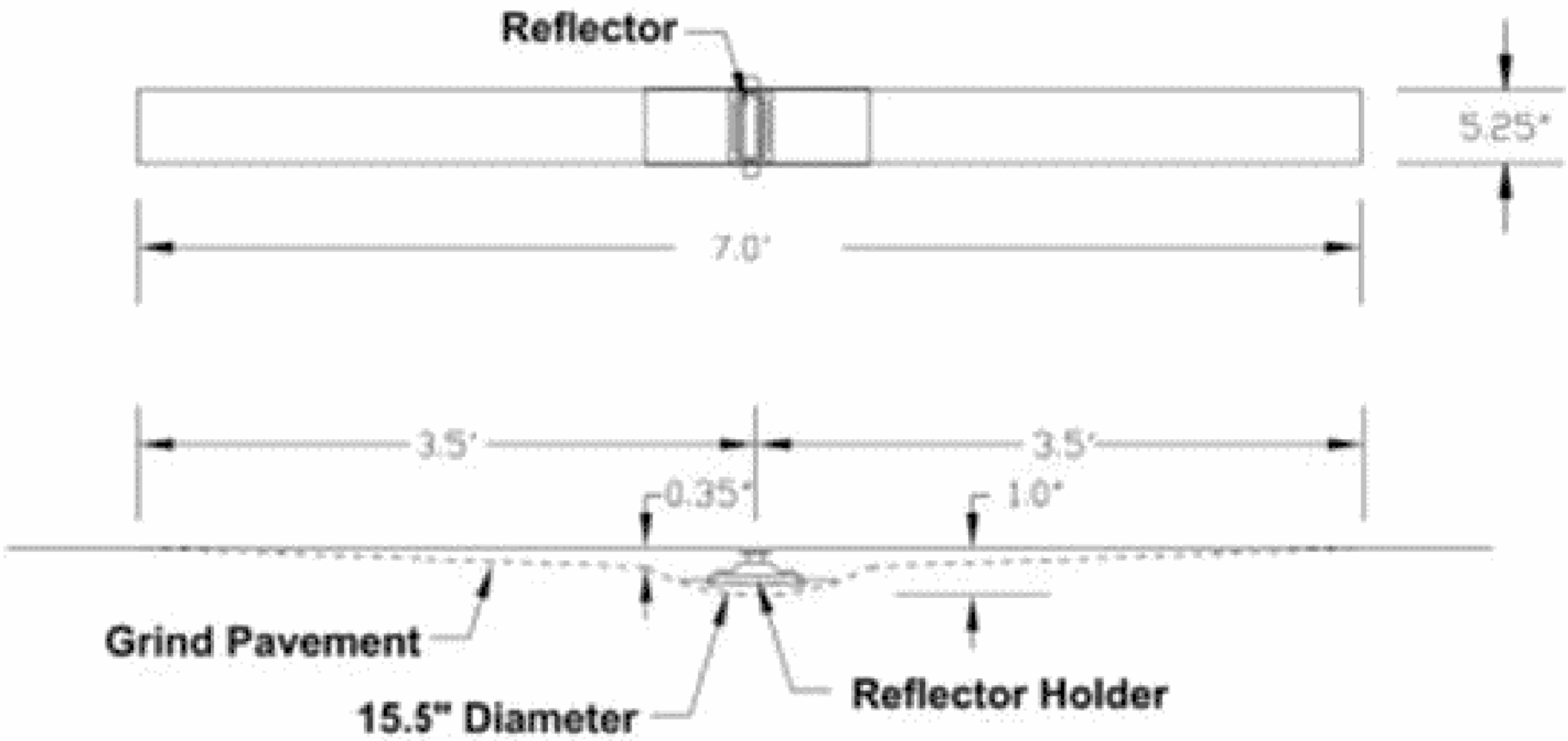
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION. DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, & PATCHING OPERATIONS).
2. NO DETECTOR LOOPS LOCATED ON DEE ROAD AT DEE ROAD AND SIBLEY INTERSECTION. DEE ROAD PHASES ARE ON RECALL.

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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	192	FOOT

<div><div>BAXTER & WOODMAN</div><div>Consulting Engineers</div></div>	USER NAME = shyder	DESIGNED - JA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN DEE ROAD AND SIBLEY STREET			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MAC	REVISED -					2729	23-00155-00-R5	COOK	35	22
	PLOT SCALE = 40,0000 ' / in.	CHECKED - JBT	REVISED -					CONTRACT NO. 61L71				
	PLOT DATE = 7/9/2025	DATE - 06-05-25	FILE - 230366_SHT-Detector_Loops.dgn		SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT SEQ#(111)				

RECESSED PAVEMENT MARKER



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7/9/2025
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Consulting Engineers

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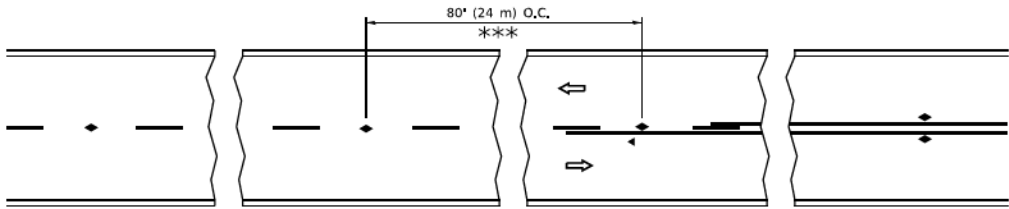
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: 1" = 5' SHEET 2 OF 2 SHEETS STA. TO STA.

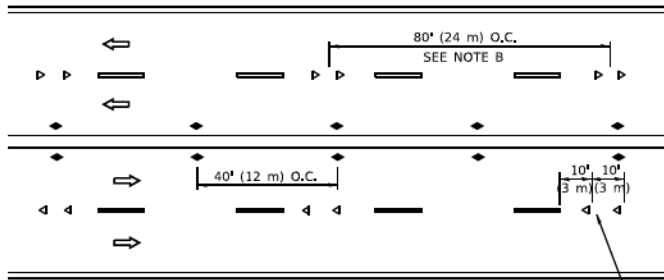
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2729	23-00155-00-R5	COOK	35	23
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				

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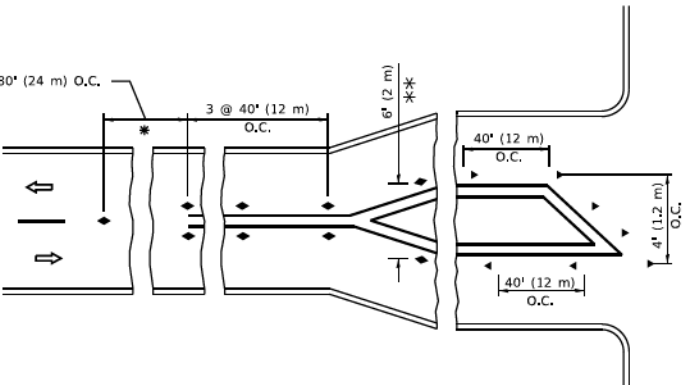
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

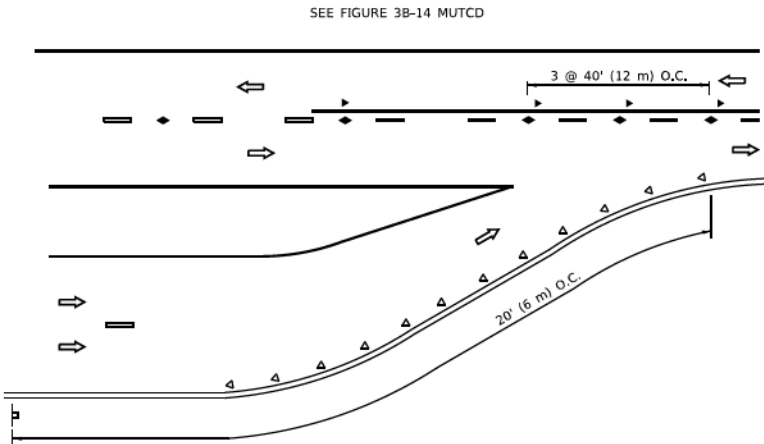


SEE NOTE A

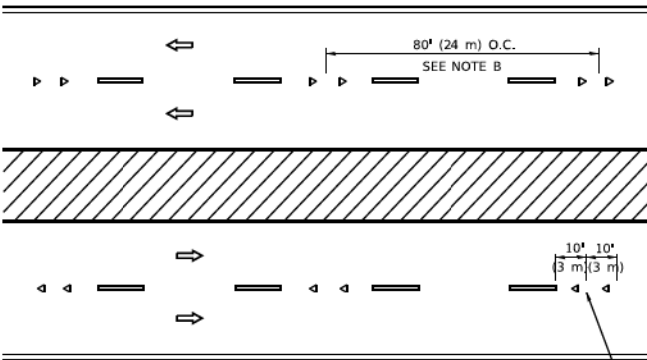
MULTI-LANE/UNDIVIDED



TURN LANES

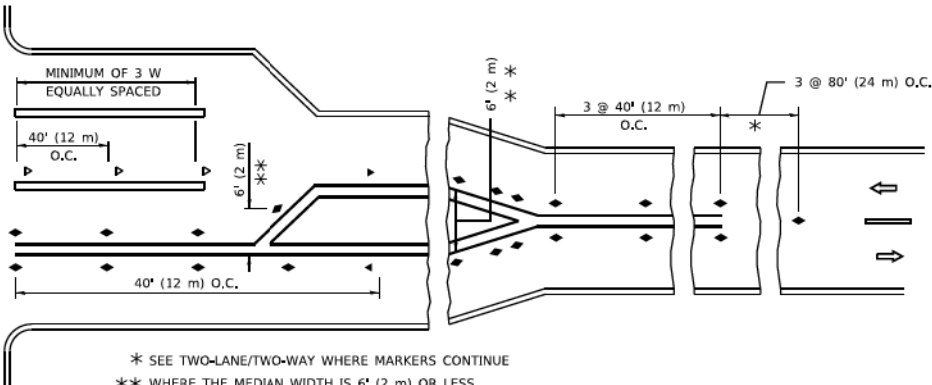


LANE REDUCTION TRANSITION

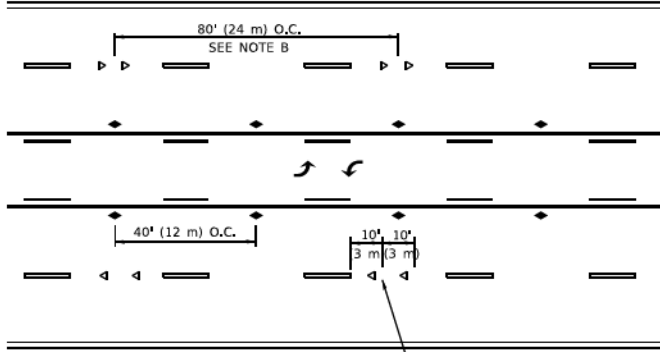


SEE NOTE A

MULTI-LANE/DIVIDED



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



SEE NOTE A

TWO-WAY LEFT TURN

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.

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

BAXTER & WOODMAN
Consulting Engineers

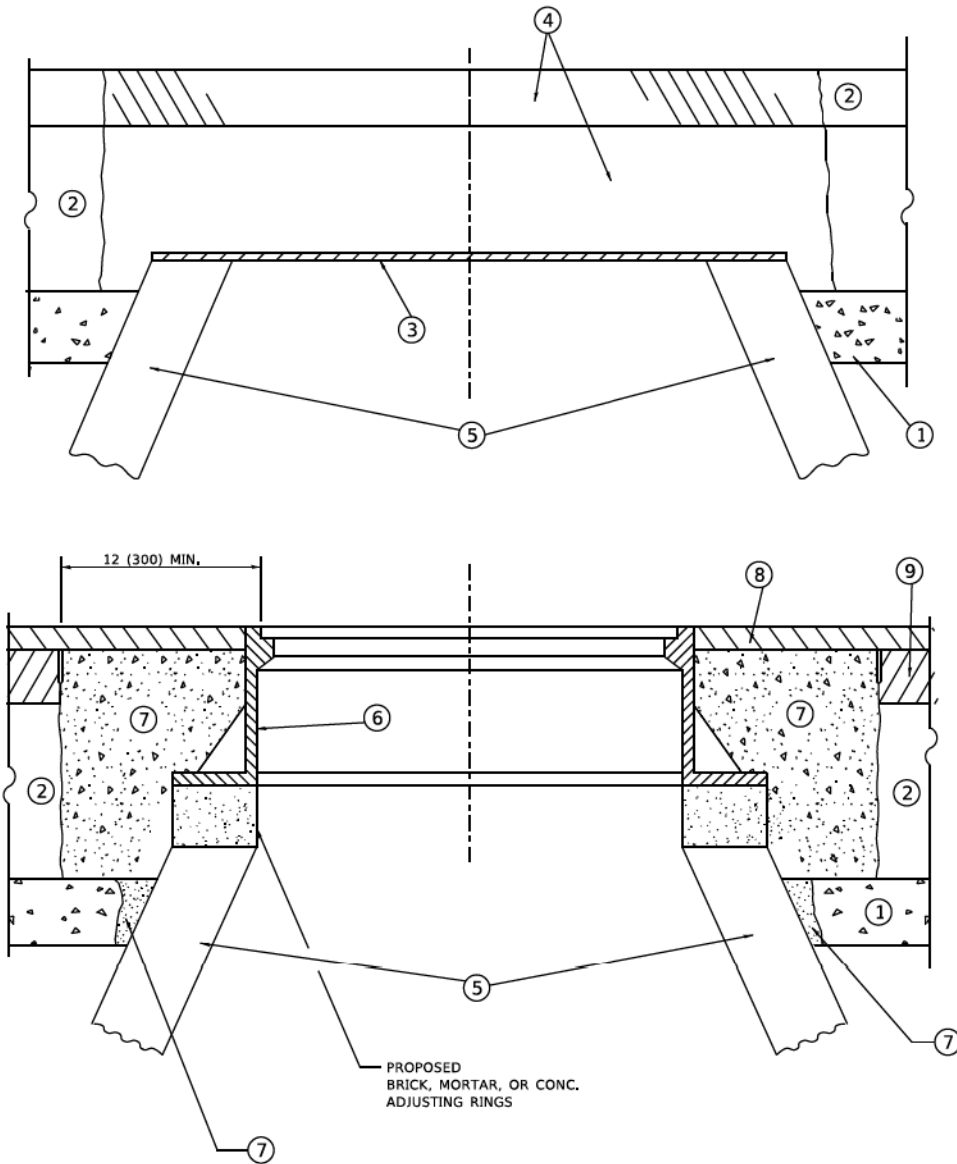
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PLOT DATE = 7/9/2025	DATE - 06-05-25	FILE - 230366_MISCDETAILS.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RECESSED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: 1" = 5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-RS	COOK	35	24
CONTRACT NO. 61L71				
ILLINOIS FED. AID PROJECT SEQ4(111)				



DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING

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

CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)**
- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* 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 | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

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

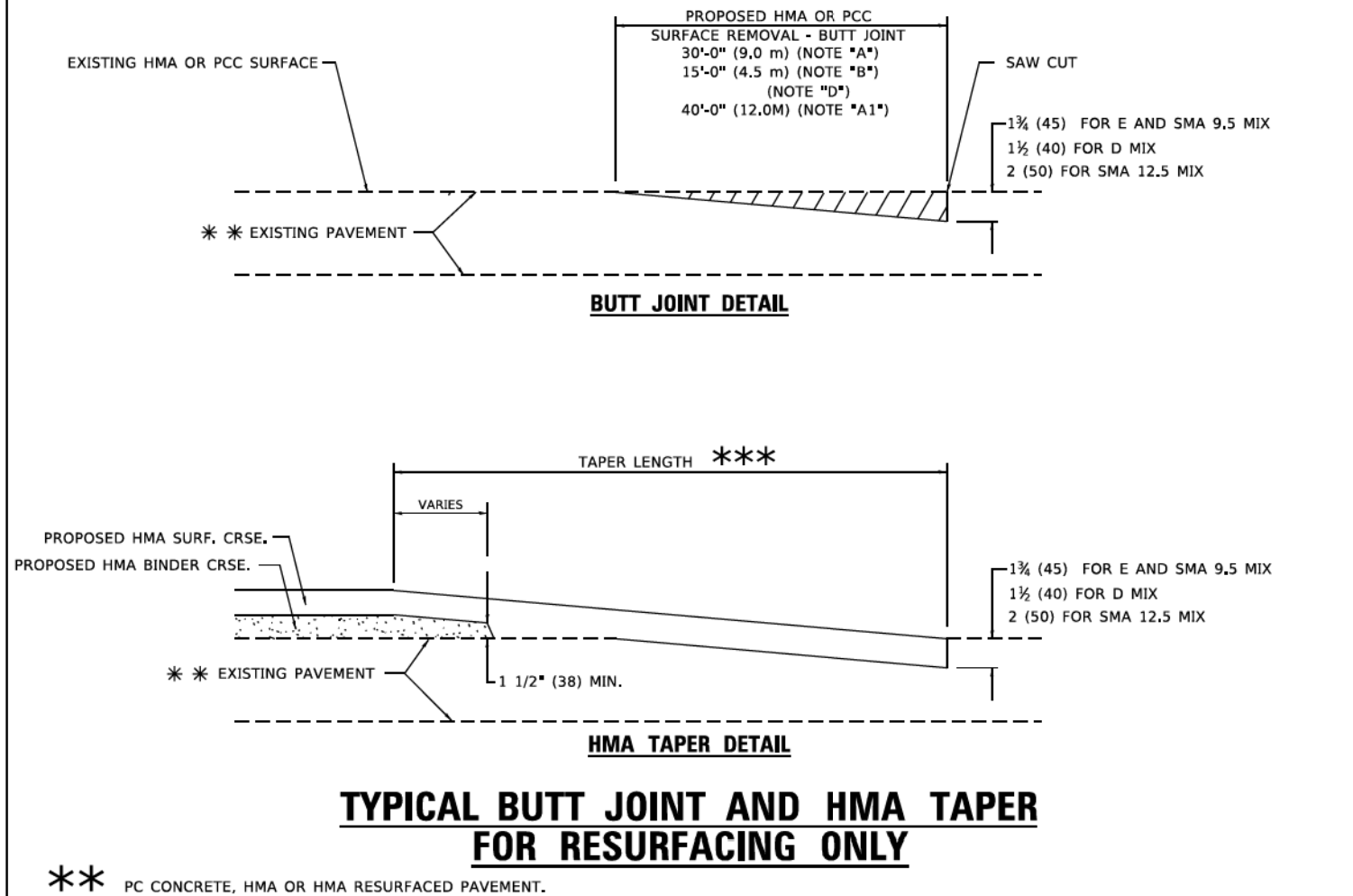
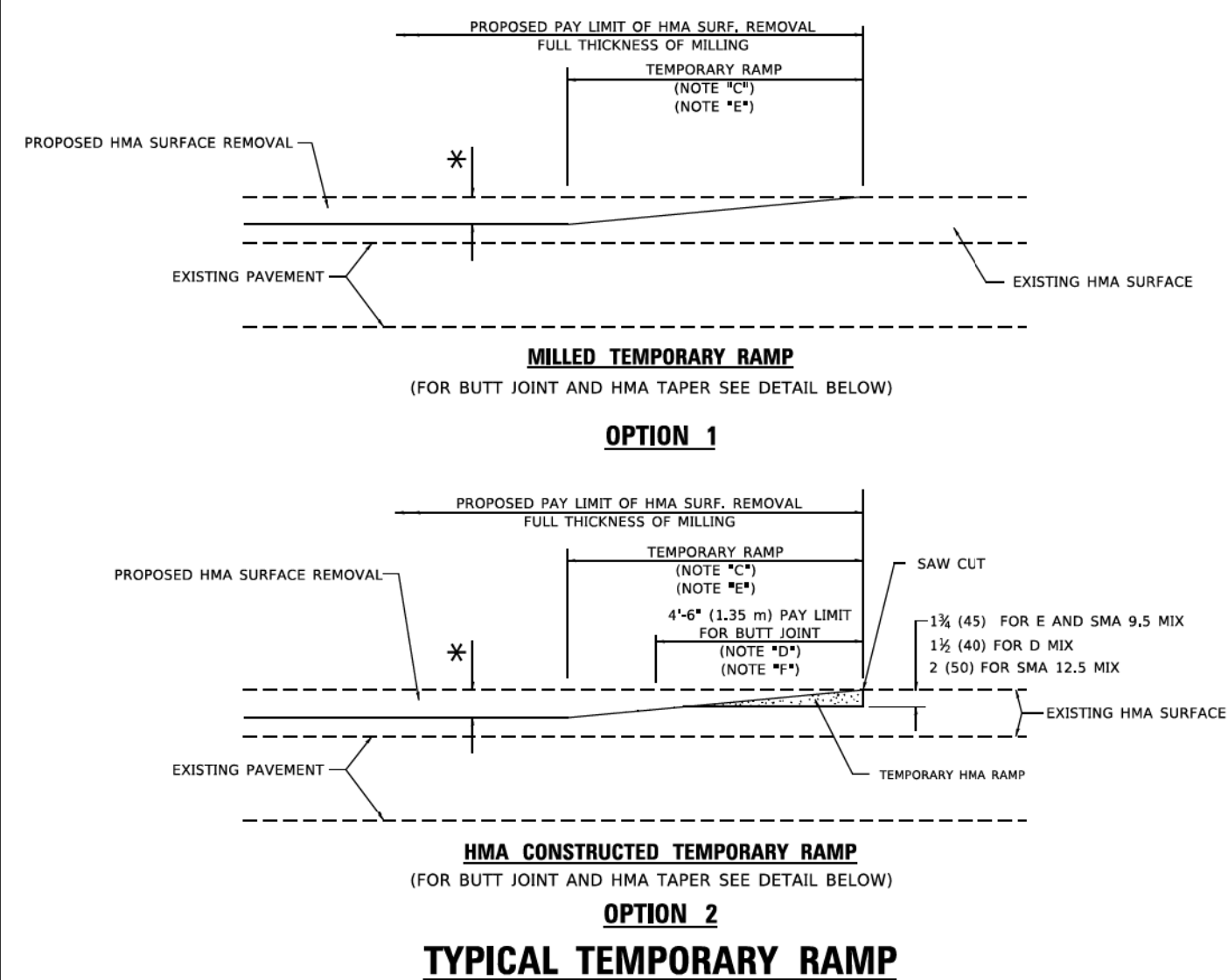
- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE: WMS-Verbs45d422-34b08.dgn

	USER NAME - Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED - R. BORO 12-06-11						2729	23-00155-00-RS	COOK	35	25		
	PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED - K. SMITH 11-18-22						BD600-03 (BD-08)					CONTRACT NO. 61L71	
	PLOT DATE - 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23						ILLINOIS FED. AID PROJECT						

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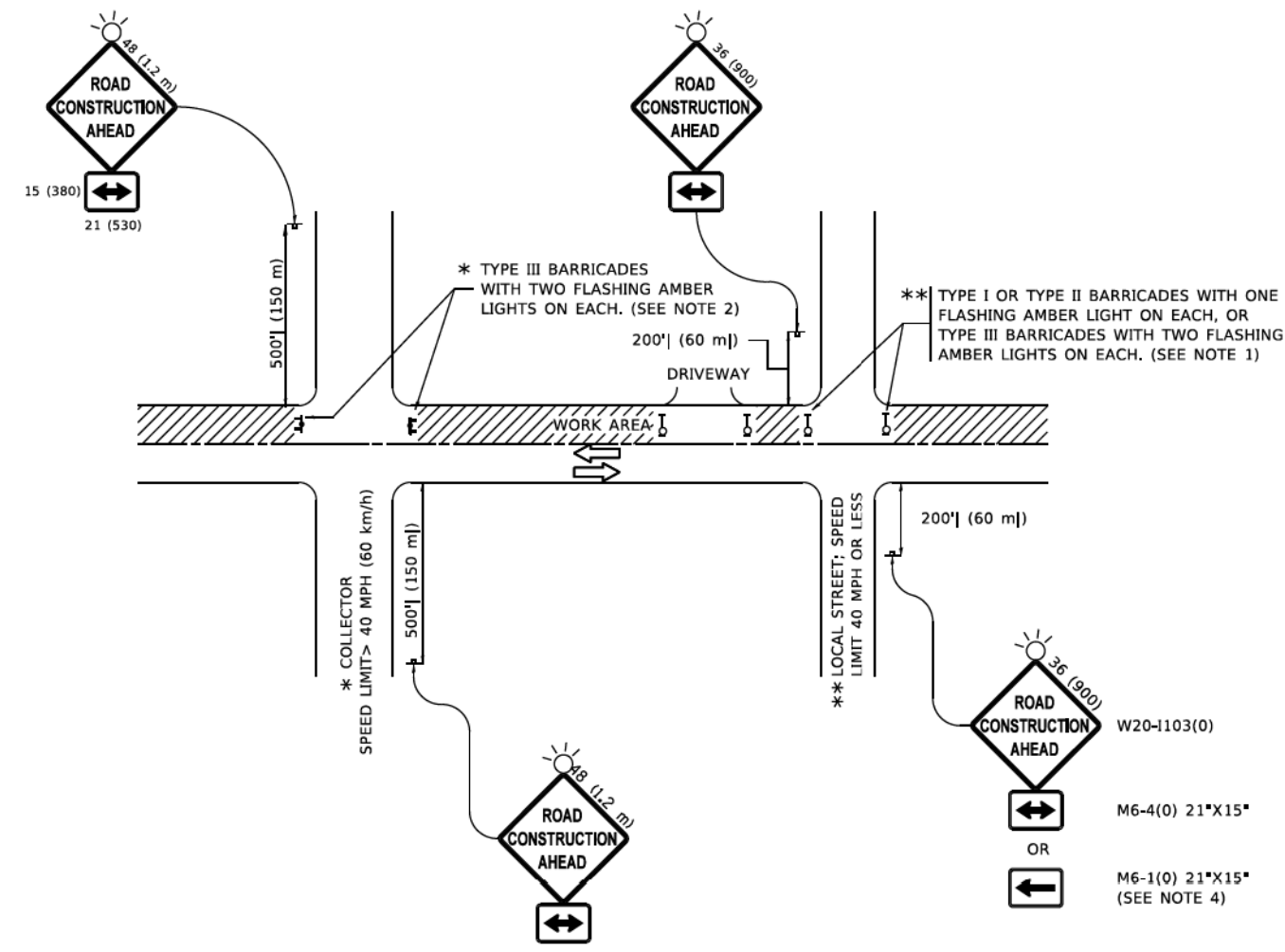


- GENERAL NOTES**
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
 - A1. INTERSTATES
 - B. MINOR SIDE ROADS.
 - C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
 - F. 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**
- 1. 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".
 - 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				BUTT JOINT AND HMA TAPER DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	■ Lawrence,DeManche	- M. DE YONG	- A. ABBAS 03-21-97									2729	23-00155-00-R5	COOK	35	28
		DRAWN	- M. GOMEZ 04-06-01					BD400-05 BD-32					CONTRACT NO. 61L71			
	PLOT SCALE	CHECKED	REVISED					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	= 100,0000' / 1in.	- R. BORO 01-01-07	- R. BORO 01-01-07													
	PLOT DATE	DATE	REVISED													
	■ 11/18/2022	- 06-13-90	- K. SMITH 11-18-22													

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NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY

b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS, CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

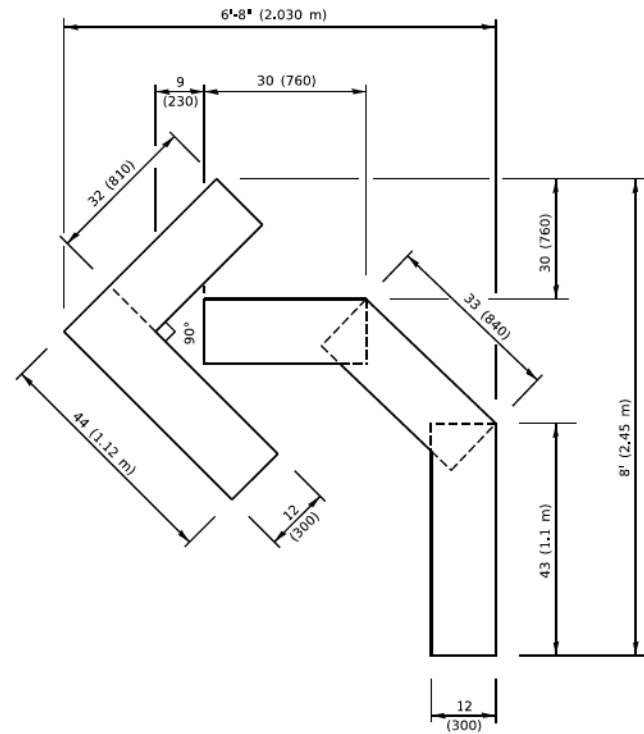
WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

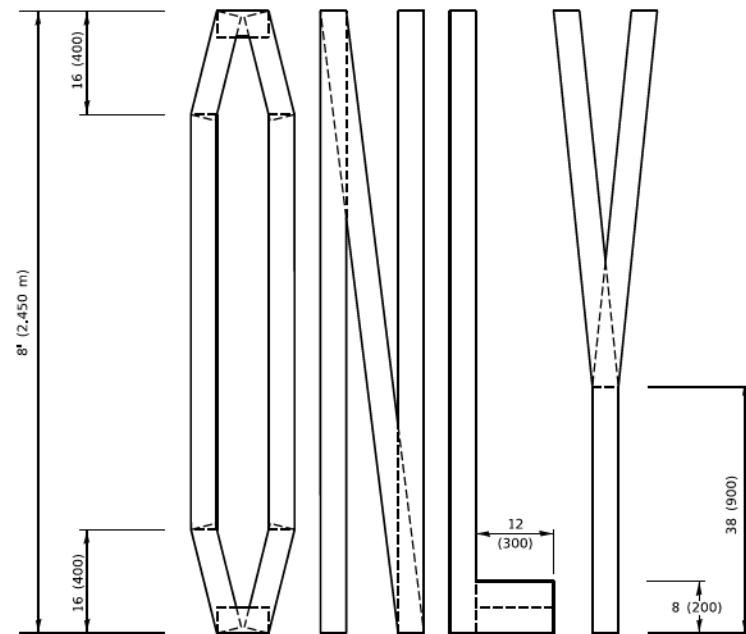
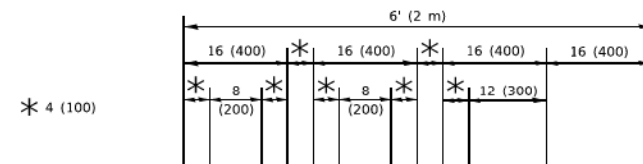
All dimenslons are In Inches (millimeters)
unless otherwise shown.

	USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED - A. SCHUETZE 07-01-13						2729	23-00155-00-RS	COOK	35	29		
	PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16						TC-10		CONTRACT NO. 61L71				
	PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24						SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.
		ILLINOIS FED. AID PROJECT													



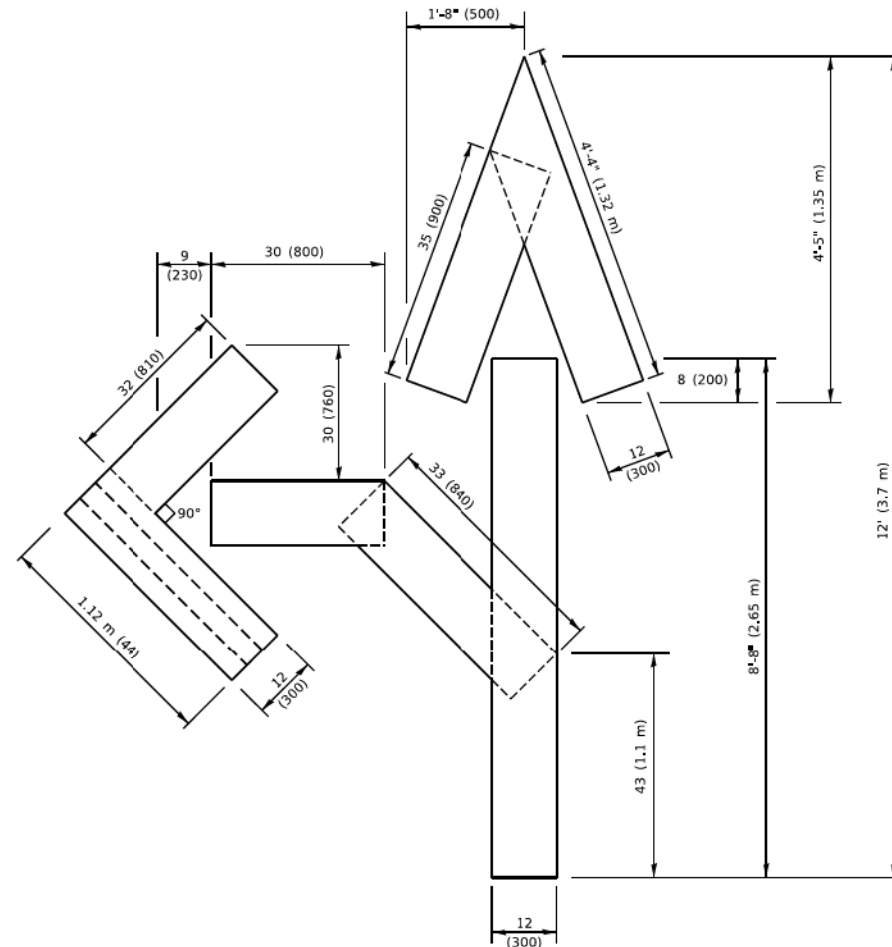
QUANTITY

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)

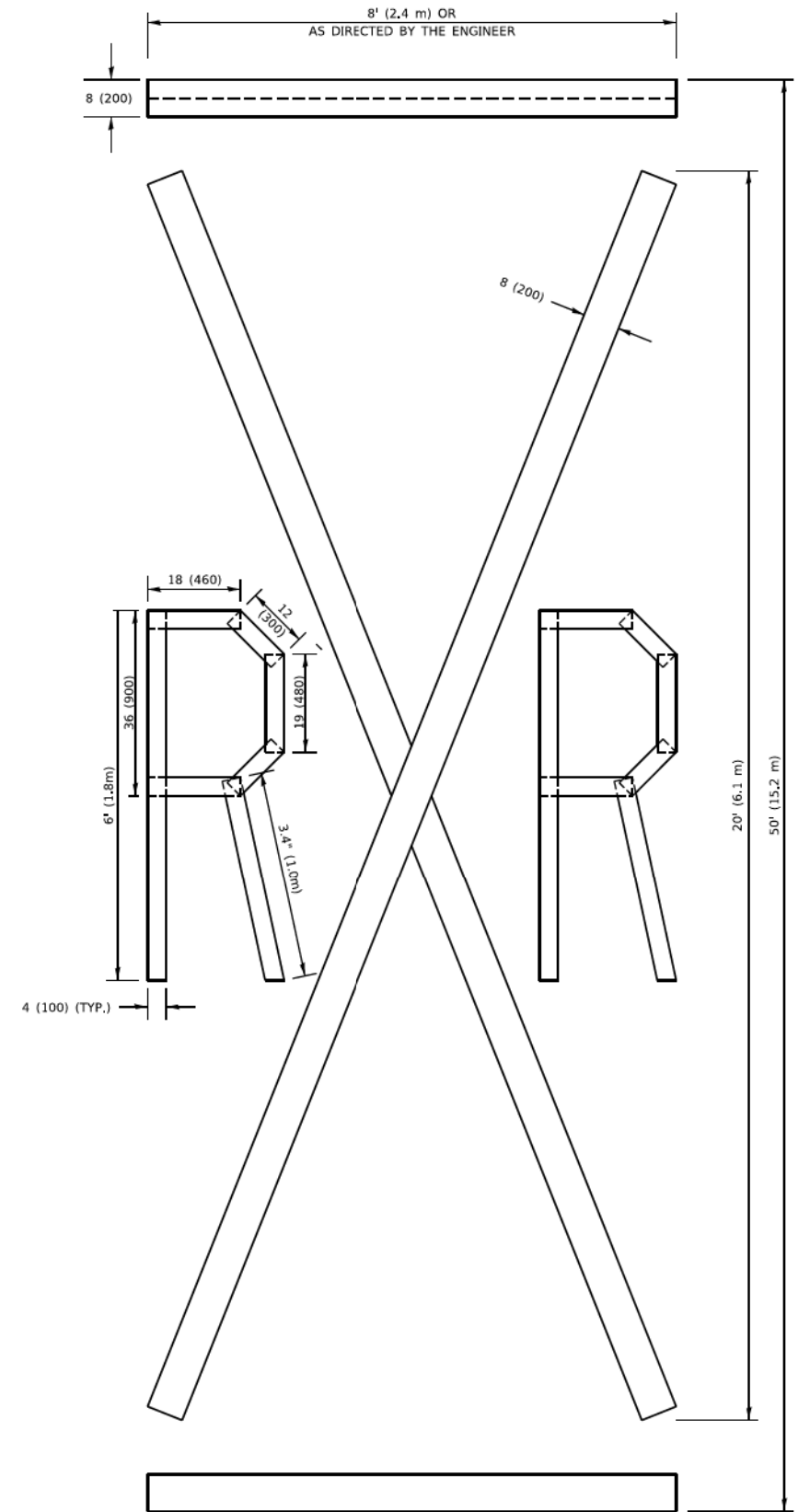


QUANTITY

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.

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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACH 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.
2729	23-00155-00-R5	COOK	35	32
TC-16		CONTRACT NO. 61L71		
		ILLINOIS	FED. AID PROJECT	

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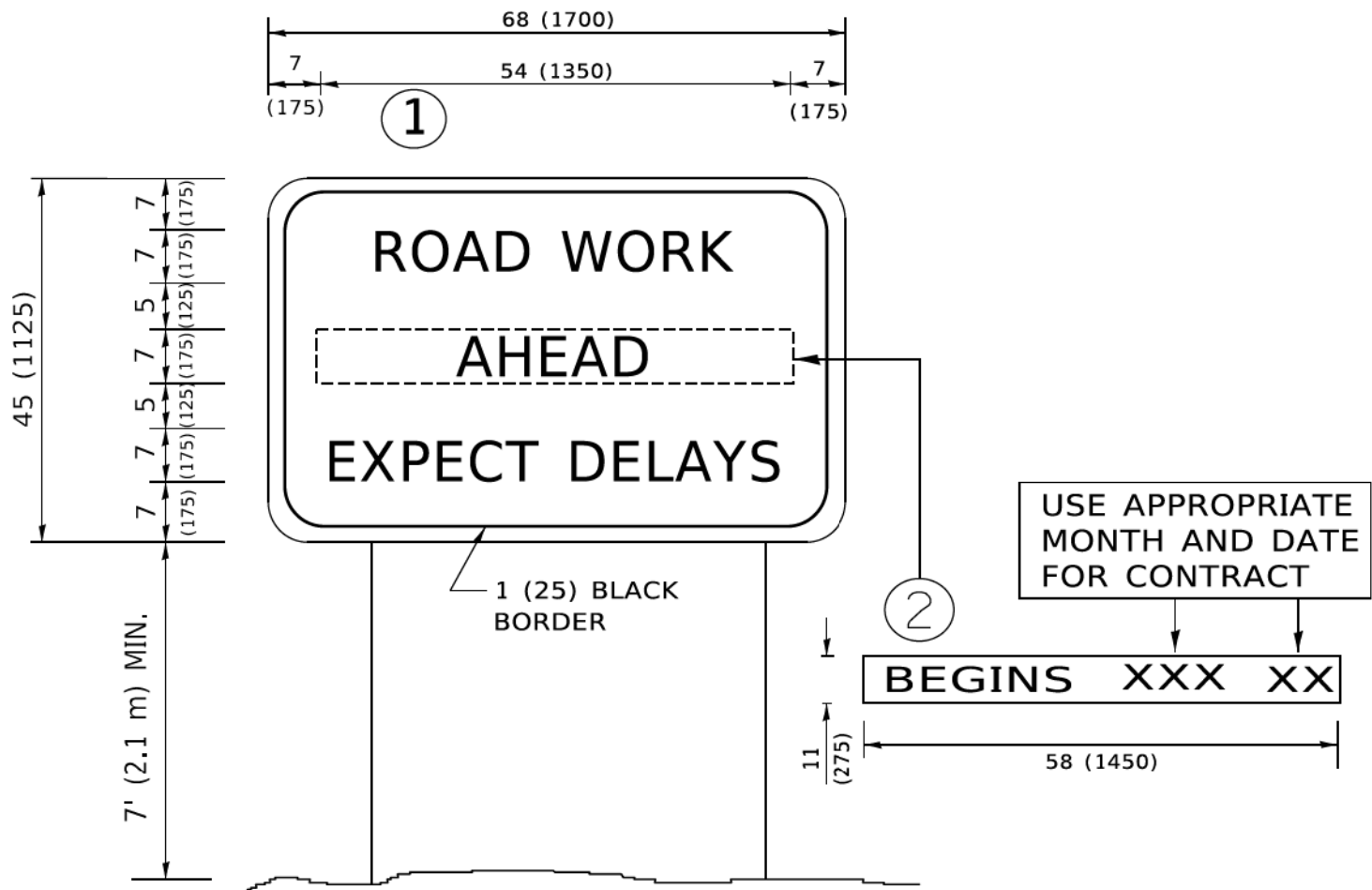
USER NAME	footem	DESIGNED	-	REVISED	-	R. MIRS	09-15-97
		DRAWN	-	REVISED	-	R. MIRS	12-11-97
PLOT SCALE	50,0000 ' / in.	CHECKED	-	REVISED	-	T. RAMMACHER	02-02-99
PLOT DATE	3/4/2019	DATE	-	REVISED	-	C. JUCIUS	01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

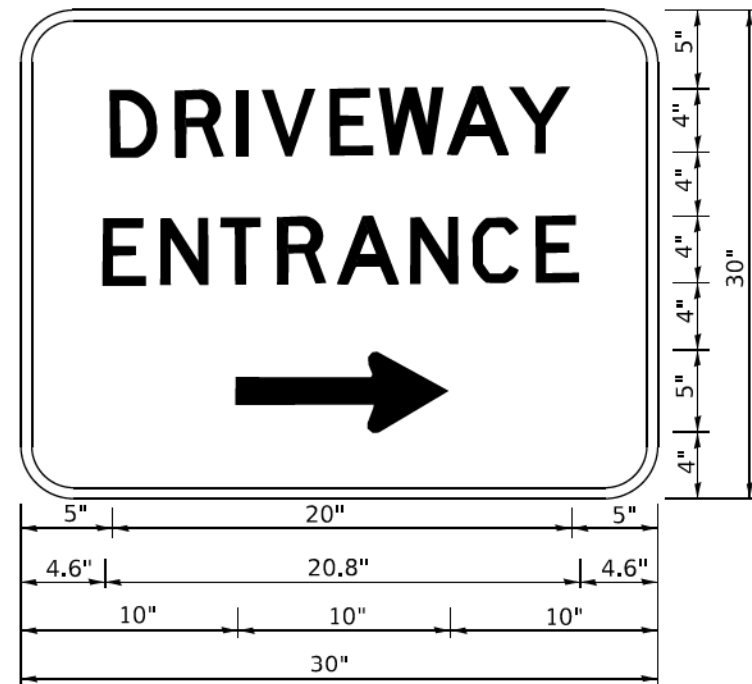
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-RS	COOK	35	34
TC-22		CONTRACT NO. 61L71		
ILLINOIS		FED. AID PROJECT		



NOTES:

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

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



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

NOTES:

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

USER NAME	DESIGNED	REVISED
■ Ieysa	-	- C. JUCIUS 02-15-07
	DRAWN	REVISED
	-	-
PLOT SCALE	CHECKED	REVISED
■ 50,0000 ' / in.	-	-
PLOT DATE	DATE	REVISED
■ 8/6/2021	-	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

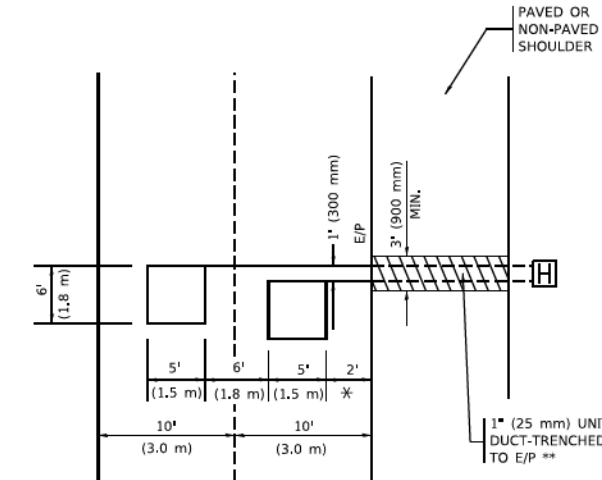
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2729	23-00155-00-R5	COOK	35	34
TC-26		CONTRACT NO. 61L71		
ILLINOIS		FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

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

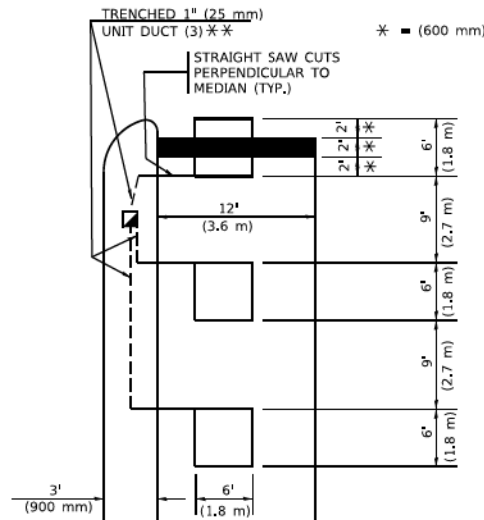


* = (600 mm)

** 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)

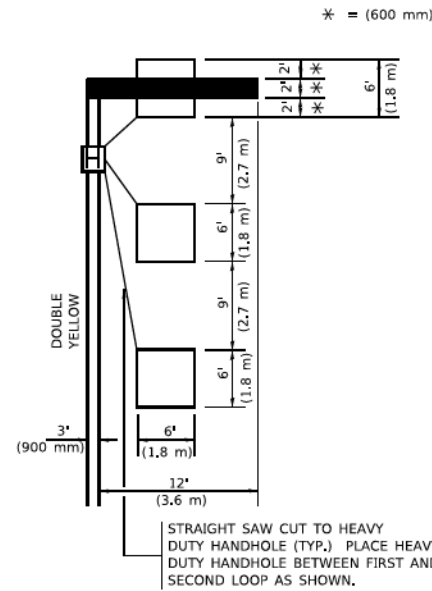
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



** 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)



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.

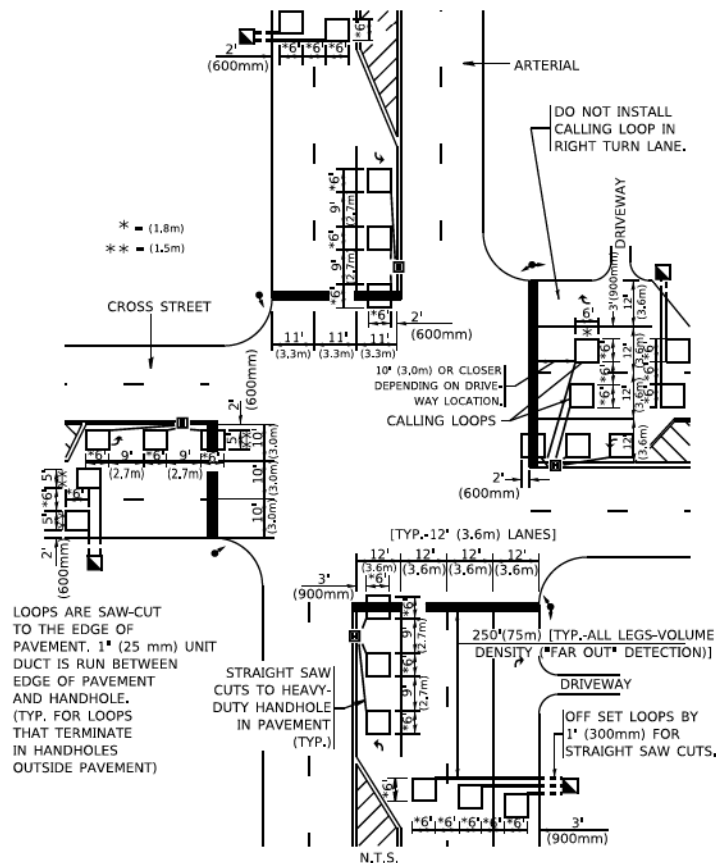
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

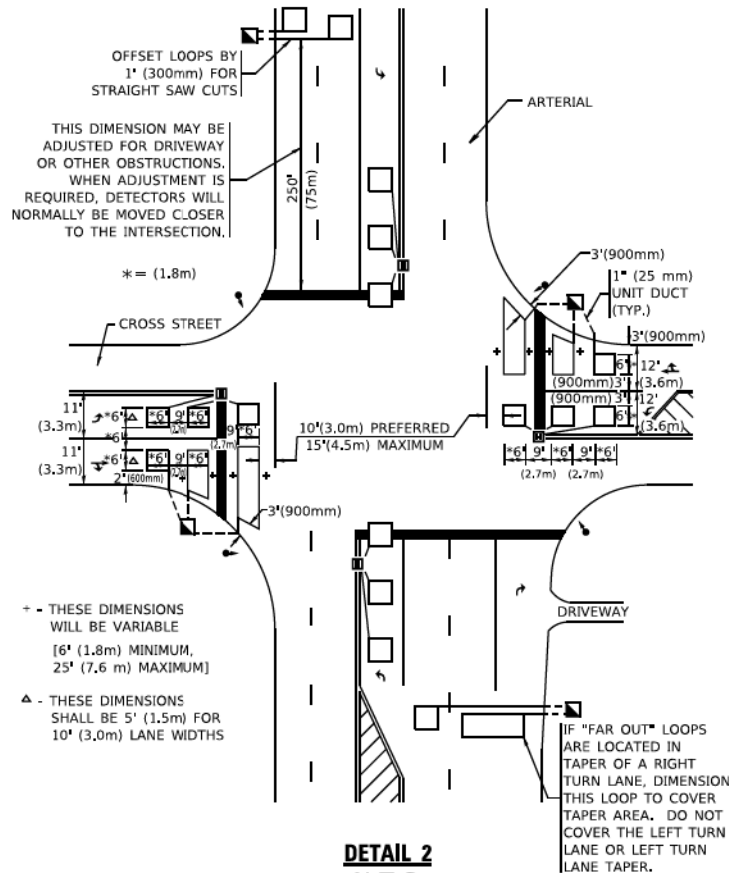
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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.

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.
2729	23-00155-00-RS	COOK	35	35
TS-07		CONTRACT NO. 61L71		
	ILLINOIS	FED. AID PROJECT		