

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

VARIOUS ROUTES RESURFACING

SECTION: 14-00013-00-RS
PROJECT: M-4003(813)

VILLAGE OF LAKEWOOD
McHENRY COUNTY

C-91-468-16

TRAFFIC DATA

LAKE AVENUE (MAJOR COLLECTOR)
2013 ADT = 8,500
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED LIMIT: 30 MPH

PHEASANT DRIVE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED LIMIT: 30 MPH

WARWICK LANE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 20 MPH
DESIGN SPEED LIMIT: 20 MPH

WILTSHIRE LANE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 20 MPH
DESIGN SPEED LIMIT: 20 MPH

CUMBERLAND LANE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 20 MPH
DESIGN SPEED LIMIT: 20 MPH

OXFORD LANE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 20 MPH
DESIGN SPEED LIMIT: 20 MPH

ESSEX LANE (LOCAL)
ADT = 100
POSTED SPEED LIMIT: 20 MPH
DESIGN SPEED LIMIT: 20 MPH

WILTSHIRE LANE IMPROVEMENTS ENDS
STA 263+10

WARWICK LANE IMPROVEMENTS ENDS
STA 223+72

WARWICK LANE IMPROVEMENTS BEGINS
STA 220+18

LAKE AVENUE IMPROVEMENTS BEGINS
STA 114+06

PHEASANT DRIVE IMPROVEMENTS ENDS
STA 42+25

PHEASANT DRIVE IMPROVEMENTS BEGINS
STA 20+11

CUMBERLAND LANE IMPROVEMENTS ENDS
STA 305+67

OXFORD LANE IMPROVEMENTS ENDS
STA 334+40

ESSEX LANE IMPROVEMENTS ENDS
STA 363+24

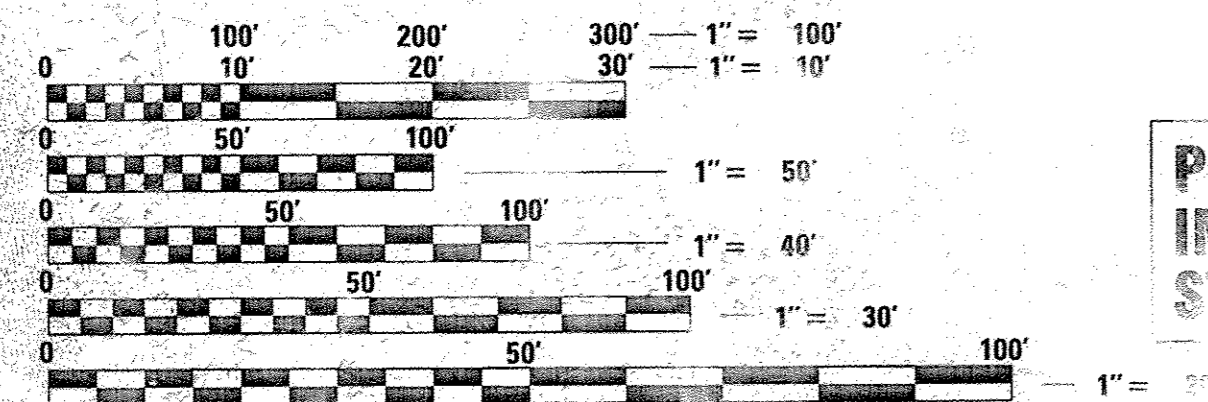
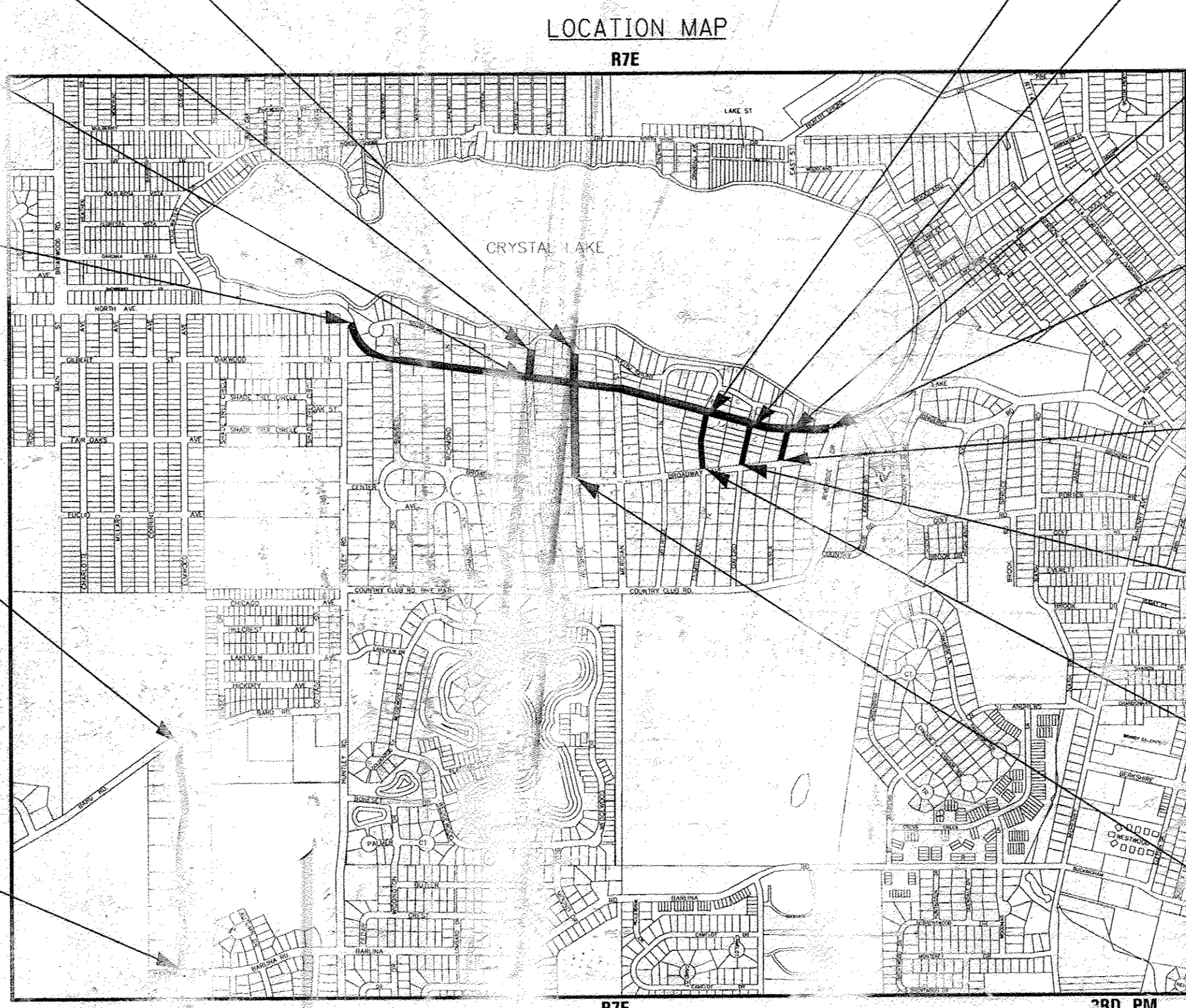
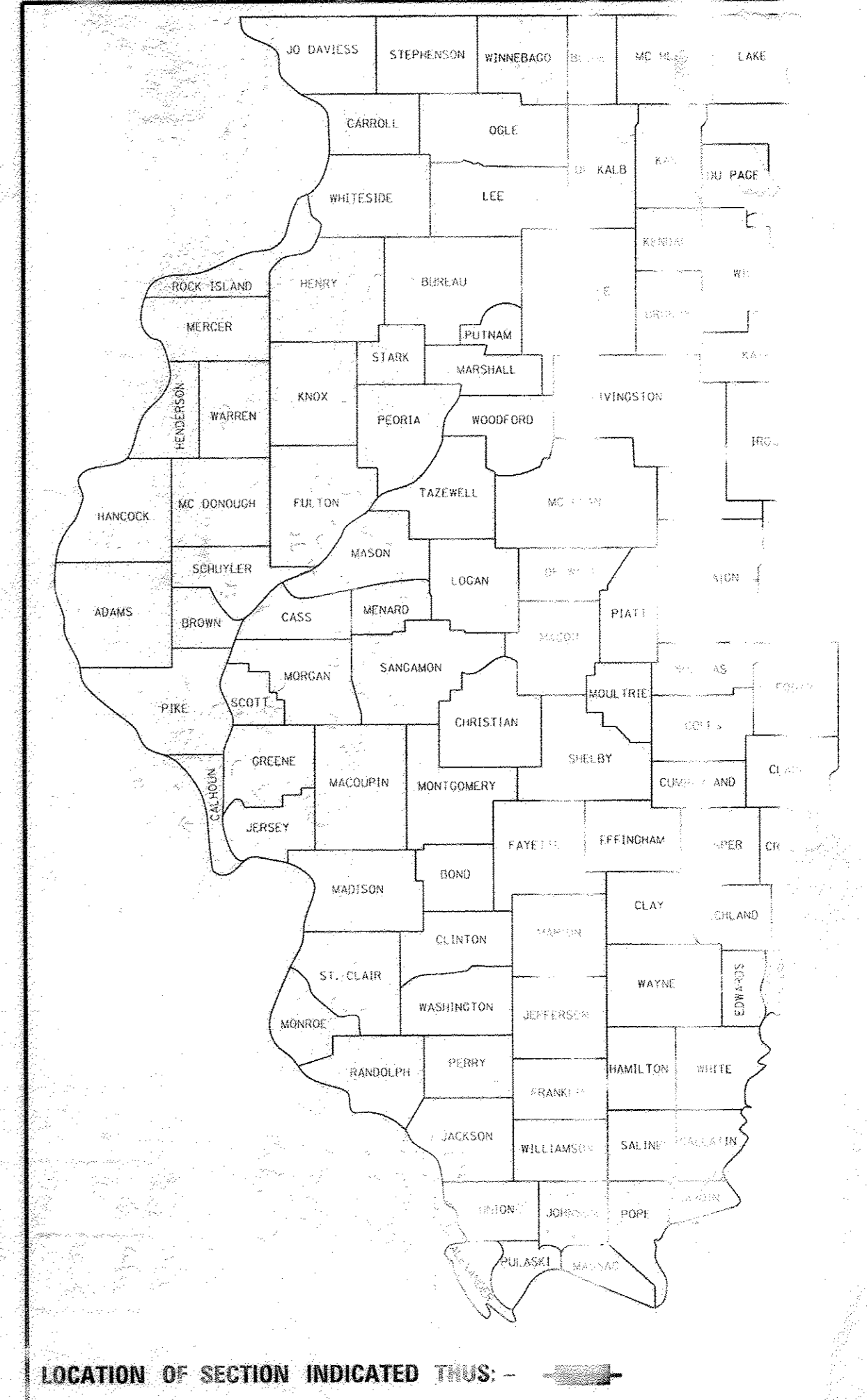
LAKE AVENUE IMPROVEMENTS ENDS
STA 161+20

ESSEX LANE IMPROVEMENTS BEGINS
STA 360+70

OXFORD LANE IMPROVEMENTS BEGINS
STA 330+69

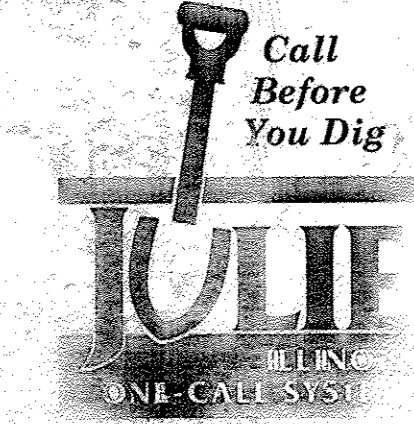
CUMBERLAND LANE IMPROVEMENTS BEGINS
STA 300+53

WILTSHIRE LANE IMPROVEMENTS BEGINS
STA 250+53



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.

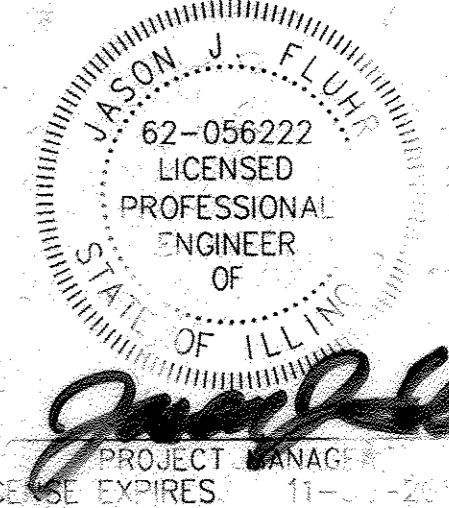
JULI.E. DESIGN STAGE REQUIRED
DIG. No. X1470950



CALL JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
PROJECT = McHENRY
NSHP = LAKEWOOD
1/4 SEC. NO. = 1/4 & SEC 14 NW 1/4 & NE 1/4
S (2 working days) YOU DESERVE IT

GROSS LENGTH = 9,678 FT. = 1.83 KM
NET LENGTH = 9,678 FT. = 1.83 KM

BAXTER & WOODMAN
Consulting Engineers



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *Shannon Andrews*
10/4/16
VILLAGE OF LAKEWOOD

PASSED *Christopher Holt*
OCTOBER 28, 2016
DISTRICT ENGINEER OF LOCAL ROAD DISTRICTS

RELEASING FOR BIDDING BASED ON LIMITED REVIEW
October 28 2016
John Fattori Jr.

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GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. 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 NOTIFY THE VILLAGE STREET SUPERINTENDENT BARRY WICHERSHEIM AT 815-509-8044, AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- 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.
- 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 AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- 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 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.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR (SOIL AND MATERIAL CONSULTANTS - THOMAS JOHNSON - 847-870-0544) AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPROPRIATE REMOVAL PAY ITEMS.
- 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.
- 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. THIS SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS."
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 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.
- ALL MAILBOXES WITHIN THE PROJECT LIMITS SHALL BE WITHIN COMPLIANCE WITH LOCAL US POST OFFICE STANDARDS BEFORE COMPLETION OF THE PROJECT.
- THE RATE OF CALCIUM CHLORIDE APPLIED SHALL BE 1 POUND/SQ YD ON EXPOSED AGGREGATE AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL SUBMIT A PRE-PLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE RESERVES THE RIGHT TO RESTRICT WORK ON ANY AREA IF TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE.

SUGGESTED SEQUENCE OF CONSTRUCTION:

- PRIOR TO CONSTRUCTION, INSTALL ALL TEMPORARY EROSION CONTROL DEVICES NECESSARY AND ESTABLISH ALL TRAFFIC CONTROL REQUIRED.
 - MILL PAVEMENT AND INSTALL CLASS D PATCHES OR COMPLETE AGGREGATE BASE REPAIRS.
 - INSTALL HMA LEVELING BINDER OR BINDER COURSE. BINDER COURSE OR LEVELING BINDER SHALL BE INSTALLED WITHIN 10 DAYS OF THE START OF HMA MILLING.
 - BEGIN INSTALLING DRIVEWAYS.
- AFTER ALL STAGES HAVE BEEN COMPLETED:**
- FINISH DRIVEWAYS AND PARKWAY GRADING AND INSTALL TOPSOIL AND SOD.
 - INSTALL HMA SURFACE COURSE.
 - COMPLETE PUNCH LIST ITEMS AND REMOVE TEMPORARY EROSION CONTROL ITEMS ONCE SOD ESTABLISHES.

CONSTRUCTION STAGING NOTES:

- ALL STREETS SHALL BE OPEN TO TRAFFIC AT THE END OF EACH DAY WITH BARRICADES PLACED AROUND ALL PARKED EQUIPMENT, STOCKPILES AND STEEP EMBANKMENTS.
- ALL RESIDENTS SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY, EXCEPT DURING ADJACENT CURB AND GUTTER CONSTRUCTION OR CONCRETE DRIVEWAY REPLACEMENT.
- ACCESS FOR MAIL SERVICE, GARBAGE COLLECTION, SCHOOL BUSES AND EMERGENCY VEHICLES MUST BE MAINTAINED AT ALL TIMES.

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
7 - 8	TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
9 - 10	ROADWAY PLAN PHEASANT DRIVE
11 - 15	ROADWAY PLAN LAKE AVENUE
16	ROADWAY PLAN WARWICK LANE
17 - 18	ROADWAY PLAN WILTSHIRE LANE
19	ROADWAY PLAN CUMBERLAND LANE
20	ROADWAY PLAN OXFORD LANE AND ESSEX LANE
21	PAVEMENT MARKING AND SIGNAGE PLAN LAKE AVENUE
22	PAVEMENT MARKING AND SIGNAGE PLAN LAKE AVENUE
23	MISCELLANEOUS DETAILS
24	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
25	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
26	DISTRICT ONE DETAIL FOR TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
27	DISTRICT ONE DETAIL FOR TYPICAL PAVEMENT MARKINGS (TC-13)
28	ARETERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

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	DESIGNED - JJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, HIGHWAY STANDARDS AND INDEX OF SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KAR	REVISED -			4057	14-00013-00-RS	McHENRY	28	2
CHECKED - JJF	REVISED -						CONTRACT NO. 61D39		
DATE - 09-30-16	FILE - 140645SHT-GenNotes.dgn	SCALE: NONE			STA.	TO STA.	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(613)

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				LAKE AVE	PHEASANT DR	WILTSHIRE LN	WARWICK LN	CUMBERLAND LN	OXFORD LN	ESSEX LN
				80% FEDERAL 20% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL
				ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	186	20	10	68	21	29	22	16
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	306			133	42	57	43	31
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,812	1,328	637	371	106	159	107	104
21400100	GRADING AND SHAPING DITCHES	FOOT	245	118	56	32	9	13	10	7
25000210	SEEDING, CLASS 2A	ACRE	0.53	0.25	0.12	0.07	0.02	0.03	0.02	0.02
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	38	17	8	5	2	2	2	2
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	17	1	1	1	1	1	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	38	17	8	5	2	2	2	2
25100127	MULCH, METHOD 3A	ACRE	0.10	0.03	0.02	0.01	0.01	0.01	0.01	0.01
25200110	SODDING, SALT TOLERANT	SQ YD	245	118	56	32	9	13	10	7
25200200	SUPPLEMENTAL WATERING	UNIT	8	2	1	1	1	1	1	1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10	3	2	1	1	1	1	1
28000510	INLET FILTERS	EACH	14	12			1	1		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	145			63	20	27	20	15
35800100	PREPARATION OF BASE	SQ YD	6,077			2,659	833	1,123	845	617

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(B13)	
			CONTRACT NO. 61D39	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				LAKE AVE	PHEASANT DR	WILTSHIRE LN	WARWICK LN	CUMBERLAND LN	OXFORD LN	ESSEX LN
				80% FEDERAL 20% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL
				ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005
35800200	AGGREGATE BASE REPAIR	TON	336			147	46	62	47	34
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,140	12,430	3,710					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	3	1					
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,375	1,059	316					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	449	424	25					
40603080	HOT-MIX ASPHALT BINDER COURSE. IL-19.0, N50	TON	893			390	123	165	124	91
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3,280	1,959	584	322	101	136	103	75
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,130			1,800	570	760	580	420
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	94	34	10	10	10	10	10	10
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	23,900	18,412	5,488					
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	6,077			2,659	833	1,123	845	617
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	699	215	125	130	43	70	95	21
44201690	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	235	185	50					
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	610	235	375					
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	704	304	400					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	4
CONTRACT NO. 61D39				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(813)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				LAKE AVE	PHEASANT DR	WILTSHIRE LN	WARWICK LN	CUMBERLAND LN	OXFORD LN	ESSEX LN	
				80% FEDERAL 20% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	
				ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	662	512	150						
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	7,740	5,520	2,220						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2							
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2							
60260100	INLETS TO BE ADJUSTED	EACH	2	2							
66300105	CALCIUM CHLORIDE APPLIED	TON	20			8	3	4	3	2	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	186	20	10	68	21	29	22	16	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1.00	0.61	0.18	0.09	0.03	0.04	0.03	0.02	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1							
67100100	MOBILIZATION	LSUM	1.00	0.61	0.18	0.09	0.03	0.04	0.03	0.02	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1.00	0.61	0.18	0.09	0.03	0.04	0.03	0.02	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,428	9,428							
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,143	3,143							
72000100	SIGN PANEL - TYPE 1	SQ FT	29	29							
73000100	WOOD SIGN SUPPORT	FOOT	108	108							

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	MCHENRY	28	5
CONTRACT NO. 61D39				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(813)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				LAKE AVE	PHEASANT DR	WILTSHIRE LN	WARWICK LN	CUMBERLAND LN	OXFORD LN	ESSEX LN	
				80% FEDERAL 20% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	100% LOCAL	
				ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,428	9,428							
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10,658	10,658							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	39	26	13						
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	269	269							
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	605	181	115	120	33	60	85	11	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52							
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	35			35					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	80	28	15	10	6	10	8	3	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	33	21	2	2	2	2	2	2	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	11	4		2	2	1	1	1	

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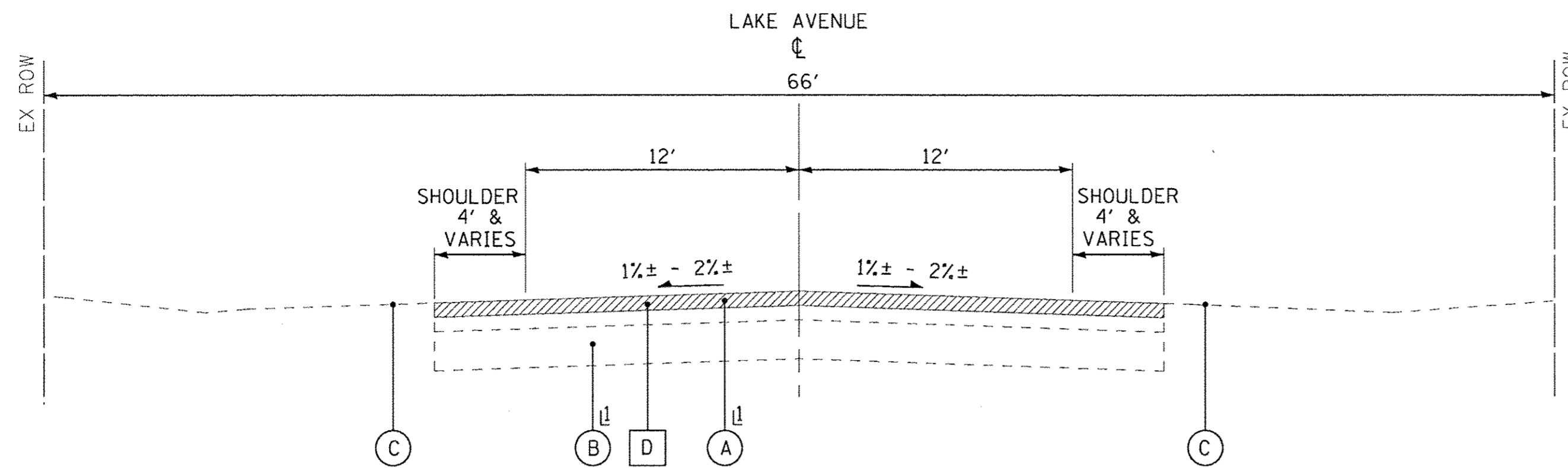
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CHECKED - JJF	REVISED -
DATE 09-30-16	FILE - 140645SHT-S00.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

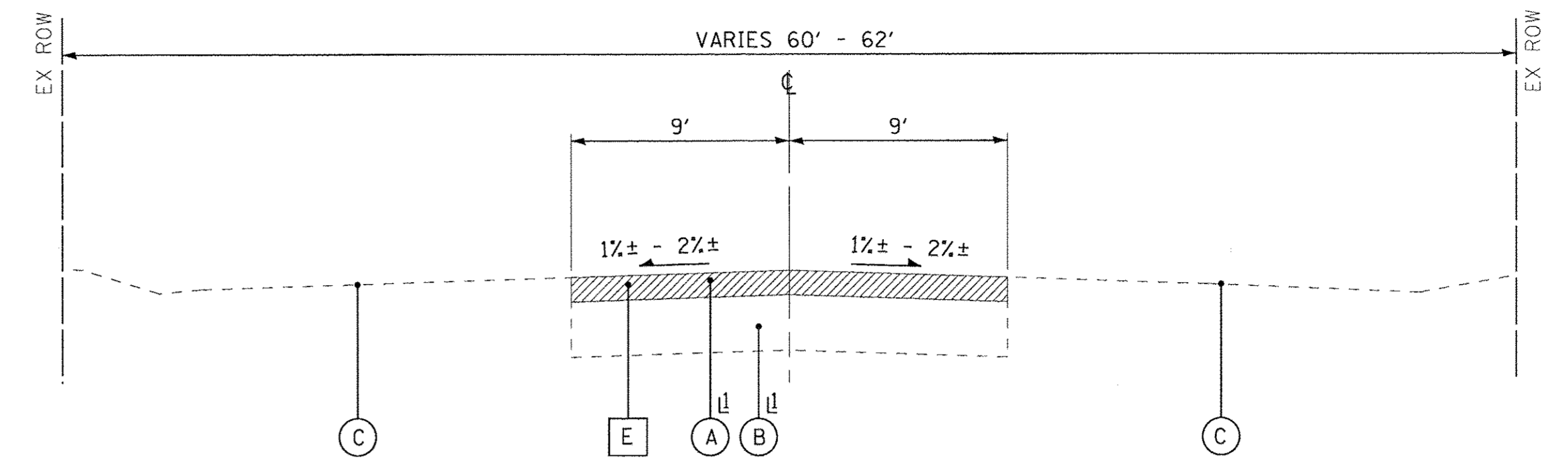
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	6
CONTRACT NO. 61D39			ILLINOIS FED. AID PROJECT M-4003(B)31	



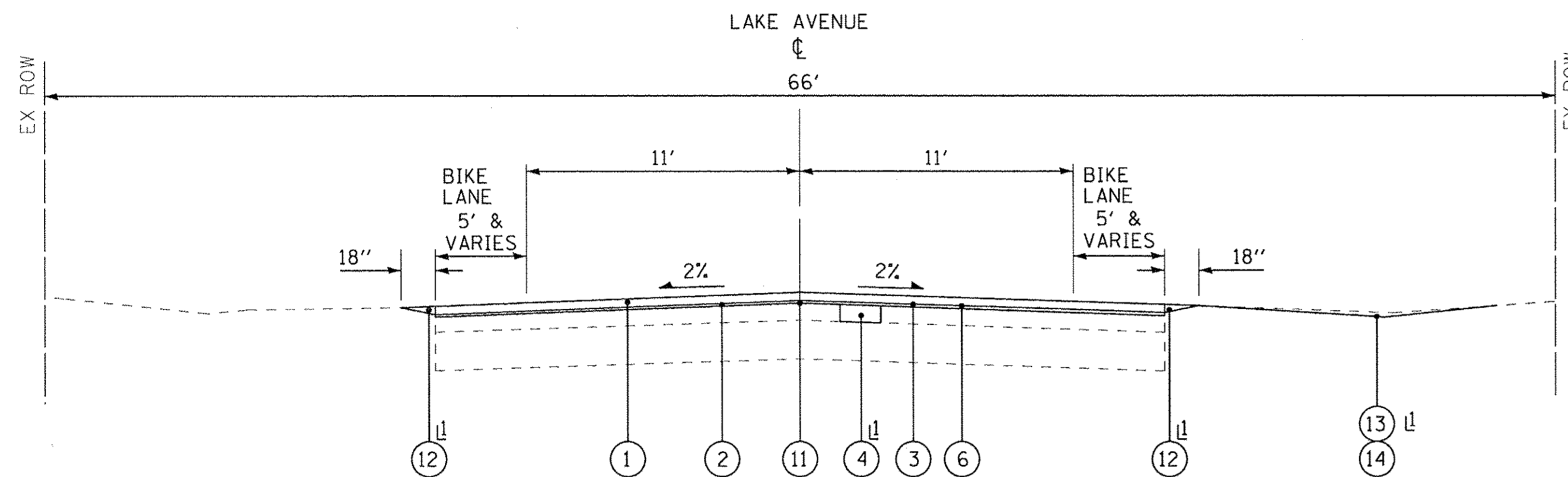
EXISTING TYPICAL SECTION
LAKE AVENUE STA 114+06 TO STA 161+20

SEE EXISTING PAVEMENT THICKNESS TABLE ON SHEET NO. 8



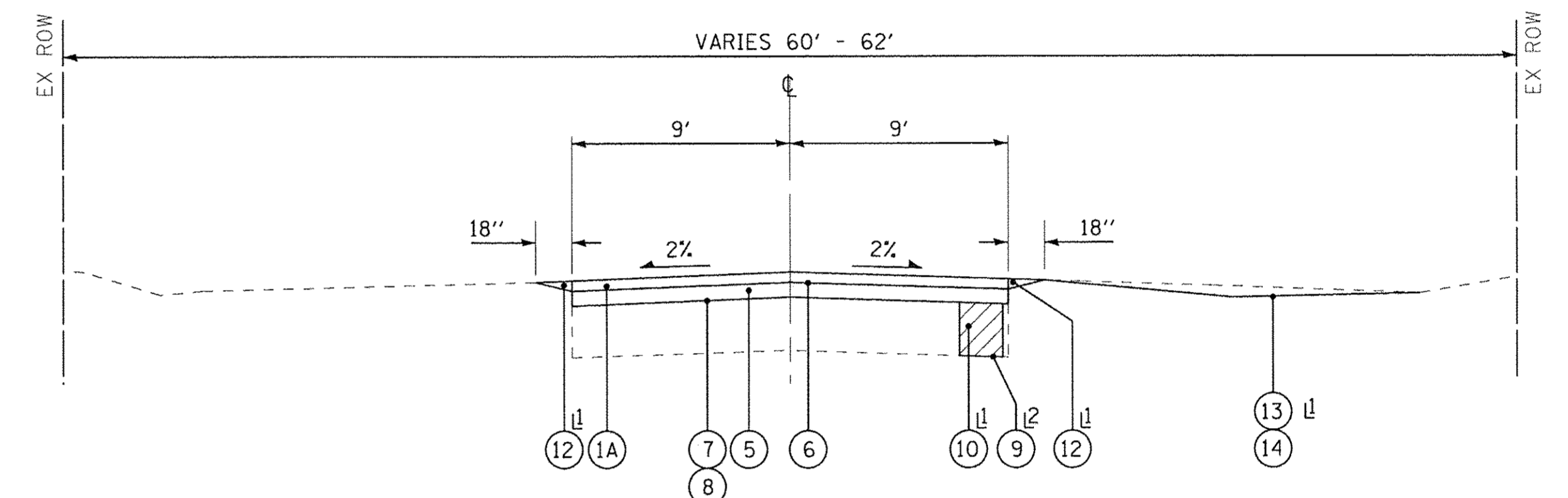
EXISTING TYPICAL SECTION
WARWICK LANE STA 220+18 TO STA 223+72
WILTSHIRE LANE STA 250+53 TO STA 263+10
CUMBERLAND LANE STA 300+53 TO STA 305+40
OXFORD LANE STA 330+69 TO STA 334+40
ESSEX LANE STA 360+70 TO STA 363+24

SEE EXISTING PAVEMENT THICKNESS TABLE ON SHEET NO. 8



PROPOSED TYPICAL SECTION
LAKE AVENUE STA 114+06 TO STA 161+20

AS DETERMINED BY THE ENGINEER



PROPOSED TYPICAL SECTION
WARWICK LANE STA 220+18 TO STA 223+72
WILTSHIRE LANE STA 250+53 TO STA 263+10
CUMBERLAND LANE STA 300+53 TO STA 305+67
OXFORD LANE STA 330+69 TO STA 334+40
ESSEX LANE STA 360+70 TO STA 363+24

AS DETERMINED BY THE ENGINEER
ONLY USED FOR FULL WIDTH UNDERCUT AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING AGGREGATE BASE COURSE
- (C) EXISTING GROUND SURFACE
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (2) LEVELING BINDER (MACHINE METHOD), N50, - 3/4"
- (3) MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS
- (4) CLASS D PATCHES, 4"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/2"
- (6) BITUMINOUS MATERIALS (TACK COAT)
- (7) PREPARATION OF BASE
- (8) AGGREGATE BASE REPAIR
- (9) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (10) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AGGREGATE SUBGRADE IMPROVEMENT
- (11) STRIP REFLECTIVE CRACK CONTROL
- (12) TOPSOIL FURNISH AND PLACE - 4", SEEDING, FERTILIZER
- (13) GRADING AND SHAPING DITCHES
- (14) TOPSOIL FURNISH AND PLACE, 4" SODDING SALT TOLERANT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR SHALL MILL BEFORE PATCHING.

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 1 3/4"	4% @ 50 Gyr.
LEVELING BINDER (MACHINE METHOD), N50 - 3/4"	4% @ 50 Gyr.
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/2"	4% @ 50 Gyr.
DRIVEWAY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 3"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0mm) - 4"	4% @ 70 Gyr.

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

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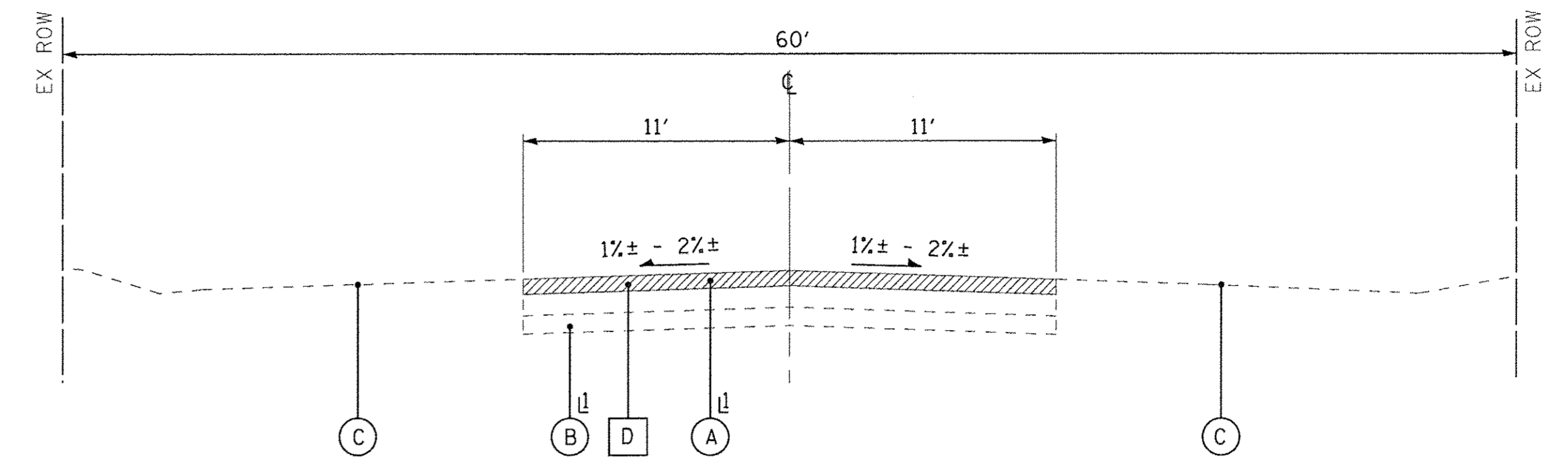
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: NONE

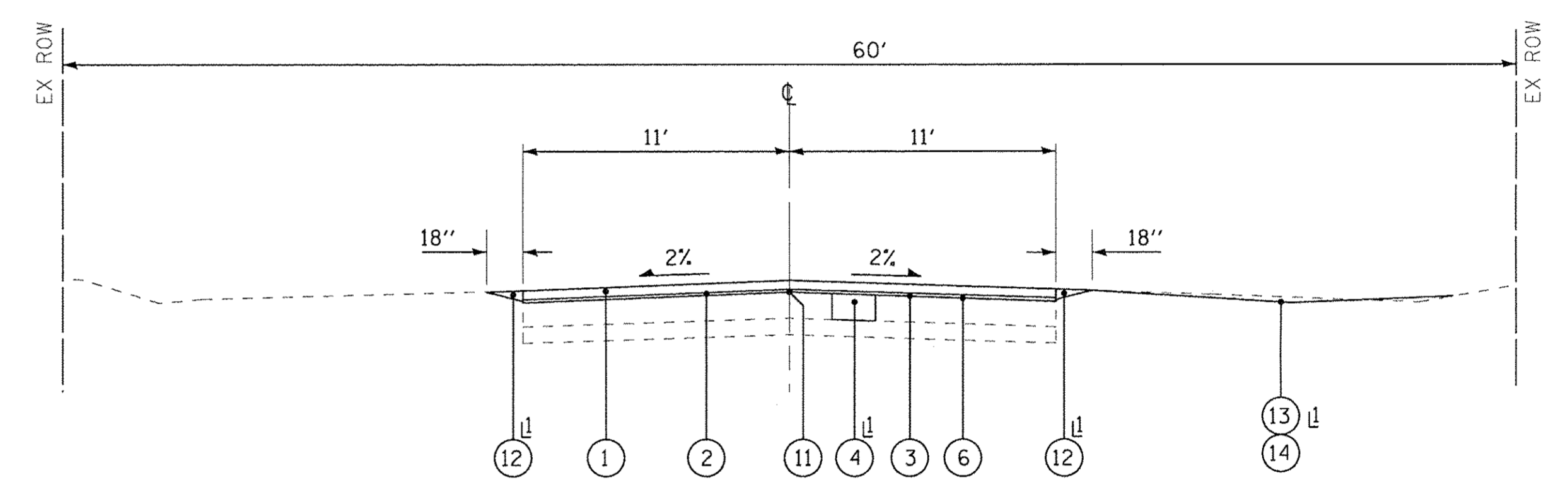
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(813)	
CONTRACT NO.			61D39	



EXISTING TYPICAL SECTION
PHEASANT DRIVE STA 20+11 TO STA 42+25

SEE EXISTING PAVEMENT THICKNESS TABLE



PROPOSED TYPICAL SECTION
PHEASANT DRIVE STA 20+11 TO STA 42+25

AS DETERMINED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING AGGREGATE BASE COURSE
- (C) EXISTING GROUND SURFACE
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (2) LEVELING BINDER (MACHINE METHOD), N50, - 3/4"
- (3) MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS
- (4) CLASS D PATCHES, 4"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/2"
- (6) BITUMINOUS MATERIALS (TACK COAT)
- (7) PREPARATION OF BASE
- (8) AGGREGATE BASE REPAIR
- (9) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (10) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
AGGREGATE SUBGRADE IMPROVEMENT
- (11) STRIP REFLECTIVE CRACK CONTROL
- (12) TOPSOIL FURNISH AND PLACE - 4", SEEDING, FERTILIZER
- (13) GRADING AND SHAPING DITCHES
- (14) TOPSOIL FURNISH AND PLACE, 4"
SODDING SALT TOLERANT

EXISTING PAVEMENT THICKNESS TABLE		
STREET	EXISTING HMA SURFACE AND BINDER	EXISTING AGGREGATE BASE
LAKE AVENUE	5"-7.25"	6.75"-18"
WARWICK LANE	2"-4.5"	7"-9.75"
WILTSHIRE LANE	2.5"-4"	8"-17.5"
CUMBERLAND LANE	4"	10"
OXFORD LANE	5.25"	8.75"
ESSEX LANE	2"	N/A
PHEASANT DRIVE	5"-6.5"	7.5"-9"

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TYPICAL SECTIONS	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	8
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(013)		
		CONTRACT NO. 61D39		

BARDWELL LANE

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT
(TYP)

HMA SURFACE REMOVAL - 2 1/2"
LEVELING BINDER (MACHINE METHOD), N50 - 3/4"
HMA SURFACE COURSE, MIX "D", N50 - 1 3/4"

☉ PHEASANT DRIVE STA 20+00
☉ BARDWELL LANE

BEGIN IMPROVEMENTS
PHEASANT DRIVE
STA 20+11

BARDWELL LANE

PHEASANT DRIVE

BARDWELL LANE

PHEASANT DRIVE

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BAXTER & WOODMAN
Consulting Engineers

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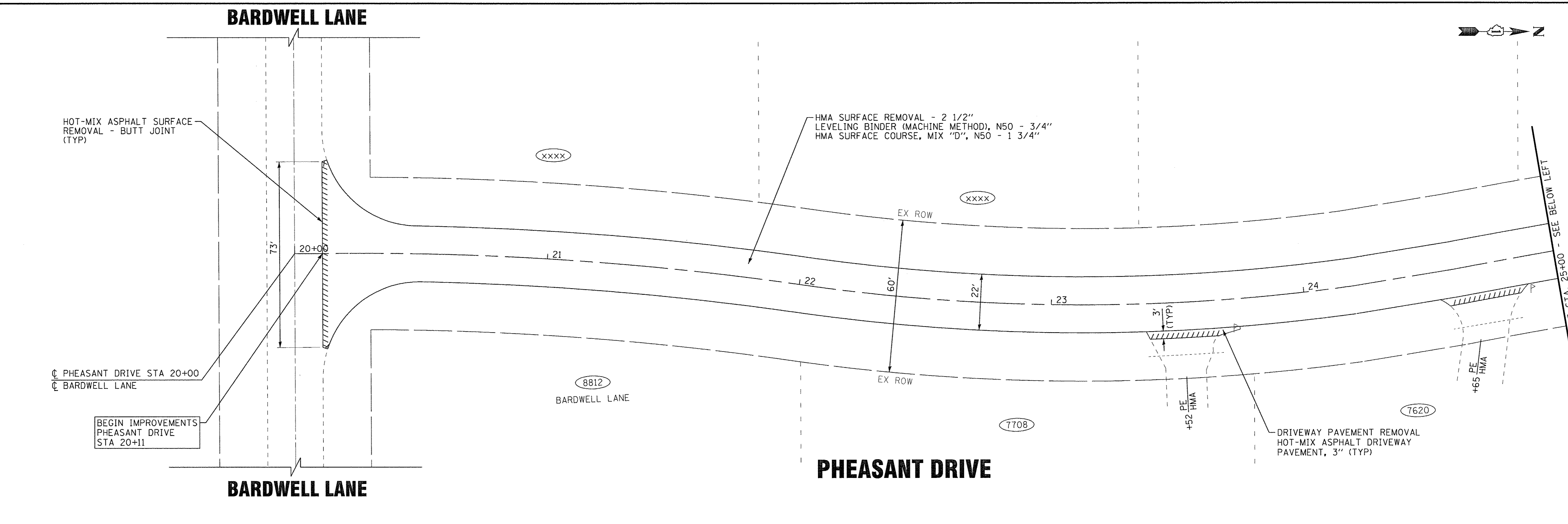
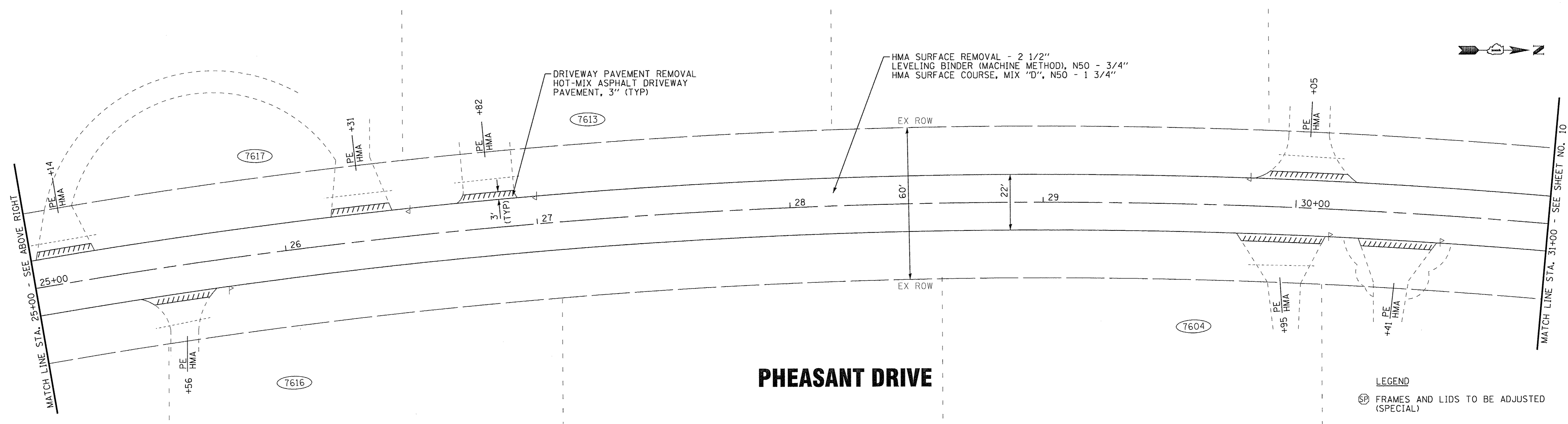
ROADWAY PLAN PHEASANT DRIVE

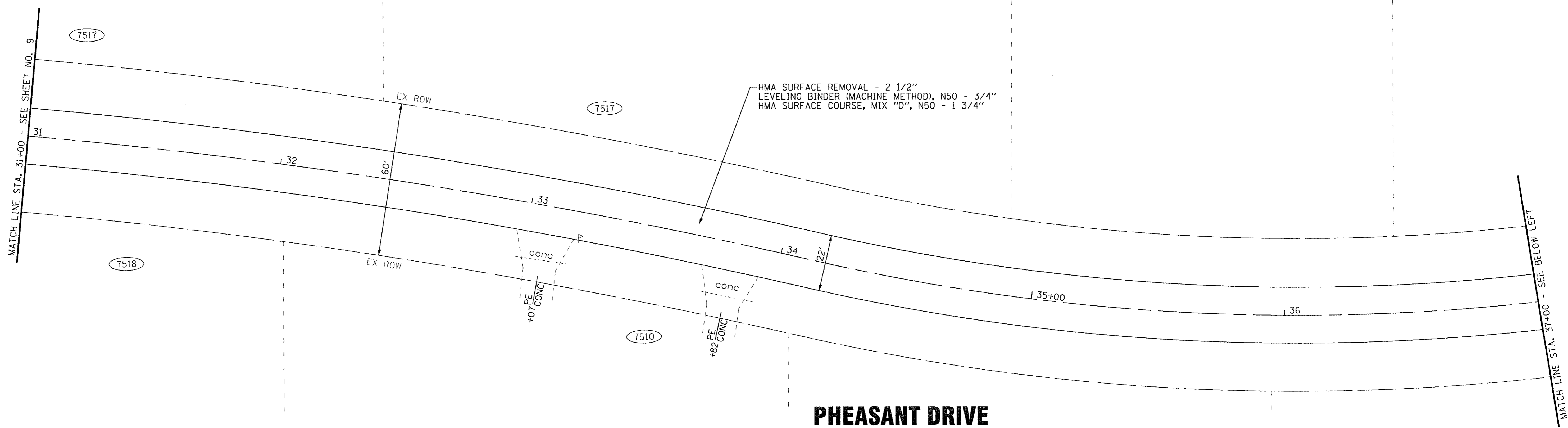
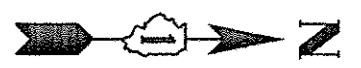
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STA. 20+00 TO STA. 31+00

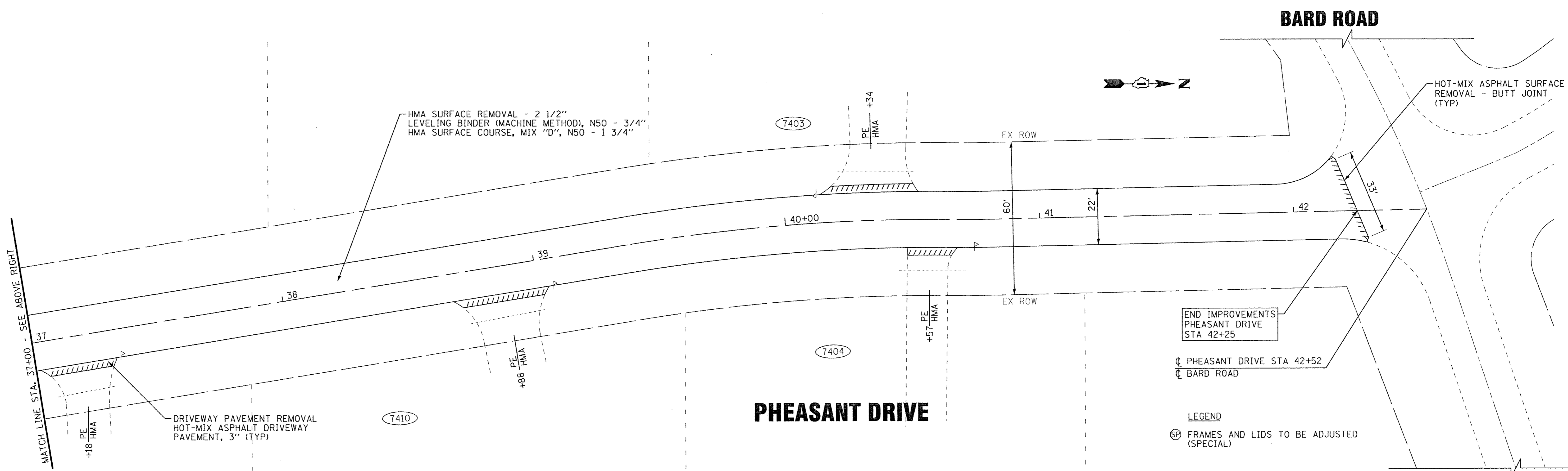
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4057	14-00013-00-RS	McHENRY	28	9
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(813)		
		CONTRACT NO. 61D39		

LEGEND
Ⓢ FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)





PHEASANT DRIVE



PHEASANT DRIVE

BARD ROAD

BARD ROAD

END IMPROVEMENTS
PHEASANT DRIVE
STA 42+25
☐ PHEASANT DRIVE STA 42+52
☐ BARD ROAD

LEGEND
☐ FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

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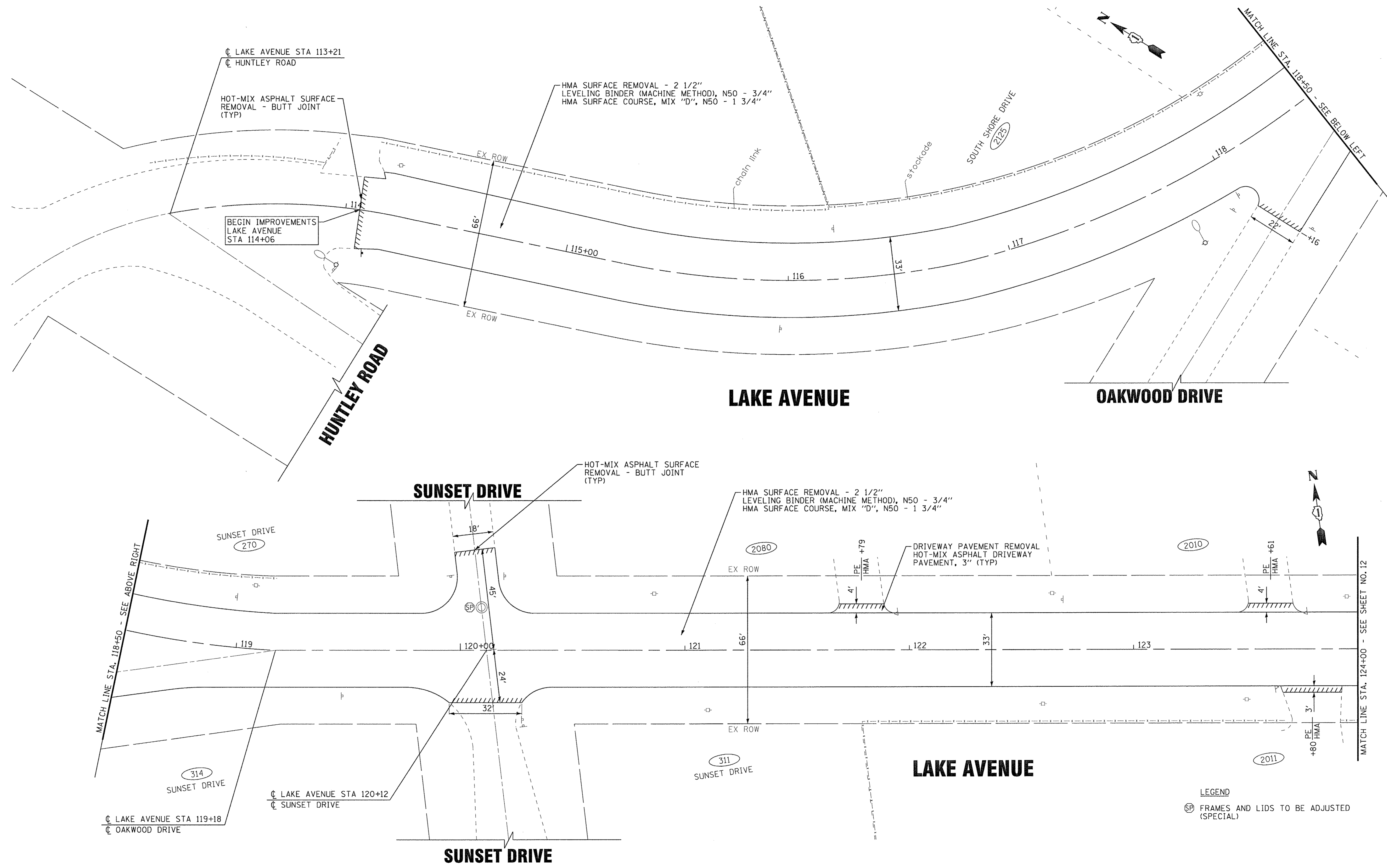
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN PHEASANT DRIVE

SCALE: 1" = 20'

STA. 31+00 TO STA. 42+52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(813)			CONTRACT NO. 61D39	



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ROADWAY PLAN LAKE AVENUE
 SCALE: 1" = 20'
 STA. 113+21 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(613)			CONTRACT NO. 61D39	

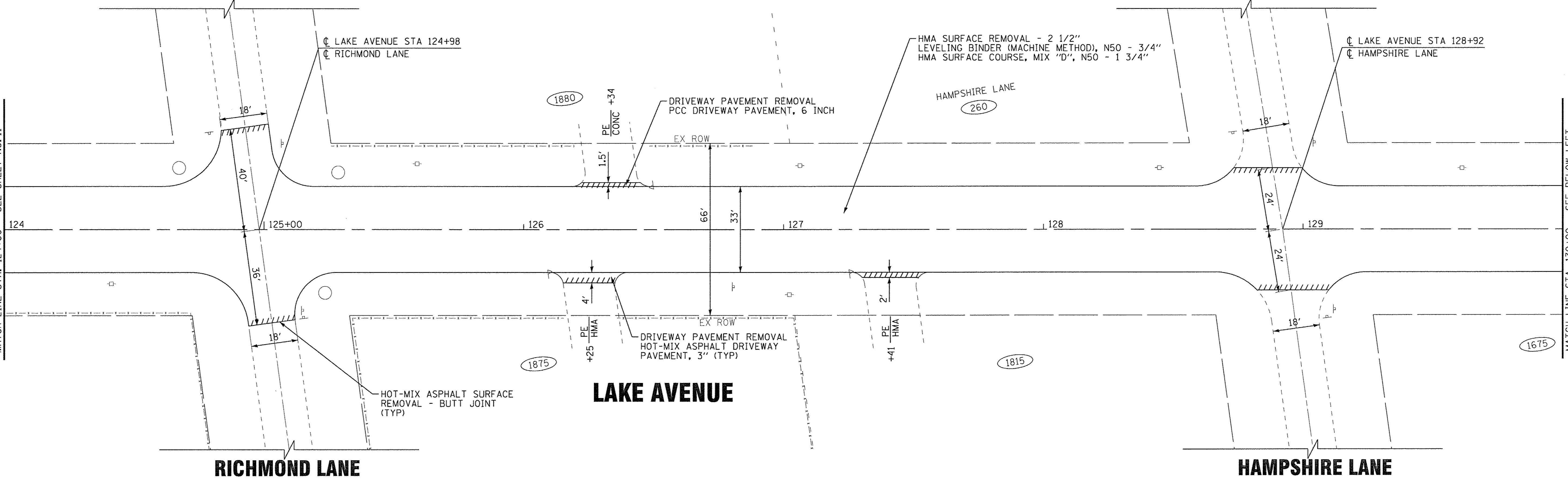
LEGEND
 (SF) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

RICHMOND LANE

HAMPSHIRE LANE

MATCH LINE STA. 124+00 - SEE SHEET NO. 11

MATCH LINE STA. 130+00 - SEE BELOW LEFT



RICHMOND LANE

HAMPSHIRE LANE

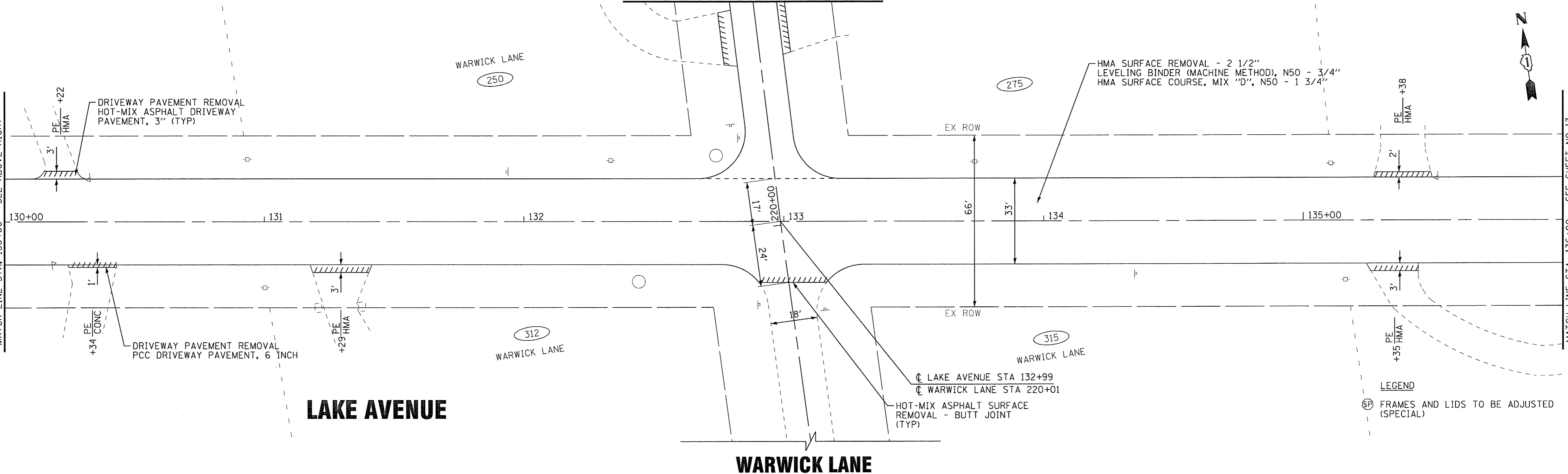
LAKE AVENUE

WARWICK LANE

FOR CONTINUATION - SEE SHEET NO. 16

MATCH LINE STA. 130+00 - SEE ABOVE RIGHT

MATCH LINE STA. 136+00 - SEE SHEET NO. 13



LAKE AVENUE

WARWICK LANE

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ROADWAY PLAN LAKE AVENUE

SCALE: 1" = 20'

STA. 124+00 TO STA. 136+00

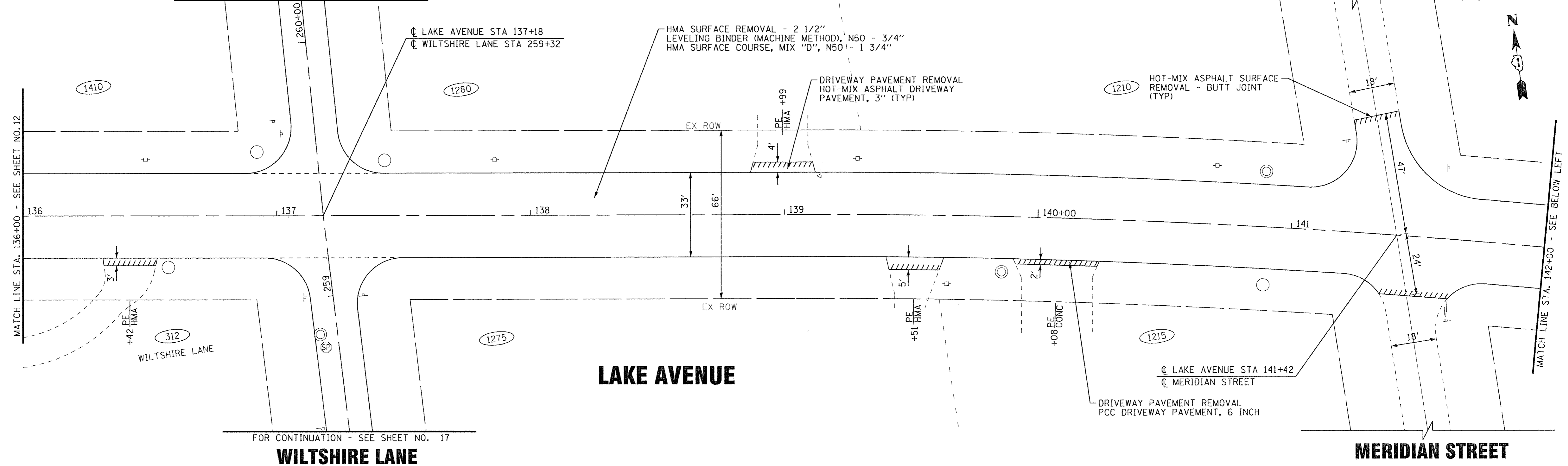
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4057	14-00013-00-RS	McHENRY	28	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(B13)	
			CONTRACT NO. 61D39	

LEGEND
 (S) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

WILTSHIRE LANE

FOR CONTINUATION - SEE SHEET NO. 18

MERIDIAN STREET



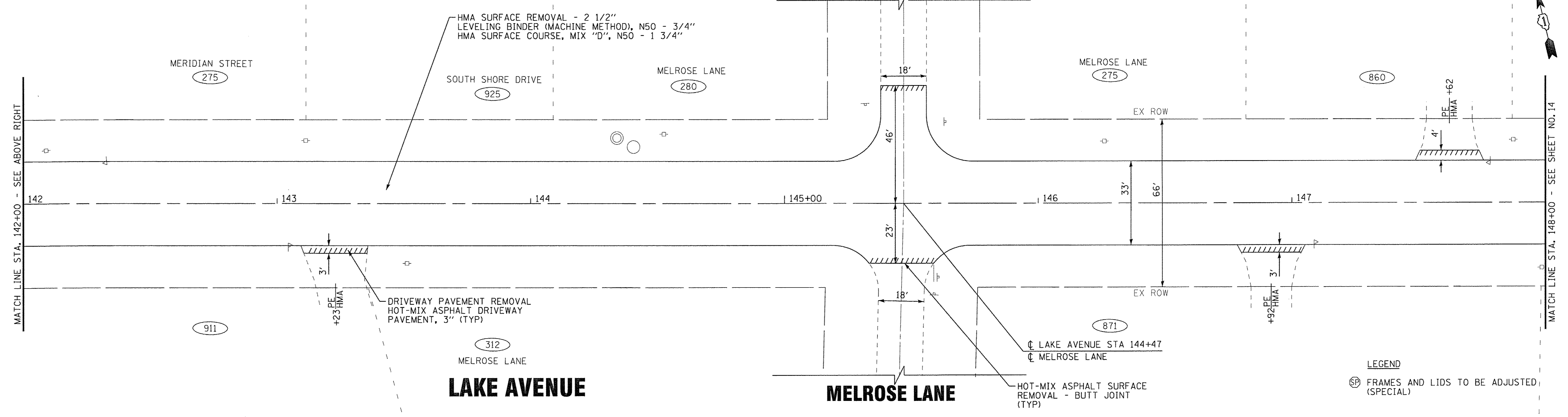
LAKE AVENUE

WILTSHIRE LANE

MERIDIAN STREET

FOR CONTINUATION - SEE SHEET NO. 17

MELROSE LANE



LAKE AVENUE

MELROSE LANE

LEGEND
 (S) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

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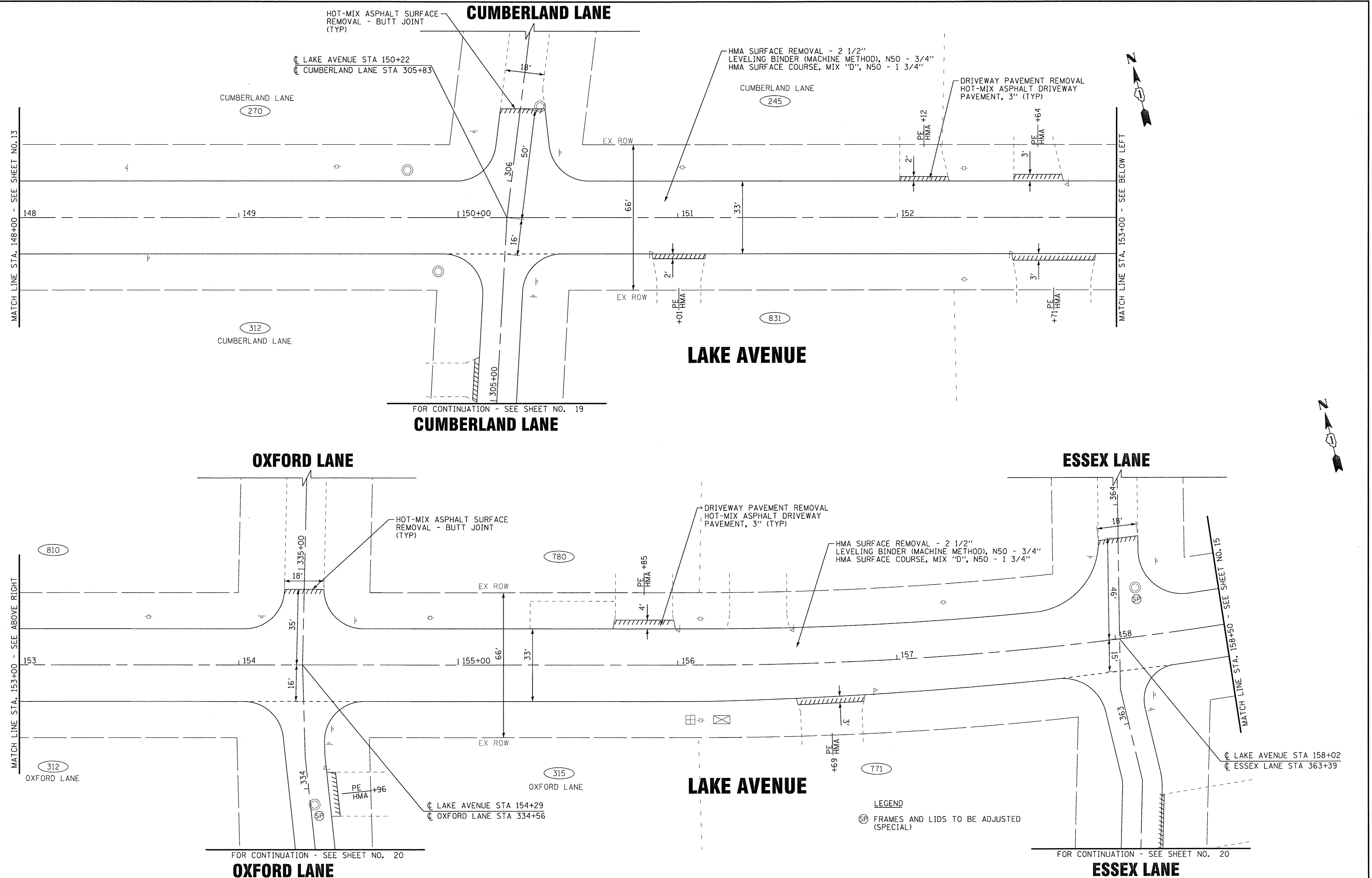
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ROADWAY PLAN LAKE AVENUE

SCALE: 1" = 20'
 STA. 136+00 TO STA. 148+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	13
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-40031813	
			CONTRACT NO. 61D39	



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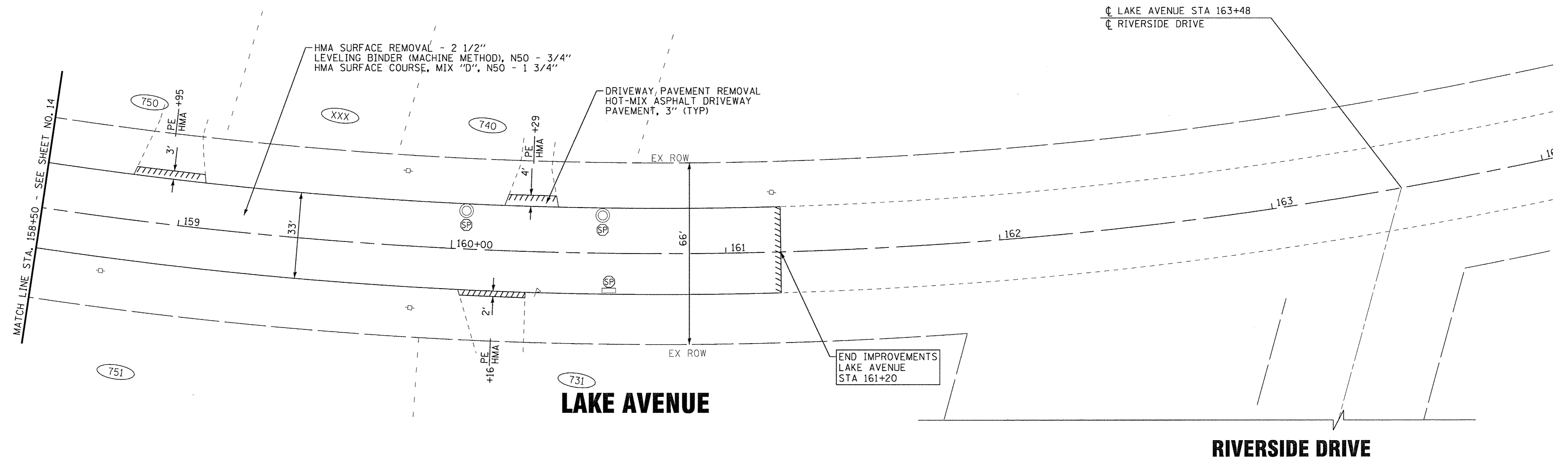
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ROADWAY PLAN LAKE AVENUE

SCALE: 1" = 20' STA. 148+00 TO STA. 158+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(B13)		
CONTRACT NO. 61D39				



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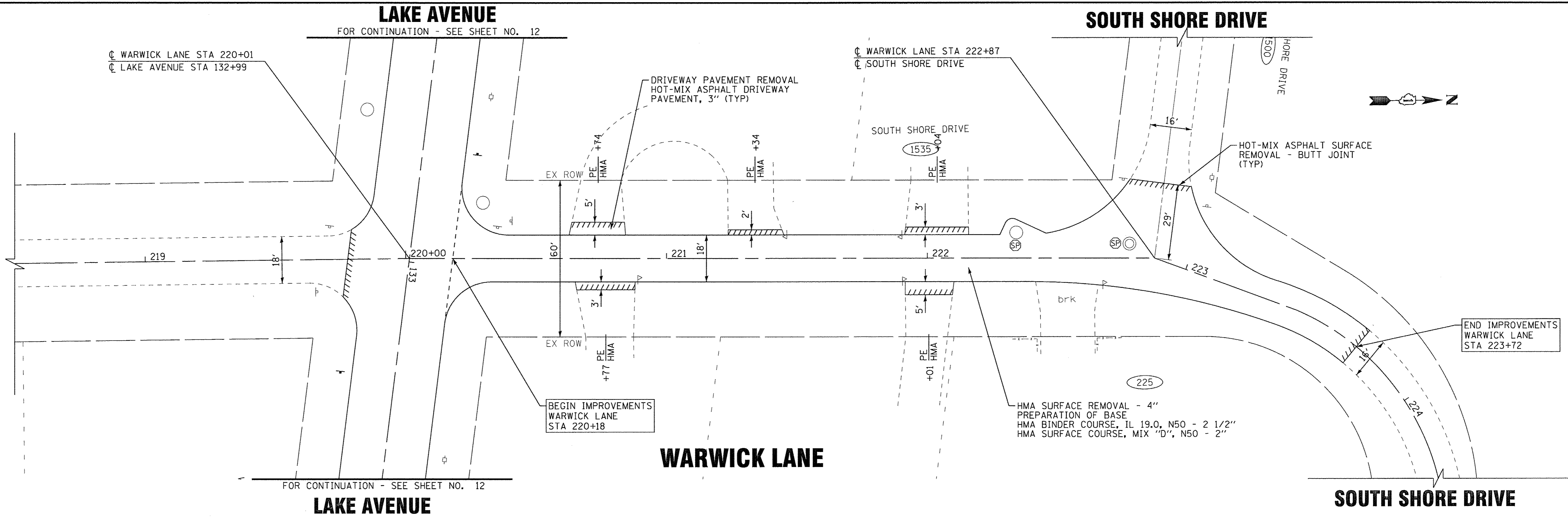
ROADWAY PLAN LAKE AVENUE

SCALE: 1" = 20' STA. 158+50 TO STA. 164+00

LEGEND

⊕ FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(813)			CONTRACT NO. 61D39	



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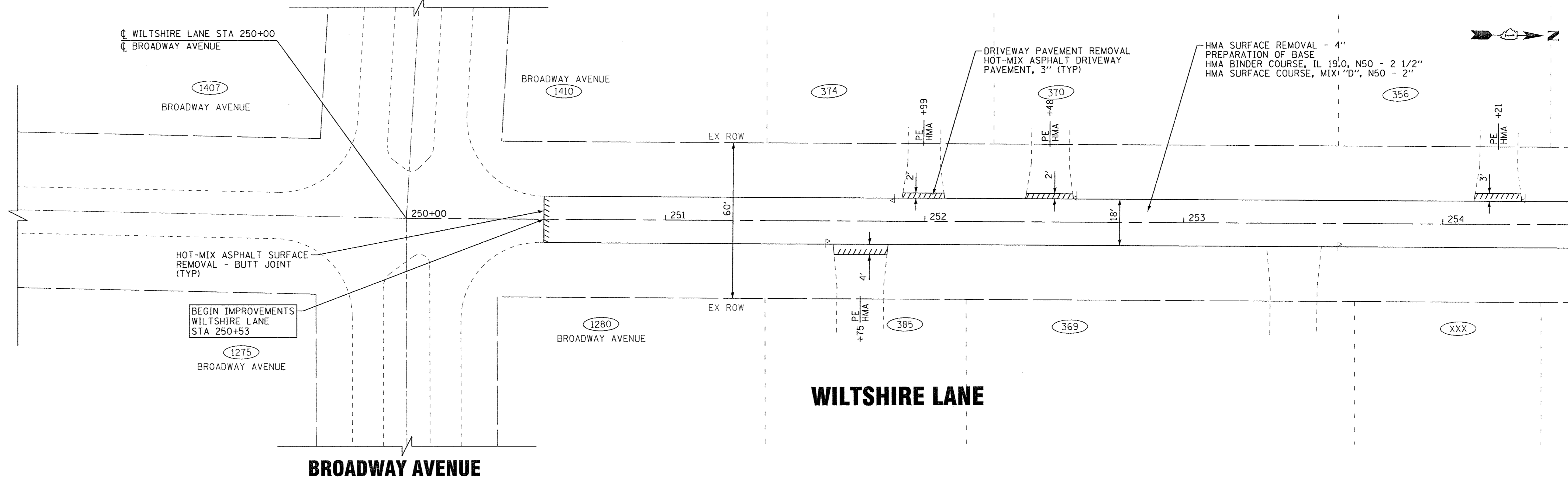
ROADWAY PLAN WARWICK LANE

SCALE: 1" = 20' STA. 218+50 TO STA. 222+87

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(813)			CONTRACT NO. 61D39	

LEGEND
 (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

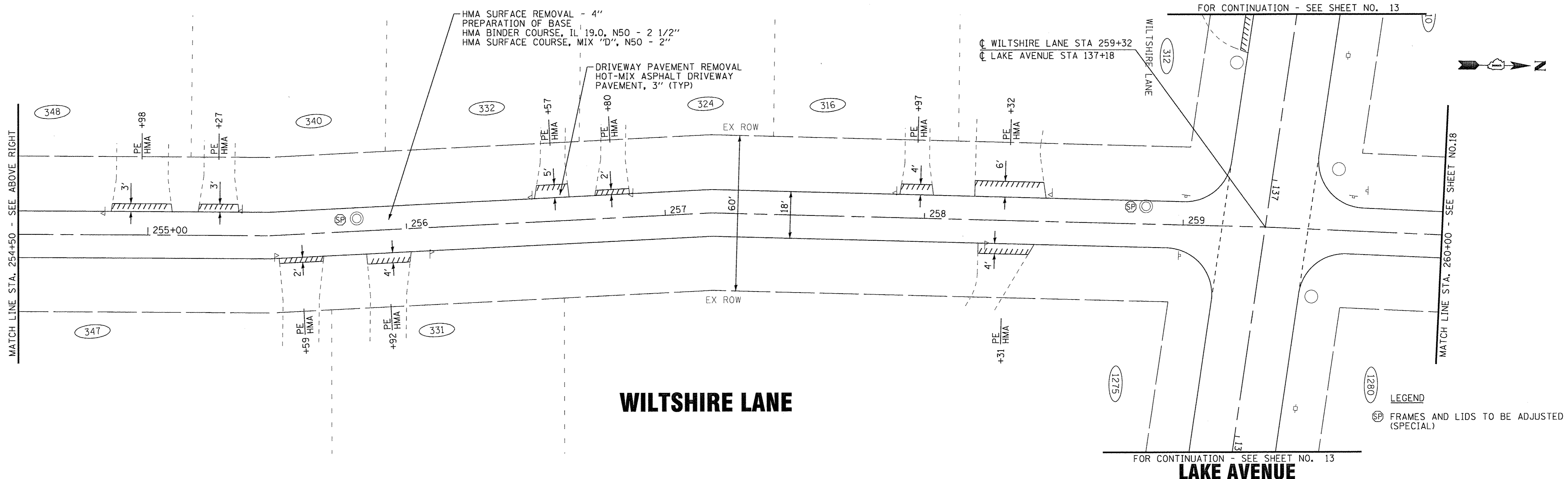
BROADWAY AVENUE



BROADWAY AVENUE

WILTSHIRE LANE

LAKE AVENUE



WILTSHIRE LANE

LAKE AVENUE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

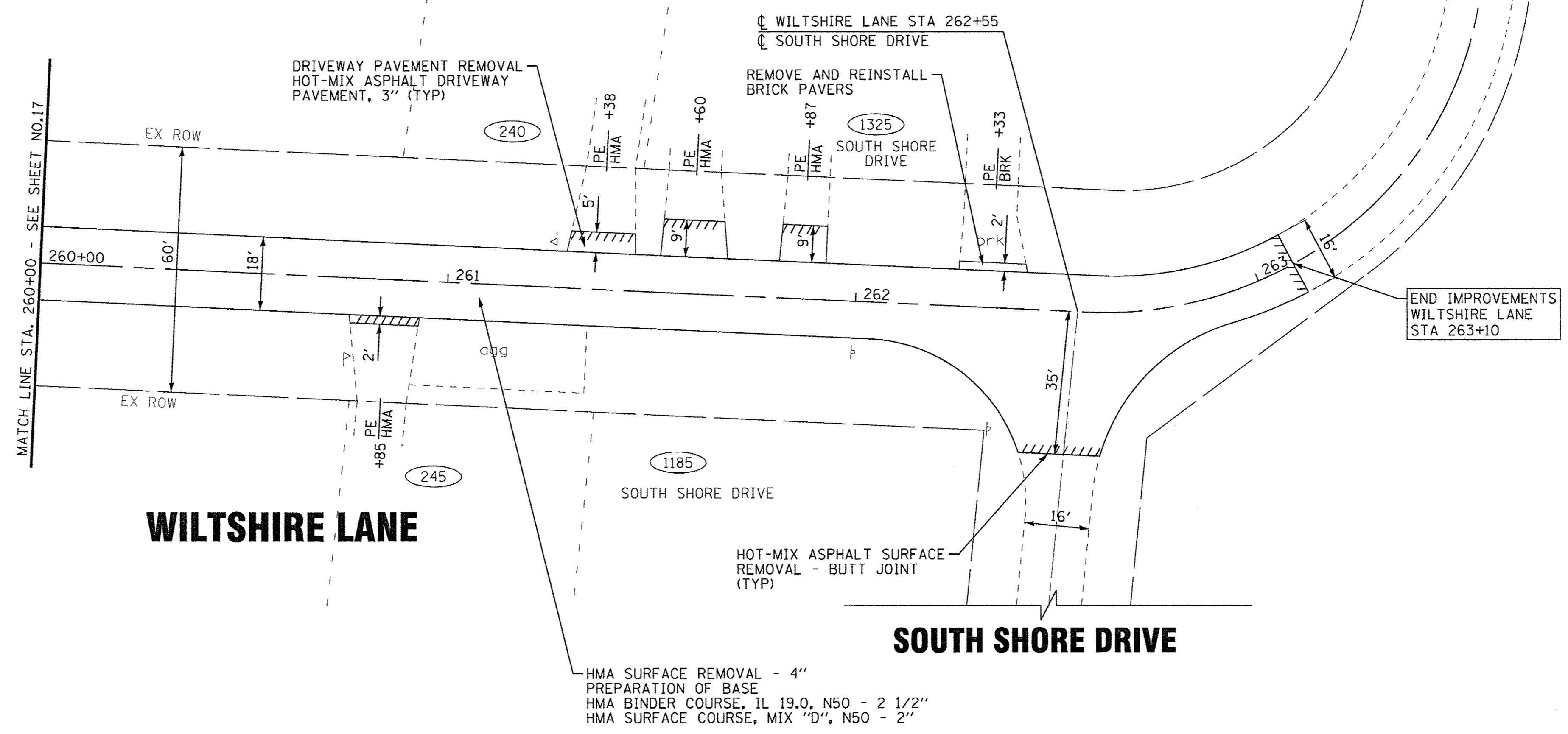
ROADWAY PLAN WILTSHIRE LANE

SCALE: 1" = 20'
STA. 250+00 TO STA. 260+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(813)	
			CONTRACT NO. 61D39	

LEGEND
 SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

SOUTH SHORE DRIVE



WILTSHIRE LANE

SOUTH SHORE DRIVE

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 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
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DESIGNED - JJF	REVISED -
DRAWN - KAR	REVISED -
CHECKED - JJF	REVISED -
DATE - 09-30-16	FILE - 140645SHT-Plan11_Wiltshire.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

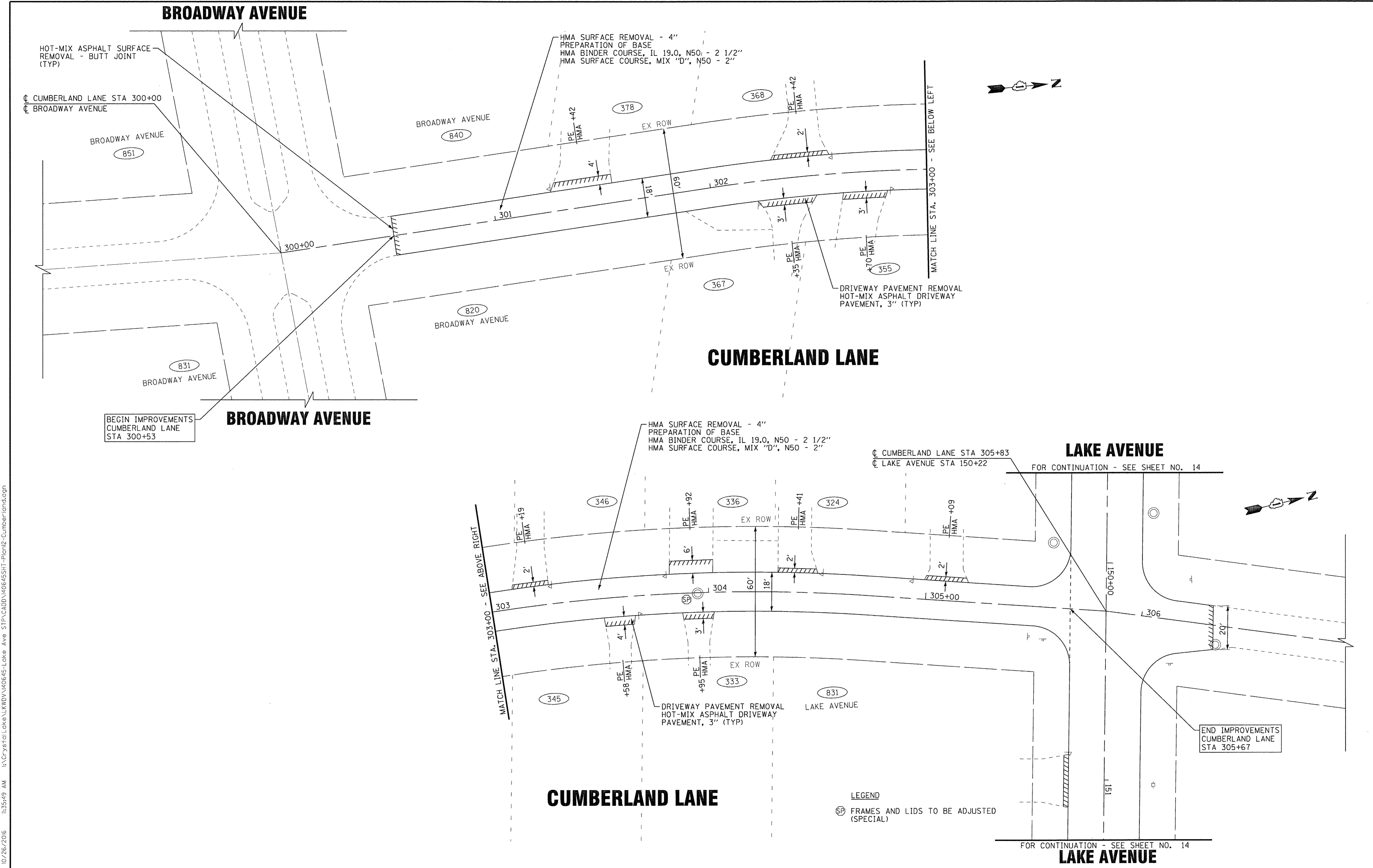
ROADWAY PLAN WILTSHIRE LANE

SCALE: 1" = 20'

STA. 260+00 TO STA. 262+55

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(B13)	
			CONTRACT NO. 61D39	

LEGEND
 (SF) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



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BAXTER & WOODMAN <small>Consulting Engineers</small>	DESIGNED - JJF	REVISED -
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	CHECKED - JJF	REVISED -
	DATE - 09-30-16	FILE - 140645SHT-Plan12-Cumberland.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN CUMBERLAND LANE

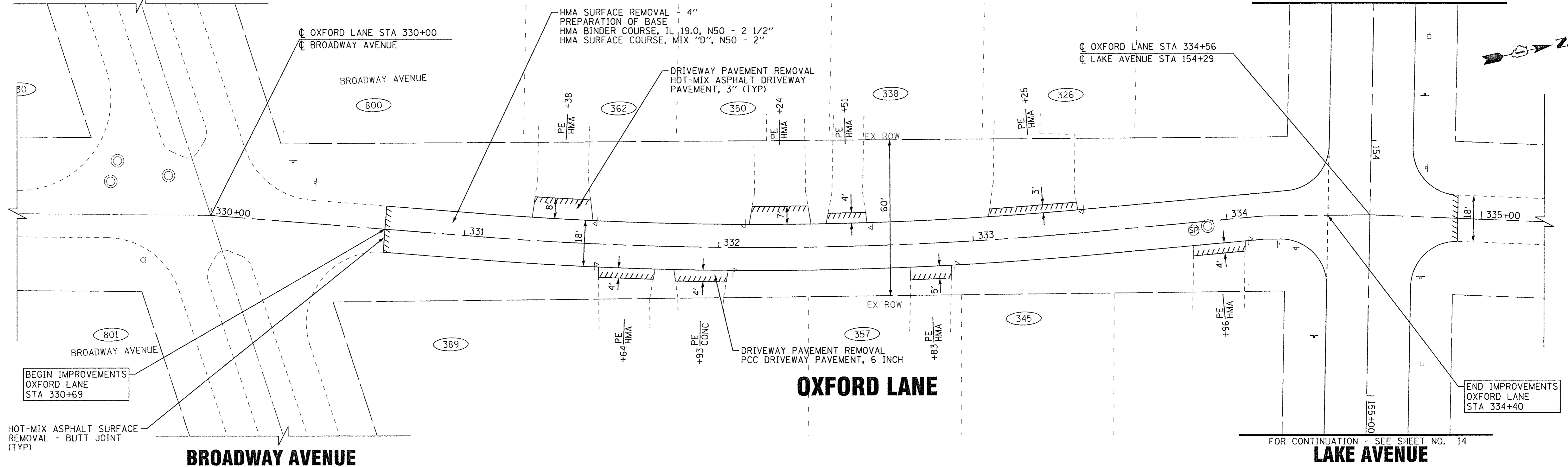
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STA. 300+00 TO STA. 305+83

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(B13)			CONTRACT NO. 61D39	

BROADWAY AVENUE

LAKE AVENUE

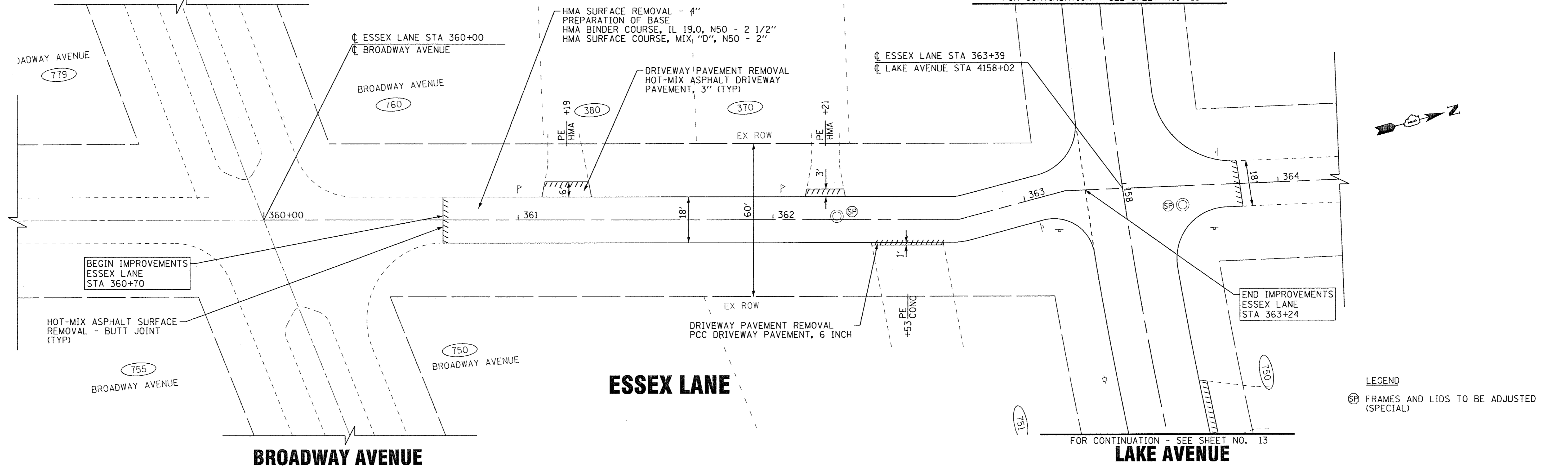
FOR CONTINUATION - SEE SHEET NO. 14



BROADWAY AVENUE

LAKE AVENUE

FOR CONTINUATION - SEE SHEET NO. 13



LEGEND
 (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JJF	REVISED -
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	CHECKED - JJF	REVISED -
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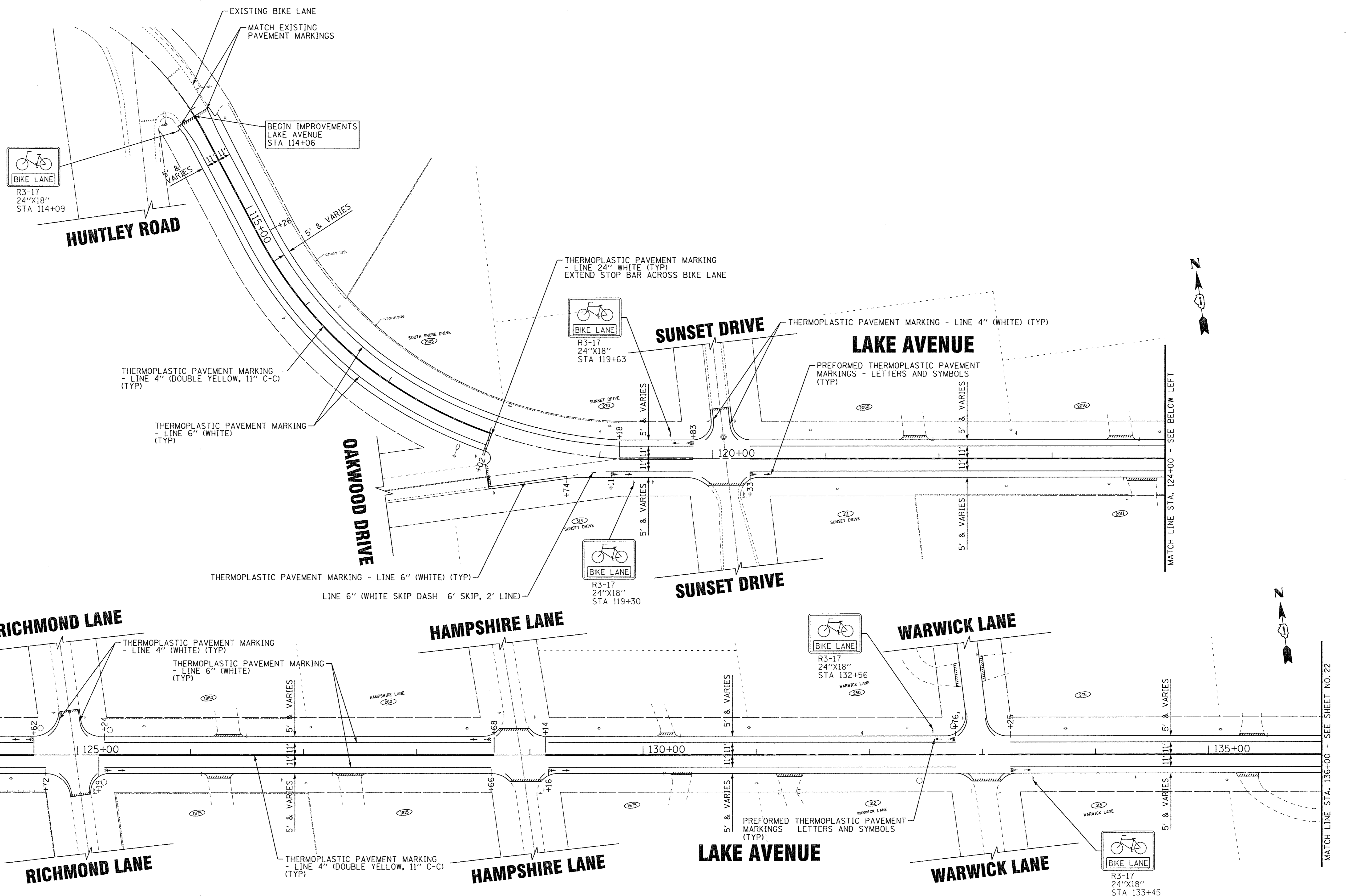
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN OXFORD LANE & ESSEX LANE

SCALE: 1" = 20'

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(813)		
		CONTRACT NO. 61D39		



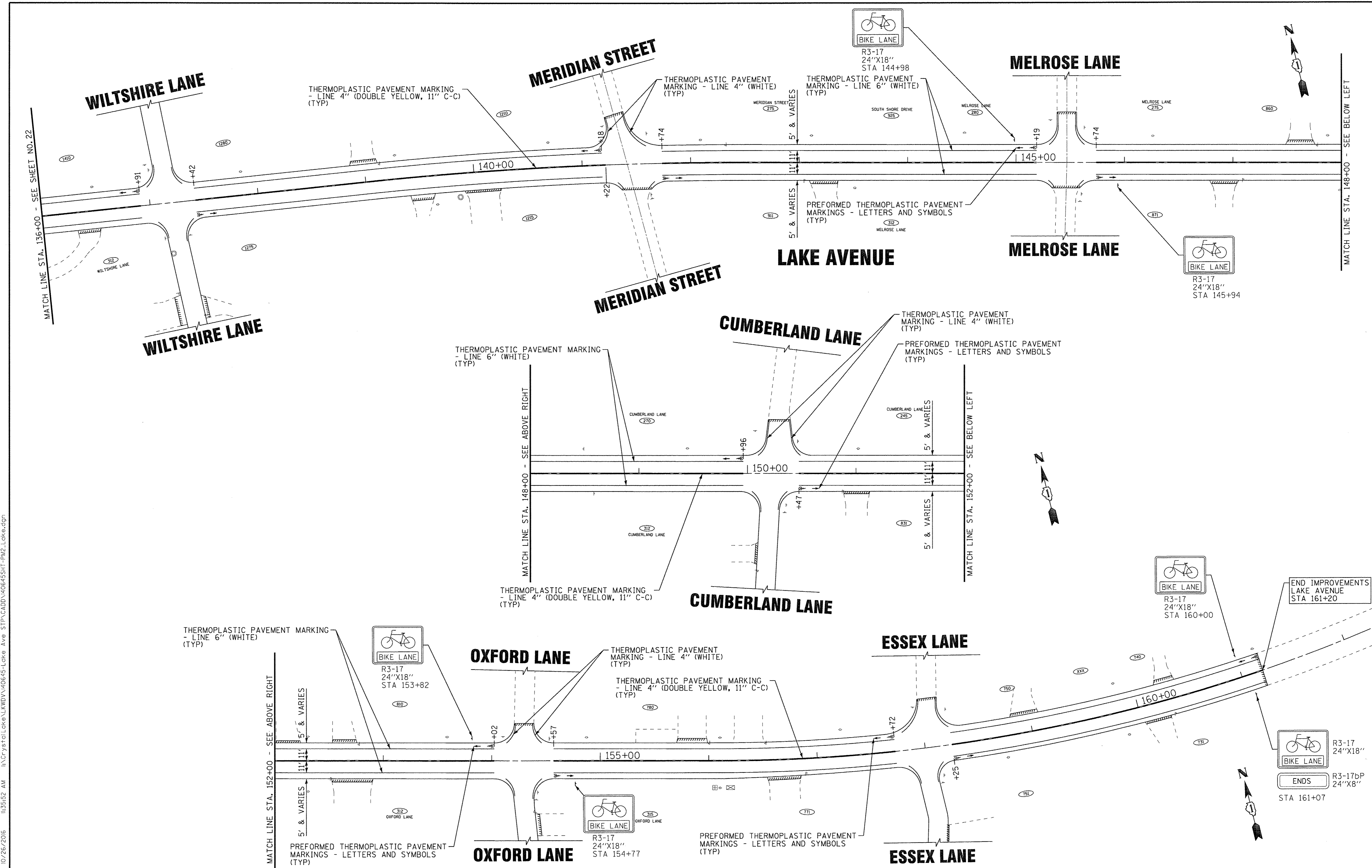
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JJF	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - JJF	REVISED -
	DATE - 09-30-16	FILE - 140645SHT-PM1.Lake.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLAN LAKE AVENUE		
SCALE: 1" = 40'	STA. 113+21	TO STA. 136+00

F.A.J. RTE. 4057	SECTION 14-00013-00-RS	COUNTY McHENRY	TOTAL SHEETS 28	SHEET NO. 21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT M-4003(813)		
CONTRACT NO. 61D39				



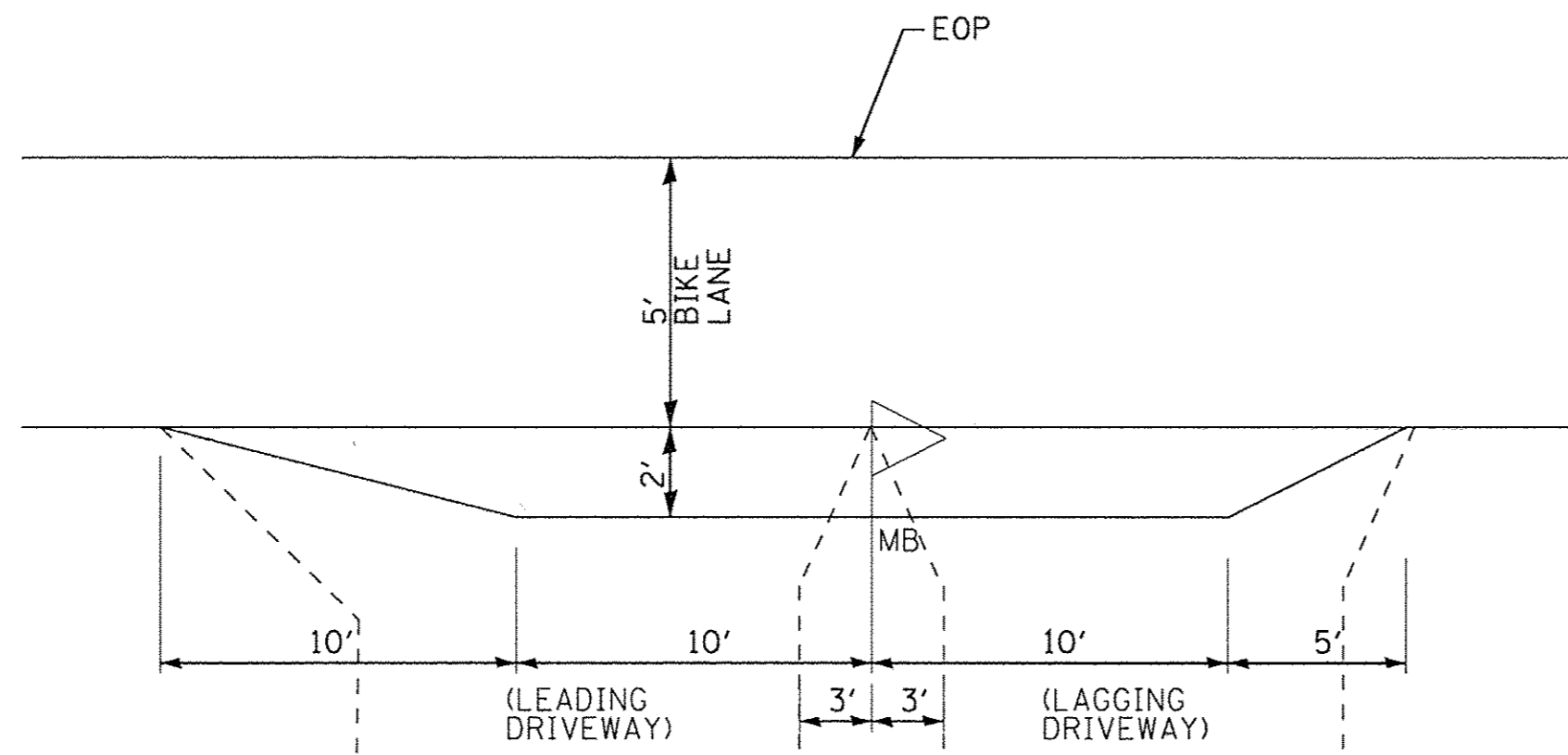
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JJF	REVISED -
	DRAWN - KAR	REVISED -
	CHECKED - JJF	REVISED -
	DATE - 09-30-16	FILE - 140645SHT-PM2.Lake.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN
LAKE AVENUE
 SCALE: 1" = 40'
 STA. 136+00 TO STA. 162+00

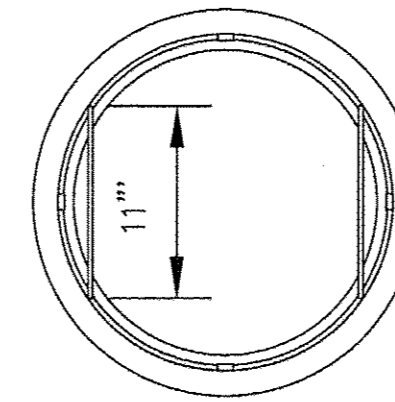
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CONTRACT NO.		61D39		



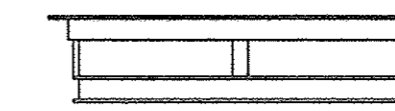
- NOTES:
1. FACE OF MB SHALL BE 6" TO 12" FROM EDGE OF TURNOUT AND MINIMUM OF 2' FROM EDGE OF BIKE LANE.
 2. MB SHALL BE A MINIMUM OF 36" FROM DRIVEWAY EDGE WHEN ADJACENT TO A DRIVEWAY.

MAILBOX TURNOUT DETAIL

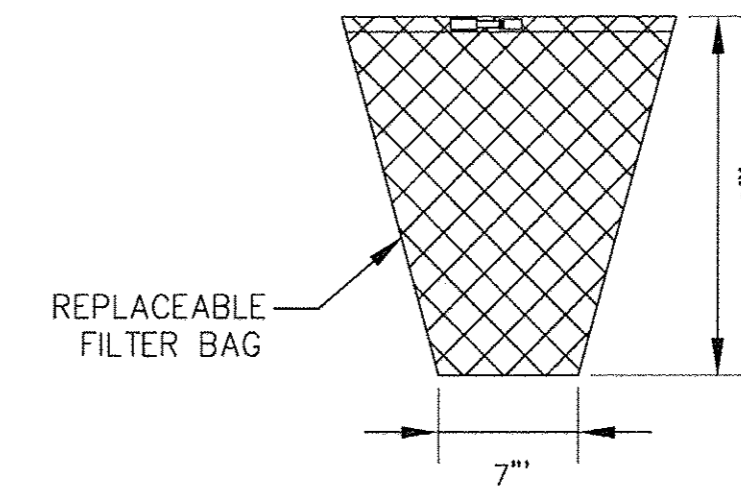
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PLAN



SECTION



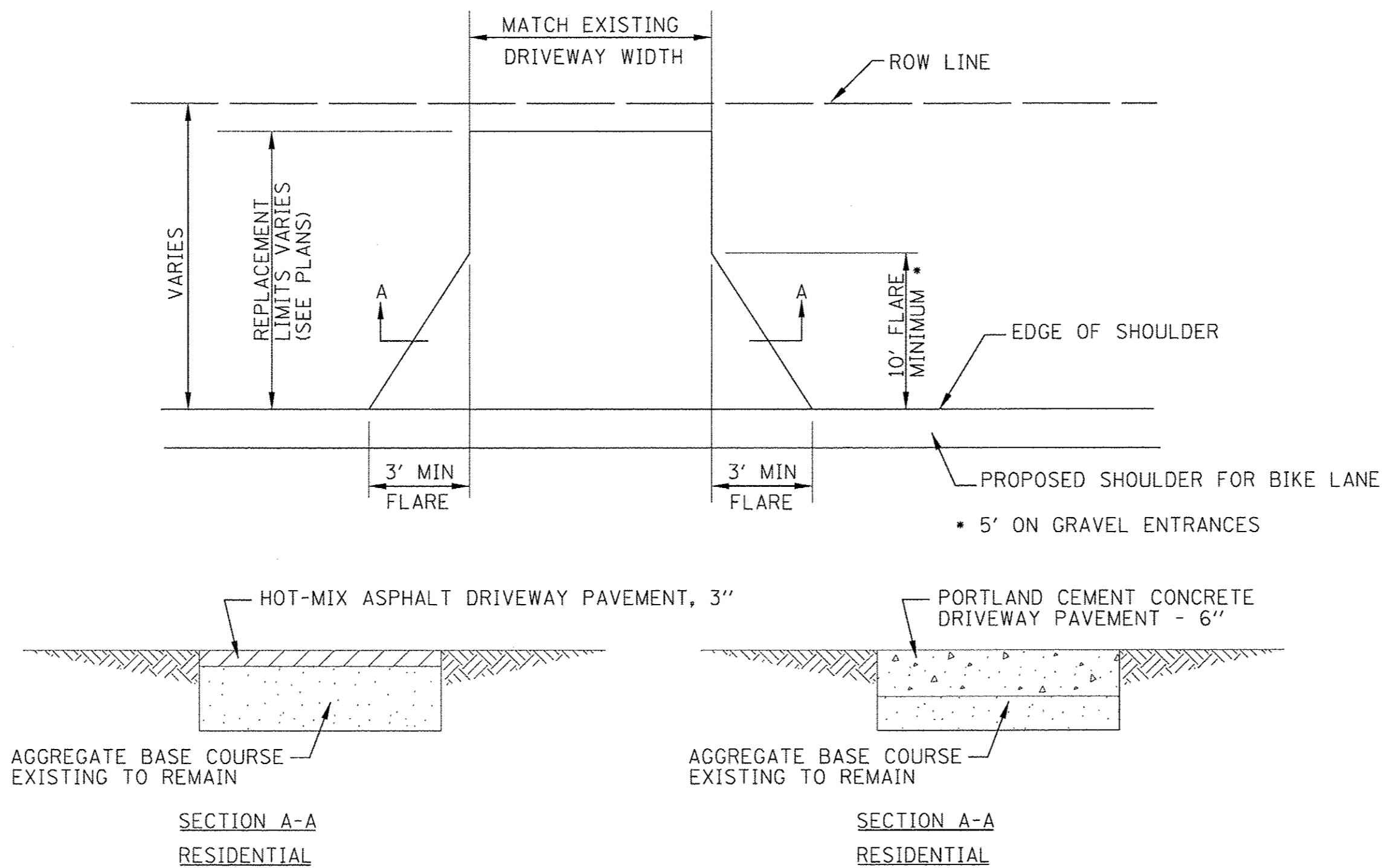
REPLACEABLE FILTER BAG

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.

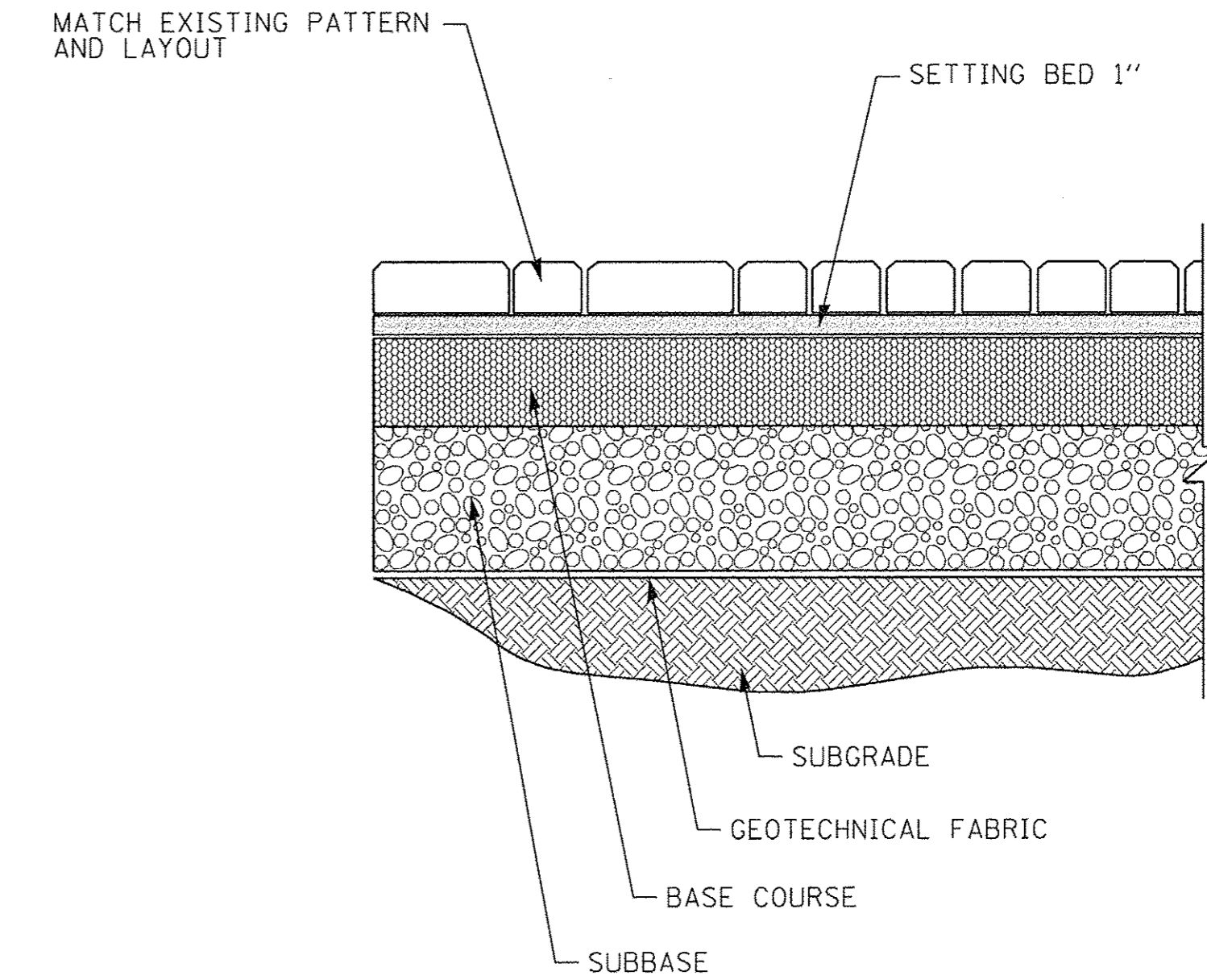
INLET FILTER

NO SCALE



DRIVEWAYS

NO SCALE



REMOVE AND REINSTALL BRICK PAVER DETAIL

NO SCALE
 WILTSHIRE AVENUE STA 262+33

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 LICENSE NO. - 184-00123 - EXPIRES 4/30/2017
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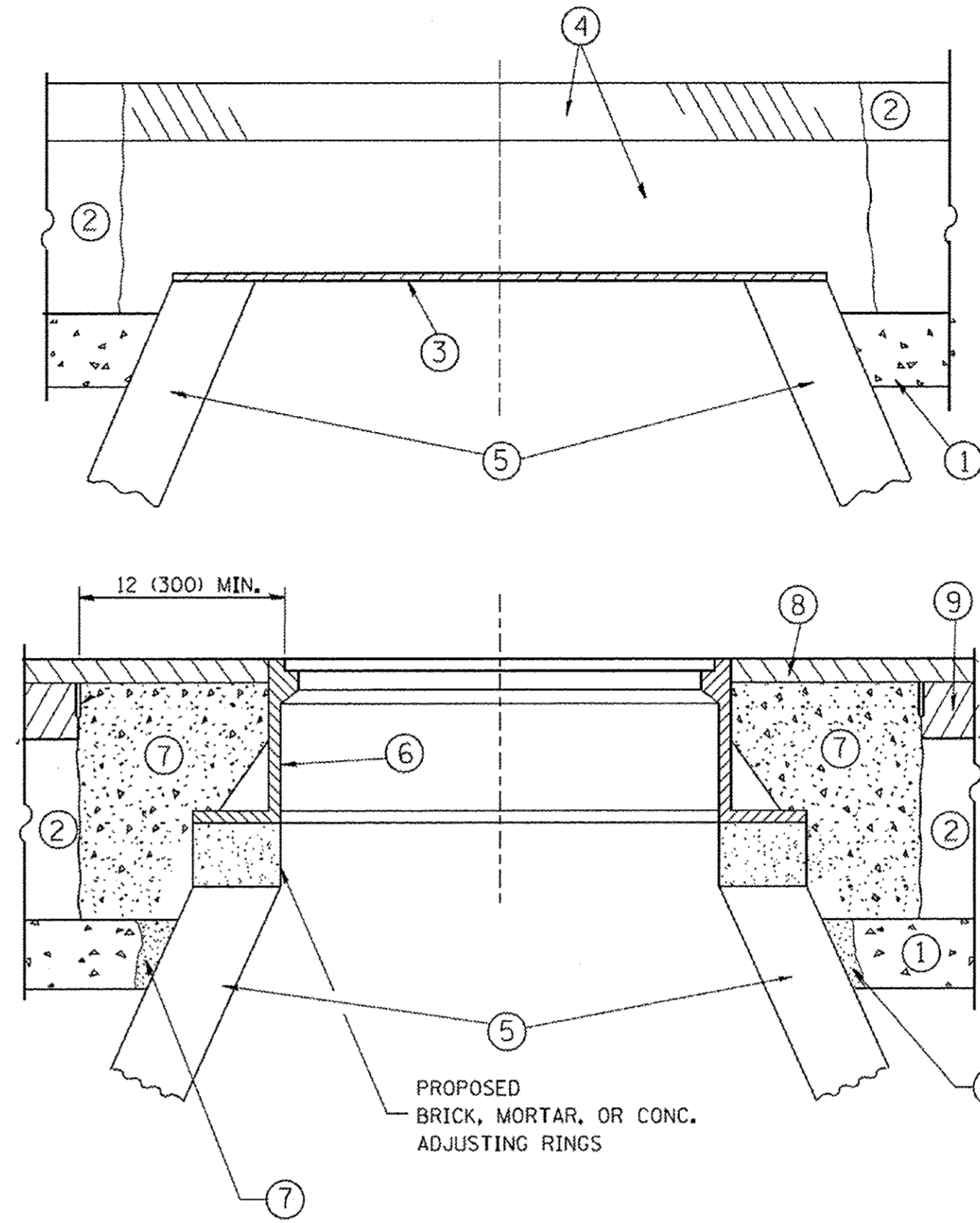
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	DRAWN - KAR	REVISED -
	CHECKED - JJF	REVISED -
	DATE - 09-30-16	FILE - 140645SHT-MiscDetails.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4057	14-00013-00-RS	McHENRY	28	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT M-4003(813)	
			CONTRACT NO. 61D39	

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 PLOT SCALE = 1/8" = 1'-0"
 PLOT DATE = 12/6/2011
 DATE = 10-25-94
 REVISIONS: 05-14-04, 01-01-07, 03-09-11, 12-06-11



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 1 1/2 (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

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.

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.

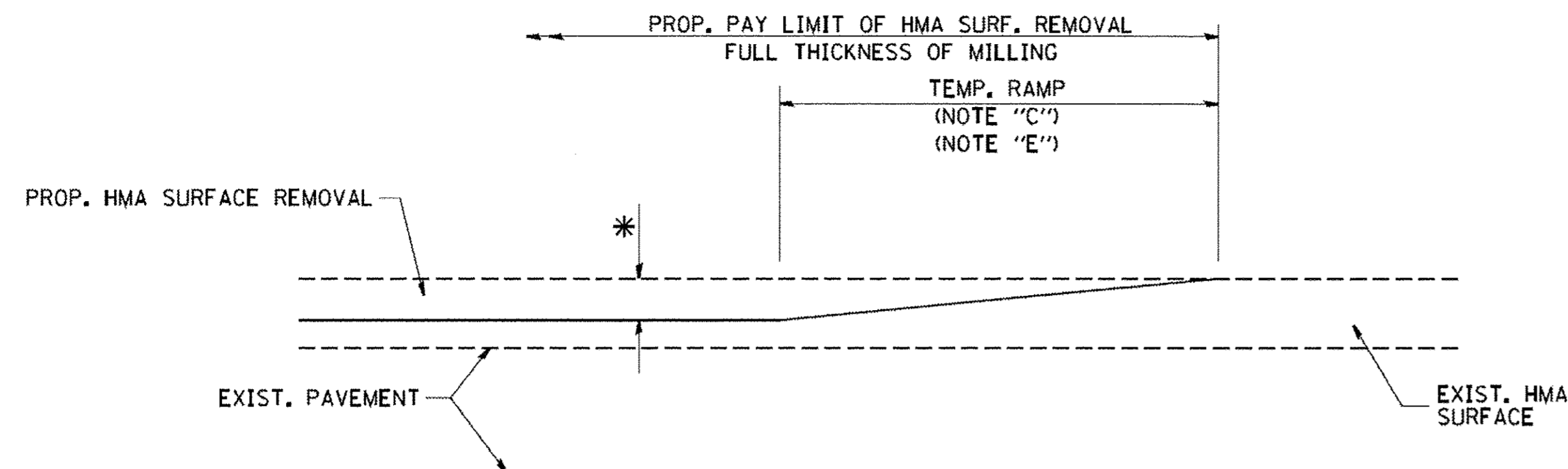
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

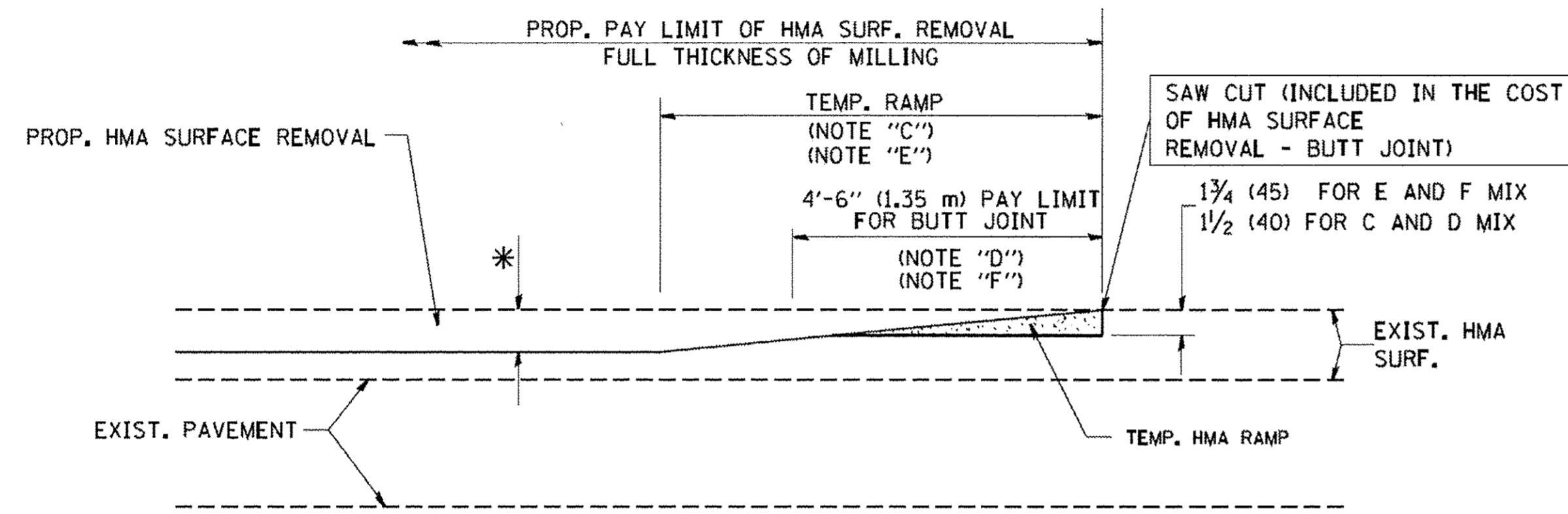
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		CHECKED -	REVISED - R. BORO 03-09-11		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(813)							
		PLOT DATE = 12/6/2011	DATE - 10-25-94		REVISED - R. BORO 12-06-11							



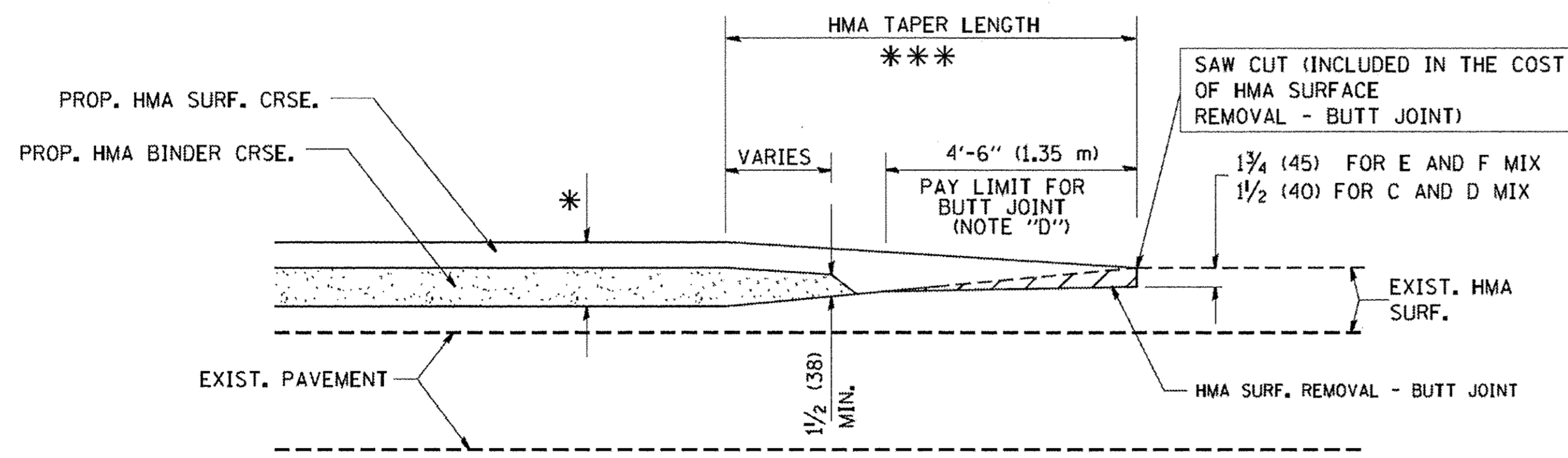
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

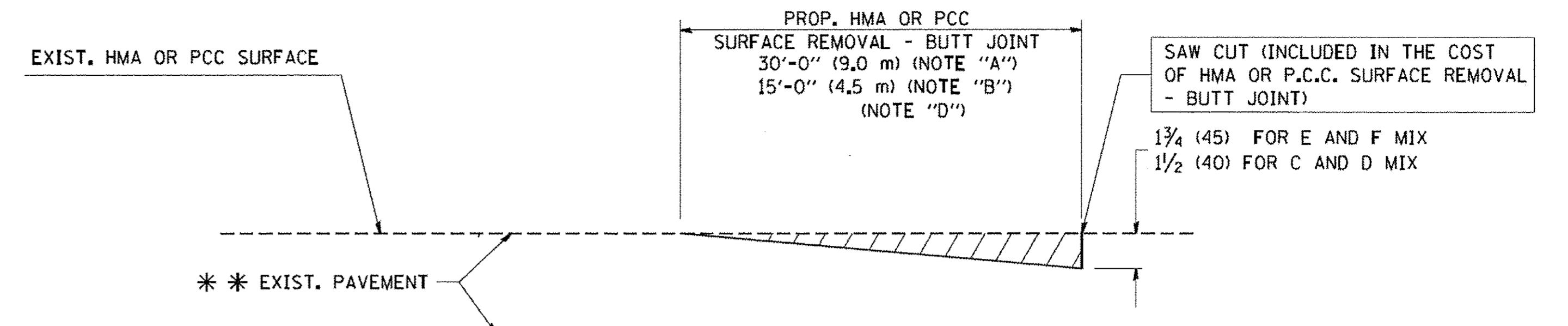


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

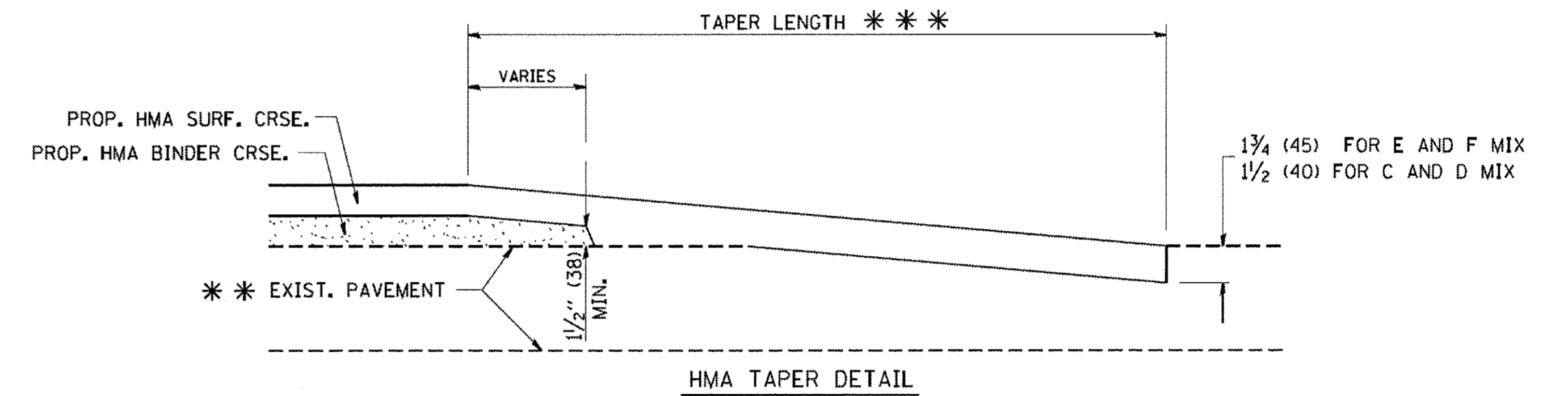
OPTION 2
TYPICAL TEMPORARY RAMP



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
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

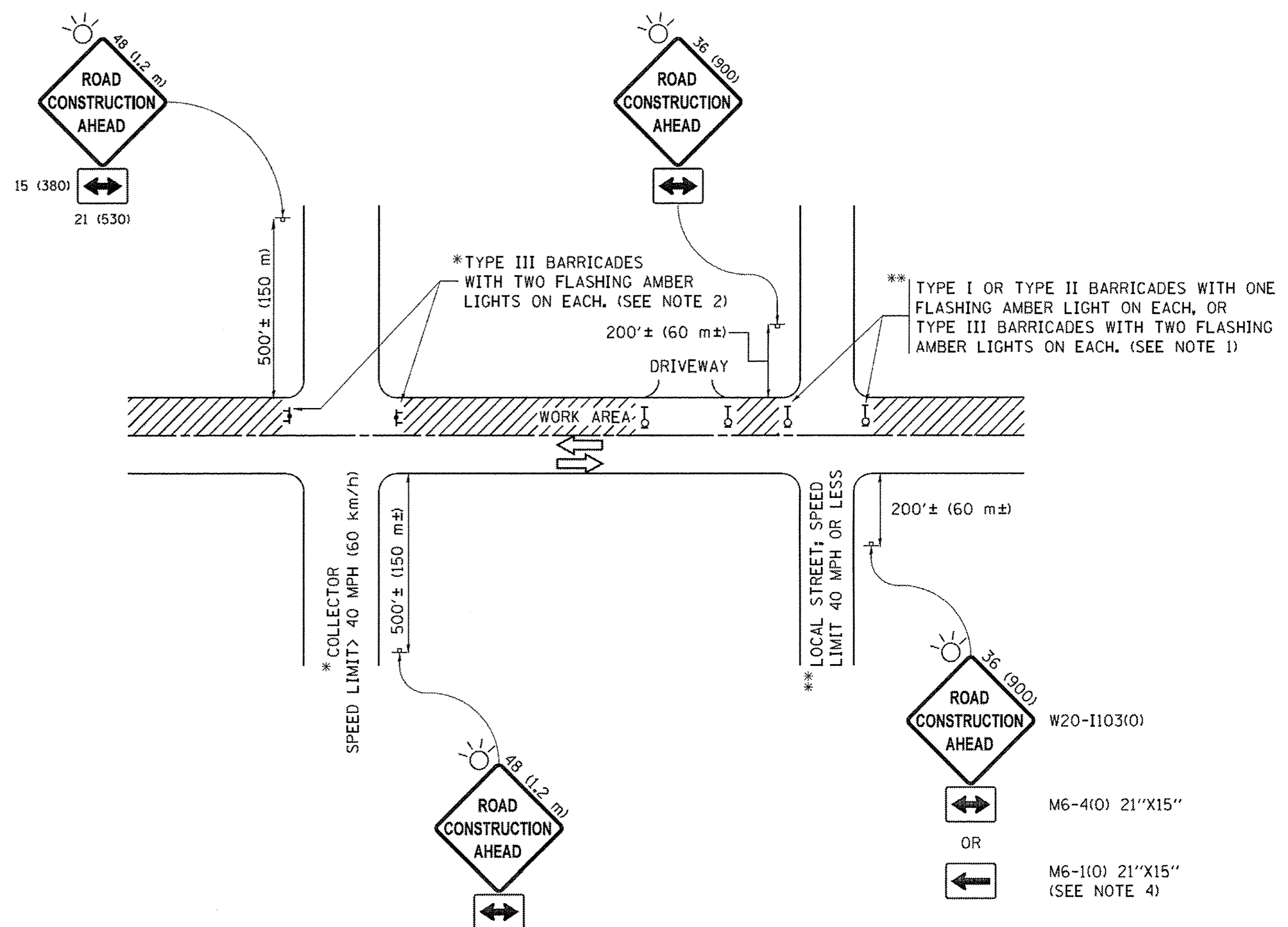
BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

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PLOT SCALE = 50.0000' / IN.		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 61039	
PLOT DATE = 1/4/2008		CHECKED -	REVISED - M. GOMEZ 04-06-01		SHEET NO. 1 OF 1 SHEETS			STA.		TO STA.		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(813)	
		DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	



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.

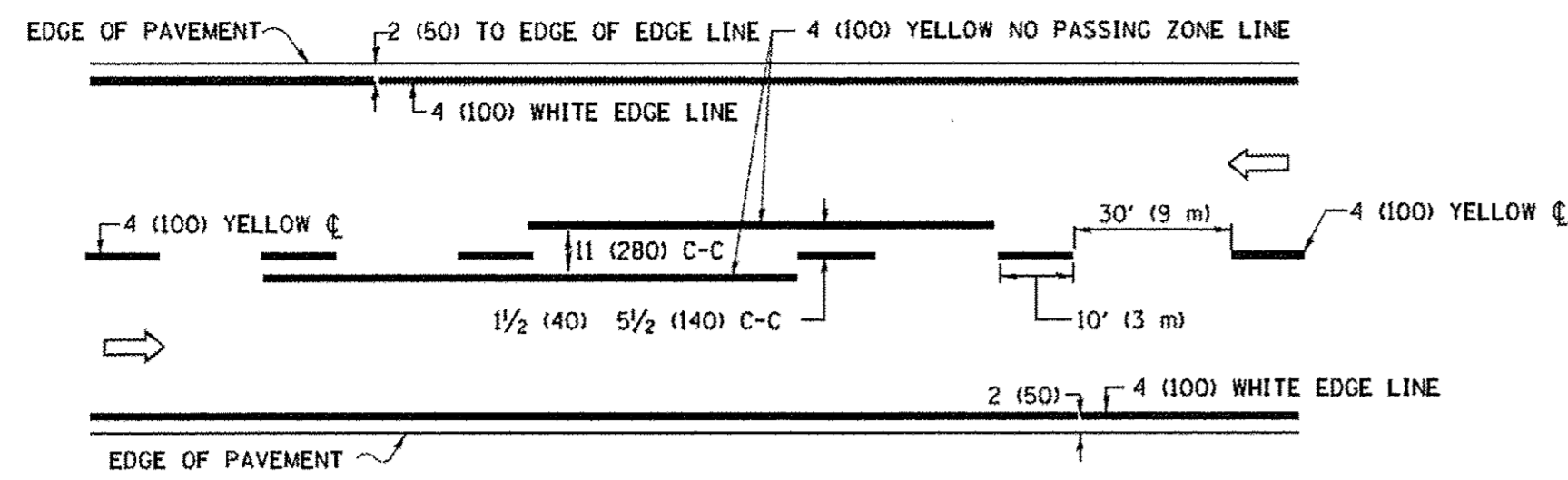
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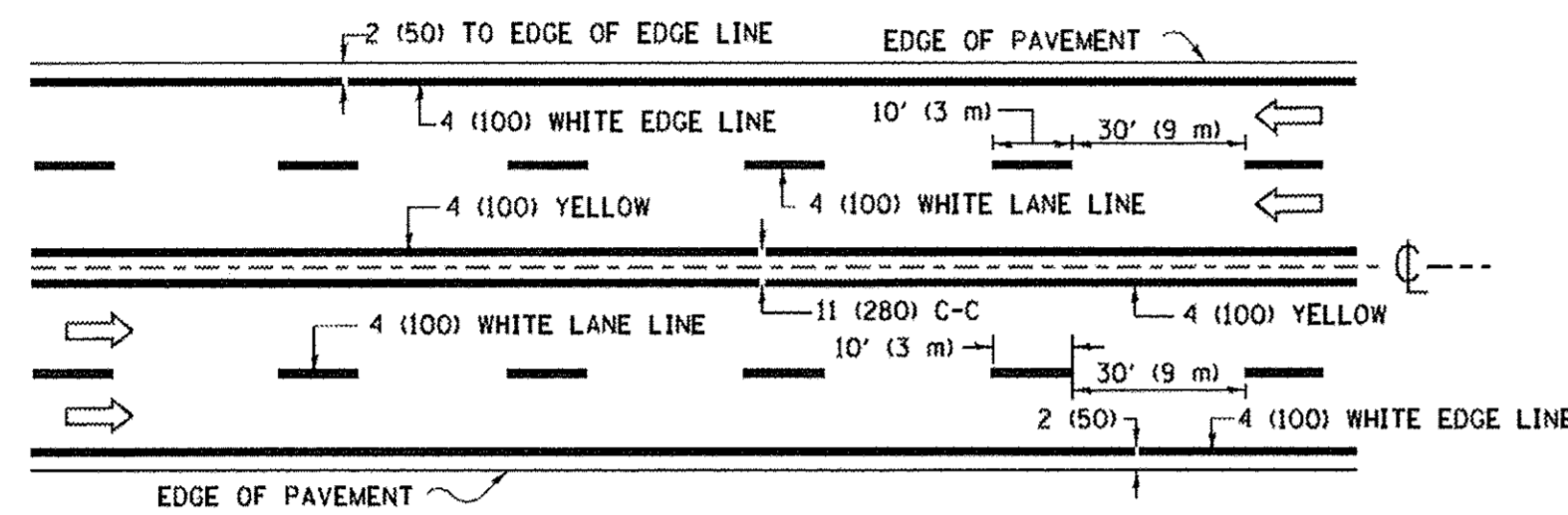
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

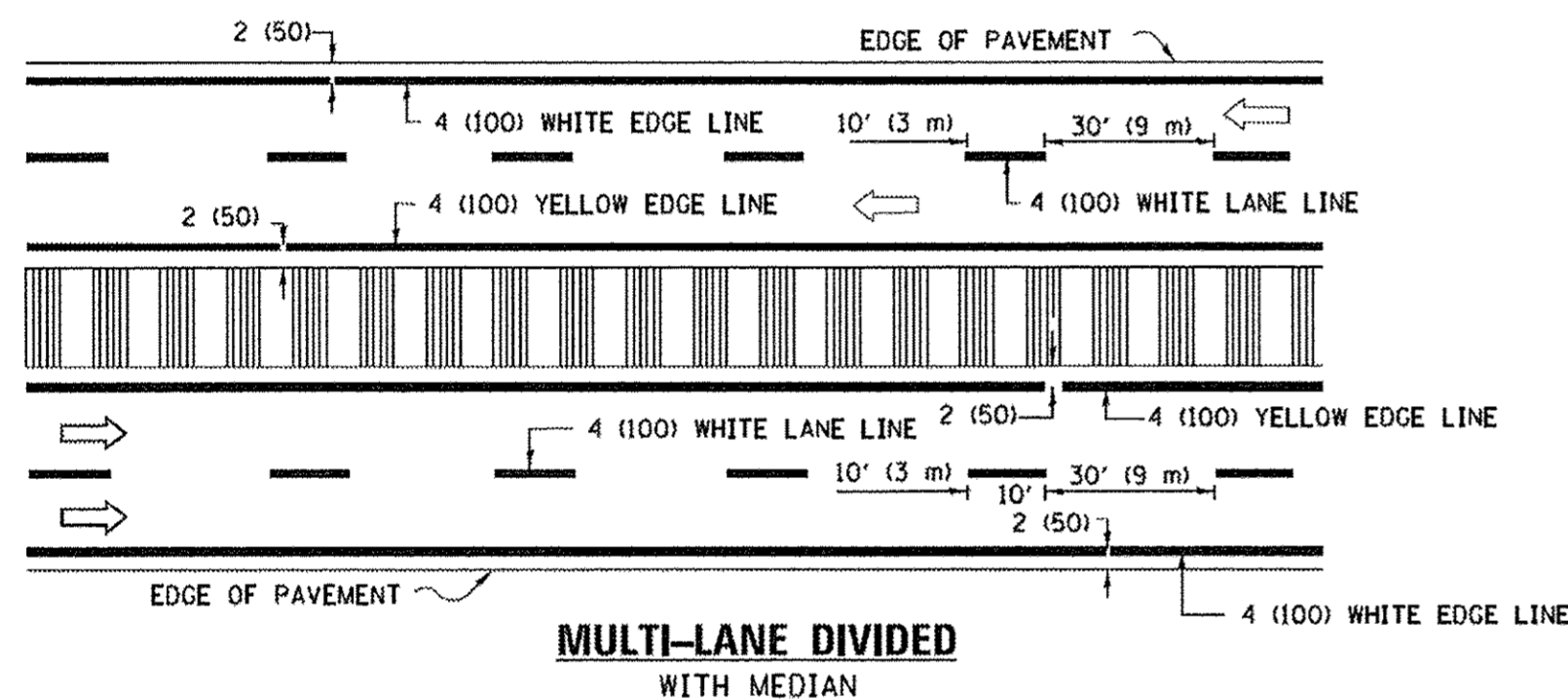
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
4057	14-00013-00-RS	McHENRY	28	26	
TC-10			CONTRACT NO. 61039		
ILLINOIS/FED. AID PROJECT M-4003(813)					



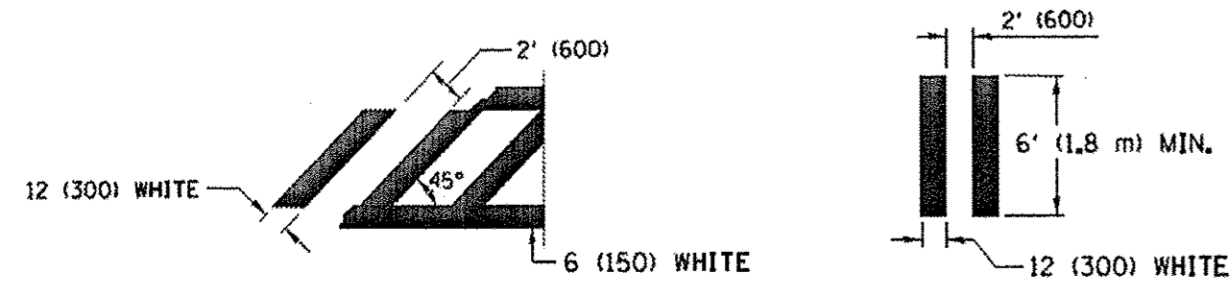
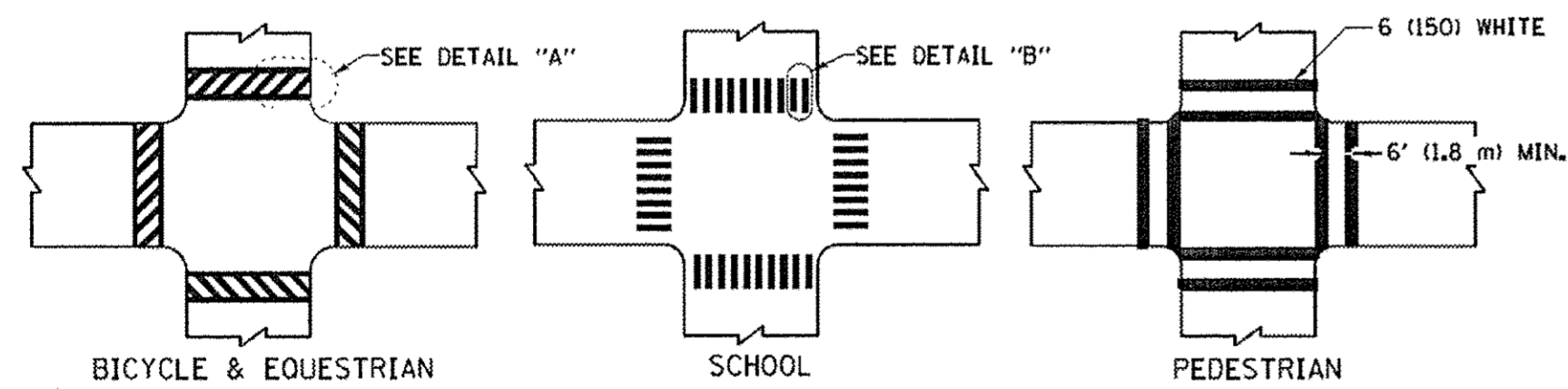
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

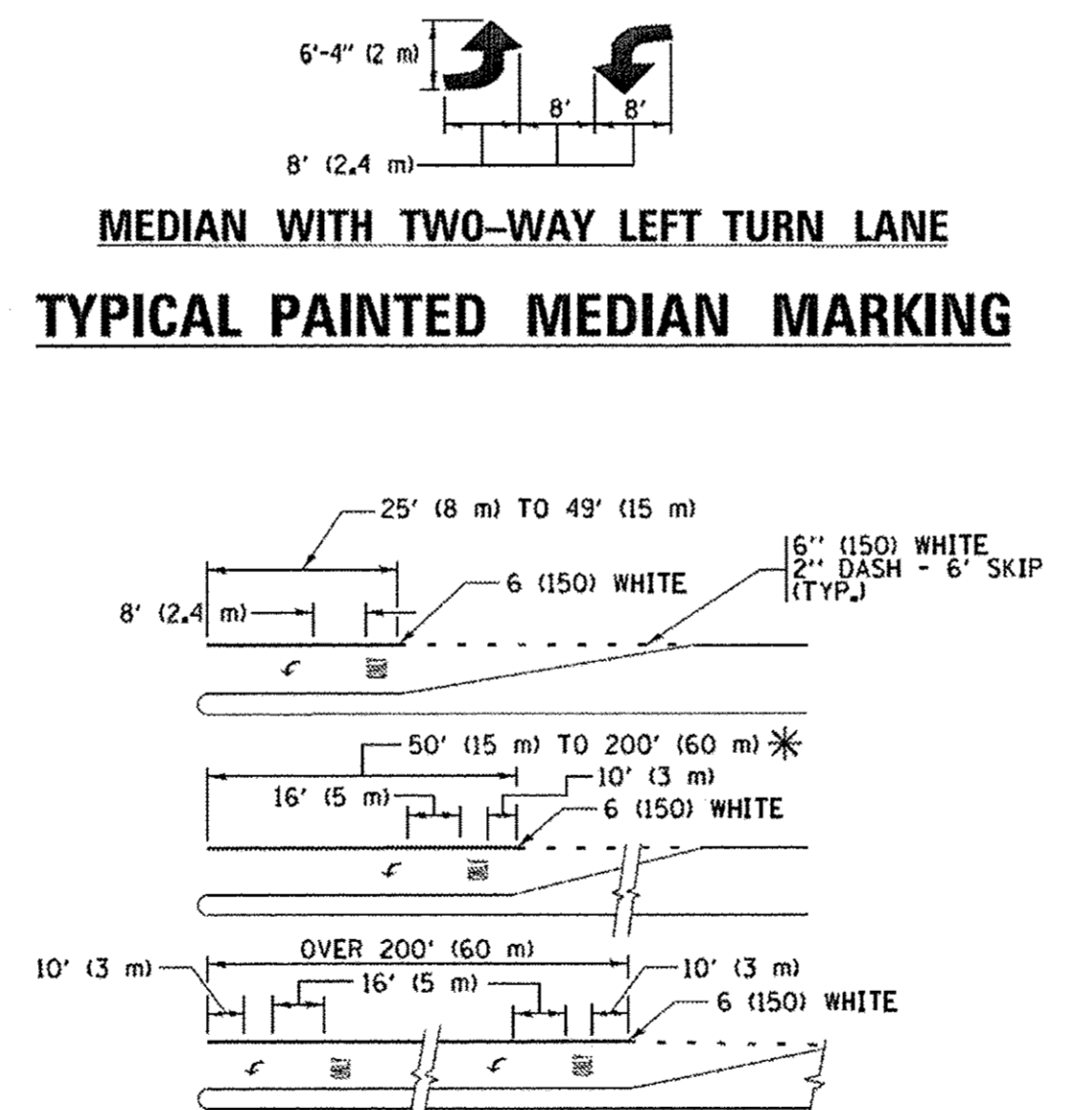
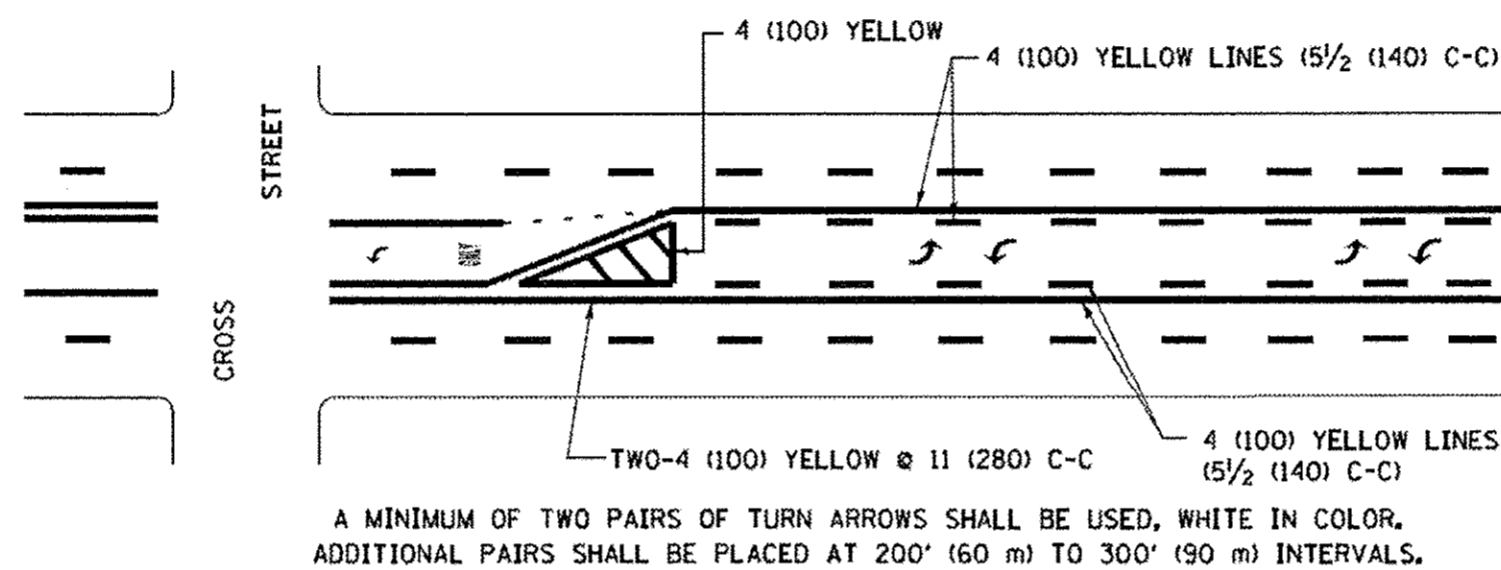
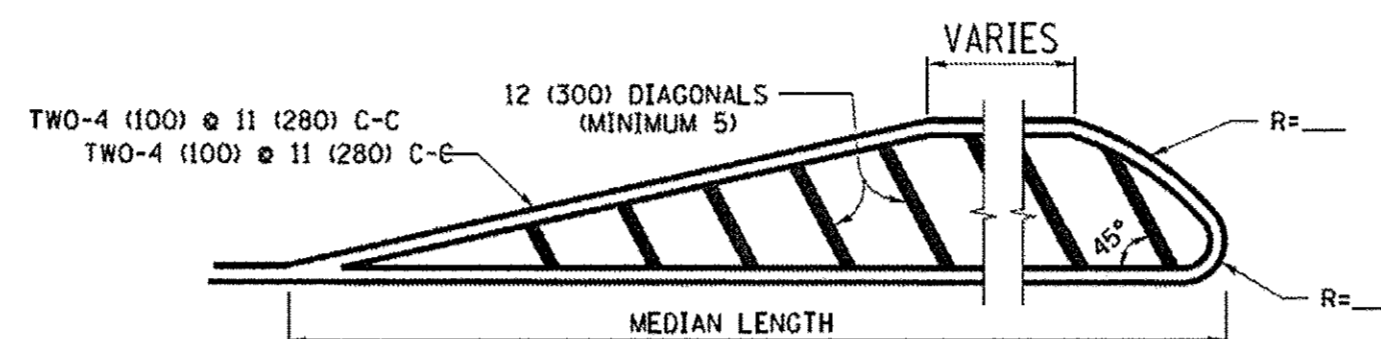
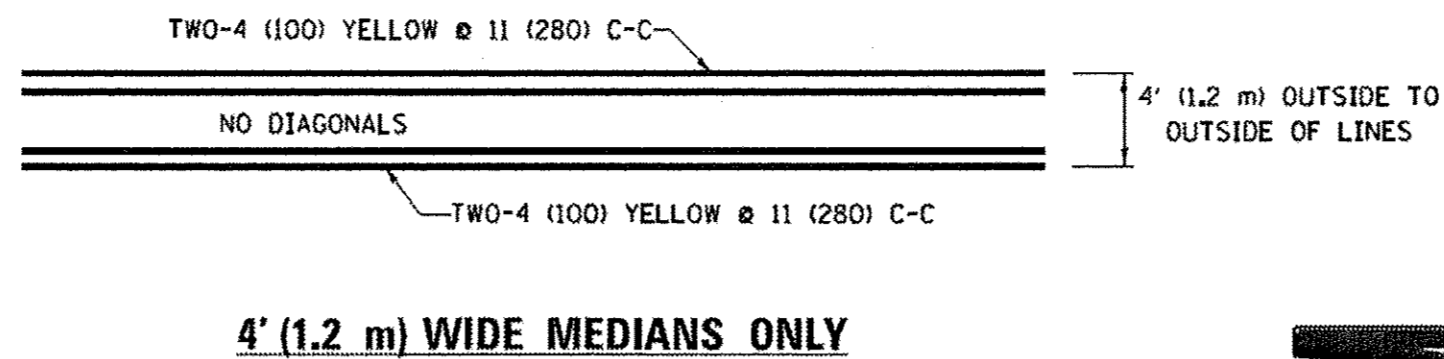


TYPICAL LANE AND EDGE LINE MARKING



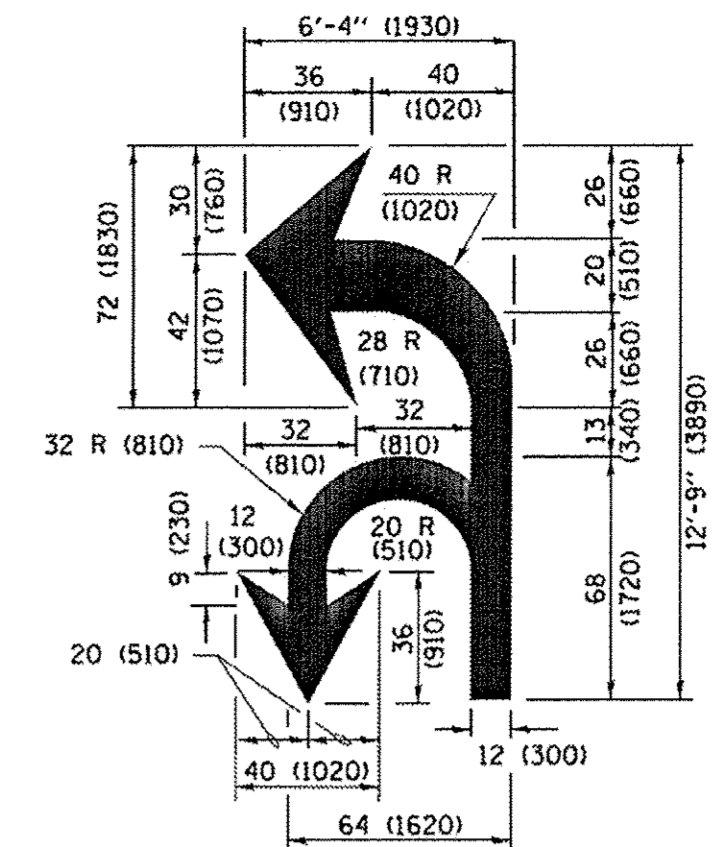
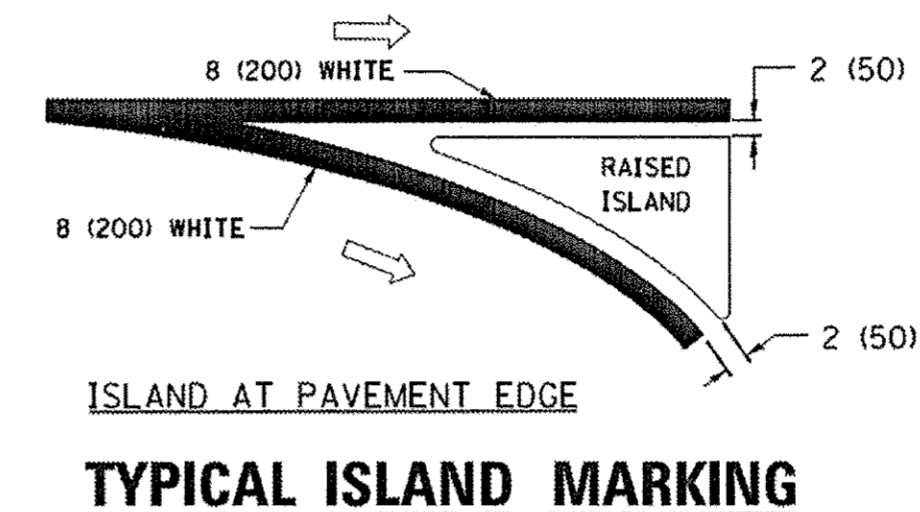
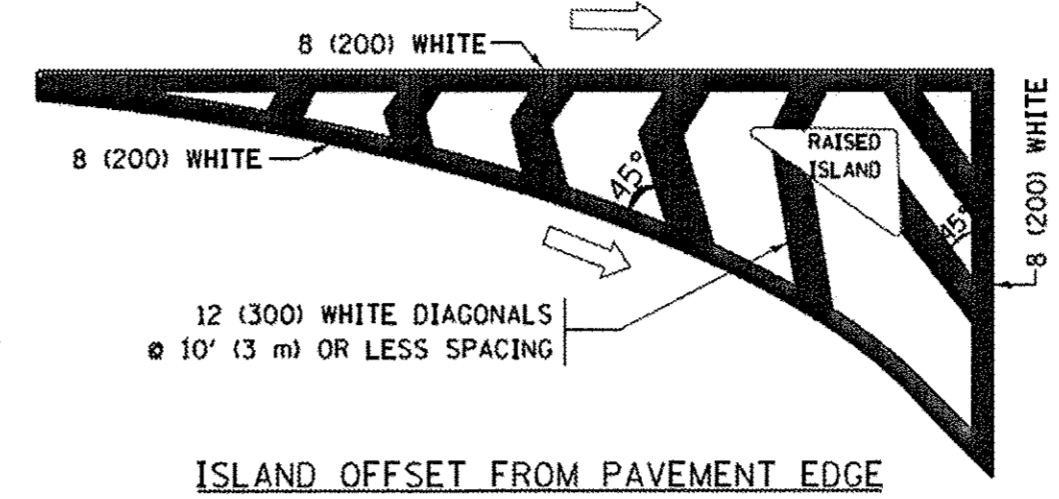
TYPICAL CROSSWALK MARKING

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

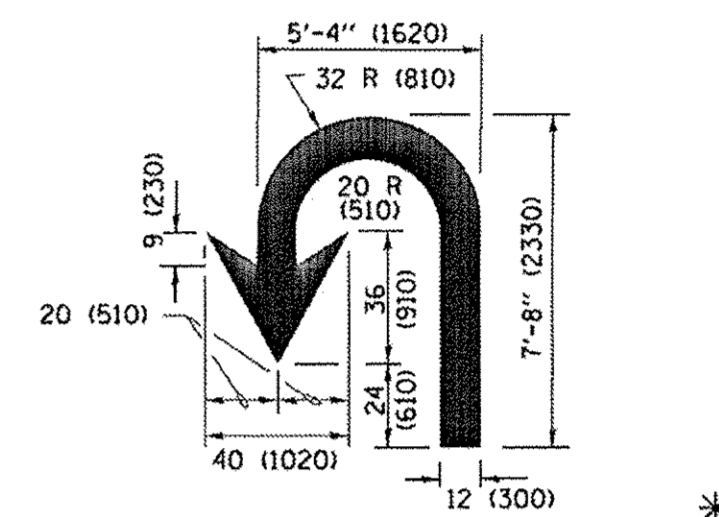


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

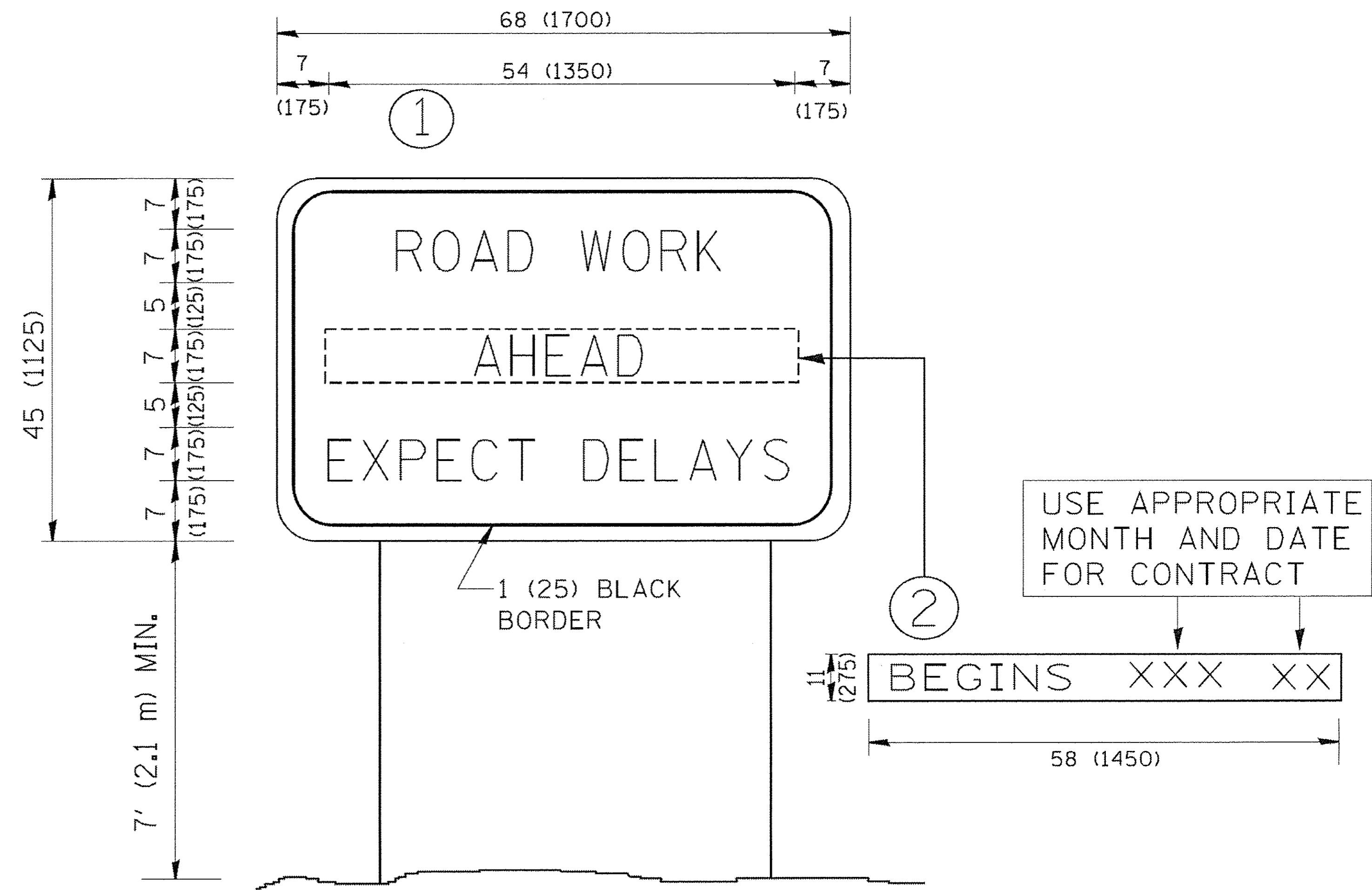
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...	REVISED - C. JUCIUS 07-01-13
...	...	CHECKED -	REVISED - C. JUCIUS 12-21-15
...	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		4057	14-00013-00-RS	McHENRY	28	27
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 61D39
						ILLINOIS FED. AID PROJECT M-4003(813)

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NOTES:

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

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

FILE NAME = W:\distata\22x34\to22.dgn	USER NAME = gegliendbt	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97 REVISED - T. RAMMACHER 02-02-99 REVISED - C. JUCIUS 01-31-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. 4057	SECTION 14-00013-00-RS	COUNTY McHENRY	TOTAL SHEETS 28	SHEET NO. 28
				SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	TC-22 CONTRACT NO. 61039 <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(813)</small>					