

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID PROJECT

**FAU ROUTE 1643 (AIRPORT ROAD)
RANDALL ROAD TO ILLINOIS ROUTE 31
RECONSTRUCTION
SECTION 16-00056-00-PV
PROJECT M-4003(672)
NORTH AURORA
C-91-205-16
KANE COUNTY**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 61D30		

**SEE SHEET 2 FOR
INDEX OF SHEETS**



LOCATION OF SECTION INDICATED THIS: — ■ —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APPROVED 10-17-2016
Dale Berman
VILLAGE OF NORTH AURORA

PASSED 10-30-2016
COHOUT
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

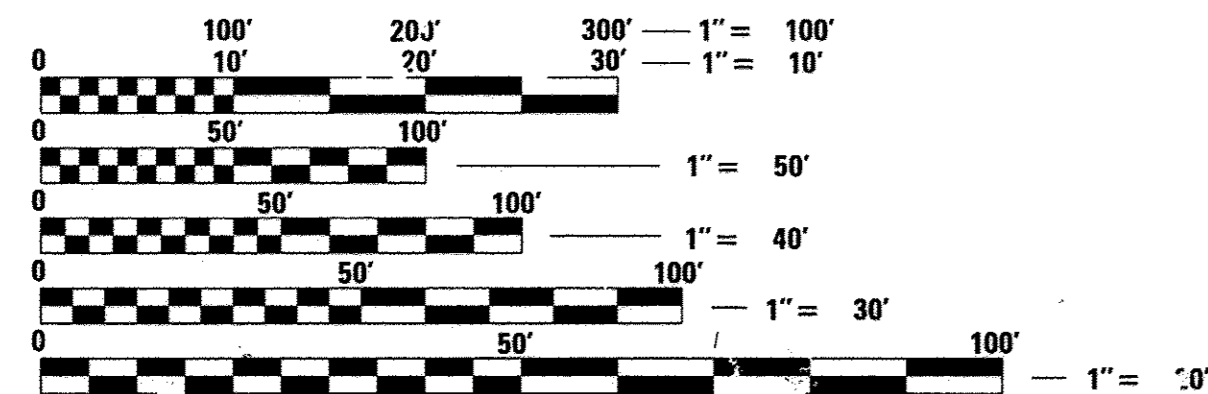
RELEASING FOR BID BASED ON LIMITED REVIEW November 3, 2016
John Fordman
REGION ONE ENGINEER

James J. Bibby
JAMES J. BIBBY
REGISTERED PROFESSIONAL ENGINEER
NO. 062-039785 EXPIRES 11-30-17

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

STREET	DESIGN DESIGNATION	POSTED SPEED	ADT
AIRPORT ROAD	MAJOR COLLECTOR	35 MPH	2650
ALDER DRIVE	MAJOR COLLECTOR	35 MPH	2650
ICE CREAM DRIVE	MAJOR COLLECTOR	35 MPH	2650

**REMPE-SHARPE
CONSULTING ENGINEERS**
IL. P.D.F. LICENSE NO. 184-000895
324 WEST STATE STREET - GENEVA, ILLINOIS 60134
Telephone (630) 232-0827 - Fax (630) 232-1629

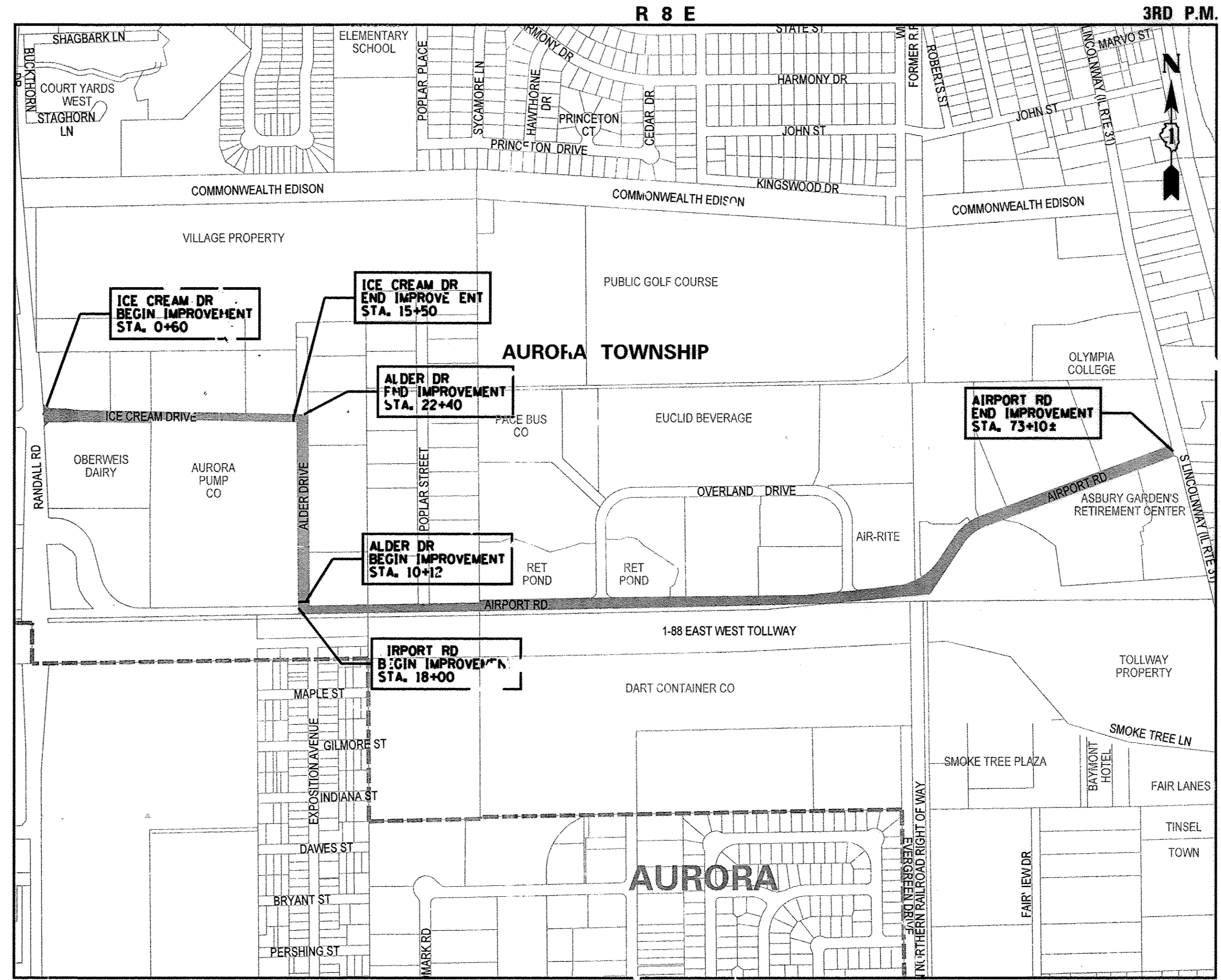


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER - JAMES J. BIBBY, P.E.
PROJECT ENGINEER - DANIEL A. WATSON, P.E.

CONTRACT NO. 61D30



AURORA TOWNSHIP
PROJECT LOCATION (TYP)

LOCATION MAP
NO SCALE

GROSS LENGTH OF IMPROVEMENT: 8,448 FEET (1.6 MILES)
NET LENGTH OF IMPROVEMENT: 8,448 FEET (1.6 MILES)

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

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STATEWIDE HIGHWAY STANDARDS

<u>IDOT NO.</u>	<u>STANDARD DRAWINGS</u>
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602016-02	CATCH BASIN, TYPE D
602306-03	INLET, TYPE B
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604051-04	FRAME AND GRATE TYPE 11
604061-03	FRAME AND GRATE TYPE 12
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF RD OPERATIONS - 2L, 2W MORE THAN 15 FEET AWAY
701006-05	OFF RD OPERATIONS - 2L, 2W 15 FEET TO 24 FEET FROM PAVEMENT EDGE
701011-04	OFF RD MOVING OPERATIONS - 2L, 2W, DAY ONLY
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
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

<u>STANDARD</u>	<u>TITLE</u>
BD-8	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-24	CURB AND GUTTER AND REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAILS

GENERAL NOTES

- SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:**
ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2017; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE DEPARTMENT.
- PROTECTION OF PUBLIC/PRIVATE PROPERTY:**
THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN; SHRUBS, FENCES, DRAIN LINES, POWER LINES, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO COST.
- EXISTING STREET CLEANLINESS:**
THE CONTRACTOR SHALL KEEP EXISTING AND ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS ON A DAILY BASIS.
- CONSTRUCTION LIMITS:**
THE CONTRACTOR SHALL CONFINE HIS OPERATIONS WITHIN THE DEDICATED ROADWAY RIGHT-OF-WAY OR EASEMENTS OBTAINED BY THE VILLAGE OF NORTH AURORA. ANY DAMAGE OUTSIDE OF RIGHT-OF-WAY OR EASEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- SOIL REPORT:**
GEOTECHNICAL SOILS REPORTS AND OTHER ADVANCED PLANNING DOCUMENTS WERE PREPARED FOR THIS PROJECT AND ARE AVAILABLE FOR BIDDERS' REVIEW BY CONTACTING MIKE GLOCK, VILLAGE OF NORTH AURORA, AT PHONE NUMBER (630) 897-8228.

NOTE:
THE CONTRACTOR SHALL CONTACT
THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR
AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE
OF BEGINNING WORK.

FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, APPLICABLE HIGHWAY STANDARDS, GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\dgn\NA\NA536A\rrpor\trd.STP\sheet\02.N	536Index&Notes.dgn	CHECKED - JB	REVISED -			1649	16-00056-00-PV	KANE	61	2	
PLOT SCALE = 1.00 ft / in.		DRAWN - LV	REVISED -			CONTRACT NO. 61D30					
PLOT DATE = 10/26/2016		CHECKED - JB	REVISED -			SCALE: NONE	SHEET NO. 2 OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 0004
20101000	TEMPORARY FENCE	FOOT	30	30
20101200	TREE ROOT PRUNNING	EACH	10	10
20101300	TREE PRUNNING (1 TO 10 INCH DIA)	EACH	10	10
20200100	EARTH EXCAVATION	CU YD	2400	2400
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	350	350
20700110	POROUS GRANULAR EMBANKMENT	TON	630	630
20800150	TRENCH BACKFILL	CU YD	160	160
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4200	4200
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	4600	4600
21400100	GRADING AND SHAPING DITCHES	FOOT	250	250
25000210	SEEDING, CLASS 2A	ACRE	0.95	0.95
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	86	86
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	86	86
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	86	86
25100630	EROSION CONTROL BLANKET	SQ YD	7260	7260
28000400	PERIMETER EROSION BARRIER	FOOT	250	250
28000500	INLET AND PIPE PROTECTION	EACH	45	45
28100101	STONE RIP-RAP, CLASS A1 (SPECIAL)	SQ YD	30	30
35101600	AGGREGATE BASE COURSE, TYPE B, 4"	SQ YD	2100	2100
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ YD	3400	3400
35800100	PREPARATION OF BASE	SQ YD	26000	26000
35800200	AGGREGATE BASE REPAIR	TON	400	400
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	304	304
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	13500	13500
40603335	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3500	3500
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	15000	15000
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	53000	40000
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7"	SQ YD	307	307
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	7700	7700
42400800	DETECTABLE WARNINGS	SQ FT	100	100
44000157	HOT MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2100	2100
44000186	HOT-MIX ASPHALT SURFACE REMOVAL, 9"	SQ YD	8400	8400

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 0004
44000194	HOT-MIX ASPHALT SURFACE REMOVAL, 11-1/4"	SQ YD	18200	18200
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2021	2021
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3100	3100
44000600	SIDEWALK REMOVAL	SQ FT	750	750
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4000	4000
48101600	AGGREGATE SHOULDERS, TYPE B, 8"	SQ YD	2200	2200
50105220	PIPE CULVERT REMOVAL	FOOT	130	130
54215547	METAL END SECTION, 12"	EACH	2	2
54200217	PIPE CULVERTS, CLASS D, TYPE 1, 12"	FOOT	50	50
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	EACH	1	1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	EACH	1	1
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	940	940
550A0070	STORM SEWER, CLASS A, TYPE 1, 15"	FOOT	51	51
550B0040	STORM SEWER, CLASS B, TYPE 1, 10"	FOOT	30	30
550B0050	STORM SEWER, CLASS B, TYPE 1, 12"	FOOT	12	12
55100500	STORM SEWER REMOVAL, 12"	FOOT	112	112
55100700	STORM SEWER REMOVAL, 15"	FOOT	67	67
60201205	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 12 FRAME & GRATE	EACH	2	2
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME & OPEN LID	EACH	4	4
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	5	5
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME & GRATE	EACH	7	7
60208105	CATCH BASINS, TYPE C, TYPE 12 FRAME & GRATE	EACH	12	12
60211100	CATCH BASINS TYPE D, 3' DIAMETER, TYPE 8 GRATE	EACH	1	1
60211500	CATCH BASIN, TYPE D, 3' DIAMETER, TYPE 12 FRAME AND GRATE	EACH	1	1
60212700	CATCH BASINS, TYPE D, 4' DIAMETER, TYPE 12 FRAME AND GRATE	EACH	1	1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1
60240310	INLETS, TYPE B, TYPE 11 FRAME & GRATE	EACH	6	6
60240315	INLETS, TYPE B, TYPE 12 FRAME & GRATE	EACH	1	1
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME AND OPEN LID	EACH	1	1
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME AND OPEN LID	EACH	3	3
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME AND CLOSED LID	EACH	2	2

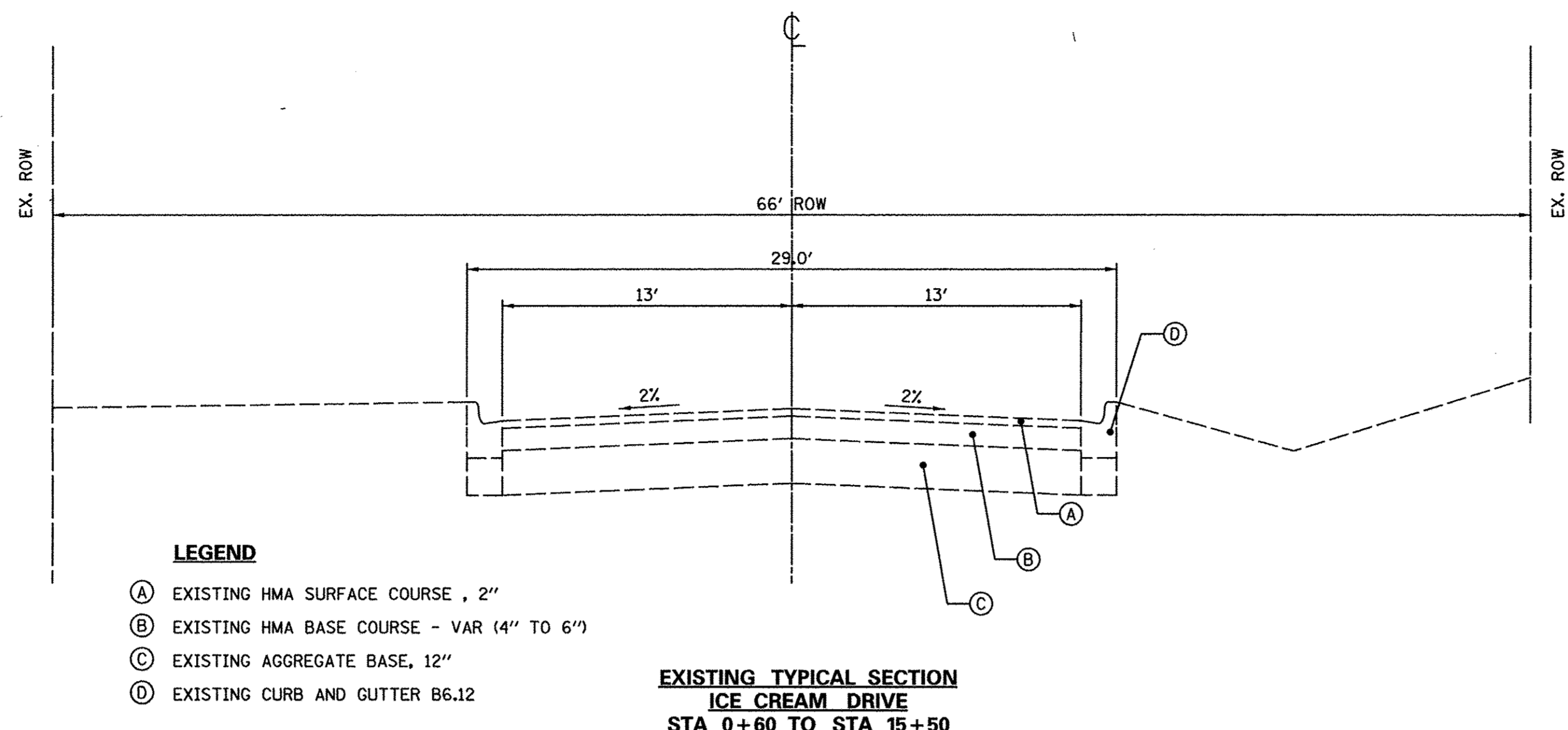
* SPECIALTY ITEMS

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 0004
60260100	INLETS TO BE ADJUSTED	EACH	11	11
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME OPEN LID	EACH	1	1
60261300	INLETS TO BE ADJUSTED WITH NEW TY 11 FRAME AND GRATE	EACH	1	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1
60404800	FRAMES AND GRATES, TYPE 11	EACH	1	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2
60500060	REMOVING INLETS	EACH	10	10
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3900	3900
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	3250	3250
67100100	MOBILIZATION	LSUM	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8300	8300
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3300	3300
* 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	218.4	218.4
* 78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	20700	20700
* 78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	400	400
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	475	475
* 78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	120	120
* 88800600	DETECTOR LOOP REPLACEMENT	FOOT	300	300
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	4	4
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	5	5
X0322924	RETAINING WALL REMOVAL	SQ FT	60	60
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	500	500
X4401198	HMA SURFACE REMOVAL VARIABLE DEPTH	SQ YD	2500	2500
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	4	4
X6030310	FRAME AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3
X7010216	TRAFFIC CONTROL & PROTECTION (SPECIAL)	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	50	50
Δ Z0076600	TRAINEES	HOUR	500	500
Δ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

Δ 0042

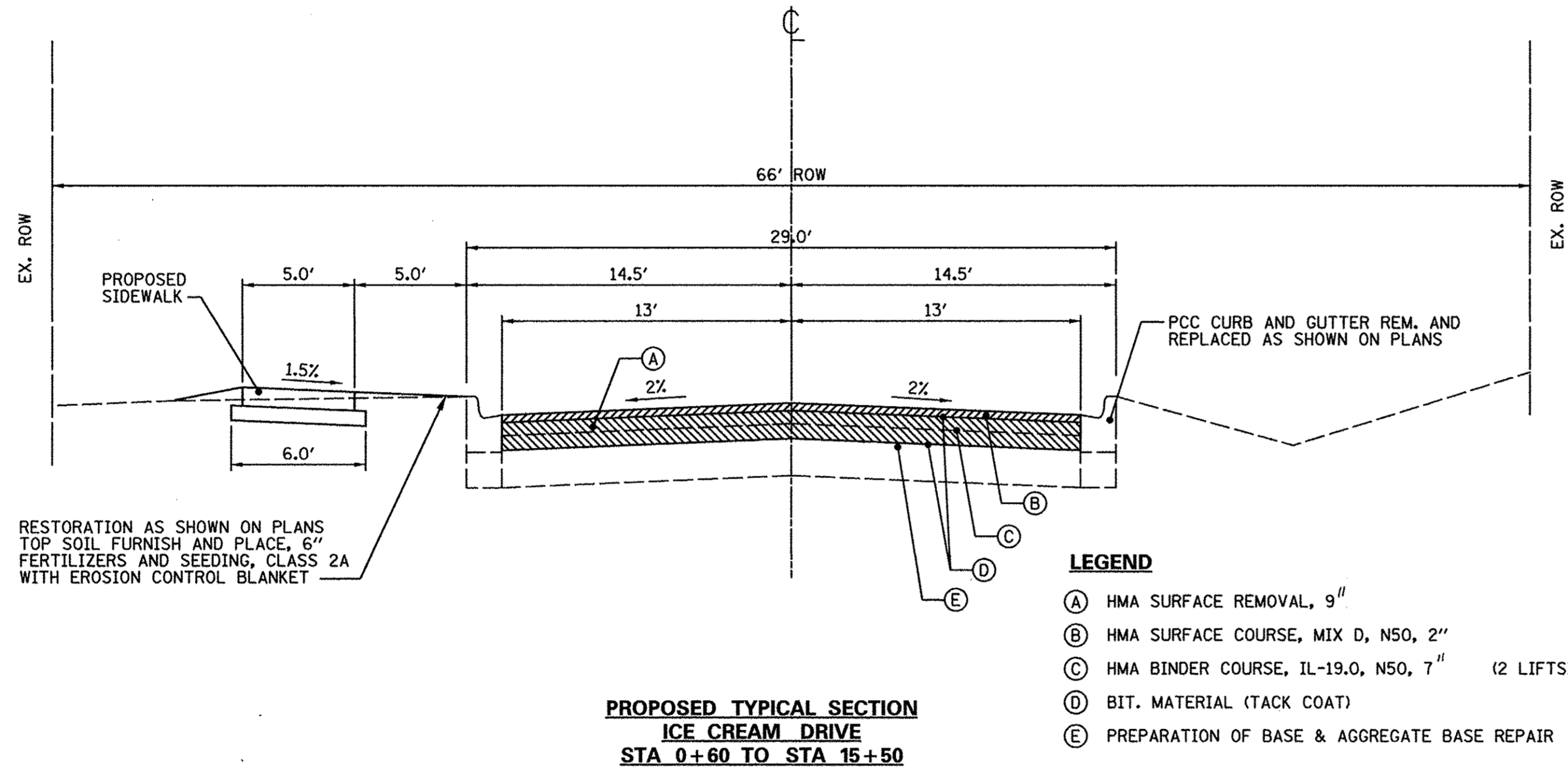
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N:\dgn\NA\NA536A\report\rd.STP\sheet\03.N536Summary of Quantities.dgn		CHECKED - JB	REVISED -	DEPARTMENT OF TRANSPORTATION						16-00056-00-PV	KANE	61	3
PLOT SCALE = 1.00 ft / in.		DRAWN - LV	REVISED -							CONTRACT NO. 61D30			
PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -							FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

Summary of Quantities.dgn 10/17/2016 4:05:09 PM



- LEGEND**
- (A) EXISTING HMA SURFACE COURSE, 2"
 - (B) EXISTING HMA BASE COURSE - VAR (4" TO 6")
 - (C) EXISTING AGGREGATE BASE, 12"
 - (D) EXISTING CURB AND GUTTER B6.12

**EXISTING TYPICAL SECTION
ICE CREAM DRIVE
STA 0+60 TO STA 15+50**

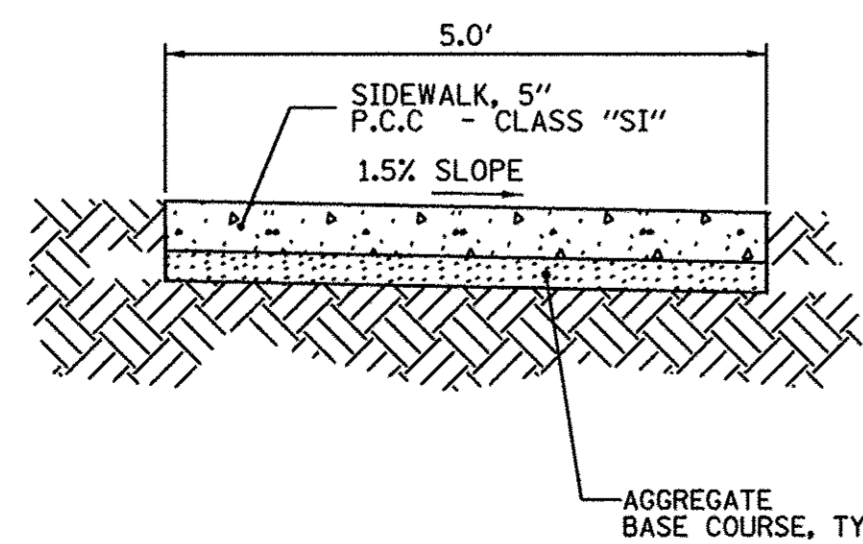


- LEGEND**
- (A) HMA SURFACE REMOVAL, 9"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 7" (2 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)
 - (E) PREPARATION OF BASE & AGGREGATE BASE REPAIR

**PROPOSED TYPICAL SECTION
ICE CREAM DRIVE
STA 0+60 TO STA 15+50**

RESTORATION AS SHOWN ON PLANS
TOP SOIL FURNISH AND PLACE, 6"
FERTILIZERS AND SEEDING, CLASS 2A
WITH EROSION CONTROL BLANKET

PCC CURB AND GUTTER REM. AND
REPLACED AS SHOWN ON PLANS



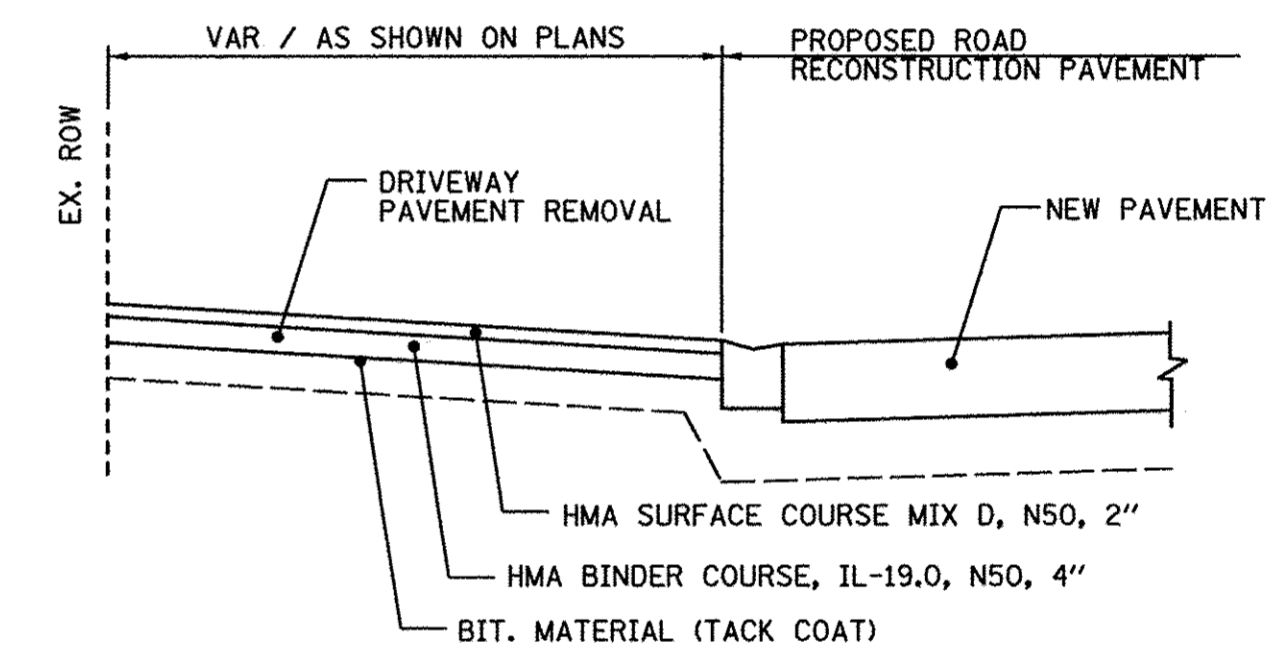
SIDEWALK DETAIL

- NOTES:**
1. THE ACTUAL WIDTH OF THE SIDEWALK IS TO BE PLUS 0" TO 1/2" OF THE WIDTH SPECIFIED.
 2. A 1/2" PREFORMED EXPANSION JOINT, CONFORMING TO THE EXACT CROSS-SECTION OF THE SIDEWALK, SHALL BE PLACED AT 50 FOOT INTERVALS AND AT THE END OF EACH POUR.
 3. CONTRACTION JOINTS SHALL BE PLACED AT 5 FOOT INTERVALS.
 4. THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. FOR P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR AND MATERIAL REQUIRED INCLUDING THE EXPANSION AND CONTRACTION JOINTS AS SPECIFIED, AND ANY MINOR TOUCH-UP EXCAVATION AND BACKFILLING NECESSARY TO CONSTRUCT THE SIDEWALK.
 5. SEE STATE DETAILS IN CONTRACT DOCUMENTS FOR CONSTRUCTION OF RED PATTERNED HANDICAPPED RAMPS.

HOT MIX ASPHALT MIXTURE REQUIREMENT

ITEM	AIR VOIDS @ Ndes
PAVEMENT RECONSTRUCTION	
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, 7" (2 LIFTS)	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 9 1/2" (3 LIFTS)	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 10 1/2" (3 LIFTS)	4% @ 50 GYR

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112#/SY-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 DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.
FOR HMA FULL DEPTH "AC TYPE": SEE SPECIAL PROVISIONS.



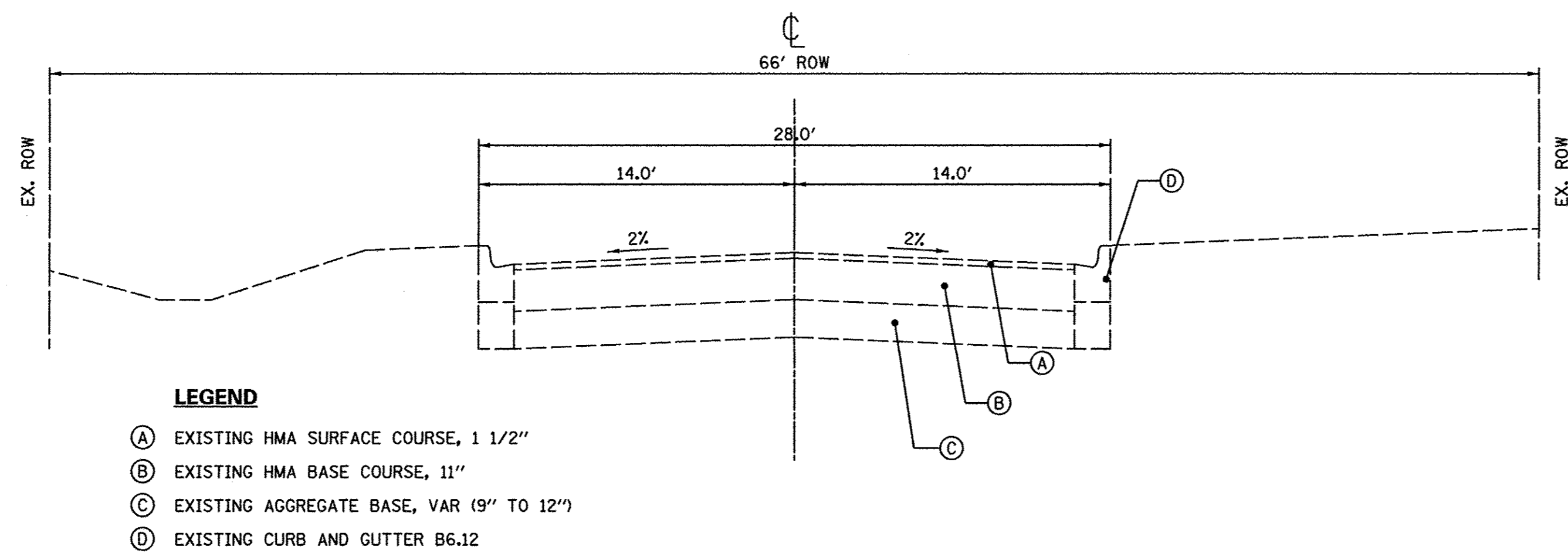
**ICE CREAM & ALDER DRIVE
TYPICAL SECTION THRU HMA DRIVEWAY**

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	PLOT SCALE = 20.00 Ft / in.	DRAWN - LV	REVISED -
	PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

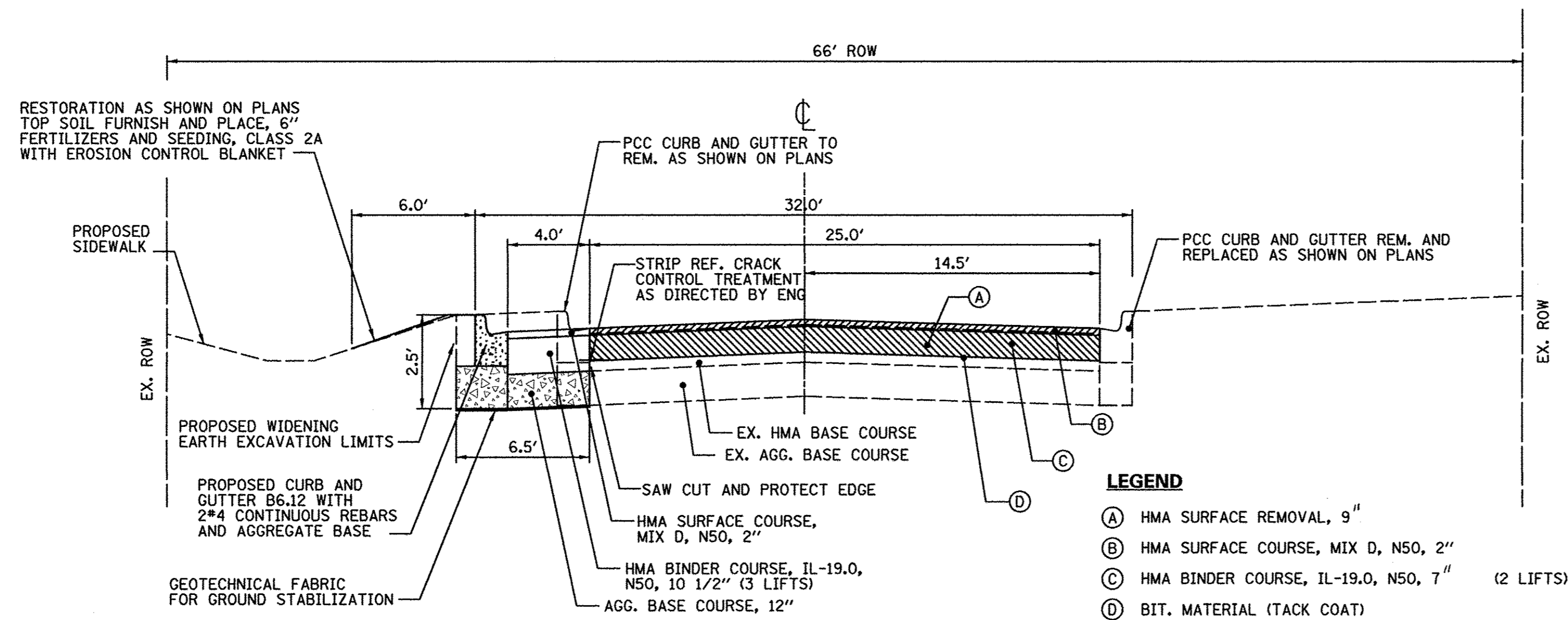
ICE CREAM DRIVE TYPICAL SECTIONS	
SCALE:	SHEET NO. 4 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	4
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 61D30				



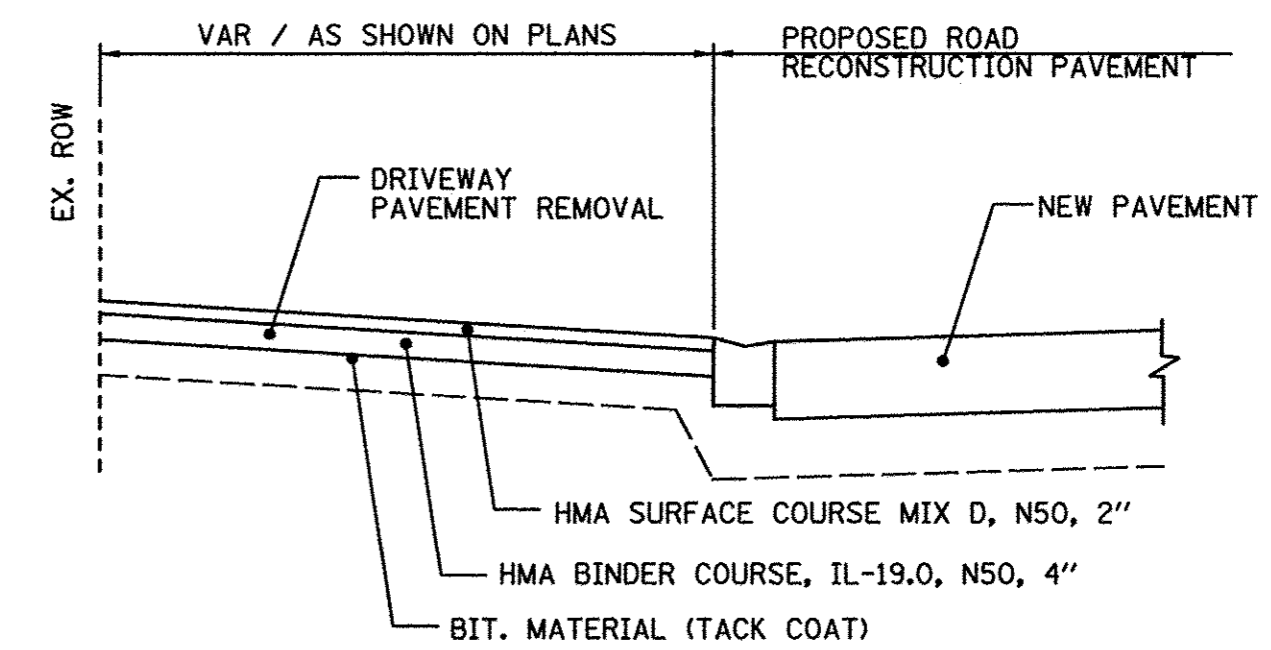
- LEGEND**
- (A) EXISTING HMA SURFACE COURSE, 1 1/2"
 - (B) EXISTING HMA BASE COURSE, 11"
 - (C) EXISTING AGGREGATE BASE, VAR (9" TO 12")
 - (D) EXISTING CURB AND GUTTER B6.12

**EXISTING TYPICAL SECTION
ALDER DRIVE
STA 10+15 TO STA 22+40**



- LEGEND**
- (A) HMA SURFACE REMOVAL, 9"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 7" (2 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)

**PROPOSED TYPICAL SECTION
ALDER DRIVE
STA 10+15 TO STA 22+40**



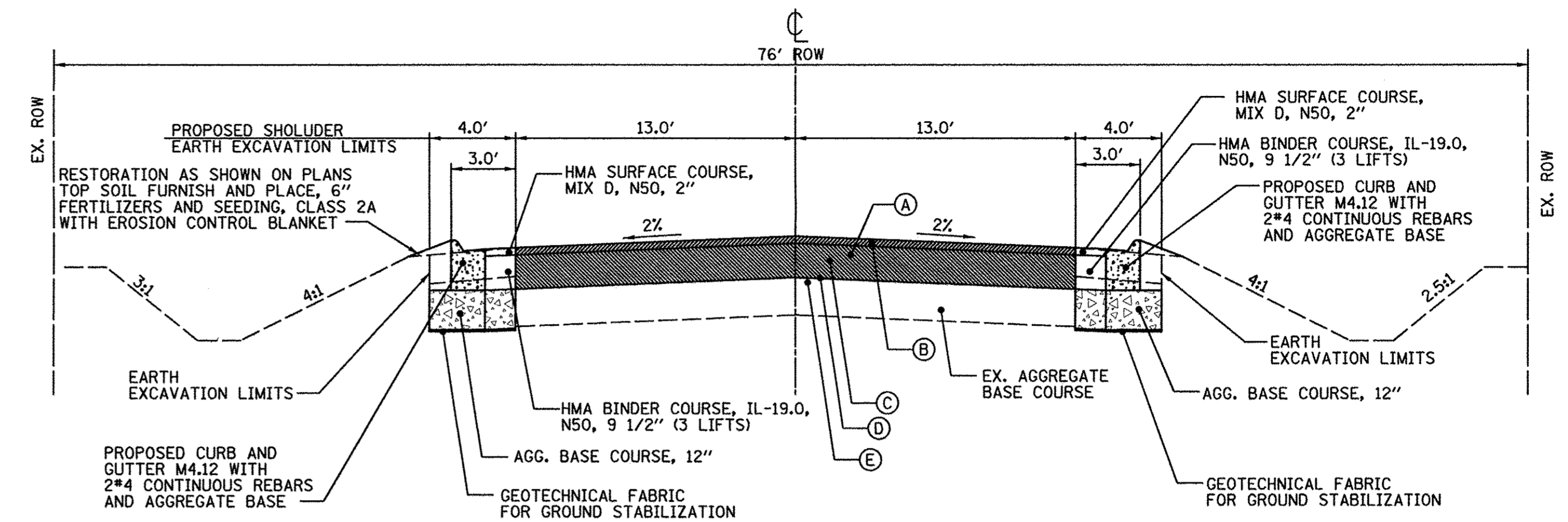
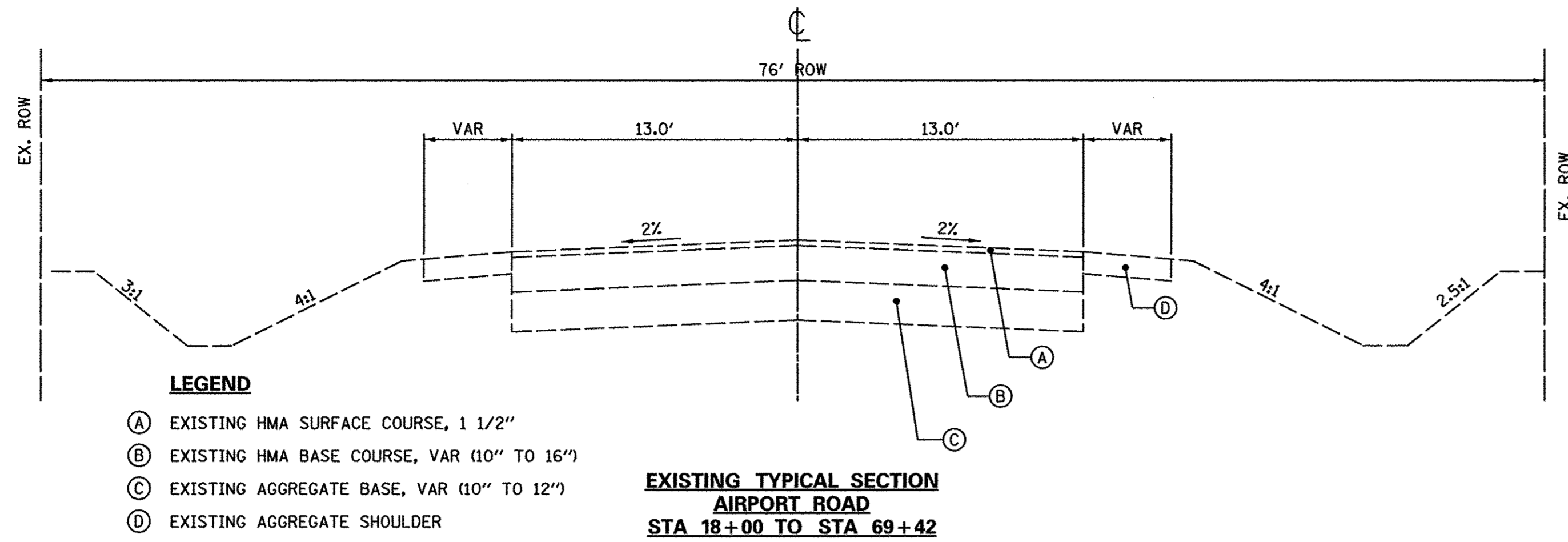
**ICE CREAM & ALDER DRIVE
TYPICAL SECTION THRU HMA DRIVEWAY**

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PLOT SCALE = 20.00 ft / in.		DRAWN - LV	REVISED -
PLOT DATE = 10/26/2016		CHECKED - JB	REVISED -

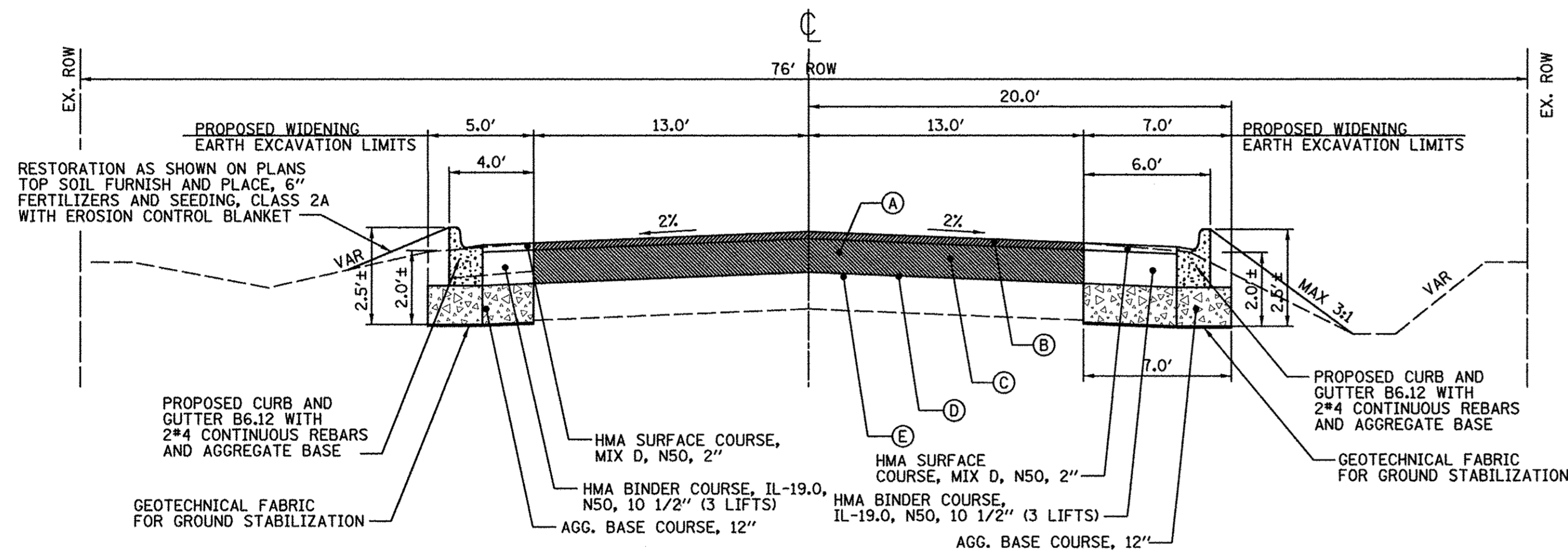
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALDER DRIVE TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

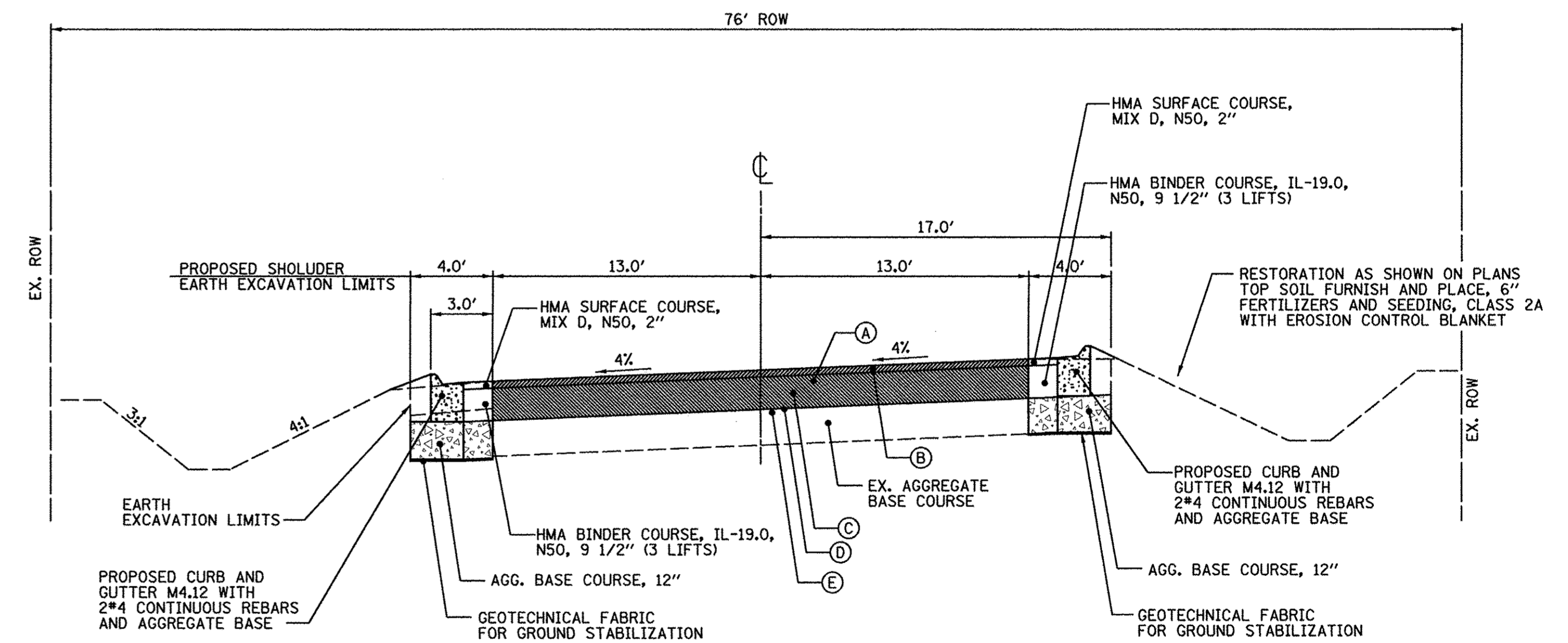
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	5
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



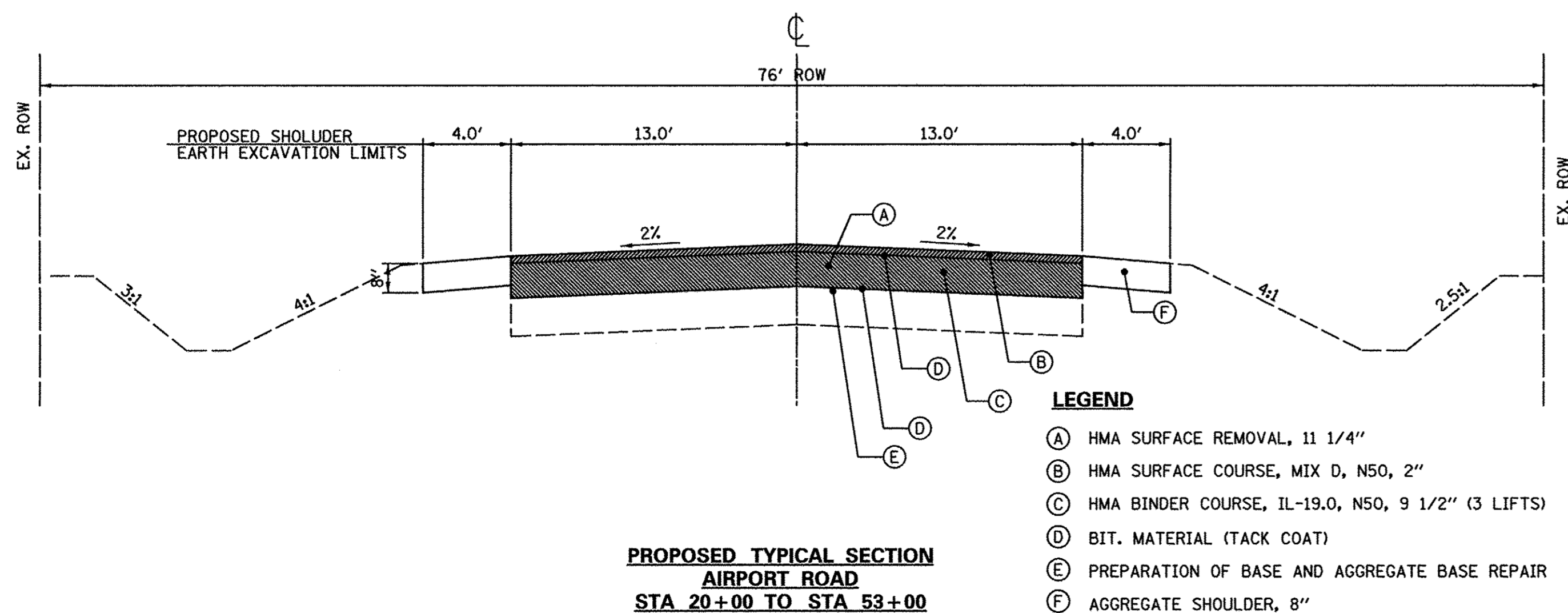
- LEGEND**
- (A) HMA SURFACE REMOVAL, 11 1/4"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 9 1/2" (3 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)
 - (E) PREPARATION OF BASE AND AGGREGATE BASE REPAIR



- LEGEND**
- (A) HMA SURFACE REMOVAL, 11 1/4"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 9 1/2" (3 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)
 - (E) PREPARATION OF BASE & AGGREGATE BASE REPAIR



- LEGEND**
- (A) HMA SURFACE REMOVAL, 11 1/4"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 9 1/2" (3 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)
 - (E) PREPARATION OF BASE & AGGREGATE BASE REPAIR



- LEGEND**
- (A) HMA SURFACE REMOVAL, 11 1/4"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) HMA BINDER COURSE, IL-19.0, N50, 9 1/2" (3 LIFTS)
 - (D) BIT. MATERIAL (TACK COAT)
 - (E) PREPARATION OF BASE AND AGGREGATE BASE REPAIR
 - (F) AGGREGATE SHOULDER, 8"

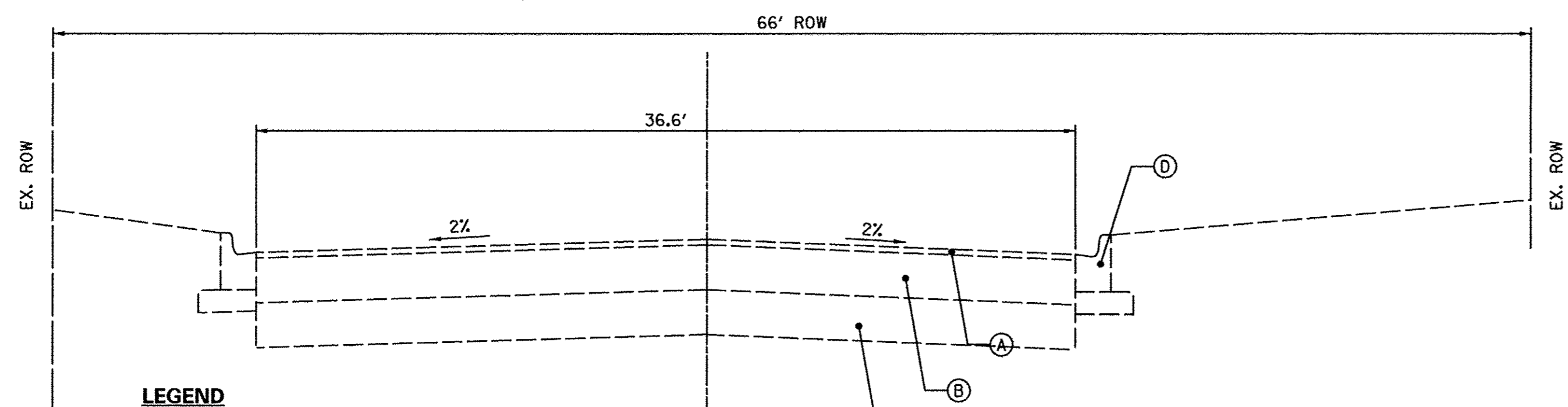
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	PLOT DATE = 10/26/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AIRPORT ROAD
TYPICAL SECTIONS**

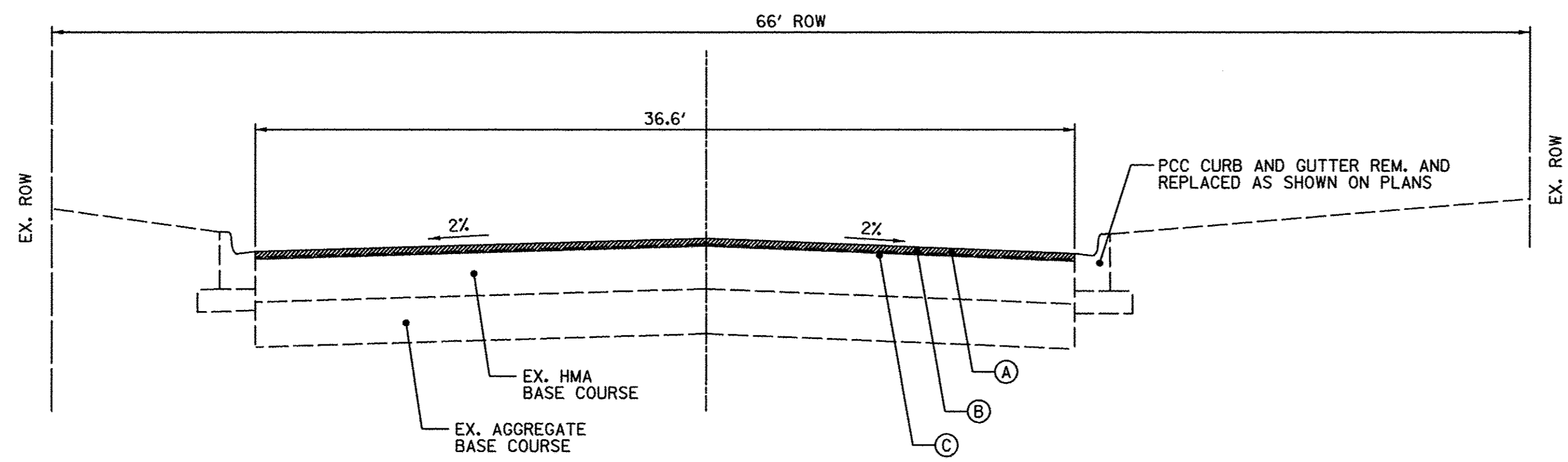
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	6
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



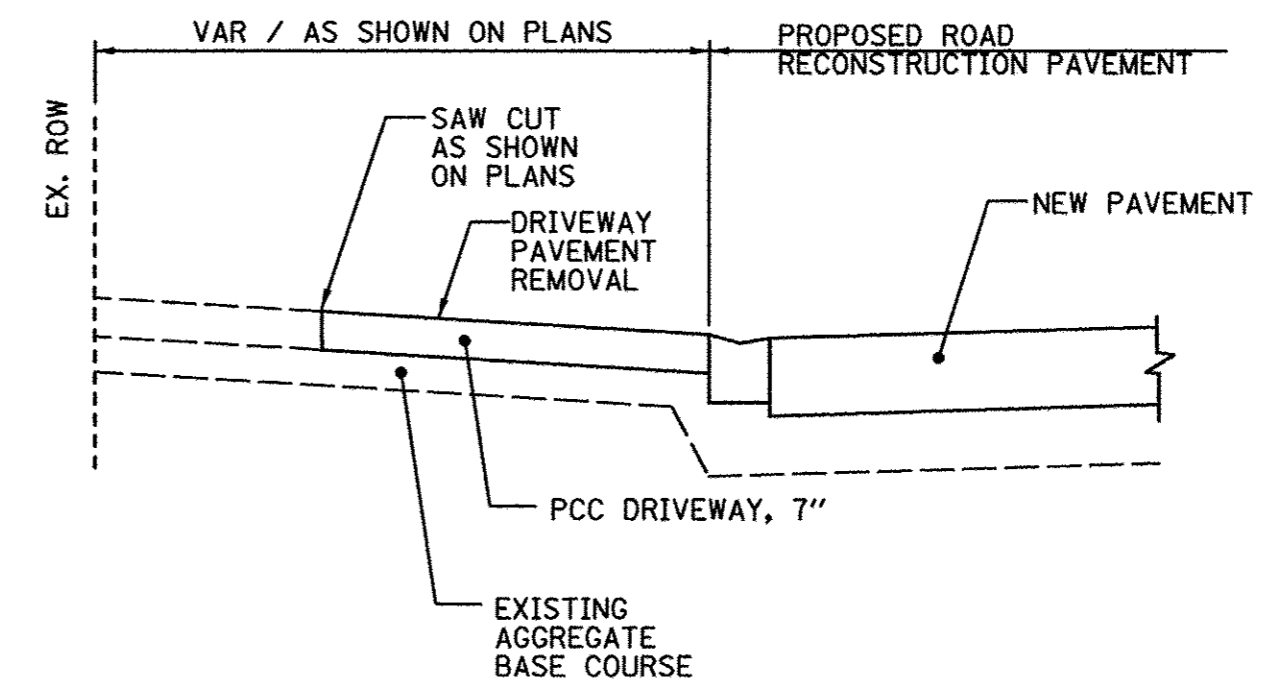
- LEGEND**
- (A) EXISTING HMA SURFACE COURSE, 1 1/2"
 - (B) EXISTING HMA BASE COURSE - VAR (9 1/2" TO 14 1/2")
 - (C) EXISTING AGGREGATE BASE, VAR (10" TO 12")
 - (D) EXISTING CURB AND GUTTER B6.12

**EXISTING TYPICAL SECTION
AIRPORT ROAD
STA 69+42 TO STA 73+10**

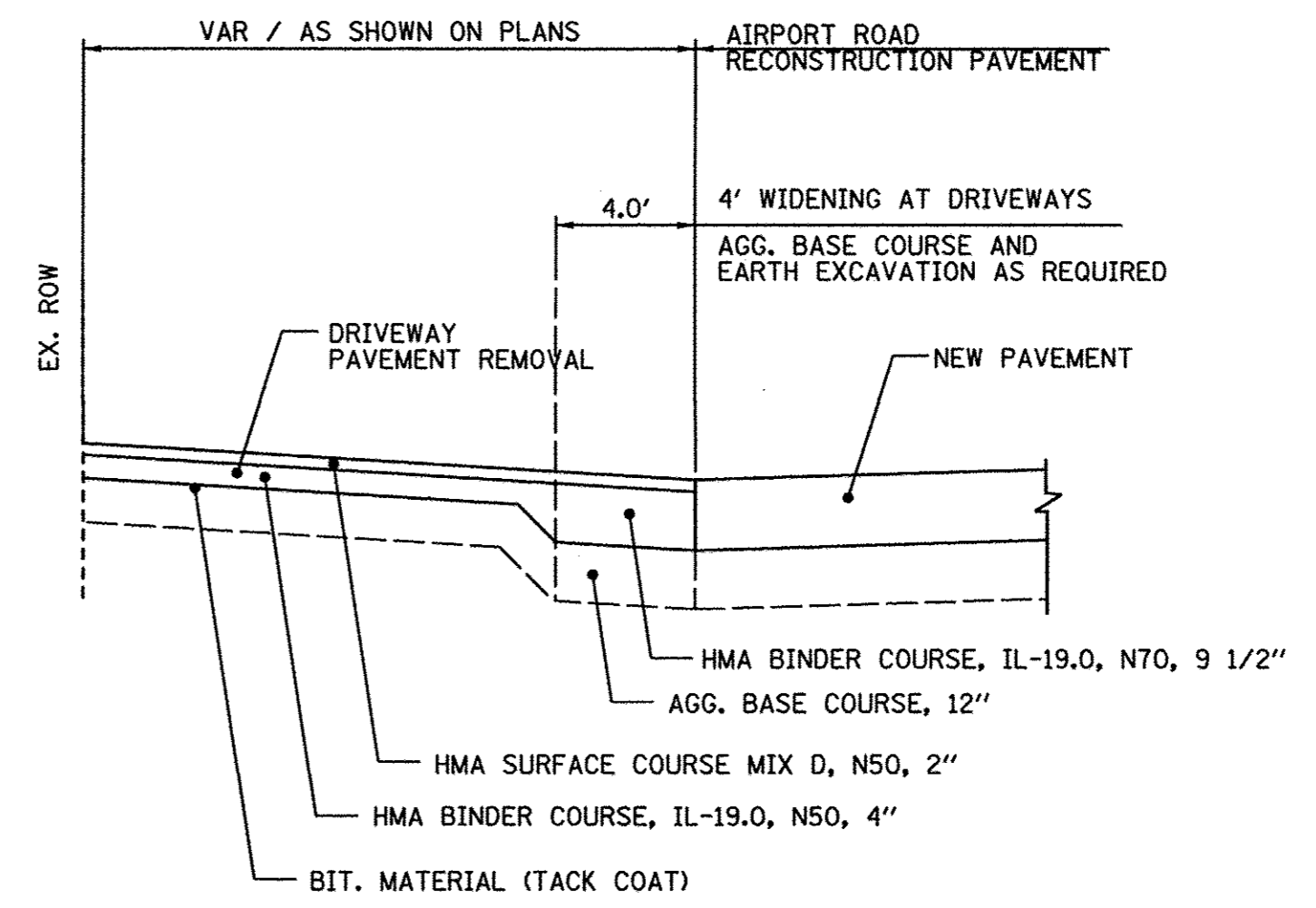


- LEGEND**
- (A) HMA SURFACE REMOVAL, 2"
 - (B) HMA SURFACE COURSE, MIX D, N50, 2"
 - (C) BIT. MATERIAL (TACK COAT)

**PROPOSED TYPICAL SECTION
AIRPORT ROAD
STA 69+42 TO STA 73+10**



**AIRPORT ROAD
TYPICAL SECTION THRU PCC DRIVEWAY**



**AIRPORT ROAD
TRANSITION AT DRIVEWAYS
DETAIL**

FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -
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	PLOT SCALE = 20.00 ft / in.	DRAWN - LV	REVISED -
	PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	7
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT		
LOCATION	OFFSET	AREA (SY)
ICE CREAM DR		
STA 0+60	0	35
ALDER DR		
STA 22+40	0	18
AIRPORT RD		
STA 18+00	0	18
STA 25+75	60' LT	18
STA 36+50	17' LT	67
STA 51+10	20' LT	55
STA 69+65	28' LT	28
STA 71+00	30' LT	30
STA 73+10	0	35
TOTAL		304

THERMOPLASTIC PAVEMENT MARKING 4" SOLID WHITE LINE		
LOCATION		QUANTITY (LF)
ALDER DR		
STA 10+15 TO STA 10+40, LT		65
AIRPORT RD		
STA 18+00 TO STA 23+00, RT		500
STA 19+05 TO STA 23+00, LT		400
STA 23+00 TO STA 29+00, RT		600
STA 23+00 TO STA 29+00, LT		565
STA 29+00 TO STA 41+00, RT		1200
STA 29+00 TO STA 41+00, LT		1060
STA 41+00 TO STA 52+00, RT		1100
STA 41+00 TO STA 52+00, LT		970
STA 52+00 TO STA 53+20, RT		120
STA 52+00 TO STA 53+20, LT		120
TOTAL		6700

THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW		
LOCATION		LENGTH (LF)
ICE CREAM DR		
STA 0+80 TO STA 4+40		1000
STA 14+80 TO STA 15+65		230
ALDER DR		
STA 10+40 TO STA 21+00		4260
AIRPORT		
STA 19+20 TO STA 20+00		160
STA 53+00 TO STA 62+00, RT		1800
STA 53+00 TO STA 62+00, LT		1800
STA 62+00 TO STA 68+00, RT		1200
STA 62+00 TO STA 68+00, LT		1200
STA 68+00 TO STA 70+80, LT		900
STA 71+30 TO STA 73+10, LT		360
TOTAL		12910

THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)		
LOCATION		LENGTH (LF)
ICE CREAM DR		
STA 4+40 TO STA 10+50		155
STA 10+50 TO STA 14+80		110
AIRPORT RD		
STA 20+00 TO STA 29+00		225
STA 29+00 TO STA 41+00		300
STA 41+00 TO STA 52+00		275
STA 52+00 TO STA 53+00		25
TOTAL		1090

PORTLAND CEMENT CONCRETE SIDEWALK, 5"		
LOCATION	OFFSET	AREA (SF)
ICE CREAM DR		
STA 100+00 TO STA 110+38	0	5300
STA 111+33 TO STA 113+77	0	1250
STA 114+43 TO STA 115+38	0	550
AIRPORT RD		
STA 36+75	48' LT	100
STA 50+85	33' LT	100
STA 60+40	26' LT	50
STA 61+00	26' LT	50
STA 63+50	18' LT	150
STA 63+55	18' RT	50
STA 68+45	25' RT	50
STA 68+75	25' RT	50
TOTAL		7700

DETECTABLE WARNINGS		
LOCATION	OFFSET	AREA (SF)
ICE CREAM DR		
STA 110+33	0	10
STA 111+35	0	10
STA 113+75	0	10
STA 114+46	0	10
AIRPORT RD		
STA 36+70	48' LT	10
STA 50+87	33' LT	10
STA 60+46	26' LT	10
STA 60+99	26' RT	10
STA 63+56	18' LT	10
STA 63+56	18' RT	10
TOTAL		100

THERMOPLASTIC PAVEMENT MARKING 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)		
LOCATION		LENGTH (LF) SOLID LINE
ICE CREAM DR		
STA 1+35 TO STA 2+05, LT		20
AIRPORT RD		
STA 69+00 TO STA 70+15		60
TOTAL		80

THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE		
LOCATION		QUANTITY (LF)
ICE CREAM DR		
STA 0+60 TO STA 1+35, LT		75
AIRPORT RD		
STA 70+30	ONLY	20.8
STA 70+55	LEFT ARROW	15.6
STA 71+42	ONLY	20.8
STA 71+42	ONLY	20.8
STA 71+68	LEFT ARROW	15.6
STA 71+68	RIGHT ARROW	15.6
STA 72+60	ONLY	20.8
STA 72+60	ONLY	20.8
STA 72+85	LEFT ARROW	15.6
STA 72+85	RIGHT ARROW	15.6
TOTAL		320

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS			
LOCATION	LETTERS	AREA (SF)	
		SYMBOL	
ICE CREAM DR			
STA 1+00	LEFT ARROW		15.6
STA 1+25	ONLY		20.8
AIRPORT RD			
STA 70+30	ONLY		20.8
STA 70+55	LEFT ARROW		15.6
STA 71+42	ONLY		20.8
STA 71+42	ONLY		20.8
STA 71+68	LEFT ARROW		15.6
STA 71+68	RIGHT ARROW		15.6
STA 72+60	ONLY		20.8
STA 72+60	ONLY		20.8
STA 72+85	LEFT ARROW		15.6
STA 72+85	RIGHT ARROW		15.6
TOTAL			218.4

PORTLAND CEMENT CONCRETE DRIVEWAY, 7"	
LOCATION	AREA (SY)
AIRPORT ROAD	
STA 56+00, LT	62
STA 60+60, LT	85
STA 63+00, LT	85
STA 68+50, LT	75
TOTAL	307

EARTH EXCAVATION (20200100)		
LOCATION	CUT (CY)	FILL (CY)
ICE CREAM DRIVE/SIDEWALK		
STA 100+00 TO STA 108+18	115.5	1.5
STA 108+18 TO STA 115+50	96	0
ALDER DRIVE		
STA 10+15 TO STA 21+40	890	0
AIRPORT ROAD		
STA 18+00 TO STA 20+00	135	0
STA 24+50 TO STA 28+50	340	0
STA 35+30 TO STA 37+70	85	0
STA 50+00 TO STA 53+00	175	0
STA 53+00 TO STA 69+50	580	15
TOTAL	2416.5	16.5
BALANCE (CUT)		2400

THERMOPLASTIC PAVEMENT MARKING 24" SOLID WHITE LINE			
LOCATION	OFFSET		LENGTH (LF)
ICE CREAM DR			
STA 15+55	0		20
ALDER DR			
STA 10+40	0		20
AIRPORT RD			
STA 18+07	0		14
STA 18+20	0		17
STA 25+70	38' LT		17
STA 73+10	0		32
TOTAL			120

THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL		
LOCATION		LENGTH (LF)
ICE CREAM DR		
STA 1+35 TO 2+50		10
STA 15+45 TO 15+65		5
ALDER DR		
STA 10+40 TO STA 21+00		150
AIRPORT RD		
STA 53+00 TO STA 68+50		155
TOTAL		320

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)				
LOCATION	OFFSET	QUANTITY (EACH)		
		INLET	MANHOLE	
ALDER DR				
STA 21+24	18' LT	0	1	
STA 21+70	16' LT	0	1	
STA 21+83	14' LT	0	1	
TOTAL		0	3	

REMOVING INLET (SPECIAL)			
LOCATION	OFFSET		QUANTITY (EACH)
ALDER DR			
STA 10+61	14' LT		1
STA 10+61	14' RT		1
STA 12+25	14' LT		1
STA 12+25	13' RT		1
STA 14+00	14' LT		1
STA 14+00	13' RT		1
STA 20+51	14' LT		1
AIRPORT RD			
STA 56+21	24' LT		1
STA 63+51	26' LT		1
STA 68+87	24' LT		1
TOTAL			10

THERMOPLASTIC PAVEMENT MARKING 12" SOLID WHITE LINE		
LOCATION		LENGTH (LF)
AIRPORT RD		
STA 19+05 TO STA 20+10, LT		15
STA 18+00 TO STA 20+10, RT		30
STA 26+10 TO STA 28+70, LT		25
STA 24+50 TO STA 28+70, RT		55
STA 50+00 TO STA 53+00		30
TOTAL		155

COMBINATION C&G REMOVAL AND COMBINATION C&G TY B-6.12 AND COMBINATION C&G TY M-4.12				
LOCATION	REMOVAL QUANTITY (LF)	TY B-6.12 QUANTITY (LF)	TY M-4.12 QUANTITY (LF)	
ICE CREAM DR				
STA 1+05 TO STA 1+92, 13' RT	26	100		
STA 2+31 TO STA 2+39, 13' RT	8	8		
STA 3+62 TO STA 3+72, 13' RT	10	10		
STA 5+00 TO STA 6+04, 13' RT	26	120		
STA 6+16 TO STA 6+24, 13' LT	8	8		
STA 6+60 TO STA 7+40, 13' RT	28	100		
STA 7+70 TO STA 7+80, 13' RT	10	10		
STA 9+42 TO STA 10+22, 13' RT	66	135		
STA 10+43 TO STA 11+65, 13' LT	51	165		
STA 13+74 TO STA 14+96, 13' LT	77	180		
ALDER DR				
STA 10+15 TO STA 21+35, 13' LT	1176	1170		
STA 10+15 TO STA 22+40, 13' RT	1245	1333		
STA 21+74 TO STA 21+88, 15' LT	20	20		
AIRPORT RD				
STA 18+10 TO STA 19+90, 19' RT	0	180		
STA 25+43 TO STA 25+55, 20' LT	15	15		
STA 36+05 TO STA 36+10, 17' LT	16	16	1625	
STA 50+87 TO STA 50+95, 30' LT	12	12	1625	
STA 51+35 TO STA 51+70, 20' LT	50	50		
STA 53+00 TO STA 68+85, 15' LT	128	40		
STA 53+00 TO STA 68+85, 14' RT	0	45		
STA 68+85 TO STA 69+42, 15' LT	60	60		
STA 68+85 TO STA 69+55, 14' RT	15	70		
STA 70+50 TO STA 70+55, 14' RT	5	5		
STA 71+95 TO STA 72+00, 26' LT	5	5		
STA 72+50 TO STA 72+70, 14' RT	20	20		
STA 72+55 TO STA 72+60, 27' LT	5	5		
TOTAL	3100	3900	3250	

INLETS, TY B, 3'-DIA, TYPE 12 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 62+50	15' RT	1
TOTAL		1

CB, TY D, 3'-DIA, TYPE 12 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 55+85	15' LT	1
TOTAL		1

CB, TY C, 2'-DIA, TYPE 1 FRAME, OPEN LID		
LOCATION	OFFSET	QUANTITY (EACH)
ALDER DRIVE		
STA 13+20	21' LT	1
AIRPORT RD		
STA 66+50	22' RT	1
STA 67+55	20' RT	1
STA 68+10	20' RT	1
TOTAL		4

SANITARY MANHOLES TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
ALDER DR		
STA 11+60	28' RT	1
STA 17+80	17' LT	1
STA 21+20	14' LT	1
STA 21+70	14' LT	1
TOTAL		4

INLETS TO BE ADJ WITH NEW TY 1 FR&OL		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 69+08	22' RT	1
TOTAL		1

INLETS, TY B, 3'-DIA, TYPE 8 GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 57+50	24' LT	1
TOTAL		1

CB, TY D, 4'-DIA, TYPE 12 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 61+40	15' LT	1
TOTAL		1

CB, TY C, 2'-DIA, TYPE 12 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 56+50	15' LT	1
STA 57+50	15' LT	1
STA 58+50	15' LT	1
STA 58+50	15' RT	1
STA 61+00	15' RT	1
STA 61+40	15' RT	1
STA 64+80	15' RT	1
STA 64+80	15' LT	1
STA 66+50	15' LT	1
STA 66+50	15' RT	1
STA 67+90	15' RT	1
STA 67+90	15' LT	1
TOTAL		12

MANHOLES TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DR		
STA 11+49	19' LT	1
ALDER DR		
STA 12+25	29' LT	1
AIRPORT RD		
STA 54+75	22' LT	1
STA 56+89	23' LT	1
STA 63+91	24' RT	1
TOTAL		5

INLETS TO BE ADJ WITH NEW TY 11 FR&GR		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DRIVE		
STA 11+49	14' LT	1
TOTAL		1

FLARED END SECTIONS, 15" W/ GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 63+62	26' LT	1
TOTAL		1

CB, TY C, 2'-DIA, TYPE 8 GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DRIVE		
STA 10+56	33' LT	1
STA 11+49	25' RT	1
ALDER DRIVE		
STA 19+21	24' LT	1
AIRPORT ROAD		
STA 58+50	24' LT	1
STA 62+50	25' RT	1
TOTAL		5

VALVE BOXES TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 25+89	37' LT	1
STA 19+00	25' LT	1
TOTAL		2

INLETS TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DR		
STA 2+40	15' LT	1
STA 2+40	16' RT	1
STA 9+00	13' LT	1
STA 9+00	15' RT	1
STA 11+49	15' RT	1
STA 12+75	13' LT	1
STA 12+75	15' RT	1
ALDER DR		
STA 20+51	13' RT	1
STA 21+80	13' RT	1
AIRPORT RD		
STA 18+48	32' RT	1
STA 28+62	35' RT	1
TOTAL		11

MANHOLE TO BE ADJ W/ NEW TY 1 FR&OL		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DRIVE		
STA 15+65	35' RT	1
AIRPORT RD		
STA 64+75	25' RT	1
STA 69+16	25' LT	1
TOTAL		3

FLARED END SECTIONS, 12" W/ GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DR		
STA 10+56	24' RT	1
TOTAL		1

CB, TY C, 2'-DIA, TYPE 11 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CRAM DRIVE		
STA 10+56	14' RT	1
ALDER DR		
STA 10+61	19' RT	1
STA 12+25	13' RT	1
STA 14+00	13' RT	1
STA 19+21	13' RT	1
STA 19+21	18' LT	1
STA 20+51	20' LT	1
TOTAL		7

VALVE VAULTS TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 25+56	20' LT	1
TOTAL		1

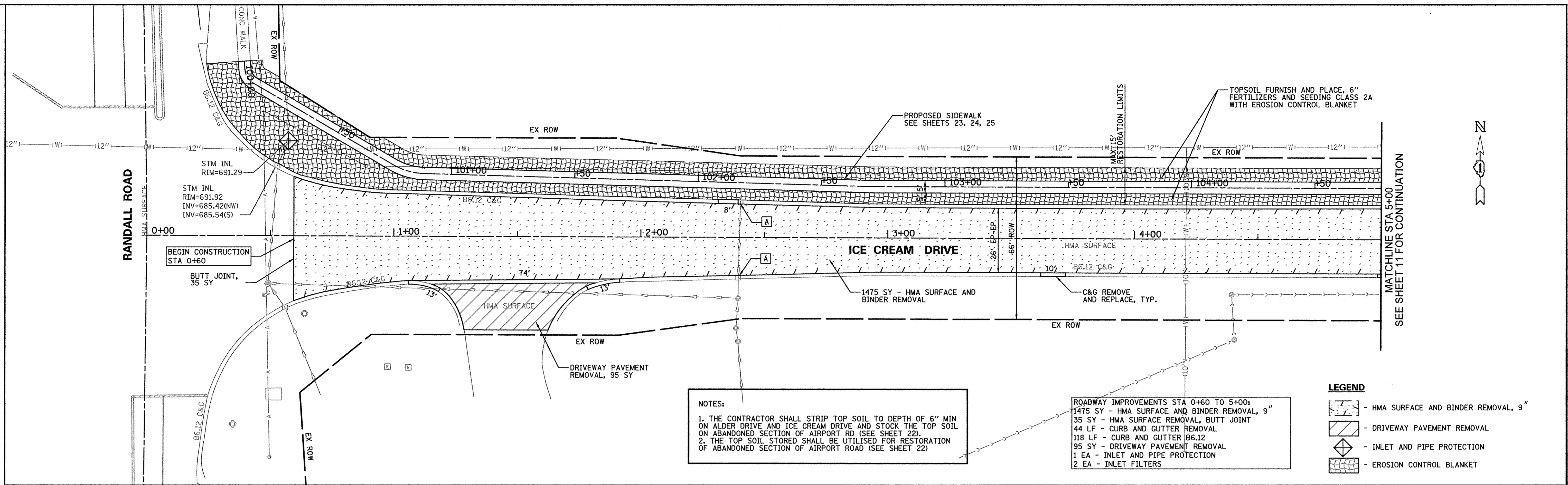
MANHOLE TO BE ADJ W/ NEW TY 1 FR&CL		
LOCATION	OFFSET	QUANTITY (EACH)
ALDER DRIVE		
STA 10+29	28' LT	1
AIRPORT RD		
STA 61+44	25' LT	1
TOTAL		2

INLETS, TY B, 3'-DIA, TYPE 11 FRAME, OPEN LID		
LOCATION	OFFSET	QUANTITY (EACH)
ICE CREAM DR		
STA 10+56	17' LT	1
ALDER DR		
STA 10+61	18' LT	1
STA 12+25	18' LT	1
STA 14+00	18' LT	1
STA 21+77	22' LT	1
AIRPORT RD		
STA 69+15	13' RT	1
TOTAL		6

CB, TY D, 3'-DIA, TYPE 8 GRATE W/ FLAT TOP, 4" RING		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 56+50	25' LT	1
TOTAL		1

CB, TY A, 4'-DIA, TYPE 12 FRAME AND GRATE		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 54+75	15' LT	1
STA 62+50	15' LT	1
TOTAL		2

CATCH BASINS TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
AIRPORT RD		
STA 25+75	30' RT	1
TOTAL		1



NOTES:

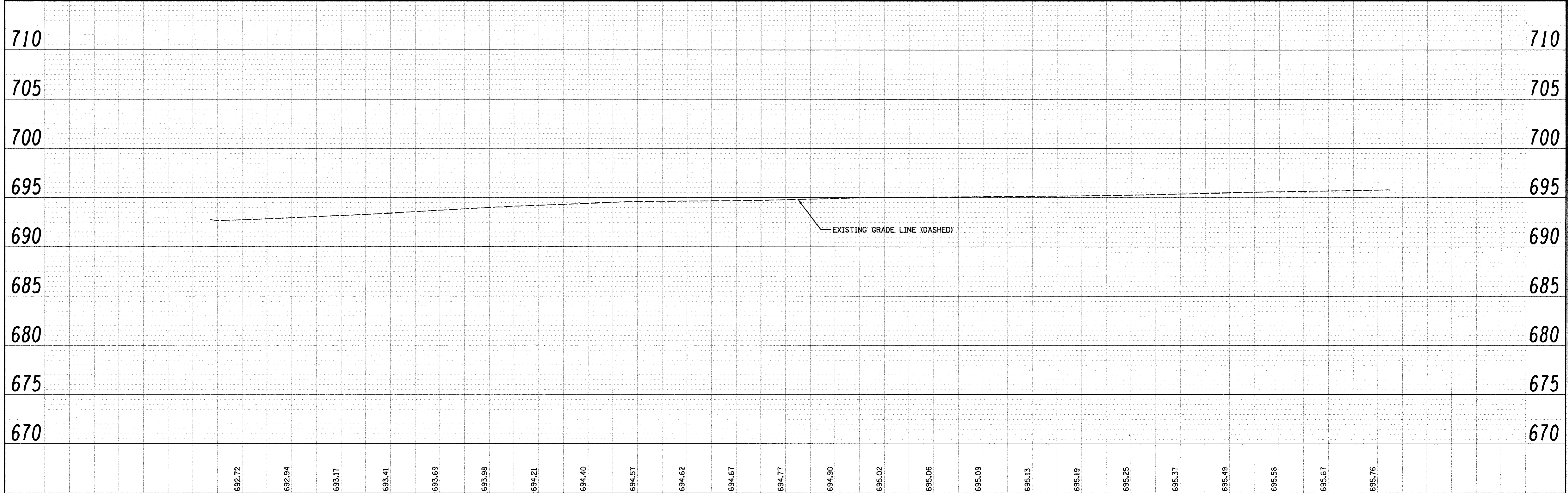
1. THE CONTRACTOR SHALL STRIP TOP SOIL TO DEPTH OF 6" MIN ON ALDER DRIVE AND ICE CREAM DRIVE AND STOCK THE TOP SOIL ON ABANDONED SECTION OF AIRPORT RD (SEE SHEET 22).
2. THE TOP SOIL STORED SHALL BE UTILISED FOR RESTORATION OF ABANDONED SECTION OF AIRPORT ROAD (SEE SHEET 22)

ROADWAY IMPROVEMENTS STA 0+60 TO 5+00:

- 1475 SY - HMA SURFACE AND BINDER REMOVAL, 9"
- 35 SY - HMA SURFACE REMOVAL, BUTT JOINT
- 44 LF - CURB AND GUTTER REMOVAL
- 118 LF - CURB AND GUTTER B6.12
- 95 SY - DRIVEWAY PAVEMENT REMOVAL
- 1 EA - INLET AND PIPE PROTECTION
- 2 EA - INLET FILTERS

LEGEND

- [Hatched pattern] - HMA SURFACE AND BINDER REMOVAL, 9"
- [Diagonal lines] - DRIVEWAY PAVEMENT REMOVAL
- [Diamond with cross] - INLET AND PIPE PROTECTION
- [Cross-hatched pattern] - EROSION CONTROL BLANKET



FILE NAME =	USER NAME = .USER_	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										ICE CREAM DRIVE PLAN AND PROFILE STA 0+45 TO STA 5+00				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\dgn\NA\NA536A\airport\rd_STP\sheet\10_NA536IceCreamDr-PP01.dgn		CHECKED - JB	REVISED -											1649	16-00056-00-PV	KANE	61	10				
PLOT SCALE = 20.00 ft / in.		DRAWN - LV	REVISED -											SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 61D30				
PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -											FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

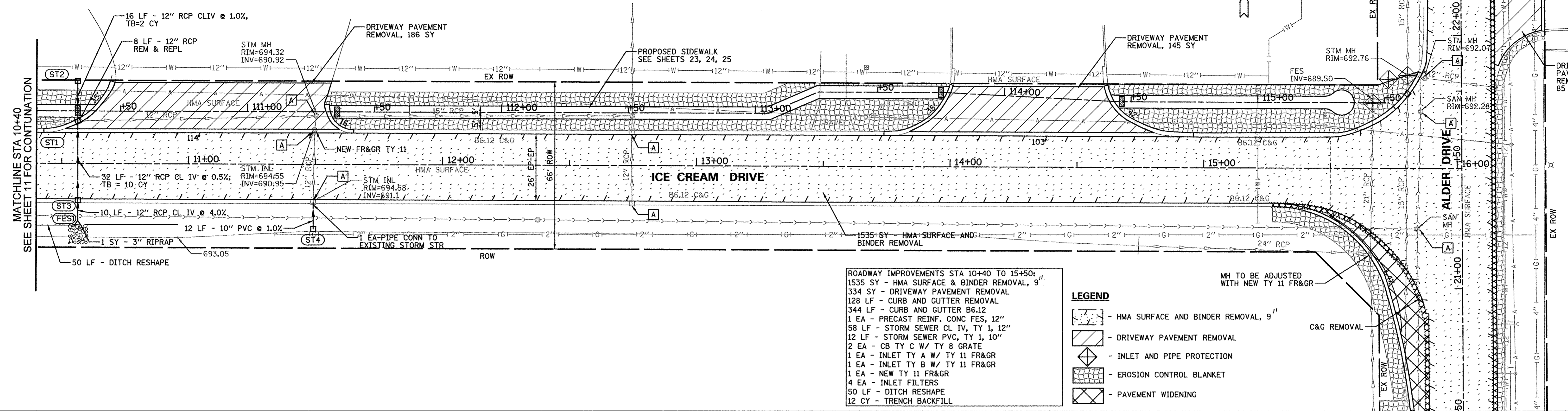
FES1
12" FES W/ GRATE
INV=692.20

ST1
STA 10+56, 17' LT
INLET TY B, 3' DIA.
W/ TY 11 FR&GR
RIM=695.00, VERIFY
INV=691.50(W,E), VERIFY
INV=691.80 (N), VERIFY
INV=691.64(S), VERIFY

ST2
STA 10+56, 33' LT
CB TY C, 2' DIA.
W/ TY 8 GRATE
RIM=693.60, VERIFY
INV=692.00(N), VERIFY

ST3
STA 10+56, 14' RT
CB TY C, 2' DIA.
W/ TY 11 FR&GR
RIM=694.30
INV=691.80(N,S), VERIFY

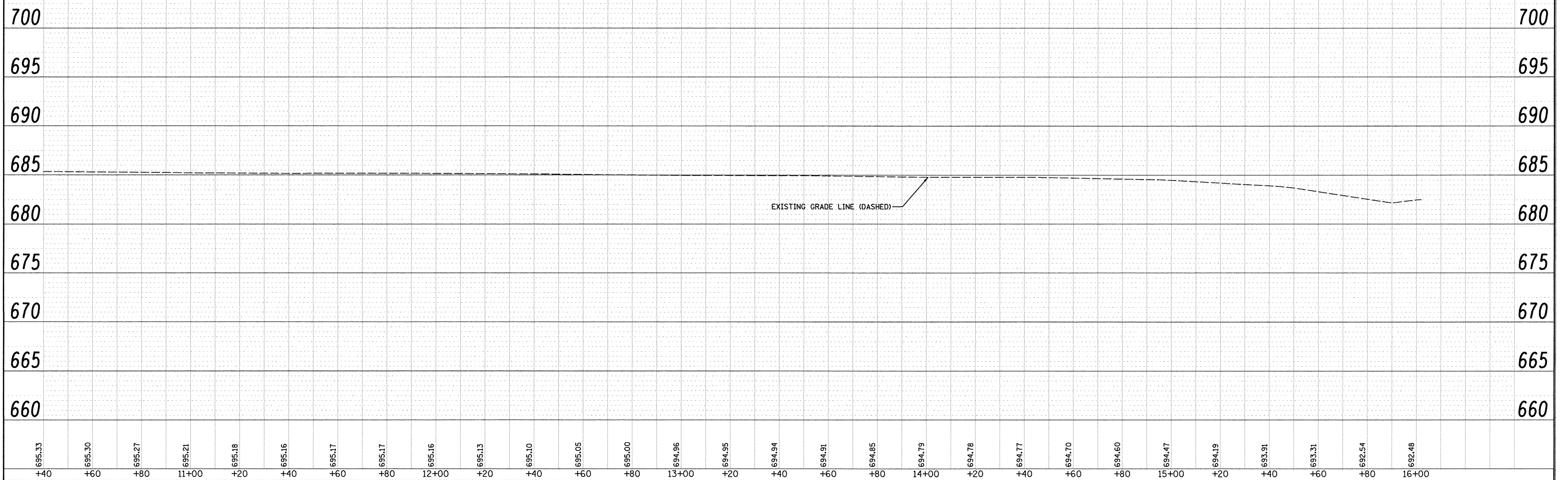
ST4
STA 11+49, 25' RT
CB TY C, 2' DIA.
W/ TY 8 GRATE
RIM=692.50
INV=691.22



ROADWAY IMPROVEMENTS STA 10+40 TO 15+50:
 1535 SY - HMA SURFACE & BINDER REMOVAL, 9"
 334 SY - DRIVEWAY PAVEMENT REMOVAL
 128 LF - CURB AND GUTTER REMOVAL
 344 LF - CURB AND GUTTER B6.12
 1 EA - PRECAST REINF. CONC FES, 12"
 58 LF - STORM SEWER CL IV, TY 1, 12"
 12 LF - STORM SEWER PVC, TY 1, 10"
 2 EA - CB TY C W/ TY 8 GRATE
 1 EA - INLET TY A W/ TY 11 FR&GR
 1 EA - INLET TY B W/ TY 11 FR&GR
 1 EA - NEW TY 11 FR&GR
 4 EA - INLET FILTERS
 50 LF - DITCH RESHAPE
 12 CY - TRENCH BACKFILL

LEGEND

- HMA SURFACE AND BINDER REMOVAL, 9"
- DRIVEWAY PAVEMENT REMOVAL
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- PAVEMENT WIDENING



FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ICE CREAM DRIVE PLAN AND PROFILE STA 10+40 TO STA 15+50				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Na\dgn\NA\NA536A\trpor-trd_STP\sheet12.NA	36IceCreamDr-PP03.dgn	CHECKED - JB	REVISED -		1649	16-00056-00-PV	KANE	61	12				
PLOT SCALE = 28.00 ft / in.		DRAWN - LV	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 61D30				
PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

ST6 STA 10+61.19' RT
CB TY C, 2' DIA
W/TY 11 FR&GR
TC=690.70
RIM=690.20
INV=688.45(VERIFY)

ST6A STA 10+61.18' LT
INLET TY B, 3' DIA
W/TY 11 FR&GR
TC=690.83
RIM=690.33
INV=688.10(VERIFY)

ST7 STA 12+20.21' LT
CB TY C, 2' DIA
W/TY 11 FR&GR
RIM=691.50
INV=689.40(VERIFY)

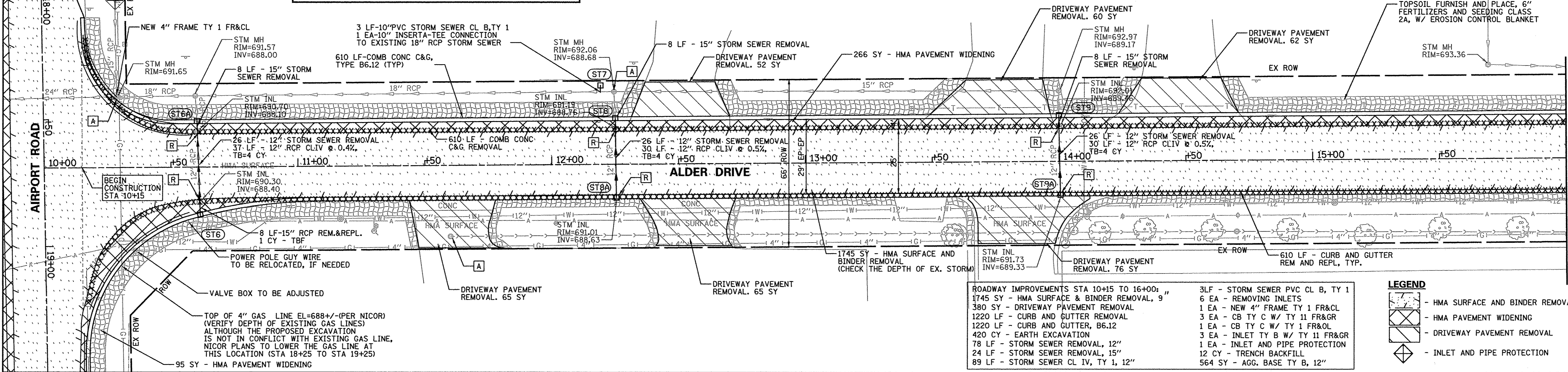
ST8 STA 12+25.18' LT
INLET TY B, 3' DIA
W/TY 11 FR&GR
TC=691.56
RIM=691.06
INV=688.75(VERIFY)

ST8A STA 12+25.13' RT
CB TY C, 2' DIA
W/TY 11 FR&GR
TC=691.56
RIM=691.06
INV=688.90

ST9 STA 14+00.18' LT
INLET TY B, 3' DIA
W/TY 11 FR&GR
TC=692.23
RIM=691.73
INV=689.25(VERIFY)

ST9A STA 14+00.13' RT
CB TY C, 2' DIA
W/TY 11 FR&GR
TC=691.86
RIM=691.73
INV=689.40

NOTES:
1. THE CONTRACTOR SHALL STRIP TOP SOIL TO DEPTH OF 6" MIN ON ALDER DRIVE AND ICE CREAM DRIVE AND STOCK THE TOP SOIL ON ABANDONED SECTION OF AIRPORT RD (SEE SHEET 22).
2. THE TOP SOIL STORED SHALL BE UTILISED FOR RESTORATION OF ABANDONED SECTION OF AIRPORT ROAD (SEE SHEET 22)

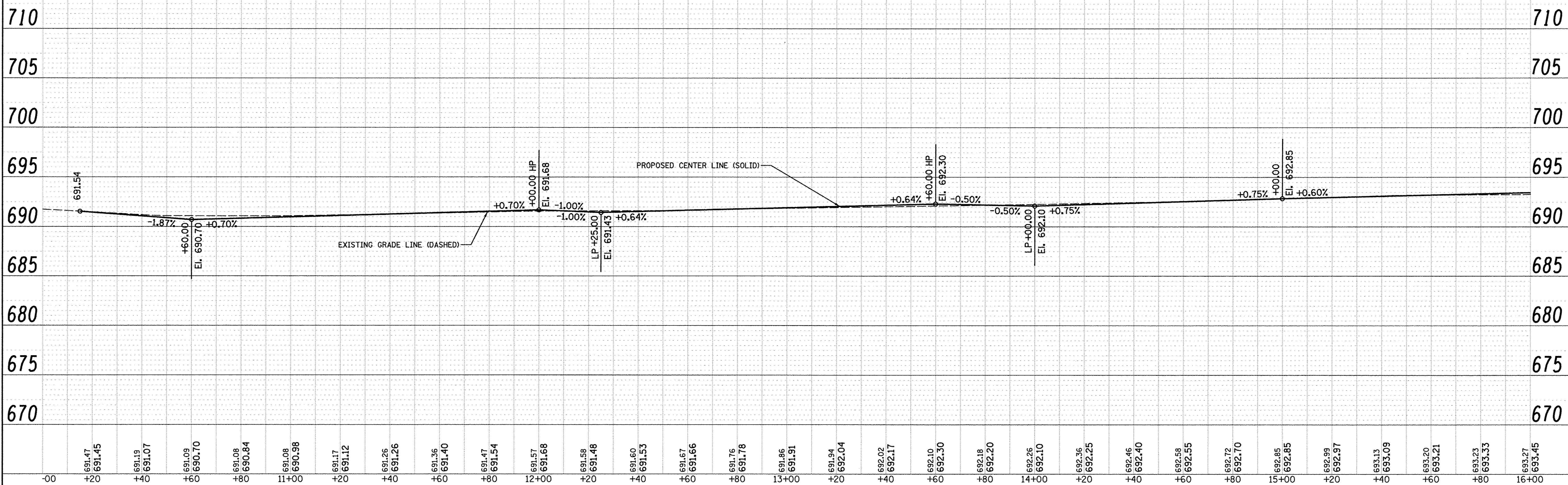


ROADWAY IMPROVEMENTS STA 10+15 TO 16+00:
1745 SY - HMA SURFACE & BINDER REMOVAL, 9"
380 SY - DRIVEWAY PAVEMENT REMOVAL
1220 LF - CURB AND GUTTER REMOVAL
1220 LF - CURB AND GUTTER, B6.12
420 CY - EARTH EXCAVATION
78 LF - STORM SEWER REMOVAL, 12"
24 LF - STORM SEWER REMOVAL, 15"
89 LF - STORM SEWER CL IV, TY 1, 12"

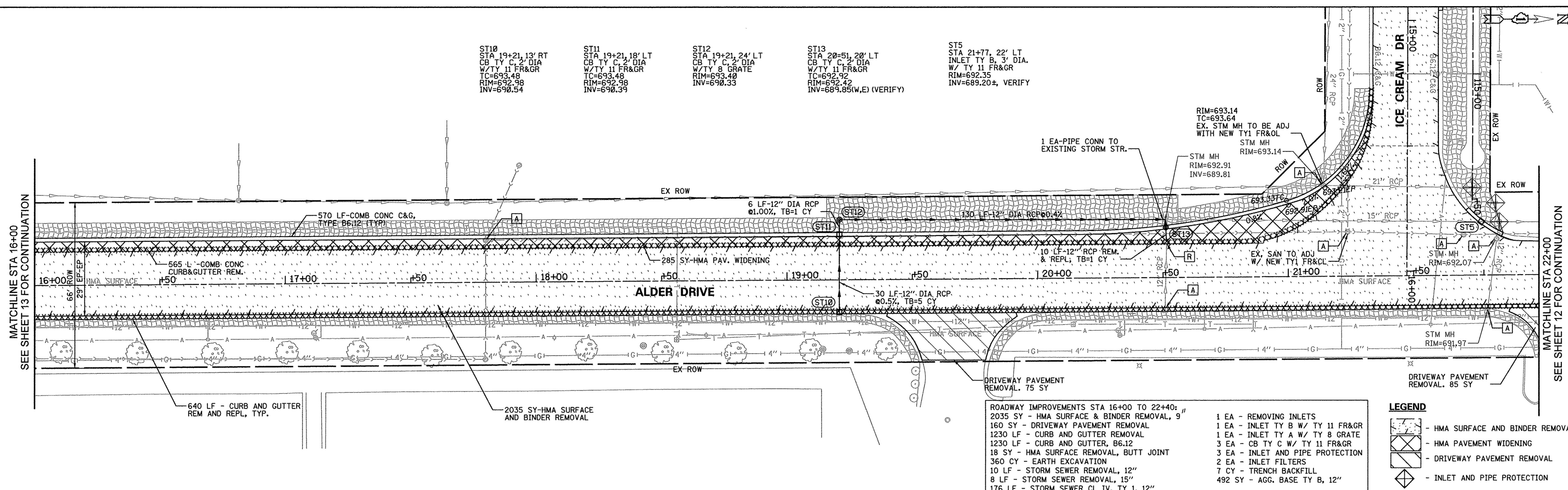
3 LF - STORM SEWER PVC CL B, TY 1
6 EA - REMOVING INLETS
1 EA - NEW 4" FRAME TY 1 FR&CL
3 EA - CB TY C W/ TY 11 FR&GR
1 EA - CB TY C W/ TY 11 FR&OL
3 EA - INLET TY B W/ TY 11 FR&GR
1 EA - INLET AND PIPE PROTECTION
12 CY - TRENCH BACKFILL
564 SY - AGG. BASE TY B, 12"

LEGEND

- HMA SURFACE AND BINDER REMOVAL
- HMA PAVEMENT WIDENING
- DRIVEWAY PAVEMENT REMOVAL
- INLET AND PIPE PROTECTION



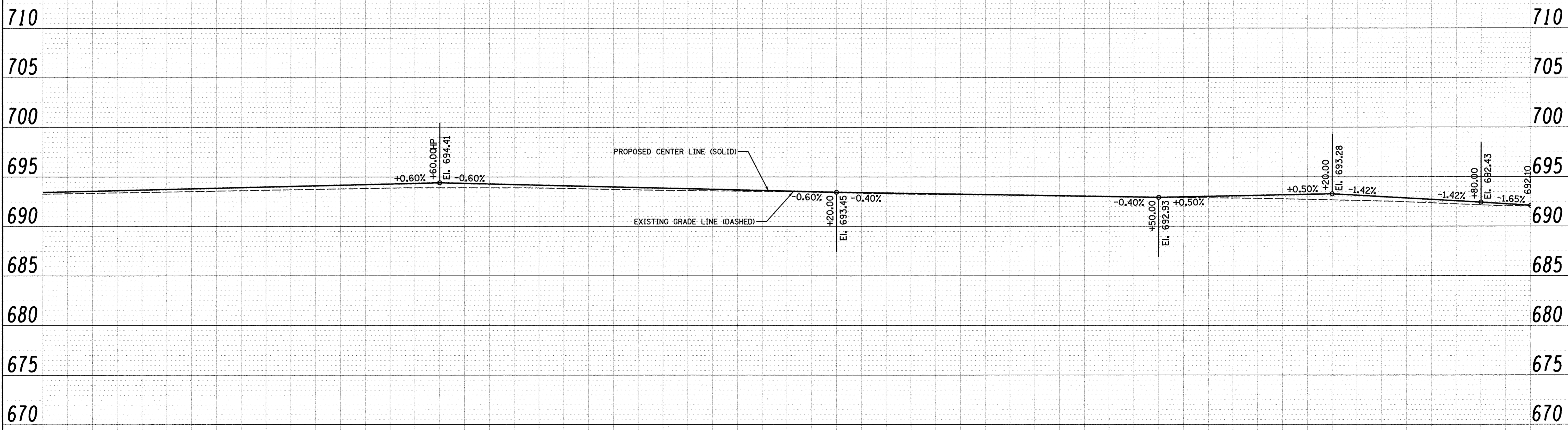
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N:\dgn\NA\NA5364\p\p\rd\STP\sheet\13\NA36A\AlderDrivePP01.dgn	CHECKED - JB	REVISED -	1649		16-00056-00-PV	KANE	61	13	
PLOT SCALE = 20.00 Ft / in.	DRAWN - LV	REVISED -	CONTRACT NO. 61D30						
PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -	ILLINOIS FED. AID PROJECT						



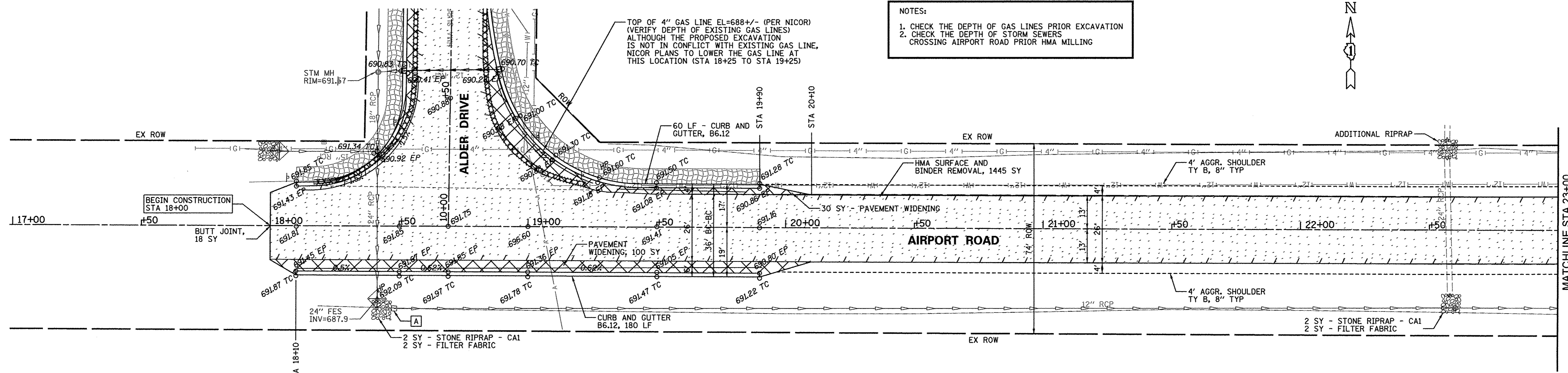
ROADWAY IMPROVEMENTS STA 16+00 TO 22+40:
 2035 SY - HMA SURFACE & BINDER REMOVAL, 9"
 160 SY - DRIVEWAY PAVEMENT REMOVAL
 1230 LF - CURB AND GUTTER REMOVAL
 1230 LF - CURB AND GUTTER, B6.12
 18 SY - HMA SURFACE REMOVAL, BUTT JOINT
 360 CY - EARTH EXCAVATION
 10 LF - STORM SEWER REMOVAL, 12"
 8 LF - STORM SEWER REMOVAL, 15"
 176 LF - STORM SEWER CL IV, TY 1, 12"

LEGEND

	- HMA SURFACE AND BINDER REMOVAL
	- HMA PAVEMENT WIDENING
	- DRIVEWAY PAVEMENT REMOVAL
	- INLET AND PIPE PROTECTION



693.27	693.45	693.35	693.57	693.44	693.69	693.53	693.81	693.62	693.93	693.71	694.05	693.80	694.17	693.88	694.29	693.91	694.41	693.90	694.29	693.89	694.17	693.79	694.05	693.69	693.93	693.62	693.81	693.57	693.69	693.51	693.57	693.41	693.45	693.30	693.37	693.24	693.29	693.20	693.21	693.15	693.13	693.07	693.05	692.99	692.97	692.92	692.98	692.86	693.06	692.78	693.18	692.67	693.28	692.56	693.00	692.36	692.71	692.15	692.43	692.10	692.10
16+00	+20	+40	+60	+80	17+00	+20	+40	+60	+80	18+00	+20	+40	+60	+80	19+00	+20	+40	+60	+80	20+00	+20	+40	+60	+80	21+00	+20	+40	+60	+80	22+00																															



NOTES:
 1. CHECK THE DEPTH OF GAS LINES PRIOR EXCAVATION
 2. CHECK THE DEPTH OF STORM SEWERS CROSSING AIRPORT ROAD PRIOR HMA MILLING

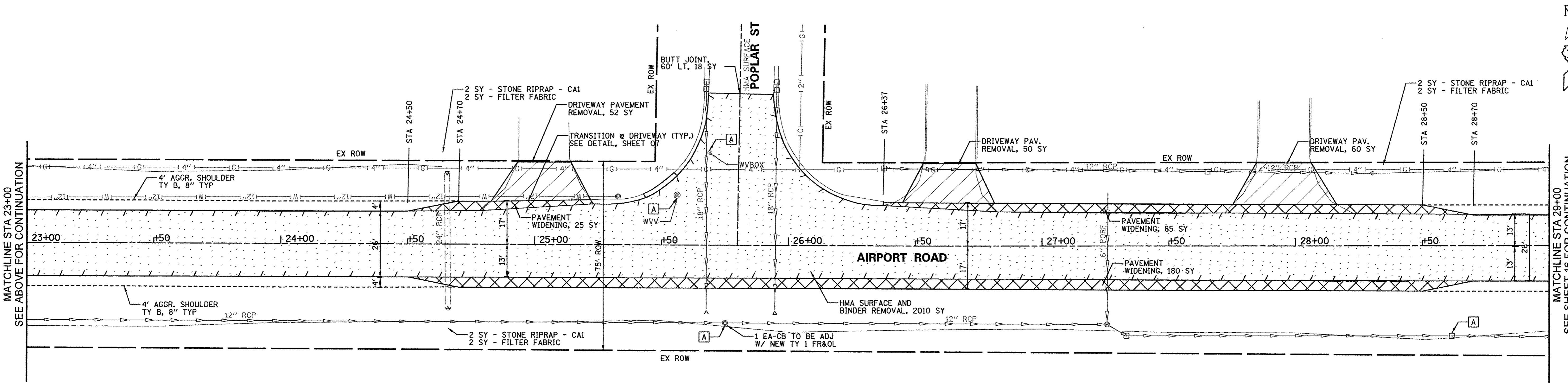
TOP OF 4" GAS LINE EL=688+/- (PER NICOR)
 (VERIFY DEPTH OF EXISTING GAS LINES)
 ALTHOUGH THE PROPOSED EXCAVATION IS NOT IN CONFLICT WITH EXISTING GAS LINE, NICOR PLANS TO LOWER THE GAS LINE AT THIS LOCATION (STA 18+25 TO STA 19+25)

ROADWAY IMPROVEMENTS:

3455 SY - HMA SURFACE AND BINDER REMOVAL, 11 1/4"
36 SY - HMA SURFACE REMOVAL, BUTT JOINT
162 SY - DRIVEWAY PAVEMENT REMOVAL
16 LF - CURB AND GUTTER REMOVAL
256 LF - CURB AND GUTTER B6.12
512 CY - EARTH EXCAVATION
471 SY - AGG. BASE COURSE TY B, 12"
445 SY - AGG. BASE COURSE TY B, 8"
1 EA - INLET AND PIPE PROTECTION

LEGEND

	- HMA SURFACE AND BINDER REMOVAL, 11 1/4"
	- HMA PAVEMENT WIDENING
	- DRIVEWAY PAVEMENT REMOVAL
	- INLET AND PIPE PROTECTION



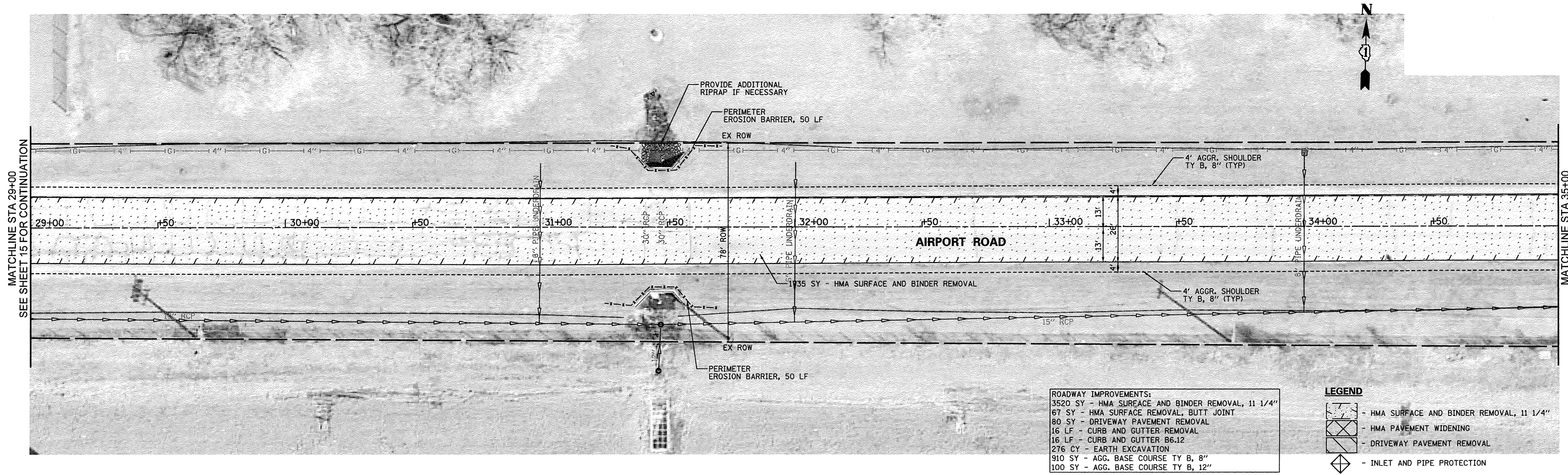
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	PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**AIRPORT ROAD PLAN
 STA 17+00 TO STA 29+00**

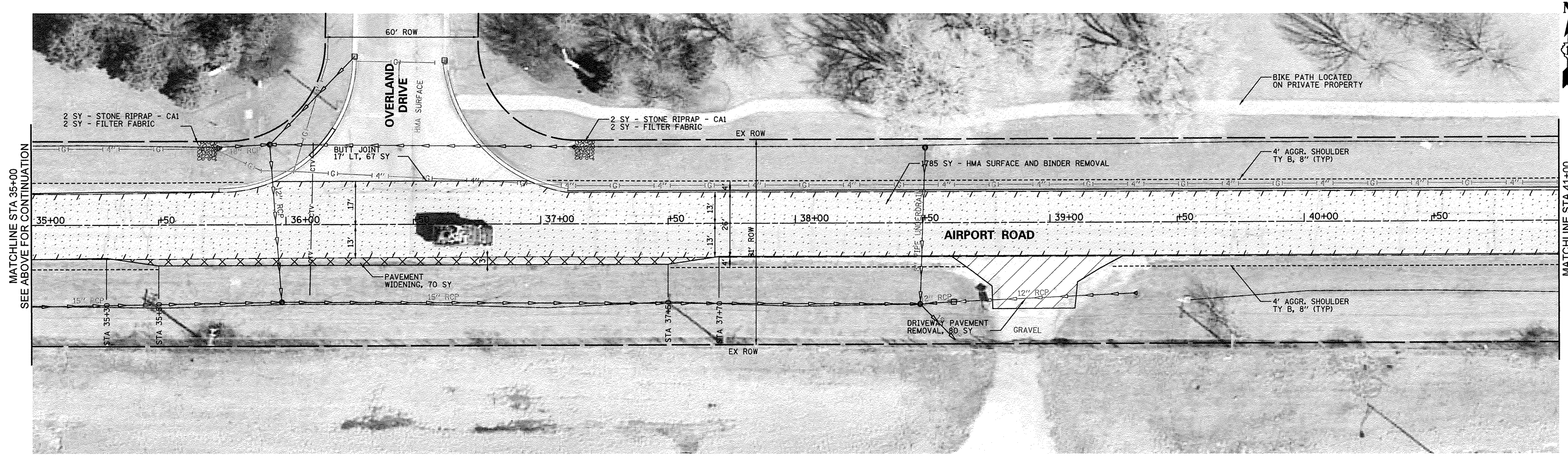
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	15
CONTRACT NO. 61D30				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- ROADWAY IMPROVEMENTS:**
 3520 SY - HMA SURFACE AND BINDER REMOVAL, 11 1/4"
 67 SY - HMA SURFACE REMOVAL, BUTT JOINT
 80 SY - DRIVEWAY PAVEMENT REMOVAL
 16 LF - CURB AND GUTTER REMOVAL
 16 LF - CURB AND GUTTER B6.12
 276 CY - EARTH EXCAVATION
 910 SY - AGG. BASE COURSE TY B, 8"
 100 SY - AGG. BASE COURSE TY B, 12"

- LEGEND**
- HMA SURFACE AND BINDER REMOVAL, 11 1/4"
 - HMA PAVEMENT WIDENING
 - DRIVEWAY PAVEMENT REMOVAL
 - INLET AND PIPE PROTECTION

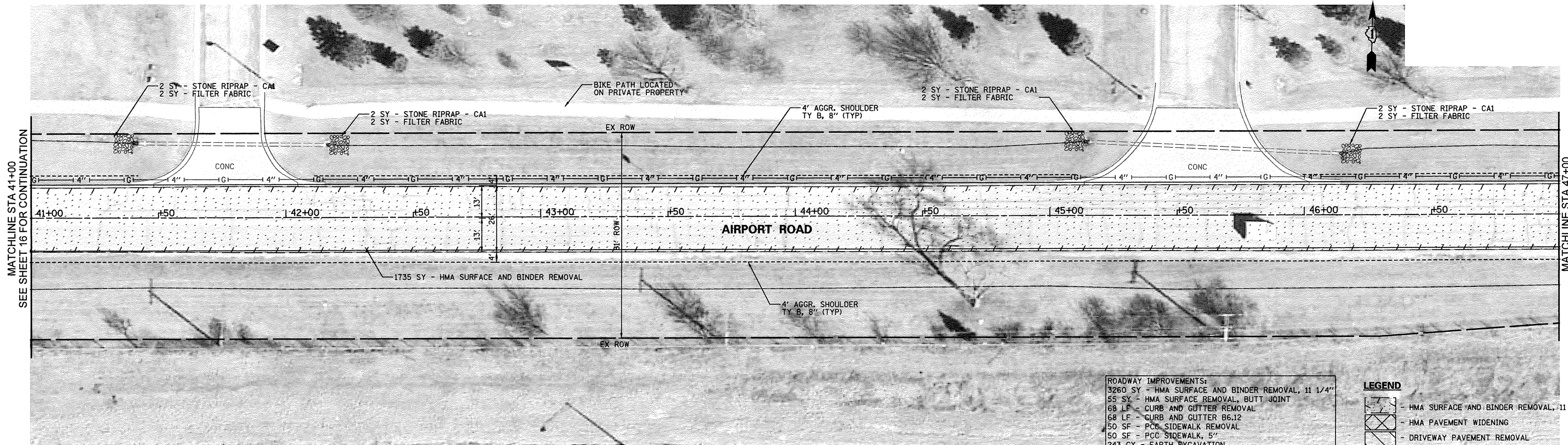


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	PLOT DATE = 10/26/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD PLAN			
STA 29+00 TO STA 41+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61D30				

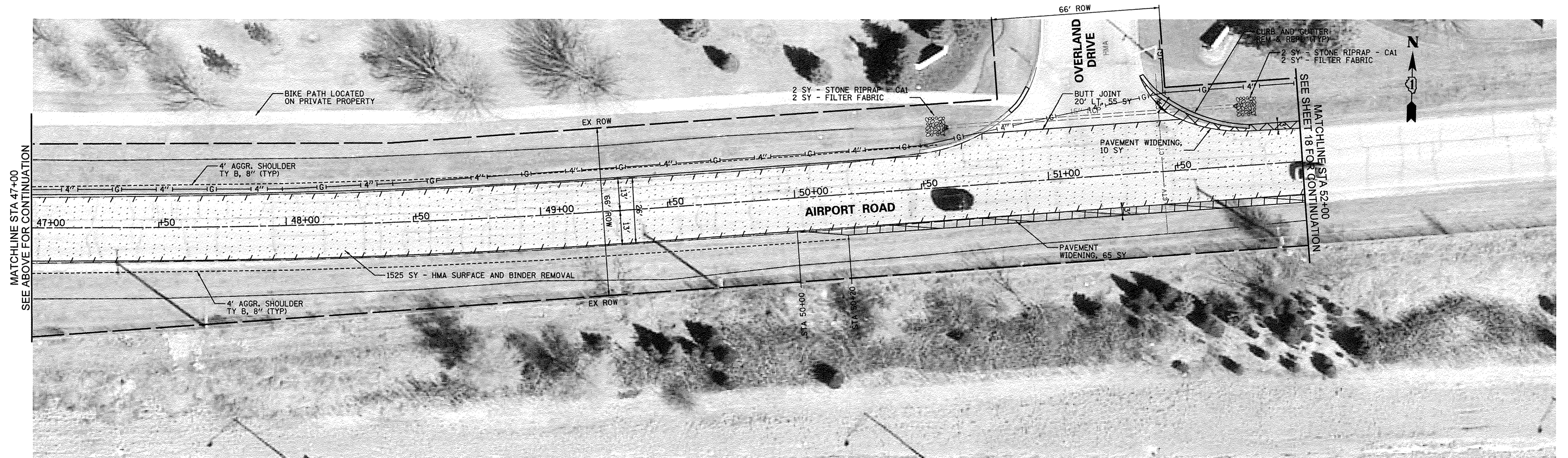


ROADWAY IMPROVEMENTS:

- 3260 SY - HMA SURFACE AND BINDER REMOVAL, 11 1/4"
- 55 SY - HMA SURFACE REMOVAL, BUTT JOINT
- 68 LF - CURB AND GUTTER REMOVAL
- 50 SF - PCC SIDEWALK REMOVAL
- 50 SF - PCC SIDEWALK, 5"
- 243 CY - EARTH EXCAVATION
- 760 SY - AGG. BASE COURSE TY B, 8"
- 100 SY - AGG. BASE COURSE TY B, 12"

LEGEND

- HMA SURFACE AND BINDER REMOVAL, 11 1/4"
- HMA PAVEMENT WIDENING
- DRIVEWAY PAVEMENT REMOVAL
- INLET AND PIPE PROTECTION



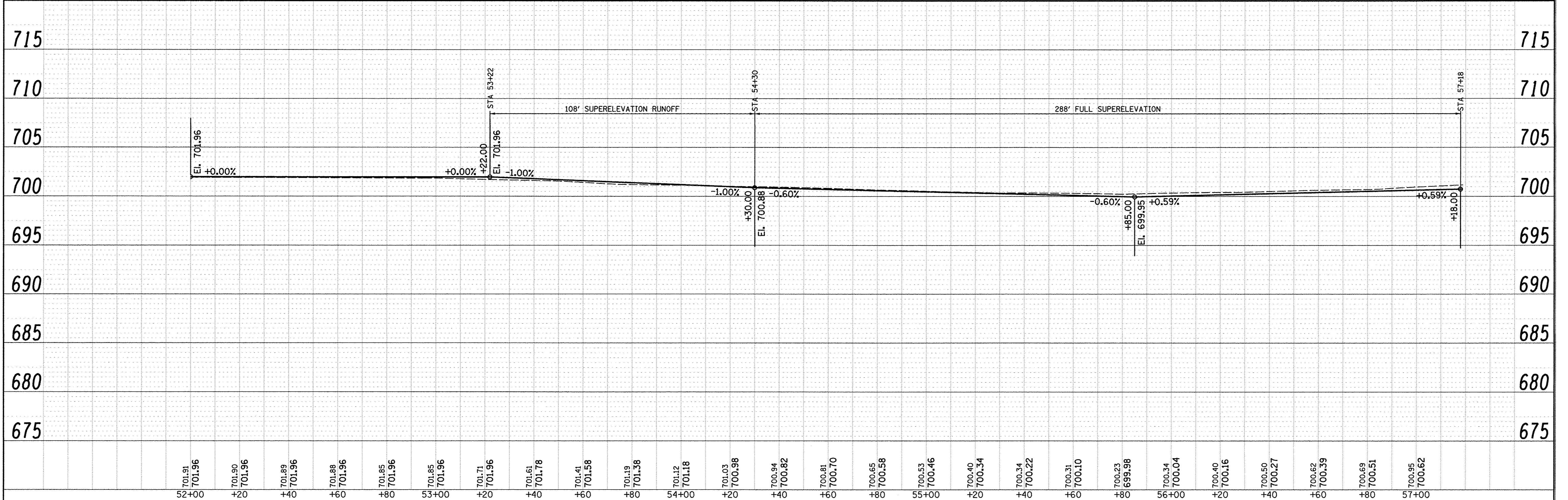
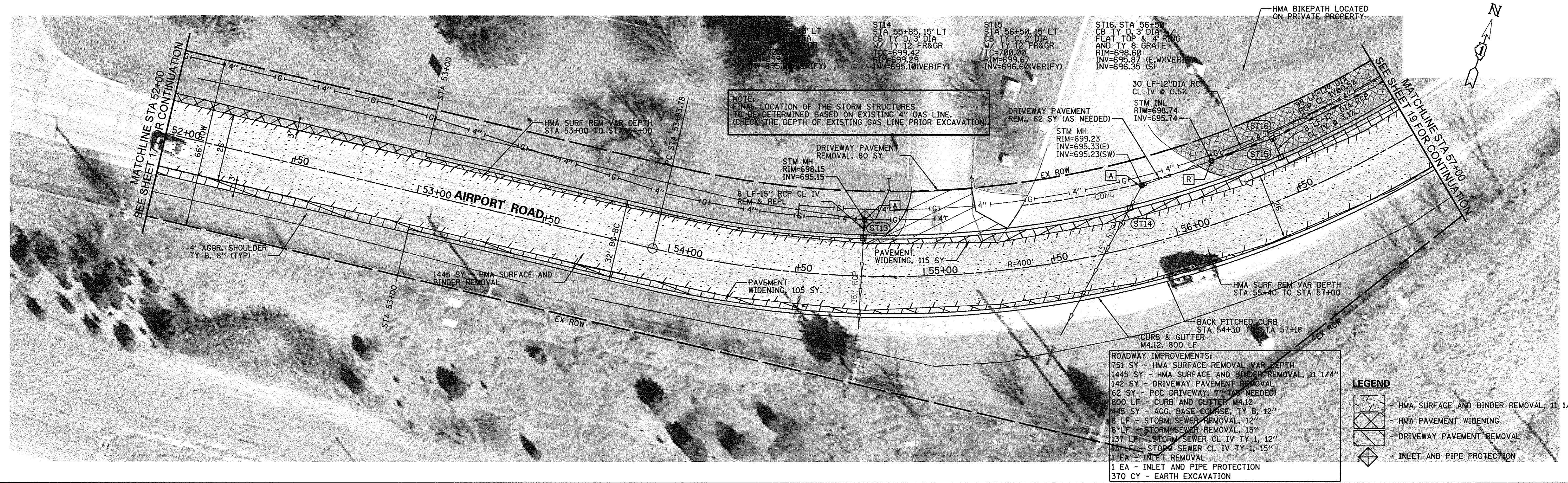
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	PLOT DATE = 10/26/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

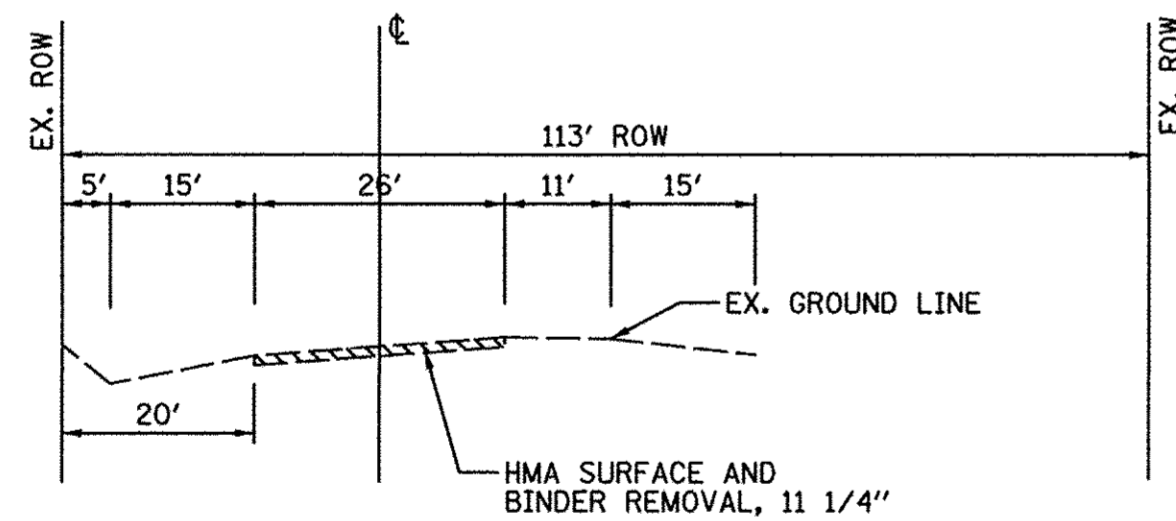
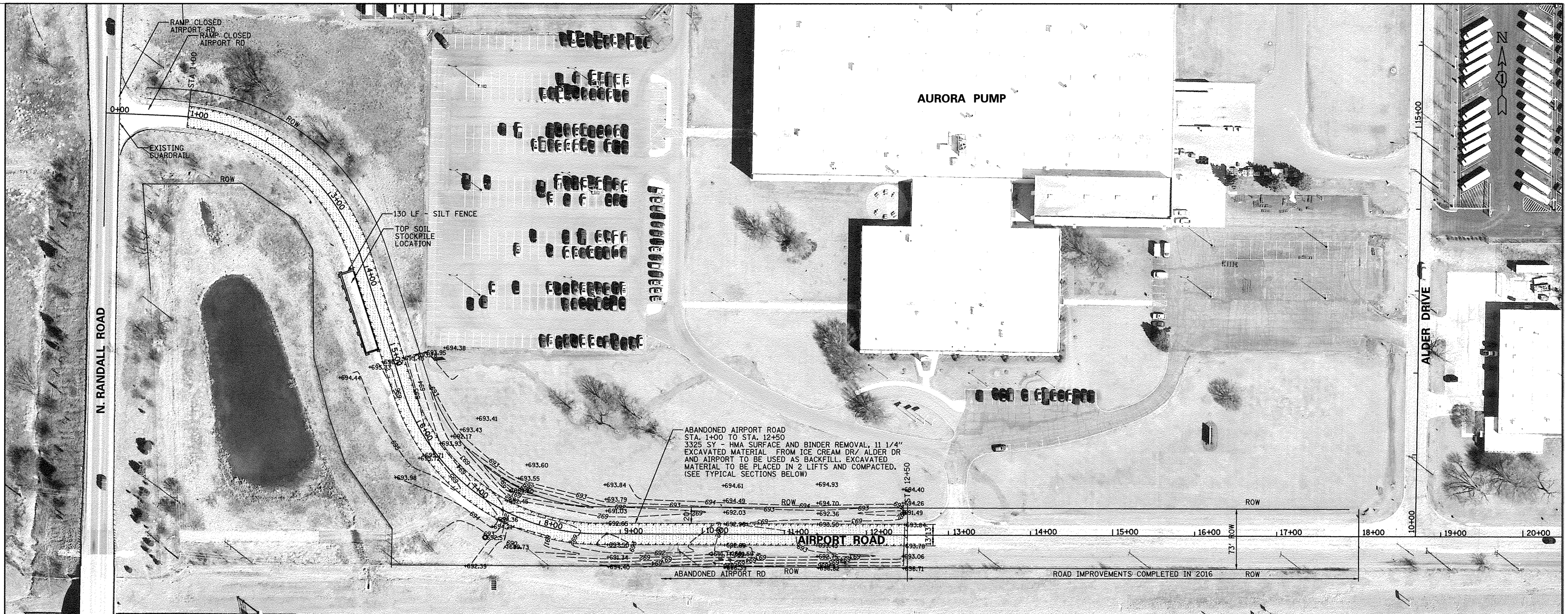
**AIRPORT ROAD PLAN
STA 41+00 TO STA 52+00**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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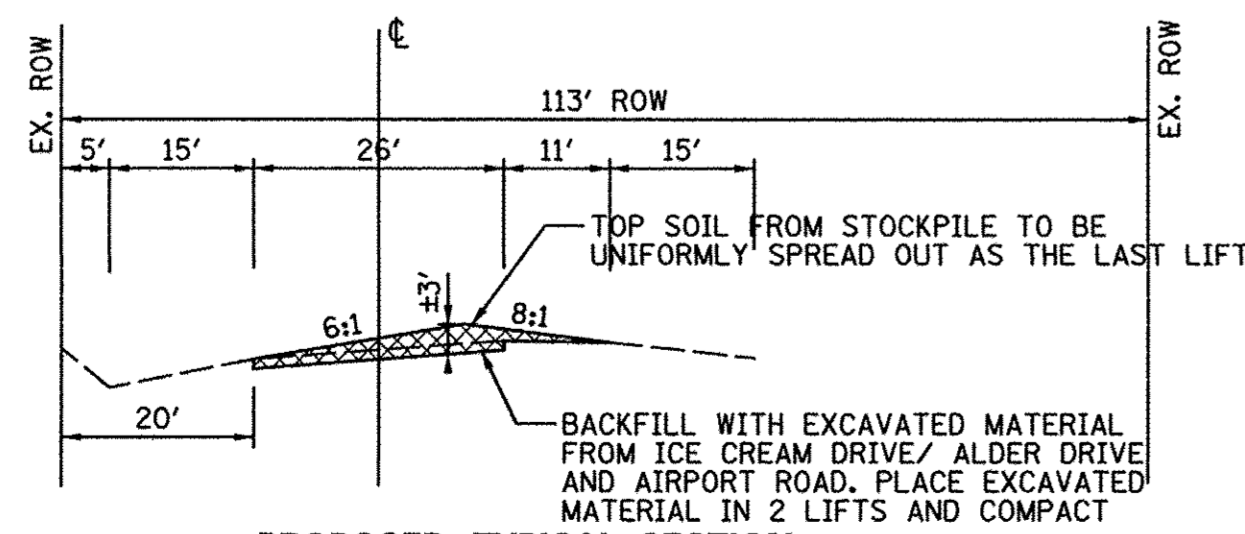
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61D30				



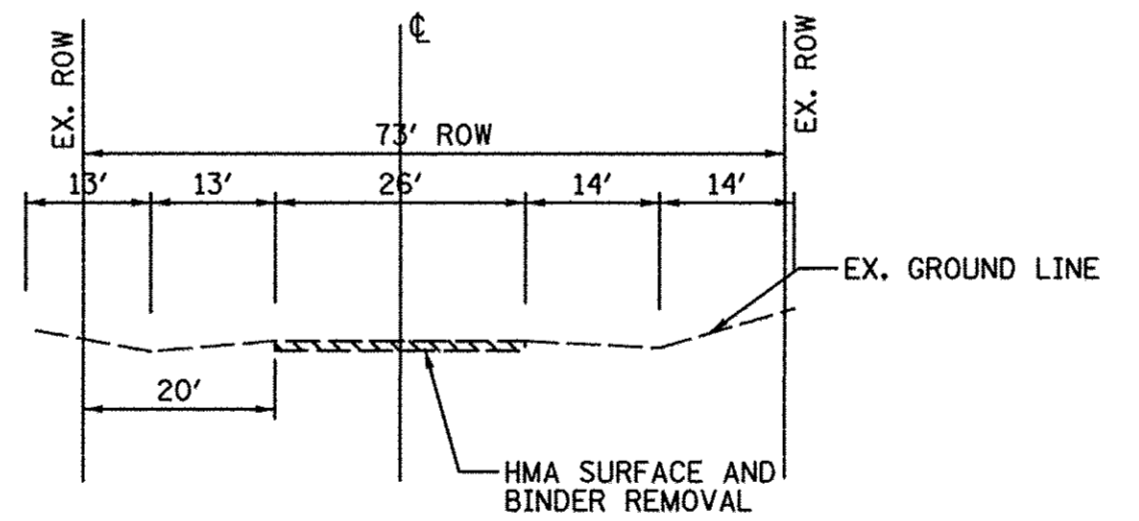
FILE NAME =	USER NAME =	DESIGNED -	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		AIRPORT ROAD PLAN STA 52+00 TO STA 57+00		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/17/2016	CHECKED -	REVISIONS									



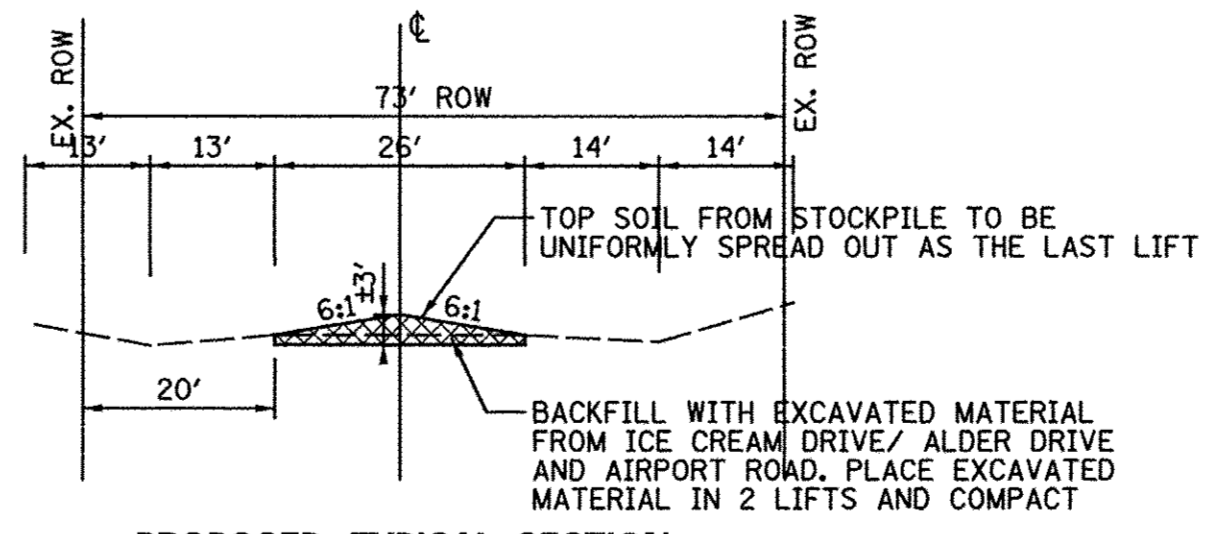
EXISTING TYPICAL SECTION
AIRPORT ROAD
STA 7+50
 SCALE: 1"=20'-0"



PROPOSED TYPICAL SECTION
AIRPORT ROAD
STA 7+50
 SCALE: 1"=20'-0"



EXISTING TYPICAL SECTION
AIRPORT ROAD
STA 11+40
 SCALE: 1"=20'-0"



PROPOSED TYPICAL SECTION
AIRPORT ROAD
STA 11+40
 SCALE: 1"=20'-0"

LEGEND
 - HMA SURFACE AND BINDER REMOVAL

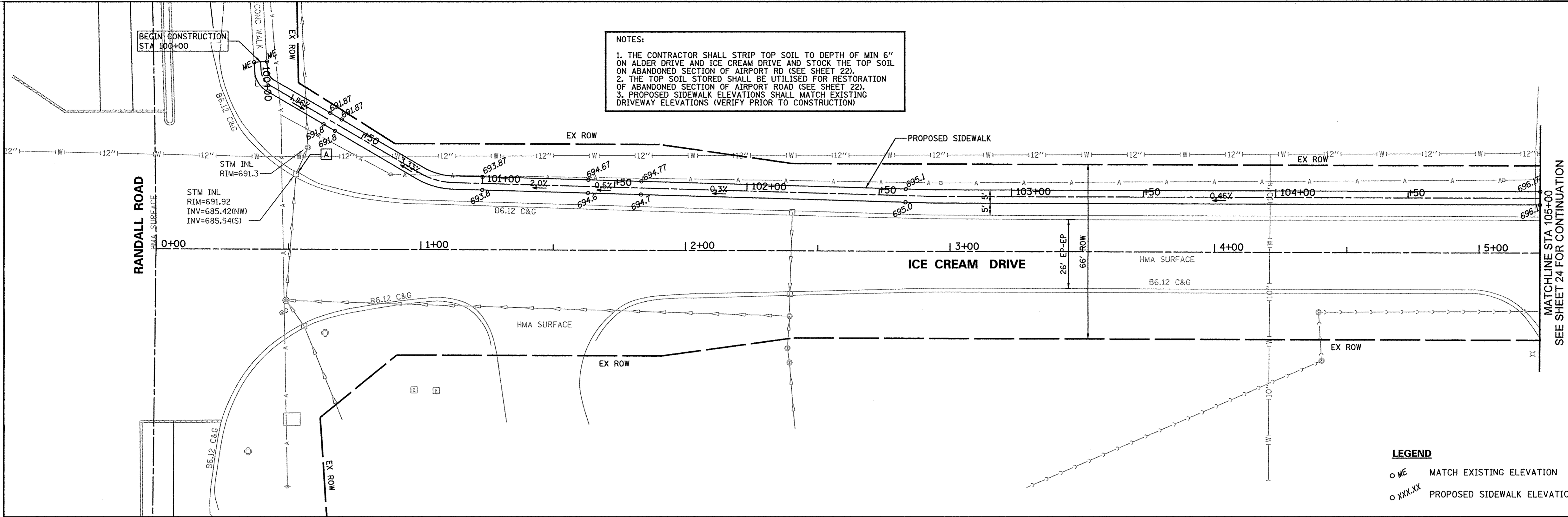
- NOTES:**
1. ALL EXCAVATED MATERIAL (FROM ICE CREAM DR, ALDER DR AND AIRPORT RD) WILL BE USED AS FILL MATERIAL AND / OR TO REGRADE THE ABANDONED SECTION OF AIRPORT RD (VILLAGE PROPERTY)
 2. PLACE EXCAVATED MATERIAL IN 2 LIFTS AND COMPACT.
 3. THE CONTRACTOR SHALL STRIP TOP SOIL TO DEPTH OF MIN 6" ON ALDER DR AND ICE CREAM DR.
 4. TOP SOIL WILL BE STOCKED ON ABANDONED SECTION OF AIRPORT RD AND BE UTILISED FOR RESTORATION. TOP SOIL TO BE UNIFORMLY SPREAD OUT AS THE LAST LIFT.
 5. ADDITIONAL TOP SOIL, SEEDING WITH EROSION BLANKET TO BE PROVIDED BY OTHERS.

FILE NAME =	USER NAME = _USER_	DESIGNED - LV/SS	REVISED -
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PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AIRPORT ROAD PLAN			
STA 1+00 TO STA 12+50			
SCALE: 1"=60'-0"	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	22
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

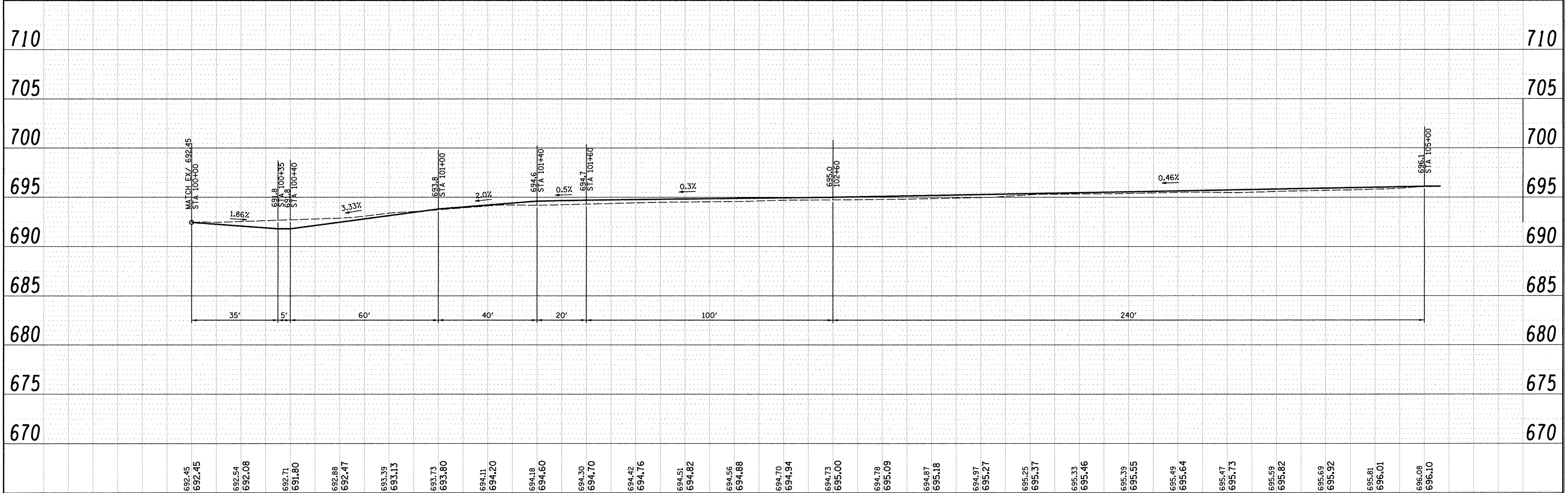


NOTES:

1. THE CONTRACTOR SHALL STRIP TOP SOIL TO DEPTH OF MIN 6" ON ALDER DRIVE AND ICE CREAM DRIVE AND STOCK THE TOP SOIL ON ABANDONED SECTION OF AIRPORT RD (SEE SHEET 22).
2. THE TOP SOIL STORED SHALL BE UTILISED FOR RESTORATION OF ABANDONED SECTION OF AIRPORT ROAD (SEE SHEET 22).
3. PROPOSED SIDEWALK ELEVATIONS SHALL MATCH EXISTING DRIVEWAY ELEVATIONS (VERIFY PRIOR TO CONSTRUCTION)

LEGEND

- ME MATCH EXISTING ELEVATION
- XXX.XX PROPOSED SIDEWALK ELEVATION



692.45	692.45	692.54	692.08	692.71	691.80	692.88	692.47	693.39	693.13	693.73	693.80	694.11	694.20	694.18	694.60	694.30	694.70	694.42	694.76	694.51	694.82	694.56	694.88	694.70	694.94	694.73	695.00	694.78	695.09	694.87	695.18	694.97	695.27	695.25	695.37	695.33	695.46	695.39	695.55	695.49	695.64	695.47	695.73	695.59	695.82	695.69	695.92	695.81	696.01	695.08	696.10						
100+00	+20	+40	+60	+80	101+00	+20	+40	+60	+80	102+00	+20	+40	+60	+80	103+00	+20	+40	+60	+80	104+00	+20	+40	+60	+80	105+00																																

FILE NAME =
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 PLOT DATE = 10/17/2016

DESIGNED - LV/SS
 CHECKED - JB
 DRAWN - LV
 CHECKED - JB

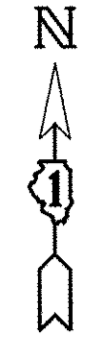
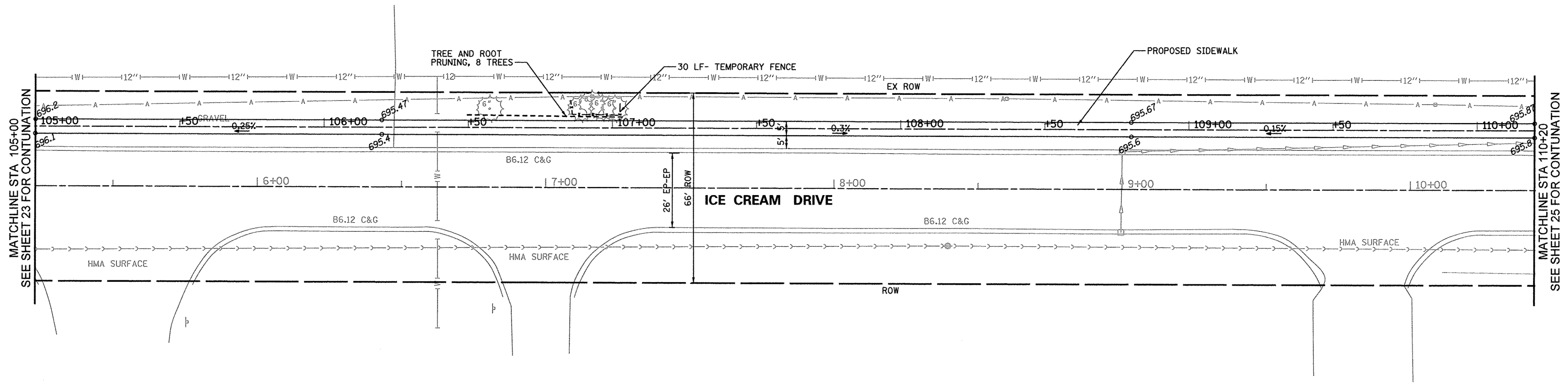
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

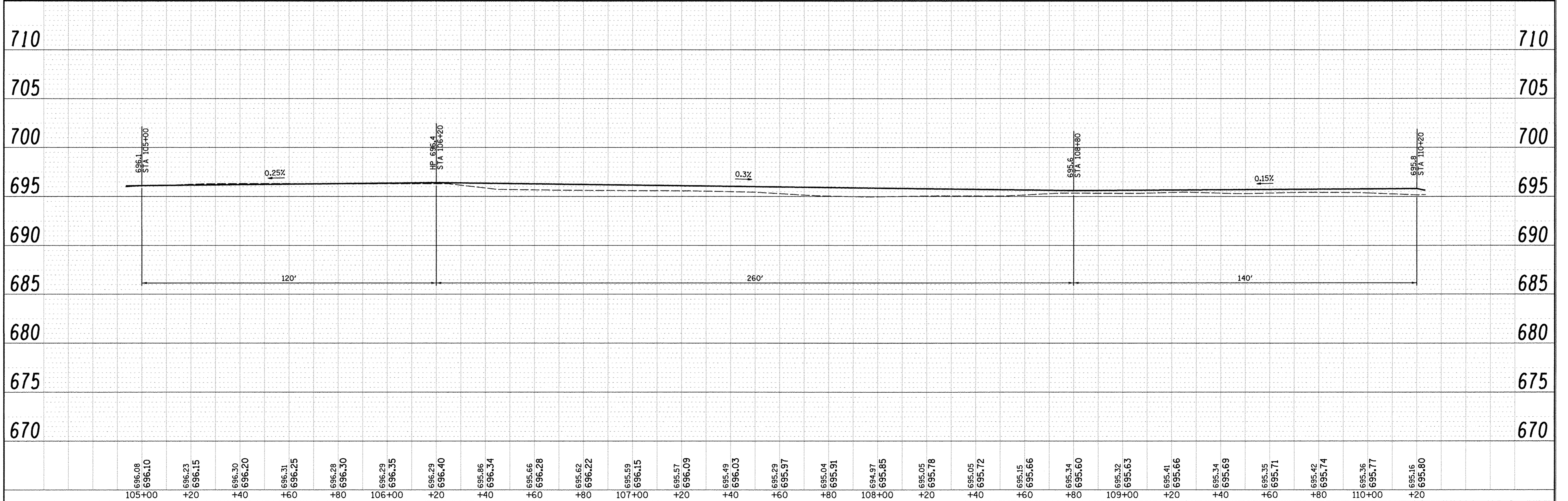
**ICE CREAM DRIVE
 SIDEWALK PLAN AND PROFILE
 STA 100+00 TO STA 105+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	23
CONTRACT NO. 61D30				
ILLINOIS FED. AID PROJECT				

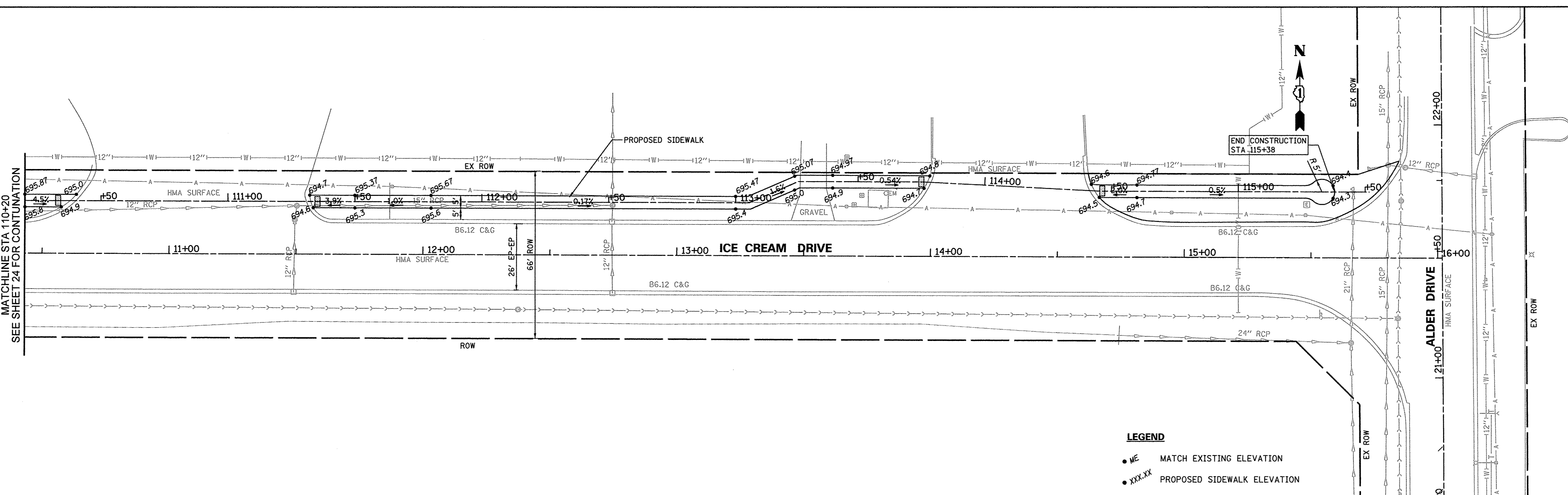


LEGEND
 ○ ME MATCH EXISTING ELEVATION
 ○ XXX.XX PROPOSED SIDEWALK ELEVATION

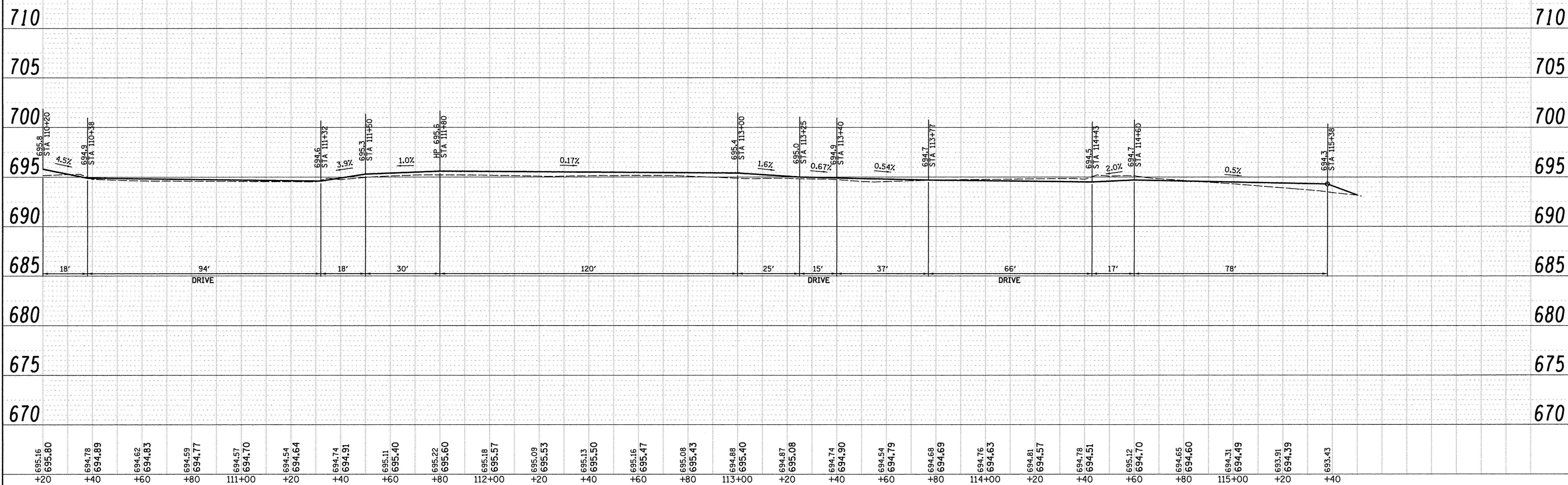


FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ICE CREAM DRIVE SIDEWALK PLAN AND PROFILE STA 105+00 TO STA 110+20				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\dgn\NA\NA536A\p\p\trd.STP\sheet\24.N	1636IceCreamDr-SW02.dgn	CHECKED - JB	REVISIED -		1649	16-00056-00-PV	KANE	61	24				
PLOT SCALE = 20.00 Ft / in.	DRAWN - LV	REVISIED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61D30		
PLOT DATE = 10/17/2016	CHECKED - JB	REVISIED -											

MATCHLINE STA 110+20
SEE SHEET 24 FOR CONTINUATION



LEGEND
 • ME MATCH EXISTING ELEVATION
 • XXX.XX PROPOSED SIDEWALK ELEVATION

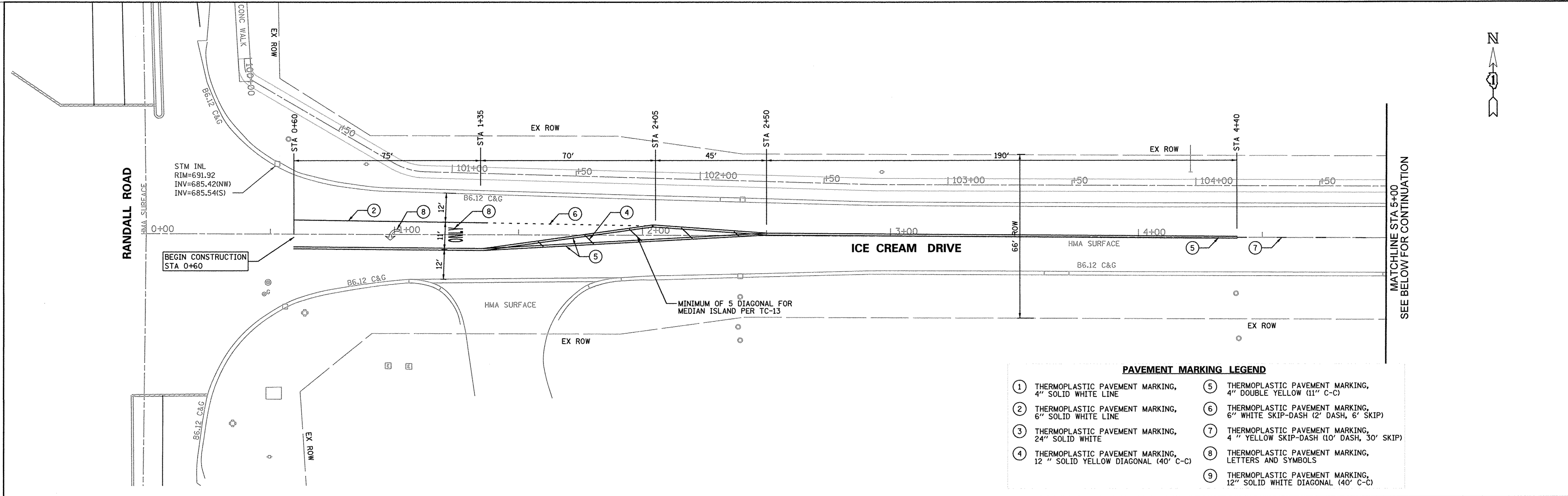


695.16 +20	695.80 +40	694.78 +60	694.89 +80	694.62 111+00	694.83 +20	694.69 694.77 +40	694.57 694.70 +60	694.54 694.64 +80	694.74 694.91 +40	695.11 695.40 +60	695.22 695.60 +80	695.18 695.57 112+00	695.09 695.53 +20	695.13 695.50 +40	695.16 695.47 +60	695.08 695.43 +80	694.88 695.40 113+00	694.87 695.08 +20	694.74 694.90 +40	694.54 694.79 +60	694.68 694.69 +80	694.76 694.63 114+00	694.81 694.57 +20	694.78 694.51 +40	695.12 694.70 +60	694.65 694.60 +80	694.31 694.49 115+00	693.91 694.39 +20	693.43 +40		
FILE NAME =		USER NAME = _USER_		DESIGNED - LV/SS		CHECKED - JB		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -	
N:\dgn\NA\NA536A\report\rd_STP\sheet25_NP536IceCreamDr-SW03.dgn		PLOT SCALE = 20.00 Ft / in.		DRAWN - LV		CHECKED - JB		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -	
PLOT DATE = 10/26/2016																															

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

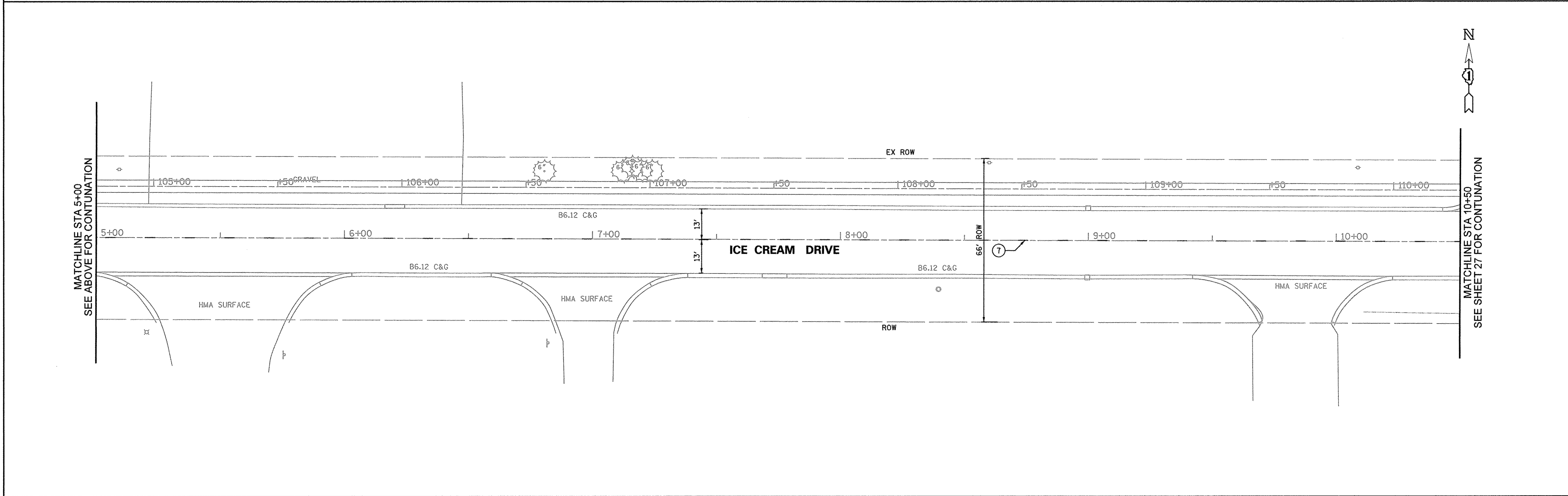
ICE CREAM DRIVE
SIDEWALK PLAN AND PROFILE
STA 110+20 TO STA 115+38

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 25
SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 61D30		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



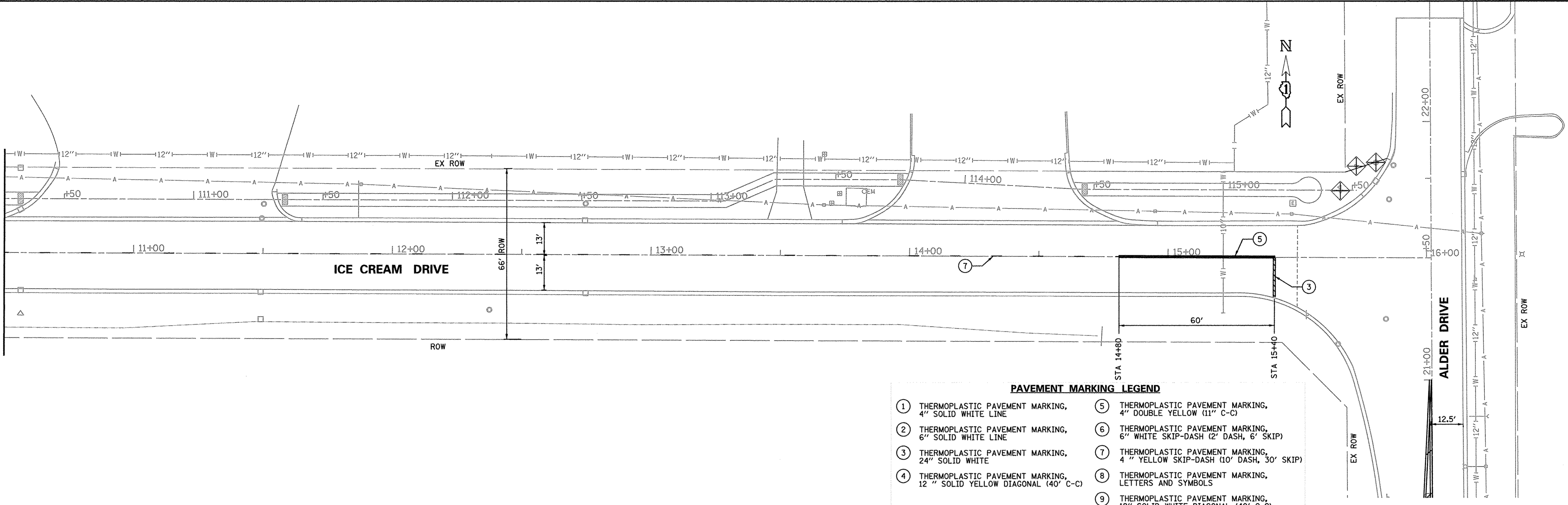
PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11" C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
	⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40' C-C)



FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ICE CREAM DRIVE STRIPING PLAN STA 0+45 TO STA 10+50			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\dgn\NA\N4536A\trpportRd_STP\sheet\26_N4536IceCreamDrStriping01.dgn		CHECKED - JB	REVISED -		1649	16-00056-00-PV	KANE	61	26	CONTRACT NO. 61D30		
PLOT SCALE = 20.00 Ft / in.		DRAWN - LV	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -									

MATCHLINE STA 10+50
SEE SHEET 26 FOR CONTINUATION



PAVEMENT MARKING LEGEND

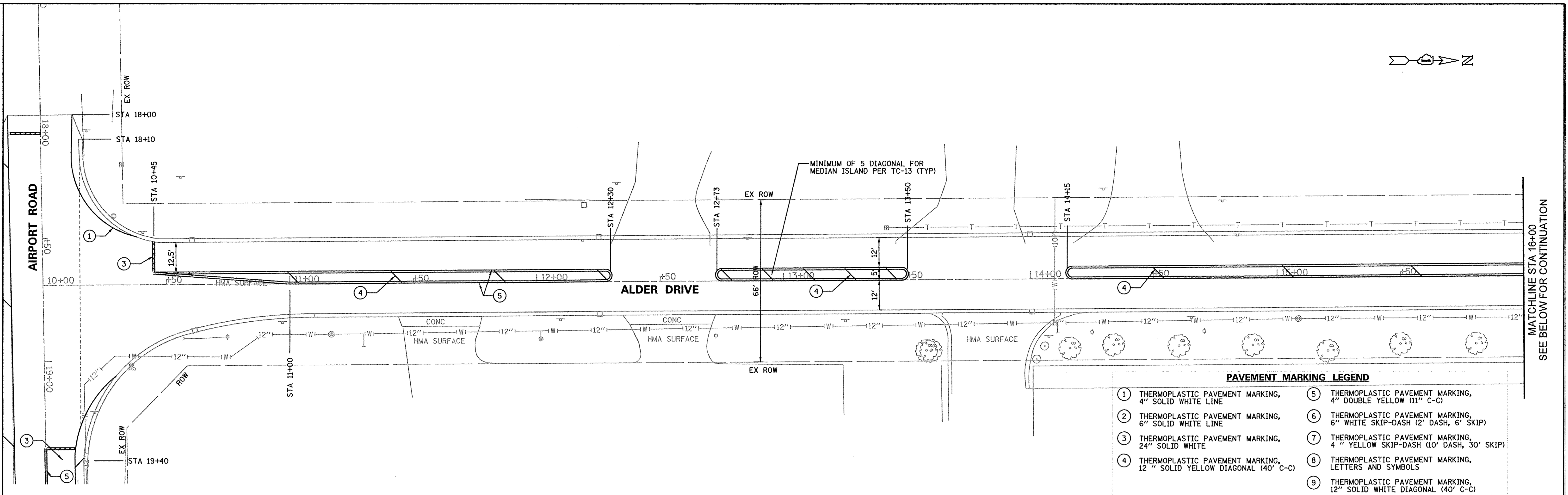
① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11' C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
	⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40' C-C)

FILE NAME = N:\dgn\NA\NA536A\ripportrd_STP\sheet\27_NA536IceCreamDrStriping02.dgn	USER NAME = _USER_	DESIGNED - LV/SS	REVISED -
PLOT SCALE = 20.00 ft / in.	DRAWN - LV	CHECKED - JB	REVISED -
PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

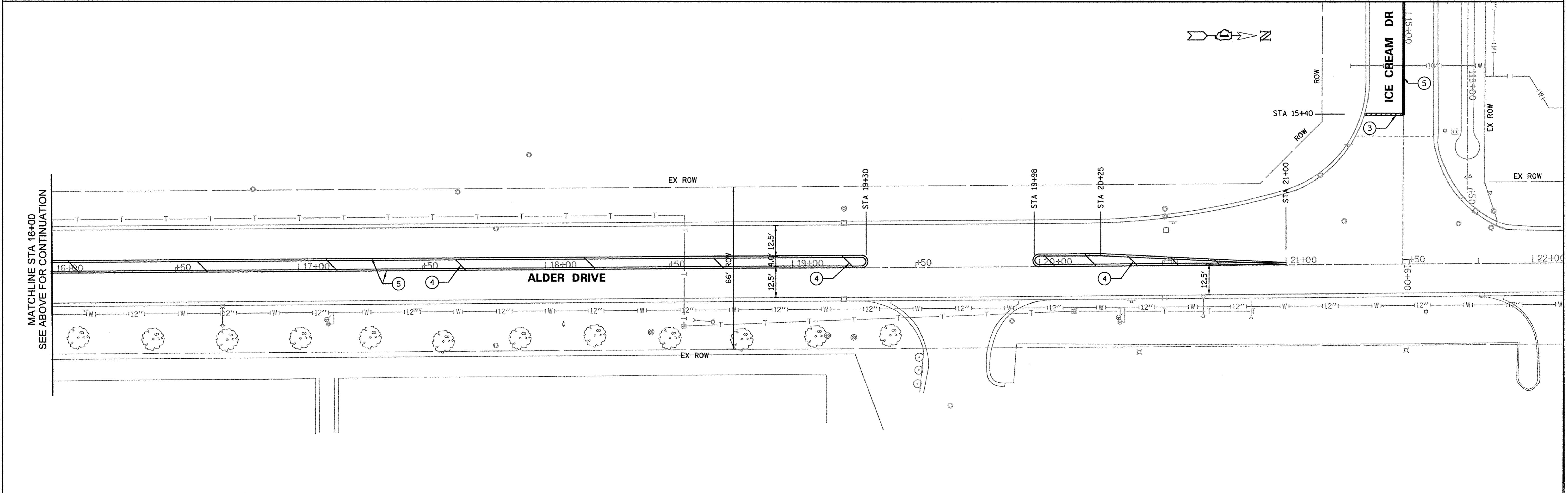
ICE CREAM DRIVE STRIPING PLAN STA 10+50 TO STA 15+50			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 27
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D30				

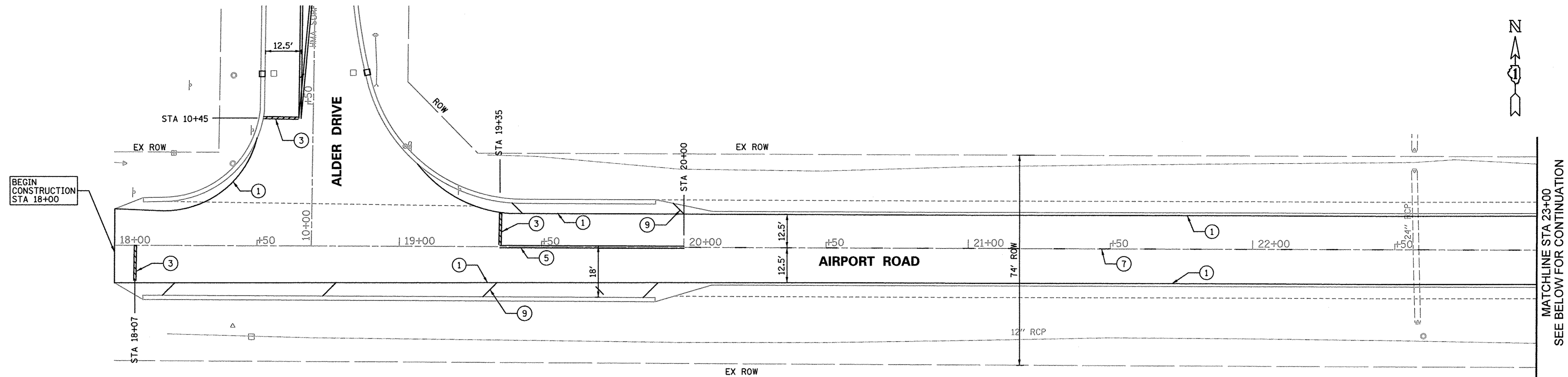


PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11" C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
	⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40' C-C)



FILE NAME =	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALDER DRIVE STRIPING PLAN STA 10+12 TO STA 21+90	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\dgn\NA\NA536A\trpor\trd\STP\sheet\28.N	36A\AlderDriveStriping.dgn	CHECKED - JB	REVISED -			1649	16-00056-00-PV	KANE	61	28	
	PLOT SCALE = 20.00 Ft / in.	DRAWN - LV	REVISED -			CONTRACT NO. 61D30					
	PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -			ILLINOIS FED. AID PROJECT					

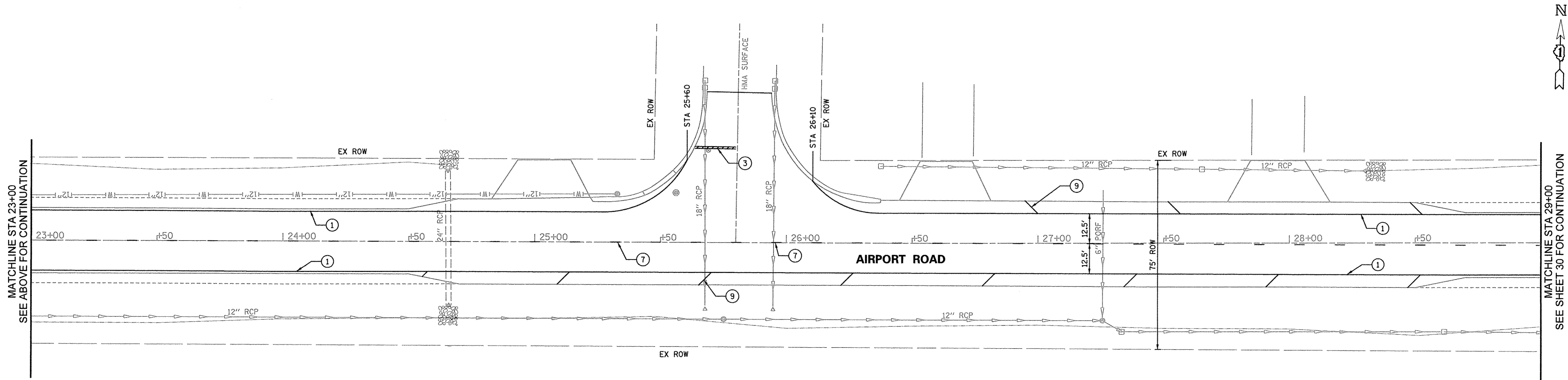


BEGIN CONSTRUCTION STA 18+00

MATCHLINE STA 23+00
SEE BELOW FOR CONTINUATION

PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11" C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
	⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40' C-C)



MATCHLINE STA 23+00
SEE ABOVE FOR CONTINUATION

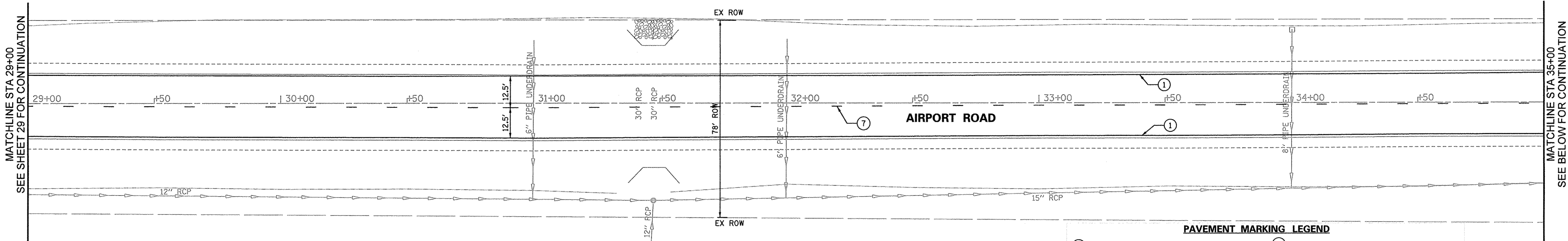
MATCHLINE STA 29+00
SEE SHEET 30 FOR CONTINUATION

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PLOT SCALE = 20.00 ft / in.		DRAWN - LV	REVISED -
PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

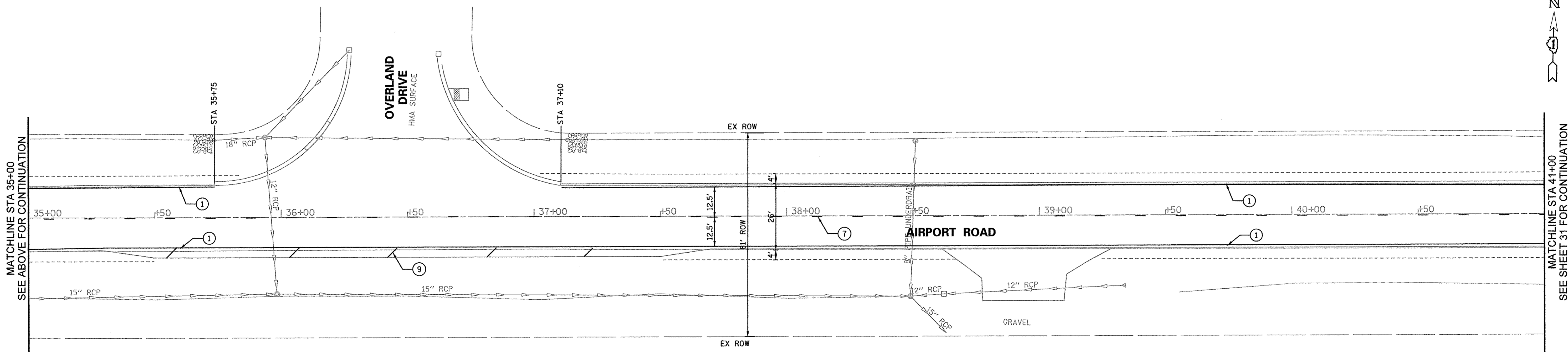
AIRPORT ROAD STRIPING PLAN STA 17+00 TO STA 29+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	29
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D30				



PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (75' C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW
③ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
④ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑨ THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE LINE
⑤ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)	



FILE NAME =	USER NAME = _USER_	DESIGNED - LV/SS	REVISED -
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	PLOT DATE = 10/17/2016	CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

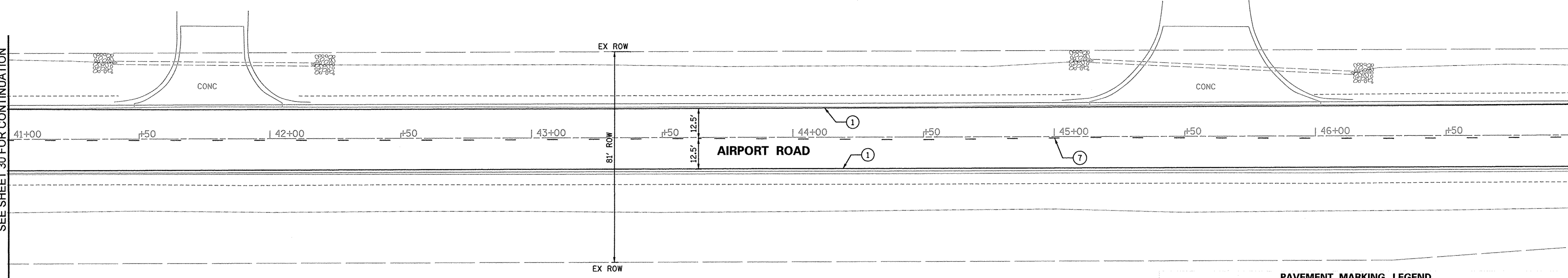
AIRPORT ROAD STRIPING PLAN STA 29+00 TO STA 41+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D30	



MATCHLINE STA 41+00
SEE SHEET 30 FOR CONTINUATION

MATCHLINE STA 47+00
SEE BELOW FOR CONTINUATION

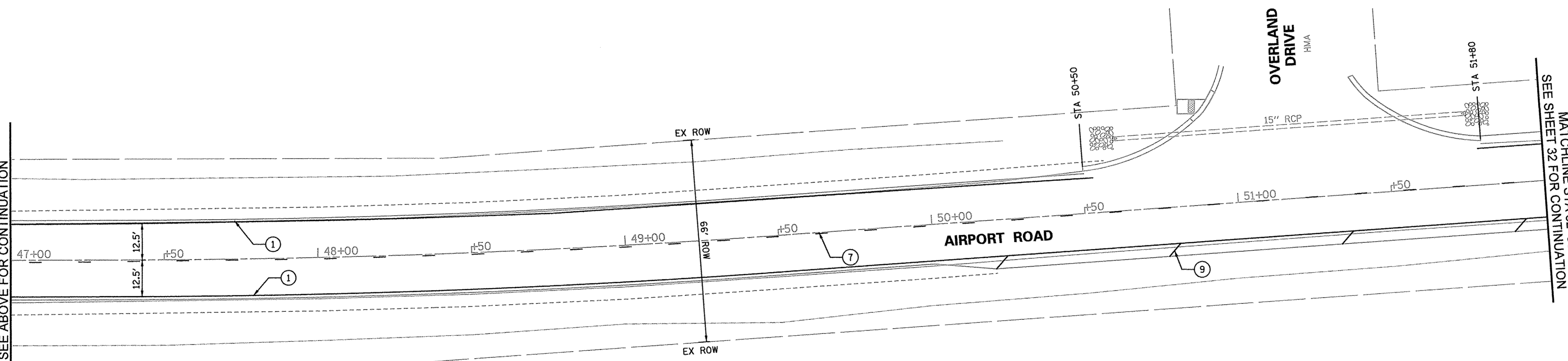


PAVEMENT MARKING LEGEND

- | | |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE | ⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11' C-C) |
| ② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE | ⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP) |
| ③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE | ⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP) |
| ④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C) | ⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS |
| | ⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40' C-C) |

MATCHLINE STA 47+00
SEE ABOVE FOR CONTINUATION

MATCHLINE STA 52+00
SEE SHEET 32 FOR CONTINUATION

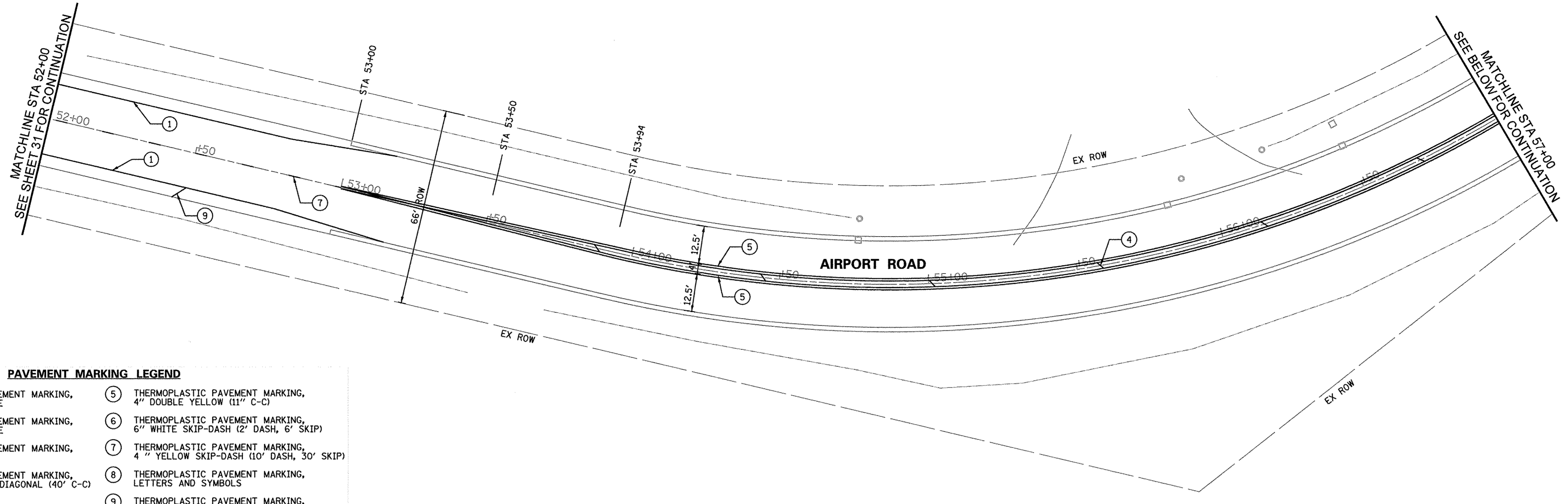


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PLOT DATE = 10/17/2016		CHECKED - JB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

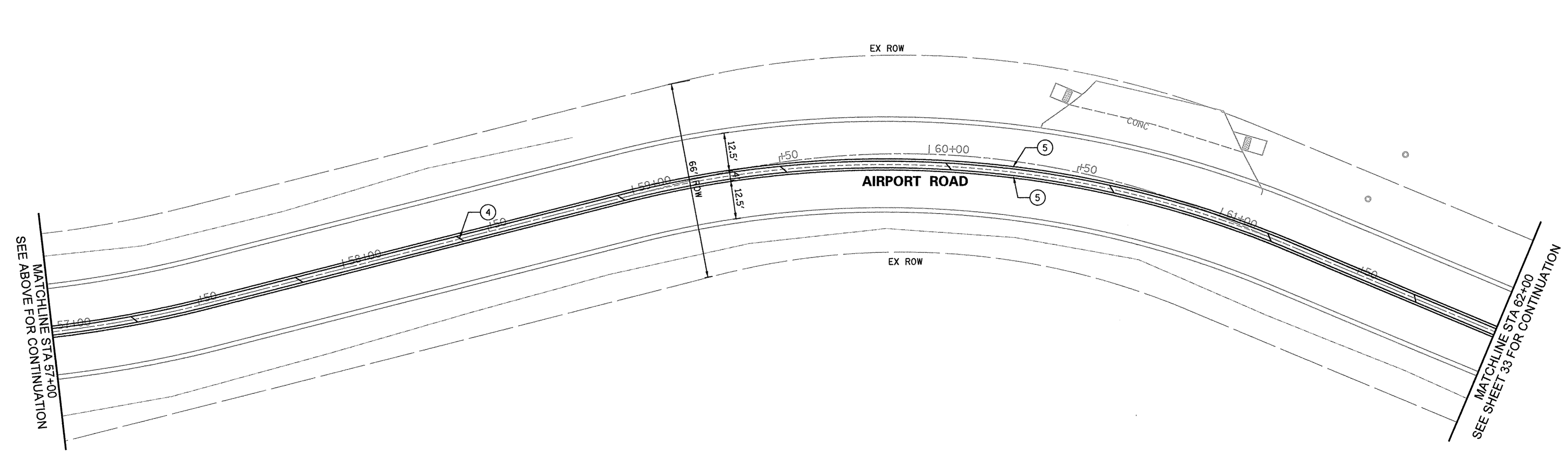
AIRPORT ROAD STRIPING PLAN STA 41+00 TO STA 52+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	31
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61D30				



PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11" C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2" DASH, 6" SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40° C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
	⑨ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE DIAGONAL (40° C-C)

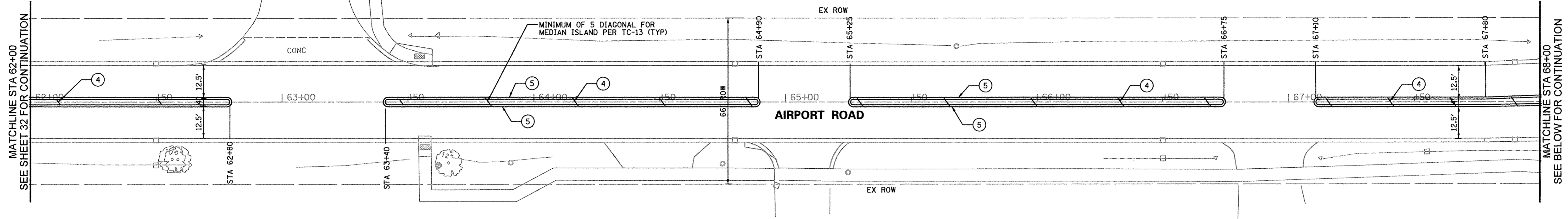


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

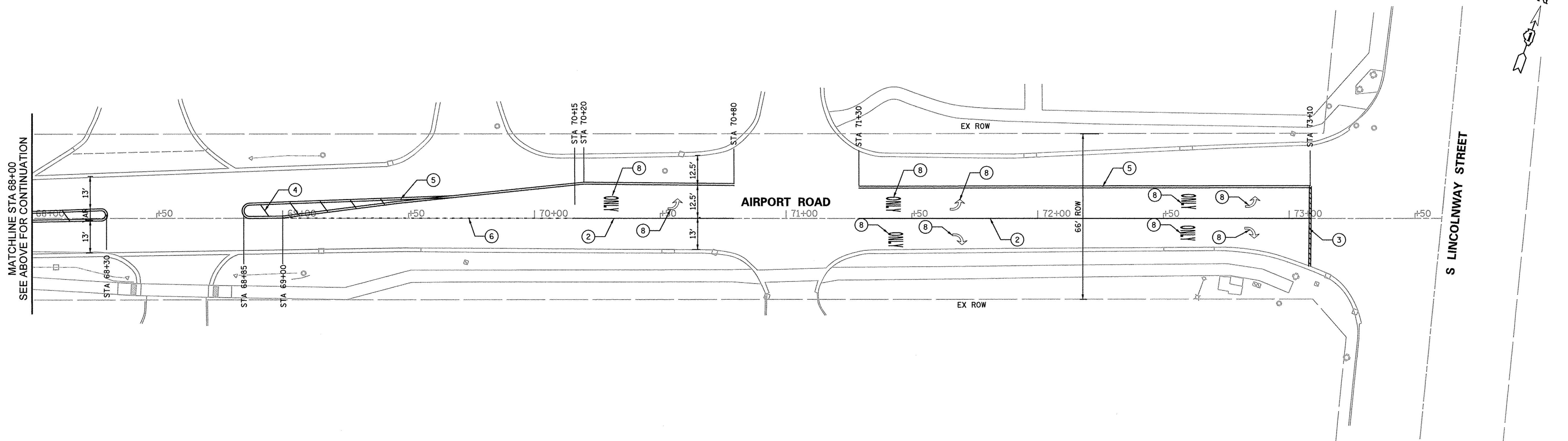
AIRPORT ROAD STRIPING PLAN STA 52+00 TO STA 62+00				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	32
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE LINE	⑤ THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW (11" C-C)
② THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE SKIP-DASH (2' DASH, 6' SKIP)
③ THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE	⑦ THERMOPLASTIC PAVEMENT MARKING, 4" YELLOW SKIP-DASH (10' DASH, 30' SKIP)
④ THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL (40' C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

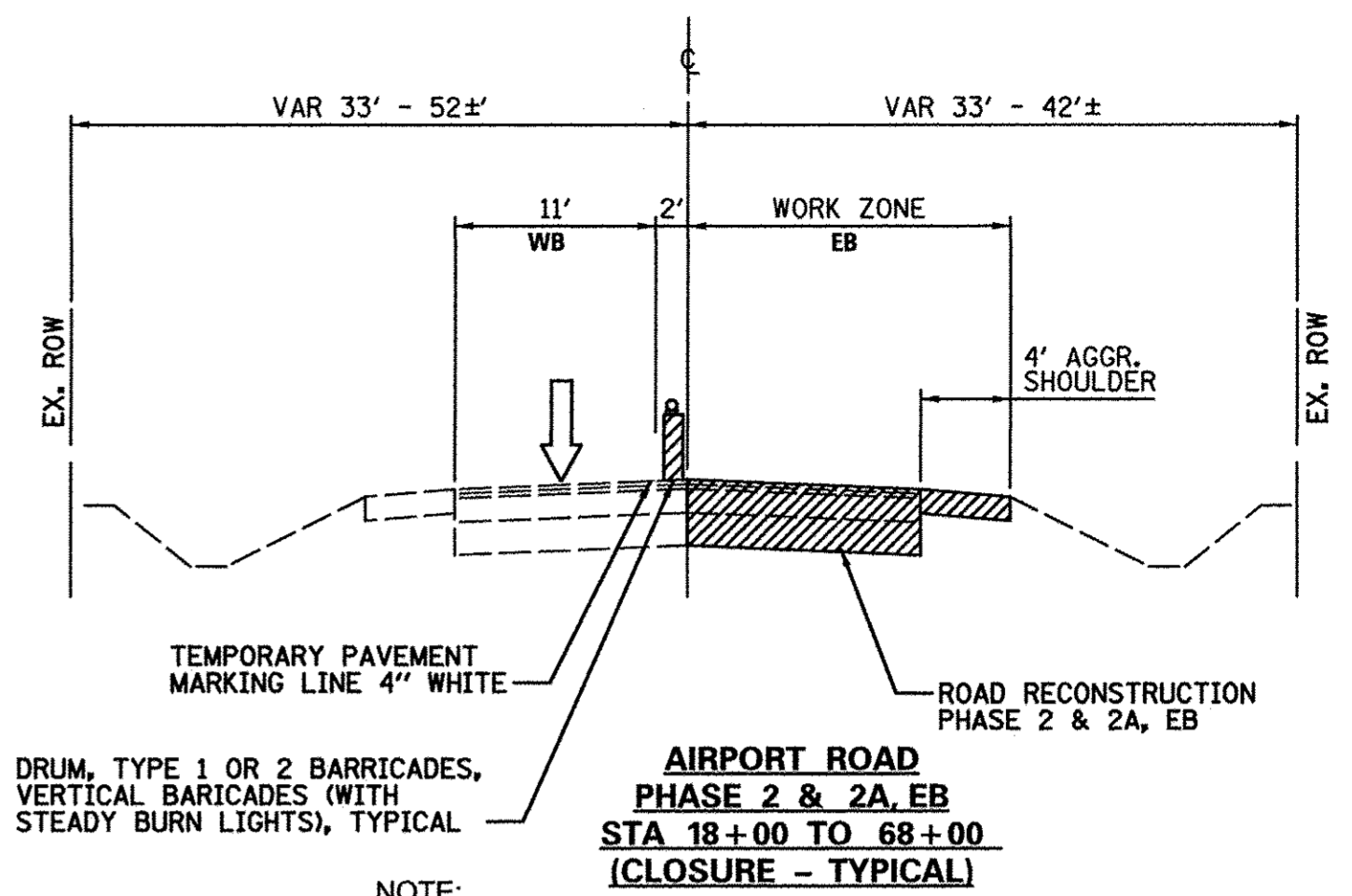
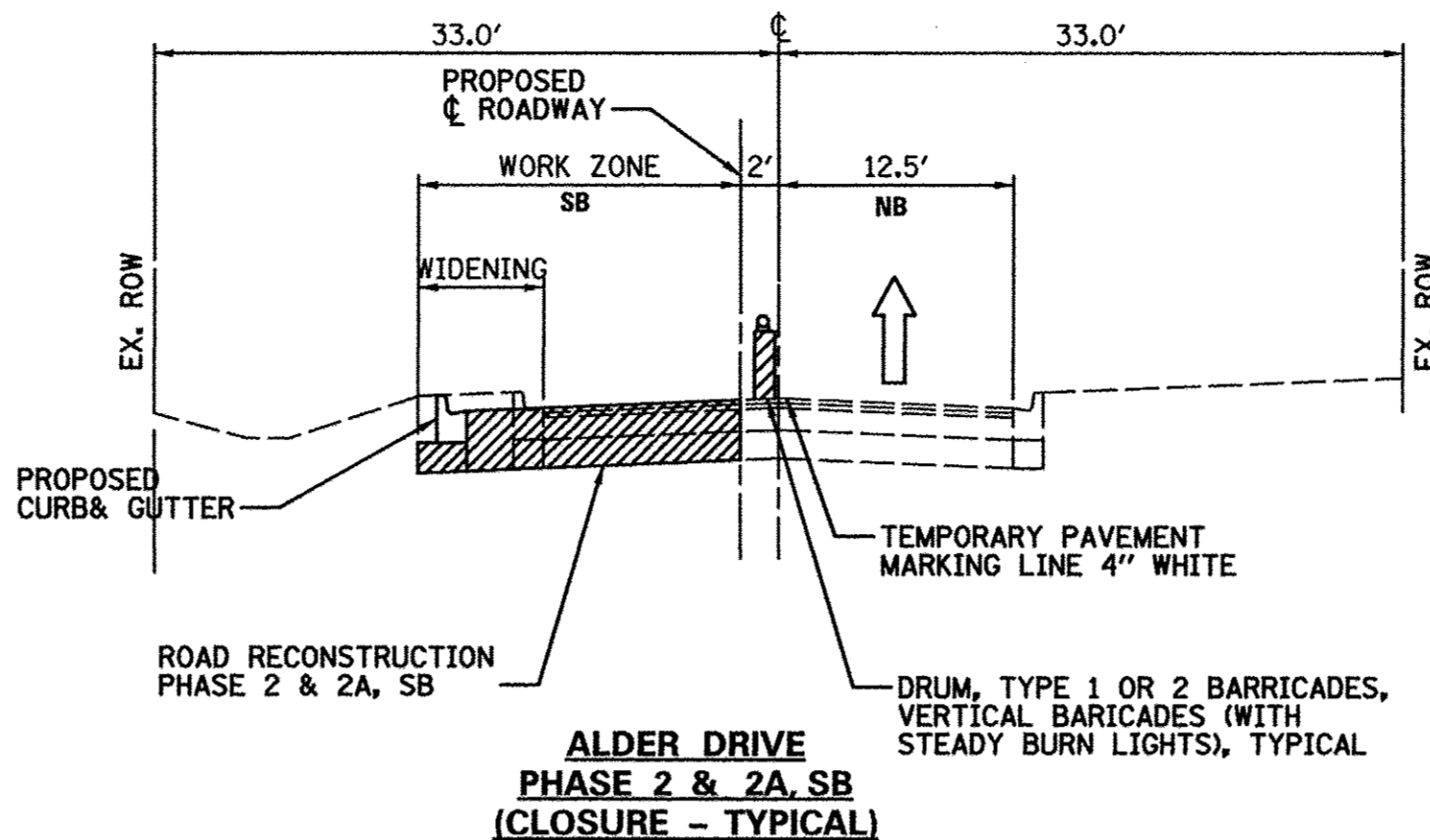
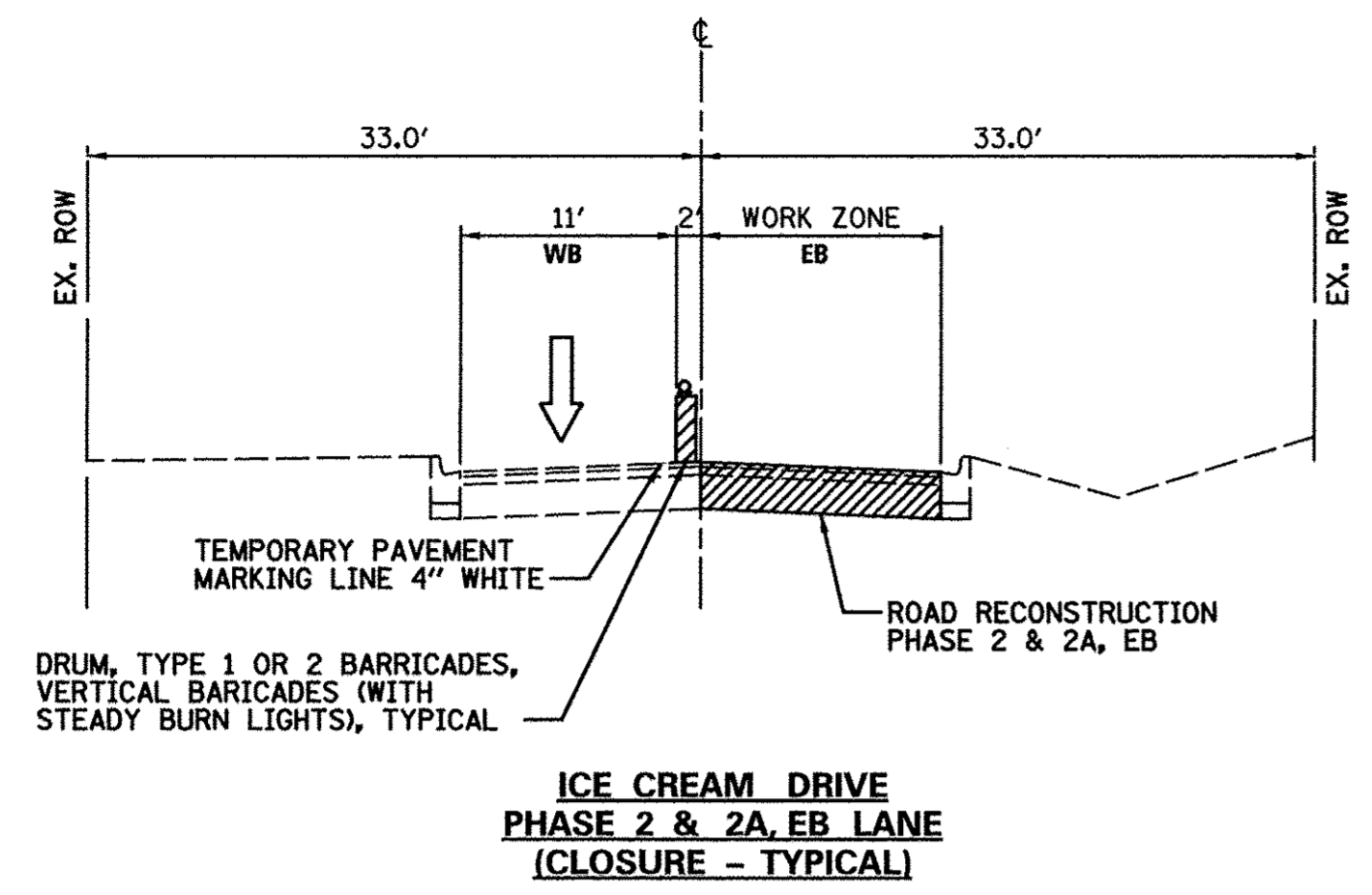


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		DRAWN - LV	REVISED -
		CHECKED - JB	REVISED -

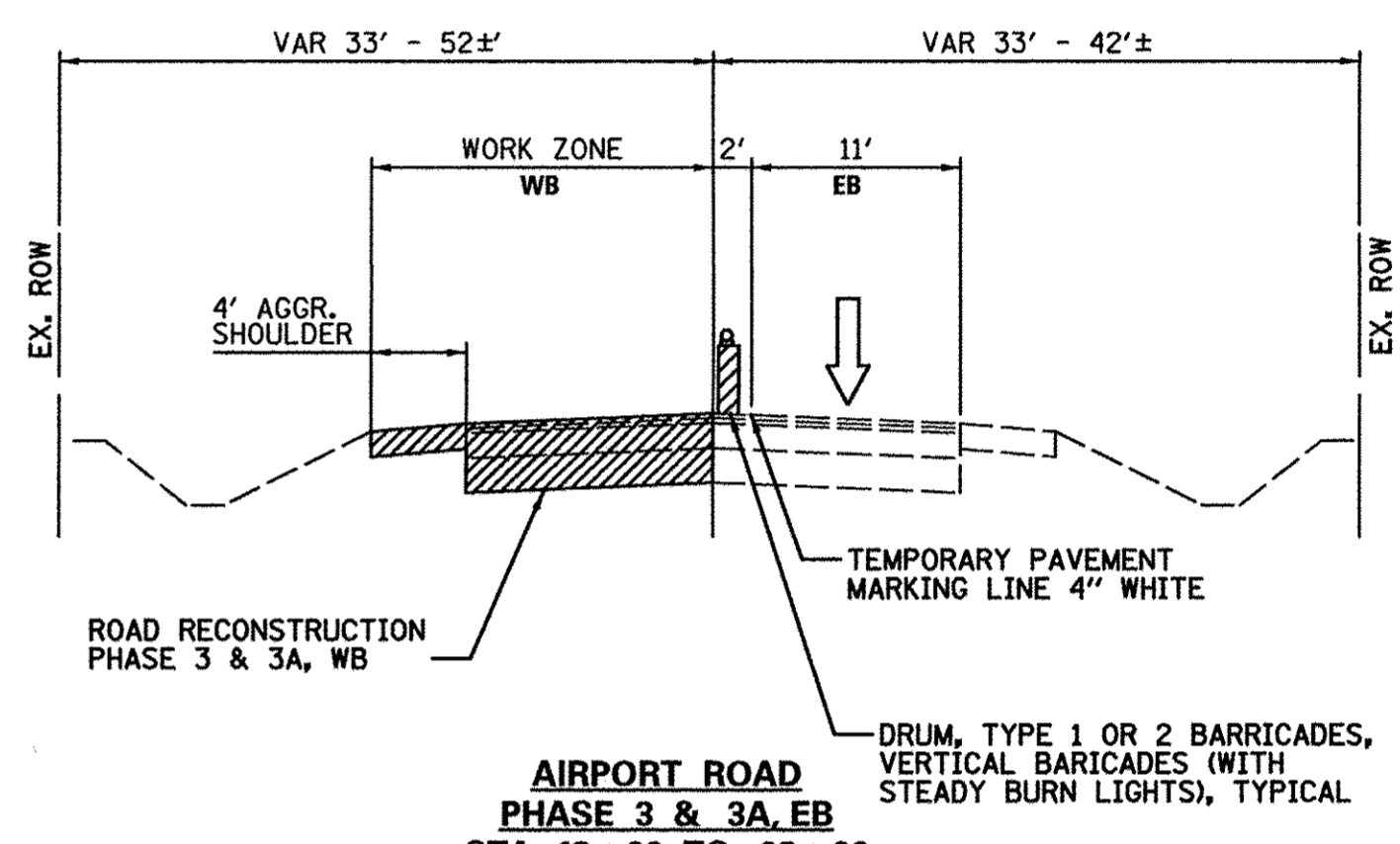
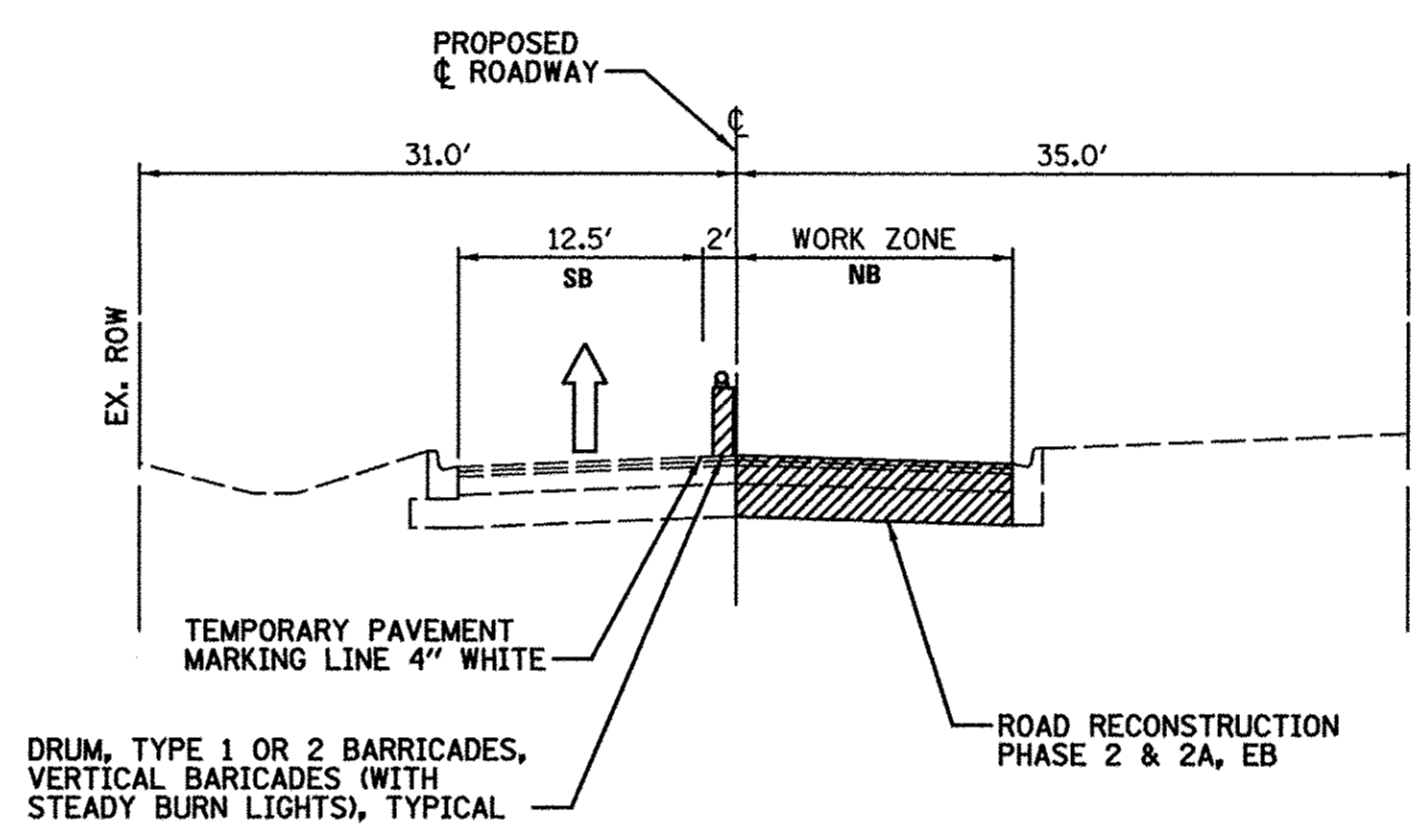
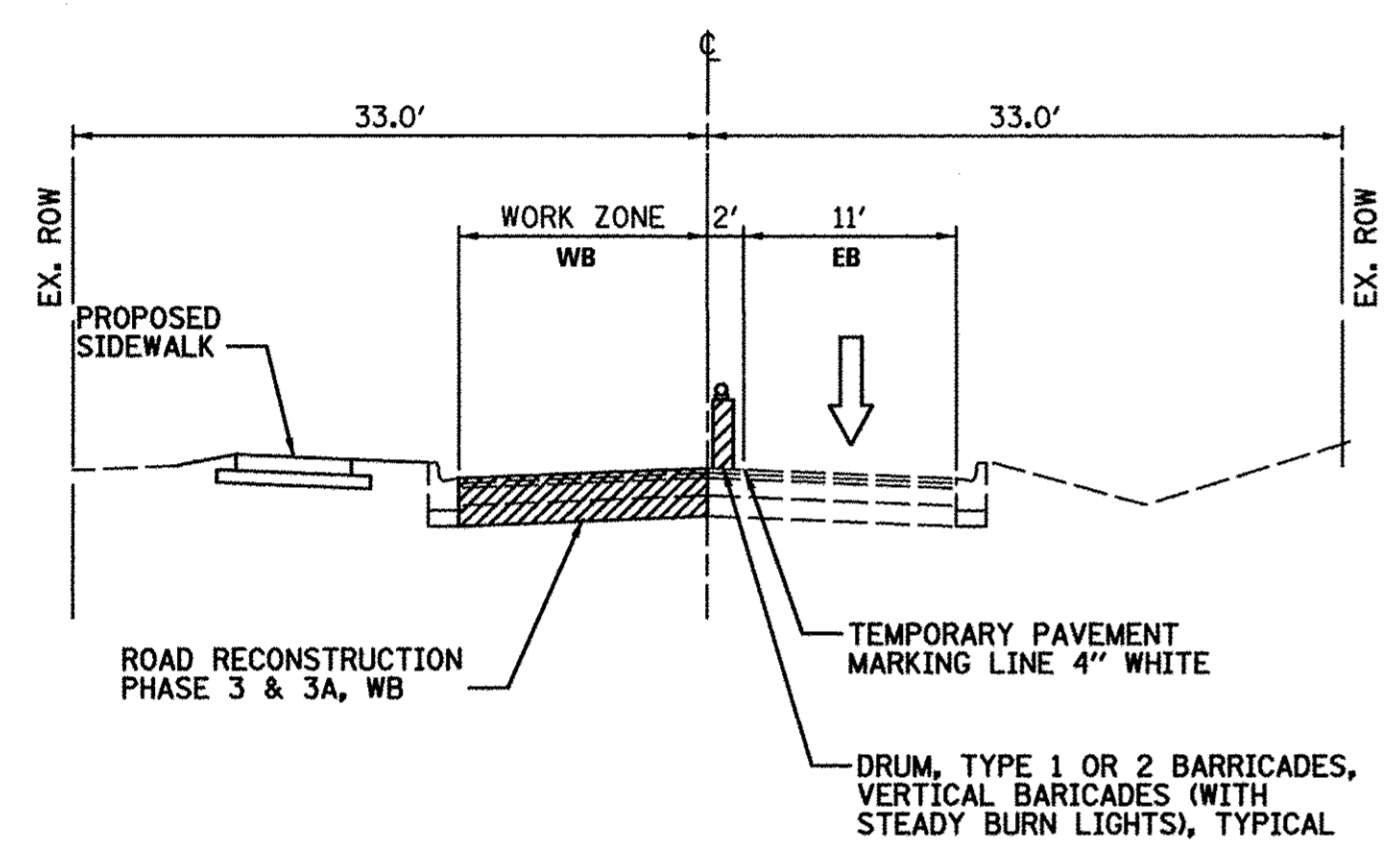
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD STRIPING PLAN STA 62+00 TO STA 73+10			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

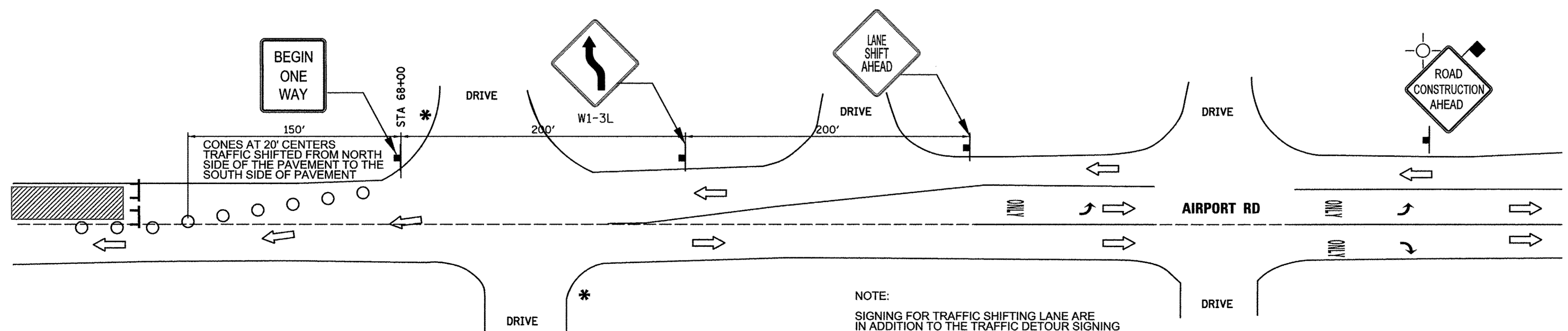
F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 33
CONTRACT NO. 61D30				
ILLINOIS FED. AID PROJECT				



NOTE:
PHASE 2 & 2A, STA 37+00 TO STA 50+50;
FULL CLOSURE TO THROUGH TRAFFIC
(SEE SHEET 3 AND 7)



NOTE:
2-WAY TRAFFIC TO BE MAINTAINED AT ALL TIME
DURING REM & REPLACE OF 2\"/>



- LEGEND:**
- - DRUM OR BARRICADE
 - ⌈ - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
 - ⊥ - TEMPORARY CONSTRUCTION SIGN
 - ← - TRAFFIC FLOW / DETOUR ROUTE
 - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5
* (AS APPROPRIATE PER CONSTRUCTION PHASE)
 - ▨ - WORK ZONE

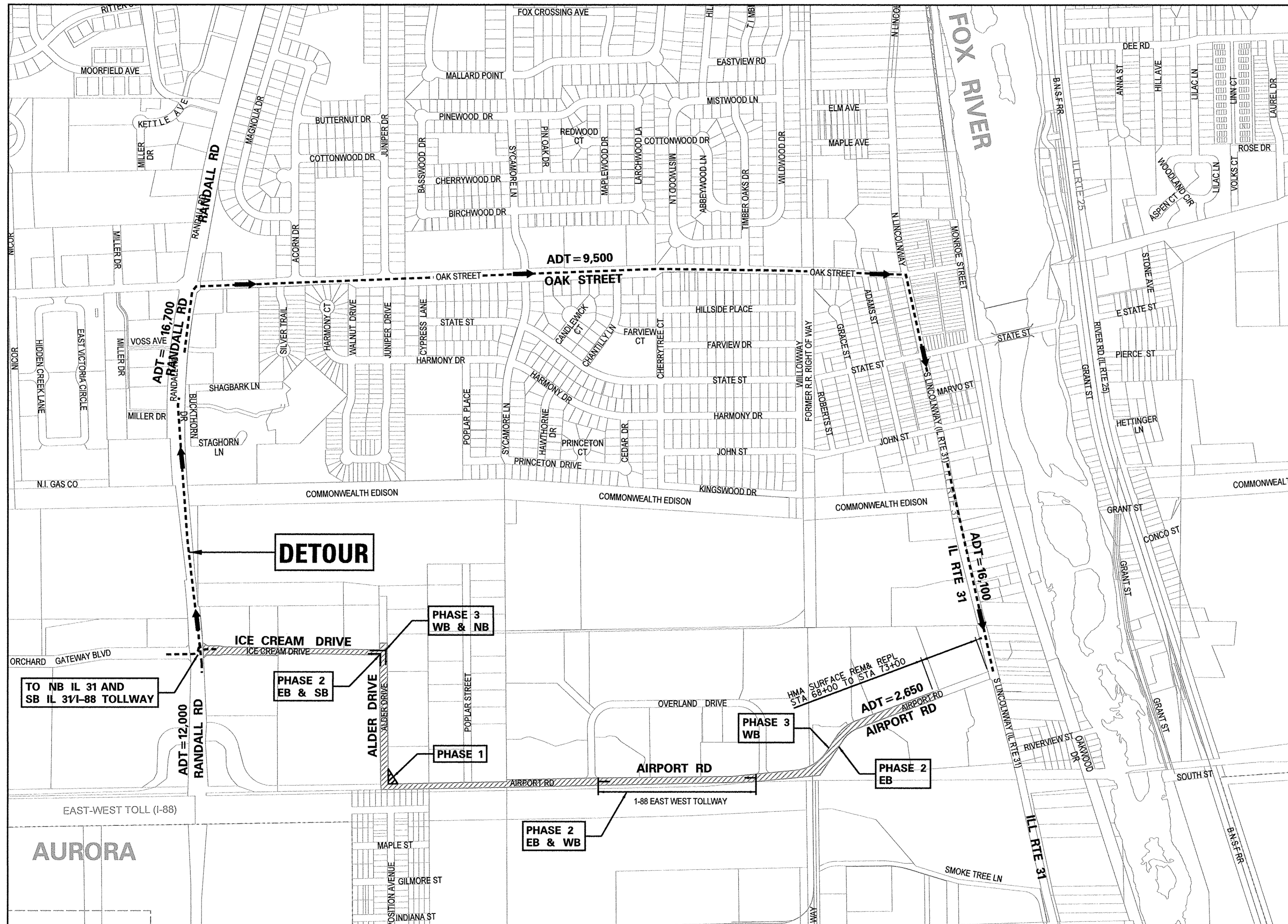
TRAFFIC LANE SHIFT DETAIL
(FROM NORTH SIDE TO THE SOUTH SIDE OF THE PAVEMENT)
ON AIRPORT AT STA 68+00

FILE NAME =	USER NAME = _USER_	DESIGNED - LV/SS	REVISED -
N:\dgn\NA\NA536A\report\rd.STP\sheet\34_NF536Details-Phase 2&3.dgn		CHECKED - JB	REVISED -
	PLOT SCALE = 10.00 Ft / in.	DRAWN - LV	REVISED -
	PLOT DATE = 11/2/2016	CHECKED - JB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC			
DETOUR /SUGGESTED STAGING PLAN			
NOTES AND DETAILS			
SCALE:	SHEET NO. 42 OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	34
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DETOUR ROUTE CAPACITY ANALYSIS: PHASE 2 & 3

UNDER DETOUR CONDITIONS, ONE-HALF OF ICE CREAM DRIVE, ALDER DRIVE AND AIRPORT ROAD, TRAFFIC WILL BE DETOURED.

WESTBOUND TRAFFIC WILL BE MAINTAINED THROUGH THE PROJECT SITE (1- LANE, WESTBOUND)

- * FOR 1/2 OF ICE CREAM DRIVE, ALDER DRIVE AND AIRPORT RD, ADT=1,325
- * APPROXIMATE CAPACITY OF IL RT 31 = 44, 000 (OR 11,000/ LANE OVER 4 LANES)
- * FOR 1/2 OF IL ROUTE 31 ADT, (i.e. SB) = 8,050
- * FOR 1/2 ICE CREAM DRIVE, ALDER DRIVE AND AIRPORT ROAD PLUS 1/2 IL ROUTE 31 RESULT (1,325 + 8,050) = 9,375

NOTE: AS SHOWN ABOVE, IL ROUTE 31 CAPACITY IS ADEQUATE TO ACCOMMODATE DETOUR

SOURCE OF ADT'S:

www.dot.illinois.gov/gettingaroundillinois/ (1/8/2016)

SUGGESTED STAGING PLAN:

OPTION I:

- PHASE 1: CONSTRUCT WIDENING AT SE CORNER OF ALDER DRIVE AND AIRPORT ROAD (DETOUR NOT REQUIRED) USING STANDARDS: 701006, 701001, 701501, TC-10.
- PHASE 2: ROAD RECONSTRUCTION, EB AND SB FROM RANDALL ROAD TO AIRPORT ROAD STA 68+00 AND EB&WB ON AIRPORT ROAD STA 37+00 TO STA 50 +50 (DETOUR REQUIRED - SEE SHEET 36)
- PHASE 3: ROAD RECONSTRUCTION, WB AND NB FROM RANDALL ROAD TO AIRPORT ROAD STA 68+00 (DETOUR REQUIRED - SEE SHEET 37)
- PHASE 4: CONSTRUCT HMA SURFACE COURSE AND FINAL RESTORATION, OVERALL (DETOUR NOT REQUIRED) USING STANDARDS: 701301, 701311, 701501, TC-10, TC-13, TC-16, TC-22.

OPTION II:

- PHASE 1: CONSTRUCT WIDENING AT SE CORNER OF ALDER DRIVE AND AIRPORT ROAD (DETOUR NOT REQUIRED) USING STANDARDS: 701001, 701006, 701501, TC-10.
- PHASE 2A: ROAD RECONSTRUCTION, EB AND SB FROM RANDALL ROAD TO POPLAR STREET AND EB&WB ON AIRPORT ROAD STA 37+00 TO STA 50 +50 (DETOUR REQUIRED - SEE SHEET 38)
- PHASE 3A: ROAD RECONSTRUCTION, WB AND NB FROM RANDALL ROAD TO POPLAR STREET (DETOUR REQUIRED - SEE SHEET 39)
- PHASE 2B: ROAD RECONSTRUCTION, EB ON AIRPORT ROAD FROM POPLAR STREET TO STA 37+00 AND FROM STA 50 +50 TO STA 68+00 (DETOUR REQUIRED - SEE SHEET 40)
- PHASE 3B: ROAD RECONSTRUCTION, WB ON AIRPORT ROAD FROM POPLAR STREET TO STA 37+00 AND FROM STA 50 +50 TO STA 68+00 (DETOUR REQUIRED - SEE SHEET 41)
- PHASE 4: INSTALL HMA SURFACE COURSE AND FINAL RESTORATION, OVERALL (DETOUR NOT REQUIRED), 2-WAY TRAFFIC TO BE MAINTAINED AT ALL TIME DURING HMA SURFACING ON AIRPORT ROAD STA 68+00 TO STA 73+10 (FLAGGERS REQ'D)

ROAD IMPROVEMENTS:

1. ICE CREAM DR: THE WORK CONSISTS OF MILLING OF 9 1/2" OF EXISTING PAVEMENT TO BE REPLACED WITH 7 1/2" HMA BINDER AND 2" SURFACE, SIDEWALK, CURB & GUTTER, STRIPING AND RELATED RESTORATION.
2. ALDER DRIVE: THE WORK CONSISTS OF MILLING OF 9 1/2" OF EXISTING PAVEMENT TO BE REPLACED WITH 7 1/2" HMA BINDER AND 2" SURFACE, WIDENING WEST SIDE, CURB & GUTTER, STRIPING AND RELATED RESTORATION.
3. AIRPORT ROAD: THE WORK CONSISTS OF MILLING OF 11 1/4" OF EXISTING PAVEMENT TO BE REPLACED WITH 9 1/2" HMA BINDER AND 2" SURFACE (STA 18+00 TO STA 68+00). MILLING OF 2" OF EXISTING HMA SURFACE TO BE REPLACED WITH 2" SURFACE (STA 68+00 TO STA 73+10). WIDENING SHOULDER WITH CURB & GUTTER AT VARIOUS LOCATION, AGGREGATE SHOULDER STRIPING AND RELATED RESTORATION.

ONE WAY DETOUR ROUTE

SCALE: 1"=500'

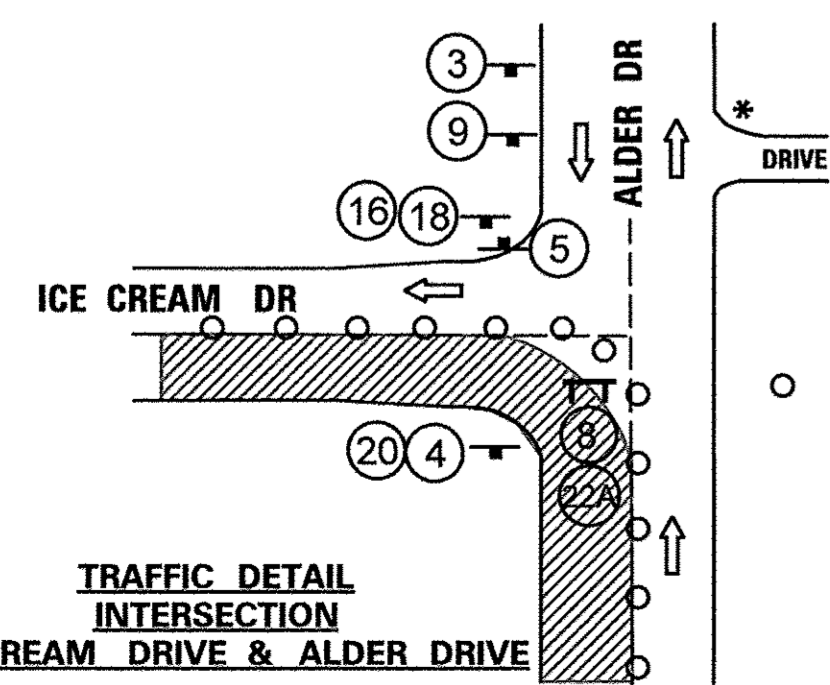
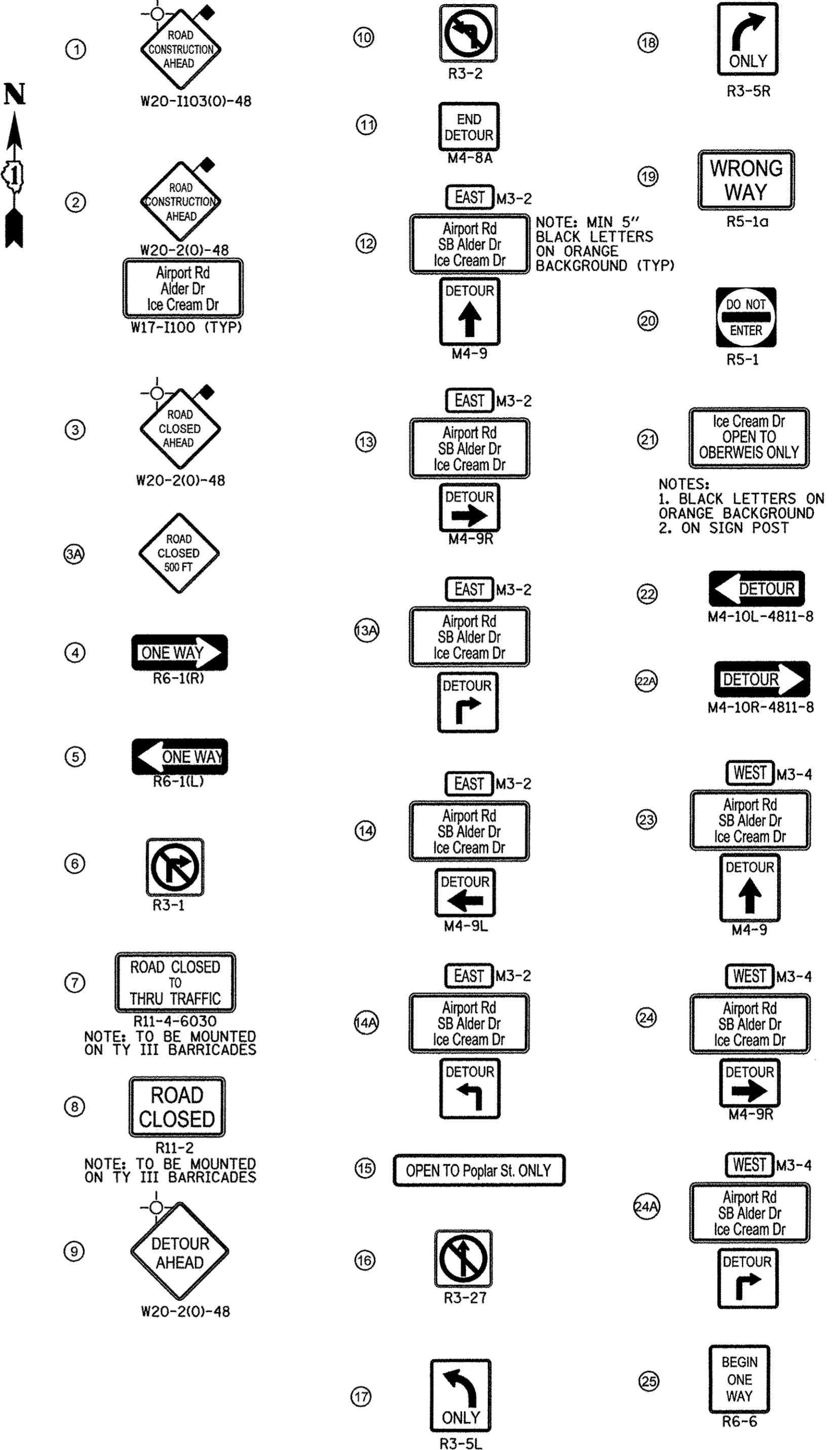
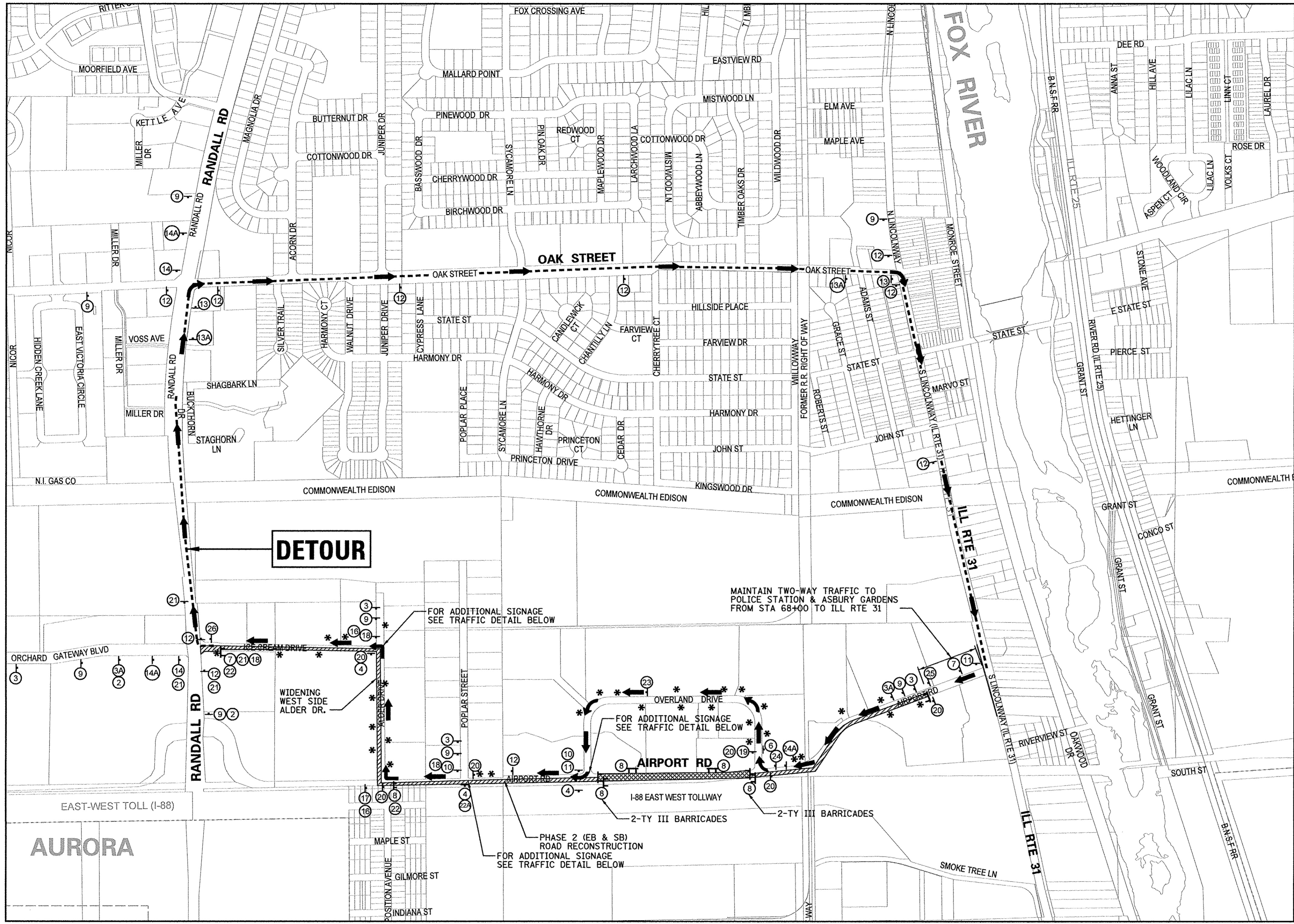
WORK ZONE

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PLOT DATE = 11/2/2016		CHECKED -	REVISED -

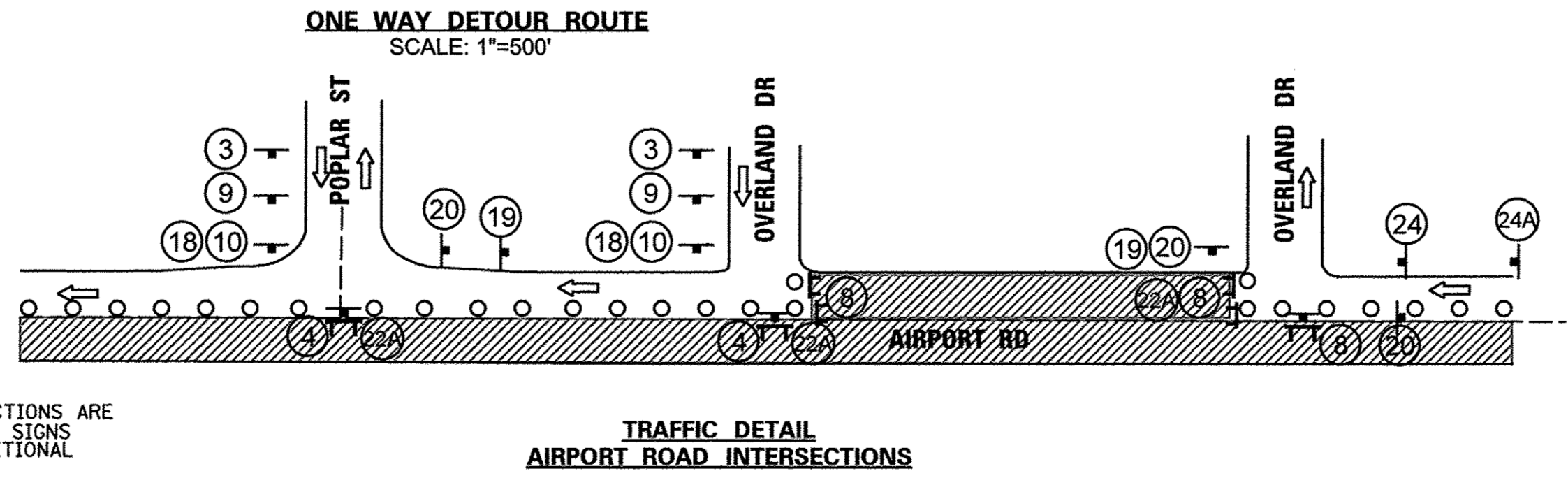
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC DETOUR /SUGGESTED STAGING PLAN PHASE 1 AND 4			
SCALE:	SHEET NO. 35 OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	35
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D30	



NOTES:
 1. SIGNS 16, 18, 19 TO BE MOUNTED OVER TYPE III BARRICADES
 2. SIGNING FOR TRAFFIC AT INTERSECTIONS ARE IN ADDITION TO THE TRAFFIC DETOUR SIGNS
 3. THE CONTRACTOR TO PROVIDE ADDITIONAL SIGNAGE AS NEEDED

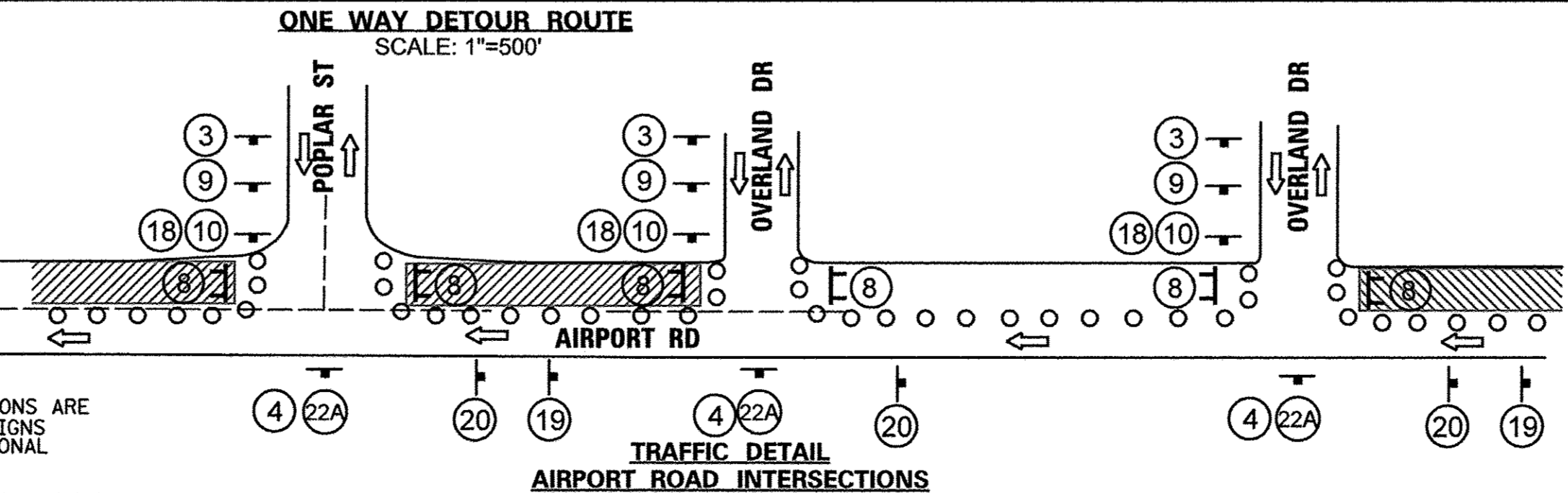
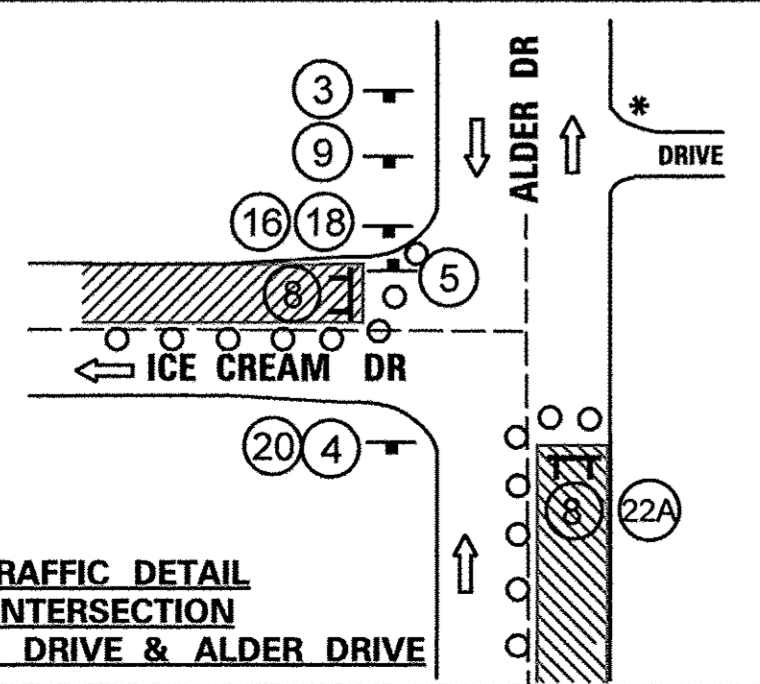
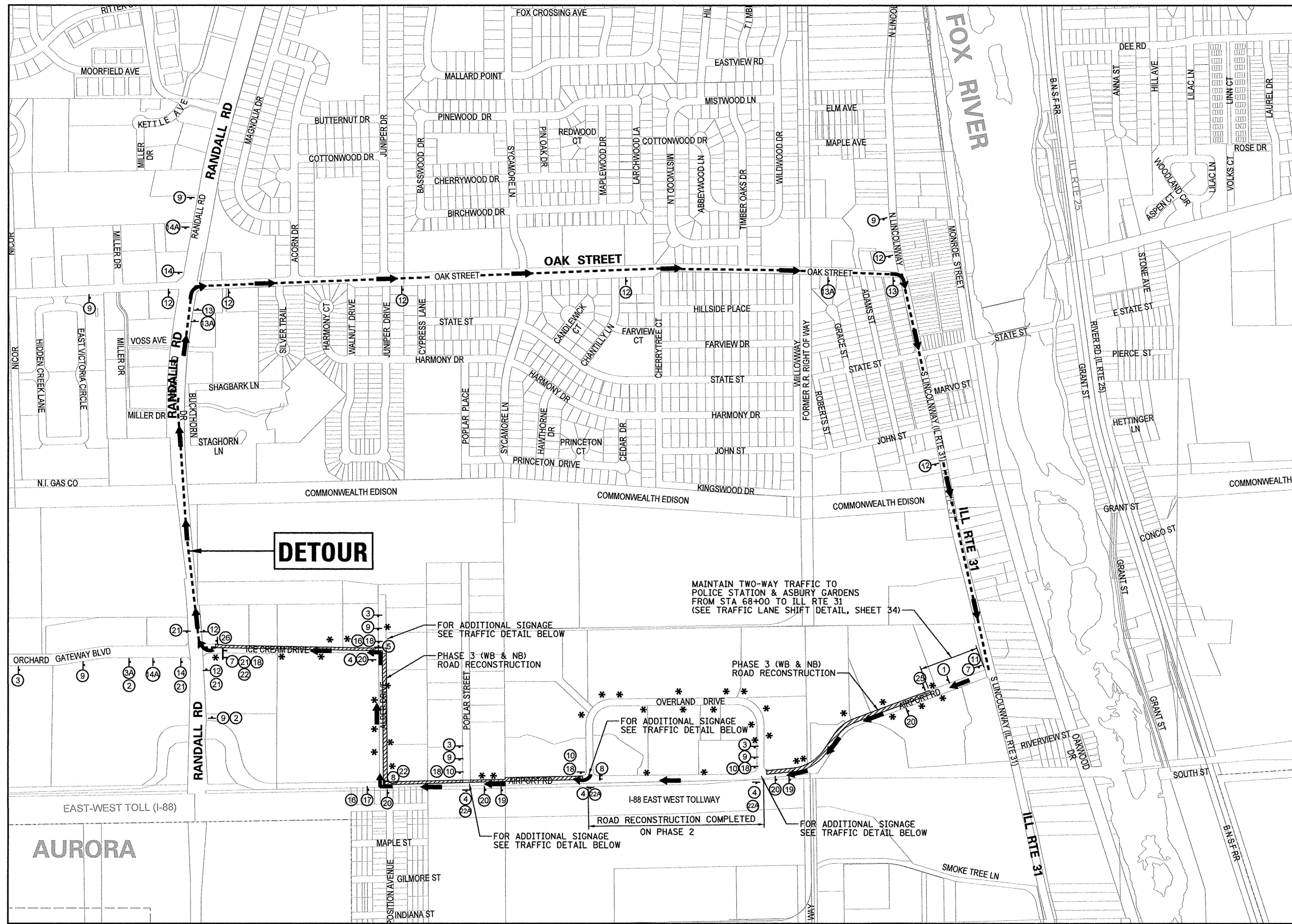


**TRAFFIC DETAIL
 AIRPORT ROAD INTERSECTIONS**

LEGEND:
 ○ - DRUM OR BARRICADE
 1 - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
 † - TEMPORARY CONSTRUCTION SIGN
 ← - TRAFFIC FLOW / DETOUR ROUTE
 * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS APPROPRIATE)
 ▨ - WORK ZONE PHASE 2/ CLOSED PORTION OF ROADWAY
 ▩ - WORK ZONE PHASE 2/ FULLY CLOSED PORTION OF ROADWAY

NOTES:
 1. ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
 2. MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.

FILE NAME = N:\dgn\NA\NAS36A\por-trd-STP\sheet\36_NAS36DetourPlan-Phase 2.dgn	USER NAME = .USER.	DESIGNED - LV/SS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC DETOUR /SUGGESTED STAGING PLAN PHASE 2		F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 36	
PLOT SCALE = 500.0010 ft / in.	DRAWN -	REVISOR -	SCALE: 1"=500'		SHEET NO. 36 OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61D30			
PLOT DATE = 11/2/2016	CHECKED -	REVISOR -							ILLINOIS FED. AID PROJECT			
	CHECKED -	REVISOR -										



LEGEND:

- - DRUM OR BARRICADE
- ⊥ - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- ↑ - TEMPORARY CONSTRUCTION SIGN
- ← - TRAFFIC FLOW / DETOUR ROUTE
- * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS NEEDED)
- ▨ - WORK ZONE PHASE 3

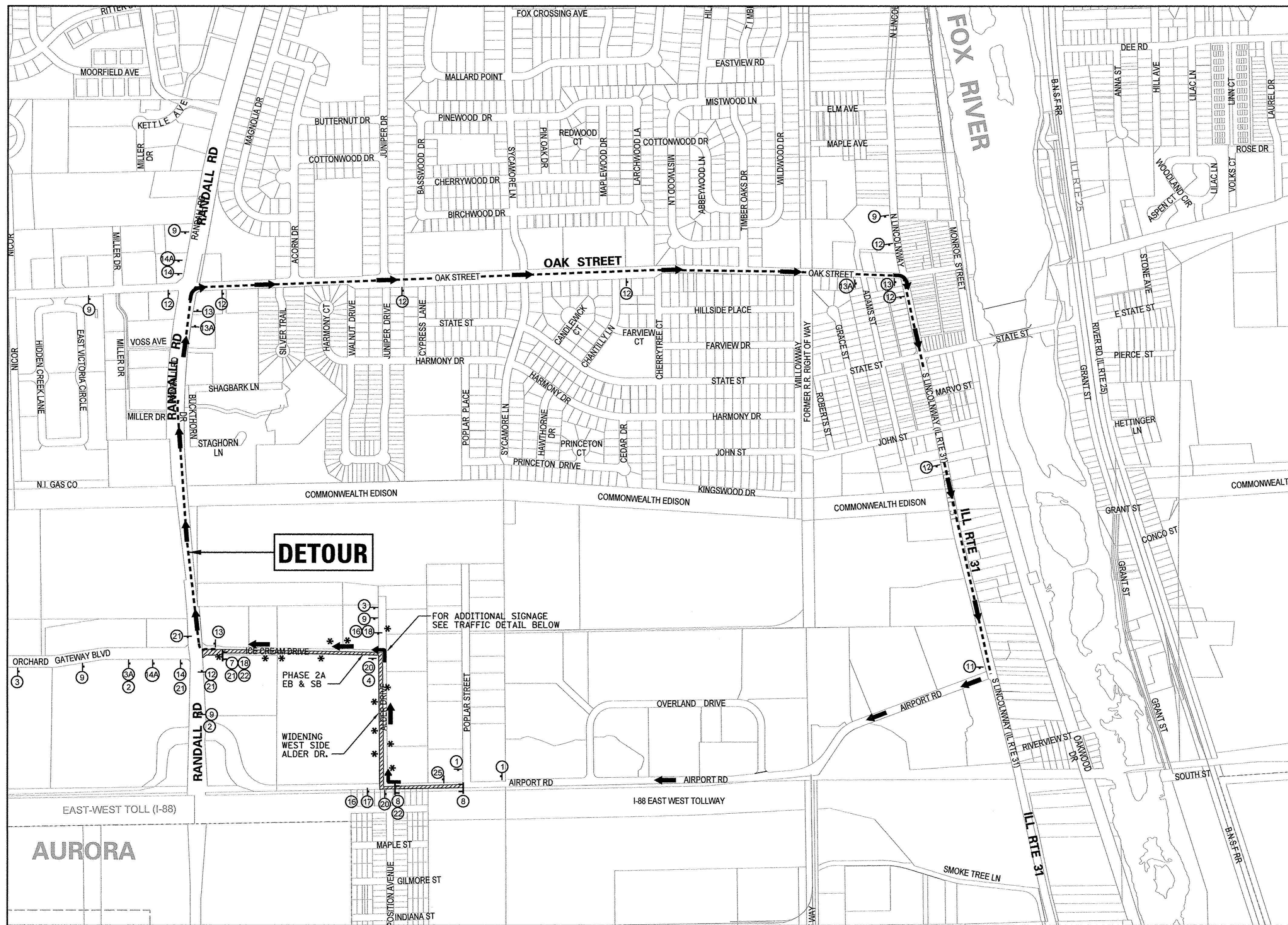
NOTES:

- ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
- MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.

NOTES:

- BLACK LETTERS ON ORANGE BACKGROUND
- ON SIGN POST

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PLOT SCALE = 500.0010 ft / in.	DRAWN -	REVISED -	REVISED -					1649	16-00056-00-PV	KANE	61	37
PLOT DATE = 11/2/2016	CHECKED -	REVISED -	REVISED -					CONTRACT NO. 61D30				
	CHECKED -	REVISED -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



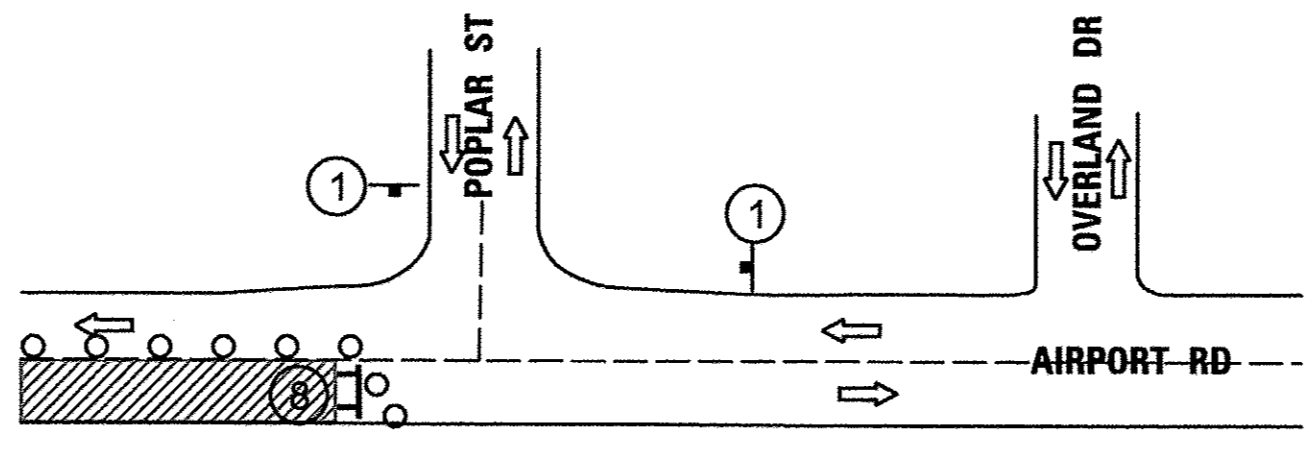
DETOUR

FOR ADDITIONAL SIGNAGE SEE TRAFFIC DETAIL BELOW

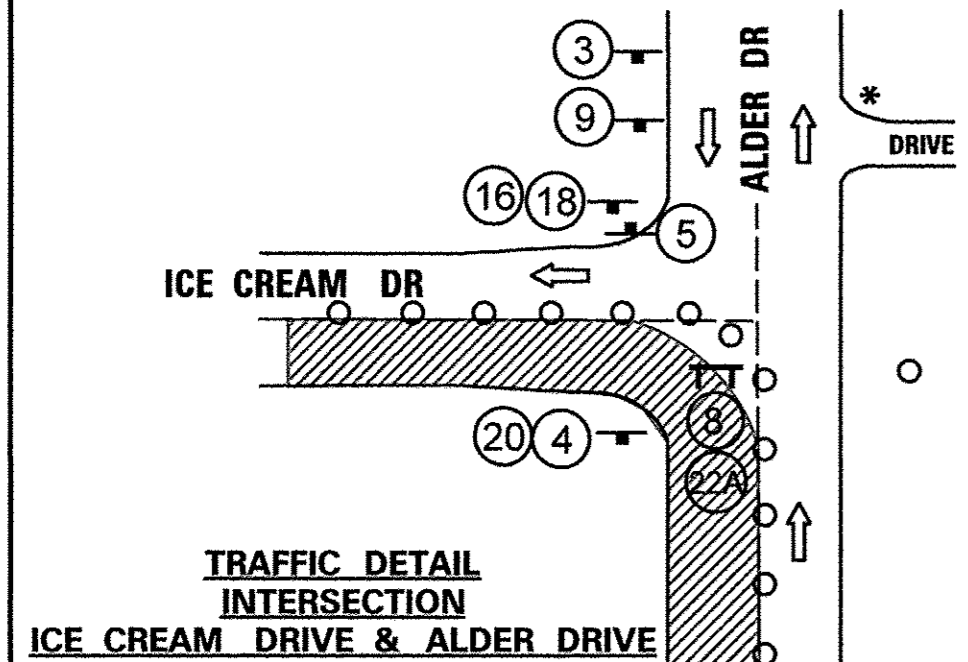
PHASE 2A EB & SB

WIDENING WEST SIDE ALDER DR.

ONE WAY DETOUR ROUTE
SCALE: 1"=500'



TRAFFIC DETAIL
AIRPORT ROAD INTERSECTIONS



TRAFFIC DETAIL
ICE CREAM DRIVE & ALDER DRIVE

NOTES:
1. SIGNS (24) (8) TO BE MOUNTED OVER TYPE III BARRICADES
2. SIGNING FOR TRAFFIC AT INTERSECTIONS ARE IN ADDITION TO THE TRAFFIC DETOUR SIGNS
3. THE CONTRACTOR TO PROVIDE ADDITIONAL SIGNAGE AS NEEDED

- 1 ROAD CONSTRUCTION AHEAD W20-1103(O)-48
- 2 ROAD CONSTRUCTION AHEAD W20-2(O)-48 Airport Rd Alder Dr Ice Cream Dr W17-1100 (TYP)
- 3 ROAD CLOSED AHEAD W20-2(O)-48
- 3A ROAD CLOSED 500 FT
- 4 ONE WAY R6-1(R)
- 5 ONE WAY R6-1(L)
- 6 R3-1
- 7 ROAD CLOSED TO THRU TRAFFIC R11-4-6030 NOTE: TO BE MOUNTED OVER TYPE III BARRICADES
- 8 ROAD CLOSED R11-2 NOTE: TO BE MOUNTED OVER TYPE III BARRICADES
- 9 DETOUR AHEAD W20-2(O)-48
- 10 R3-2
- 11 END DETOUR M4-8A
- 12 EAST M3-2 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9
- 13 EAST M3-2 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9R
- 14 EAST M3-2 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9L
- 15 EAST M3-2 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9R
- 16 R3-27
- 17 ONLY R3-5L
- 18 ONLY R3-5R
- 19 WRONG WAY R5-1a
- 20 DO NOT ENTER R5-1
- 21 Ice Cream Dr OPEN TO OBERWEIS ONLY
- 22 DETOUR M4-10L-4811-8
- 22A DETOUR M4-10R-4811-8
- 23 WEST M3-4 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9
- 24 WEST M3-4 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9R
- 24A WEST M3-4 Airport Rd SB Alder Dr Ice Cream Dr DETOUR M4-9
- 25 BEGIN ONE WAY R6-6
- 26 END ONE WAY R6-7

LEGEND:
 O - DRUM OR BARRICADE
 1 - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
 T - TEMPORARY CONSTRUCTION SIGN
 ← - TRAFFIC FLOW / DETOUR ROUTE
 * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS APPROPRIATE)
 // - WORK ZONE PHASE 2A

NOTES:
 1. ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
 2. MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.

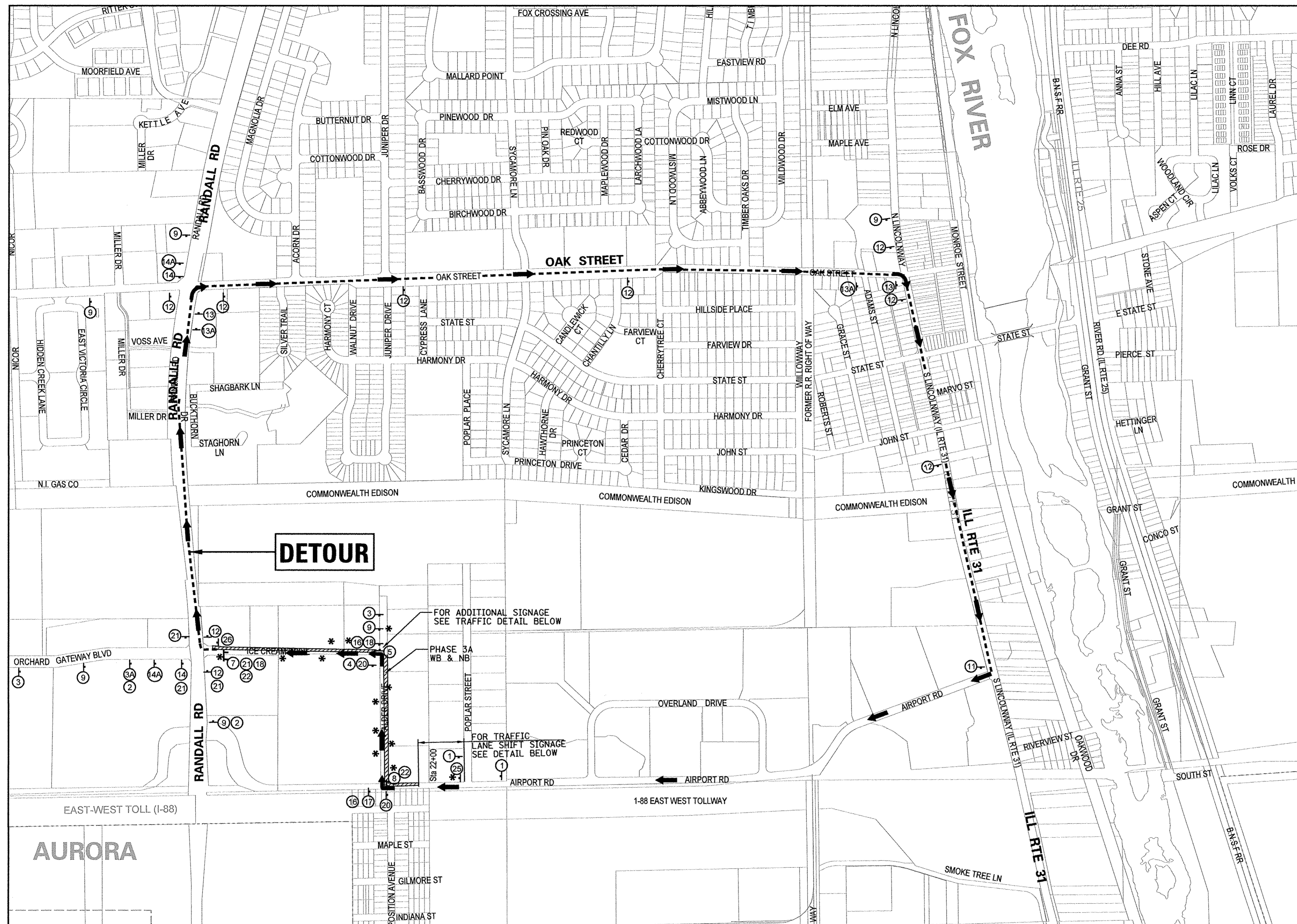
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PLOT DATE = 11/27/2016		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR /SUGGESTED STAGING PLAN
PHASE 2A

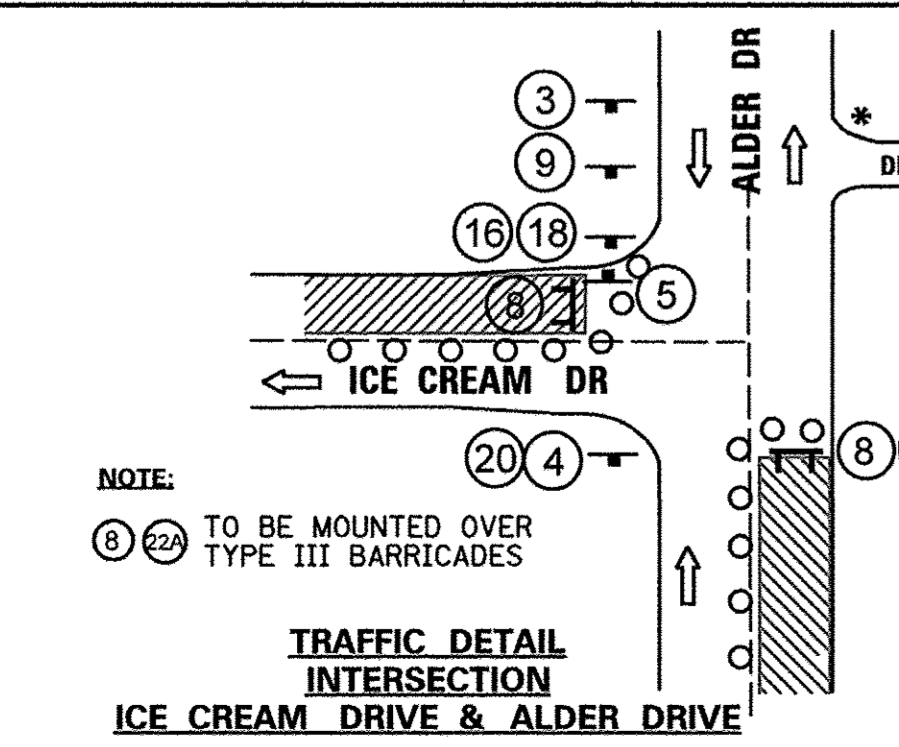
SCALE: SHEET NO. 38 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	38
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



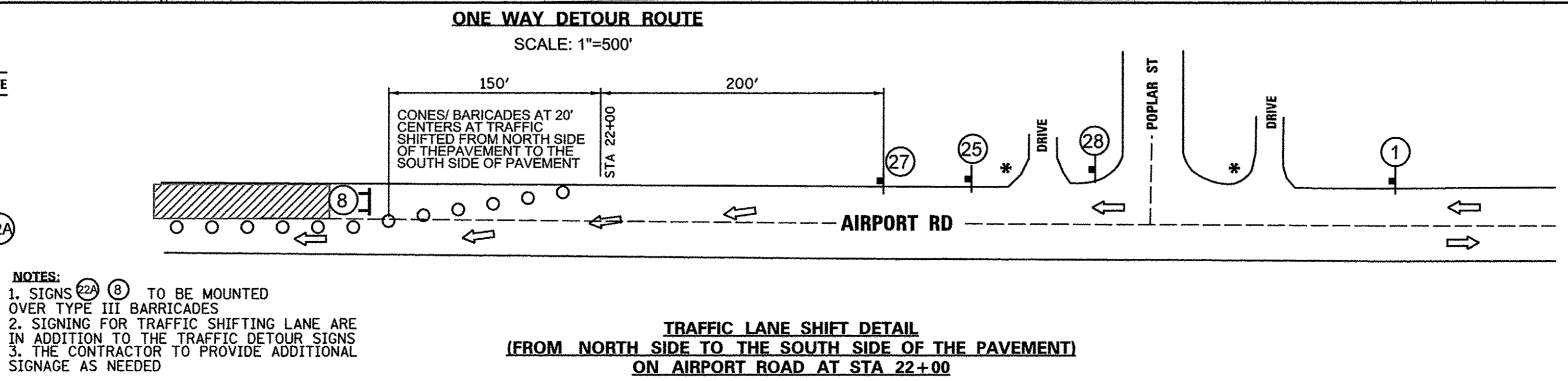
- | | | | | | |
|----|--|-----|--|-----|--|
| 1 | | 10 | | 18 | |
| 2 | | 11 | | 19 | |
| 3 | | 12 | | 20 | |
| 3A | | 13 | | 21 | |
| 4 | | 13A | | 22 | |
| 5 | | 14 | | 22A | |
| 6 | | 14A | | 23 | |
| 7 | | 15 | | 24 | |
| 8 | | 16 | | 24A | |
| 9 | | 17 | | 25 | |

- LEGEND:**
- - DRUM OR BARRICADE
 - 1 - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
 - 4 - TEMPORARY CONSTRUCTION SIGN
 - ← - TRAFFIC FLOW / DETOUR ROUTE
 - * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS NEEDED)
 - ▨ - WORK ZONE PHASE 3
- NOTES:**
- ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
 - MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.



NOTE:
 (8) (22A) TO BE MOUNTED OVER TYPE III BARRICADES

TRAFFIC DETAIL INTERSECTION ICE CREAM DRIVE & ALDER DRIVE

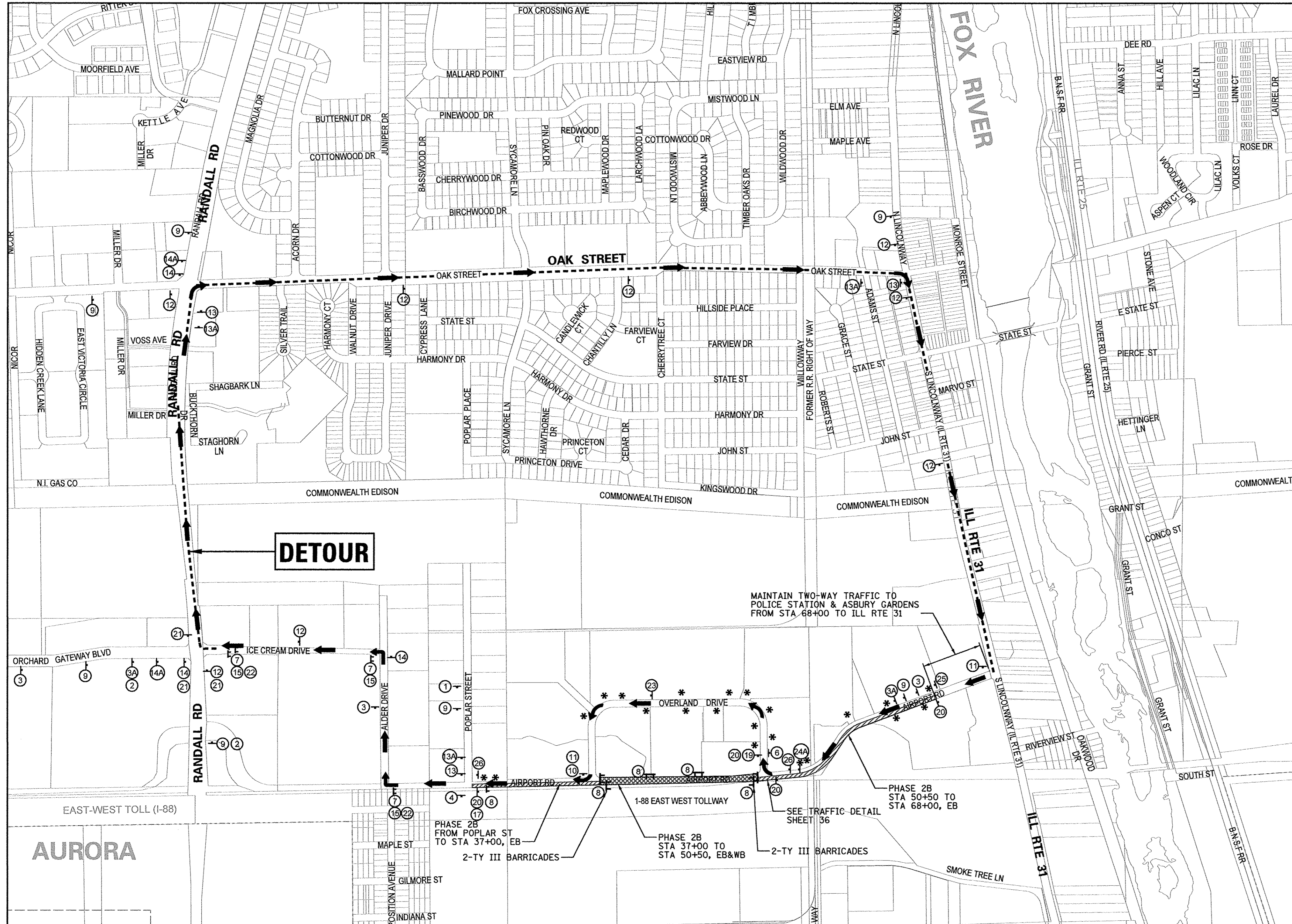


NOTES:

- SIGNS (22A) (8) TO BE MOUNTED OVER TYPE III BARRICADES
- SIGNING FOR TRAFFIC SHIFTING LANE ARE IN ADDITION TO THE TRAFFIC DETOUR SIGNS
- THE CONTRACTOR TO PROVIDE ADDITIONAL SIGNAGE AS NEEDED

TRAFFIC LANE SHIFT DETAIL (FROM NORTH SIDE TO THE SOUTH SIDE OF THE PAVEMENT) ON AIRPORT ROAD AT STA 22+00

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MAINTENANCE OF TRAFFIC DETOUR /SUGGESTED STAGING PLAN PHASE 3A		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\dgn\NA\NA536A\port\rd\STP\sheet\39_NA536DetourPlanPhase 3A.dgn	_USER_	LV/SS						1649	16-00056-00-PV	KANE	61	39
PLOT SCALE = 500.0010 ft / in.								CONTRACT NO. 61D30				
PLOT DATE = 11/2/2016								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



ONE WAY DETOUR ROUTE
SCALE: 1"=500'

LEGEND:

- 1 - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- 4 - TEMPORARY CONSTRUCTION SIGN
- ← - TRAFFIC FLOW / DETOUR ROUTE
- * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS APPROPRIATE)
- ▨ - WORK ZONE PHASE 2/ CLOSED PORTION OF ROADWAY
- ▩ - WORK ZONE PHASE 2/ FULLY CLOSED PORTION OF ROADWAY

NOTES:

- ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
- MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.

NOTES:

- BLACK LETTERS ON ORANGE BACKGROUND (TYP)
- BLACK LETTERS ON ORANGE BACKGROUND 2. ON SIGN POST

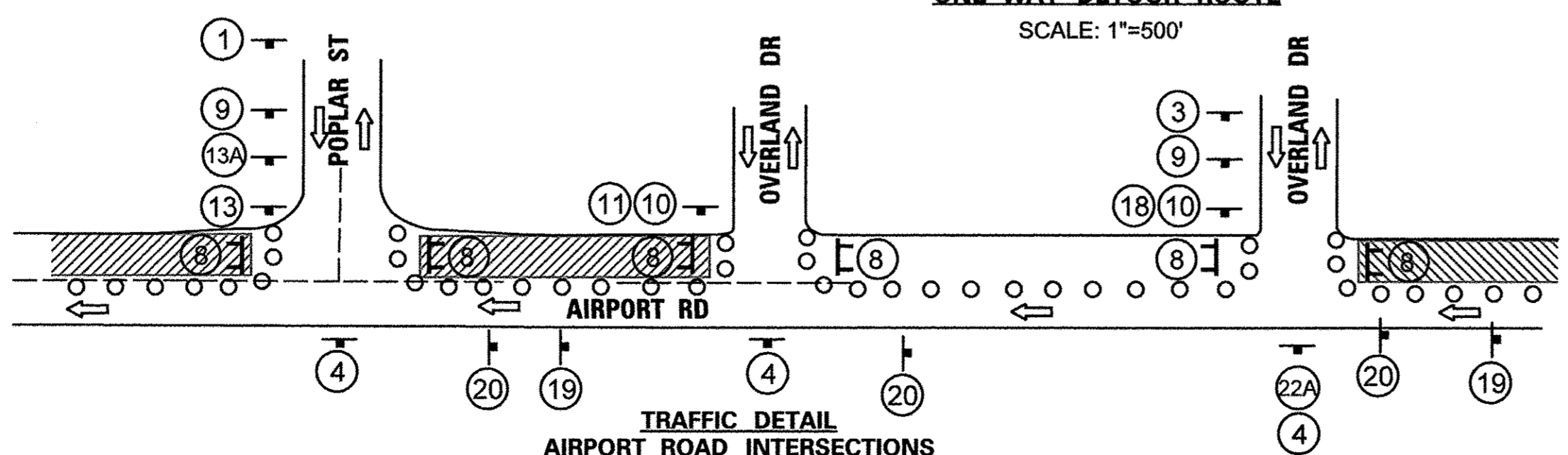
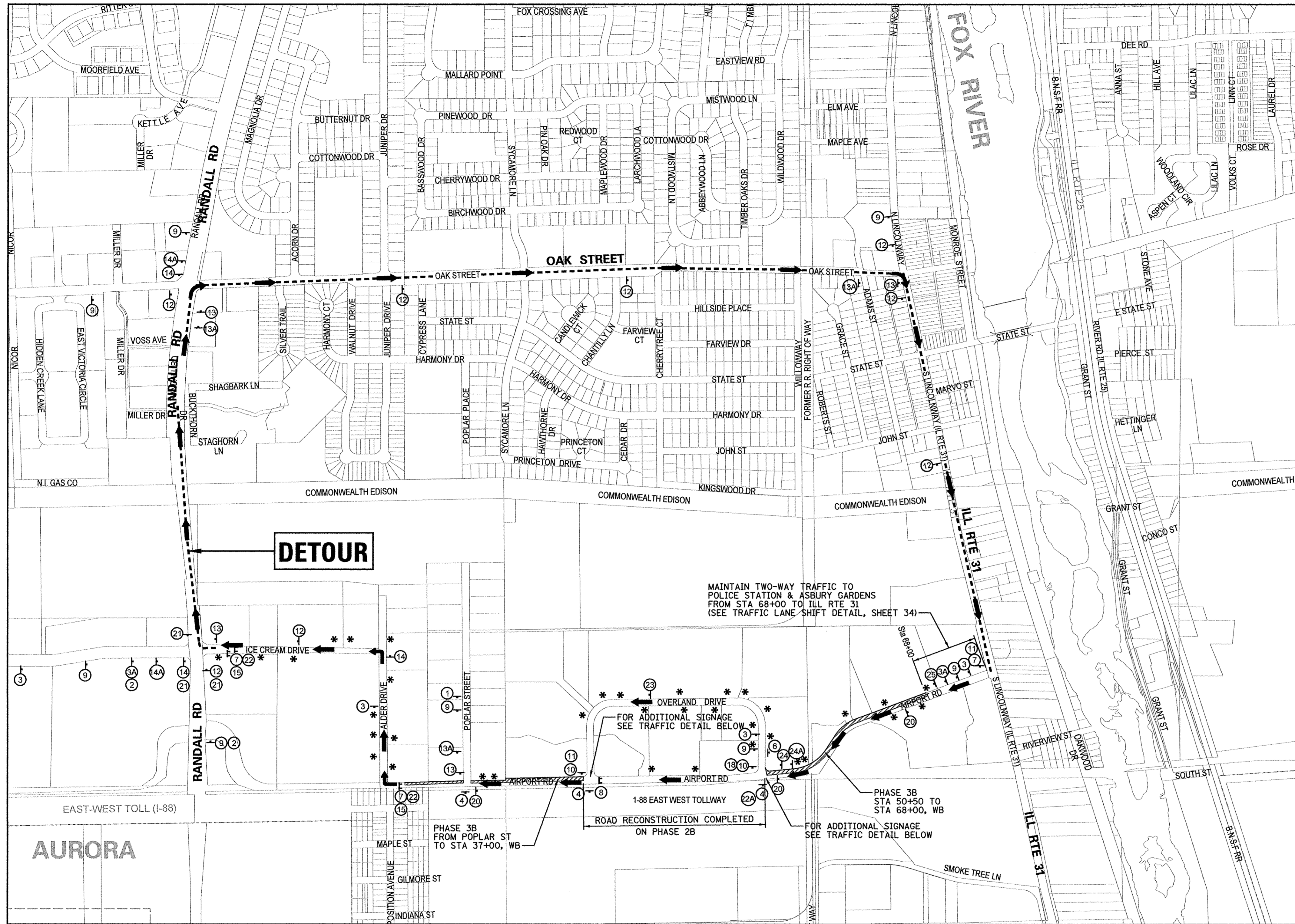
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PLOT SCALE = 500.0010 ft / in.	DRAWN -	CHECKED -	REVISED -
PLOT DATE = 11/27/2016			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR /SUGGESTED STAGING PLAN
PHASE 2B

SCALE: SHEET NO. 40 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61D30				



NOTES:
 1. SIGNS (22) (8) TO BE MOUNTED OVER TYPE III BARRICADES.
 2. SIGNING FOR TRAFFIC AT INTERSECTIONS ARE IN ADDITION TO THE TRAFFIC DETOUR SIGNS.
 3. THE CONTRACTOR TO PROVIDE ADDITIONAL SIGNAGE AS NEEDED.

1		10		19	
2		11		19	
3		12		20	
3A		13		21	
4		13A		22	
5		14		23	
6		14A		24	
7		15		24	
8		16		25	
9		17		26	
				26A	
				27	
				28	
				29	

LEGEND:
 O - DRUM OR BARRICADE
 I - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
 T - TEMPORARY CONSTRUCTION SIGN
 ← - TRAFFIC FLOW / DETOUR ROUTE
 * - INSTALL SIGNS AT DRIVEWAYS 10&4 OR 6&5 (AS NEEDED)
 [Hatched Area] - WORK ZONE PHASE 3

NOTES:
 1. ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES AND SHALL BE EQUIPPED WITH TWO (2) HIGH INTENSITY FLASHING LIGHTS.
 2. MAINTAIN ALL DRIVEWAYS/ ENTRANCES DURING ALL STAGES.

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PLOT DATE = 11/2/2016	CHECKED -	REVISOR -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 DETOUR /SUGGESTED STAGING PLAN
 PHASE 3B**

SCALE: SHEET NO. 41 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	41
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY AND PERMANENT EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER N.P.D.E.S.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND LIMIT SEDIMENTS AND POLLUTANTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED OR AS DIRECTED BY THE ENGINEER OR ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER AND AS SHOWN IN THE ENGINEERING PLANS. THEREFORE, MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN THE PLANS.

THIS PLAN SHALL BE FOLLOWED FOR ALL SITE IMPROVEMENTS. AN EROSION CONTROL PLAN HAS BEEN PREPARED FOR THIS PROJECT AND IS PART OF THE APPROVED ENGINEERING PLANS. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED PLANS INCLUDING THE EROSION CONTROL PLAN AND A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AT ALL TIMES. THE DETAILS INCLUDED IN THIS STORM WATER POLLUTION PREVENTION PLAN ARE INTENDED TO SUPPLEMENT THE DETAILS PROVIDED IN THE APPROVED PLANS AND PROVIDE RECOMMENDATION ALTERNATIVES THAT MAY BE USED TO PROVIDE EROSION AND SEDIMENTATION CONTROL AS NEEDED.

SITE DESCRIPTION OF CONSTRUCTION ACTIVITIES:

1. THE PROJECT CONSISTS OF IMPROVEMENTS TO EXISTING ROADWAYS, PAVED DRIVEWAYS, SIDEWALKS AND STORM SEWER IMPROVEMENTS.
2. THE SITE CONSTRUCTION ACTIVITIES WILL CONSIST OF THE FOLLOWING: PAVEMENT REMOVAL, MASS GRADING, PAVEMENT CONSTRUCTION, INSTALLATION OF STORM SEWER, PARKWAY RESTORATION ALONG WITH SOIL EROSION AND SEDIMENTATION MEASURES.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

- INSTALL SILT FENCE AT LOCATIONS INDICATED ON THE PLANS.
- STRIP TOPSOIL FROM PROPOSED SITE.
- CUT & FILL SITE TO PROPOSED SUB-GRADE.
- PLACE AND MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING DITCH CHECKS, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, ETC.
- CONSTRUCT UNDERGROUND IMPROVEMENTS, STORM SEWER, SIDEWALK, ETC.
- COMPLETE TOPSOIL PLACEMENT AND PERMANENT EROSION CONTROL MEASURES INCLUDING TOPSOIL/SEEDING AND EROSION CONTROL BLANKET.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 0.5 ACRES OF WHICH 0.5 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEM.

CONTROLS - EROSION CONTROL AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PRESERVATION OF MATURE VEGETATION AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER OR. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SEE SOIL PROTECTION SCHEDULE FOR RECOMMENDATIONS.
 - A. AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - B. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - C. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - D. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE PROPERTY.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES, OR CONSTRUCTION EQUIPMENT STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN SEVEN DAYS.

AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.

PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THIS SITE.

THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR INSPECTING THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR EROSION CONTROL.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE OWNER. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AND IN GENERAL BE PLACED BACK TO THE LOCATION FROM WHERE IT WAS REMOVED.

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL MEET ALL REQUIREMENTS OF THE VILLAGE OF NORTH AURORA AND THE ENVIRONMENTAL PROTECTION AGENCY, N.P.D.E.S. PERMIT CONSTRUCTION SITE ACTIVITIES.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.

A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION. AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.

FOR PERMANENT SEEDING AND VEGETATION, REFER TO THE LANDSCAPE PLANS.

SOIL STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS SHALL RECEIVE TEMPORARY SEEDING.

EROSION CONTROL MEASURES MUST BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

ALL EXISTING STORM SEWER INLETS OR PROPOSED STORM SEWER INLETS WHICH ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED BY INLET PROTECTION IN PAVEMENT AREAS AND DIKES OR SILT SAVER SEDIMENT TRAPS IN GRADED AREAS.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.

WINTER SHUT DOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHOULD BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO PREFORM ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS IEPA.

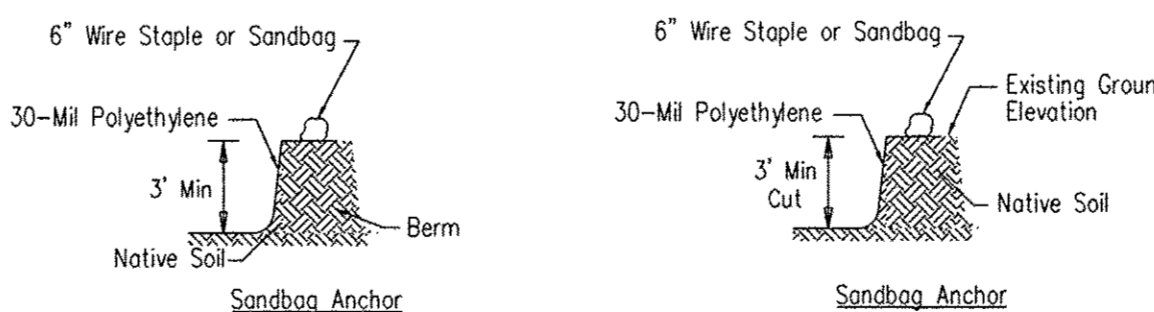
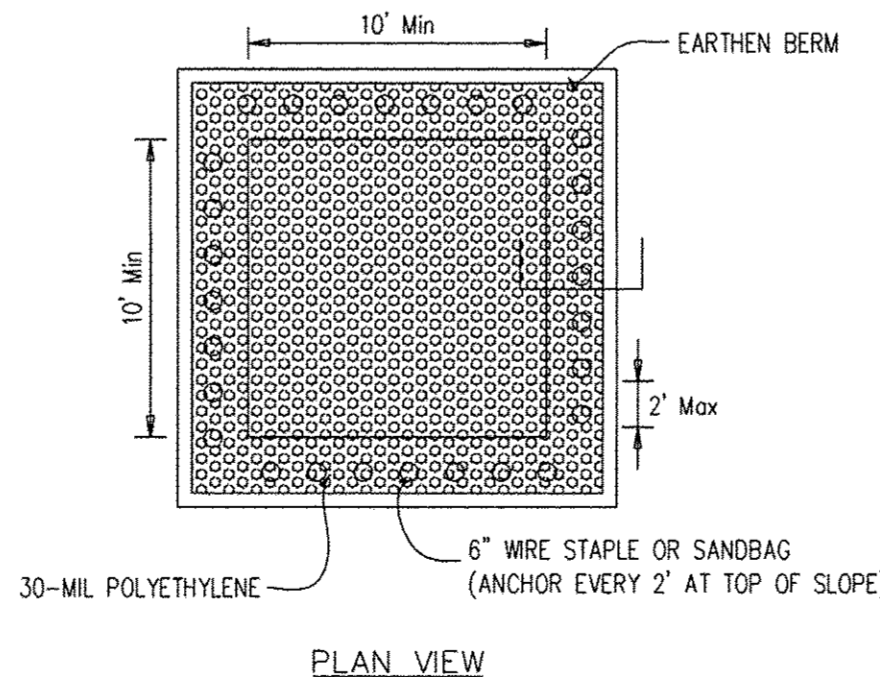
ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER 1/2" OR MORE OF RAIN EVENT.

SOIL PROTECTION CHART

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B									B		
TEMPORARY SEEDING			C				D					
SODDING			E**									
MULCHING	F											

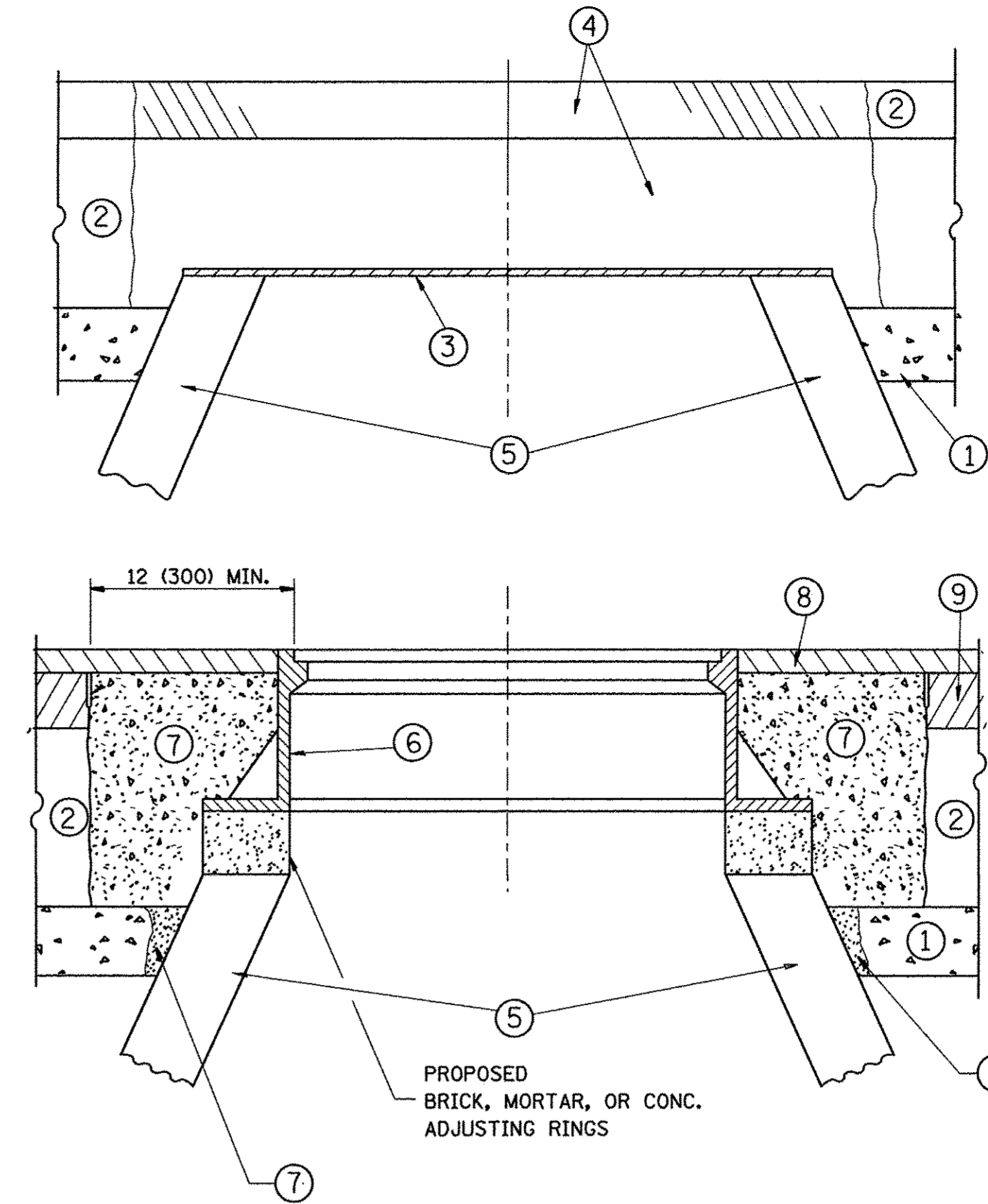
- A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.
- B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + STRAW MULCH 2 TONS/ACRE.
- C SPRING OATS 100 LBS/ACRE
- D WHEAT OR CEREAL RYE 150 LBS/ACRE
- E SOD
- F STRAW MULCH 2 TONS/ACRE

- * IRRIGATION NEEDED DURING JUNE AND JULY.
- ** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD



NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.



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 1/2 (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

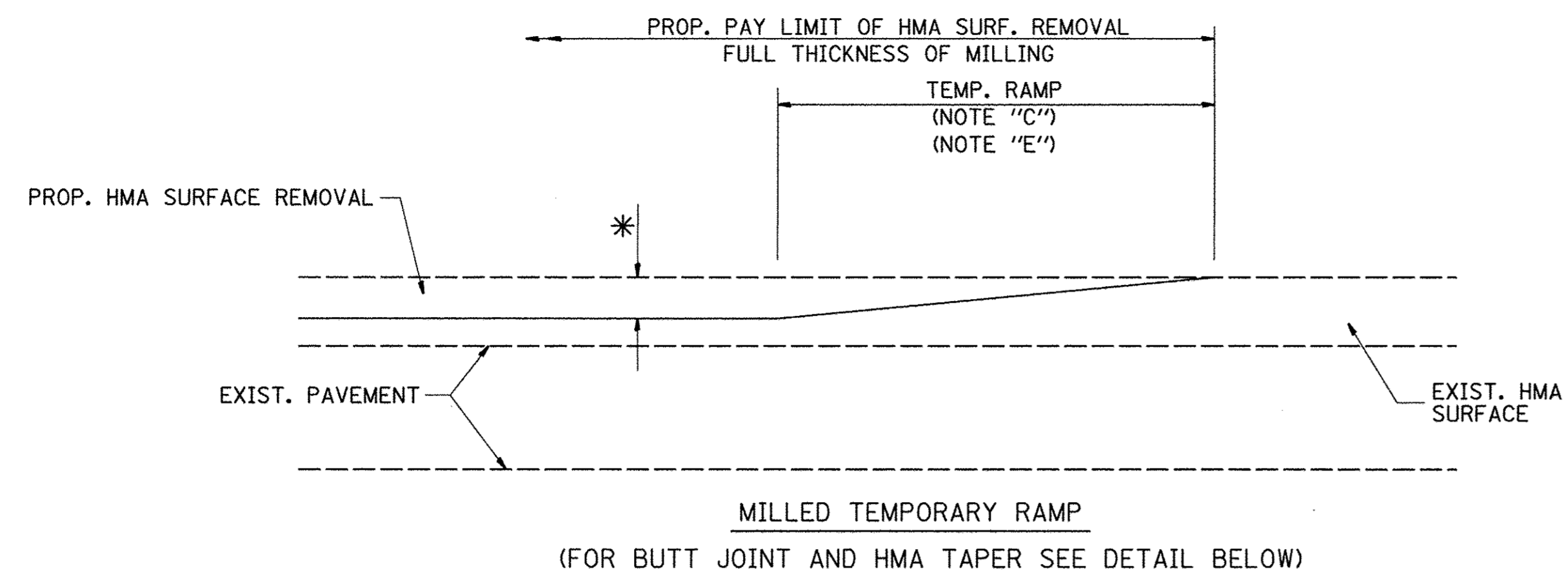
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 03-09-11
		DATE - 10-25-94	REVISED - R. BORO 12-06-11

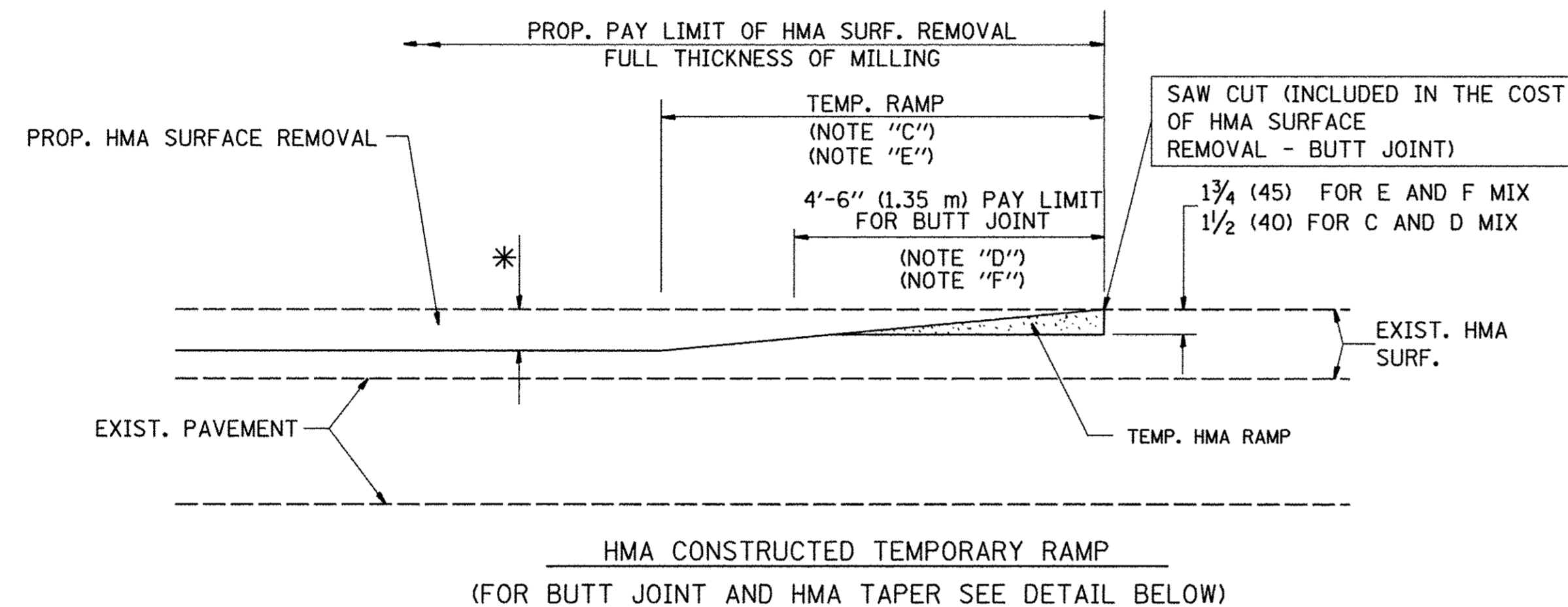
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-03 (BD-8)			CONTRACT NO. 61D30	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

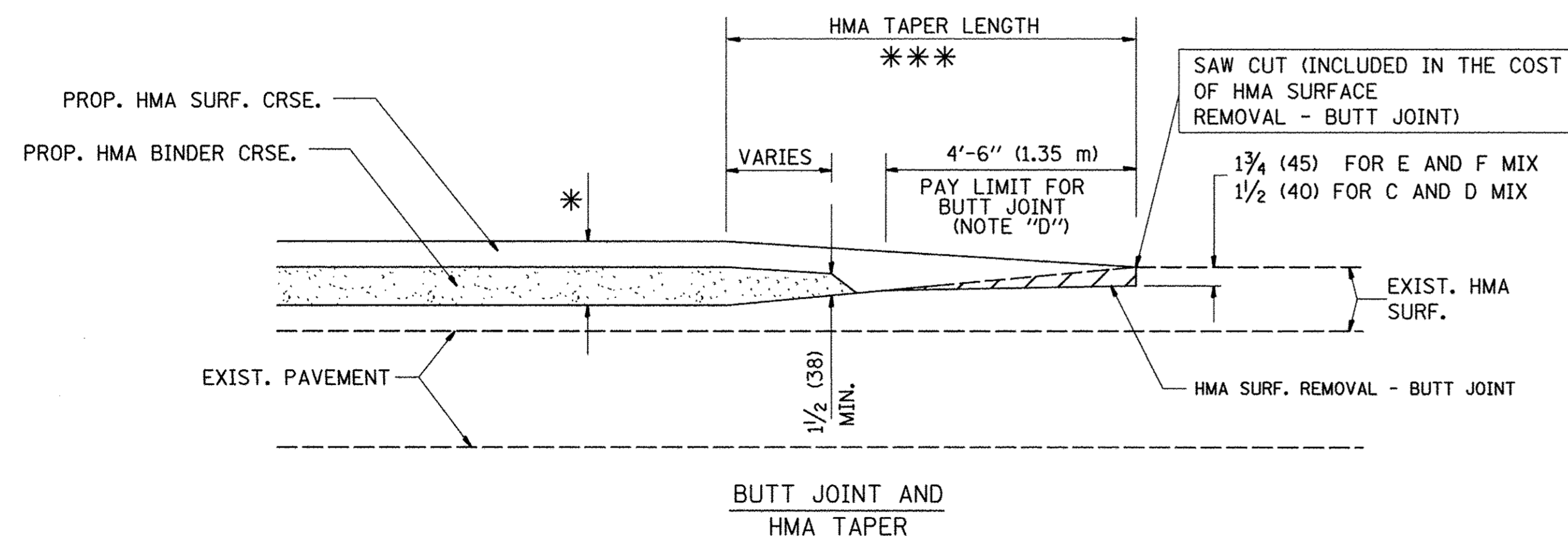


OPTION 1

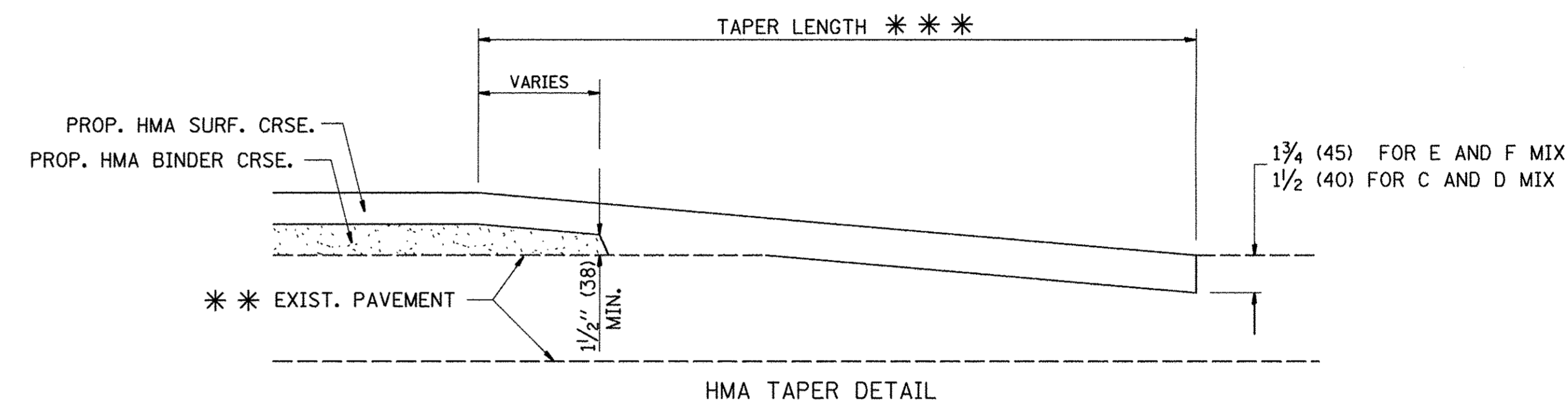
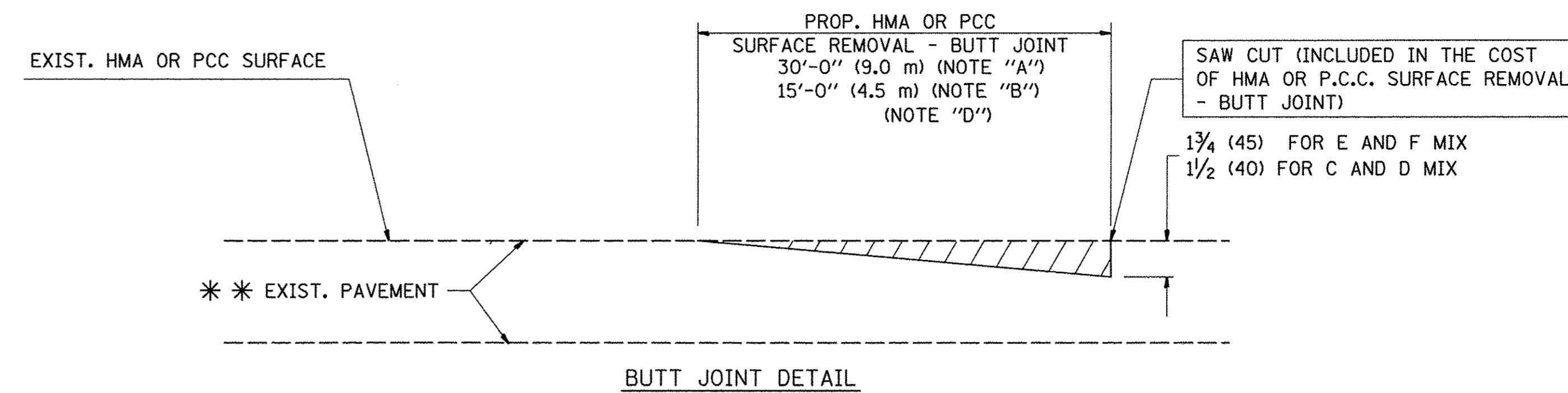


OPTION 2

TYPICAL TEMPORARY RAMP



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



**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.

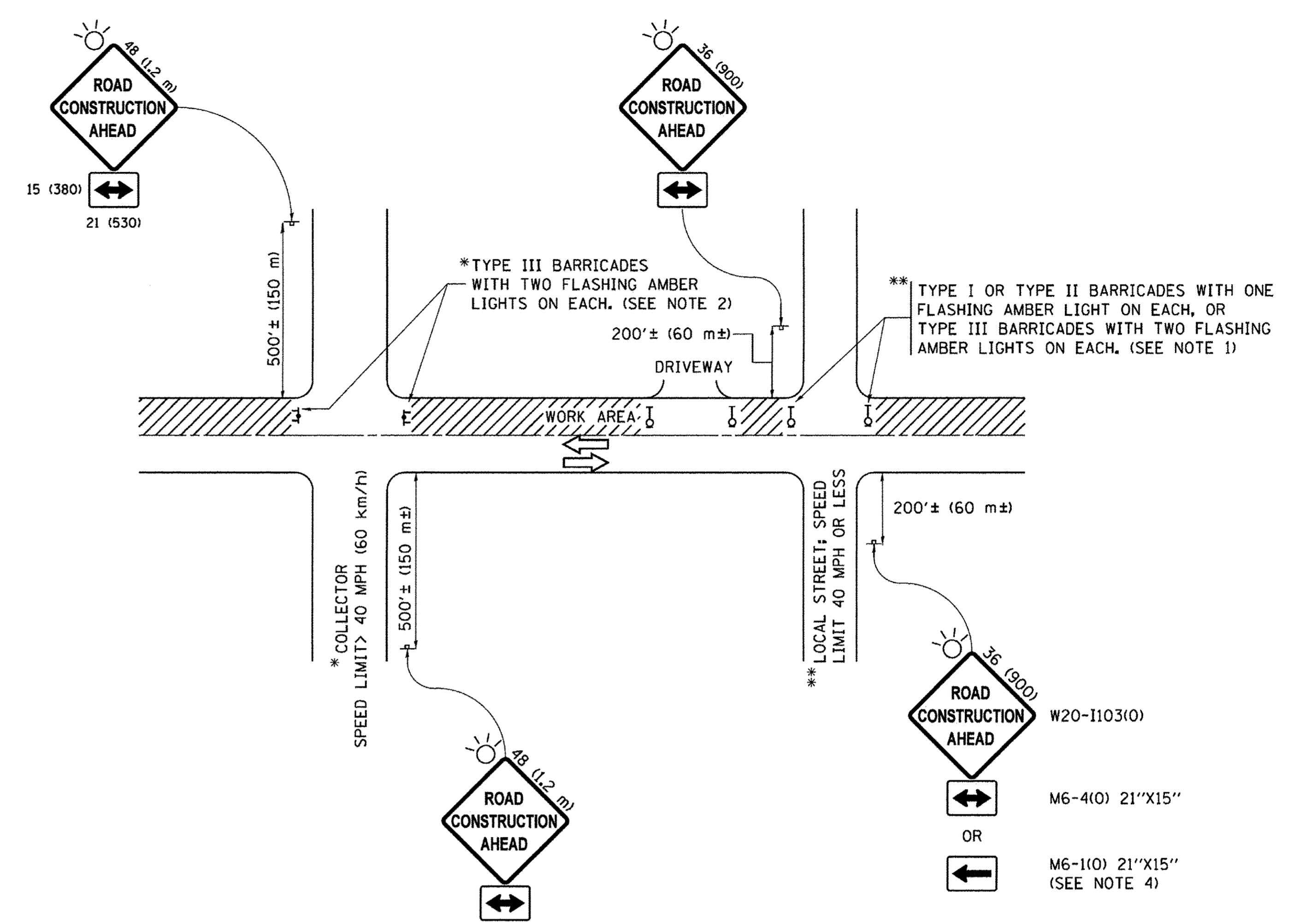
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	PLOT DATE = 10/17/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 45 OF SHEETS STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 45
BD400-05 BD32		CONTRACT NO. 61D30		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

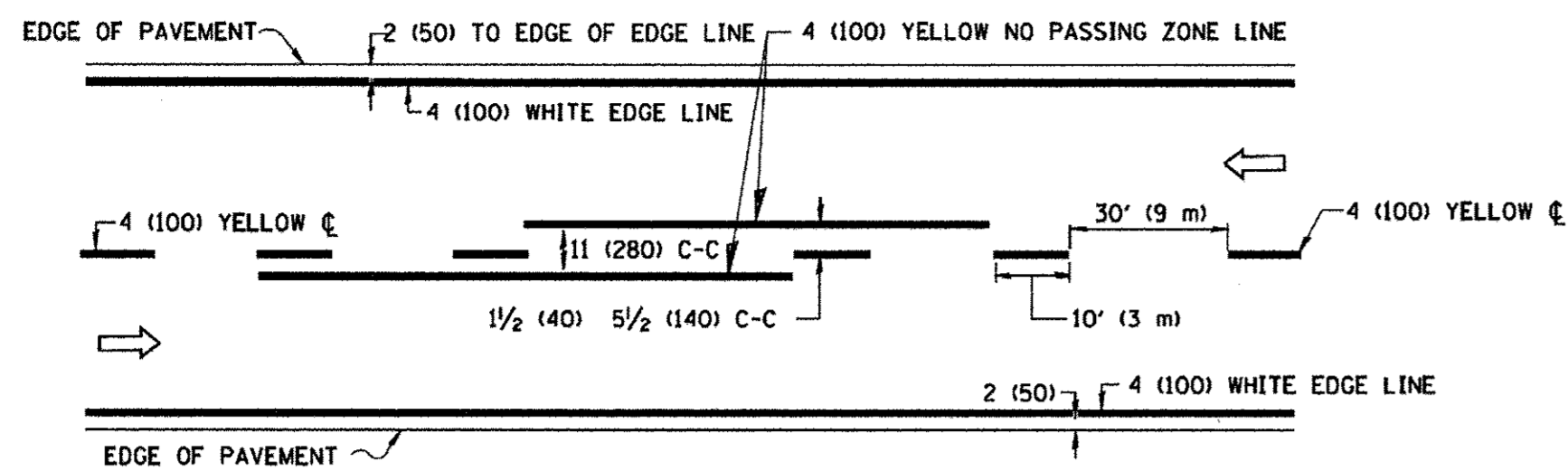
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

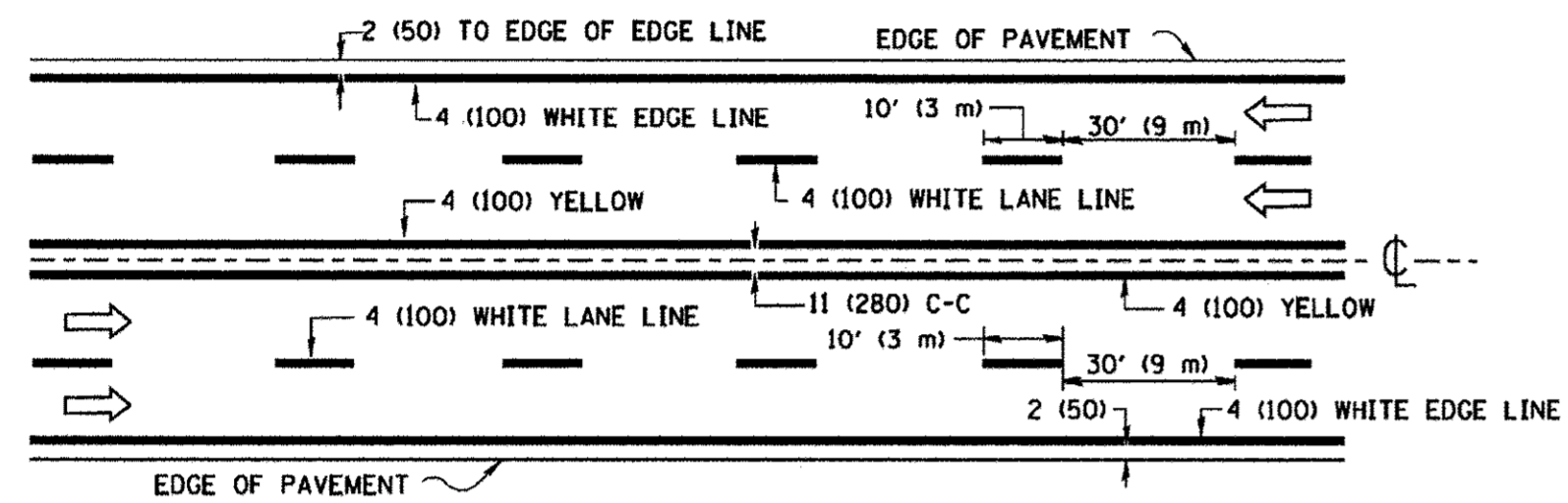
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

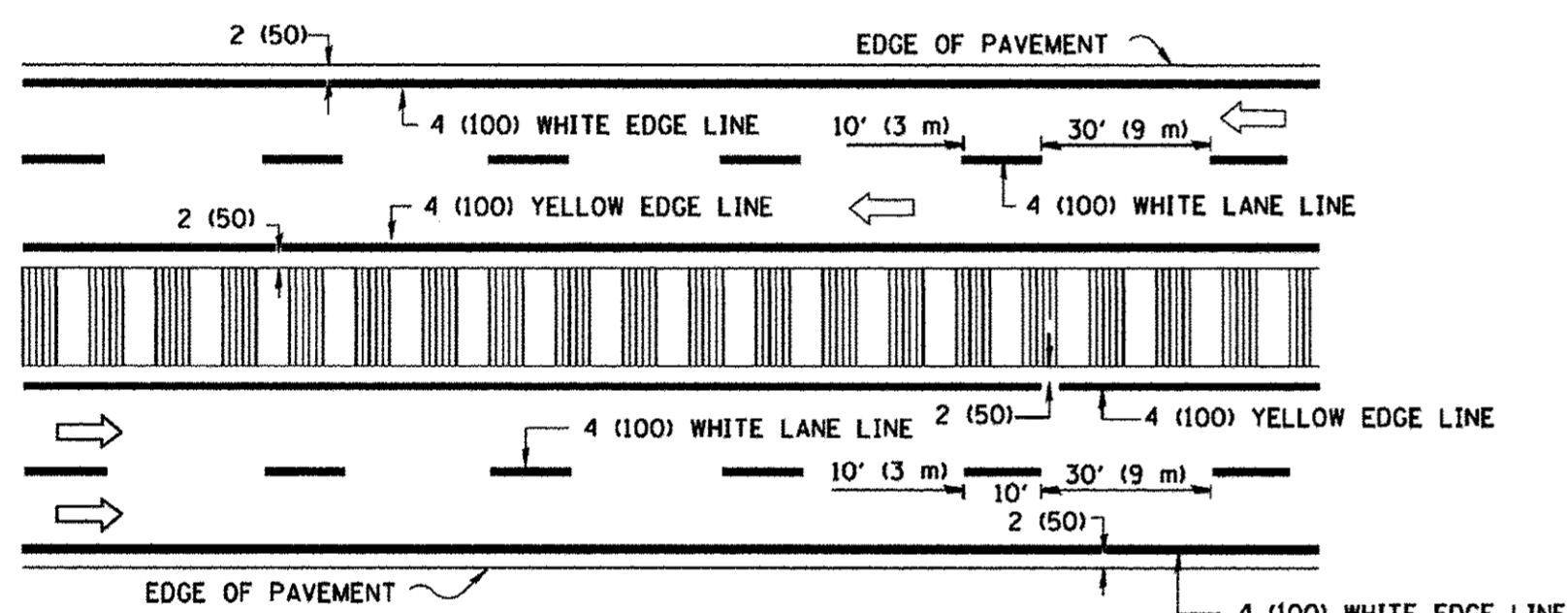
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TC-10			CONTRACT NO. 61D30	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



2-LANE ROADWAY

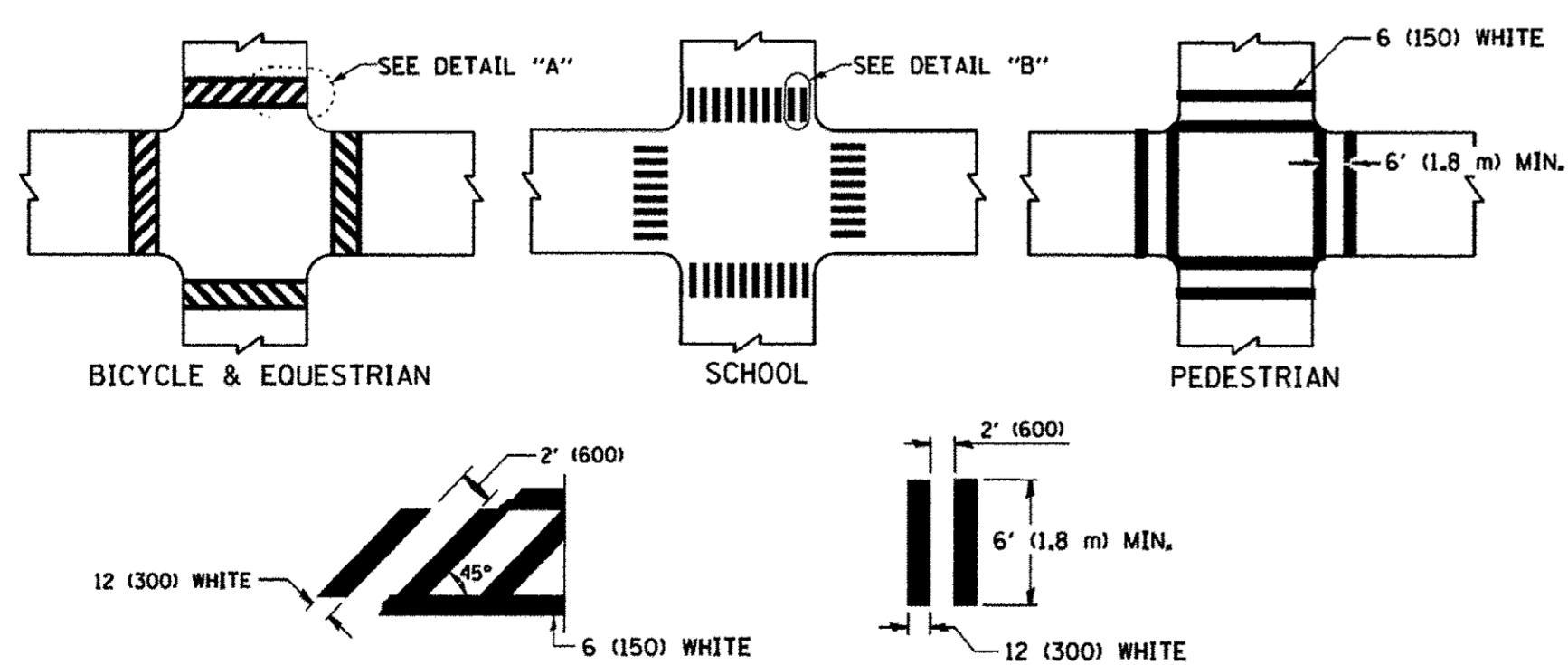


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

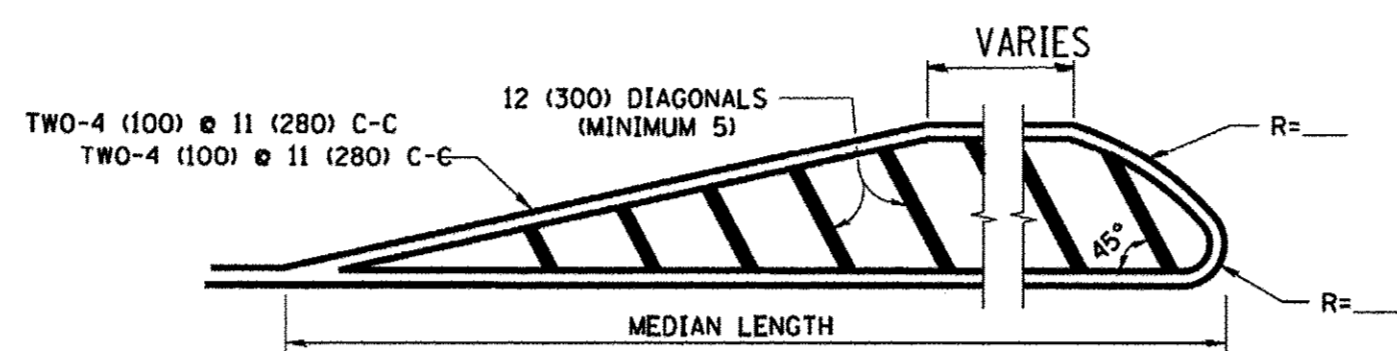
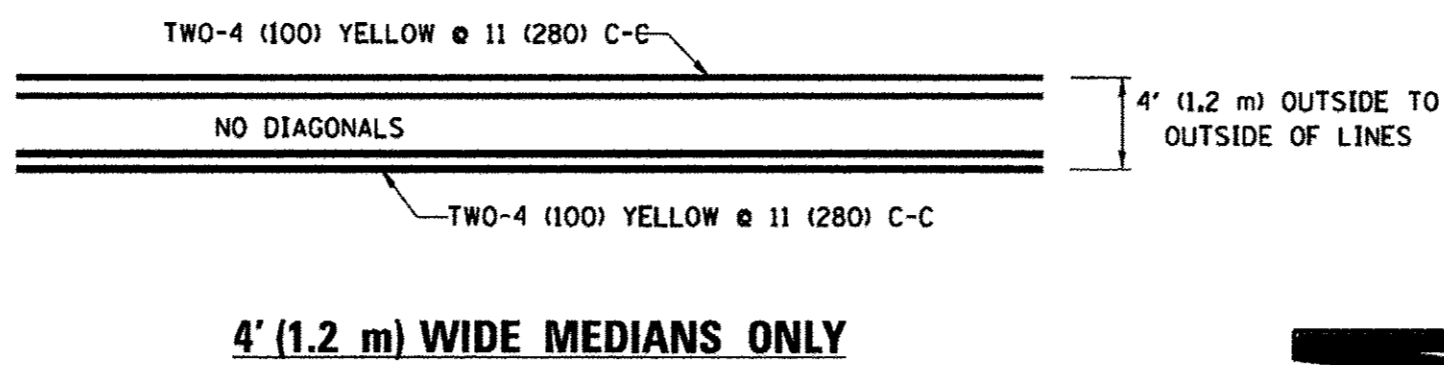


DETAIL "A"

DETAIL "B"

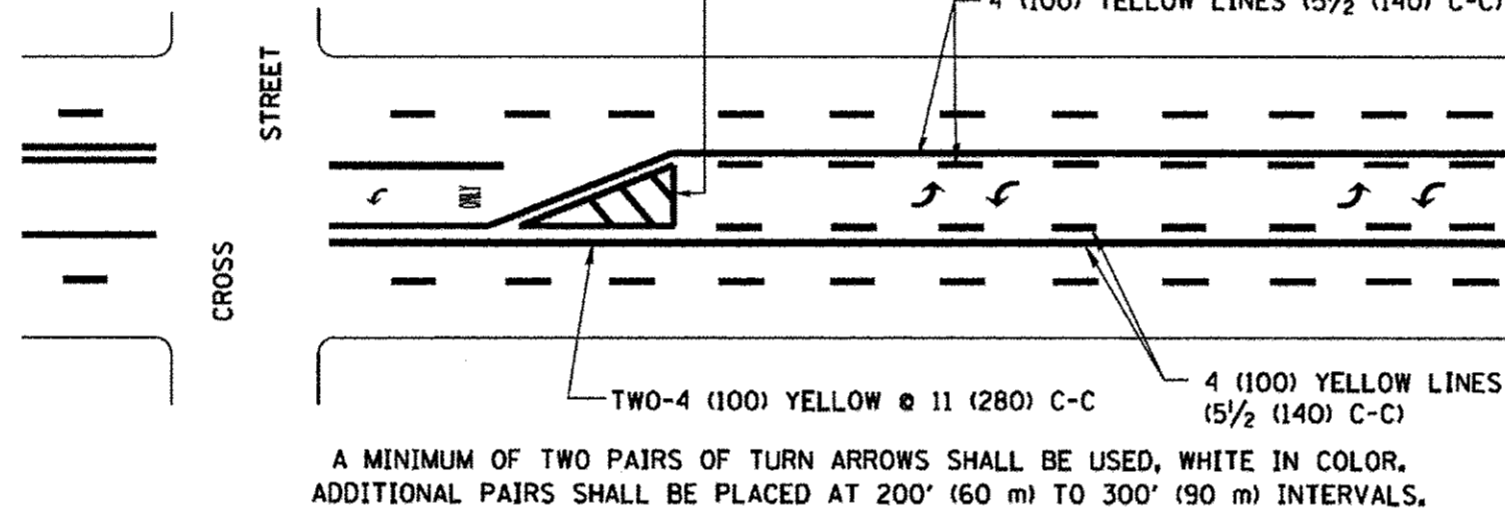
TYPICAL CROSSWALK MARKING

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



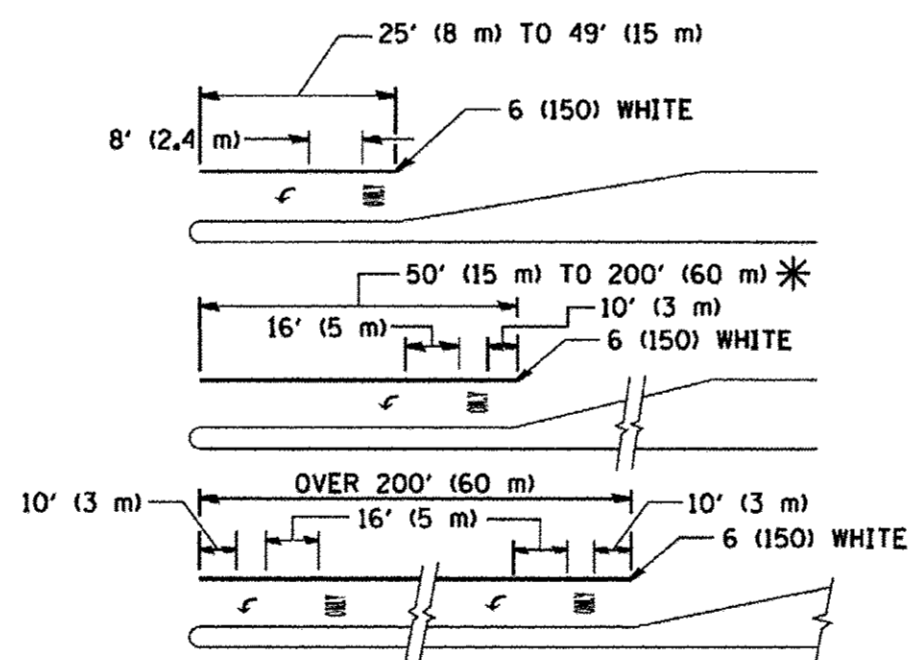
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

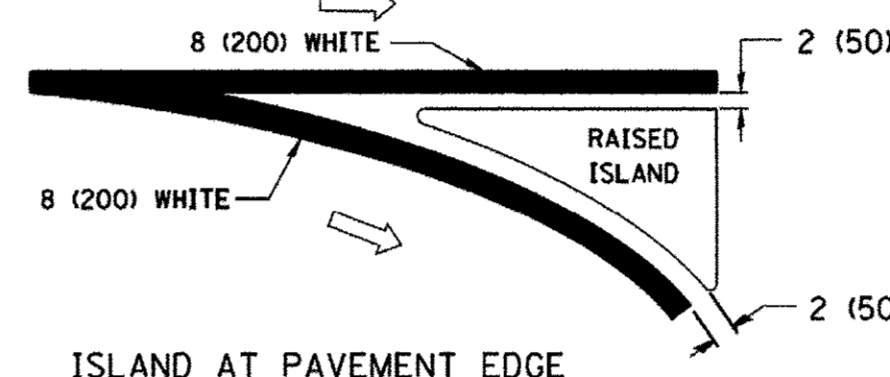
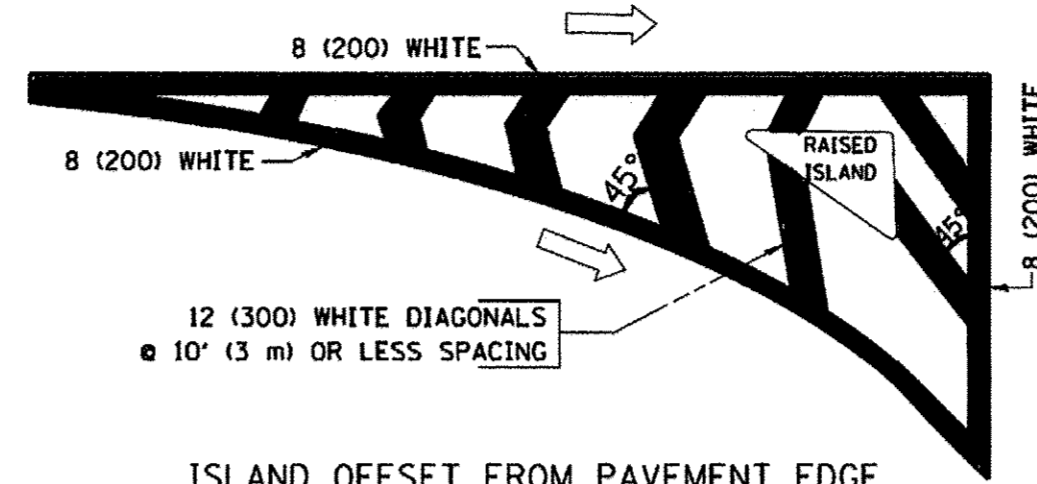


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

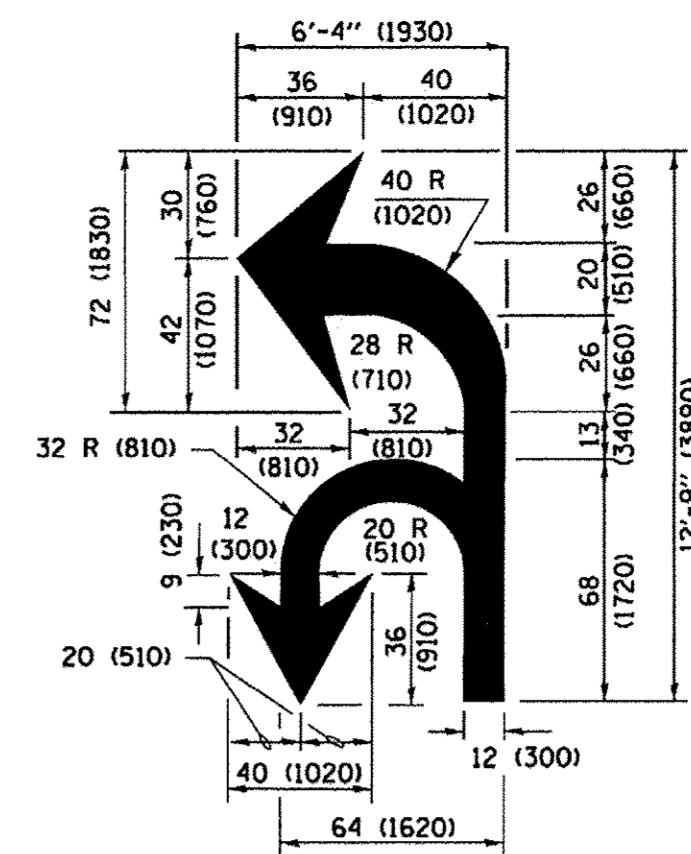
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

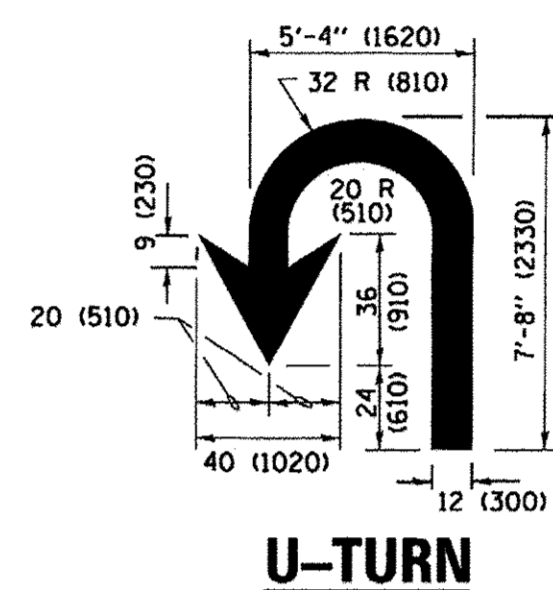
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (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.

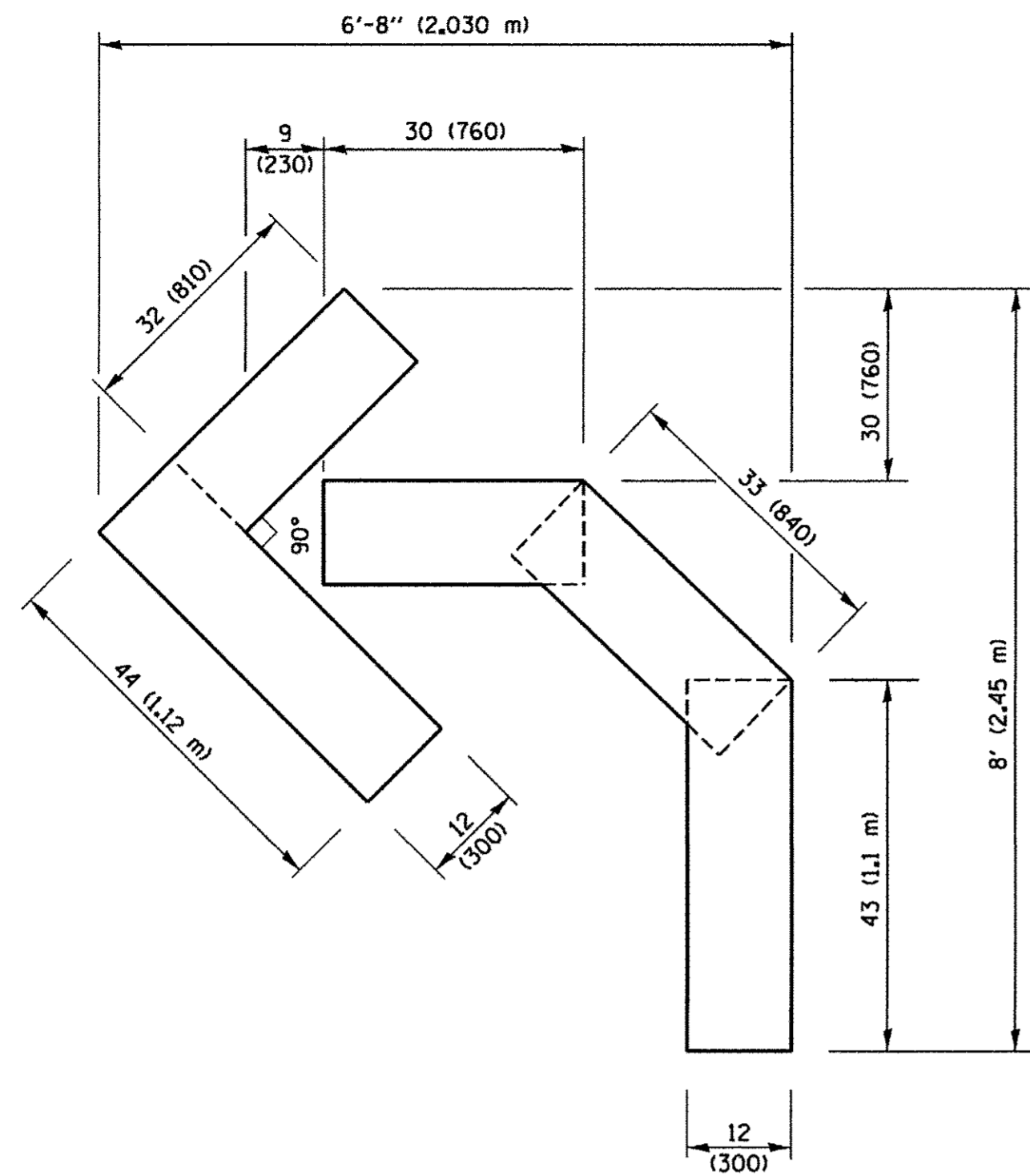
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	PLOT DATE = 12/21/2015		REVISED - C. JUCIUS 12-21-15

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

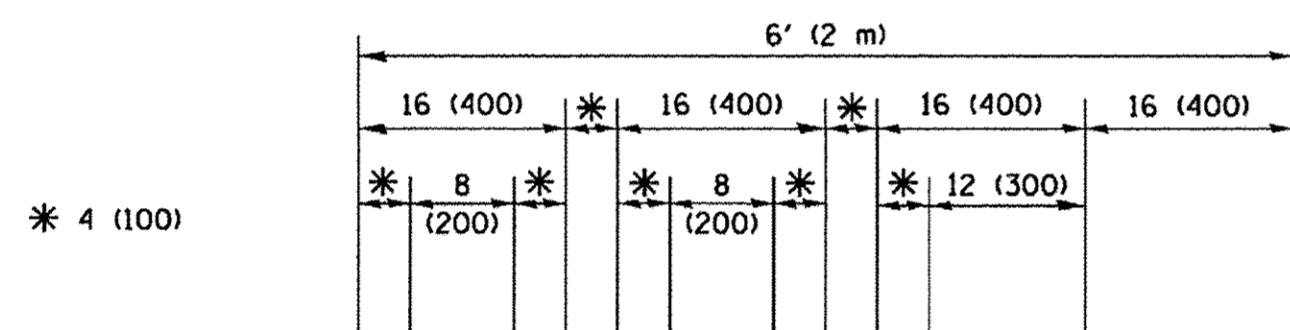
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F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	47
TC-13		CONTRACT NO. 61D30		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



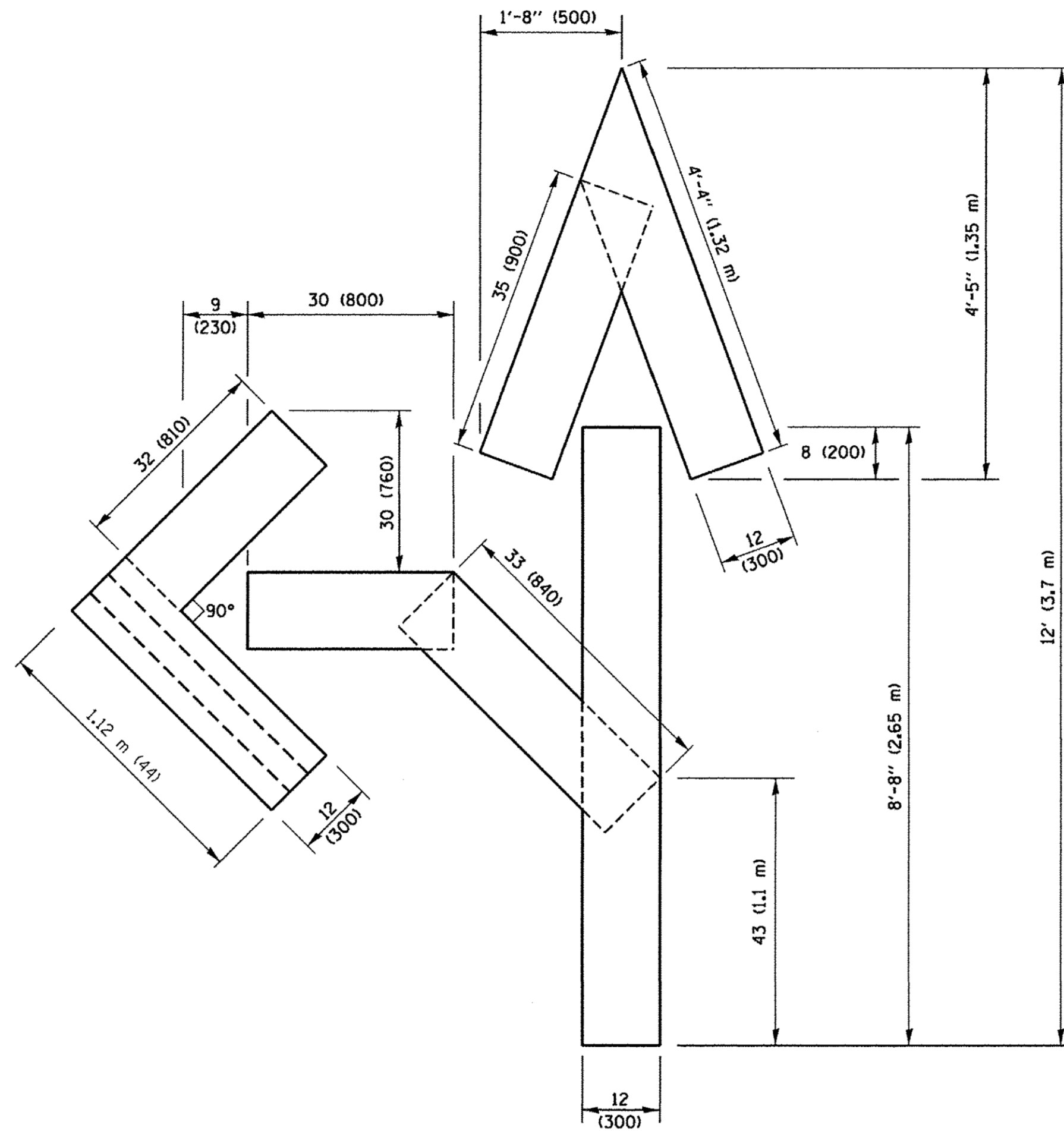
QUANTITY

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)

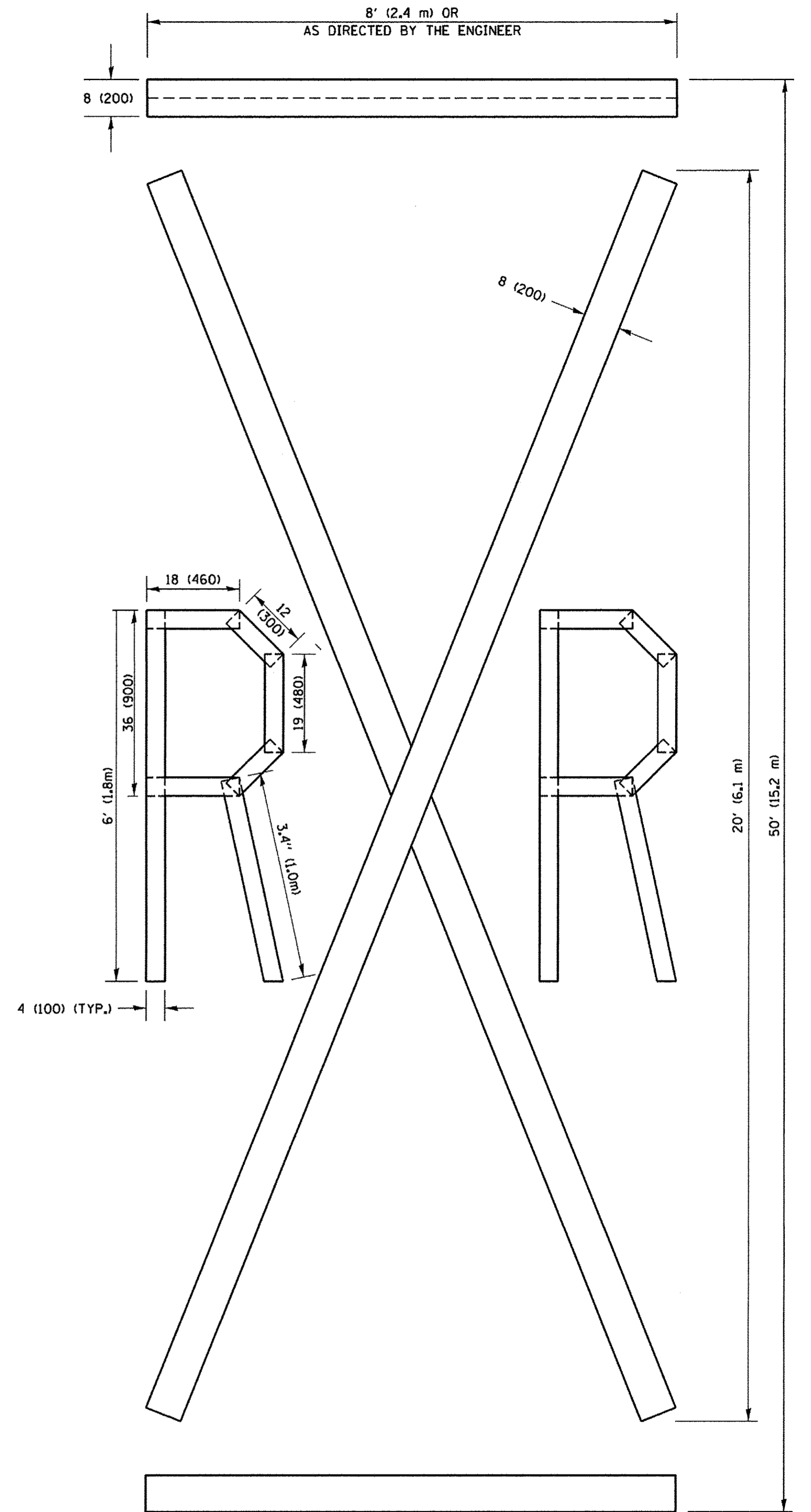


QUANTITY

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.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\l\l84EBIDINTEG.illinois.gov\PIWIDOT\Documents\DDOT Offices\District 1\Projects\Dist 1\CAD\Drawings\16.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS






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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-16		CONTRACT NO. 61D30		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

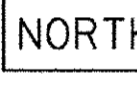
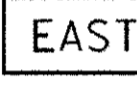


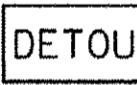
ROUTE MARKERS

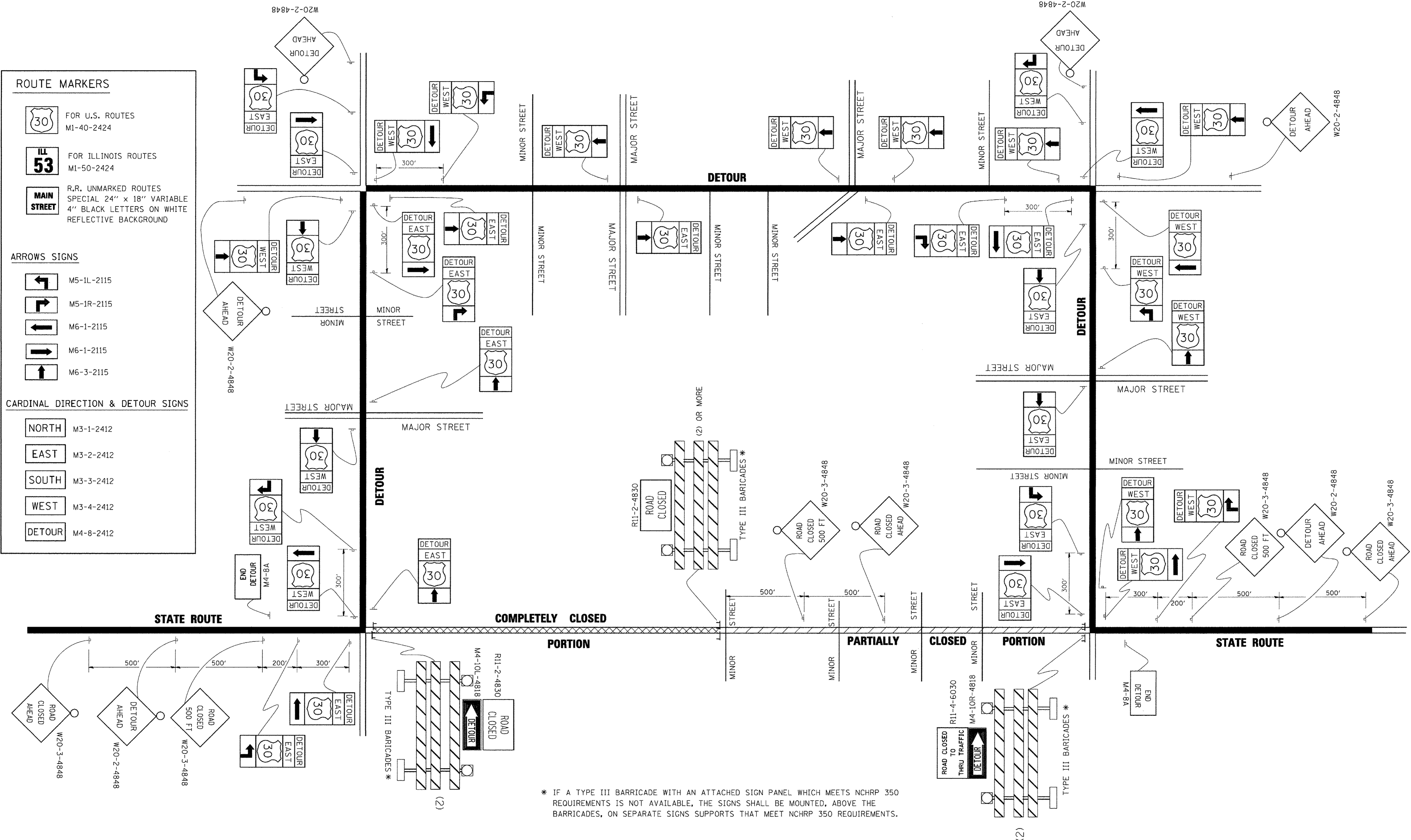
-  FOR U.S. ROUTES
M1-40-2424
-  FOR ILLINOIS ROUTES
M1-50-2424
-  R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



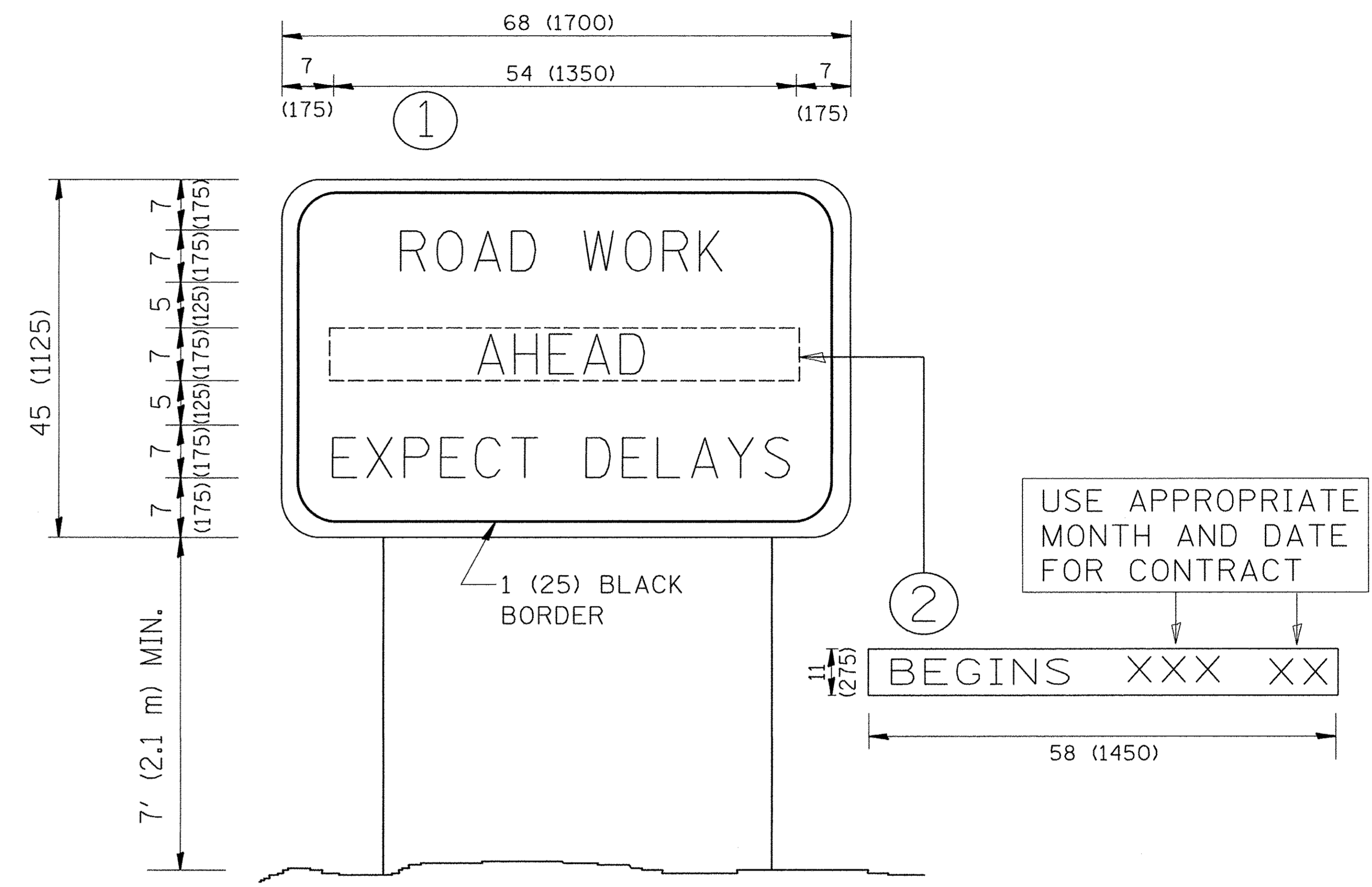
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
ct:\pwwork\NPRVAKOSGN\d0108315\121.dgn	drivakosgn	-	10-18-02
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		-	R. BORO 09-14-09
		CHECKED -	REVISED -
		-	
		DATE -	REVISED -
		-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	49
TC-21		CONTRACT NO. 61D30		
FED. ROAD DIST. NO. 1 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.

FILE NAME = 50_NA5360etalTC-22.dgn	USER NAME = _USER_	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
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	PLOT DATE = 10/17/2016	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

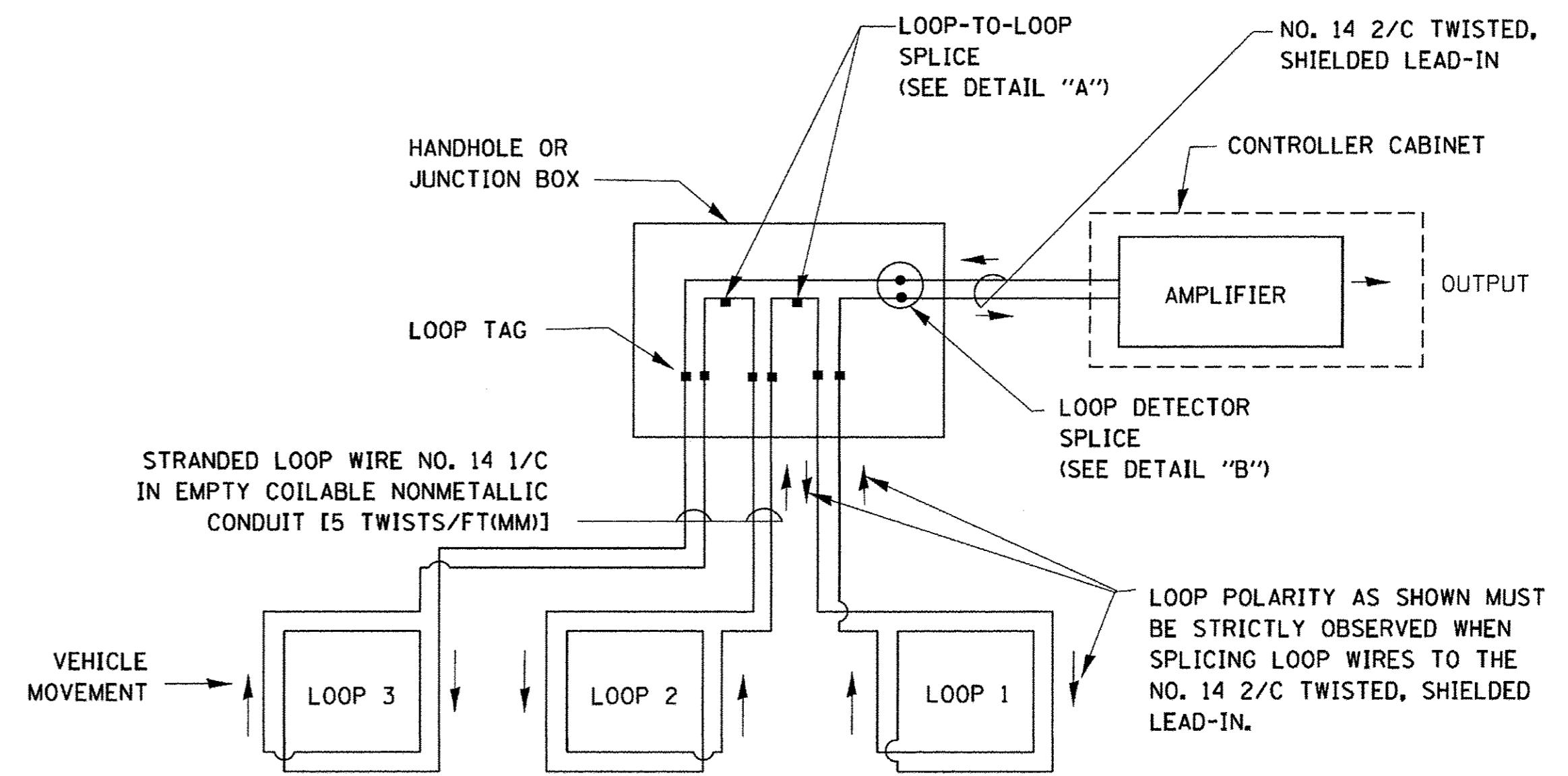
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. xx OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	50
TC-22			CONTRACT NO. 61D30	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

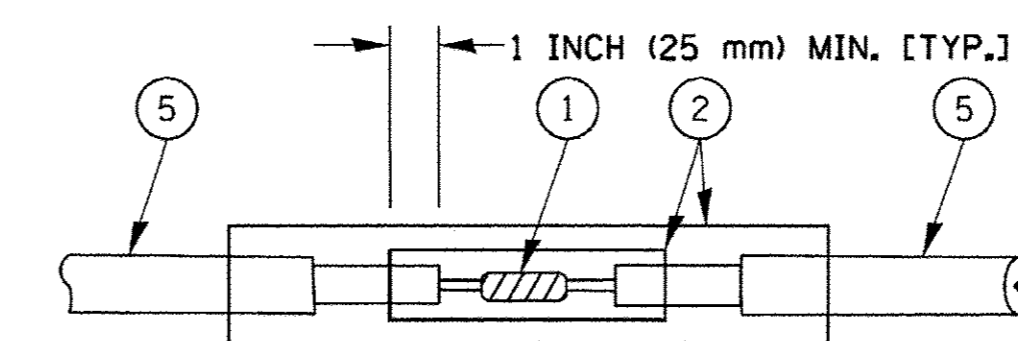
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

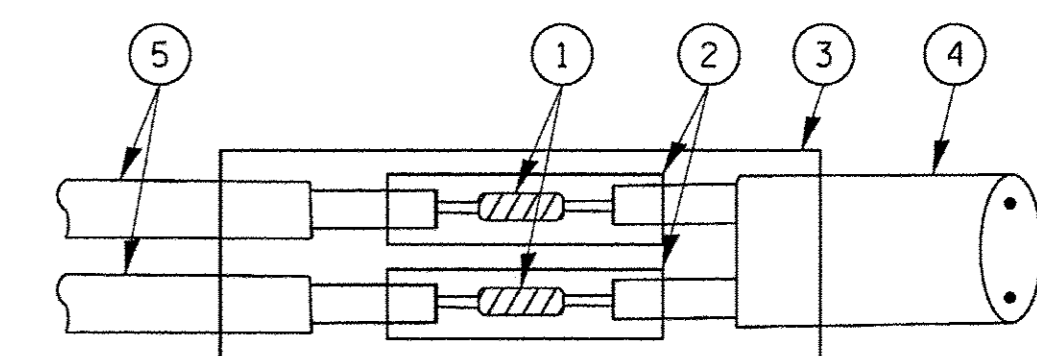


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE. THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

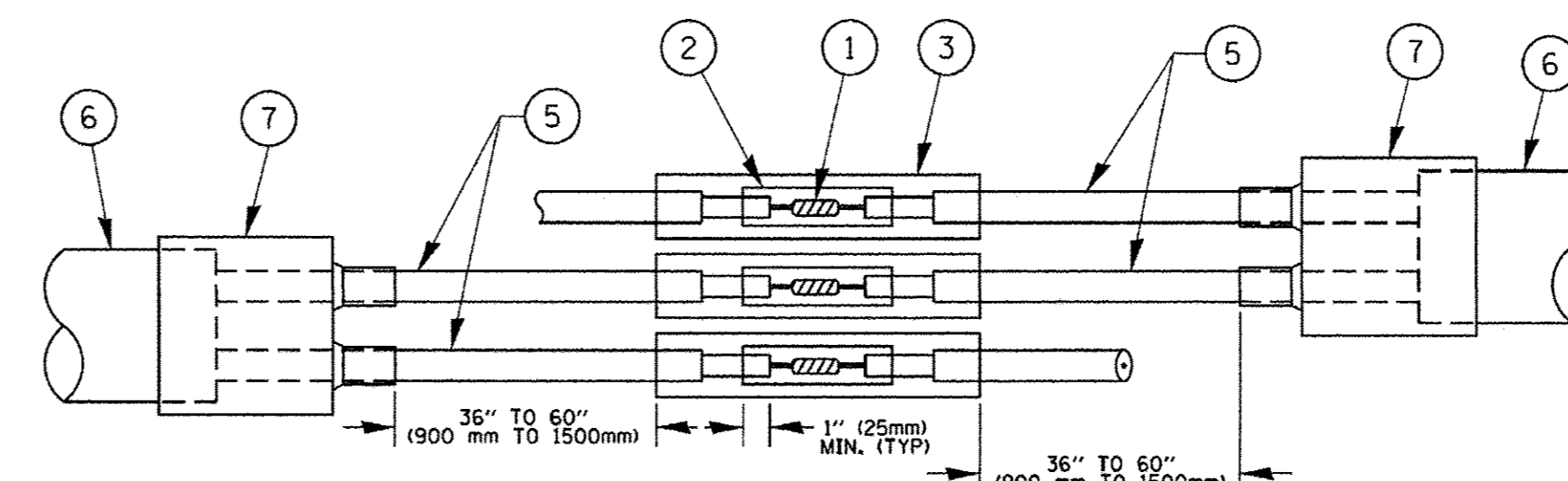


DETAIL "A"
LOOP-TO-LOOP SPLICE

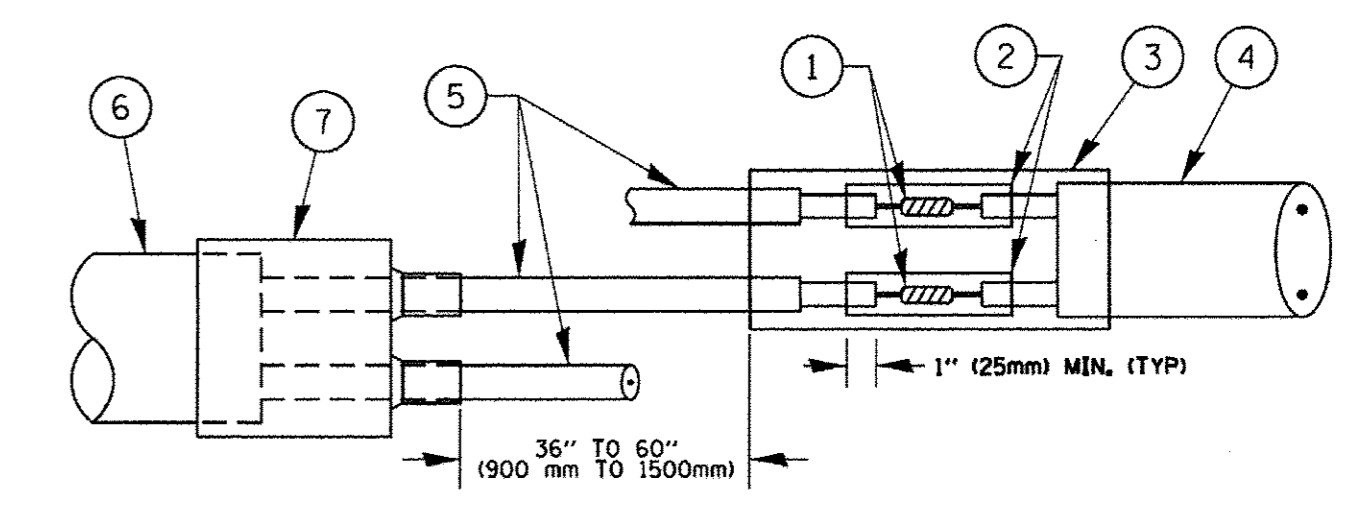


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



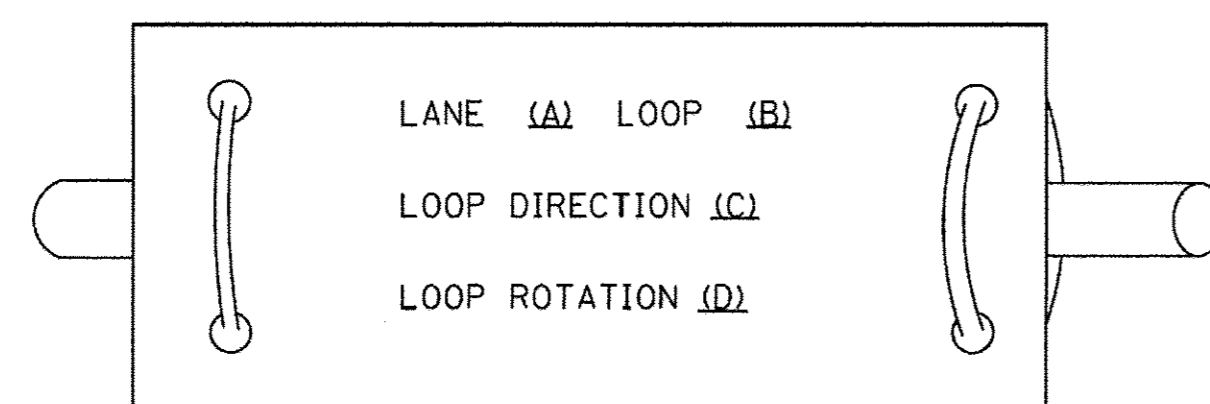
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

LOOP LEAD-IN CABLE TAG



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

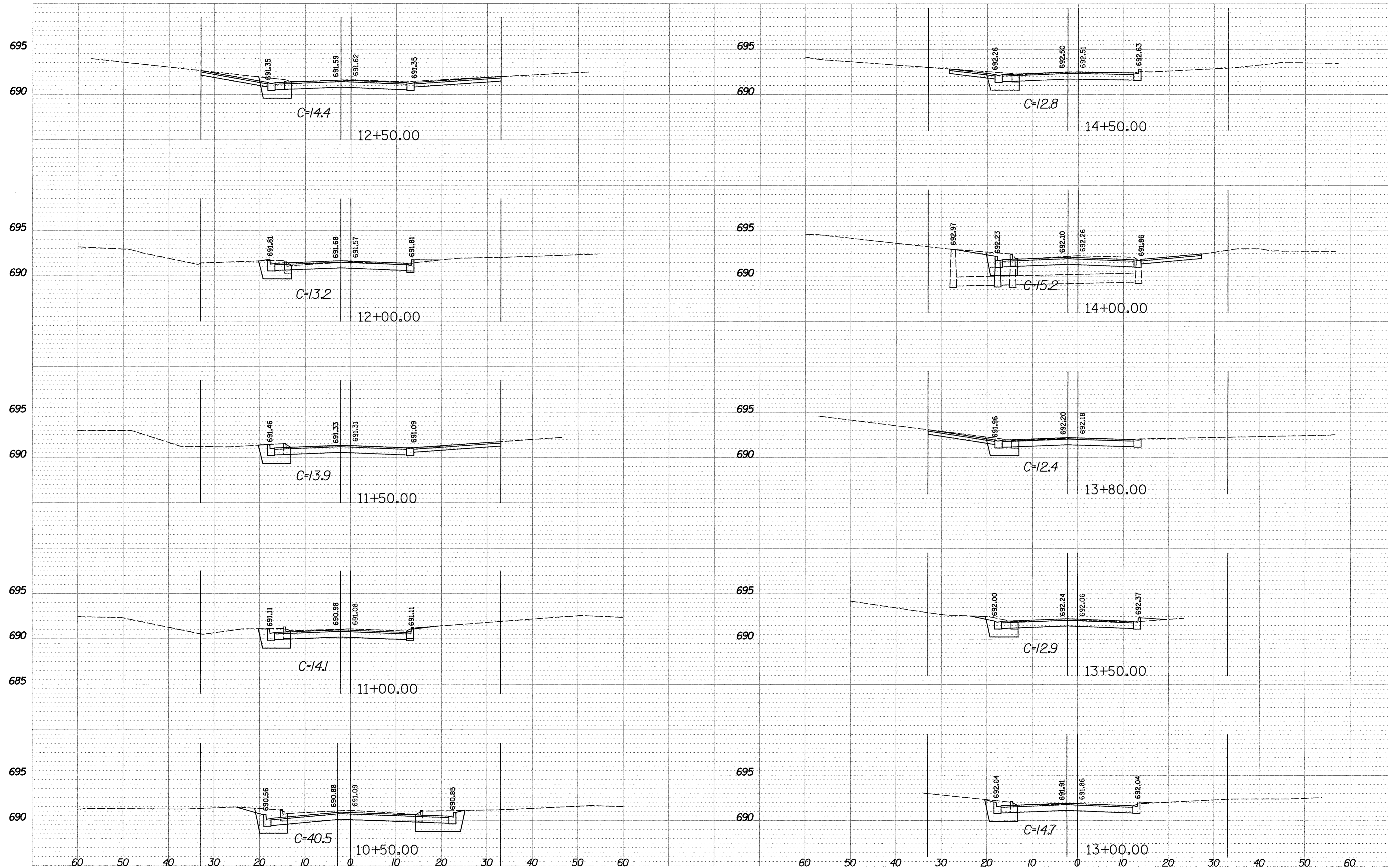
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	51
TS-05		CONTRACT NO. 61D30		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

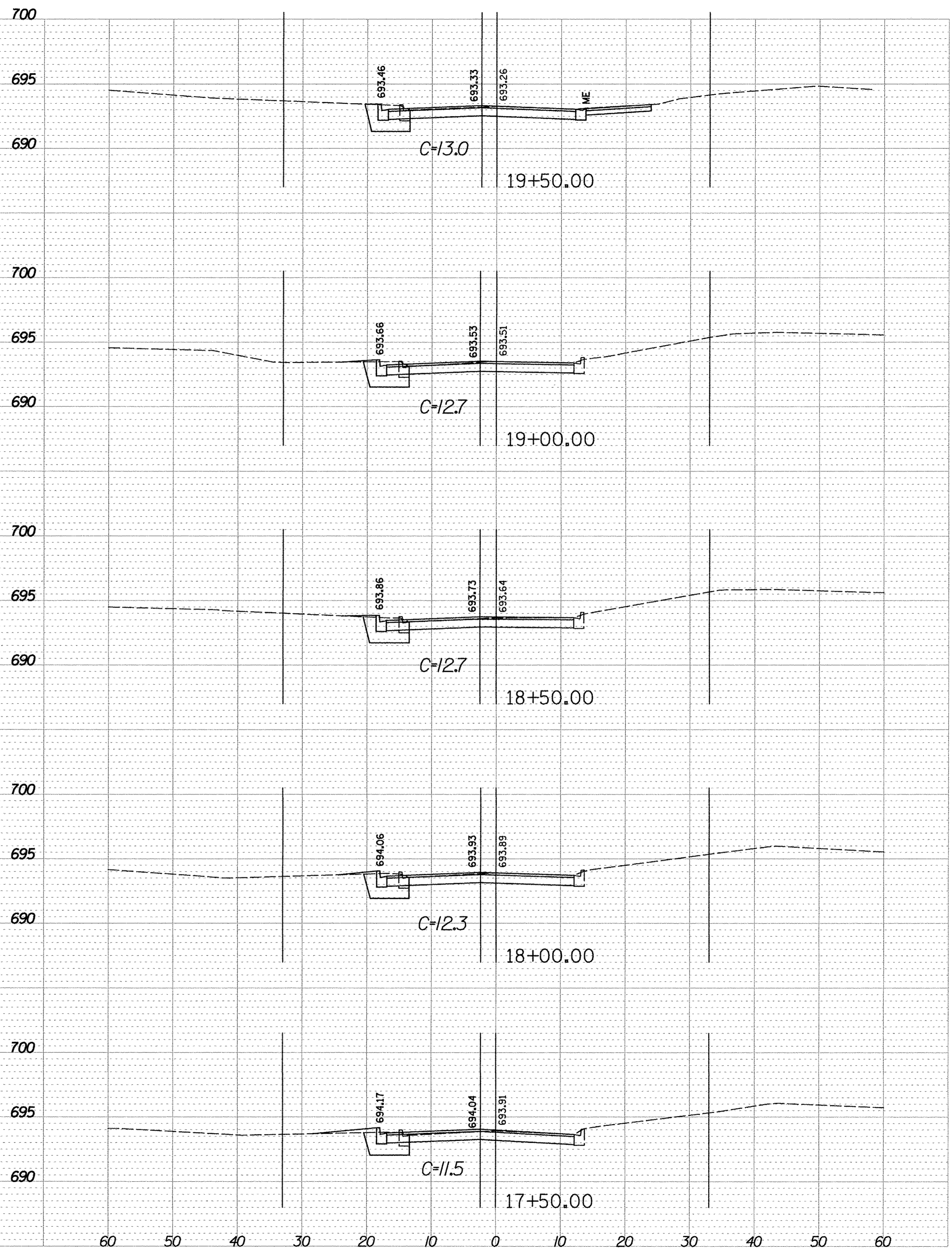
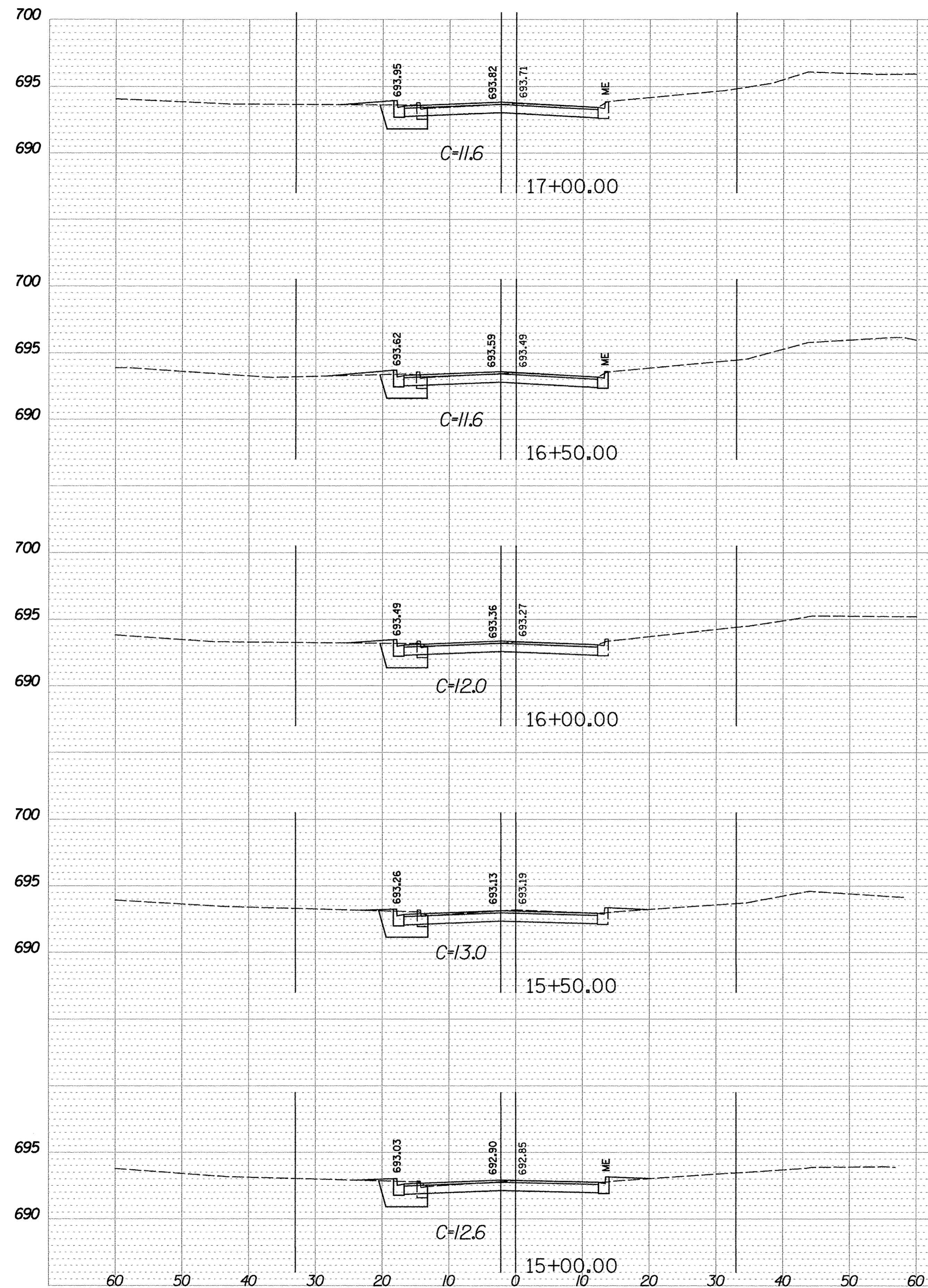


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	PLOT DATE = 10/17/2016	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALDER DRIVE CROSS SECTIONS STA 10+50 TO STA 14+50			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	53
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D30	



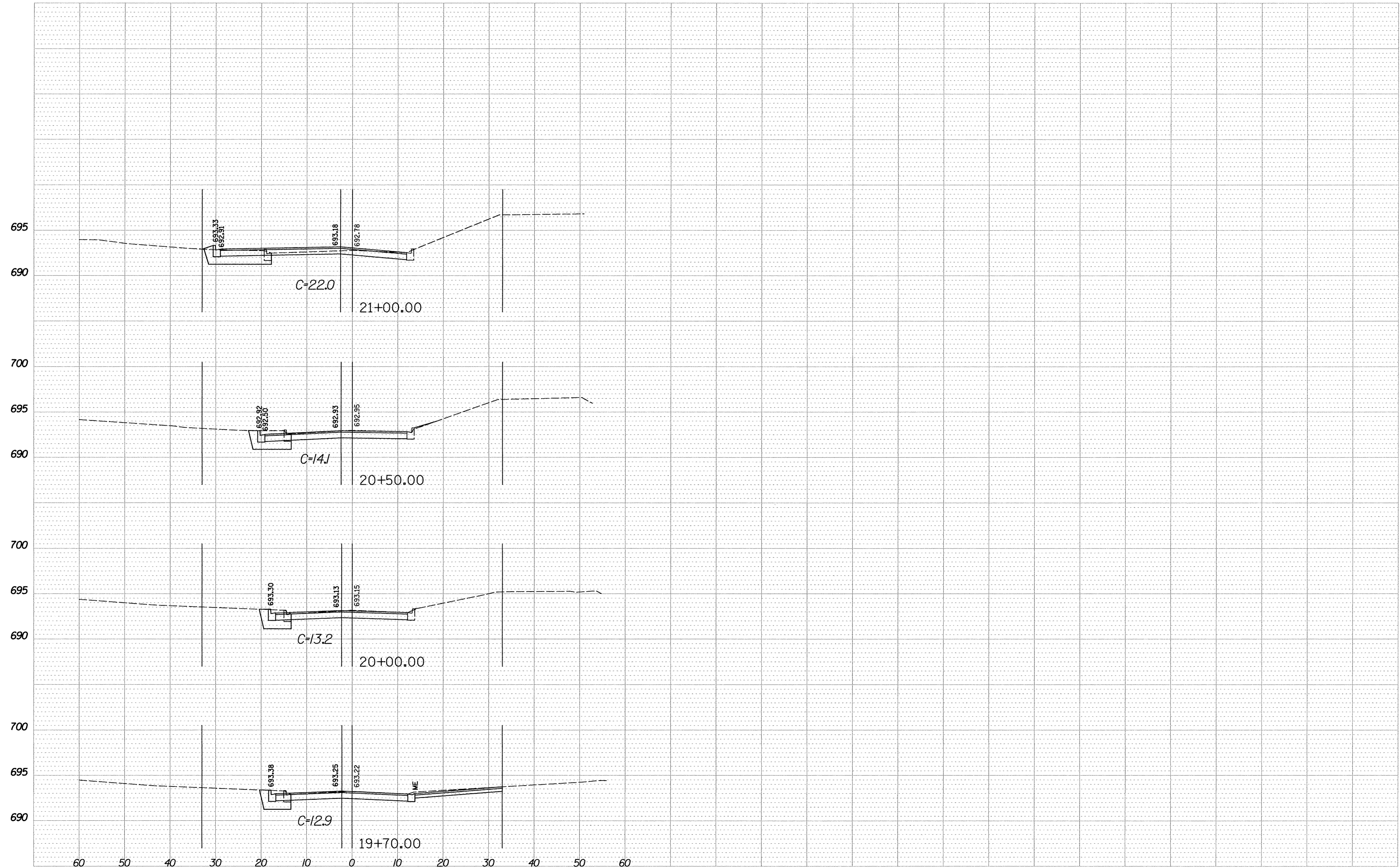
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		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALDER DRIVE
CROSS SECTIONS
STA 15+00 TO STA 19+50**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61D30				

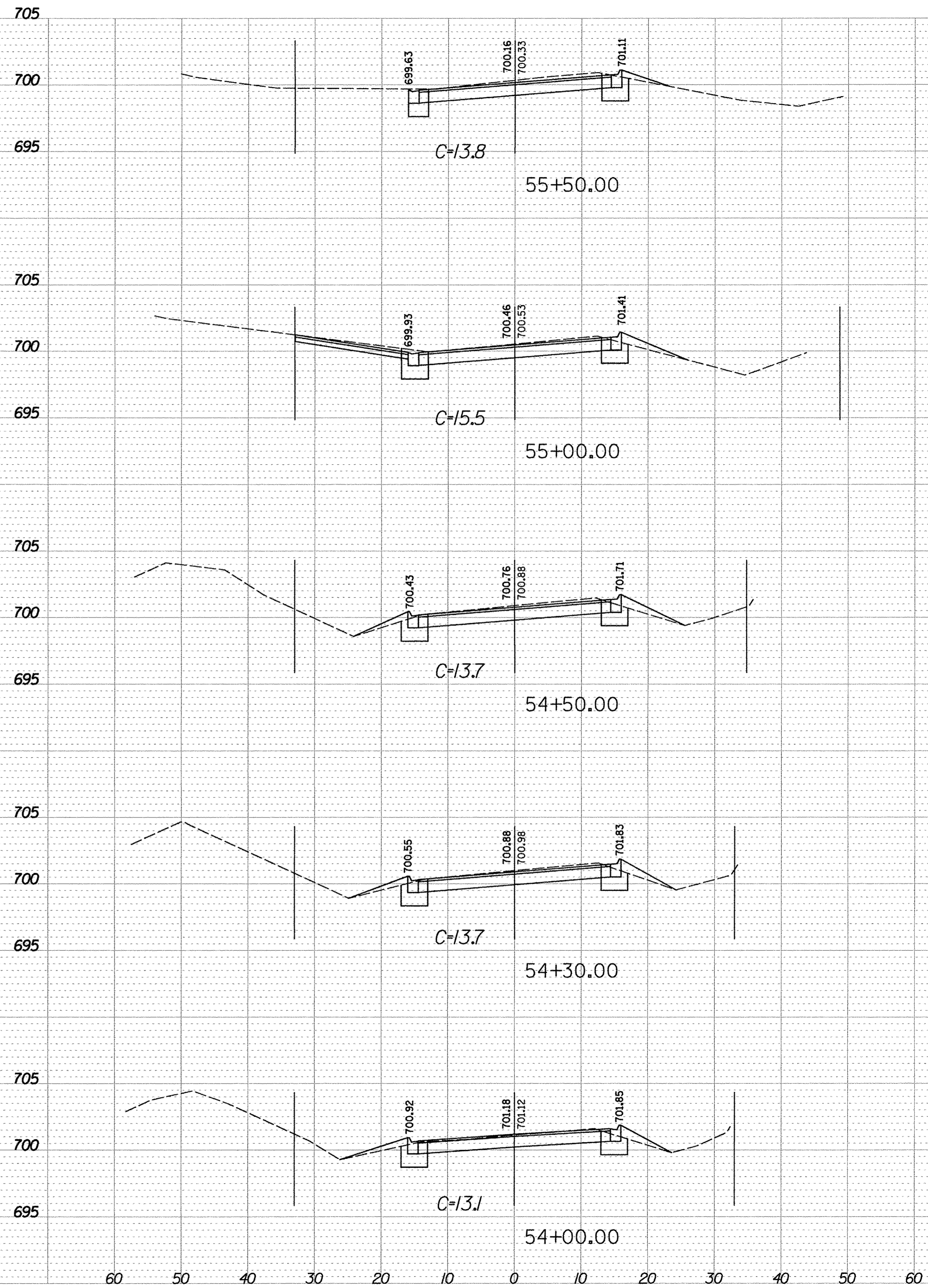
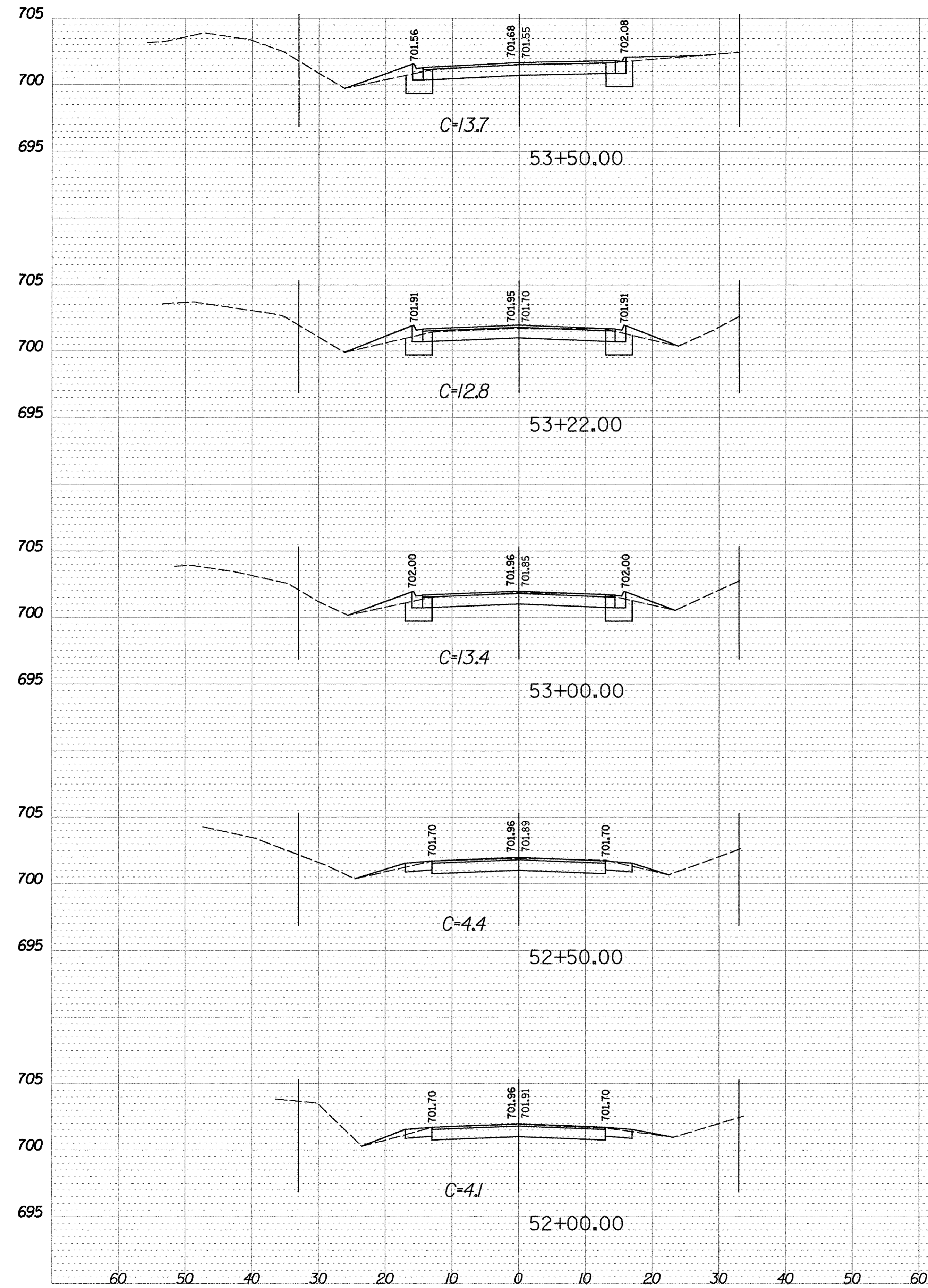


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALDER DRIVE CROSS SECTIONS STA 19+70 TO STA 21+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 55
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

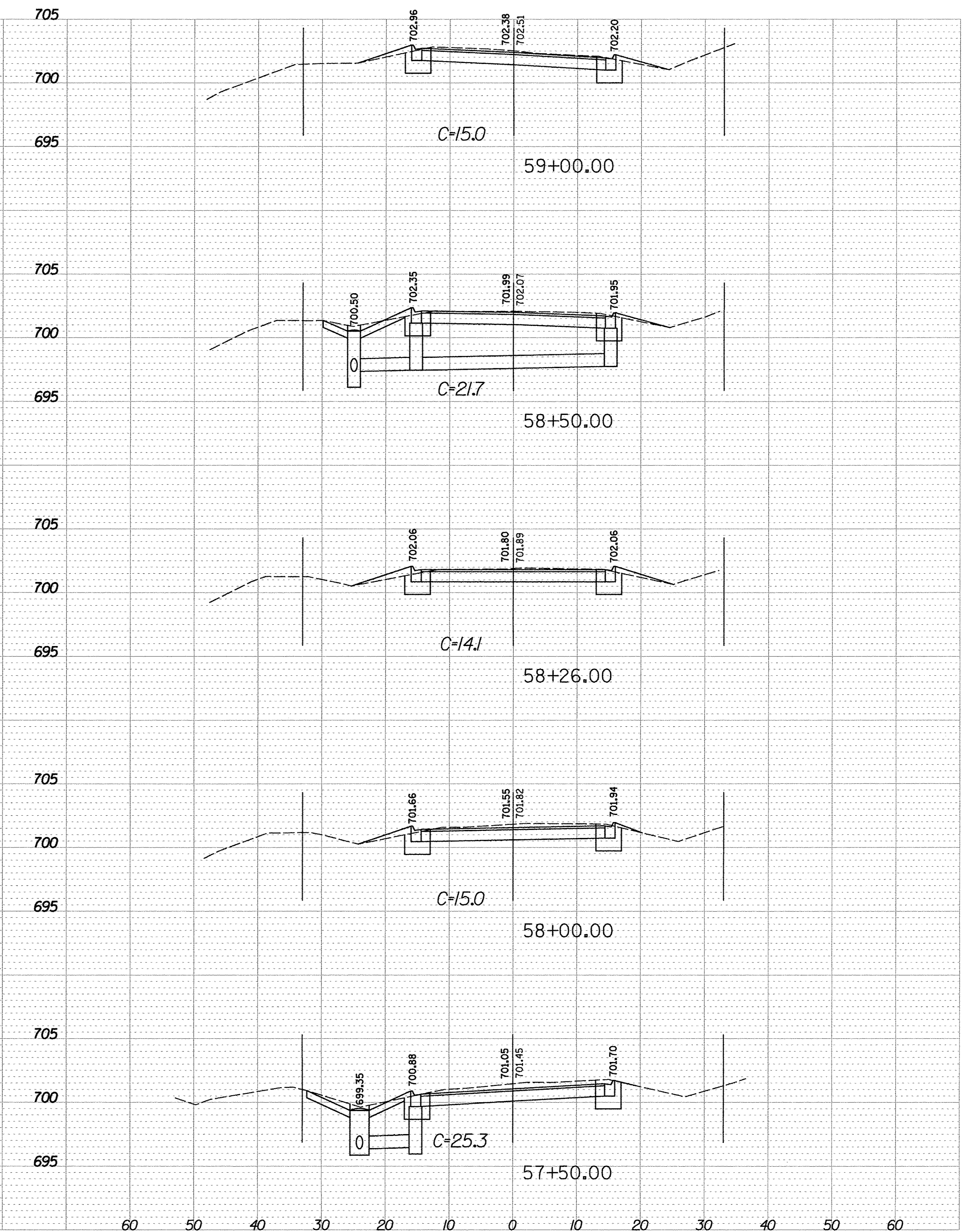
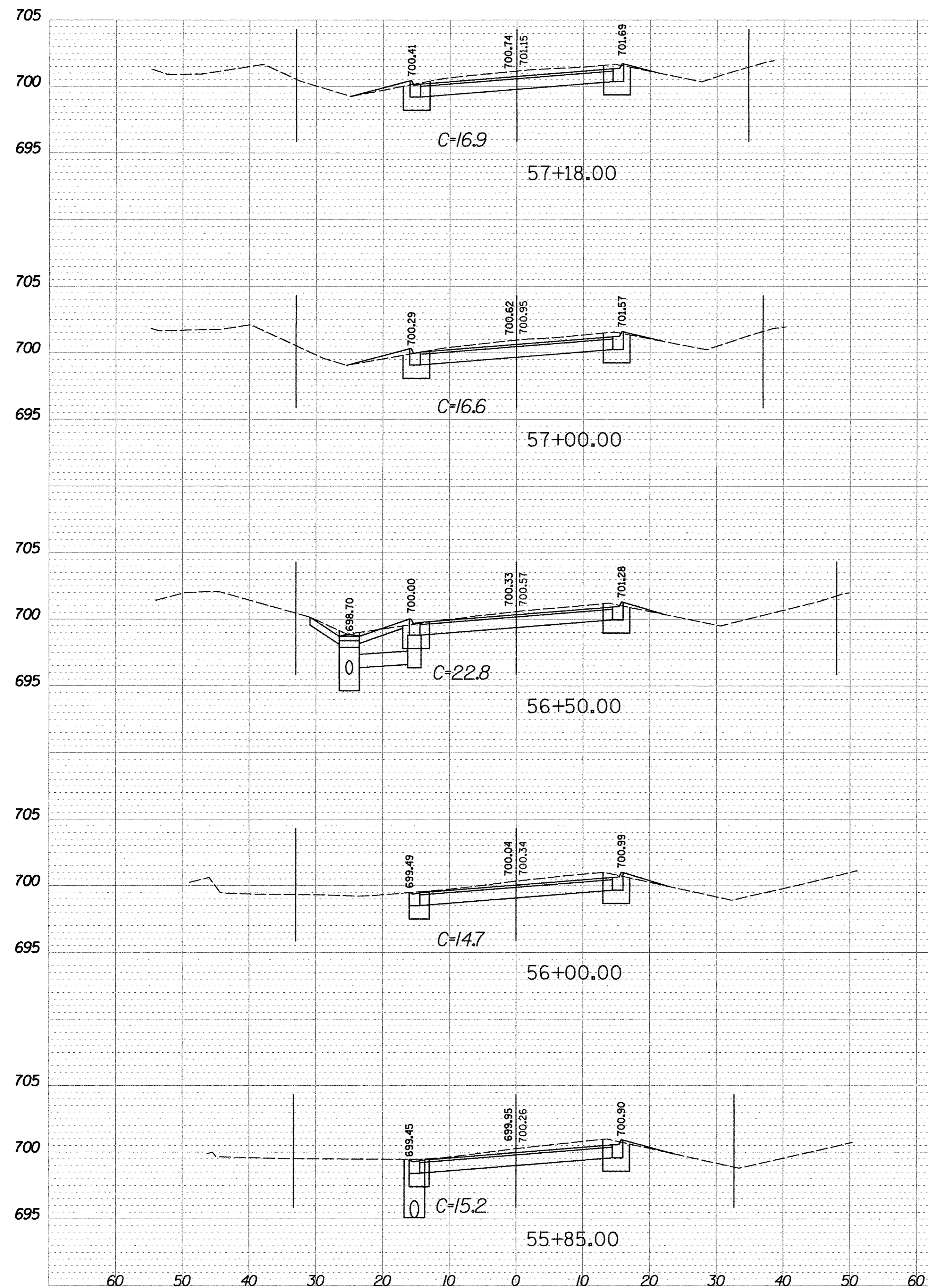


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	PLOT DATE = 10/17/2016	DRAWN -	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD CROSS SECTIONS STA 52+00 TO STA 55+50			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 56
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

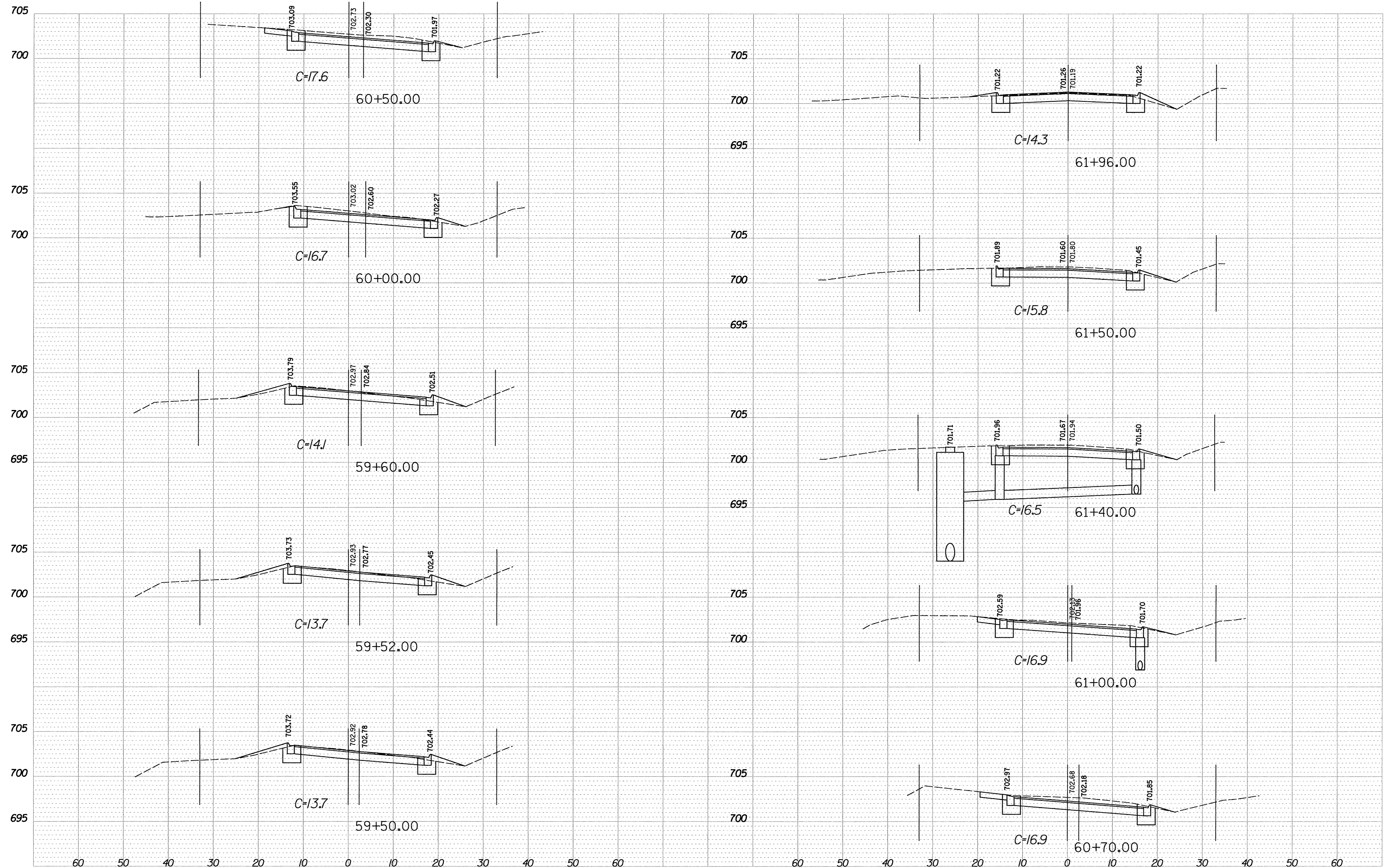


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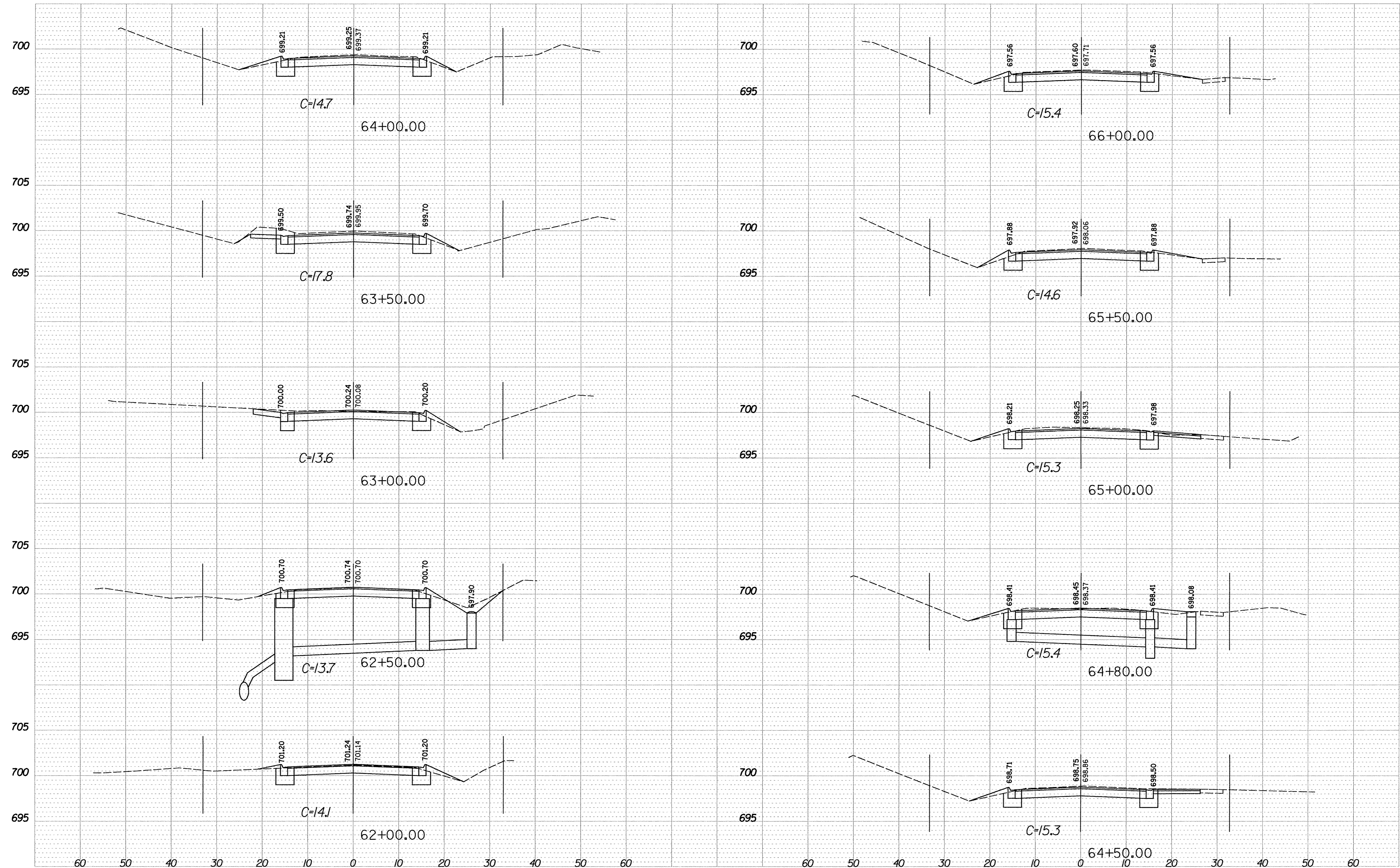
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD CROSS SECTIONS STA 55+85 TO STA 59+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

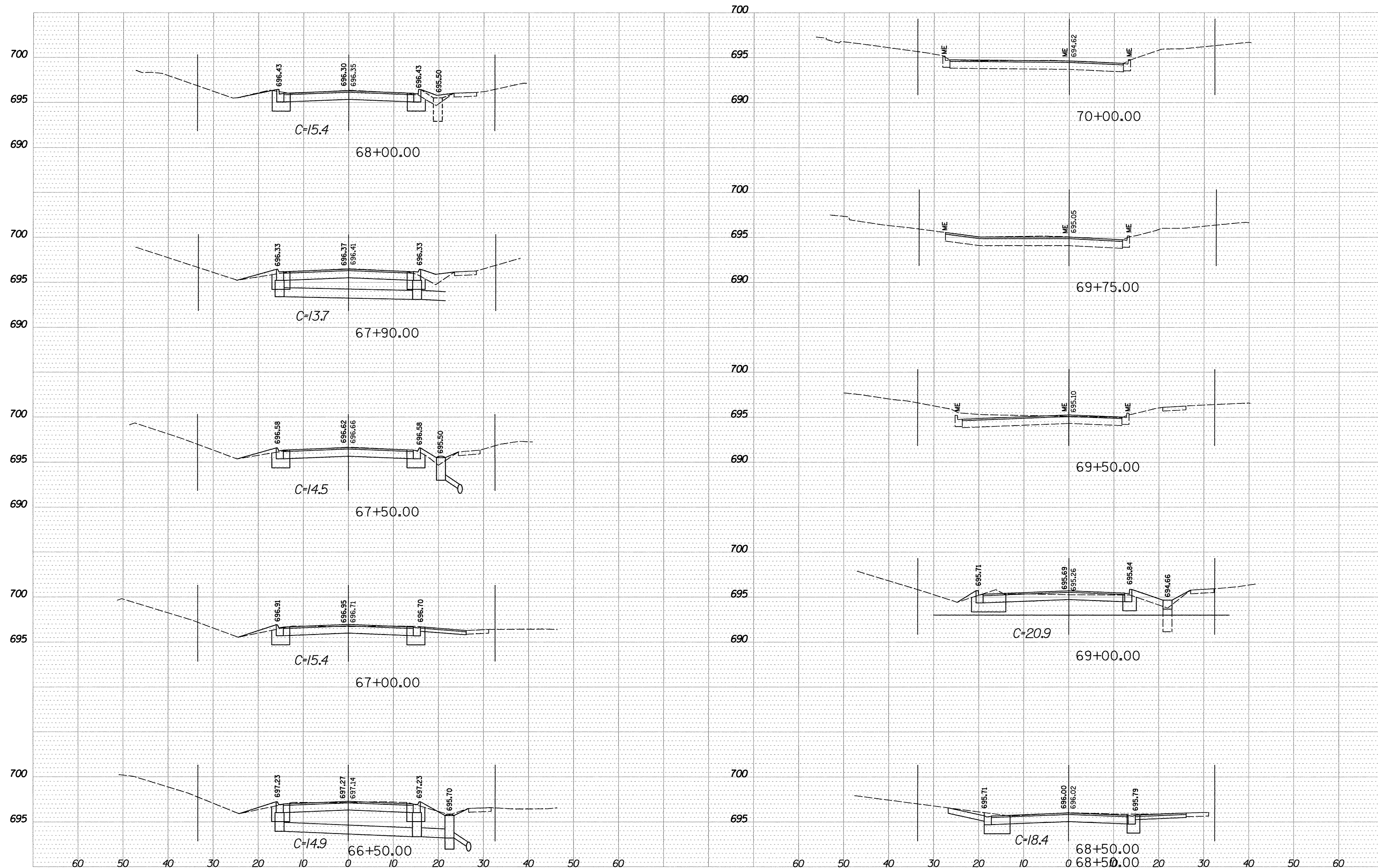
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1649	16-00056-00-PV	KANE	61	57
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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PLOT SCALE = 10.0000 ft / in. PLOT DATE = 10/17/2016					SCALE:	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 61D30 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					



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	PLOT SCALE = 10.0000 ft / in.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61D30
	PLOT DATE = 10/17/2016	DRAWN -	REVISED -									
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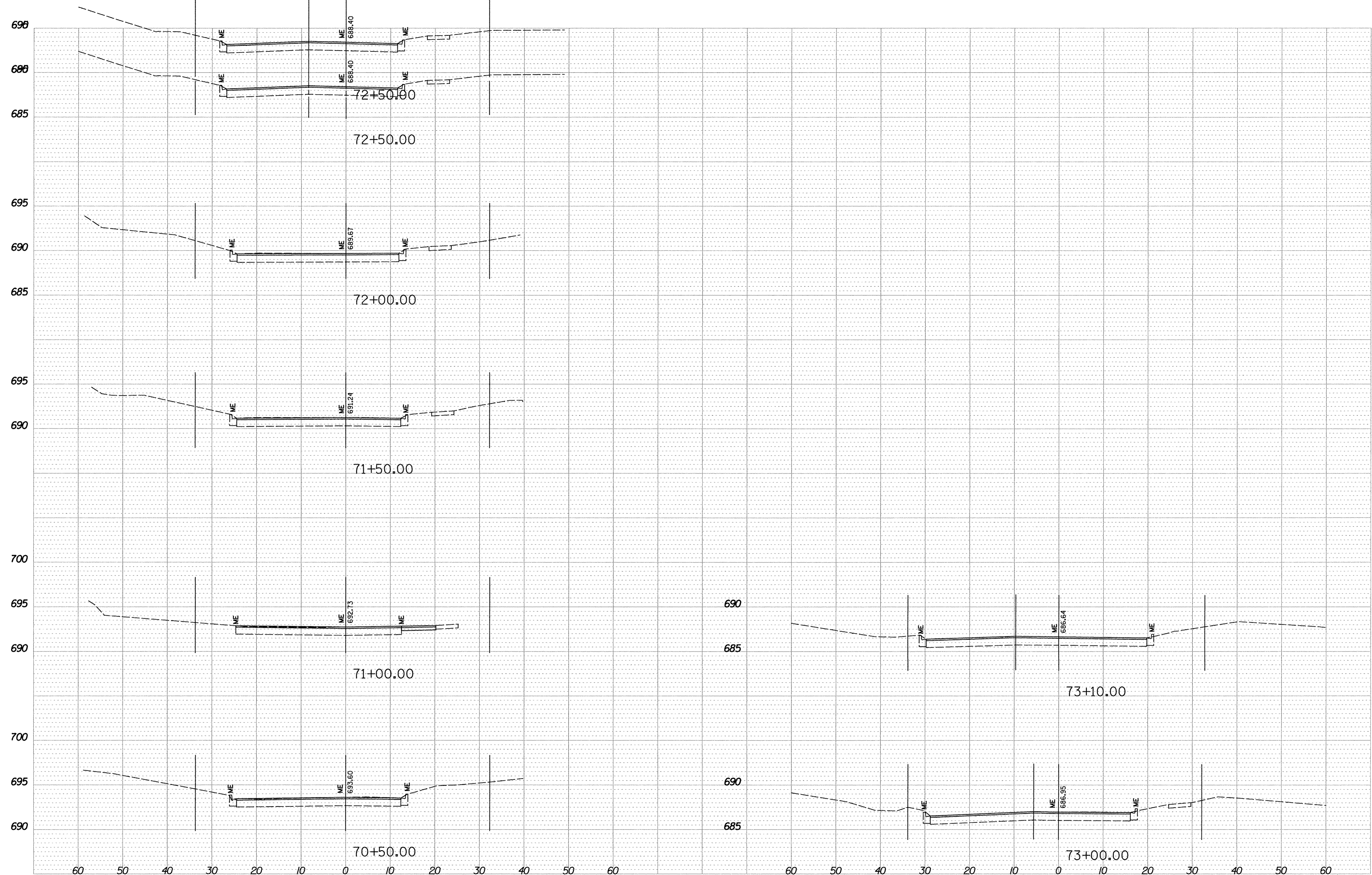


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	PLOT DATE = 10/17/2016	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD CROSS SECTIONS STA 66+50 TO STA 70+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 60
CONTRACT NO. 61D30				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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	PLOT DATE = 10/17/2016	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AIRPORT ROAD CROSS SECTIONS STA 70+50 TO STA 73+10			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1649	SECTION 16-00056-00-PV	COUNTY KANE	TOTAL SHEETS 61	SHEET NO. 61
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D30				