

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60D43		

29
+1
30

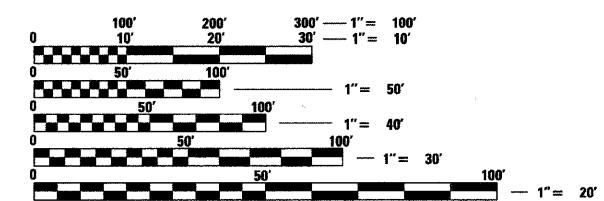
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

F.A.U. 2697 (FLAVIN ROAD)
IL 171 (ARCHER AVE.) TO 95TH ST.
RESURFACING (SKIDPROOFING)
SECTION 2007-051 Q
PROJECT: ACHSIP-2697(004)
COOK COUNTY
C-91-019-08

FOR INDEX OF SHEETS SEE SHEET 2

THIS IMPROVEMENT IS LOCATED
WITHIN THE VILLAGE OF WILLOW SPRINGS

TRAFFIC DATA
2005 ADT - 12,100
POSTED SPEED LIMIT - 40 MPH

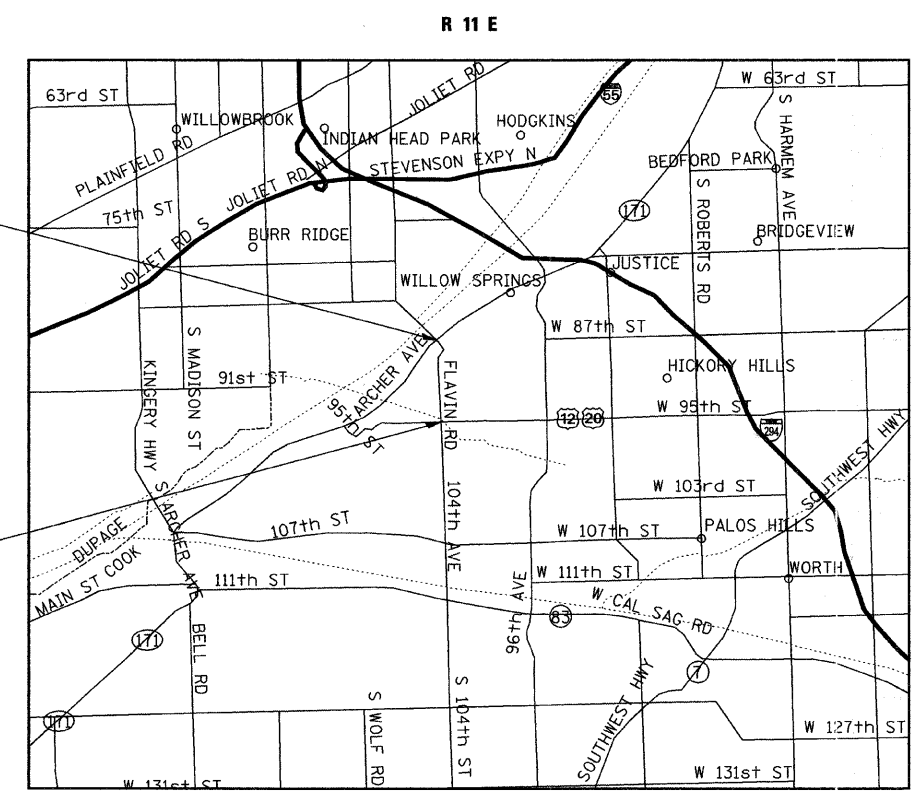


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

END IMPROVEMENT
STA. 154 + 15.35

BEGIN IMPROVEMENT
STA. 100 + 60.70

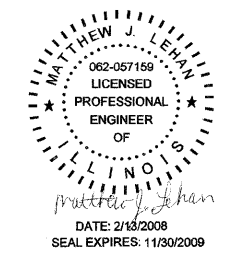


DISTRICT 1 DESIGN PLAN PREPARATION ENGINEER: K. ENG (847)705-4247

CONTRACT NO. 60D43

Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 :: (773) 775-4009

YORK TOWNSHIP
LOCATION MAP
1" = 5000'
GROSS AND NET LENGTH OF PROJECT = 5354.65 FT = 1.01 MI.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED FEBRUARY 13, 2008
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 21, 2008
Eric E. Horan
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT
March 21, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATIONS IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- WHEN MILLED PAVEMENT IS OPENED TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 3:1 (H:V).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS", UNLESS OTHERWISE SPECIFIED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.004 TONS/SQ YD
HOT-MIX ASPHALT SURFACE COURSE	112 LBS/SQ YD/INCH
POLYMERIZED LEVELING BINDER (MACHINE METHOD)	105 LBS/SQ TD/INCH
- THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISORS AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE START OF WORK.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANANT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT (708) 597-9800.
- PLEASE CONTACT STEVE LIPKIE AT (847) 705-4173 IN THE ROADSIDE DEVELOPMENT UNIT 48 HOURS PRIOR TO PRUNING AND SELECTIVE CLEARING WORK. THE R.O.W. SHALL BE CLEARLY FLAGGED PRIOR TO THIS WORK.

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02/28/08	DRAWN - WBL	REVISED -
PLOT SCALE = 0.9799' / IN.	CHECKED - MJL	REVISED -
PLOT DATE = 2/27/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95 ST.
 INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	

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

SUMMARY OF QUANTITIES				TOTAL QUANTITY	CONSTRUCTION TYPE CODE URBAN ROADWAY 1000-2A
CODE NO.	DESCRIPTION	UNIT			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	110	110	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	94	94	
20400800	FURNISHED EXCAVATION	CU YD	209	209	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	450	450	
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
25100630	EROSION CONTROL BLANKET	SQ YD	450	450	
28000400	PERIMETER EROSION BARRIER	FOOT	700	700	
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15	15	
40600300	AGGREGATE (PRIME COAT)	TON	60	60	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	280	280	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	650	650	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	55	55	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1825	1825	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	18,100	18,100	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	352	352	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	170	170	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	3290	3290	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6220	6220	
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	3500	3500	
60255800	MANHOLE TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	625	625	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8	
63200310	GUARDRAIL REMOVAL	FOOT	821	821	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1100	1100	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1100	1100	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	21900	21900	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	400	400	

SUMMARY OF QUANTITIES				TOTAL QUANTITY	CONSTRUCTION TYPE CODE URBAN ROADWAY 1000-2A
CODE NO.	DESCRIPTION	UNIT			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	43	43	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5	
* 72900100	METAL POST - TYPE A	FOOT	42	42	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,500	20,500	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	22	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	340	340	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	168	168	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	800	800	
Z0064800	SELECTIVE CLEARING	UNIT	10	10	

20101300 TREE PRUNING (1 TO 10 INCH DIAMETER) EACH 10 10
20101350 TREE PRUNING (OVER 10 INCH DIAMETER) EACH 20 20
44002212 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3" SQ YD 3820 3820
70102625 TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 L SUM 1 1
K1004595 PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE L SUM 1 1

* SPECIALTY ITEMS

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PLOT DATE = 2/15/2008

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DRAWN - WBL
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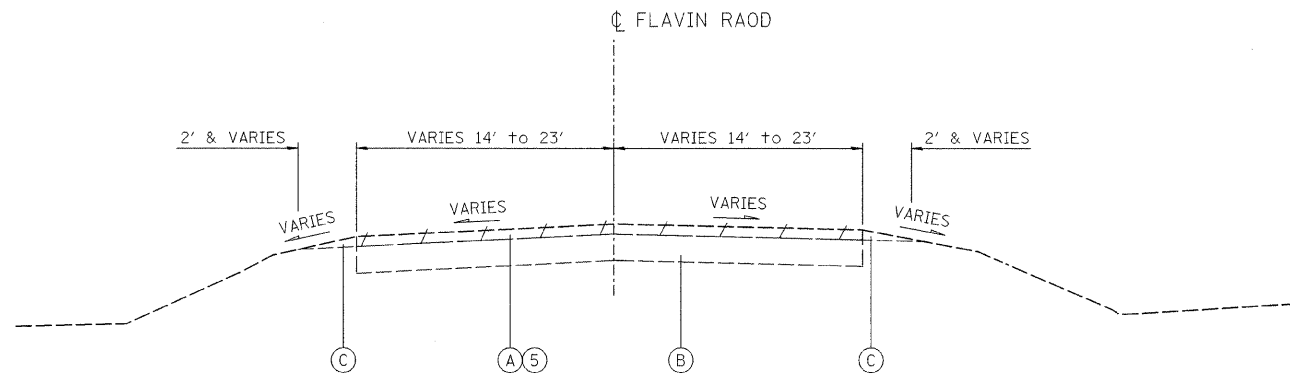
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

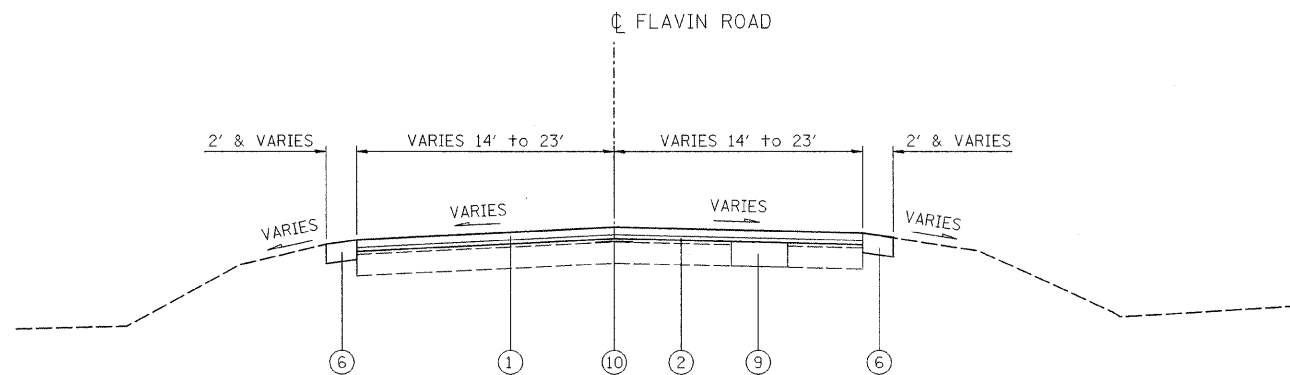
FAU 2697 (FLAVIN ROAD)
IL 171 (ARCHER AVE.) TO 95TH ST.
SUMMARY OF QUANTITIES
SCALE: NO SCALE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	

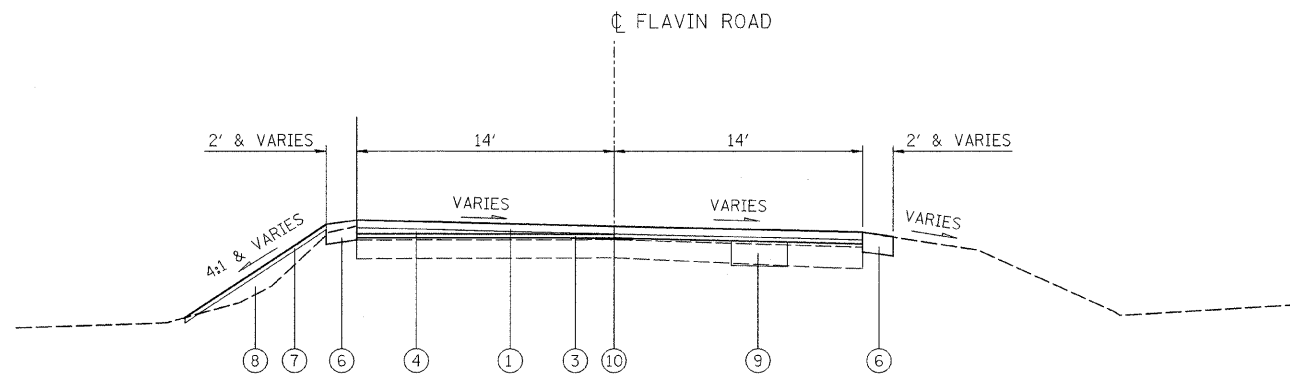
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EXISTING TYPICAL SECTION
STA. 100+60.70 TO STA. 154+15.33



PROPOSED TYPICAL SECTION
STA. 100+60.70 TO STA. 137+50.00
STA. 143+50.00 TO STA. 143+50.00



PROPOSED TYPICAL SECTION
FOR SUPERELEVATION CORRECTION
STA. 137+50.00 TO STA. 143+50.00

EXISTING LEGEND

- (A) HOT-MIX ASPHALT COURSE 3"
- (B) EXISTING P.C.C. BASE COURSE 9"
- (C) AGGREGATE SHOULDER

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, VARIES 3/4" TO 1" (FOR SUPERELEVATION CORRECTION)
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIES 2 1/4" TO 8 1/4" (FOR SUPERELEVATION CORRECTION) (ANY THICKNESSES > 2 1/4" MUST BE DONE IN SEPARATE LIFTS.)
- (5) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (6) AGGREGATE SHOULDERS, TYPE B 4"
- (7) TOPSOIL FURNISH AND PLACE, 6"
- (8) FURNISHED EXCAVATION
- (9) CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	SBS/SBR PG 70-22	4% @ 90 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22*	4% @ 70 GYR.
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
PATCHING	CLASS D PATCHES, 10" (HMA BINDER IL-19MM)	PG 64-22*	4% @ 70 GYR.

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES QUANTITIES IS 112 LBS/SQYD/IN
*WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

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USER NAME = wjanoster	DESIGNED - WBL	REVISED -
PLOT SCALE = 1.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
IL 171 (ARCHER AVE.) TO 95TH ST.
TYPICAL SECTIONS**

SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 2697	SECTION 2007-05J 0	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

EARTHWORK SCHEDULE								
STATION			20200100		20201200			20400800
			EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	FURNISHED EXCAVATION
LINE "FLAVIN"			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
137+25.00	TO	137+50.00	0	0	2	1	-1	1
137+50.00	TO	137+75.00	0	0	7	11	-11	11
137+75.00	TO	138+00.00	0	0	12	21	-21	21
138+00.00	TO	138+25.00	0	0	12	22	-22	22
138+25.00	TO	138+50.00	0	0	13	27	-27	27
138+50.00	TO	138+75.00	0	0	15	41	-41	41
138+75.00	TO	139+00.00	0	0	16	50	-50	50
139+00.00	TO	139+25.00	0	0	13	30	-30	30
139+25.00	TO	139+50.00	0	0	6	7	-7	7
139+50.00	TO	139+75.00	0	0	1	1	-1	1
TOTALS			0	0	94	209	-209	209

SUMMARY	
20201200	20400800
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION
(CU YD)	(CU YD)
94	209

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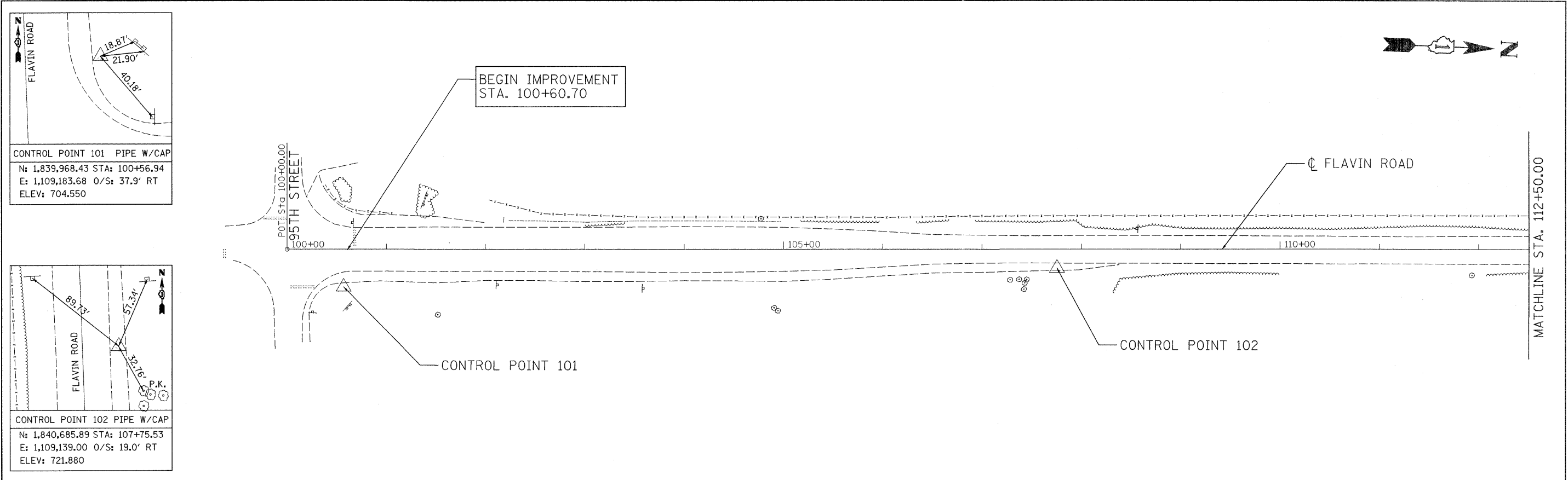
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	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
IL 171 (ARCHER AVE.) TO 95TH ST.
EARTHWORK SCHEDULE**

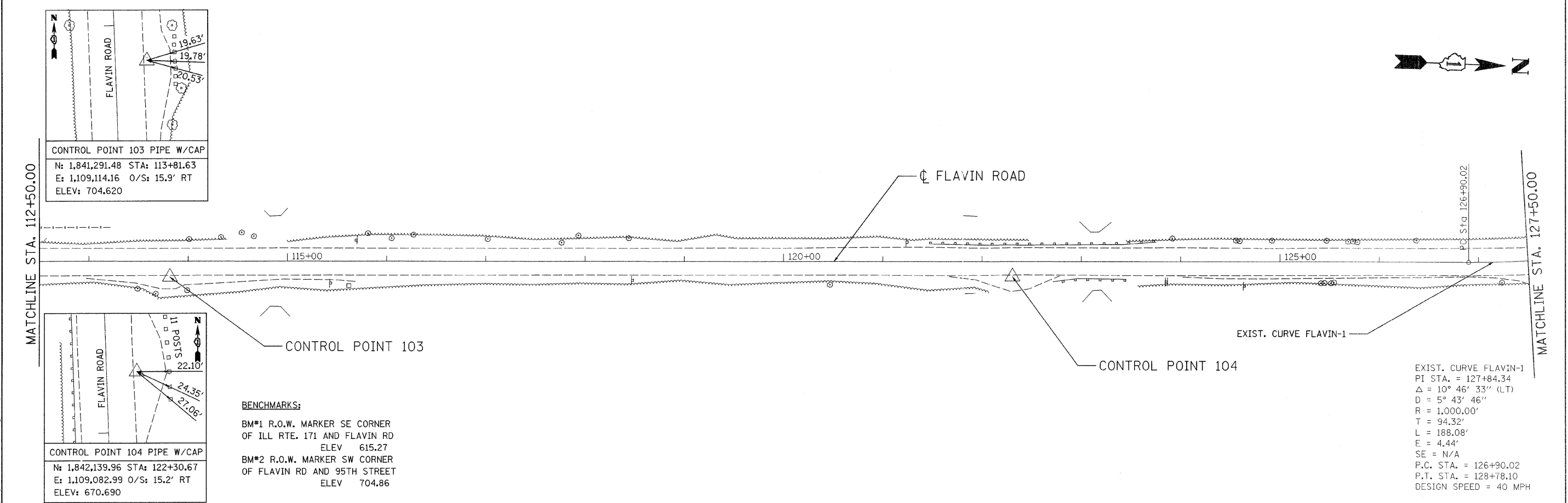
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	



CONTROL POINT 101 PIPE W/CAP
 N: 1,839,968.43 STA: 100+56.94
 E: 1,109,183.68 O/S: 37.9' RT
 ELEV: 704.550

CONTROL POINT 102 PIPE W/CAP
 N: 1,840,685.89 STA: 107+75.53
 E: 1,109,139.00 O/S: 19.0' RT
 ELEV: 721.880



CONTROL POINT 103 PIPE W/CAP
 N: 1,841,291.48 STA: 113+81.63
 E: 1,109,114.16 O/S: 15.9' RT
 ELEV: 704.620

CONTROL POINT 104 PIPE W/CAP
 N: 1,842,139.96 STA: 122+30.67
 E: 1,109,082.99 O/S: 15.2' RT
 ELEV: 670.690

BENCHMARKS:
 BM#1 R.O.W. MARKER SE CORNER
 OF ILL. RTE. 171 AND FLAVIN RD
 ELEV 615.27
 BM#2 R.O.W. MARKER SW CORNER
 OF FLAVIN RD AND 95TH STREET
 ELEV 704.86

EXIST. CURVE FLAVIN-1
 PI STA. = 127+84.34
 $\Delta = 10^\circ 46' 33''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 94.32'$
 $L = 188.08'$
 $E = 4.44'$
 $SE = N/A$
 P.C. STA. = 126+90.02
 P.T. STA. = 128+78.10
 DESIGN SPEED = 40 MPH

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CG Ciorba Group, Inc.
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USER NAME = wlancoaster	DESIGNED - WBL	REVISED -
	DRAWN - WBL	REVISED -
PLOT SCALE = 50.0000' / IN.	CHECKED - MJL	REVISED -
PLOT DATE = 2/15/2008	DATE = 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

FAU 2679 (FLAVIN ROAD) IL 171 (ARCHER AVE.) TO 95TH ST. ALIGNMENT AND CONTROL POINTS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	

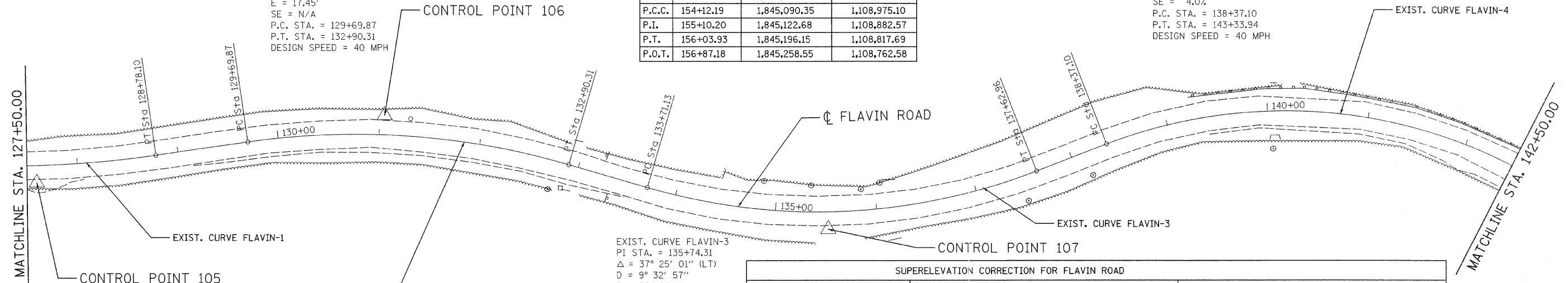
PROJECT COORDINATES

FLAVIN ROAD			
DESCRIPTION	NORTHING	EASTING	
P.O.T.	100+00.00	1,839,910.17	1,109,147.85
P.C.	126+90.02	1,842,598.46	1,109,051.27
P.I.	127+84.34	1,842,692.72	1,109,047.88
P.T.	128+78.10	1,842,784.67	1,109,026.93
P.C.	129+69.87	1,842,874.15	1,109,006.54
P.I.	131+32.57	1,843,032.79	1,108,970.41
P.T.	132+90.31	1,843,192.15	1,109,003.25
P.C.	133+71.13	1,843,271.30	1,109,019.56
P.I.	135+74.31	1,843,470.30	1,109,060.58
P.T.	137+62.96	1,843,653.28	1,108,972.24
P.C.	138+37.10	1,843,720.05	1,108,940.01
P.I.	141+09.25	1,843,965.13	1,108,821.68
P.T.	143+33.94	1,844,195.10	1,108,967.21
P.C.	147+19.63	1,844,521.02	1,109,173.45
P.I.	152+04.22	1,844,930.51	1,109,432.57
P.C.C.	154+12.19	1,845,090.35	1,108,975.10
P.I.	155+10.20	1,845,122.68	1,108,882.57
P.T.	156+03.93	1,845,196.15	1,108,817.69
P.O.T.	156+87.18	1,845,258.55	1,108,762.58



EXIST. CURVE FLAVIN-2
 PI STA. = 131+32.57
 $\Delta = 24^\circ 28' 48''$ (RT)
 $D = 7^\circ 38' 22''$
 $R = 750.00'$
 $T = 162.70'$
 $L = 320.44'$
 $E = 17.45'$
 $SE = N/A$
 P.C. STA. = 129+69.87
 P.T. STA. = 132+90.31
 DESIGN SPEED = 40 MPH

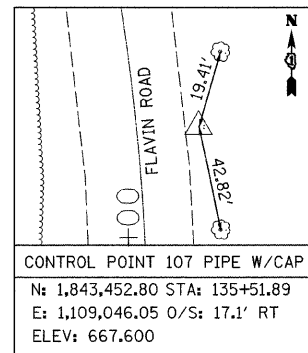
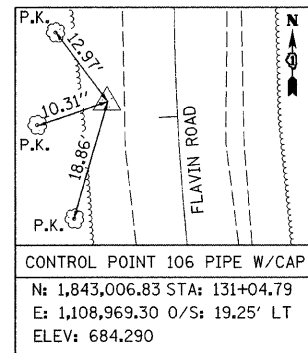
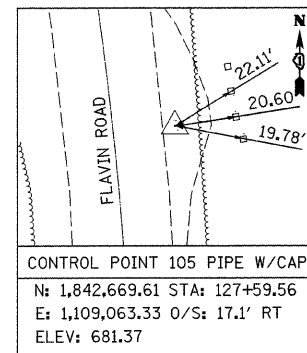
EXIST. CURVE FLAVIN-4
 PI STA. = 141+09.25
 $\Delta = 58^\circ 05' 45''$ (RT)
 $D = 11^\circ 41' 35''$
 $R = 490.00'$
 $T = 272.15'$
 $L = 496.84'$
 $E = 70.50'$
 $SE = 4.0\%$
 P.C. STA. = 138+37.10
 P.T. STA. = 143+33.94
 DESIGN SPEED = 40 MPH



EXIST. CURVE FLAVIN-3
 PI STA. = 135+74.31
 $\Delta = 37^\circ 25' 01''$ (LT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 203.19'$
 $L = 391.83'$
 $E = 33.47'$
 $SE = 2.0\%$
 P.C. STA. = 133+71.13
 P.T. STA. = 137+62.96
 DESIGN SPEED = 40 MPH

SUPERELEVATION CORRECTION FOR FLAVIN ROAD								
FLAVIN ROAD		SOUTHBOUND LANE			NORTHBOUND LANE			
CENTERLINE	ELEVATION	EXIST. S.E. (%)	PROP. S.E. (%)	PROP. LT. EOP.	EXIST. S.E. (%)	PROP. S.E. (%)	PROP. RT. EOP.	
137+25.00	659.71	-2.68%	-2.68%	659.33	0.62%	0.62%	659.80	
137+50.00	658.69	-1.99%	-1.88%	658.43	-0.06%	-0.06%	658.68	
137+75.00	657.65	-1.54%	-0.63%	657.56	-0.26%	-0.26%	657.61	
138+00.00	656.64	-1.40%	0.67%	656.74	-0.44%	-0.67%	656.54	
138+25.00	655.67	-1.41%	2.03%	655.96	-0.65%	-0.94%	655.53	
138+50.00	654.76	-1.18%	3.39%	655.24	-1.27%	-1.55%	654.53	
138+75.00	653.91	-0.63%	4.00%	654.50	-2.40%	-2.68%	653.52	
139+00.00	653.09	-0.14%	4.00%	653.68	-3.30%	-3.59%	652.57	
139+25.00	652.29	1.20%	4.00%	652.89	-3.83%	-4.00%	651.71	
139+50.00	651.53	1.93%	4.00%	652.14	-4.05%	-4.05%	650.96	
139+75.00	650.87	1.98%	4.00%	651.46	-3.96%	-3.96%	650.32	
140+00.00	650.31	2.15%	4.00%	650.88	-4.01%	-4.01%	649.75	
140+25.00	649.93	2.65%	4.00%	650.47	-4.11%	-4.11%	649.31	
140+50.00	649.53	3.19%	4.00%	650.07	-4.34%	-4.34%	648.87	
140+75.00	649.11	3.55%	4.00%	649.66	-4.80%	-4.80%	648.43	
141+00.00	648.69	3.69%	4.00%	649.28	-5.21%	-5.21%	648.02	
141+25.00	648.43	3.11%	4.00%	648.99	-5.27%	-5.27%	647.73	
141+50.00	648.14	2.72%	4.00%	648.71	-5.36%	-5.36%	647.46	
141+75.00	647.97	2.62%	4.00%	648.51	-5.49%	-5.49%	647.25	
142+00.00	647.79	2.91%	4.00%	648.33	-5.64%	-5.64%	647.07	
142+25.00	647.87	3.28%	4.00%	648.39	-5.73%	-5.73%	647.04	
142+50.00	647.89	3.72%	4.00%	648.43	-5.77%	-5.77%	647.02	
142+75.00	647.94	3.34%	4.00%	648.46	-5.27%	-5.27%	647.14	
143+00.00	647.95	2.94%	4.00%	648.50	-4.92%	-4.92%	647.27	
143+25.00	647.95	2.37%	3.16%	648.38	-4.55%	-4.55%	647.29	
143+50.00	697.94	1.88%	1.79%	648.20	-4.34%	-4.34%	647.33	
143+75.00	648.03	1.39%	1.39%	648.23	-4.22%	-4.22%	647.44	

EXIST. CURVE FLAVIN-1
 PI STA. = 127+84.34
 $\Delta = 10^\circ 46' 33''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 94.32'$
 $L = 188.08'$
 $E = 4.44'$
 $SE = N/A$
 P.C. STA. = 126+90.02
 P.T. STA. = 128+78.10
 DESIGN SPEED = 40 MPH



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PLOT SCALE = 50.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 ALIGNMENT AND CONTROL POINTS**

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

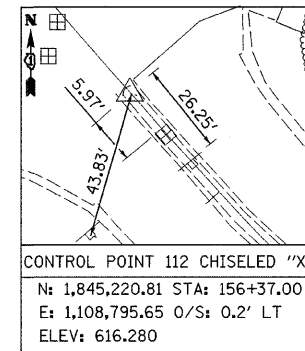
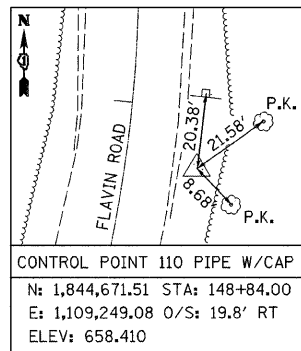
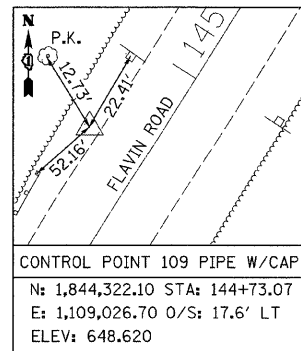
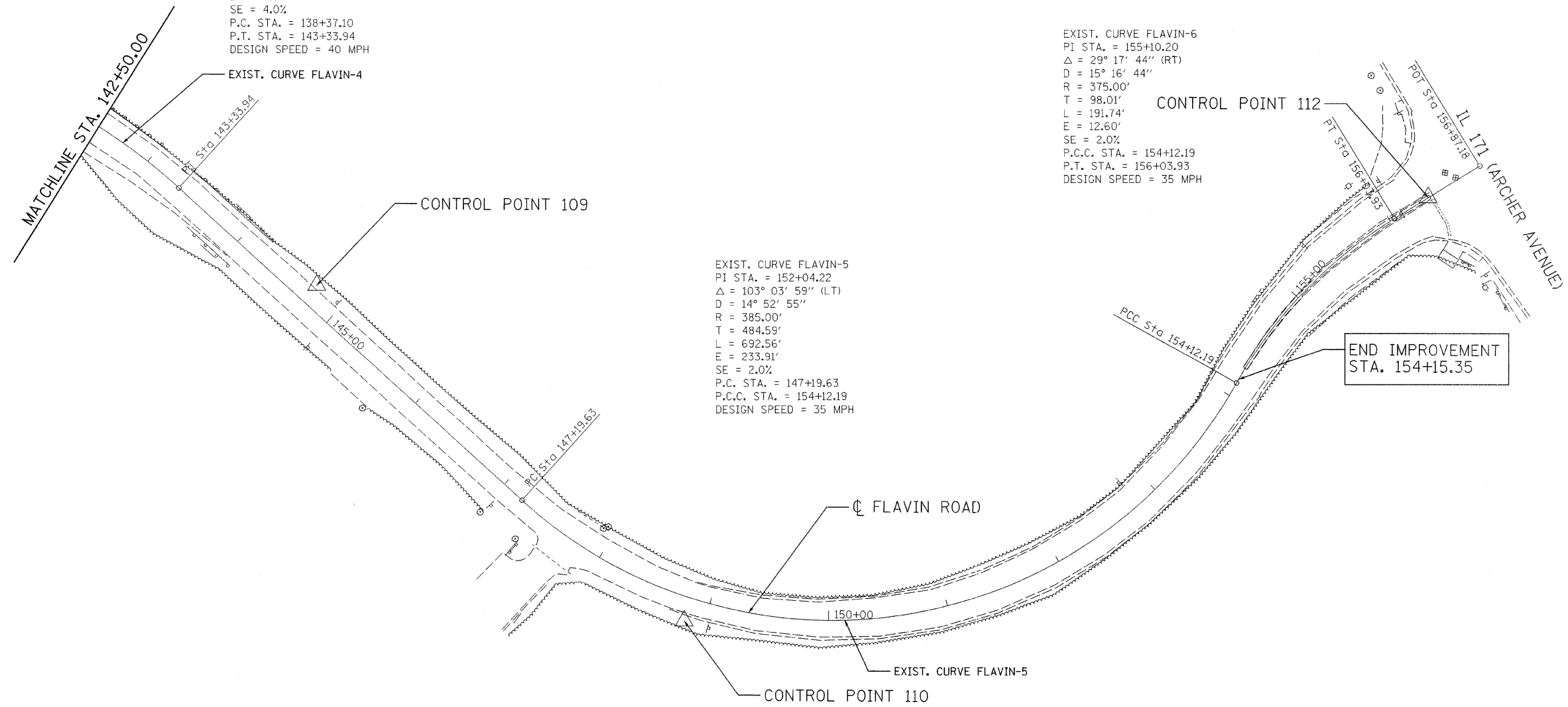
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	



EXIST. CURVE FLAVIN-4
 PI STA. = 141+09.25
 Δ = 58° 05' 45" (RT)
 D = 11° 41' 35"
 R = 490.00'
 T = 272.15'
 L = 496.84'
 E = 70.50'
 SE = 4.0%
 P.C. STA. = 138+37.10
 P.T. STA. = 143+33.94
 DESIGN SPEED = 40 MPH

EXIST. CURVE FLAVIN-6
 PI STA. = 155+10.20
 Δ = 29° 17' 44" (RT)
 D = 15° 16' 44"
 R = 375.00'
 T = 98.01'
 L = 191.74'
 E = 12.60'
 SE = 2.0%
 P.C.C. STA. = 154+12.19
 P.T. STA. = 156+03.93
 DESIGN SPEED = 35 MPH

EXIST. CURVE FLAVIN-5
 PI STA. = 152+04.22
 Δ = 103° 03' 59" (LT)
 D = 14° 52' 55"
 R = 385.00'
 T = 484.59'
 L = 692.56'
 E = 233.91'
 SE = 2.0%
 P.C. STA. = 147+19.63
 P.C.C. STA. = 154+12.19
 DESIGN SPEED = 35 MPH



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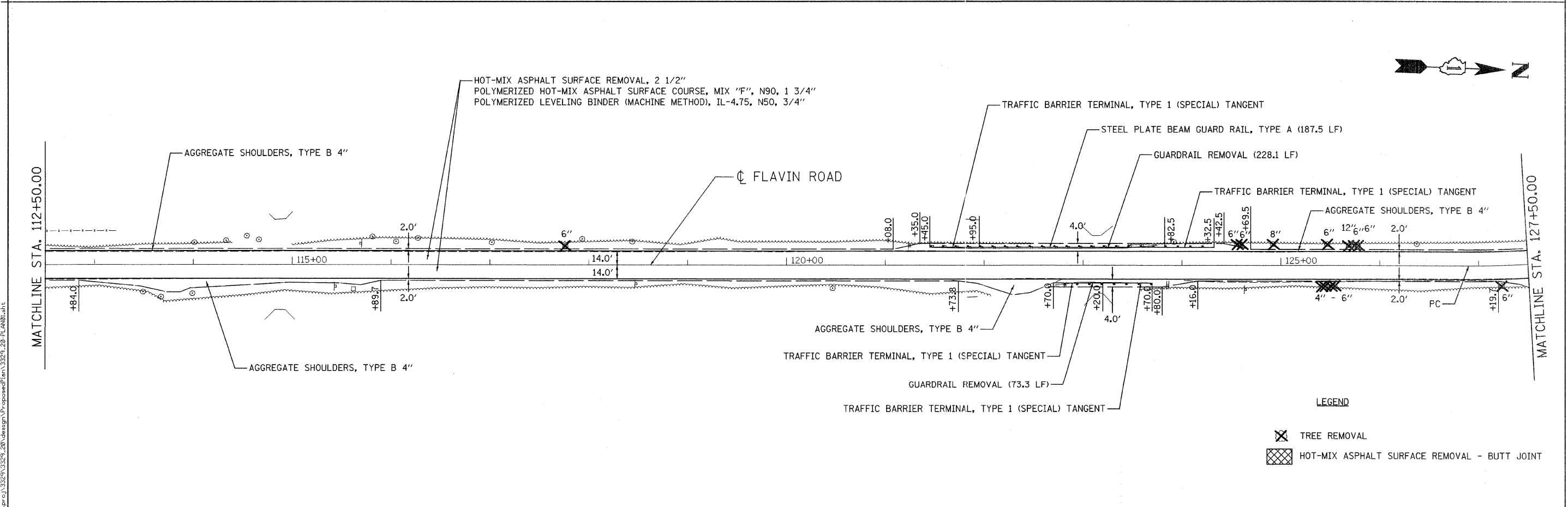
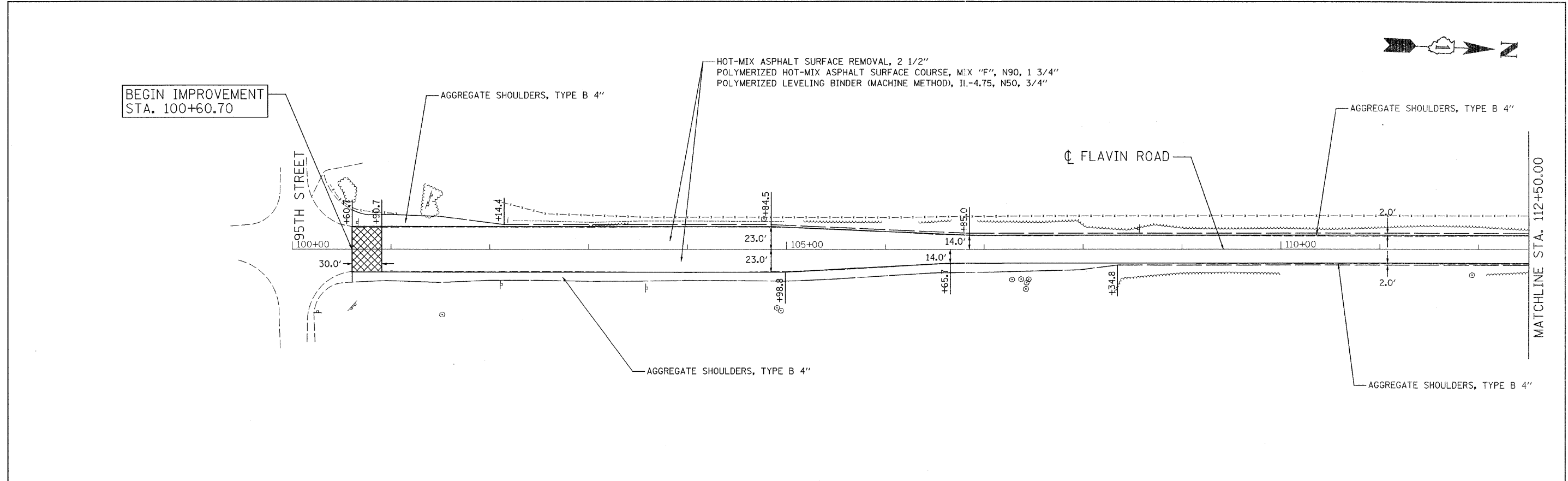
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PLOT DATE = 2/15/2008		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 ALIGNMENT AND CONTROL POINTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	



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USER NAME = wlanccaster	DESIGNED - WBL	REVISED -
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PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE = 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 EXISTING & PROPOSED CONDITIONS, REMOVAL ITEMS**

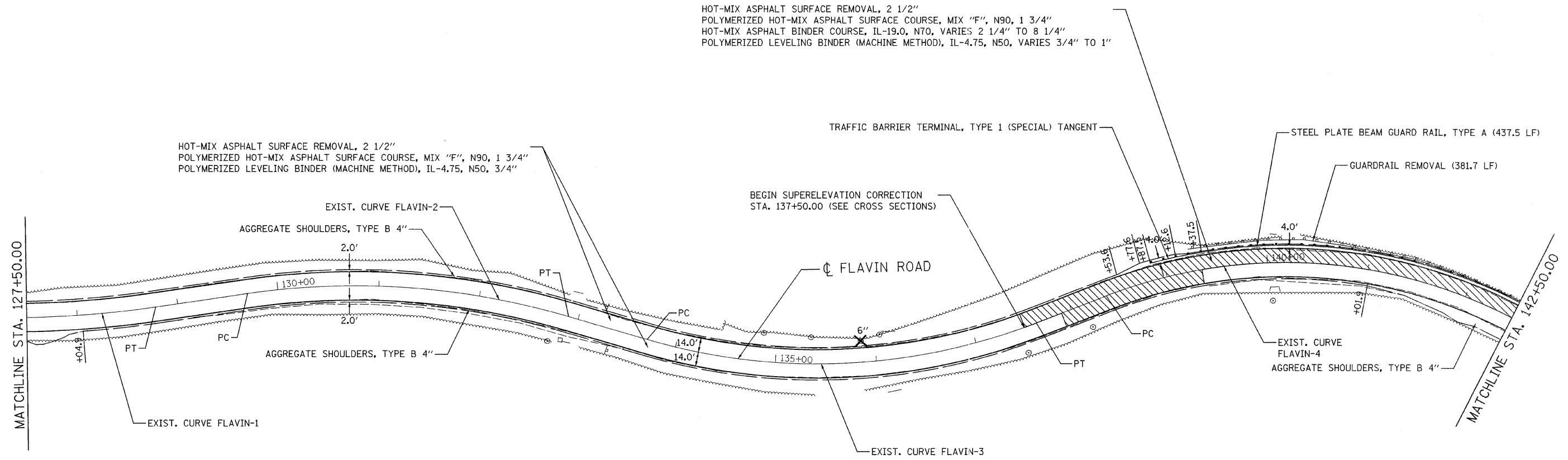
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2697	2007-051 0	COOK	29	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60D43				

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HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIES 2 1/4" TO 8 1/4"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, VARIES 3/4" TO 1"

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



LEGEND

- X TREE REMOVAL
- ▨ SUPERELEVATION CORRECTION (SEE CROSS SECTIONS)

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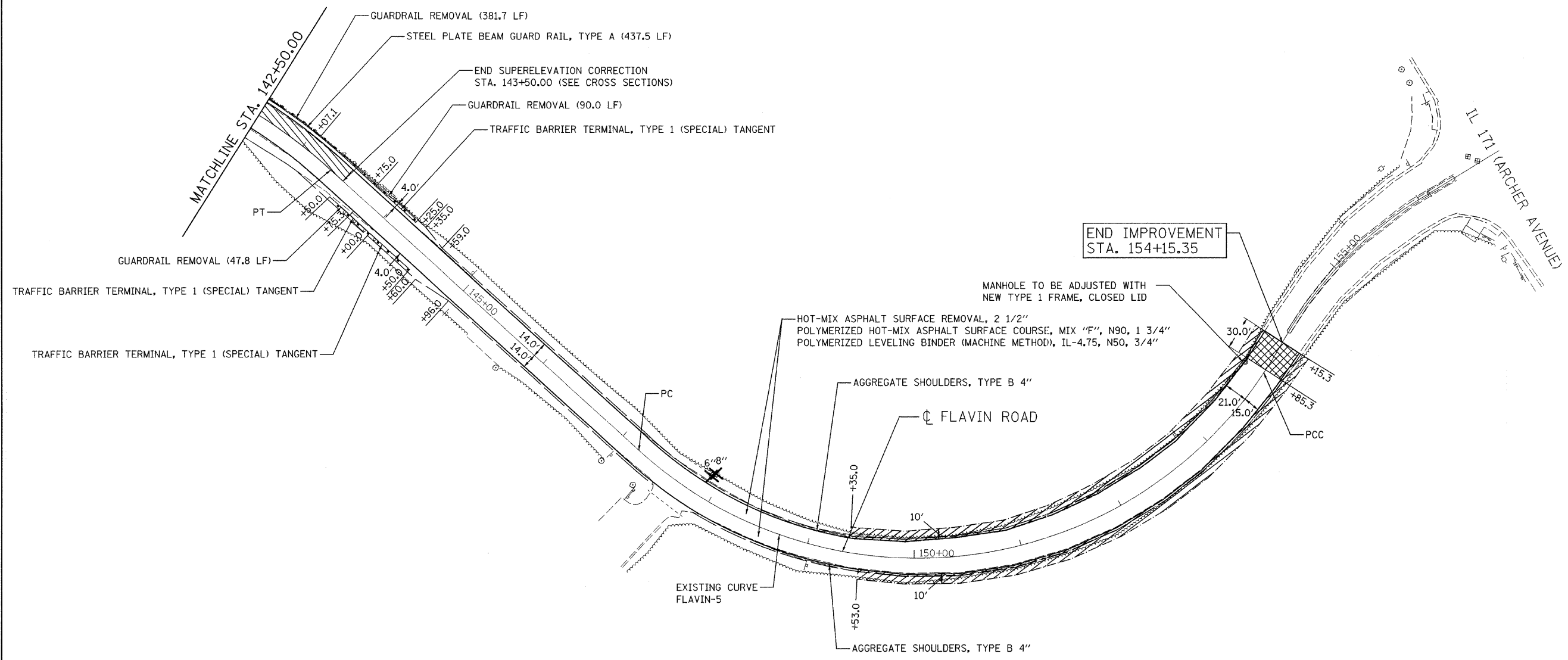
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PLOT DATE = 2/15/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 EXISTING & PROPOSED CONDITIONS REMOVAL ITEMS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	



LEGEND

- TREE REMOVAL
- SELECTIVE CLEARING
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- SUPERELEVATION CORRECTION (SEE CROSS SECTIONS)

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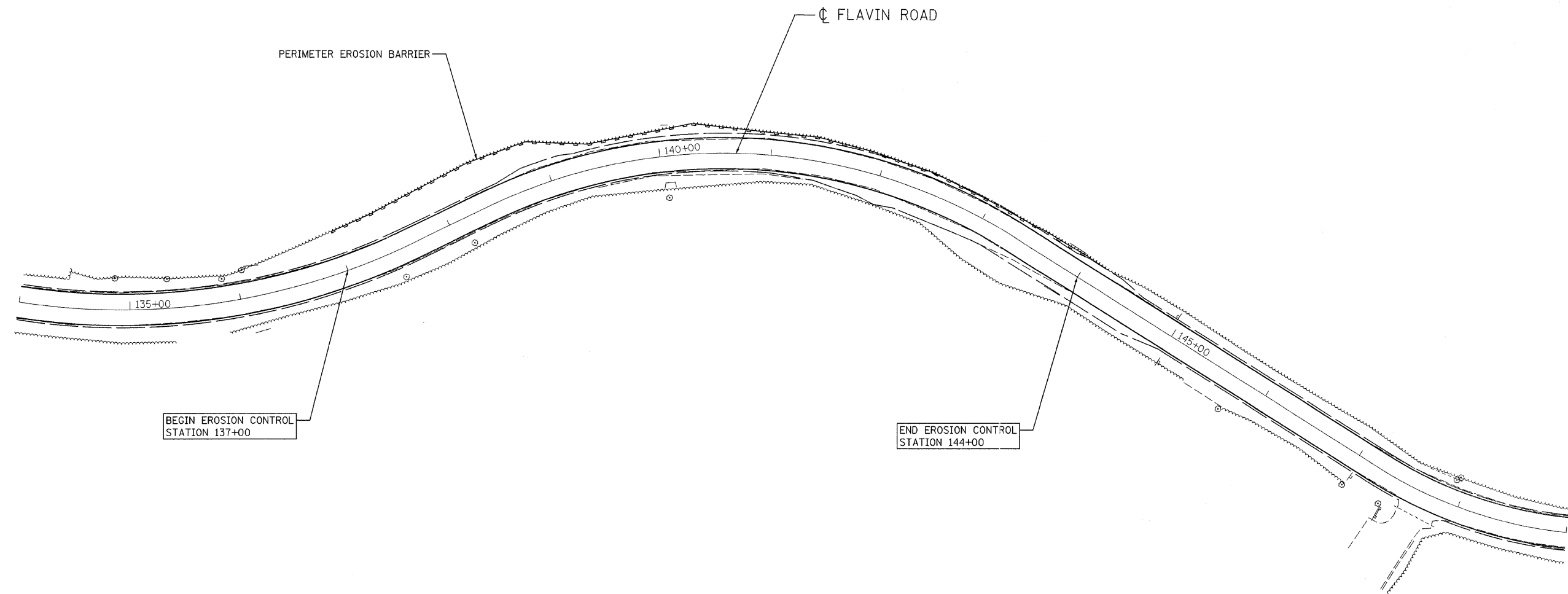
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PLOT DATE = 2/15/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 EXISTING & PROPOSED CONDITIONS, REMOVAL ITEMS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	



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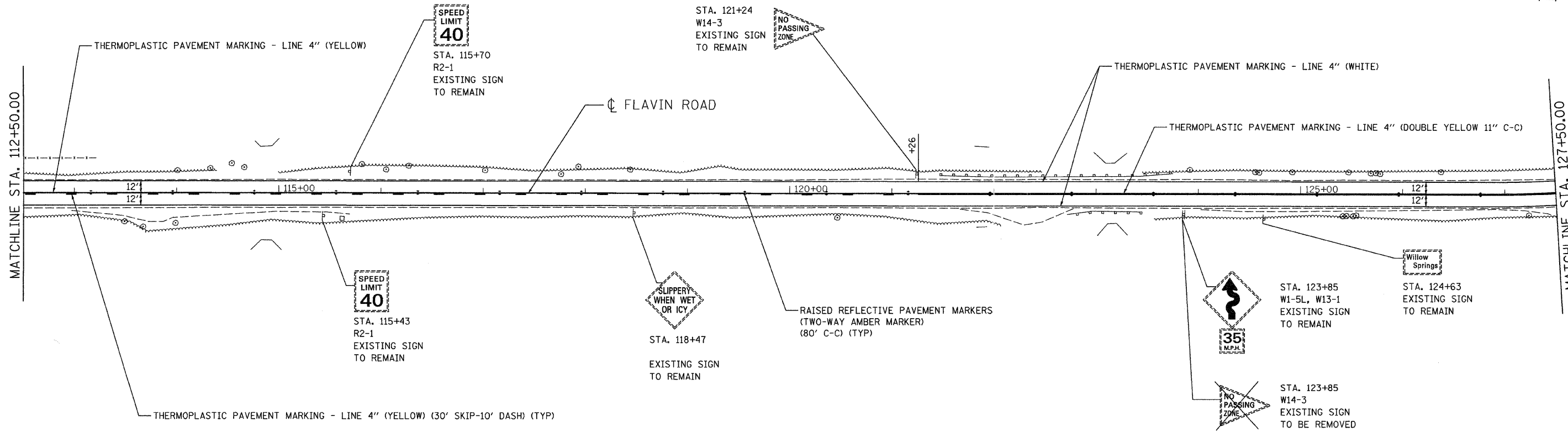
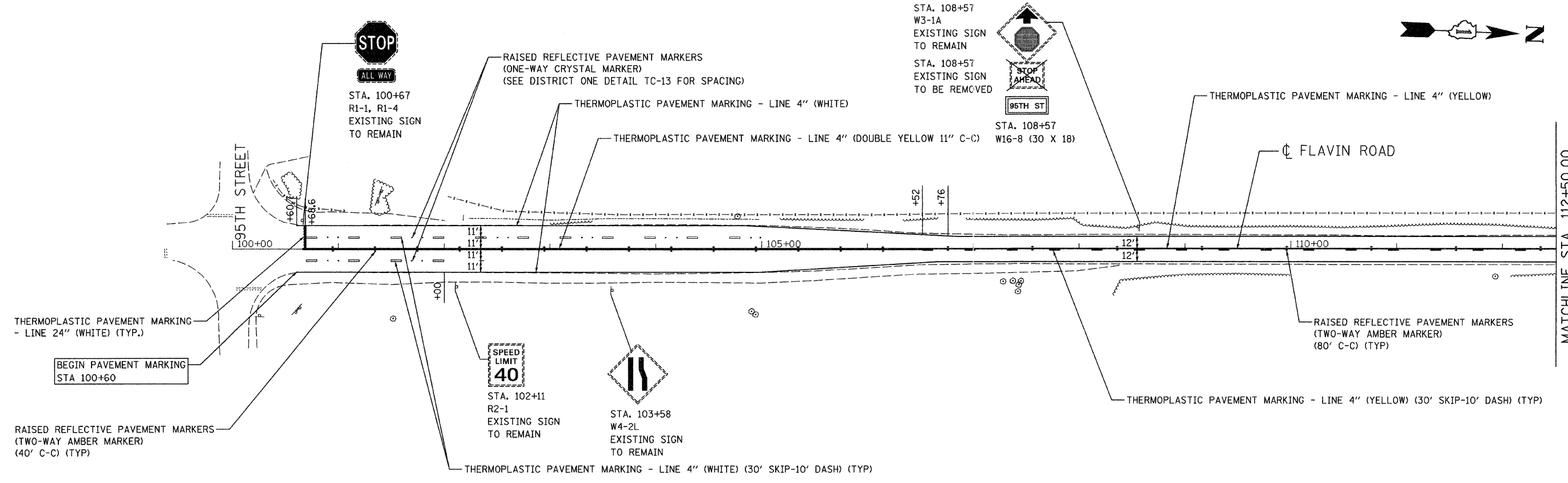
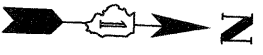
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PLOT DATE = 2/15/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	



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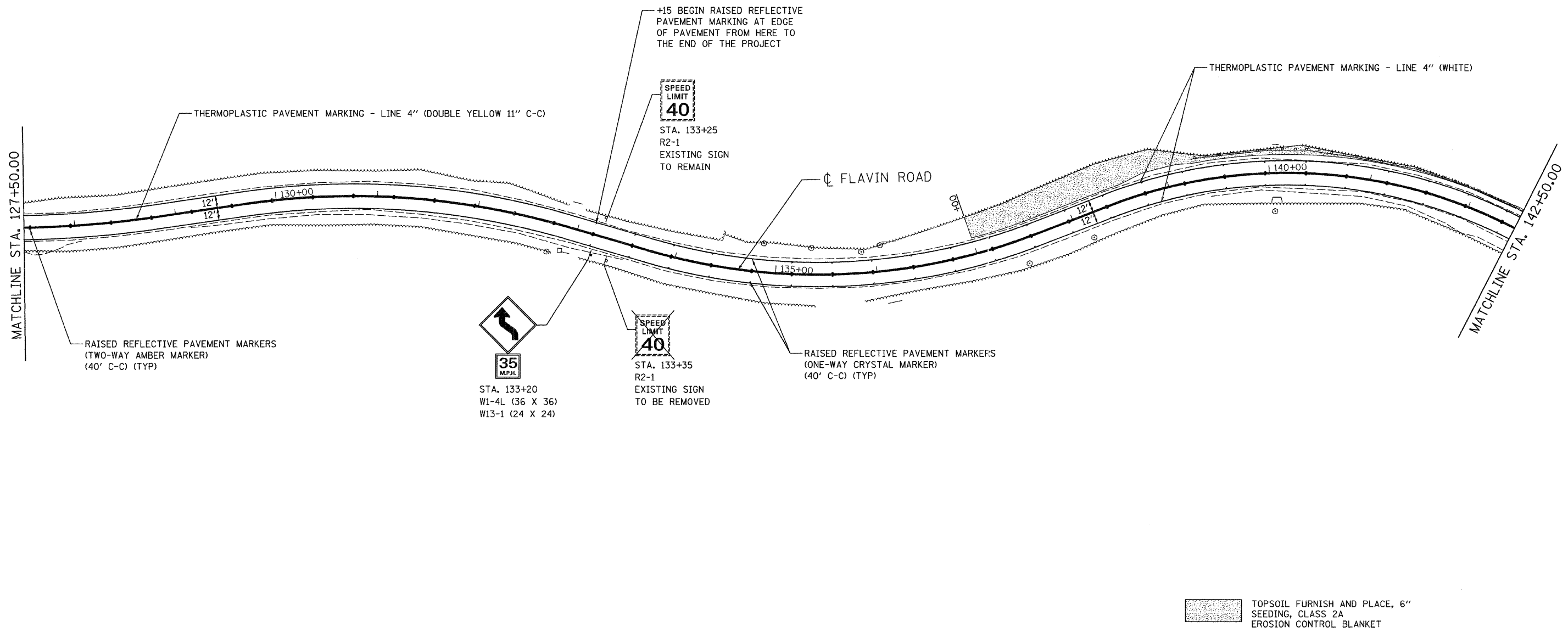
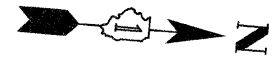
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02/20/08	DRAWN - WBL	REVISED -
PLT SCALE = 48.9942' / IN.	CHECKED - MJL	REVISED -
PLT DATE = 2/27/2008	DATE - 1/18/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 2697 (FLAVIN ROAD) IL 171 (ARCHER AVE.) TO 95TH ST. PAVEMENT MARKING, SIGNING AND LANDSCAPING			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	



NOTE: ALL NEW SIGNS SHOULD BE INSTALLED ON A SINGLE POST

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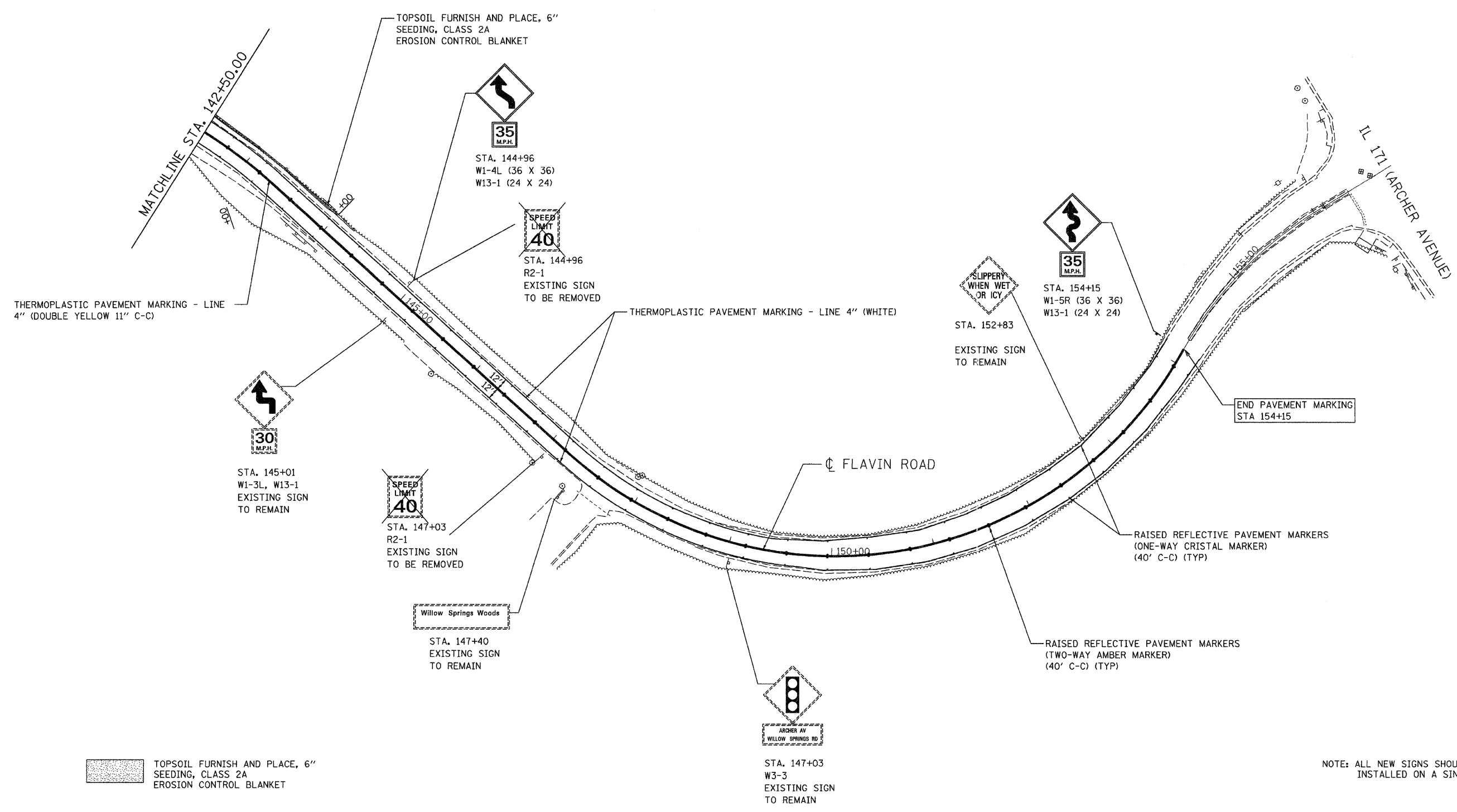
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PLOT DATE = 2/27/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 PAVEMENT MARKING, SIGNING AND LANDSCAPING**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

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



THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW 11" C-C)

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)

END PAVEMENT MARKING STA 154+15

RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRISTAL MARKER) (40' C-C) (TYP)

RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) (TYP)

TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A EROSION CONTROL BLANKET

NOTE: ALL NEW SIGNS SHOULD BE INSTALLED ON A SINGLE POST

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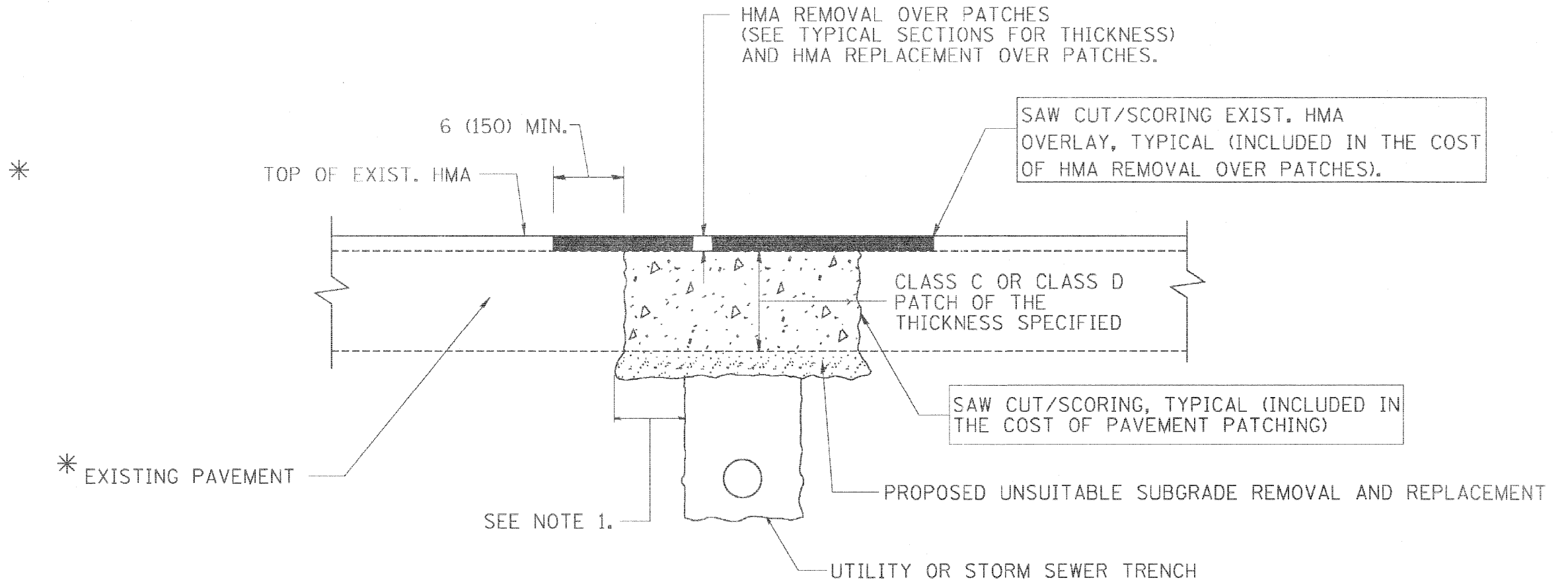
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PLOT DATE = 2/27/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

FAU 2697 (FLAVIN ROAD) IL 171 (ARCHER AVE.) TO 95TH ST. PAVEMENT MARKING, SIGNING AND LANDSCAPING			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

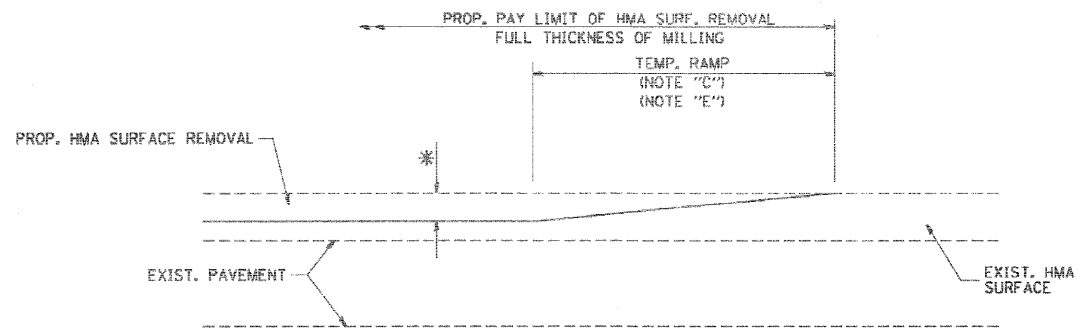
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CHECKED BY

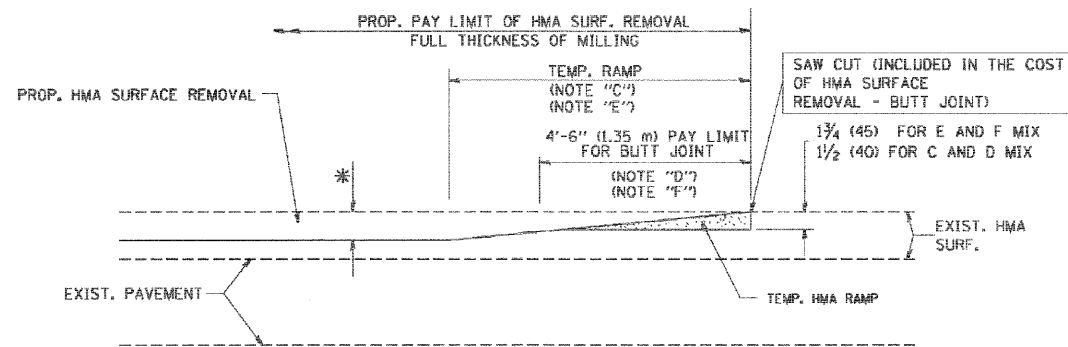
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CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

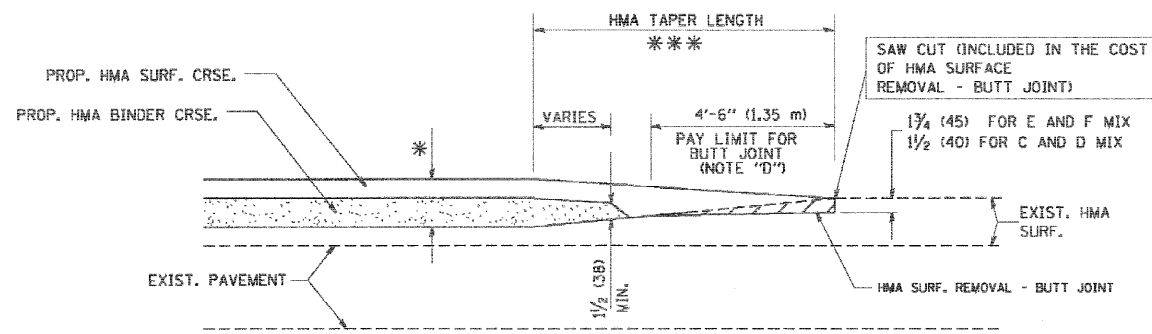
OPTION 1



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

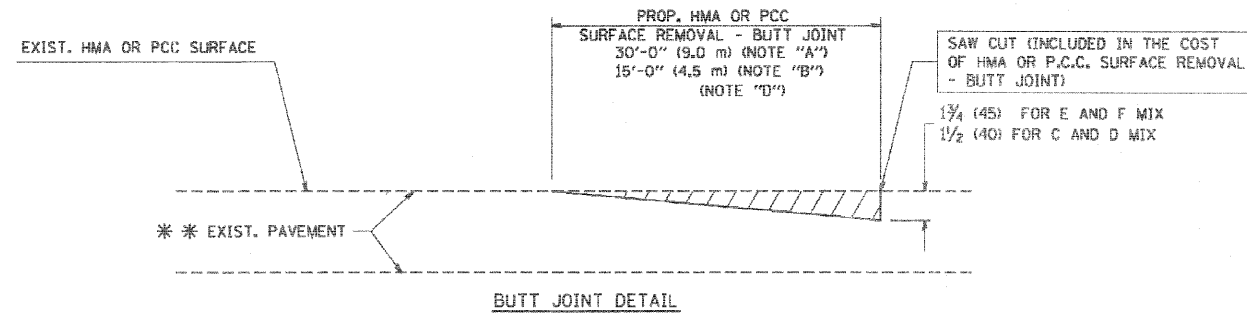
OPTION 2

TYPICAL TEMPORARY RAMP

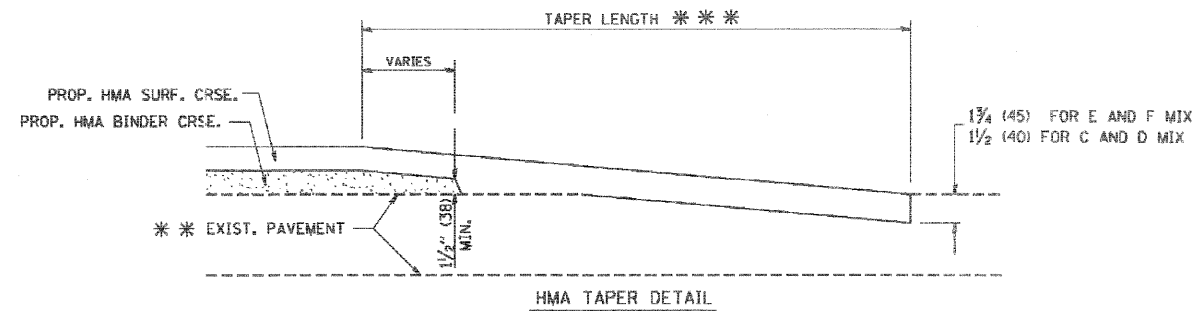


BUTT JOINT AND
HMA TAPER

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



BUTT JOINT DETAIL



HMA TAPER DETAIL

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

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - 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")

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

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".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/08
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND
HMA TAPER
DETAILS**

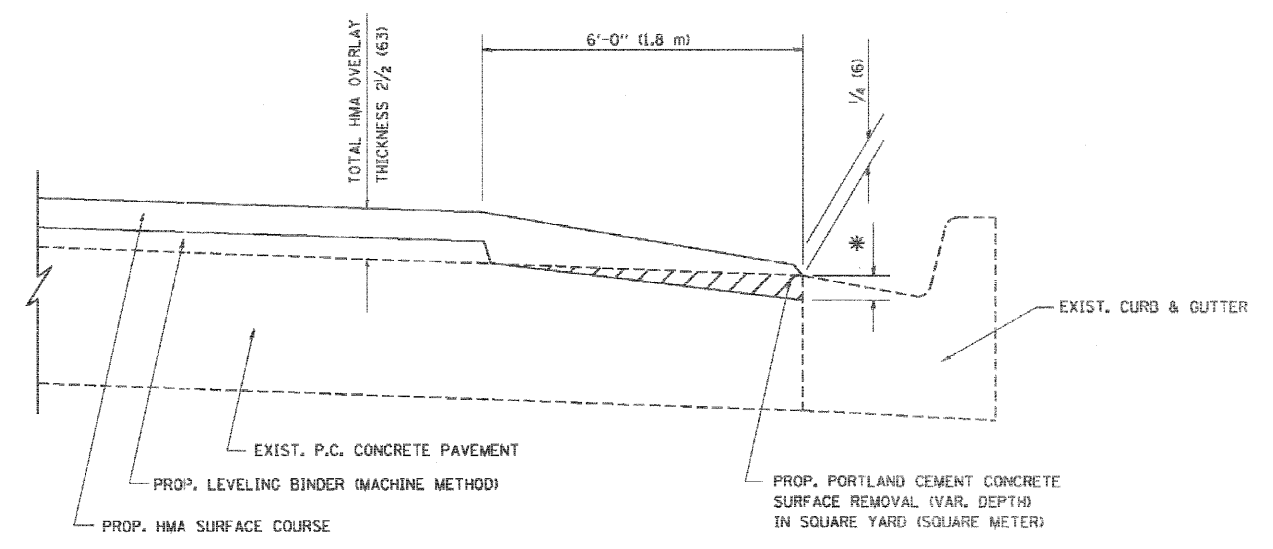
SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)

PLT DATE: 04/28/07
FILE NAME: B040005.DWG
PLT SCALE: 0.000000 / 1.000000
USER NAME: bbarber

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE		LEVELING BINDER		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS		
C OR D	1 1/2 (38)	1 (25)	1/4 (6)	1/4 (6)
F	1 3/4 (44)	3/4 (19)	1/2 (13)	1/2 (13)

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

REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
E. GOMEZ	12/21/00
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

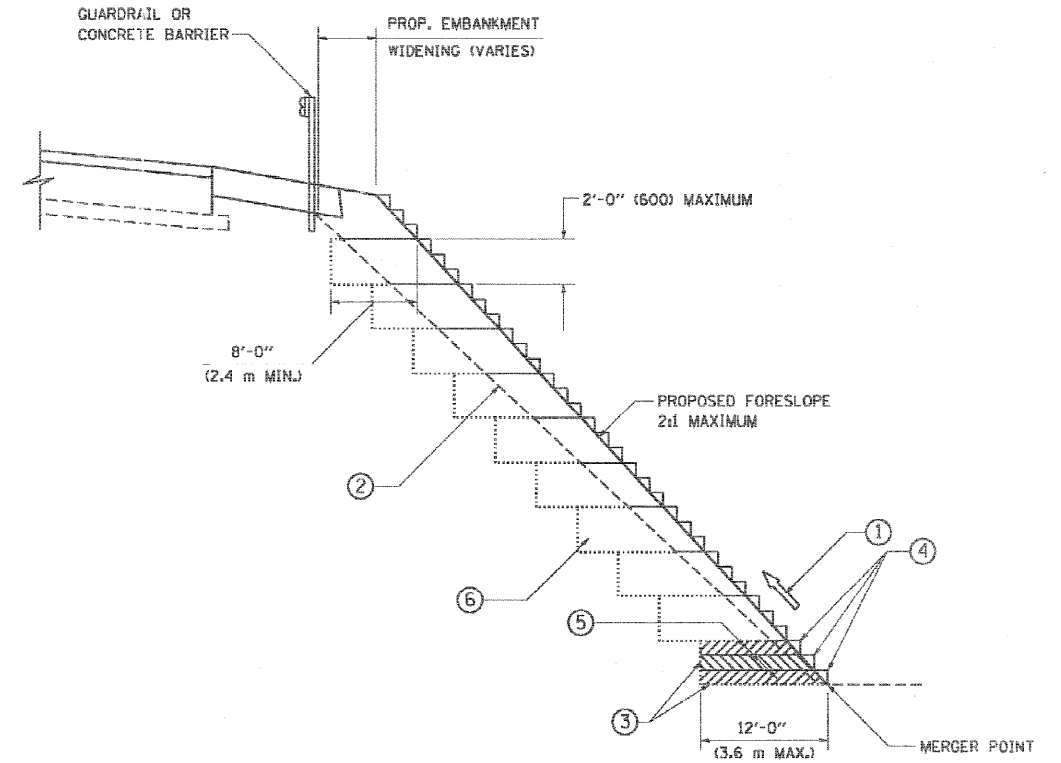
HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY Jls
CHECKED BY A. ABBAS
BD400-06 (6033)

PLT DATE = 8/1/2007
PLT NAME = K:\ASB\ASB.dwg
PLT SCALE = 1/8"=1'-0"
LBR NAME = baur-d

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

REVISIONS	
NAME	DATE
	06/16/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

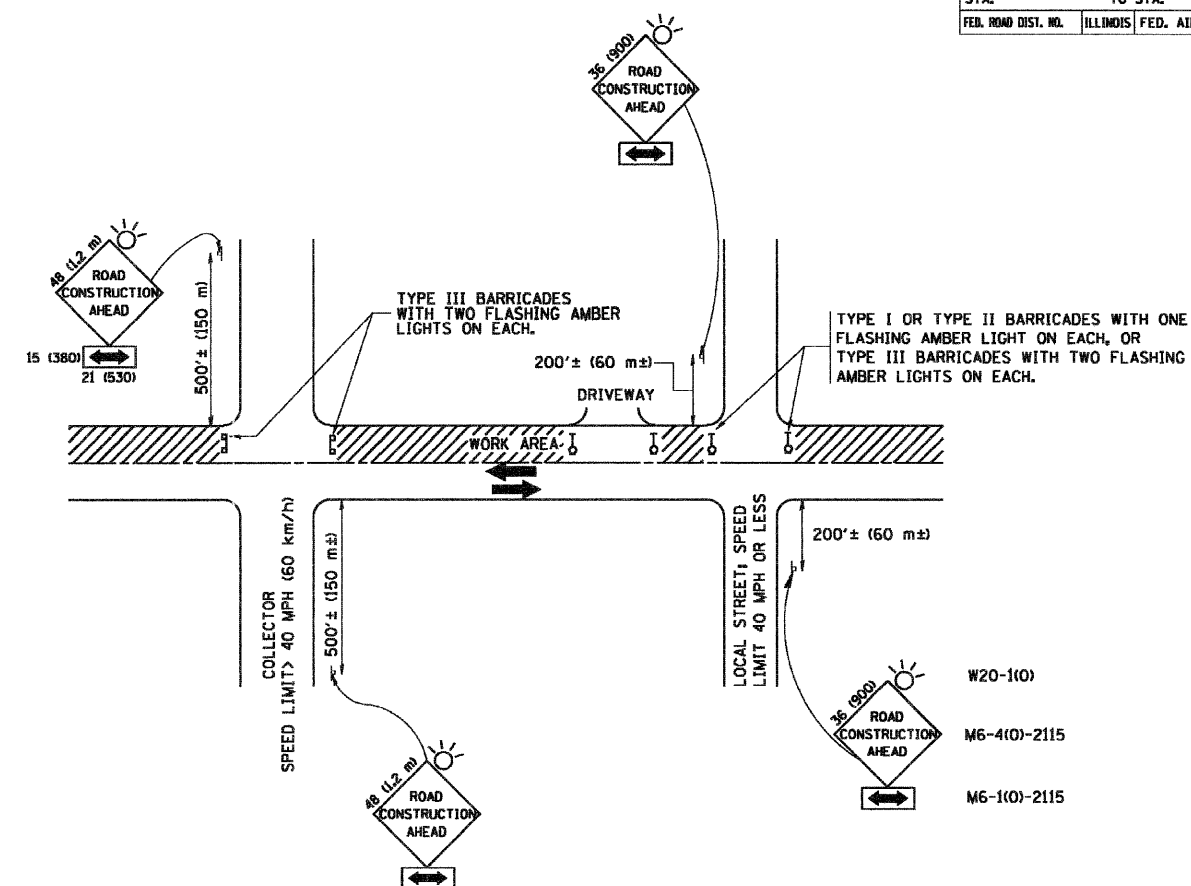
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

SCALE: VERT. NONE
HORIZ.

DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

PLOT DATE = 06/16/04
FILE NAME = K:\ASB\2007-051\051.dgn
PLOT SCALE = 0.500000 / 1.000000
USER NAME = baurnd

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	19A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS:**
- 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 AND FLAG 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.
 - 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

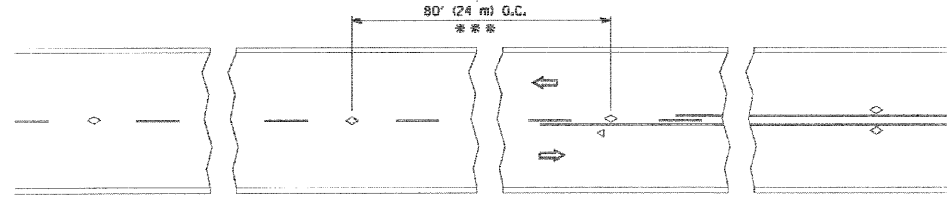
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: NONE
 DRAWN BY
 CHECKED BY
 TC-10

PLOT DATE = 3/6/2007
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 USER NAME = bauerd

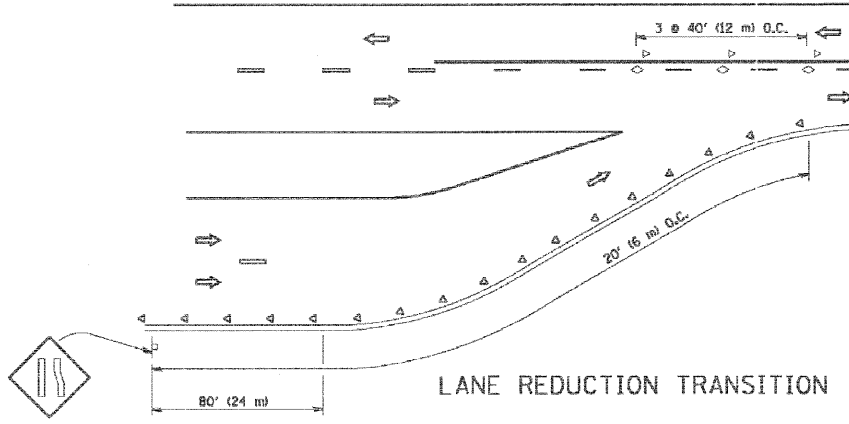
02/28/08

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

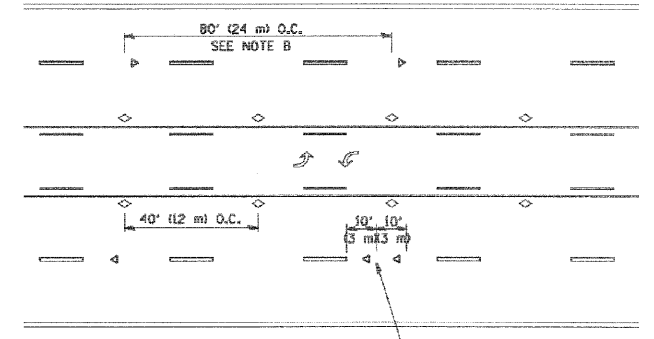


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

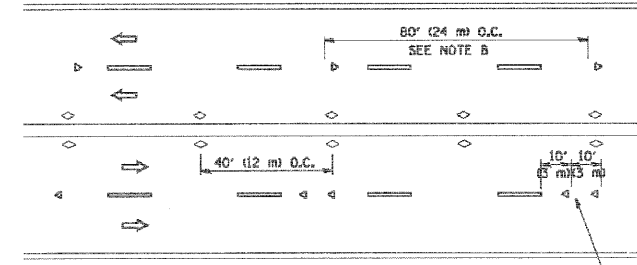
TWO-LANE/TWO-WAY



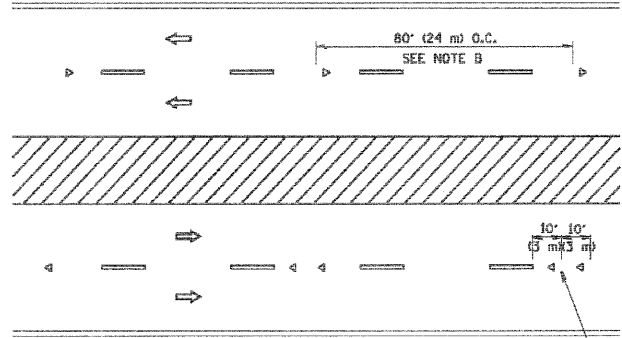
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

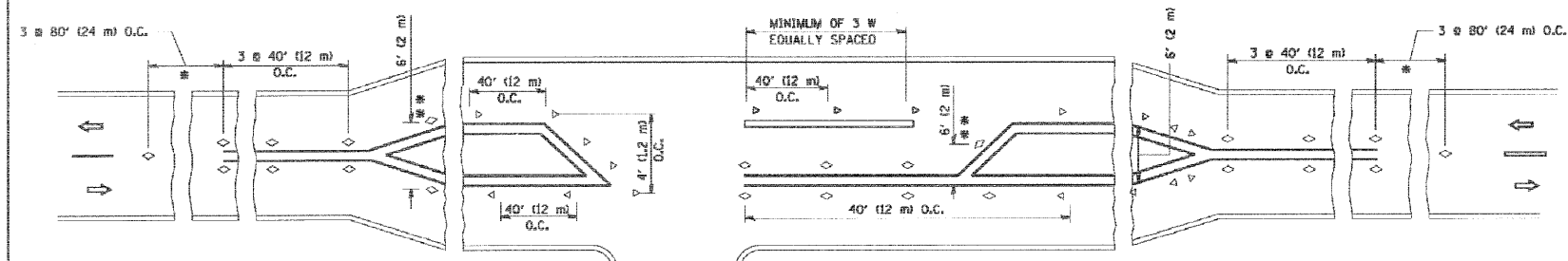
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

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

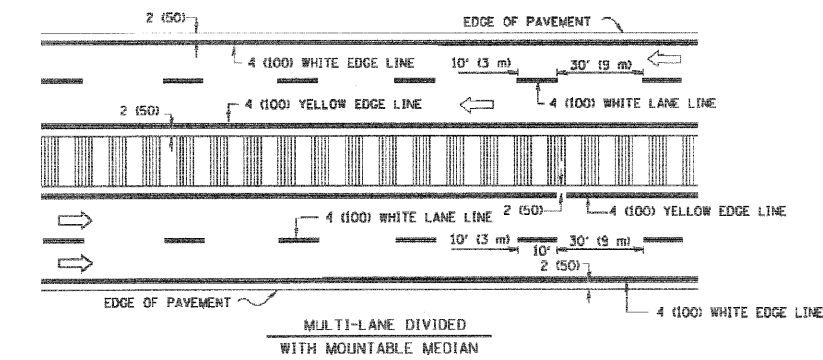
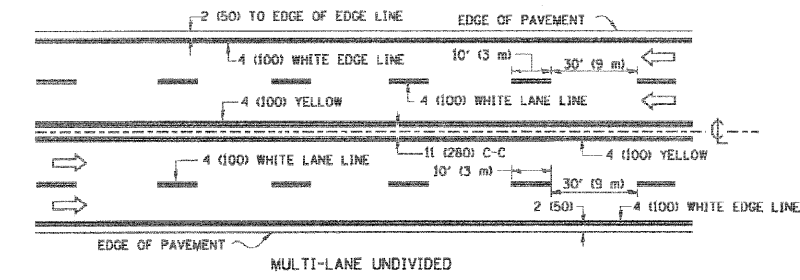
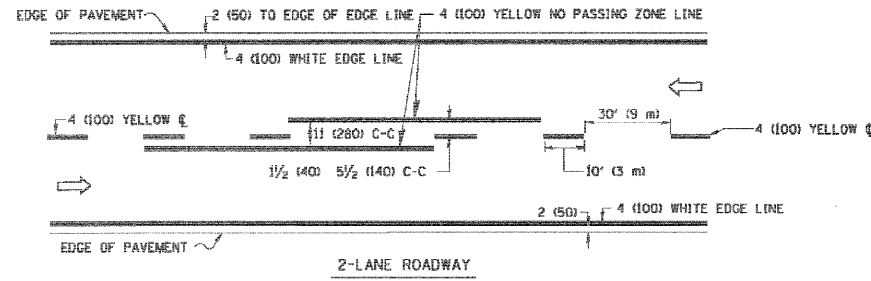
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DRAWN BY CADD
 CHECKED BY TC-11

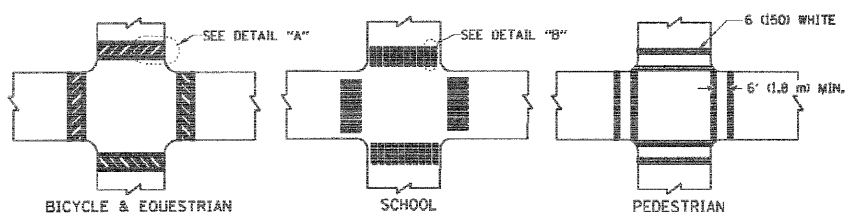
PLT DATE = 3/5/2007
 PLOT NAME = C:\projects\111111.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = bbarb@id

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

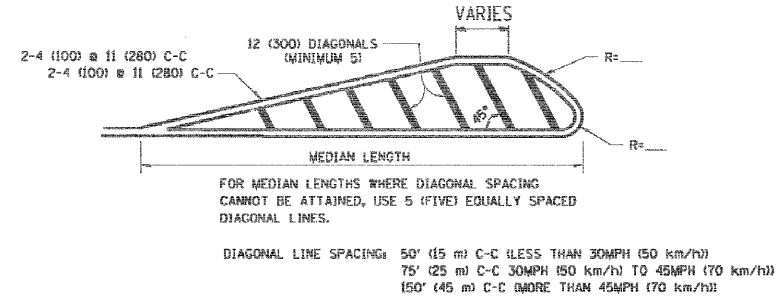
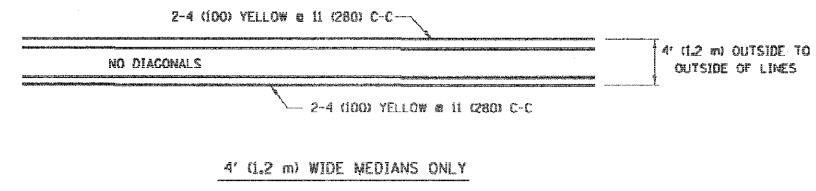


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

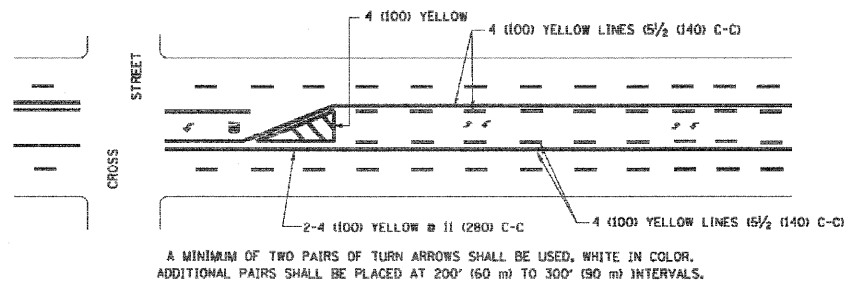
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

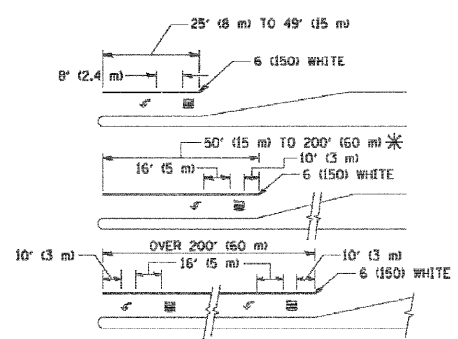


MEDIANS OVER 4' (1.2 m) WIDE



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

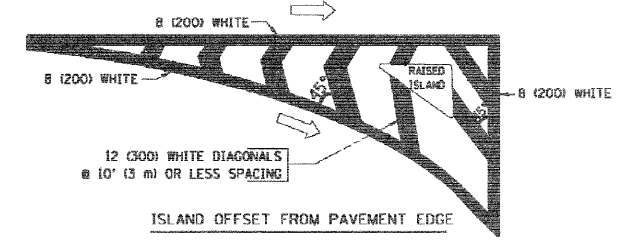
TYPICAL PAINTED MEDIAN MARKING



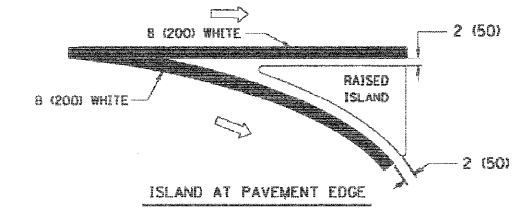
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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 (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	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))

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.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

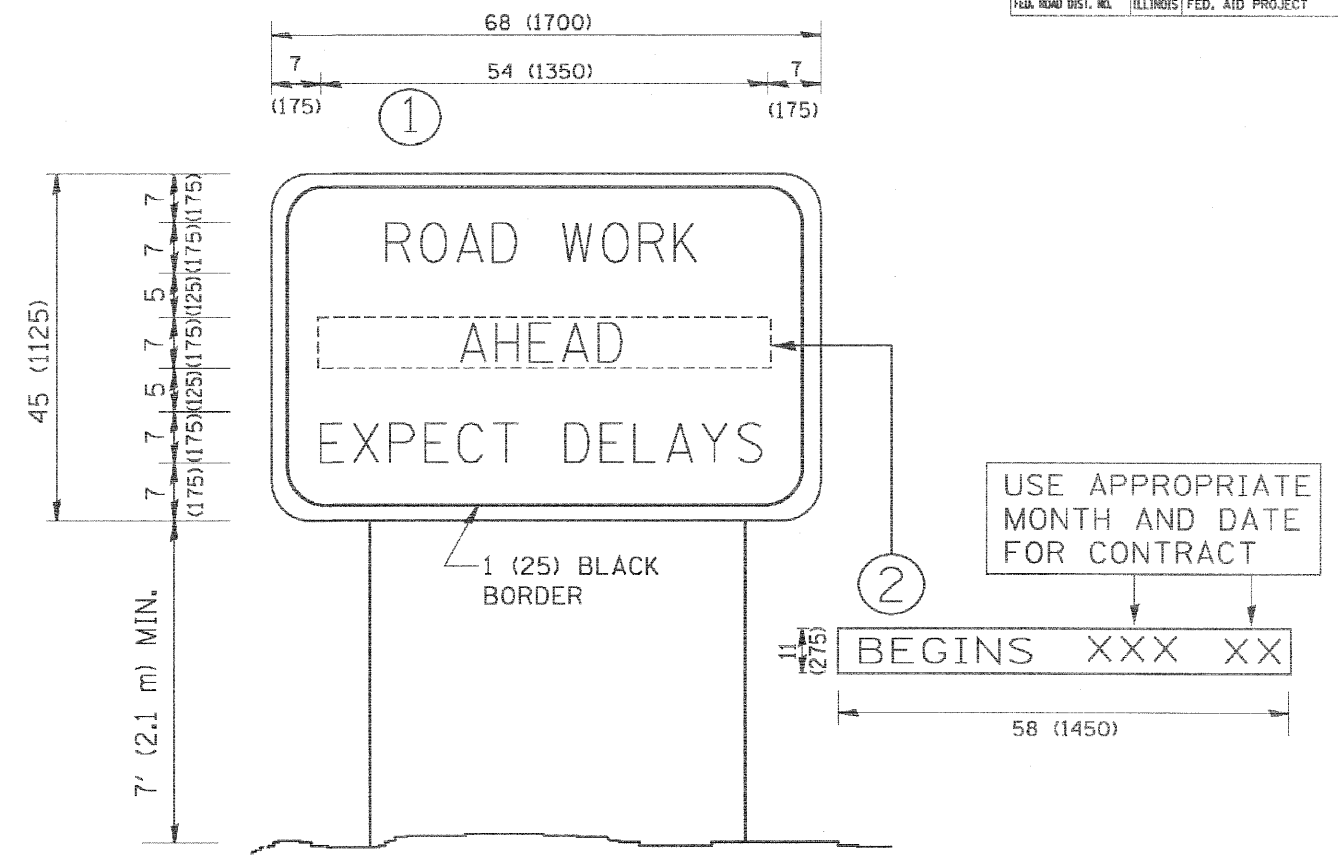
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD
 CHECKED BY
 TC-13

PLOT DATE: 04/28/07
 FILE NAME: I:\CONTRACTS\2007\2697\21.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: bbarndt

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 0	COOK	29	22
STA.		TO STA.		
FED. ROAD DIST. NO.		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.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
R. MIRS	9-15-97	ARTERIAL ROAD INFORMATION SIGN
R. MIRS	12-11-97	
T. RAMMACHER	2-2-99	
C. JUXTUS	1-31-07	
		SCALE: NONE
		DRAWN BY DESIGN
		CHECKED BY
		TC22

PLOT DATE = 8/24/2007
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 USER NAME = bward

FINAL SURVEY	SUPPLIED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SUPPLIED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

FILE NAME = H:\PROJ\3229\3229_20\Drawings\Sections\3229_20_VSF_CSB1.dwg



Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60658
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = mbelug	DESIGNED - WBL	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. OF SHEETS	STA. 137+25.00 TO STA. 138+00.00
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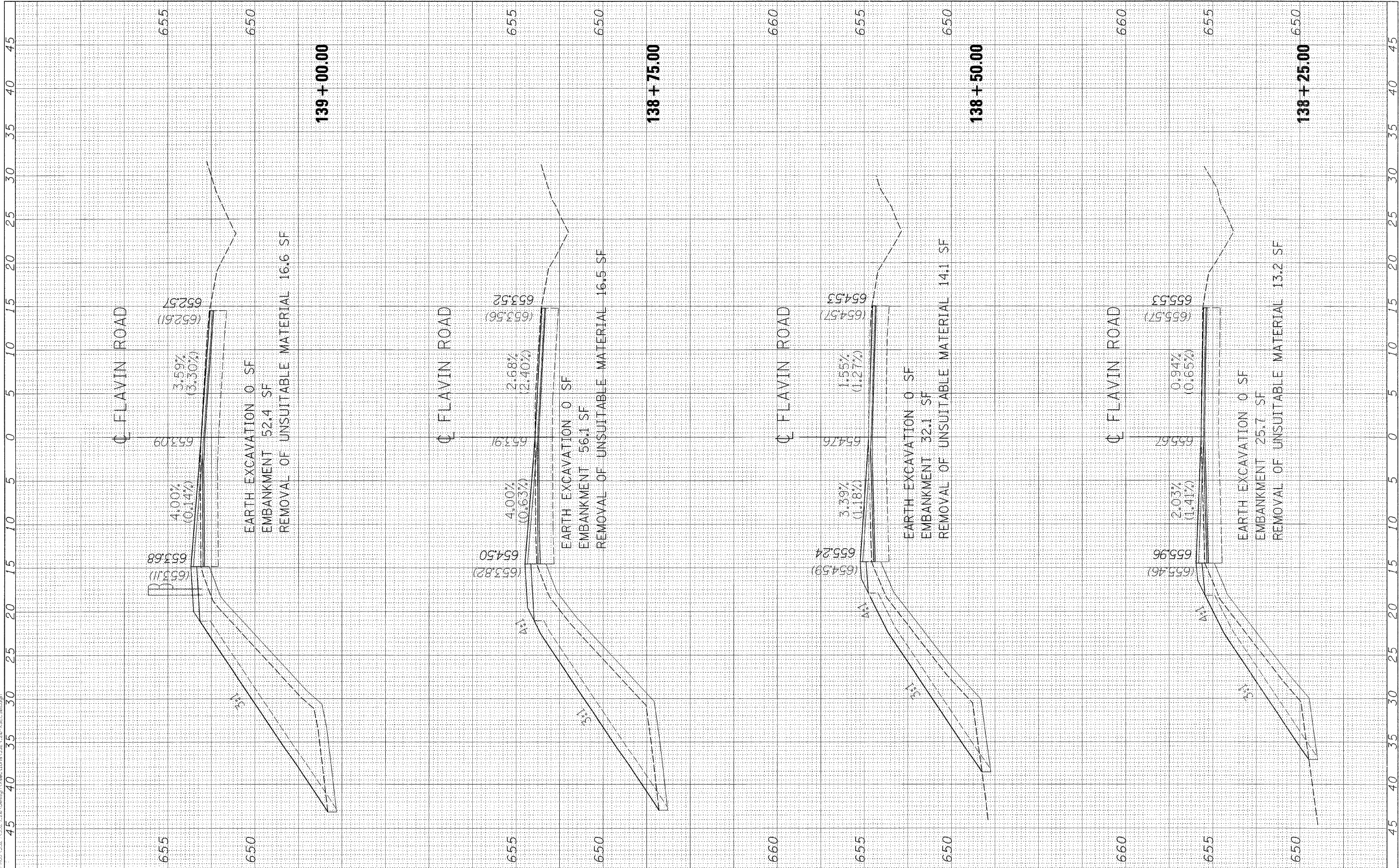
**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 CROSS SECTIONS**

F.A. RTE. 2697	SECTION 2007-051 Q	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AS		
	CHECKED		
	AREAS		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AS		
	CHECKED		
	AREAS		

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CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
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USER NAME = mbalog	DESIGNED - WBL	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET NO. OF SHEETS	STA. 138+25.00 TO STA. 139+00.00
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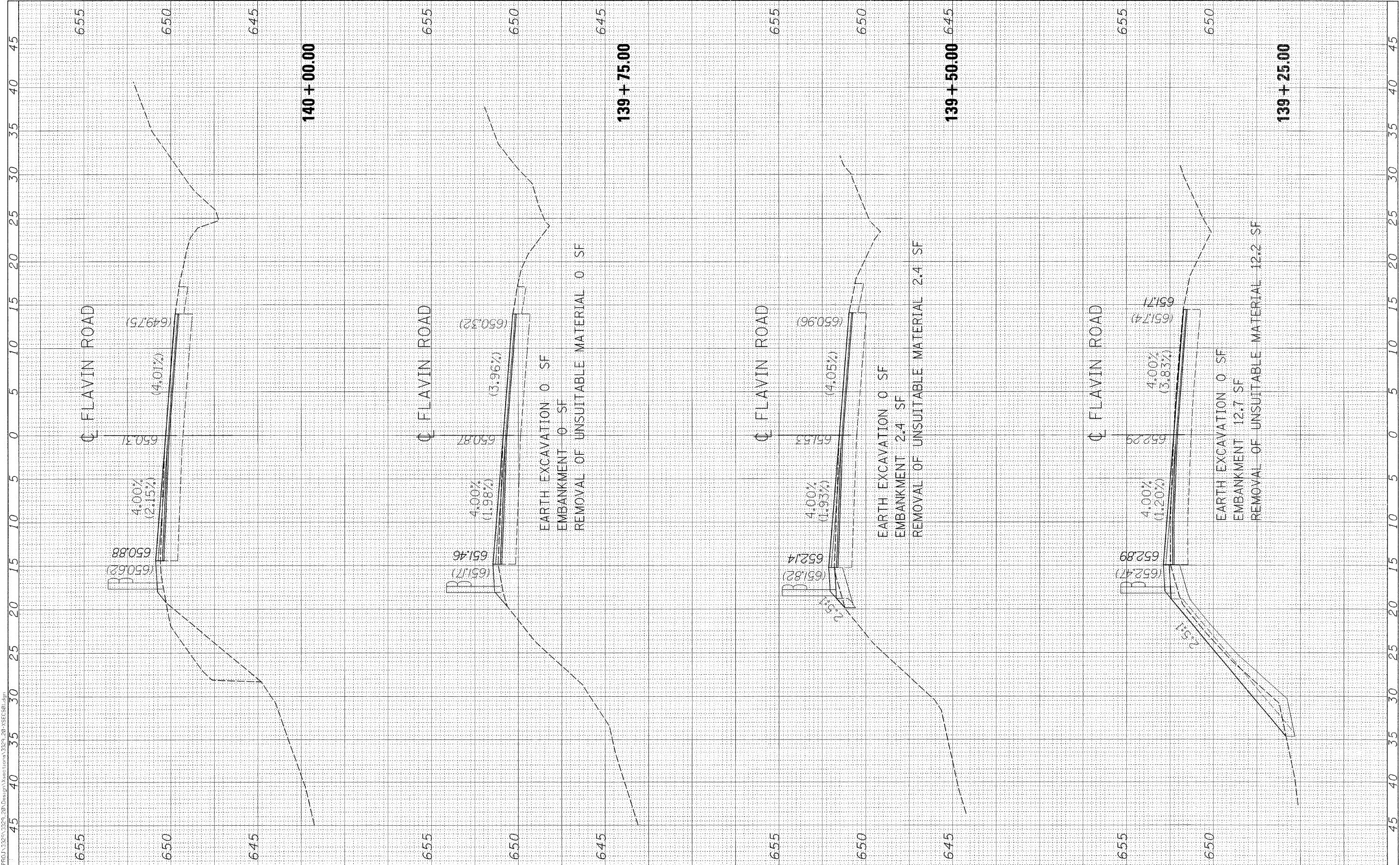
FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 CROSS SECTIONS

F.A. RTE. 2697	SECTION 2007-051 Q	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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	AREAS		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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PLOT SCALE = 5.0000' / 1" IN.	DRAWN - WBL	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

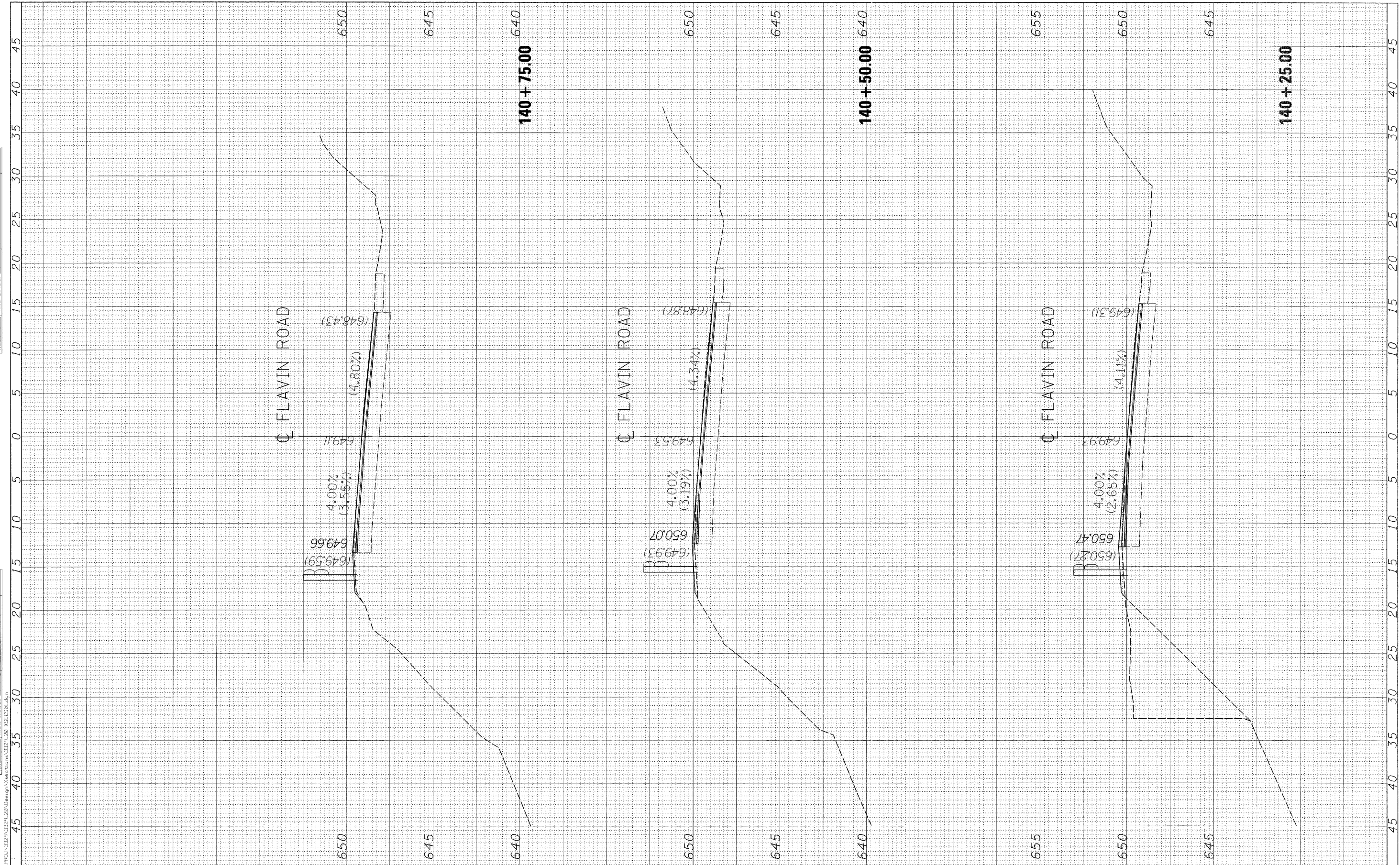
SCALE:	SHEET NO.	OF SHEETS	STA. 139+25.00 TO STA. 140+00.00
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FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2697	2007-051 Q	COOK	29	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D43	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMP. DATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMP. DATE		
	AREAS CHECKED		



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USER NAME = mbalog	DESIGNED - WBL	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
IL 171 (ARCHER AVE.) TO 95TH ST.
CROSS SECTIONS**

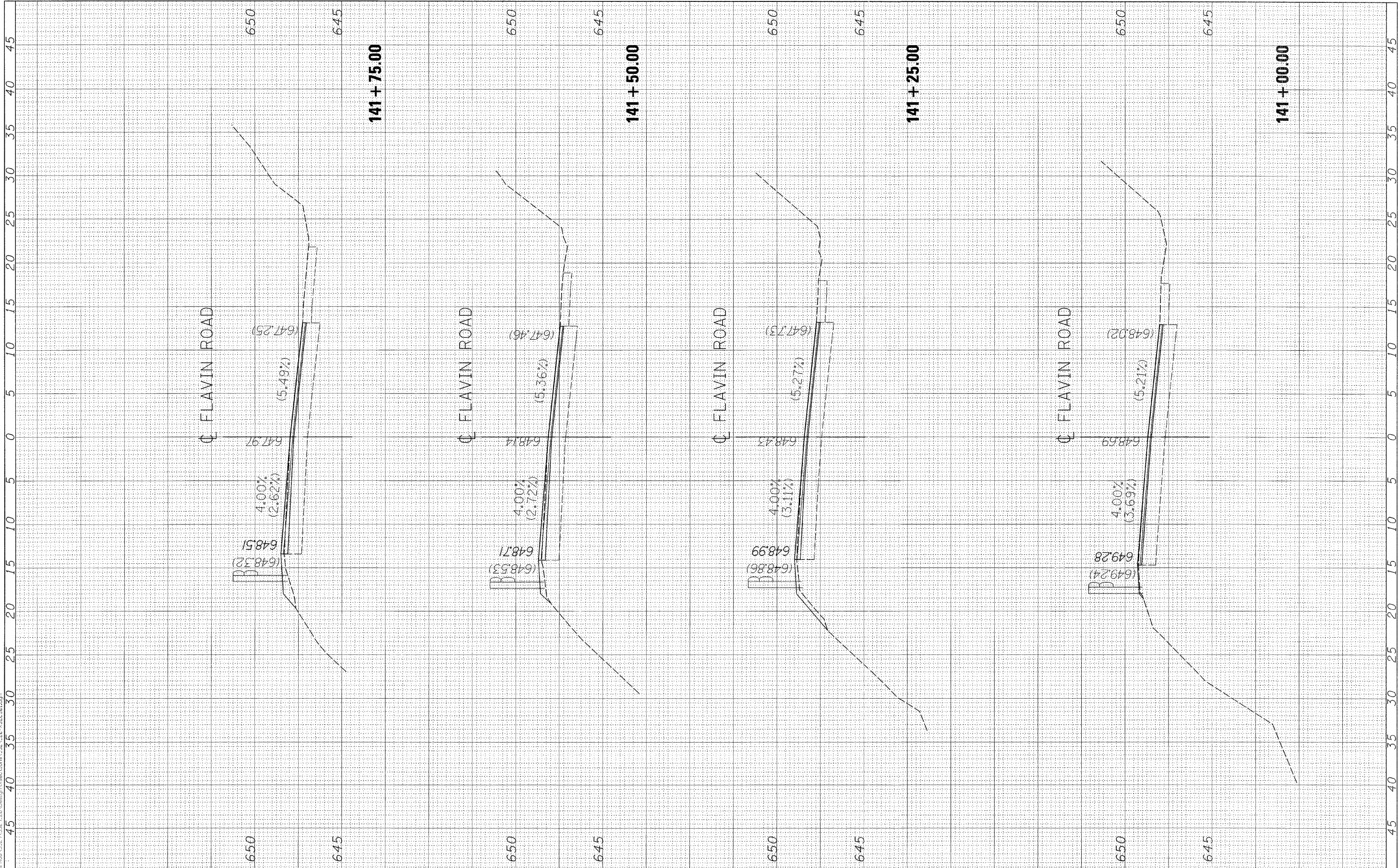
SCALE: SHEET NO. OF SHEETS STA. 140+25.00 TO STA. 140+75.00

F.A. RTE. 2697	SECTION 2007-051 Q	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

FINAL SURVEY NO.	SUPPLIED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SUPPLIED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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USER NAME = mbalag	DESIGNED - WBL	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE = 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. OF SHEETS	STA. 141+00.00 TO STA. 141+75.00
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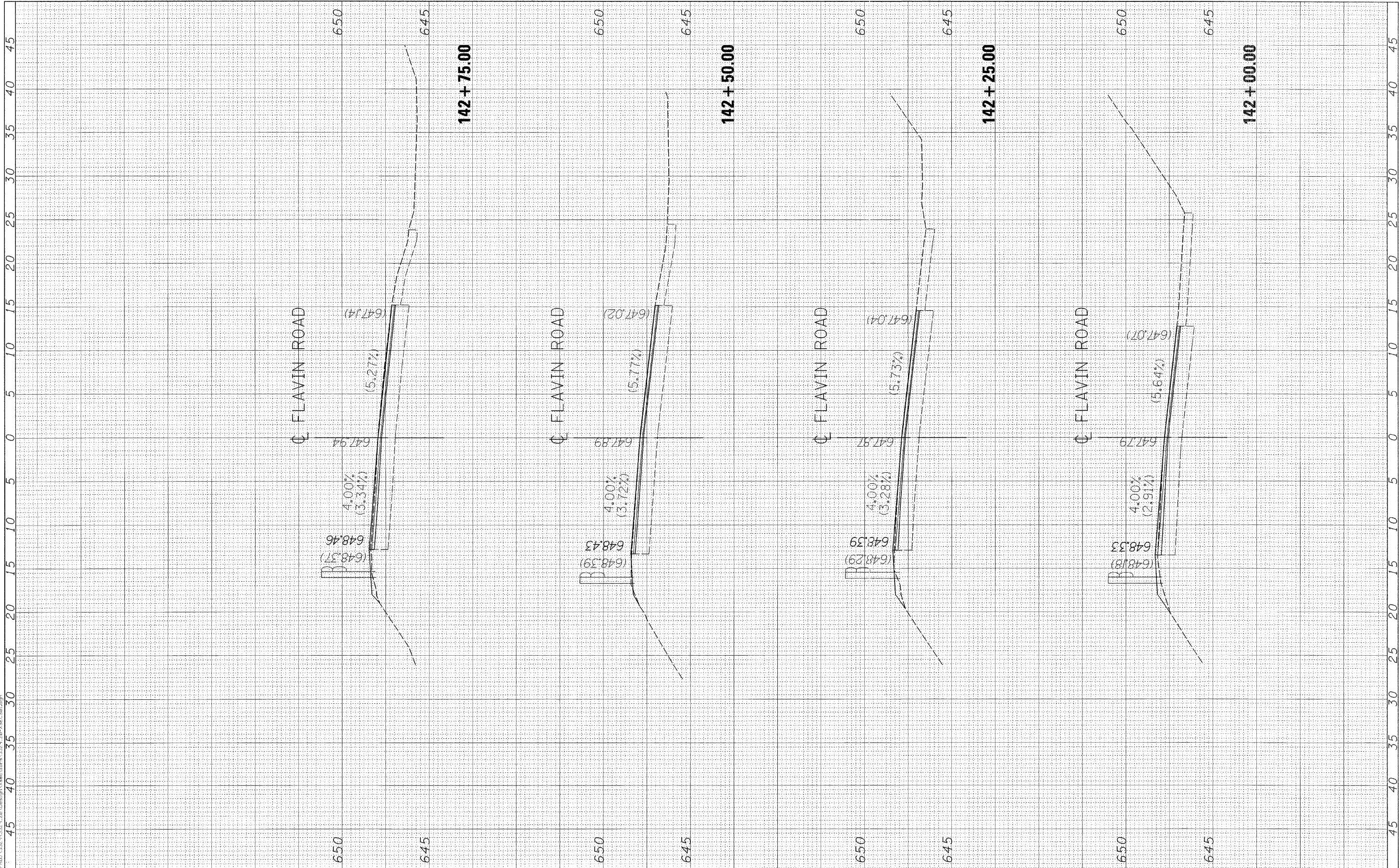
**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE. TO 95TH ST.)
 CROSS SECTIONS**

F.A. RTE. 2697	SECTION 2007-051 0	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
TEMP. AT	TEMP. AT		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
TEMP. AT	TEMP. AT		
AREAS CHECKED	AREAS CHECKED		

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USER NAME = mbalog	DESIGNED - WBL	REVISED -
	DRAWN - WBL	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED - MJL	REVISED -
PLOT DATE = 2/15/2008	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. OF SHEETS	STA. 142+00.00 TO STA. 142+75.00
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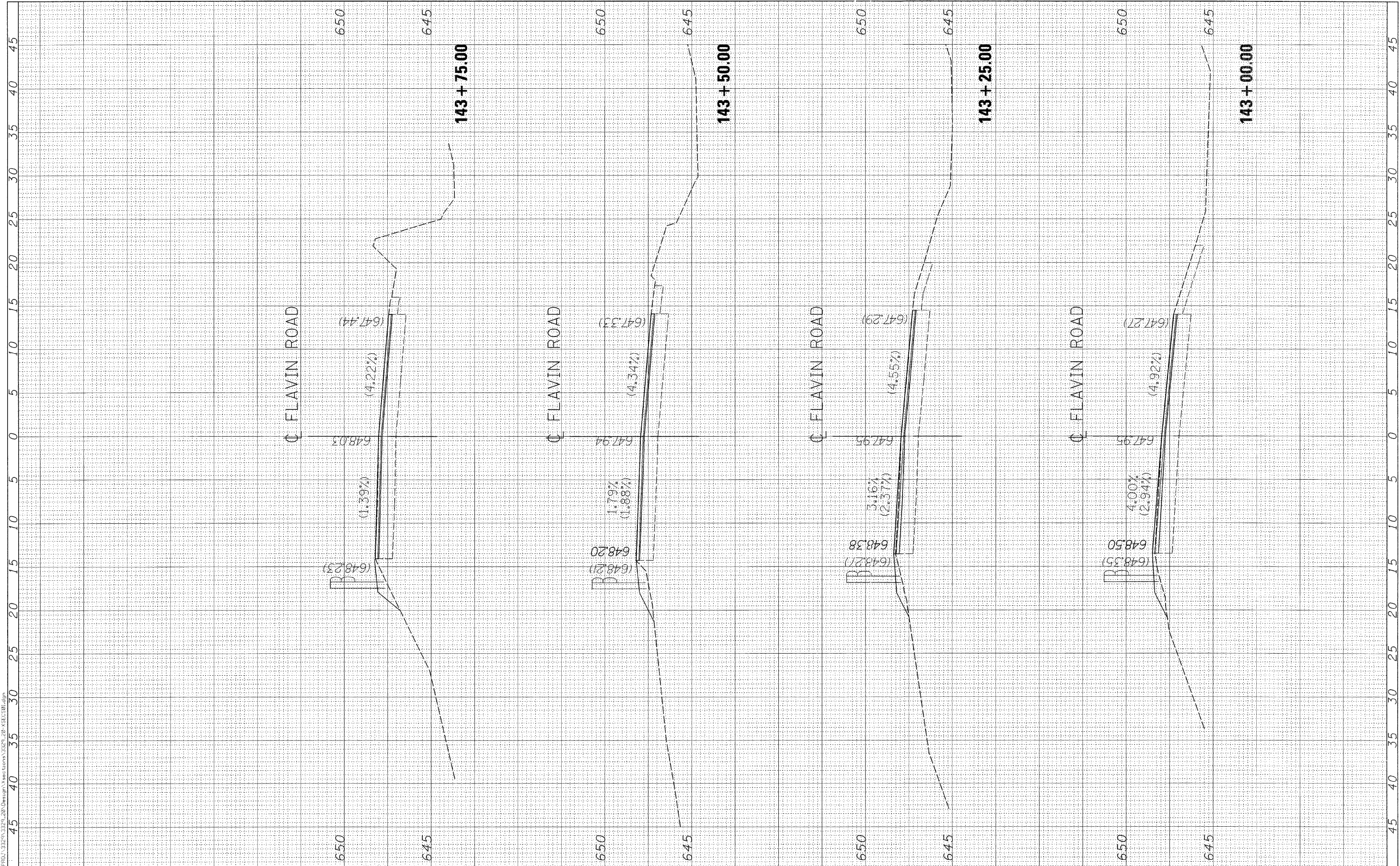
**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 CROSS SECTIONS**

F.A. RTE. 2697	SECTION 2007-051 Q	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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USER NAME = mbelog	DESIGNED - WBL	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - WBL	REVISED -
PLOT DATE = 2/15/2008	CHECKED - MJL	REVISED -
	DATE - 1/18/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAU 2697 (FLAVIN ROAD)
 IL 171 (ARCHER AVE.) TO 95TH ST.
 CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 143+00.00 TO STA. 143+75.00

F.A. RTE. 2697	SECTION 2007-051 Q	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D43	