4-24-09 Letting, Item 218

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 64E60		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

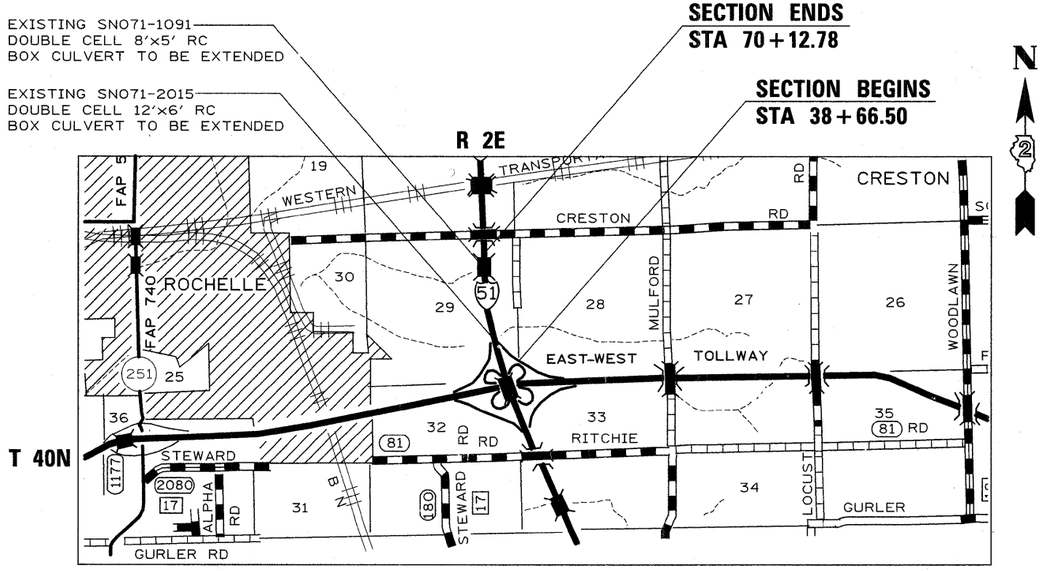
FAI 39 (I–39)
SECTION (141–1)M–1
PROJECT HSIP-039-1(020)098
RAMP RECONSTRUCTION
OGLE COUNTY

C–92–061–09

D–92–003–09

LOCATION OF SECTION INDICATED THUS: –

DEMENT TOWNSHIP 28 & 29



100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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 ENGINEER: MASOOD AHMAD
SENIOR SQUAD LEADER: SAM ABDULLAH (815) 284–5935
SQUAD LEADER: JASON STRINGER (815) 284–5513

CONTRACT NO. 64E60

GROSS LENGTH = 3,146.28 FT. = 0.60 MILE
NET LENGTH = 3,146.28 FT. = 0.60 MILE

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION
55D(29) – INTERSTATE ENT. RAMP – 9.32(FD–20)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1/23 2009

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 2009
Charles J. Ingersoll /D
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009
Christine M. Reed /D
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS AND STATE STANDARDS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS & STANDARDS
3-6	SUMMARY OF QUANTITIES
7-8	TYPICAL SECTIONS
9-14	HORIZONTAL & VERTICAL CONTROL
15	GENERAL NOTES
16-19	SCHEDULE OF QUANTITIES
20-22	PLAN & PROFILE SHEETS
23-24	REMOVAL SHEETS
25	EROSION CONTROL SHEETS
26	PAVEMENT ELEVATION SHEETS
27-30	EXISTING STRUCTURE PLANS (FOR INFORMATION ONLY)
31-38	STRUCTURE PLANS & BORING LOGS
39	TRAFFIC CONTROL PLAN FOR RAMP B DETAIL
40	RAMP DETOUR SIGNING SHEET
41	RAMP CLOSURE DETAIL SHEET
42	SIGNS TO BE COVERED DETAIL
43	FURROWED ROADWAY SLOPES (DIST STD 1.1)
44	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (DIST STD 2.1)
45-47	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
48	PAINTING DETAILS (DIST STD 44.1)
49	DETAILS OF PLANTING AND BRACING TREES (DIST STD 92.1)
50	EROSION CONTROL DETAILS FOR SILT FENCE (DIST STD 29.2)
50	WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II (DIST STD 66-2)
51	GRADING AROUND WINGWALLS (DIST STD 20.4)
51	HOT-MIX ASPHALT SHOULDERS (DIST STD 23.4a)
51	DELINEATOR AND POST ORIENTATION (DIST STD 37.4)
51	TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (DIST STD 50.4)
52	TREE REPLACEMENTSCHEDULE (DIST STD 90.4)
53-82	CROSS SECTIONS

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
406001-05	ENTRANCE RAMP TERMINAL, FLEXIBLE ADJACENT TO FLEXIBLE MAINLINE PAVEMENT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
601001-03	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
635001-01	DELINEATORS
642001-01	SHOULDER RUMBLE STRIPS
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT OF WAY MARKERS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 15' TO EOP
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-03	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-05	LANE CLOSURE, MULTILANE, ENTRANCE OR EXIT RAMP, 45 MPH+
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS FOR TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVMEENT MARKERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & STATE STANDARDS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	2
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% Fed 10% State ROADWAY HSIP SFTY - 2A	90% FED 10% STATE STRUCTURES HSIP SFTY - 2A
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	27	27	
	20200100	EARTH EXCAVATION	CU. YD.	8829		8829
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8735		8735
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	24425		24425
*	25000210	SEEDING, CLASS 2A	ACRE	5	5	
*	25000310	SEEDING, CLASS 4	ACRE	1	1	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	463	463	
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	463	463	
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	463	463	
†*	25000750	MOWING	ACRE	5.25	5.25	
*	25100115	MULCH, METHOD 2	ACRE	2.5	2.5	
	25100630	EROSION CONTROL BLANKET	SQ YD	12761	12761	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2056	2056	

† NON-PARTICIPATING, 100% STATE
*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	3
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% Fed 10% State ROADWAY HSIP SFTY - 2A	90% FED. 10% STATE STRUCTURES HSIP SFTY - 2A
28000300	TEMPORARY DITCH CHECKS	EACH	18	18	
28000400	PERIMETER EROSION BARRIER	FOOT	663	663	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	8735		8735
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	321	321	
40701961	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"	SQ YD	4920	4920	
44000100	PAVEMENT REMOVAL	SQ YD	2597	2597	
44004250	PAVED SHOULDER REMOVAL	SQ YD	4354	4354	
48100100	AGGREGATE SHOULDERS, TYPE A	TON	389	389	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	2861	2861	
50800105	REINFORCEMENT BARS	POUND	11,320		11,320
51500100	NAME PLATES	EACH	1		1

*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	4
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% Fed 10% State ROADWAYS HSIP SFTY - 2A	90% FED. 10% STATE STRUCTURES HSIP SFTY - 2A
54002020	EXPANSION BOLTS 3/4 INCH	EACH	84		84
54003000	CONCRETE BOX CULVERTS	CU YD	53.5		53.5
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6	
60107600	PIPE UNDERDRAINS 4"	FOOT	3158	3158	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	108	108	
60500060	REMOVING INLETS	EACH	1	1	
63500105	DELINEATORS	EACH	30	30	
64200105	SHOULDER RUMBLE STRIP	FOOT	4179	4179	
66500105	WOVEN WIRE FENCE, 4'	FOOT	233	233	
66600205	RE-ERECTING RIGHT-OF-WAY MARKERS	EACH	5	5	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
* 67100100	MOBILIZATION	L. SUM	1	1	

*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	5
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

	CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% Fed 10% State ROADWAYS HSIP SFTY - 2A	90% FED 10% STATE STRUCTURES HSIP SFTY - 2A
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
	70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
	X0326333	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451 (SPECIAL)	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	8	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1900	1900	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	634	634	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4898	4898	
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	729	729	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	138	138	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70	
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	813	813	
	Z0013798	CONSTRUCTION LAYOUT	L. SUM	1	1	
*	A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	3	3	

*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	6
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

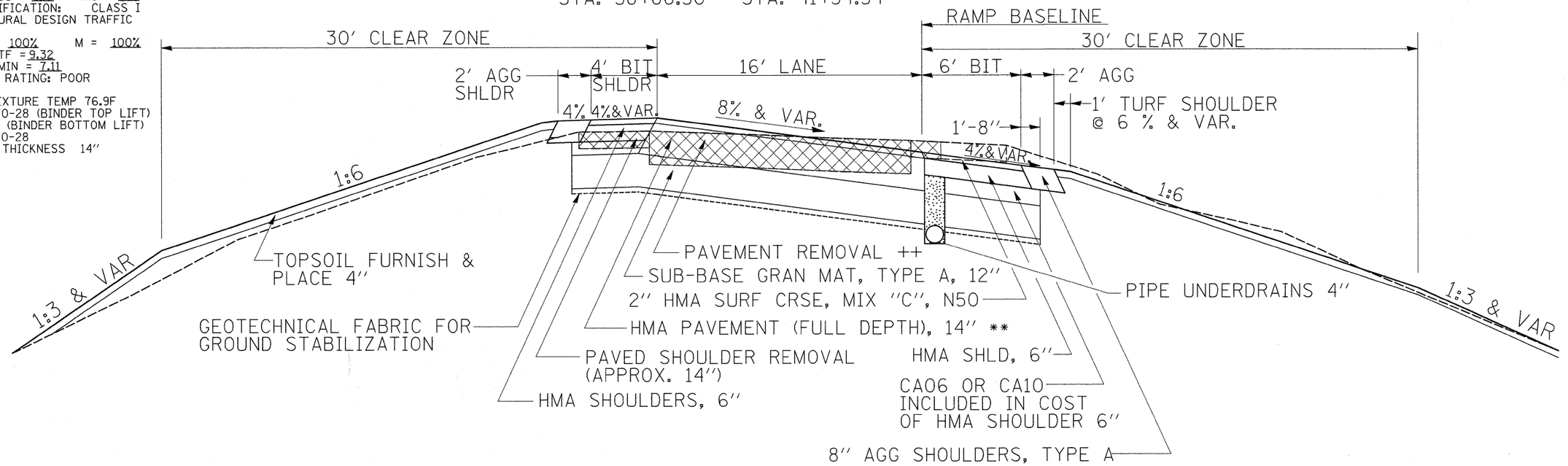
TYPICAL SECTIONS

STRUCTURAL DESIGN INFORMATION
(FLEXIBLE PAVEMENT)

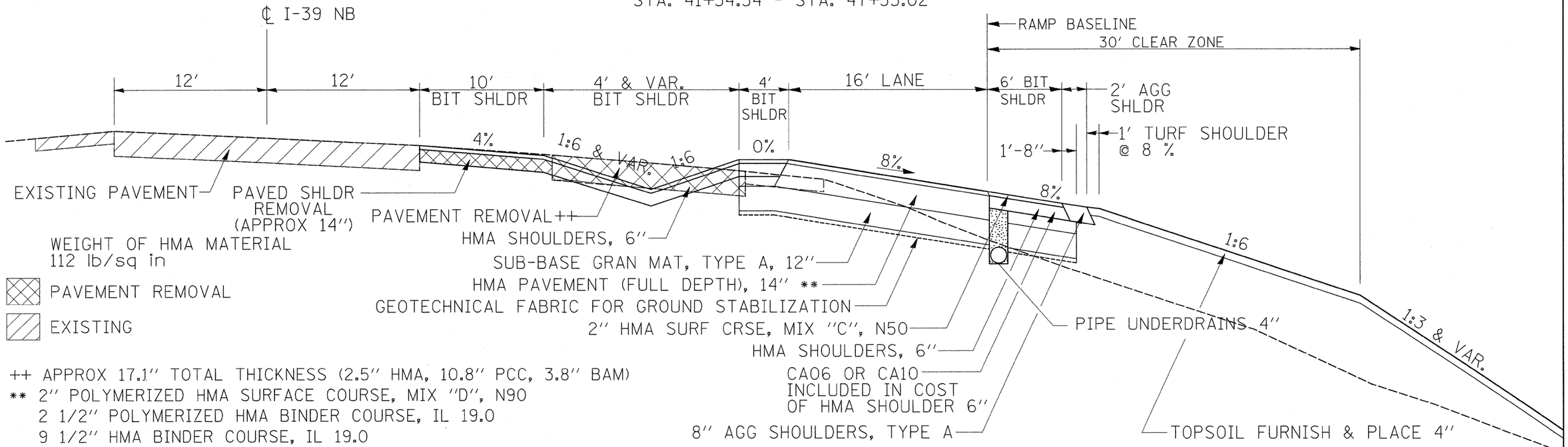
STRUCTURAL DESIGN TRAFFIC: YEAR 2019
PV= 3,046 SU= 123 MU= 931
ROAD/STREET CLASSIFICATION: CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 100% S = 100% M = 100%
TRAFFIC FACTOR: TF = 9.32
TRAFFIC FACTOR: MIN = 7.11
SUB-GRADE SUPPORT RATING: POOR

AC 20 AC MIXTURE TEMP 76.9F
AC GRADE: SBS PG 70-28 (BINDER TOP LIFT)
PG 64-22 (BINDER BOTTOM LIFT)
SURFACE: SBS PG 70-28
FLEXIBLE PAVEMENT THICKNESS 14"

STA. 38+66.50 - STA. 41+54.54



STA. 41+54.54 - STA. 47+35.02



WEIGHT OF HMA MATERIAL
112 lb/sq in

PAVEMENT REMOVAL

EXISTING

++ APPROX 17.1" TOTAL THICKNESS (2.5" HMA, 10.8" PCC, 3.8" BAM)
** 2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N90
2 1/2" POLYMERIZED HMA BINDER COURSE, IL 19.0
9 1/2" HMA BINDER COURSE, IL 19.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

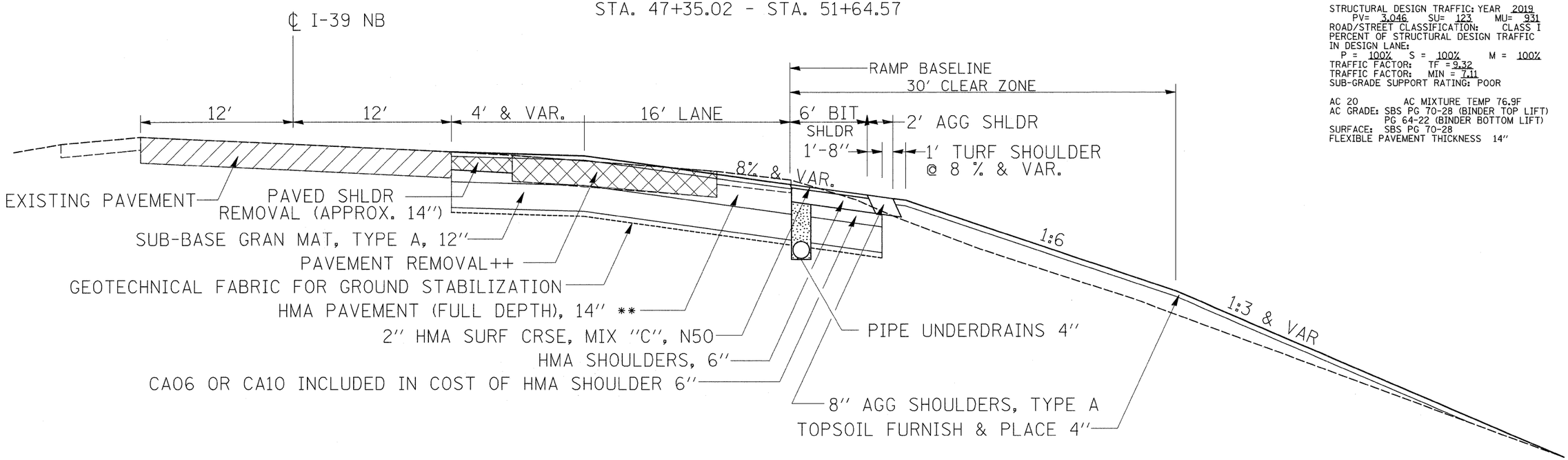
TYPICAL SECTIONS

SCALE: 1" = 50' | SHEET NO. 7 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	7
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

STA. 47+35.02 - STA. 51+64.57

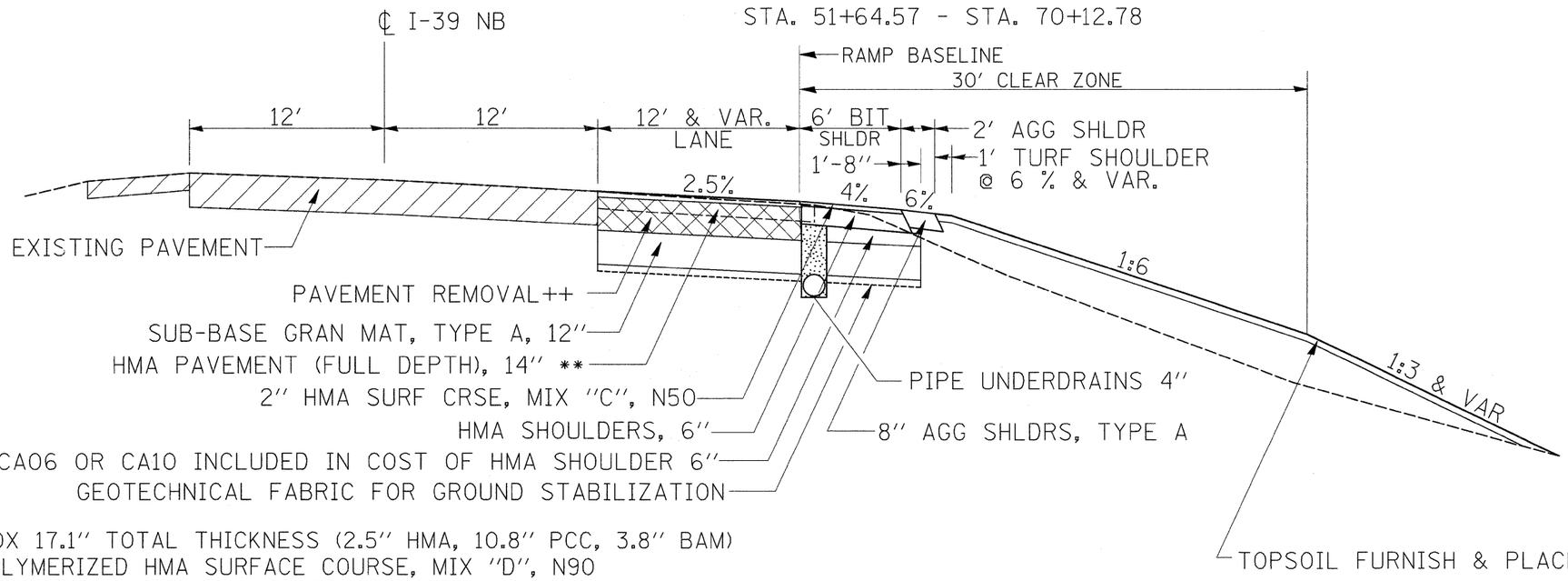


STRUCTURAL DESIGN INFORMATION
(FLEXIBLE PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: YEAR 2019
PV= 3,046 SU= 123 MU= 931
ROAD/STREET CLASSIFICATION: CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 100% S = 100% M = 100%
TRAFFIC FACTOR: TF = 9.32
TRAFFIC FACTOR: MIN = 7.11
SUB-GRADE SUPPORT RATING: POOR

AC 20 AC MIXTURE TEMP 76.9F
AC GRADE: SBS PG 70-28 (BINDER TOP LIFT)
PG 64-22 (BINDER BOTTOM LIFT)
SURFACE: SBS PG 70-28
FLEXIBLE PAVEMENT THICKNESS 14″

STA. 51+64.57 - STA. 70+12.78



++ APPROX 17.1″ TOTAL THICKNESS (2.5″ HMA, 10.8″ PCC, 3.8″ BAM)
** 2″ POLYMERIZED HMA SURFACE COURSE, MIX ″D″, N90
2 1/2″ POLYMERIZED HMA BINDER COURSE, IL 19.0
9 1/2″ HMA BINDER COURSE, IL 19.0

WEIGHT OF HMA MATERIAL
112 lb/sq in

PAVEMENT REMOVAL

EXISTING

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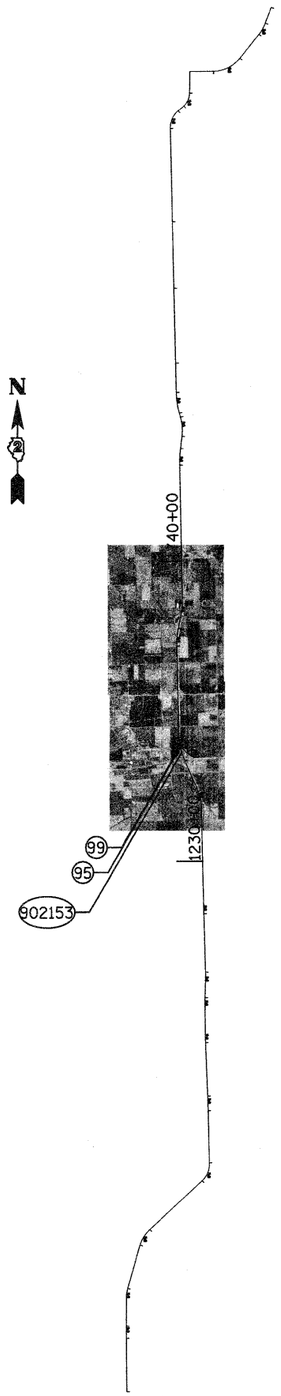
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: 1″ = 50′ | SHEET NO. 82 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	828	8
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Chain RAMP contains:
28 CUR 200 CUR 210 CUR 220

Beginning chain RAMP description

==========

Point 28 N 1,910,141.1630 E 2,610,923.7910 Sta 10+00.0000

Course from 28 to PC 200 271° 30′ 10.8552″ Dist 758.7876′

Curve Data

Curve 200
P.I. Station 20+23.7799 N 1,910,168.0163 E 2,609,900.3634
Delta = 37° 54′ 51.8278″ (RT)
Degree = 7° 25′ 36.7607″
Tangent = 264.9923′
Length = 510.5025′
Radius = 771.4652′
External = 44.2428′
Long Chord = 501.2390′
Mid. Ord. = 41.8431′
P.C. Station 17+58.7876 N 1,910,161.0657 E 2,610,165.2645
P.T. Station 22+69.2900 N 1,910,336.2772 E 2,609,695.6461
C.C. N 1,910,932.2654 E 2,610,185.4997

Course from PT 200 to PC 210 309° 25′ 02.6829″ Dist 1,945.6848′

Curve Data

Curve 210
P.I. Station 44+81.5963 N 1,911,741.0150 E 2,607,986.5495
Delta = 38° 15′ 58.4567″ (RT)
Degree = 7° 27′ 19.2243″
Tangent = 266.6215′
Length = 513.2729′
Radius = 768.5200′
External = 44.9356′
Long Chord = 503.7865′
Mid. Ord. = 42.4533′
P.C. Station 42+14.9748 N 1,911,571.7196 E 2,608,192.5255
P.T. Station 47+28.2477 N 1,912,001.5001 E 2,607,929.6767
C.C. N 1,912,165.4325 E 2,608,680.5090

Course from PT 210 to PC 220 347° 41′ 01.1396″ Dist 78.1116′

Curve Data

Curve 220
P.I. Station 50+72.9808 N 1,912,338.2991 E 2,607,856.1420
Delta = 1° 05′ 19.7235″ (RT)
Degree = 0° 12′ 15.0948″
Tangent = 266.6215′
Length = 533.2270′
Radius = 28,059.6214′
External = 1.2667′
Long Chord = 533.2189′
Mid. Ord. = 1.2666′
P.C. Station 48+06.3592 N 1,912,077.8139 E 2,607,913.0148
P.T. Station 53+39.5862 N 1,912,599.8179 E 2,607,804.2292
C.C. N 1,918,063.1890 E 2,635,326.8369

==========

Ending chain RAMP description

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
RAMP	200	200	201	202	203
RAMP	210	210	211	212	213
RAMP	220	220	221	222	223

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
I39_D2	10406200	10406200	10406201	10406202	10406203
I39_D2	10406210	10406210	10406211	10406212	10406213
I39_D2	10406220	10406220	10406221	10406222	10406223
I39_D2	10406230	10406230	10406231	10406232	10406233
I39_D2	120061240	120061240	120061241	120061242	120061243
I39_D2	A044200	044200	44201	44202	44203
I39_D2	A044210	044210	44211	44212	44213
I39_D2	A044220	044220	44221	44222	44223
I39_D2	A0441280	0441280	441281	441282	441283
I39_D2	A044230	044230	44231	44232	44233
I39_D2	A044240	044240	44241	44242	44243
I39_D2	A044250	044250	44251	44252	44253
I39_D2	A044260	044260	44261	44262	44263
I39_D2	02702200	2702200	2702201	2702202	2702203
I39_D2	02702210	2702210	2702211	2702212	2702213
I39_D2	02702220	2702220	2702221	2702222	2702223
I39_D2	125001200	125001200	125001201	125001202	125001203
I39_D2	12500200	12500200	12500201	12500202	12500203
I39_D2	12500220	12500220	12500221	12500222	12500223
I39_D2	12500230	12500230	12500231	12500232	12500233

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
HORIZONTAL & VERTICAL CONTROL

SCALE: | SHEET NO. 9 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	9
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Chain I39_D2 contains:
1040660 CUR 10406200 CUR 10406210 CUR 10406220 CUR 10406230 CUR 120061240 CUR - A044200 CUR A044210 CUR A044220 CUR A0441280 CUR A044230 CUR A044240 CUR A04425-0 CUR A044260 CUR 02702200 CUR 02702210 CUR 02702220 1251220 1251230 1251240 CU-R 125001200 CUR 12500200 12500210 CUR 12500220 CUR 12500230 1251002

Beginning chain I39_D2 description

Point 1040660 N 1,803,840.7746 E 2,598,823.6786 Sta 291+21.5271

Course from 1040660 to PC 10406200 359° 32′ 46.5883″ Dist 8,747.7560′

Curve Data

Curve 10406200
P.I. Station 388+79.3412 N 1,813,598.2827 E 2,598,746.4073
Delta = 0° 40′ 19.4166″ (RT)
Degree = 0° 01′ 59.7676″
Tangent = 1,010.0581′
Length = 2,020.0931′
Radius = 172,220.8961′
External = 2.9619′
Long Chord = 2,020.0815′
Mid. Ord. = 2.9619′
P.C. Station 378+69.2831 N 1,812,588.2563 E 2,598,754.4059
P.T. Station 398+89.3761 N 1,814,608.3335 E 2,598,750.2563
C.C. N 1,813,952.0599 E 2,770,969.9020

Course from PT 10406200 to PC 10406210 0° 13′ 06.0049″ Dist 4,934.4789′

Curve Data

Curve 10406210
P.I. Station 455+96.5619 N 1,820,315.4779 E 2,598,772.0044
Delta = 15° 19′ 18.0170″ (RT)
Degree = 0° 59′ 50.5644″
Tangent = 772.7069′
Length = 1,536.1935′
Radius = 5,744.6346′
External = 51.7352′
Long Chord = 1,531.6204′
Mid. Ord. = 51.2734′
P.C. Station 448+23.8550 N 1,819,542.7766 E 2,598,769.0598
P.T. Station 463+60.0485 N 1,821,059.9374 E 2,598,979.0212
C.C. N 1,819,520.8858 E 2,604,513.6527

Course from PT 10406210 to PC 10406220 15° 32′ 24.0219″ Dist 7,694.6665′

Curve Data

Curve 10406220
P.I. Station 556+80.2761 N 1,830,039.4513 E 2,601,476.0141
Delta = 31° 39′ 41.0636″ (RT)
Degree = 0° 59′ 57.9242″
Tangent = 1,625.5611′
Length = 3,167.9674′
Radius = 5,732.8836′
External = 226.0092′
Long Chord = 3,127.8136′
Mid. Ord. = 217.4371′
P.C. Station 540+54.7150 N 1,828,473.3148 E 2,601,040.5081
P.T. Station 572+22.6823 N 1,831,143.8953 E 2,602,668.7641
C.C. N 1,826,937.4113 E 2,606,563.8183

Course from PT 10406220 to PC 10406230 47° 12′ 05.0855″ Dist 11,957.6534′

Curve Data

Curve 10406230
P.I. Station 709+45.0908 N 1,840,467.2181 E 2,612,737.5349
Delta = 48° 33′ 56.9993″ (LT)
Degree = 1° 27′ 53.1454″
Tangent = 1,764.7551′
Length = 3,315.6112′
Radius = 3,911.6085′
External = 379.6666′
Long Chord = 3,217.2401′
Mid. Ord. = 346.0759′
P.C. Station 691+80.3357 N 1,839,268.2026 E 2,611,442.6518
P.T. Station 724+95.9469 N 1,842,231.4729 E 2,612,695.5136
C.C. N 1,842,138.3321 E 2,608,785.0142

Course from PT 10406230 to PC 120061240 358° 38′ 08.0863″ Dist 8,762.0900′

Curve Data

Curve 120061240
P.I. Station 824+77.3443 N 1,852,210.0403 E 2,612,457.8428
Delta = 0° 50′ 38.7730″ (LT)
Degree = 0° 02′ 04.6129″
Tangent = 1,219.3075′
Length = 2,438.5708′
Radius = 165,524.4867′
External = 4.4908′
Long Chord = 2,438.5487′
Mid. Ord. = 4.4907′
P.C. Station 812+58.0369 N 1,850,991.0785 E 2,612,486.8762
P.T. Station 836+96.6077 N 1,853,428.4420 E 2,612,410.8550
C.C. N 1,847,049.7122 E 2,447,009.3208

Course from PT 120061240 to PC A044200 357° 47′ 29.3133″ Dist 8,882.7771′

Curve Data

Curve A044200
P.I. Station 931+71.2791 N 1,862,896.0756 E 2,612,045.7346
Delta = 1° 34′ 41.8254″ (RT)
Degree = 0° 07′ 59.9999″
Tangent = 591.8943′
Length = 1,183.7138′
Radius = 42,971.8400′
External = 4.0762′
Long Chord = 1,183.6763′
Mid. Ord. = 4.0758′
P.C. Station 925+79.3847 N 1,862,304.6209 E 2,612,068.5441
P.T. Station 937+63.0985 N 1,863,487.9341 E 2,612,039.2240
C.C. N 1,863,960.6040 E 2,655,008.4644

Course from PT A044200 to PC A044210 359° 22′ 11.1387″ Dist 5,381.8786′

Curve Data

Curve A044210
P.I. Station 996+57.1000 N 1,869,381.5790 E 2,611,974.3928
Delta = 2° 23′ 22.4237″ (RT)
Degree = 0° 14′ 00.0005″
Tangent = 512.1230′
Length = 1,024.0975′
Radius = 24,555.3200′
External = 5.3398′
Long Chord = 1,024.0233′
Mid. Ord. = 5.3386′
P.C. Station 991+44.9771 N 1,868,869.4870 E 2,611,980.0259
P.T. Station 1001+69.0745 N 1,869,893.4606 E 2,611,990.1156
C.C. N 1,869,139.5840 E 2,636,533.8604

Course from PT A044210 to PC A044220 1° 45′ 33.5623″ Dist 2,771.2093′

Curve Data

Curve A044220
P.I. Station 1036+63.7533 N 1,873,386.4920 E 2,612,097.4062
Delta = 3° 22′ 30.7789″ (LT)
Degree = 0° 14′ 00.0005″
Tangent = 723.4695′
Length = 1,446.5205′
Radius = 24,555.3200′
External = 10.6554′
Long Chord = 1,446.3113′
Mid. Ord. = 10.6508′
P.C. Station 1029+40.2839 N 1,872,663.3636 E 2,612,075.1949
P.T. Station 1043+86.8043 N 1,874,109.6737 E 2,612,077.0052
C.C. N 1,873,417.2402 E 2,587,531.4500

Course from PT A044220 to PC A0441280 358° 23′ 02.7835″ Dist 9,773.1286′

Curve Data

Curve A0441280
P.I. Station 1146+59.9329 N 1,884,378.7170 E 2,611,787.3140
Delta = 0° 17′ 24.8599″ (RT)
Degree = 0° 01′ 44.4862″
Tangent = 500.0000′
Length = 999.9979′
Radius = 197,408.6362′
External = 0.6332′
Long Chord = 999.9968′
Mid. Ord. = 0.6332′
P.C. Station 1141+59.9329 N 1,883,878.9158 E 2,611,801.4135
P.T. Station 1151+59.9307 N 1,884,878.5832 E 2,611,775.7465
C.C. N 1,889,445.6268 E 2,809,131.5464

Course from PT A0441280 to PC A044230 358° 40′ 27.6434″ Dist 17,358.0759′

Curve Data

Curve A044230
P.I. Station 1336+59.2513 N 1,903,372.9524 E 2,611,347.7652
Delta = 22° 31′ 48.0609″ (LT)
Degree = 0° 59′ 59.9987″
Tangent = 1,141.2446′
Length = 2,253.0025′
Radius = 5,729.5800′
External = 112.5537′
Long Chord = 2,238.5152′
Mid. Ord. = 110.3853′
P.C. Station 1325+18.0067 N 1,902,232.0132 E 2,611,374.1679
P.T. Station 1347+71.0092 N 1,904,416.6972 E 2,610,886.2069
C.C. N 1,902,099.4595 E 2,605,646.1214

Course from PT A044230 to PC A044240 336° 08′ 39.5825″ Dist 5,565.4684′

Curve Data

Curve A044240
P.I. Station 1427+93.2628 N 1,911,753.5868 E 2,607,641.7338
Delta = 22° 37′ 51.7449″ (RT)
Degree = 0° 27′ 59.9955″
Tangent = 2,456.7853′
Length = 4,849.5216′
Radius = 12,277.7000′
External = 243.3907′
Long Chord = 4,818.0583′
Mid. Ord. = 238.6595′
P.C. Station 1403+36.4776 N 1,909,506.6917 E 2,608,635.3416
P.T. Station 1451+85.9992 N 1,914,209.8109 E 2,607,589.2268
C.C. N 1,914,472.2126 E 2,619,864.1224

Course from PT A044240 to PC A044250 358° 46′ 31.3275″ Dist 14,548.9351′

Curve Data

Curve A044250
P.I. Station 1612+73.7835 N 1,930,293.9205 E 2,607,245.3951
Delta = 12° 15′ 49.6595″ (RT)
Degree = 0° 24′ 00.0045″
Tangent = 1,538.8491′
Length = 3,065.9390′
Radius = 14,323.9000′
External = 82.4239′
Long Chord = 3,060.0896′
Mid. Ord. = 81.9523′
P.C. Station 1597+34.9344 N 1,928,755.4229 E 2,607,278.2838
P.T. Station 1628+00.8733 N 1,931,804.2956 E 2,607,540.0538
C.C. N 1,929,061.5564 E 2,621,598.9120

Course from PT A044250 to PC A044260 11° 02′ 20.9869″ Dist 2,021.4285′

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-HVC sht.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 12500.0000 ′ / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 09:58:59 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
HORIZONTAL & VERTICAL CONTROL

SCALE: | SHEET NO. 10 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	10
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Curve Data

Curve A044260
P.I. Station 1663+42.3295 N 1,935,280.2225 E 2,608,218.1716
Delta = 12° 06′ 53.7080″ (LT)
Degree = 0° 24′ 00.0045″
Tangent = 1,520.0276′
Length = 3,028.7202′
Radius = 14,323.9000′
External = 80.4256′
Long Chord = 3,023.0812′
Mid. Ord. = 79.9765′
P.C. Station 1648+22.3019 N 1,933,788.3207 E 2,607,927.1168
P.T. Station 1678+51.0221 N 1,936,799.9822 E 2,608,189.6340
C.C. N 1,936,531.0599 E 2,593,868.2586

Course from PT A044260 to PC 02702200 358° 55′ 27.2789″ Dist 22,165.3864′

Curve Data

Curve 02702200
P.I. Station 1914+60.8180 N 1,960,405.6167 E 2,607,746.3748
Delta = 7° 41′ 30.9930″ (RT)
Degree = 0° 15′ 59.9999″
Tangent = 1,444.4094′
Length = 2,884.4788′
Radius = 21,485.9200′
External = 48.4961′
Long Chord = 2,882.3132′
Mid. Ord. = 48.3869′
P.C. Station 1900+16.4085 N 1,958,961.4619 E 2,607,773.4926
P.T. Station 1929+00.8873 N 1,961,840.4068 E 2,607,912.7964
C.C. N 1,959,364.8467 E 2,629,255.6257

Course from PT 02702200 to PC 02702210 6° 36′ 58.2719″ Dist 2,049.3662′

Curve Data

Curve 02702210
P.I. Station 1966+12.2389 N 1,965,527.0417 E 2,608,340.4101
Delta = 21° 53′ 01.2877″ (LT)
Degree = 0° 39′ 59.3348″
Tangent = 1,661.9854′
Length = 3,283.4637′
Radius = 8,596.7497′
External = 159.1798′
Long Chord = 3,263.5421′
Mid. Ord. = 156.2859′
P.C. Station 1949+50.2535 N 1,963,876.1247 E 2,608,148.9198
P.T. Station 1982+33.7172 N 1,967,130.3705 E 2,607,902.7662
C.C. N 1,964,866.6231 E 2,599,609.4223

Course from PT 02702210 to PC 02702220 344° 43′ 56.9842″ Dist 700.5475′

Curve Data

Curve 02702220
P.I. Station 2006+95.5160 N 1,969,505.2847 E 2,607,254.5107
Delta = 13° 59′ 11.3347″ (RT)
Degree = 0° 23′ 56.5602″
Tangent = 1,761.2512′
Length = 3,504.9930′
Radius = 14,358.2430′
External = 107.6185′
Long Chord = 3,496.2969′
Mid. Ord. = 106.8178′
P.C. Station 1989+34.2647 N 1,967,806.1935 E 2,607,718.2939
P.T. Station 2024+39.2577 N 1,971,266.0958 E 2,607,215.1358
C.C. N 1,971,587.0915 E 2,621,569.7903

Course from PT 02702220 to 1251220 358° 43′ 08.3189″ Dist 4,961.8655′

Point 1251220 N 1,976,226.7211 E 2,607,104.2074 Sta 2074+01.1232

Course from 1251220 to 1251230 358° 42′ 47.2167″ Dist 12,433.2331′

Point 1251230 N 1,988,656.8182 E 2,606,824.9759 Sta 2198+34.3562

Course from 1251230 to 1251240 358° 43′ 25.9716″ Dist 11,067.4536′

Point 1251240 N 1,999,721.5269 E 2,606,578.4967 Sta 2309+01.8099

Course from 1251240 to PC 125001200 358° 43′ 14.5408″ Dist 15,579.6486′

Curve Data

Curve 125001200
P.I. Station 2482+69.5493 N 2,017,084.9373 E 2,606,190.7438
Delta = 50° 10′ 10.5362″ (RT)
Degree = 1° 29′ 59.8803″
Tangent = 1,788.0908′
Length = 3,344.7137′
Radius = 3,819.8033′
External = 397.7986′
Long Chord = 3,238.8809′
Mid. Ord. = 360.2788′
P.C. Station 2464+81.4585 N 2,015,297.2922 E 2,606,230.6648
P.T. Station 2498+26.1722 N 2,018,260.6120 E 2,607,537.9845
C.C. N 2,015,382.5733 E 2,610,049.5160

Course from PT 125001200 to PC 12500200 48° 53′ 25.0769″ Dist 1,267.3440′

Curve Data

Curve 12500200
P.I. Station 2523+70.4014 N 2,019,933.4499 E 2,609,454.9393
Delta = 48° 02′ 44.7033″ (LT)
Degree = 1° 59′ 59.8406″
Tangent = 1,276.8852′
Length = 2,402.3407′
Radius = 2,864.8524′
External = 271.6768′
Long Chord = 2,332.5705′
Mid. Ord. = 248.1449′
P.C. Station 2510+93.5162 N 2,019,093.8942 E 2,608,492.8675
P.T. Station 2534+95.8569 N 2,021,210.1964 E 2,609,473.7601
C.C. N 2,021,252.4232 E 2,606,609.2189

Course from PT 12500200 to 12500210 0° 50′ 40.3736″ Dist 3,673.2929′

Point 12500210 N 2,024,883.0902 E 2,609,527.9030 Sta 2571+69.1497

Course from 12500210 to PC 12500220 89° 20′ 54.4507″ Dist 3,962.2429′

Curve Data

Curve 12500220
P.I. Station 2638+44.9111 N 2,024,959.0023 E 2,616,203.2328
Delta = 50° 40′ 59.9974″ (LT)
Degree = 0° 59′ 59.9204″
Tangent = 2,713.5185′
Length = 5,068.4453′
Radius = 5,729.7047′
External = 610.0665′
Long Chord = 4,904.8015′
Mid. Ord. = 551.3607′
P.C. Station 2611+31.3927 N 2,024,928.1461 E 2,613,489.8897
P.T. Station 2661+99.8380 N 2,027,077.7469 E 2,617,898.5510
C.C. N 2,030,657.4803 E 2,613,424.7356

Course from PT 12500220 to PC 12500230 38° 39′ 54.4533″ Dist 5,141.9331′

Curve Data

Curve 12500230
P.I. Station 2724+10.2751 N 2,031,926.9234 E 2,621,778.6304
Delta = 17° 40′ 00.0918″ (LT)
Degree = 0° 49′ 59.9338″
Tangent = 1,068.5040′
Length = 2,120.0498′
Radius = 6,875.6452′
External = 82.5297′
Long Chord = 2,111.6613′
Mid. Ord. = 81.5508′
P.C. Station 2713+41.7711 N 2,031,092.6239 E 2,621,111.0638
P.T. Station 2734+61.8209 N 2,032,924.4683 E 2,622,161.5207
C.C. N 2,035,388.3037 E 2,615,742.4855

Course from PT 12500230 to 1251002 20° 59′ 54.3615″ Dist 2,817.0876′

Point 1251002 N 2,035,554.4738 E 2,623,171.0027 Sta 2762+78.9085

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Ending chain I39_D2 description

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-HVC sht.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**I-39 HORIZONTAL & VERTICAL CONTROL**			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					39	(141-1)M-1	OGLE	82	11
	PLOT SCALE = 12500.0000 ' / IN.	CHECKED -	REVISED -							CONTRACT NO. 64E60		
	PLOT DATE = Fri Jan 23 09:58:59 2009	DATE -	REVISED -		SCALE:	SHEET NO. 11 OF 82 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
53	1910119.3087	2610125.9460	817.5422	RAMP	17+94.9635	43.6699′ LT	PAVEMENT - EDGE
55	1910141.8439	2610861.1314	819.8723	RAMP	10+62.6559	0.9629′ LT	PAVEMENT - EDGE, BEGINNING
56	1910145.9486	2610728.9966	819.0685	RAMP	11+94.8529	0.3254′ LT	BEGINNING, BEGINNING
57	1910149.0706	2610616.6615	818.7094	RAMP	13+07.2312	0.151′ LT	BEGINNING, BEGINNING
58	1910152.0372	2610504.8461	818.3729	RAMP	14+19.0860	0.1183′ LT	BEGINNING, BEGINNING
59	1910154.1856	2610427.4650	818.1733	RAMP	14+96.4968	0.0003′ LT	BEGINNING, BEGINNING
60	1910158.6248	2610258.4441	817.6643	RAMP	16+65.5760	0.004′ RT	BEGINNING, BEGINNING
61	1910159.6723	2610218.3679	817.4202	RAMP	17+05.6659	0.0000′	BEGINNING, BEGINNING
62	1910161.2035	2610179.2120	817.1148	RAMP	17+44.8485	0.5036′ RT	BEGINNING, BEGINNING
63	1910162.4864	2610143.5815	816.7724	RAMP	17+80.5186	0.5457′ RT	BEGINNING, BEGINNING
64	1910166.1647	2610096.4939	816.0176	RAMP	18+27.7791	0.2114′ RT	BEGINNING, BEGINNING
65	1910173.5518	2610045.4972	815.1061	RAMP	18+79.3220	0.0574′ LT	BEGINNING, BEGINNING
66	1910182.5385	2610003.2933	814.4851	RAMP	19+22.4738	0.085′ LT	BEGINNING, BEGINNING
67	1910196.4564	2609953.0202	813.9460	RAMP	19+74.6382	0.1964′ LT	BEGINNING, BEGINNING
68	1910202.0616	2609936.5802	813.7711	RAMP	19+92.0045	0.0000′	BEGINNING, BEGINNING
69	1910225.5944	2609875.2662	813.4111	RAMP	20+57.6856	0.3047′ LT	BEGINNING, BEGINNING
70	1910248.4185	2609828.0459	813.3537	RAMP	21+10.1265	0.1693′ LT	BEGINNING, BEGINNING
71	1910269.0396	2609791.6065	813.4411	RAMP	21+51.9982	0.0896′ RT	BEGINNING, BEGINNING
72	1910295.7918	2609749.2040	813.7434	RAMP	22+02.1393	0.1906′ LT	BEGINNING, BEGINNING
73	1910317.9771	2609718.7949	814.0057	RAMP	22+39.7796	0.0032′ LT	BEGINNING, PT
74	1910318.3257	2609718.3251	814.0069	RAMP	22+40.3646	0.0101′ LT	PT, PT
75	1910361.2016	2609665.3214	814.5320	RAMP	23+08.5432	0.0000′	PT, POT
76	1910412.9990	2609602.0339	815.2019	RAMP	23+90.3249	0.1698′ LT	POT, POT
77	1910448.1049	2609559.0525	815.7377	RAMP	24+45.8208	0.3407′ LT	POT, BEGINNING
78	1910448.4091	2609559.3054	815.7087	RAMP	24+45.8186	0.0549′ RT	PAVEMENT - EDGE
79	1910507.6371	2609486.6510	816.5049	RAMP	25+39.5548	0.3221′ LT	PAVEMENT - EDGE, BEGINNING
80	1910507.9677	2609486.9341	816.4956	RAMP	25+39.5460	0.113′ RT	PAVEMENT - EDGE
81	1910574.4047	2609405.8659	817.3293	RAMP	26+44.3597	0.0372′ LT	PAVEMENT - EDGE
82	1910574.0842	2609405.5915	817.3575	RAMP	26+44.3682	0.459′ LT	PAVEMENT - EDGE, BEGINNING
83	1910642.5065	2609322.8571	818.1065	RAMP	27+51.7296	0.1335′ LT	PAVEMENT - EDGE
84	1910642.3151	2609322.6113	818.1442	RAMP	27+51.7980	0.4374′ LT	PAVEMENT - EDGE, BEGINNING
85	1910711.2688	2609238.7206	818.4721	RAMP	28+60.3902	0.4356′ LT	BEGINNING, BEGINNING

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
86	1910711.5994	2609238.9015	818.4835	RAMP	28+60.4603	0.0653′ LT	PAVEMENT - EDGE
87	1910776.6320	2609159.7782	818.7379	RAMP	29+62.8798	0.0655′ LT	PAVEMENT - EDGE
88	1910776.3116	2609159.6379	818.7510	RAMP	29+62.7847	0.4021′ LT	PAVEMENT - EDGE, BEGINNING
89	1910844.2398	2609076.9059	818.7593	RAMP	30+69.8306	0.4568′ LT	BEGINNING, BEGINNING
90	1910844.4917	2609077.0992	818.7564	RAMP	30+69.8412	0.1394′ LT	PAVEMENT - EDGE
91	1910909.7859	2608997.7814	818.5634	RAMP	31+72.5770	0.0611′ LT	PAVEMENT - EDGE
92	1910909.5335	2608997.5806	818.5662	RAMP	31+72.5718	0.3836′ LT	PAVEMENT - EDGE, BEGINNING
93	1910982.4262	2608909.1046	817.8875	RAMP	32+87.2075	0.2502′ LT	BEGINNING, BEGINNING
94	1910982.6819	2608909.3063	817.8724	RAMP	32+87.2140	0.0754′ RT	PAVEMENT - EDGE

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
453	1910969.9750	2608101.8060	819.0620	I39_D2	1418+95.3538	5.0574′ RT	MISC. FLOWLINE ELEVATION, CHISELED SQUARE
458	1917377.4750	2607442.7290	835.1150	I39_D2	1483+56.0708	78.7643′ LT	HANDRAIL, CROSS CUT
459	1919517.2890	2607476.0940	798.7680	I39_D2	1504+94.6829	0.3256′ RT	MISC. FLOWLINE ELEVATION, CORNER
462	1923323.9770	2607556.9690	798.2180	I39_D2	1542+98.7730	162.5395′ RT	FENCE POST, TOP
463	1924730.0700	2607517.0550	800.0400	I39_D2	1557+05.3978	152.686′ RT	FENCE POST, TOP
476	1913543.3880	2607724.0160	794.5490	I39_D2	1445+10.8956	102.1138′ RT	SIGN, BOLT

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	CHAIN	STATION	OFFSET	DESCRIPTION
95	1911992.0004	2607931.8533	805.0091	I39_D2	1429+32.2370	90.3911′ RT	RAMP	47+18.5016	0.0383′ RT	PAVEMENT - EDGE
96	1912038.4608	2607921.3149	804.5479	I39_D2	1429+80.2195	89.4352′ RT	RAMP	47+66.1414	0.2853′ LT	PAVEMENT - EDGE
97	1912073.7397	2607913.6070	803.9622	I39_D2	1430+16.5903	88.8735′ RT	RAMP	48+02.2525	0.2905′ LT	PAVEMENT - EDGE
98	1912105.8137	2607906.6063	803.6650	I39_D2	1430+49.6526	88.2769′ RT	RAMP	48+35.0813	0.3031′ LT	PAVEMENT - EDGE
99	1912144.4505	2607898.3231	803.4073	I39_D2	1430+89.4463	87.588′ RT	RAMP	48+74.5956	0.2223′ LT	PAVEMENT - EDGE
902153	1911008.5681	2608108.3101	821.9813	I39_D2	1419+30.5499	22.254′ RT	RAMP	39+22.4530	488.5312′ LT	FENCE POST

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
HORIZONTAL & VERTICAL CONTROL

SCALE: | SHEET NO. 12 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	12
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

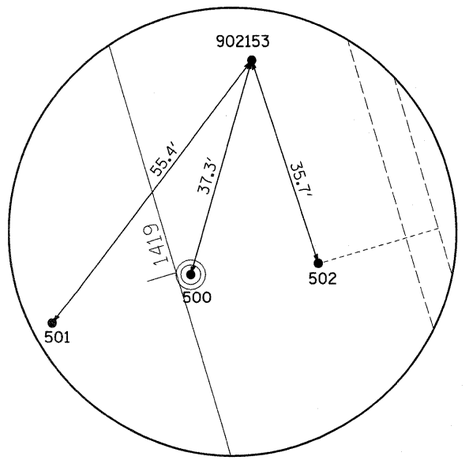
SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	CHAIN	STATION	OFFSET	DESCRIPTION
100	1912186.9799	2607889.4086	803.0214	I39_D2	1431+33.2051	86.8813' RT	RAMP	49+18.0485	0.0009' RT	GROUND SHOT
101	1912236.6474	2607879.0613	802.6804	I39_D2	1431+84.2895	85.9223' RT	RAMP	49+68.7820	0.2385' RT	GROUND SHOT
102	1912274.8785	2607870.9492	802.3763	I39_D2	1432+23.6319	84.8955' RT	RAMP	50+07.8646	0.2147' RT	GROUND SHOT
103	1912308.6469	2607863.7608	802.0336	I39_D2	1432+58.3803	83.8616' RT	RAMP	50+42.3897	0.1257' RT	GROUND SHOT
104	1912352.0423	2607855.0097	801.6940	I39_D2	1433+02.9407	82.8687' RT	RAMP	50+86.6581	0.4254' RT	PAVEMENT - EDGE
105	1912378.4750	2607849.4849	801.4363	I39_D2	1433+30.1129	81.9937' RT	RAMP	51+13.6624	0.3833' RT	PAVEMENT - EDGE
106	1912423.5545	2607840.4024	801.1196	I39_D2	1433+76.3866	80.6986' RT	RAMP	51+59.6481	0.5844' RT	PAVEMENT - EDGE
107	1912461.6003	2607832.6470	800.9517	I39_D2	1434+15.4472	79.382' RT	RAMP	51+98.4771	0.6073' RT	PAVEMENT - EDGE
108	1912495.7414	2607825.6807	800.8256	I39_D2	1434+50.4925	78.0886' RT	RAMP	52+33.3224	0.5754' RT	PAVEMENT - EDGE
109	1912575.5216	2607809.5835	800.5369	I39_D2	1435+32.3262	74.8583' RT	RAMP	53+14.7120	0.5102' RT	PAVEMENT - EDGE
110	1912574.0751	2607803.4843	800.7181	I39_D2	1435+31.8425	68.6084' RT	RAMP	53+14.4863	5.7542' LT	PAVEMENT EDGE RIGHT, BEGINNING

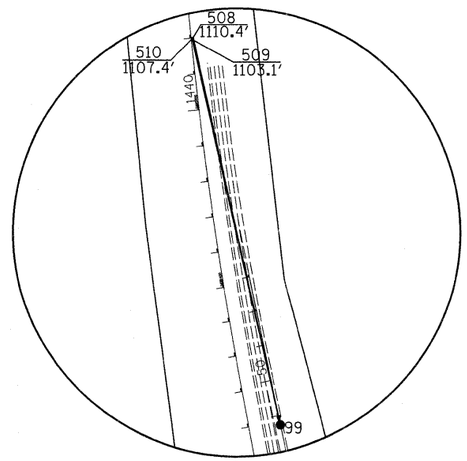
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
111	1912624.9237	2607795.3597	800.5200	I39_D2	1435+83.6245	68.3794' RT	PAVEMENT EDGE RIGHT
112	1912626.6911	2607799.0933	800.4267	I39_D2	1435+84.8137	72.3373' RT	PAVEMENT - EDGE
113	1912676.6197	2607789.0715	800.3607	I39_D2	1436+35.9749	69.8743' RT	PAVEMENT - EDGE
114	1912676.5723	2607787.4931	800.3701	I39_D2	1436+36.1612	68.3061' RT	PAVEMENT EDGE RIGHT
115	1912697.3450	2607784.4571	800.3093	I39_D2	1436+57.2721	68.3401' RT	PAVEMENT EDGE RIGHT
116	1912697.4607	2607784.7377	800.3462	I39_D2	1436+57.3461	68.6345' RT	PAVEMENT - EDGE
117	1912731.5386	2607779.4764	800.2618	I39_D2	1436+92.0199	68.3341' RT	PAVEMENT - EDGE
118	1912731.5687	2607779.5131	800.2607	I39_D2	1436+92.0446	68.3747' RT	PAVEMENT EDGE RIGHT
119	1912787.7916	2607771.7120	800.1741	I39_D2	1437+49.1242	68.5369' RT	PAVEMENT - EDGE
120	1912787.5832	2607770.4543	800.2298	I39_D2	1437+49.0911	67.2624' RT	PAVEMENT STATION NUMBER
121	1912846.0385	2607763.8882	799.9919	I39_D2	1438+08.2244	68.6824' RT	PAVEMENT - EDGE
122	1912892.1027	2607757.3687	800.0107	I39_D2	1438+55.0067	68.2678' RT	PAVEMENT - EDGE
123	1912928.5288	2607752.6393	799.9102	I39_D2	1438+91.9439	68.2371' RT	PAVEMENT - EDGE
124	1912975.7199	2607746.6428	799.7876	I39_D2	1439+39.7801	68.1626' RT	PAVEMENT - EDGE
125	1912983.2082	2607745.6742	799.7892	I39_D2	1439+47.3728	68.1168' RT	PAVEMENT - EDGE
126	1913033.3135	2607739.4063	799.6722	I39_D2	1439+98.1495	67.9018' RT	PAVEMENT - EDGE
127	1913033.1825	2607738.8234	799.6462	I39_D2	1439+98.0878	67.3075' RT	PAVEMENT STATION NUMBER
128	1913086.9232	2607733.4230	799.5139	I39_D2	1440+52.3920	68.1588' RT	PAVEMENT - EDGE

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	I39_D2	1418+99.0222	2.2621' RT	MANHOLE LID, CENTER
501	I39_D2	1418+97.6654	22.367' LT	PIPE
502	I39_D2	1418+94.8033	23.3083' RT	PIPE
505	RAMP	32+49.4785	3.1524' RT	PAVEMENT STATION NUMBER
506	RAMP	32+85.0237	8.1673' RT	FENCE POST
507	RAMP	32+84.2113	22.1628' LT	FENCE POST
508	I39_D2	1442+01.3929	5.4661' RT	FOUNDATION, CORNER
509	I39_D2	1441+93.9814	5.1542' RT	FOUNDATION
510	I39_D2	1441+98.0915	2.7453' RT	MANHOLE



HORIZONTAL CONTROL
POINT No. 902153



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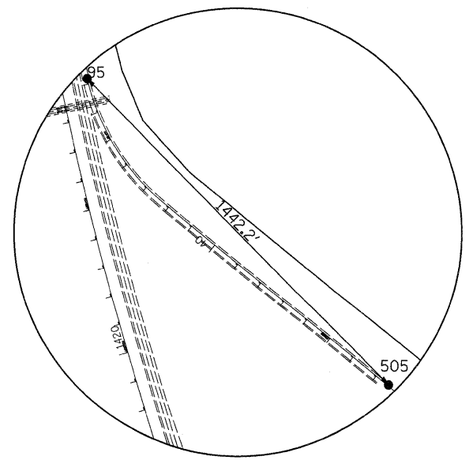
POINT No. 99



HORIZONTAL CONTROL
POINT No. 505

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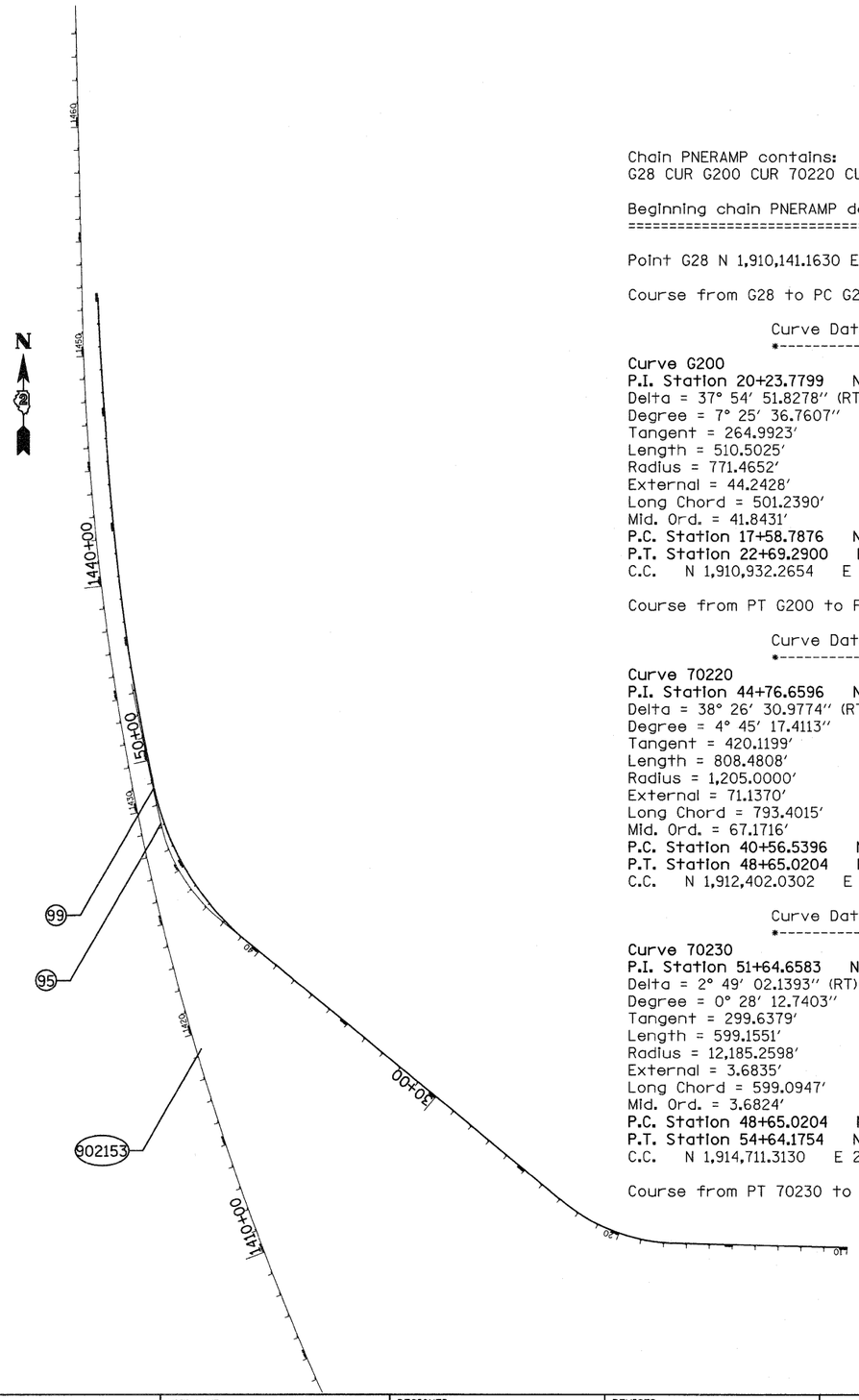
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
HORIZONTAL & VERTICAL CONTROL

SCALE: | SHEET NO. 13 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	13
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Chain PNERAMP contains:
G28 CUR G200 CUR 70220 CUR 70230 CUR 70240 CUR 70250 70001

Beginning chain PNERAMP description

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Point G28 N 1,910,141.1630 E 2,610,923.7910 Sta 10+00.0000

Course from G28 to PC G200 271° 30′ 10.8552″ Dist 758.7876′

Curve Data

Curve G200
P.I. Station 20+23.7799 N 1,910,168.0163 E 2,609,900.3634
Delta = 37° 54′ 51.8278″ (RT)
Degree = 7° 25′ 36.7607″
Tangent = 264.9923′
Length = 510.5025′
Radius = 771.4652′
External = 44.2428′
Long Chord = 501.2390′
Mid. Ord. = 41.8431′
P.C. Station 17+58.7876 N 1,910,161.0657 E 2,610,165.2645
P.T. Station 22+69.2900 N 1,910,336.2772 E 2,609,695.6461
C.C. N 1,910,932.2654 E 2,610,185.4997

Course from PT G200 to PC 70220 309° 25′ 02.6829″ Dist 1,787.2496′

Curve Data

Curve 70220
P.I. Station 44+76.6596 N 1,911,737.8803 E 2,607,990.3634
Delta = 38° 26′ 30.9774″ (RT)
Degree = 4° 45′ 17.4113″
Tangent = 420.1199′
Length = 808.4808′
Radius = 1,205.0000′
External = 71.1370′
Long Chord = 793.4015′
Mid. Ord. = 67.1716′
P.C. Station 40+56.5396 N 1,911,471.1187 E 2,608,314.9231
P.T. Station 48+65.0204 N 1,912,148.6040 E 2,607,902.0070
C.C. N 1,912,402.0302 E 2,609,080.0563

Curve Data

Curve 70230
P.I. Station 51+64.6583 N 1,912,441.5402 E 2,607,838.9895
Delta = 2° 49′ 02.1393″ (RT)
Degree = 0° 28′ 12.7403″
Tangent = 299.6379′
Length = 599.1551′
Radius = 12,185.2598′
External = 3.6835′
Long Chord = 599.0947′
Mid. Ord. = 3.6824′
P.C. Station 48+65.0204 N 1,912,148.6040 E 2,607,902.0070
P.T. Station 54+64.1754 N 1,912,737.2198 E 2,607,790.4462
C.C. N 1,914,711.3130 E 2,619,814.7346

Course from PT 70230 to PC 70240 170° 45′ 56.8673″ Dist 0.0000′

Curve Data

Curve 70240
P.I. Station 59+63.8434 N 1,913,231.8070 E 2,607,719.3716
Delta = 4° 41′ 30.7601″ (RT)
Degree = 0° 28′ 11.1437″
Tangent = 499.6679′
Length = 998.7773′
Radius = 12,196.7641′
External = 10.2307′
Long Chord = 998.4983′
Mid. Ord. = 10.2221′
P.C. Station 54+64.1754 N 1,912,737.2198 E 2,607,790.4462
P.T. Station 64+62.9528 N 1,913,730.5504 E 2,607,688.9911
C.C. N 1,914,472.1307 E 2,619,863.1898

Course from PT 70240 to PC 70250 175° 38′ 58.4518″ Dist 0.0000′

Curve Data

Curve 70250
P.I. Station 67+03.8315 N 1,913,970.6421 E 2,607,669.5358
Delta = 2° 15′ 44.4838″ (RT)
Degree = 0° 28′ 10.7978″
Tangent = 240.8787′
Length = 481.6947′
Radius = 12,199.2593′
External = 2.3779′
Long Chord = 481.6634′
Mid. Ord. = 2.3774′
P.C. Station 64+62.9528 N 1,913,730.5504 E 2,607,688.9911
P.T. Station 69+44.6475 N 1,914,211.3147 E 2,607,659.5734
C.C. N 1,914,715.8615 E 2,619,848.3945

Course from PT 70250 to 70001 357° 37′ 45.8287″ Dist 68.1319′

Point 70001 N 1,914,279.3883 E 2,607,656.7552 Sta 70+12.7795

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Ending chain PNERAMP description

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
PNERAMP	G200	200	201	202	203
PNERAMP	70220	70220	70221	70222	70223
PNERAMP	70230	70230	70231	70232	70233
PNERAMP	70240	70240	70241	70242	70243
PNERAMP	70250	70250	70251	70252	70253

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
HORIZONTAL & VERTICAL CONTROL

SCALE: | SHEET NO. 14 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	14
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 39 (I-39)	(141-1)M-1	Ogle	82	15
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64E60				

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Program #5 (Arch. Size) Enlarge 200% Enlarge 107%

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 μm (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Binder (Top Lift)	Binder (Bottom Lift)	Top Shoulder	Bottom Shoulder
PG:	SBS PG 70-28	SBS PG70-28	PG 64-22	PG 58-22	PG 58-22
Design Air Voids	4 @ N90	4 @ N90	4 @ N90	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 19.0	IL 9.5 or 12.5	BAM
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	9.3	9.3			
	112 lb/SY/in			112 lb/SY/in	

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

On full depth pavement, shoulder widths of 1.8 m (6 ft.) or less may be placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

The structures will retain the same numbers SN 071-2015 and 071-1091.

The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The underdrain system scheduled on this project is to be constructed in accordance with Section 601 of the Standard Specifications for Road and Bridge Construction, except when the Recurring Special Provision Pipe Underdrains is included, the fabric envelope encasement of the pipe shall be omitted.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

BP Pipelines North America, Inc.
NICOR Gas Co.
Verizon
RMU

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

When work is being done on tollway ROW or when a locate is required for tollway facilities, the Contractor shall contact the Illinois State Toll Highway Authority and request that by a permit or whatever is required by the Tollway.

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	OFFSET	REMARKS
7	46+31	RT	NORTH EAST OF BOX CULVERT
10	69+29	RT	NORTH EAST OF BOX CULVERT
10	69+38	RT	NORTH EAST OF BOX CULVERT
27 **TOTAL**			

20200100 EARTH EXCAVATION

CU YD	LOCATION			OFFSET	REMARKS
5555.6	38+50	TO	45+00		
2264.0	45+00	TO	60+00		HAUL FROM STA 38+50 TO 45+00
1009.4	60+00	TO	70+50		HAUL FROM STA 38+50 TO 45+00
8829 **TOTAL**					

21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

SQ YD	LOCATION			OFFSET	REMARKS
182.0	1428+13	TO	1429+69	RT	INTERSTATE 10' SHOULDER
2607.0	38+66	TO	47+35	LT & RT	RAMP B
5945.5	47+35	TO	70+12	RT	RAMP B
8734.5 **TOTAL**					

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD	LOCATION			OFFSET	REMARKS
24425.1	38+50	TO	70+50	LT & RT	LT STA 38+50 TO STA 46+00
24425.1 **TOTAL**					

25000210 SEEDING,CLASS 2A

ACRE	LOCATION			OFFSET	REMARKS
1.14	38+66	TO	46+00	LT	FORESLOPES & BOTTOMS
3.71	38+66	TO	70+12	RT	FORESLOPES & BOTTOMS
4.85 **TOTAL**					

25000310 SEEDING, CLASS 4

ACRE	LOCATION			OFFSET	REMARKS
0.29	38+66	TO	70+12	RT	BACKSLOPES
0.29 **TOTAL**					

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	LOCATION			OFFSET	REMARKS
102.60	38+66	TO	46+00	LT	
360.00	38+66	TO	70+12	RT	
462.60 **TOTAL**					

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND	LOCATION			OFFSET	REMARKS
102.60	38+66	TO	46+00	LT	
360.00	38+66	TO	70+12	RT	
462.60 **TOTAL**					

25000600 POTASSIOUM FERTILIZER NUTRIENT

POUND	LOCATION			OFFSET	REMARKS
102.60	38+66	TO	46+00	LT	
360.00	38+66	TO	70+12	RT	
462.60 **TOTAL**					

25000750 MOWING

ACRE	LOCATION			OFFSET	REMARKS
1.14	38+66	TO	46+00	LT	
4.00	38+66	TO	70+12	RT	
5.14 **TOTAL**					

25100115 MULCH, METHOD 2

ACRE	LOCATION			OFFSET	REMARKS
0.35	38+66	TO	46+00	LT	
2.16	38+66	TO	70+12	RT	
2.51 **TOTAL**					

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION			OFFSET	REMARKS
3829	38+67	TO	46+50	LT	
5573	38+67	TO	45+00	RT	
3360	52+00	TO	63+00	RT	
12761 **TOTAL**					

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION			OFFSET	REMARKS
456	38+66	TO	46+00	LT	4 APPLICATIONS IF APPLICABLE
1600	38+66	TO	70+12	RT	
2056 **TOTAL**					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 16 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	16
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION			OFFSET	REMARKS
6	42+50	TO	43+50	LT	19' Spacing
3	43+00	TO	44+00	RT	63' Spacing
2	43+50	TO	44+50	LT	94' Spacing
2	44+00	TO	46+00	RT	250' Spacing
4	44+50	TO	45+50	LT	35' Spacing
1	45+50	TO	46+00	LT	250' Spacing
18	**TOTAL**				

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION			OFFSET	REMARKS
301	38+66	TO	41+50	LT	Along Construction Limits
150	50+50	TO	52+00	RT	Along Construction Limits
212	68+00	TO	70+12	RT	Along Construction Limits
663	**TOTAL**				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	OFFSET	REMARKS
1	41+06	LT	
1	69+18	RT	
2	**TOTAL**		

31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"

SQ YD	LOCATION			OFFSET	REMARKS
182.0	1428+13	TO	1429+69	RT	INTERSTATE 10' SHOULDER
2607.0	38+66	TO	47+35	LT & RT	RAMP B
5945.5	47+35	TO	70+12	RT	RAMP B
8734.5	**TOTAL**				

40603310 HOT MIX ASPHALT SURFACE COURSE, MIX "C", N 50

TON	LOCATION			OFFSET	REMARKS
18.3	1428+13	TO	1429+69	RT	INTERSTATE 10' SHOULDER
43.3	38+66	TO	47+35	LT	RAMP B 4' SHOULDER
234.9	38+66	TO	70+12	RT	RAMP B 6' SHOULDER
23.9	46+00	TO	47+35	LT	PAVED GORE AREA
320.4	**TOTAL**				

40701961 HOT MIX ASPHALT PAVEMENT(FULL-DEPTH), 14"

SQ YD	LOCATION			OFFSET	REMARKS
2307.6	38+66	TO	51+64		16' WIDE
383.8	47+35	TO	50+64		17' TO 4' GORE AREA
33.3	50+64	TO	51+64		4' TO 2' GORE AREA
466.7	51+64	TO	54+64		16' TO 12'
1332.0	54+64	TO	64+63		12' WIDE
396.5	64+63	TO	70+12		12' TO 1'
4919.9	**TOTAL**				

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION			OFFSET	REMARKS
2130.1	38+66	TO	50+64		16' WIDE
466.7	50+65	TO	54+64		20' TO 1' WIDE
2597	**TOTAL**				

44004250 PAVED SHOULDER REMOVAL

SQ YD	LOCATION			OFFSET	REMARKS
311.1	1428+13	TO	1430+93	RT	INTERSTATE 10' SHOULDER
414.6	38+66	TO	48+00	LT	RAMP B 4' SHOULDER
3628.4	38+66	TO	70+12	RT	RAMP B 6' & 10' SHOULDERS
4354.1	**TOTAL**				

48100100 AGGREGATE SHOULDERS, TYPE A

TON	LOCATION			OFFSET	REMARKS
73.6	38+66	TO	46+00	LT	
315.3	38+66	TO	70+12	RT	
388.9	**TOTAL**				

48203021 HOT - MIX ASPHALT SHOULDERS, 6"

SQ YD	LOCATION			OFFSET	REMARKS
163.3	1428+13	TO	1429+69	RT	INTERSTATE 10' SHOULDER
386.2	38+66	TO	47+35	LT	RAMP B 4' SHOULDER
2097.3	38+66	TO	70+12	RT	RAMP B 6' SHOULDER
213.8	46+00	TO	47+35	LT	PAVED GORE AREA
2860.6	**TOTAL**				

50800105 REINFORCEMENT BARS

POUND	LOCATION	OFFSET	REMARKS
6890	1428+50	RT	DOUBLE 12' X 6' BOX CULVERT
4350	1451+47	RT	DOUBLE 8' X 5' BOX CULVERT
11240	**TOTAL**		

51500100 NAME PLATES

EACH	LOCATION	OFFSET	REMARKS
1	1428+50		SEE STANDARD 515001-03
1	**TOTAL**		

54002020 EXPANSION BOLTS 3/4 INCH

EACH	LOCATION	OFFSET	REMARKS
48.0	1428+50	RT	SEE CULVERT DETAIL SHEETS
37.0	1451+47	RT	SEE CULVERT DETAIL SHEETS
85	**TOTAL**		

54003000 CONCRETE BOX CULVERTS

CU YD	LOCATION	OFFSET	REMARKS
29.5	1428+50	RT	SEE CULVERT DETAIL SHEETS
24.0	1451+47	RT	SEE CULVERT DETAIL SHEETS
53.5	**TOTAL**		

60100060 CONCRETE HEADWALL FOR PIPE DRAINS

EACH	LOCATION	OFFSET	REMARKS
1	43+50	RT	
1	48+50	RT	
1	53+50	RT	
1	58+50	RT	
1	63+50	RT	
1	68+50	RT	
6	**TOTAL**		

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION			OFFSET	REMARKS
3158	38+67	TO	70+25	RT	
3158	**TOTAL**				

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

FOOT	LOCATION	OFFSET	REMARKS
18	43+50	RT	
18	48+50	RT	
18	53+50	RT	
18	58+50	RT	
18	63+50	RT	
18	68+50	RT	
108	**TOTAL**		

60500060 REMOVING INLETS

EACH	LOCATION	OFFSET	REMARKS
1	47+10.6	LT	I-39 STA 1429+33.32 RT
1	**TOTAL**		

63500105 DELINEATORS

EACH	LOCATION			OFFSET	REMARKS
1	1428+50			RT	ONE AT EACH CULVERT LOCATION
1	1451+47			RT	ONE AT EACH CULVERT LOCATION
2	38+56	TO	40+56	LT & RT	200' SPACING
6	40+56	TO	46+00	LT	100' SPACING
9	40+56	TO	48+65	RT	100' SPACING
11	48+65	TO	70+12	RT	200' SPACING
30	**TOTAL**				

64200105 SHOULDER RUMBLE STRIP

FOOT	LOCATION			OFFSET	REMARKS
157	1428+13	TO	1429+69	RT	INTERSTATE 10' SHOULDER
877	38+67	TO	47+44	LT	RAMP B 4' SHOULDER
3145	38+67	TO	70+12	RT	RAMP B 6' SHOULDER
4179	**TOTAL**				

66500105 WOVEN WIRE FENCE, 4'

FOOT	LOCATION			OFFSET	REMARKS
233	45+00	TO	46+93	RT	STA 45+00 TO TOP OF CULVERT TO STA 46+93
233	**TOTAL**				

66600205 RE-ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION	OFFSET	REMARKS
1	42+36.02	123.02' RT	USE ONLY IF NEEDED
1	44+93.49	96.75' RT	USE ONLY IF NEEDED
1	44+99.64	105.22' RT	USE ONLY IF NEEDED
1	46+92.72	104.60' RT	USE ONLY IF NEEDED
1	52+65.30	86.02' RT	USE ONLY IF NEEDED
5	**TOTAL**		

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION	OFFSET	REMARKS
2	TO BE DETERMINED OUT IN FIELD		CONTACT SURVEY DEPARTMENT
2	**TOTAL**		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 18 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)IM-1	OGLE	82	18
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

70300520 PAVEMENT MARKING TAPE, TYPE III 4"

FOOT	LOCATION			OFFSET	REMARKS
600	I-88 WEST BOUND EDGE LINE			RT	PER STANDARD 701451 (SPECIAL)
1300	I-39 LANE CLOSURE			RT	PER STANDARD 701401
1900	**TOTAL**				

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION			OFFSET	REMARKS
200.0	I-88 WEST BOUND LANE			RT	PER STANDARD 701451 (SPECIAL)
433.3	I-39 LANE CLOSURE			RT	PER STANDARD 701401
633.3	**TOTAL**				

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT	LOCATION			OFFSET	REMARKS
883	1428+13	TO	1436+96	RT	INTERSTATE WHITE EDGE LINE
869	38+66	TO	47+35	LT	YELLOW
3146	38+66	TO	70+12	RT	WHITE
4898	**TOTAL**				

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT	LOCATION			OFFSET	REMARKS
729	47+35	TO	54+64	LT	WHITE
729	**TOTAL**				

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT	LOCATION			OFFSET	REMARKS
138	46+00	TO	47+35	LT	RAMP GORE AREA (SEE PLAN SHEET DETAIL)
138	**TOTAL**				

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION			OFFSET	REMARKS
6	38+96	TO	40+56	LT & RT	80' SPACING - 3 AMBER & 3 CRYSTAL
17	40+96	TO	47+28	LT	40' SPACING - AMBER
20	40+96	TO	48+56	RT	40' SPACING - CRYSTAL
27	49+36	TO	70+08	RT	80' SPACING - CRYSTAL
70	**TOTAL**				

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION			OFFSET	REMARKS
812.9	1428+13	TO	1452+54	RT	INTERSTATE EDGE LINE
812.9	**TOTAL**				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

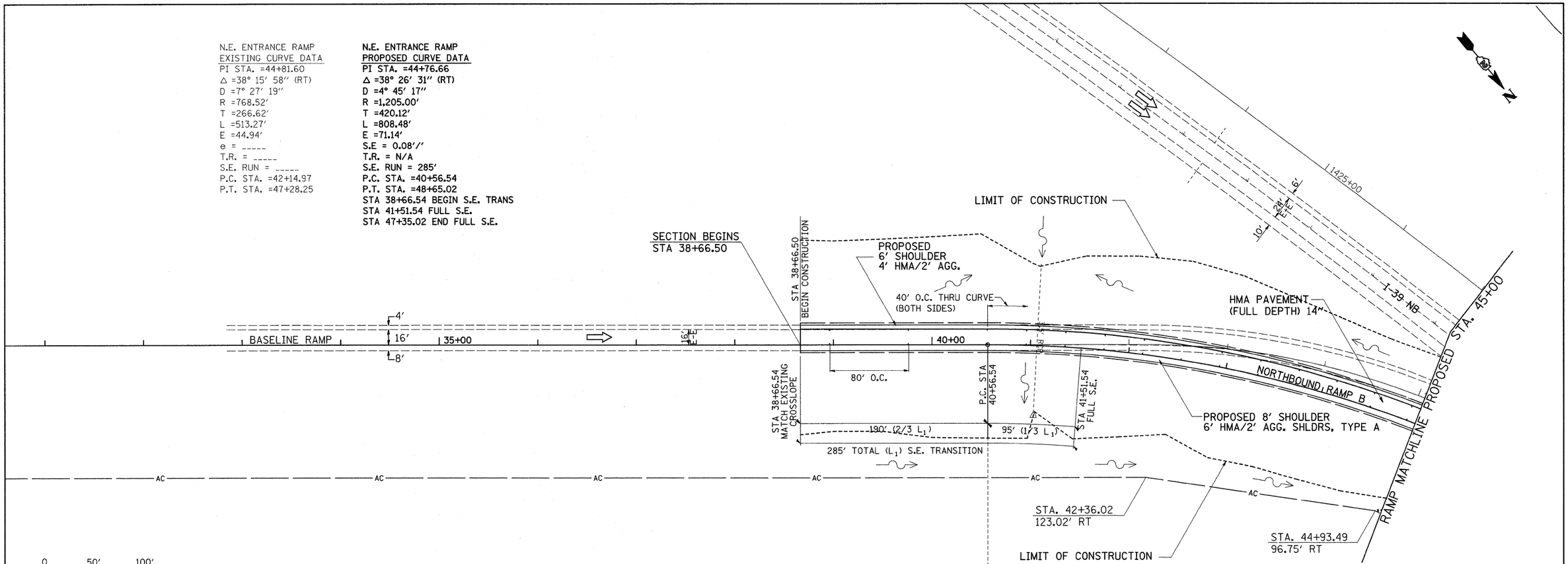
SCALE: | SHEET NO. 19 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	19
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

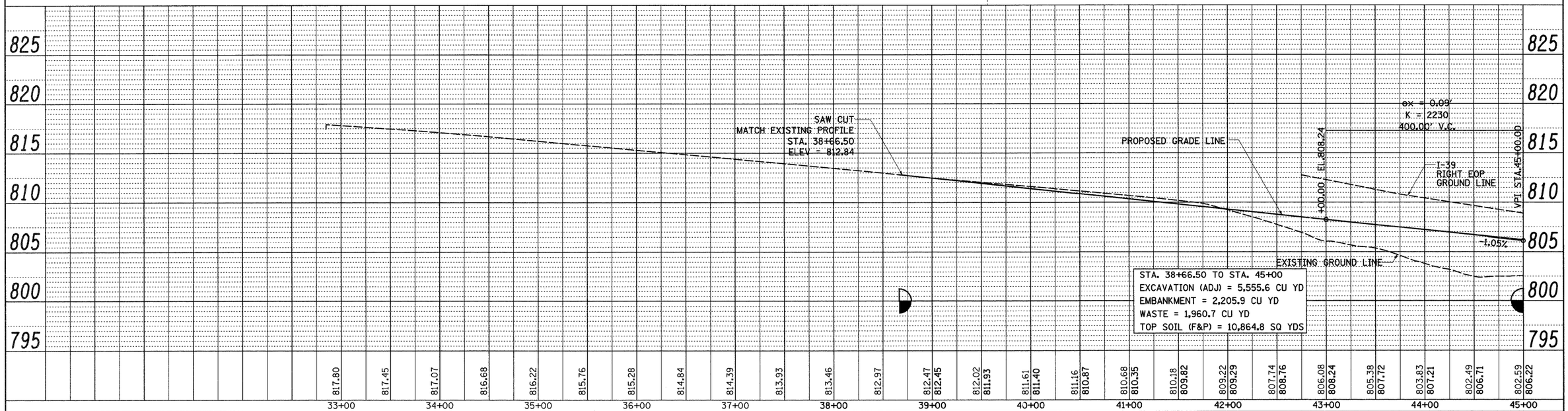
N.E. ENTRANCE RAMP
EXISTING CURVE DATA
PI STA. =44+81.60
Δ =38° 15′ 58″ (RT)
D =7° 27′ 19″
R =768.52′
T =266.62′
L =513.27′
E =44.94′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. =42+14.97
P.T. STA. =47+28.25

N.E. ENTRANCE RAMP
PROPOSED CURVE DATA
PI STA. =44+76.66
Δ =38° 26′ 31″ (RT)
D =4° 45′ 17″
R =1,205.00′
T =420.12′
L =808.48′
E =71.14′
S.E = 0.08′/′
T.R. = N/A
S.E. RUN = 285′
P.C. STA. =40+56.54
P.T. STA. =48+65.02
STA 38+66.54 BEGIN S.E. TRANS
STA 41+51.54 FULL S.E.
STA 47+35.02 END FULL S.E.

PLAN
DATE / BY
SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD
NOTE BOOK / NO. / CHECKED FOR PLOT BY / CHECKED FOR PLOT NAME



PROFILE
SURVEYED / DRAWN / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD
NOTE BOOK / NO. / DATE / BY



STA. 38+66.50 TO STA. 45+00
EXCAVATION (ADJ) = 5,555.6 CU YD
EMBANKMENT = 2,205.9 CU YD
WASTE = 1,960.7 CU YD
TOP SOIL (F&P) = 10,864.8 SQ YDS

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 10:02:04 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE FOR THE NORTHBOUND ENTRANCE RAMP TO I-39 FROM I-88

SCALE: 1″=50′-0″ | SHEET NO. 20 OF 82 SHEETS | STA. 33+00 TO STA. 45+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	20
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INTERSTATE ROUTE 39
EXISTING CURVE DATA
PI STA. =1427+93.26
Δ =22° 37′ 52″ (RT)
D =0° 28′ 00″
R =12,277.70′
T =2,456.79′
L =4,849.52′
E =243.39′
S.E. = 0.023′/′
P.C. STA. =1403+36.48
P.T. STA. =1451+86.00

HMA SHLDRS 6″ AND 2″ HMA SURFACE COURSE MIX ″C″, N50

HMA PAVEMENT (FULL DEPTH) 14″

I-39 NB

NORTH BOUND RAMP B

24′ E.E.

10′

1430+00 | 1435+00 | 1440+00 | 45+00 | 50+00 | 55+00

STA 1429+59.60 A

STA 1430+92.52 B

STA 1432+93.64 C

STA 1433+94.19 D

END FULL S.E. STA 41+35.02 A

-5.81% CROSS-SLOPE STA 48+65.02 B

-3.26% CROSS-SLOPE STA 50+64.70 C

-2.50% CROSS-SLOPE STA 51+64.57 D

STA 54+64.18 -2.50% CROSS-SLOPE

RAMP MATCHLINE PROPOSED STA. 60+00

PROPOSED 8′ SHOULDER 6′ HMA/2′ AGG. SHLDRS, TYPE A

AC

40′ O.C. THRU CURVE

HIGH POINT 51+00

STA. 56+65.30
86.02′ RT

LIMIT OF CONSTRUCTION

STA. 46+92.72
104.60′ RT

STA. 44+99.64
105.22′ RT

STA. 1428+50
SN 071-2015
EXIST 12′X6′
DOUBLE CELL RC
BOX CULVERT
(NEED TO BE
EXTENDED BY
CONSULTANT)

N.E. ENTRANCE RAMP
PROPOSED CURVE DATA
PI STA. =51+64.66
Δ =2° 49′ 02″ (RT)
D =0° 28′ 13″
R =12,185.26′
T =299.64′
L =599.16′
E =3.68′
S.E. = VARIABLE
T.R. = N/A
S.E. RUN = N/A
P.C. STA. =48+65.02
P.T. STA. =54+64.18

N.E. ENTRANCE RAMP
EXISTING CURVE DATA
PI STA. =50+72.98
Δ =1° 05′ 20″ (RT)
D =0° 12′ 15″
R =28,059.62′
T =266.62′
L =533.23′
E =1.27′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. =48+06.36
P.T. STA. =53+39.59

DETAIL ″A″

I-39

PROPOSED 4″ YELLOW EOP

PROPOSED 12″ WHITE

PROPOSED 4″ WHITE EOP

47+44.3 22′ LT

20′

45°

47+44.1 20′ LT

PROPOSED 8″ WHITE

46+00 46.5′ LT

46+00 20′ LT

PROPOSED 4″ WHITE EOP

PROPOSED 4″ YELLOW

GORE AREA PAINT DETAIL

0 50′ 100′

ONE-WAY AMBER MARKER ◀

PLAN
SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / DGN FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE
SURVEYED / PLOTTED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATNS. CHKD / NOTE BOOK / NO. / BY / DATE

820 815 810 805 800 795 790

ex = 0.09′
K = 2230
400.00′ V.C.

VPI STA. 47+00
ELEV = 804.38

1.43′

1.10′

0.61′

0.44′

-0.87%

-0.87%

-0.70%

-0.70%

-0.51%

-0.51%

-0.33%

I-39 RIGHT EOP GROUND LINE

PROPOSED GRADE LINE

EXISTING GROUND LINE

ELEVATION 806.13

STA. 47+35.02
ELEV = 804.07

VPI STA. 48+65.02
ELEV = 802.94

VPI STA. 50+64.70
ELEV = 801.54

VPI STA. 51+64.57
ELEV = 800.93

STA. 45+00 TO STA. 60+00
EXCAVATION (ADJ) = 2,264.0 CU YD
EMBANKMENT = 2,387.4 CU YD
BORROW = 689.3 CU YD
TOP SOIL (F&P) = 7,980.3 SQ YDS

45+00	46+00	47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00
802.59 / 806.22	802.15 / 805.74	802.57 / 805.28	802.88 / 804.82	803.28 / 804.38	803.67 / 803.94	803.68 / 803.50	803.25 / 803.07	802.84 / 802.69	802.47 / 802.34	802.12 / 801.99	801.64 / 801.65	801.19 / 801.33	800.85 / 801.02	800.58 / 800.75	800.39 / 800.52	800.20 / 800.36	800.04 / 800.20	799.95 / 800.04	799.90 / 799.98	799.83 / 799.94	799.66 / 799.82	799.46 / 799.71	799.26 / 799.61	799.06 / 799.54	798.92 / 799.44	798.88 / 799.28	798.81 / 799.19	798.70 / 799.11	798.60 / 799.00	798.48 / 798.87

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	PLOT DATE = Fri Jan 23 10:02:04 2009	DATE -	REVISED -

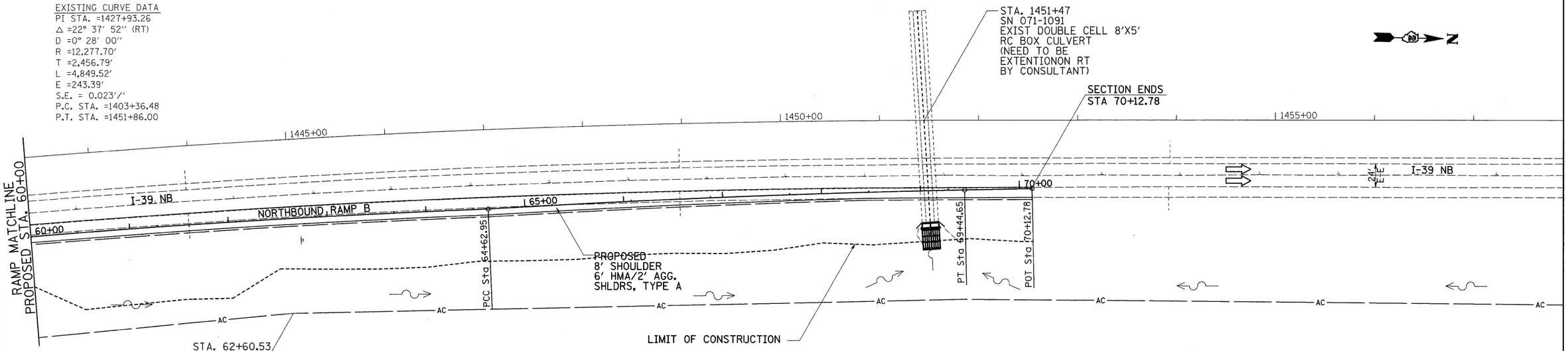
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE FOR THE NORTHBOUND ENTRANCE RAMP TO I-39 FROM I-88

SCALE: 1″=50′-0″ | SHEET NO. 21 OF 82 SHEETS | STA. 45+00 TO STA. 60+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	21
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

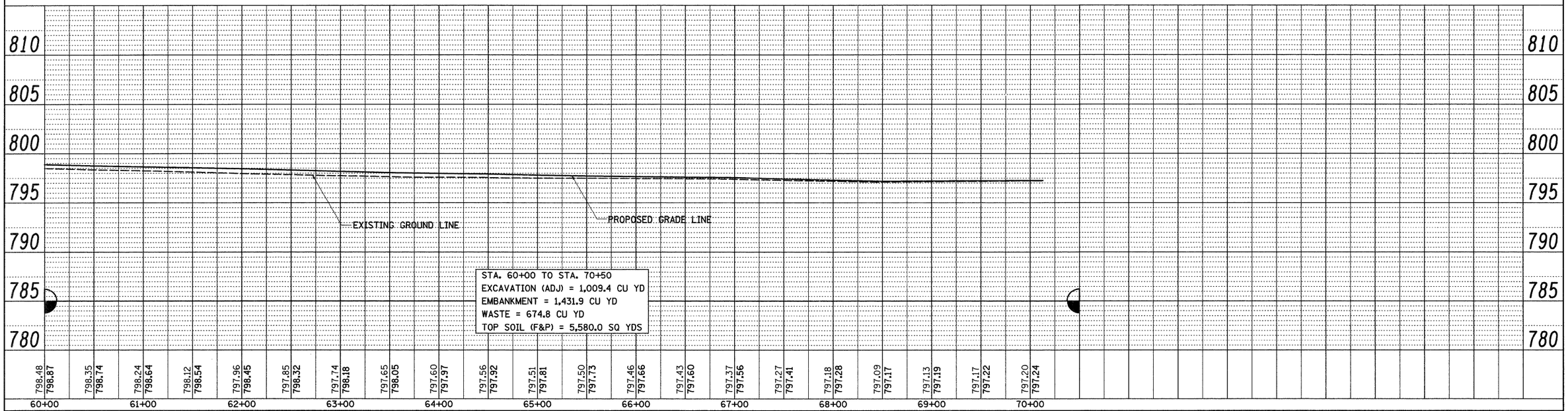
INTERSTATE ROUTE 39
EXISTING CURVE DATA
PI STA. =1427+93.26
Δ =22° 37′ 52″ (RT)
D =0° 28′ 00″
R =12,277.70′
T =2,456.79′
L =4,849.52′
E =243.39′
S.E. = 0.023′/′
P.C. STA. =1403+36.48
P.T. STA. =1451+86.00



N.E. ENTRANCE RAMP
PROPOSED CURVE DATA
PI STA. =59+63.84
Δ =4° 41′ 31″ (RT)
D =0° 28′ 11″
R =12,196.76′
T =499.67′
L =998.78′
E =10.23′
S.E. = 0.025′/′
T.R. = N/A
S.E. RUN = N/A
P.C. STA. =54+64.18
P.T. STA. =64+62.95

N.E. ENTRANCE RAMP
PROPOSED CURVE DATA
PI STA. =67+03.83
Δ =2° 15′ 44″ (RT)
D =0° 28′ 11″
R =12,199.26′
T =240.88′
L =481.69′
E =2.38′
S.E. = 0.025′/′
T.R. = N/A
S.E. RUN = N/A
P.C. STA. =64+62.95
P.T. STA. =69+44.65

0 50′ 100′



STA. 60+00 TO STA. 70+50
EXCAVATION (ADJ) = 1,009.4 CU YD
EMBANKMENT = 1,431.9 CU YD
WASTE = 674.8 CU YD
TOP SOIL (F&P) = 5,580.0 SQ YDS

PLAN: SURVEYED, DRAWN, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., DGN FILE NAME, DATE, BY
PROFILE: SURVEYED, DRAWN, GRADES CHECKED, B.M. NOTED, STRUCTURE NO'S/ATA'S CK'D, NOTE BOOK, NO., DATE, BY

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D2200309-plan shts.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 10:02:04 2009	DATE -	REVISED -

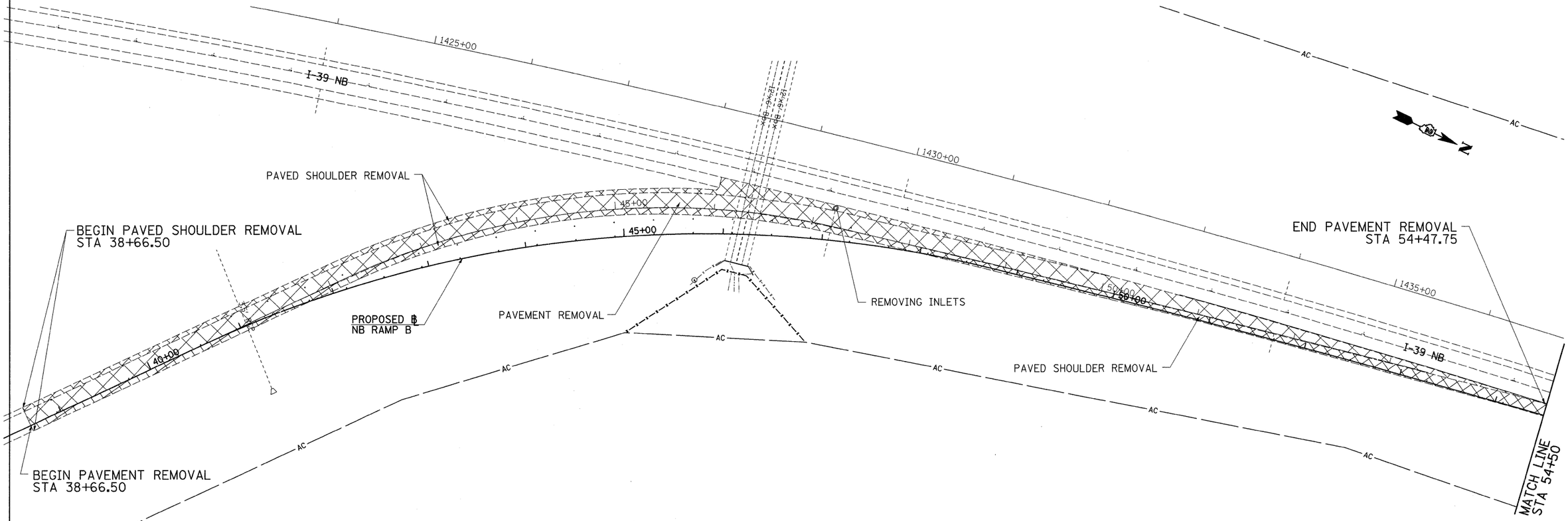
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE FOR THE NORTHBOUND ENTRANCE RAMP TO I-39 FROM I-88

SCALE: 1″=50′-0″ | SHEET NO. 22 OF 82 SHEETS | STA. 60+00 TO STA. 72+12.78

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	22
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL SHEET



1"= 50' 0 50' 100'

FILE NAME = c:\pw_work\pwidot\stringerjm\dms84027\D200309-sht-removal.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 13:49:59 2009	DATE -	REVISED -

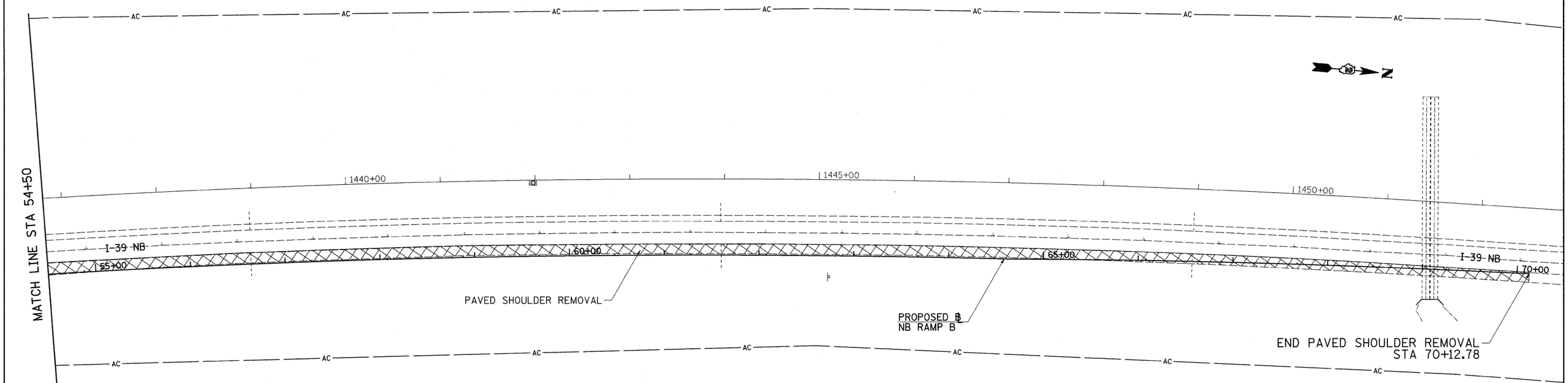
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL SHEET
I-39 NB RAMP B

SCALE: | SHEET NO. 23 OF 82 SHEETS | STA. 38+66.50 | TO STA. 70+12.78

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	23
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL SHEET



1"= 50' 0 50' 100'

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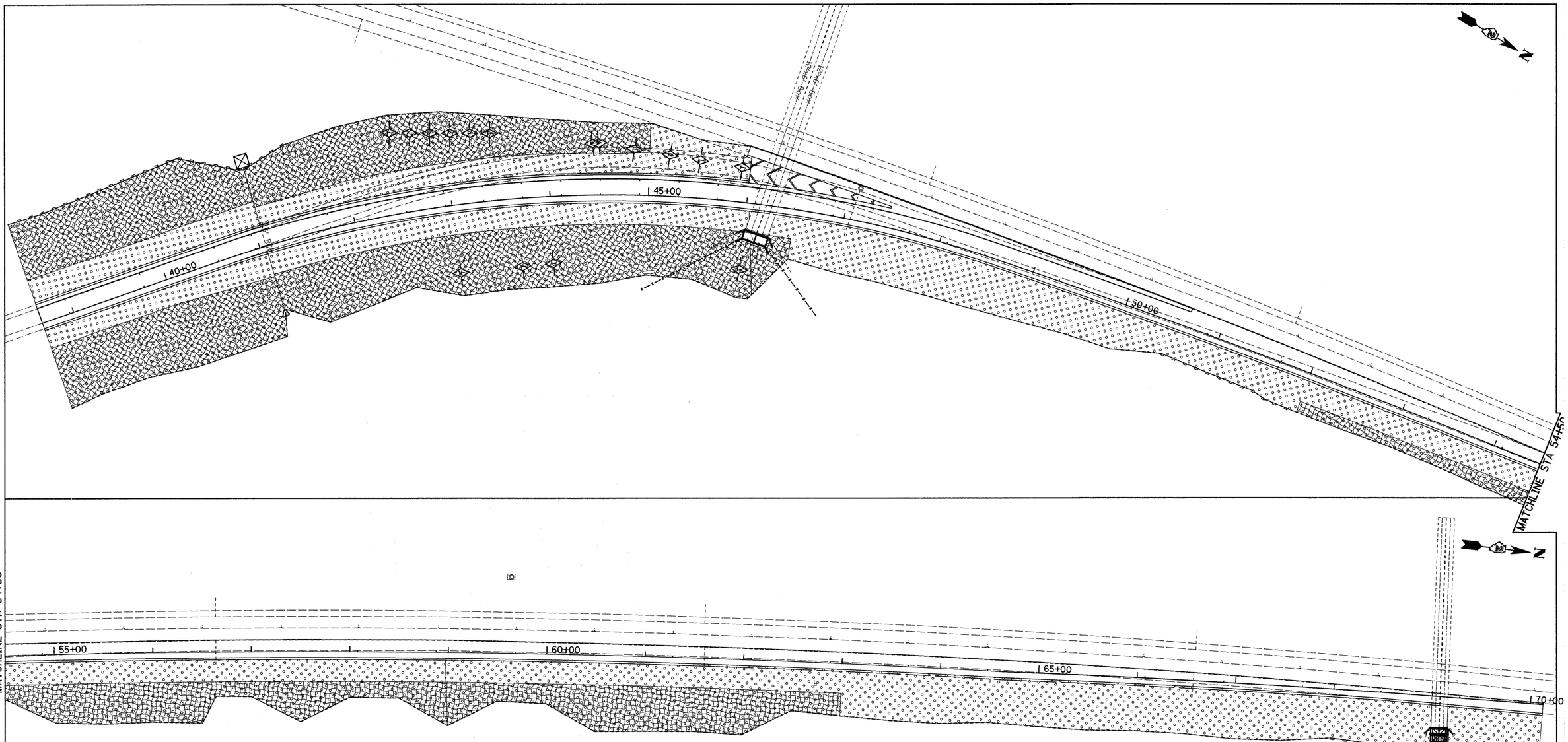
	PLOT DATE = Fri Jan 23 11:04:23 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL SHEET
I-39 NB RAMP B

SCALE: | SHEET NO. 24 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	24
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			



TEMPORARY DITCH CHECK LOCATIONS

US 20	
STA.	*OFFSET
19′ INTERVALS - LT	
42+50 TO 43+50	
94′ INTERVALS - LT	
43+50 TO 44+50	
35′ INTERVALS - LT	
44+50 TO 45+50	
100′ INTERVALS - LT	
45+50 TO 46+00	
63′ INTERVALS - RT	
43+00 TO 44+00	
100′ INTERVALS - RT	
44+00 TO 46+00	

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH (SEE CROSS SECTIONS)

LEGEND

- INLET PROTECTION STD 280001
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- CLASS 2A SEEDING

0 50′ 100′

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-sht-eros.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 10:53:41 2009	DATE -	REVISED -

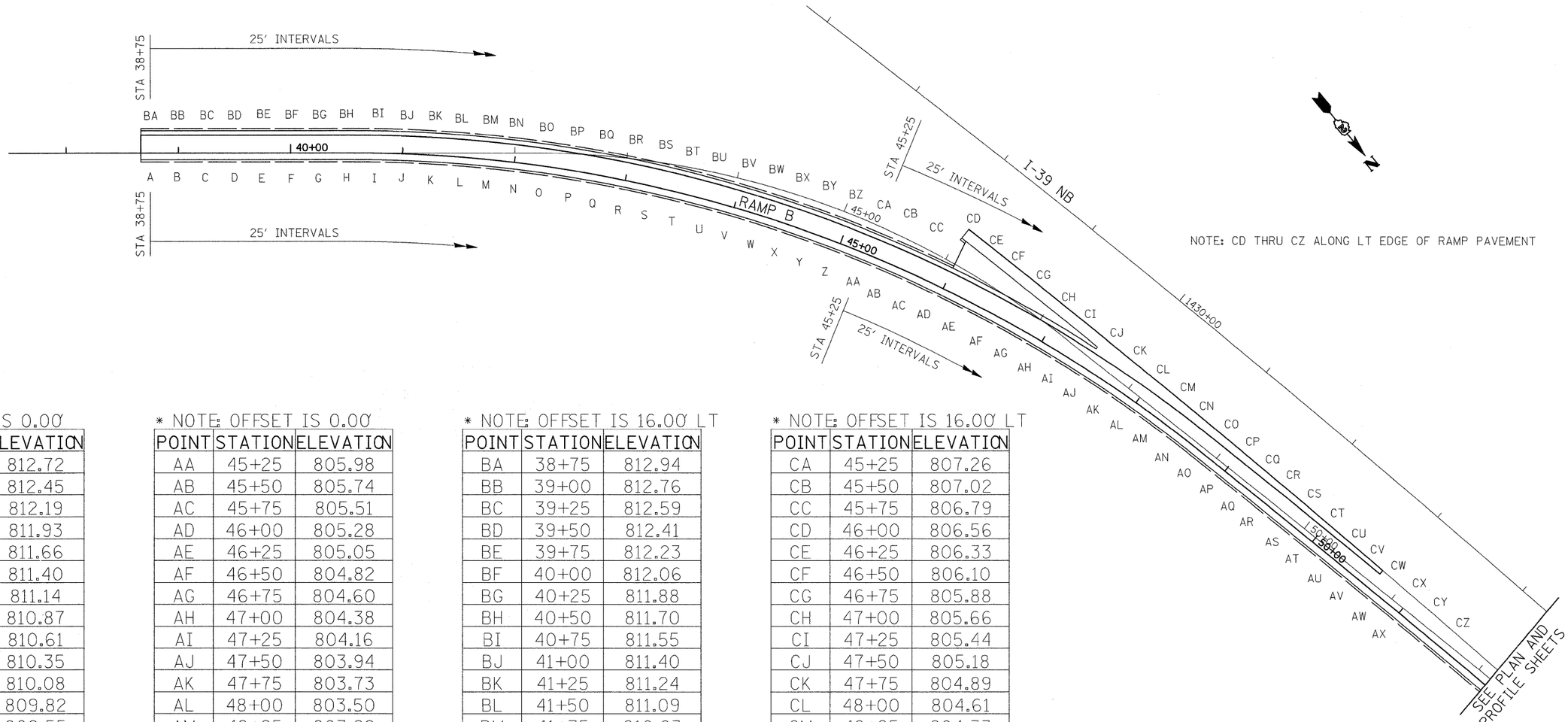
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39
EROSION CONTROL AND SEEDING DETAILS

SCALE: | SHEET NO. 25 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	25
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ELEVATION SHEETS



NOTE: CD THRU CZ ALONG LT EDGE OF RAMP PAVEMENT

* NOTE: OFFSET IS 0.00'

POINT	STATION	ELEVATION
A	38+75	812.72
B	39+00	812.45
C	39+25	812.19
D	39+50	811.93
E	39+75	811.66
F	40+00	811.40
G	40+25	811.14
H	40+50	810.87
I	40+75	810.61
J	41+00	810.35
K	41+25	810.08
L	41+50	809.82
M	41+75	809.55
N	42+00	809.29
O	42+25	809.03
P	42+50	808.76
Q	42+75	808.50
R	43+00	808.24
S	43+25	807.97
T	43+50	807.72
U	43+75	807.46
V	44+00	807.21
W	44+25	806.95
X	44+50	806.71
Y	44+75	806.46
Z	45+00	806.22

* NOTE: OFFSET IS 0.00'

POINT	STATION	ELEVATION
AA	45+25	805.98
AB	45+50	805.74
AC	45+75	805.51
AD	46+00	805.28
AE	46+25	805.05
AF	46+50	804.82
AG	46+75	804.60
AH	47+00	804.38
AI	47+25	804.16
AJ	47+50	803.94
AK	47+75	803.73
AL	48+00	803.50
AM	48+25	803.29
AN	48+50	803.07
AO	48+75	802.87
AP	49+00	802.69
AQ	49+25	802.52
AR	49+50	802.34
AS	49+75	802.17
AT	50+00	801.99
AU	50+25	801.82
AV	50+50	801.65
AW	50+75	801.48
AX	51+00	801.33

* NOTE: OFFSET IS 16.00' LT

POINT	STATION	ELEVATION
BA	38+75	812.94
BB	39+00	812.76
BC	39+25	812.59
BD	39+50	812.41
BE	39+75	812.23
BF	40+00	812.06
BG	40+25	811.88
BH	40+50	811.70
BI	40+75	811.55
BJ	41+00	811.40
BK	41+25	811.24
BL	41+50	811.09
BM	41+75	810.83
BN	42+00	810.57
BO	42+25	810.31
BP	42+50	810.04
BQ	42+75	809.78
BR	43+00	809.52
BS	43+25	809.25
BT	43+50	809.00
BU	43+75	808.74
BV	44+00	808.49
BW	44+25	808.23
BX	44+50	807.99
BY	44+75	807.74
BZ	45+00	807.5

* NOTE: OFFSET IS 16.00' LT

POINT	STATION	ELEVATION
CA	45+25	807.26
CB	45+50	807.02
CC	45+75	806.79
CD	46+00	806.56
CE	46+25	806.33
CF	46+50	806.10
CG	46+75	805.88
CH	47+00	805.66
CI	47+25	805.44
CJ	47+50	805.18
CK	47+75	804.89
CL	48+00	804.61
CM	48+25	804.33
CN	48+50	804.04
CO	48+75	803.78
CP	49+00	803.55
CQ	49+25	803.33
CR	49+50	803.10
CS	49+75	802.88
CT	50+00	802.64
CU	50+25	802.42
CV	50+50	802.20
CW	50+75	801.99
CX	51+00	801.89
CY	51+25	801.69
CZ	51+50	801.49

1"= 50' 0 50' 100'

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\0200309-sht-elev.dgn	USER NAME = stringerjm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 10:49:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION SHEET

SCALE: | SHEET NO. 26 OF 82 SHEETS | STA. | TO STA.

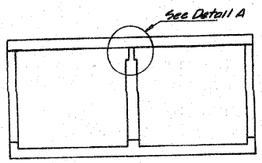
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	26
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BM. #10 Iron Pin 260' Lt.
Sta. 1427+50 Elev. 791.964

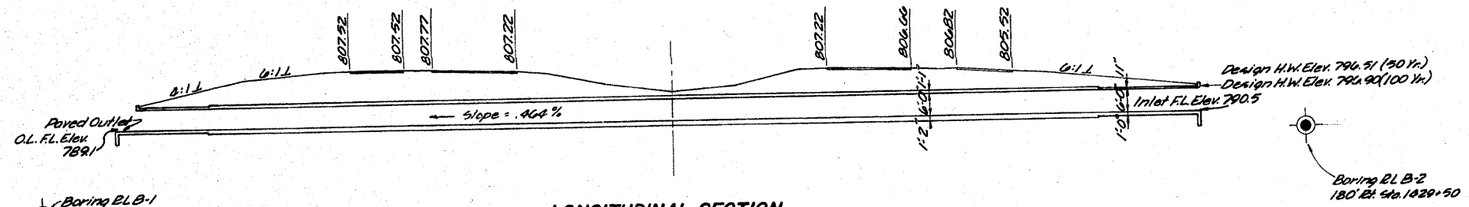
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO	SEC	COUNTY	SHEETS	NO.
FA. 412	141-1A	OGLE	628	224
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

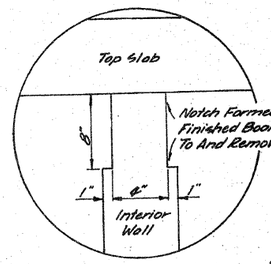
SHEET NO. 1
2 SHEETS



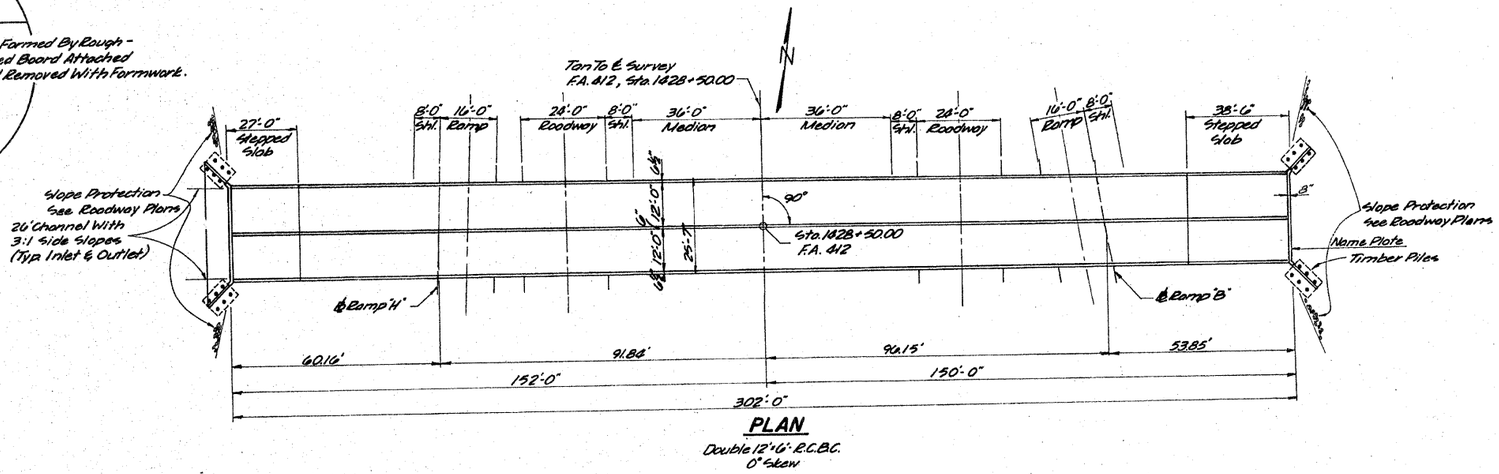
SECTION THRU BARREL NEAR DOWNSTREAM END



LONGITUDINAL SECTION



PHOEBE NESTING SITE



PLAN
Double 12'-6" R.C.B.C.
0° Skew

GENERAL NOTES

CLASS X CONCRETE SHALL BE USED THROUGHOUT.

AT LEAST SIX FEET OF BARREL SHALL BE POURED MONOLITHICALLY WITH WINGWALLS.

EXPOSED EDGES SHALL BE BEVELED 3/4".

FOR BACKFILLING @ EMBANKMENTS SEE STANDARD SPECIFICATIONS.

TILT HOOK OF α BARS, IF NECESSARY, TO OBTAIN 1 1/2" MINIMUM CLEARANCE AT TOP OF HOOK.

ALL BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SPECIFIED.

SEE THE SPECIAL PROVISIONS FOR BORING LOGS.

STATION 1428+50
BUILT 197 BY
STATE OF ILLINOIS
F.A. RTE. 412 - SEC. 141-1
PROJECT FF-FFG-412-5(9)
LOADING HS 20

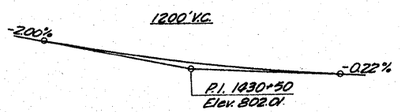
NAME PLATE
See Std. 2113

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Class 'X' Concrete	Cu Yds.	768.8
Reinforcement Bars	Lbs.	152,280
Name Plate	Each	1
Treated Timber Piles	Lin. Ft.	288
Riprap	Sq. Ft.	*

* See Roadway Plans

MAINLINE CURVE DATA
D = 22° 37' 48" Rt.
D = 0° 28' 00"
R = 12,277.70'
T = 2,456.66'
L = 4889.28'
E = 283.37'
Se = 0.023%



PROFILE FA 412

WATERWAY INFORMATION

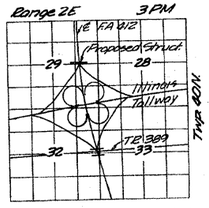
Drainage Area	2050 Acres
Q50 =	910 C.F.S.
Q100 =	1165 C.F.S.
Required Opening	140 Sq. Ft.
Proposed Opening	144 Sq. Ft.
Created Head (50 Year)	0.38'
Created Head (100 Year)	1.0'

DESIGN STRESSES
f_s = 20,000 psi
f_c = 1800 psi Barrel
f_c = 1000 psi Wings
V_c = 90 psi Barrel
V_c = 75 psi Footing
n = 10 psi
Allow For 25 #/sq. Ft. For Future W.S.

LOADING HS20-44
Design Specs. AASHTO 1973
As Applicable

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Earl E. Thuman Jr.
Engineer of Bridge & Traffic Structures

STATE OF ILLINOIS
HOMER M. WALKER
81.3545
REGISTERED STRUCTURAL ENGINEER



LOCATION SKETCH

DESIGNED	WAI
CHECKED	HMW
DRAWN	WAI
CHECKED	HMW

FOR INFORMATION ONLY

GENERAL PLAN & ELEVATION
PROJECT FA 412
FA RTE. 412 OVER DBL. 12'x6' CULVERT
FA RTE. 412 - SEC. 141-1
OGLE COUNTY
STATION 1428+50.00

SHEET 27 OF 82

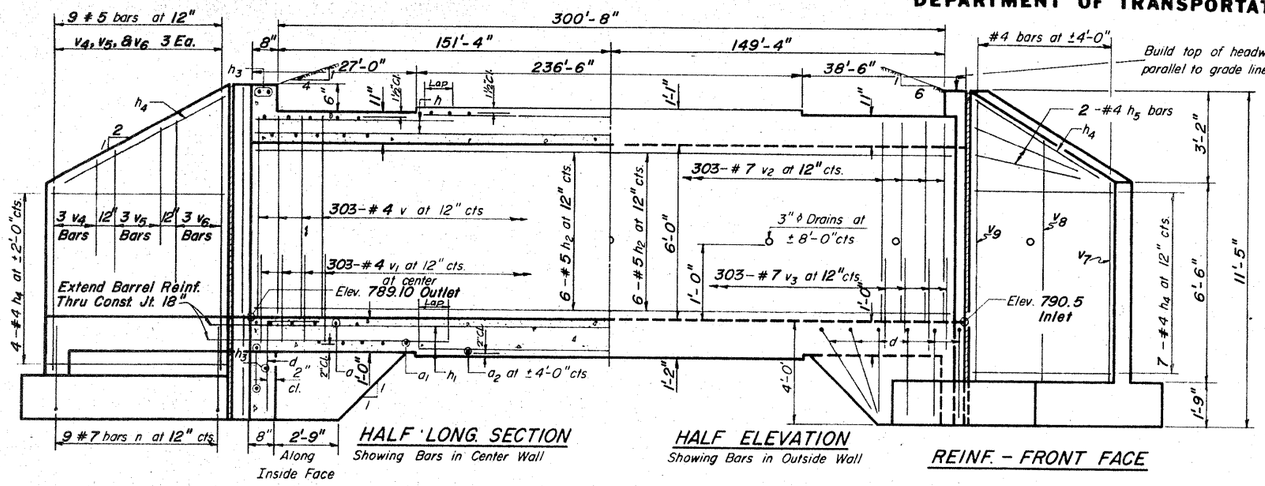
Plans Prepared By American Engineering Company

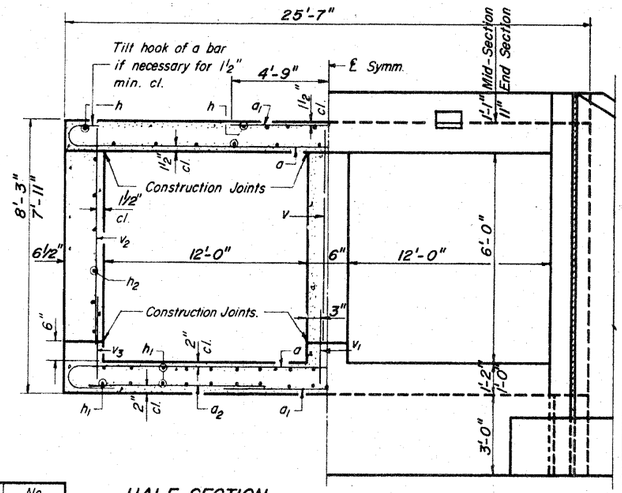
Rev. 12-15-78

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 412	141-1A	OGLE	628	225
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

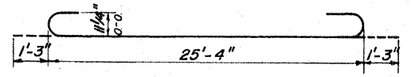
SHEET NO. 2
2 SHEETS

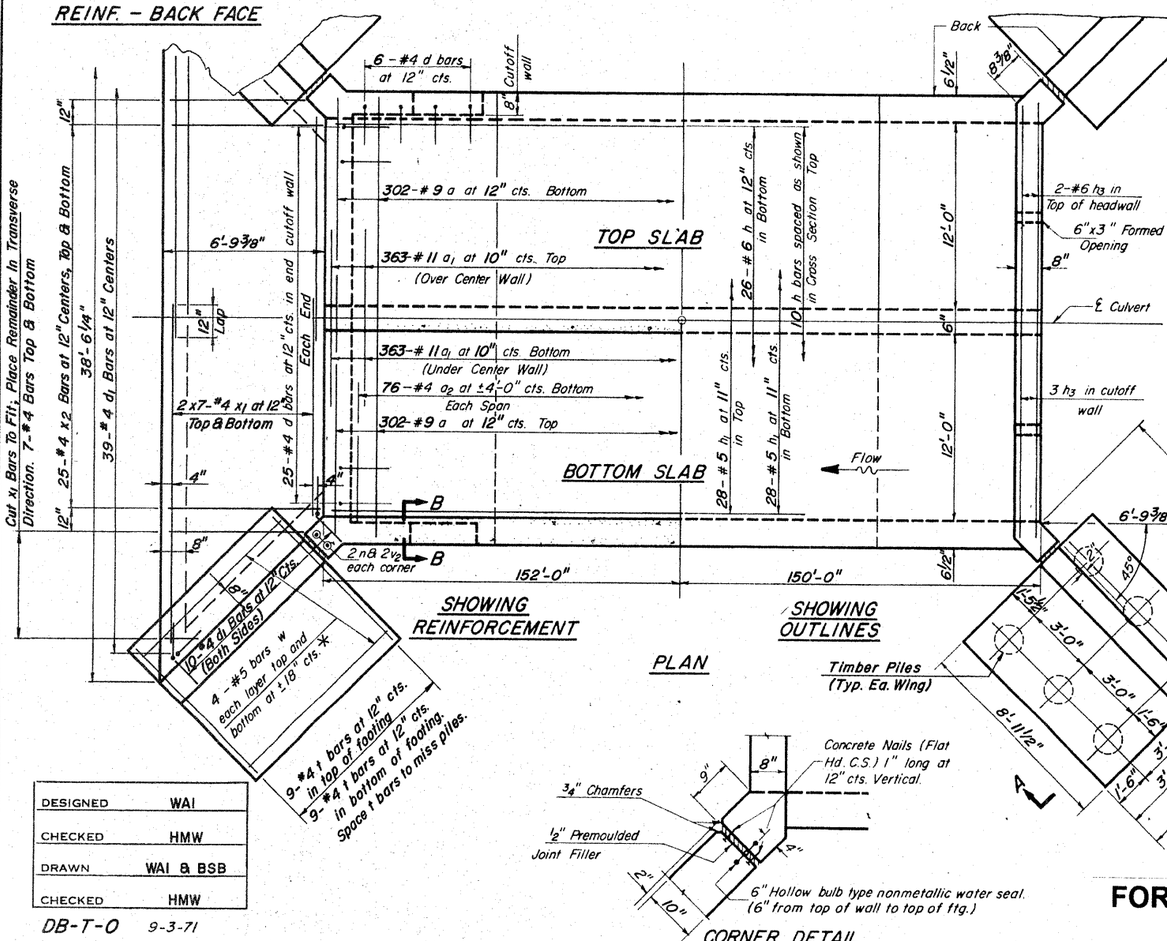


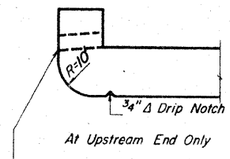


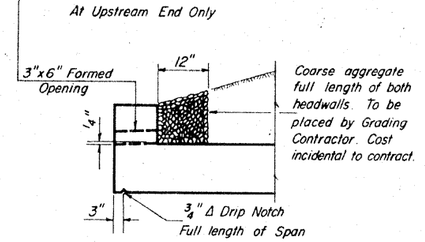
Bar	Location	No.
h	Top of top slab	10
h	Bottom of top slab	26
h_1	Top of bottom slab	28
h_1	Bottom of bottom slab	28
h_2	Each outside wall	6
h_2	Center wall	6

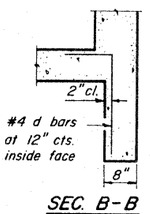
9 Lengths each required

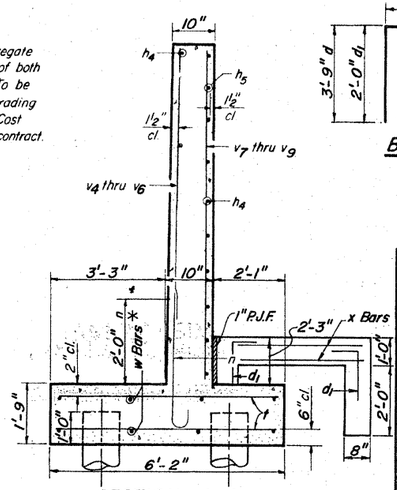


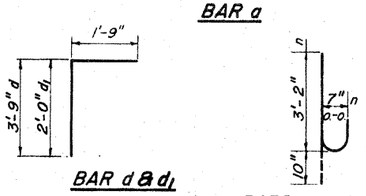












PILE DATA

Treated timber piles	24
Estimated length	12'
Capacity	12 ton

DESIGN STRESSES

fs = 20,000 p.s.i.
fc = 1400 p.s.i. Barrel
fc = 1000 p.s.i. Wings
vc = 90 p.s.i. Barrel
vc = 75 p.s.i. Footing
n = 10

BILL OF MATERIAL

Bar	No.	Size	Length	Bar	No.	Size	Length
a	604	#9	27'-10"	1	72	#4	5'-11"
a_1	726	#11	9'-6"				
a_2	152	#4	9'-3"	v	302	#4	6'-3"
				v_1	302	#4	2'-3"
d	74	#4	5'-6"	v_2	612	#7	6'-3"
d_1	59	#4	3'-9"	v_3	604	#7	3'-0"
h	324	#6	35'-0"	v_4	12	#5	6'-9"
h_1	504	#5	35'-0"	v_5	12	#5	7'-9"
h_2	102	#5	34'-9"	v_6	12	#5	8'-9"
h_3	10	#6	26'-0"	v_7	4	#4	6'-3"
h_4	52	#4	8'-6"	v_8	4	#4	8'-0"
h_5	8	#4	7'-0"	v_9	4	#4	9'-3"
				x_1	28	#4	19'-6"
n	44	#7	4'-0"	x_2	50	#4	6'-6"
				w	32	#5	8'-9"
Class X Concrete						Cu.Yds.	768.4
Reinforcement Bars						L.bs.	152,280
Treated Timber Piles						Lin.Ft.	288
Name Plate						Ea.	1

DESIGNED	WAI
CHECKED	HMW
DRAWN	WAI & BSB
CHECKED	HMW

DB-T-0 9-3-71

FOR INFORMATION ONLY

LOADING HS 20-44

DBL. 12' X 6' R.C. BOX CULVERT
F. A. RTE. 412 SECTION 141-1
OGLE COUNTY
STATION

SHEET 28 OF 82

BM #12 40d Spike In 8" Tree 260'
Right Sta. 1451+60, Elev. 789.37

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.	412	141-1A	OGLE	625	2 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT			

GENERAL NOTES

CLASS X CONCRETE SHALL BE USED THROUGHOUT.

AT LEAST SIX FEET OF BARREL SHALL BE POURED MONOLITHICALLY WITH WINGWALLS.

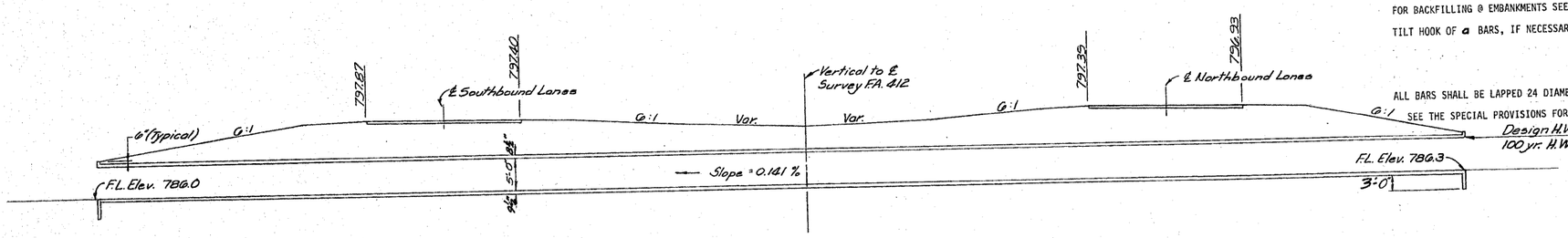
EXPOSED EDGES SHALL BE BEVELED 3/4".

FOR BACKFILLING @ EMBANKMENTS SEE STANDARD SPECIFICATIONS.

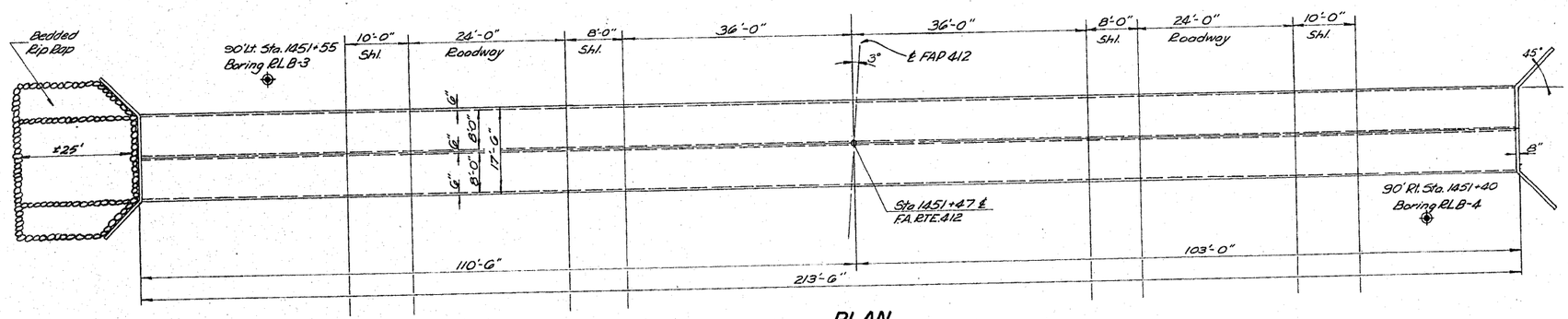
TILT HOOK OF a BARS, IF NECESSARY, TO OBTAIN 1 1/2" MINIMUM CLEARANCE AT TOP OF HOOK.

ALL BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SPECIFIED.

SEE THE SPECIAL PROVISIONS FOR BORING LOGS.

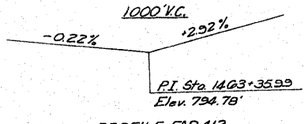


LONGITUDINAL SECTION



PLAN

Double 8'5' R.C. Box Culvert
3° Skew Right Forward



PROFILE FAP 412

CURVE DATA

Δ = 22°37'48" Rt.
D = 0° 28' 00"
R = 12,277.70'
T = 2456.66'
L = 4849.28'
Se = 0.023 %
Se & Crown Reduced To Zero
Sta. 1451+08.19 To Sta. 1453+48.18

WATERWAY INFORMATION

Drainage Area	573 Acres
Design Q 50	555 C.F.S.
Design Q 100	723 C.F.S.
Required Opening	71 Sq. Ft.
Proposed Opening	80 Sq. Ft.
Design Created Head	1.0 Ft.
100 Year Created Head	1.87 Ft.

DESIGN STRESSES

f_s = 20,000 psi
f_c = 1400 psi Barrel
f_c = 1200 psi Wings
V_c = 30 psi Barrel
n = 10 psi

Allow 25 psf For Future W.S.

LOADING HS-20-44

Design Specifications AASHTO 1973
As Applicable

APPROVED
AGENCY OFFICIAL
Carl E. Thurman Jr.
Bureau of Design & Traffic Operations

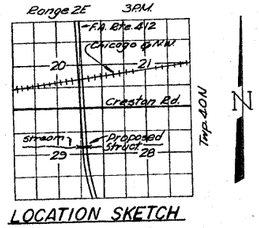
BILL OF MATERIAL		
ITEM	UNIT	TOTAL
Class 'X' Concrete	Cu. Yds.	275.0
Reinforcement Bars	Lbs.	49,370
Riprap	Sq. Yds.	*

* See Roadway Plans.

FOR INFORMATION ONLY

DESIGNED	W.A.I.
CHECKED	H.M.W.
DRAWN	W.A.I.
CHECKED	H.M.W.

STATE OF ILLINOIS
ROGER M. WALKER
81-3549
REGISTERED STRUCTURAL ENGINEER
FRANKFORT, ILL.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
PROJECT FA 412
FA 412 OVER DOUBLE 8x5 CULVERT

OGLE COUNTY
STATION 1451+47.00

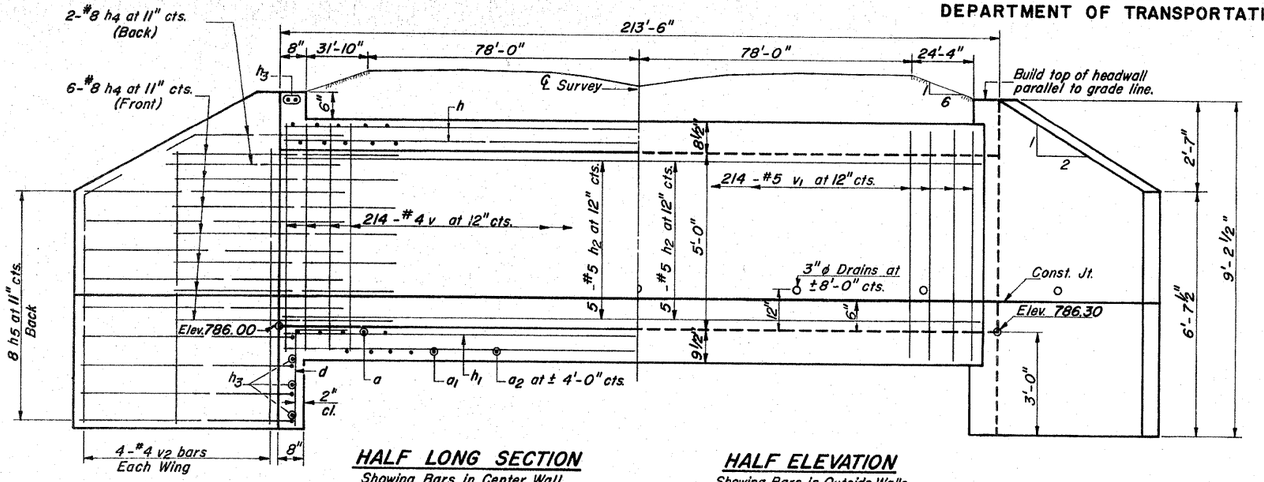
Plans Prepared By American Engineering Company

SHEET 29 OF 82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 412	141-1A	OGLE	628	227
FED. ROAD DIST NO. 7	ILLINOIS	FED. AID PROJECT.		

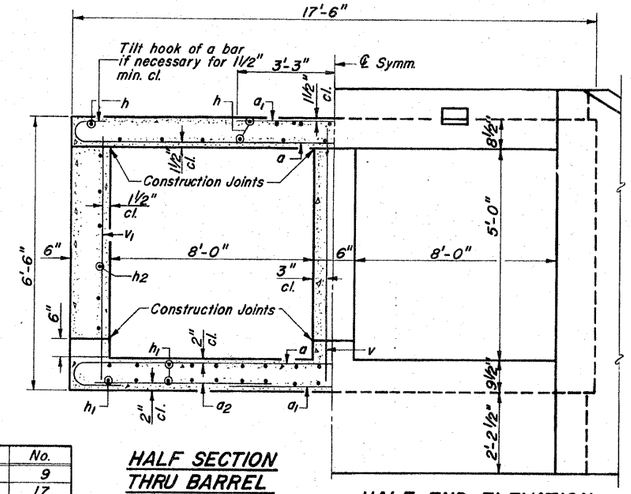
SHEET NO. 2
2 SHEETS



HALF LONG SECTION
Showing Bars in Center Wall

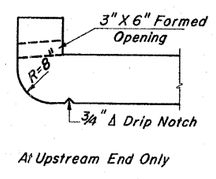
HALF ELEVATION
Showing Bars in Outside Walls

REINF. - BACK FACE

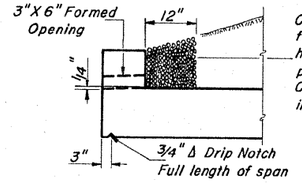


HALF SECTION THRU BARREL

HALF END ELEVATION



At Upstream End Only



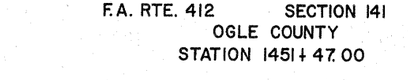
Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost incidental to contract.

At Downstream End

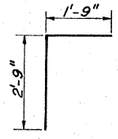
DRAIN DETAIL

Bar	Location	No.
h	Top of top slab	9
h	Bottom of top slab	17
h1	Top of bottom slab	14
h1	Bottom of bottom slab	14
h2	Each outside wall	5
h2	Center wall	5

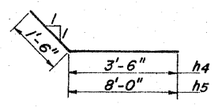
7 Lengths each required



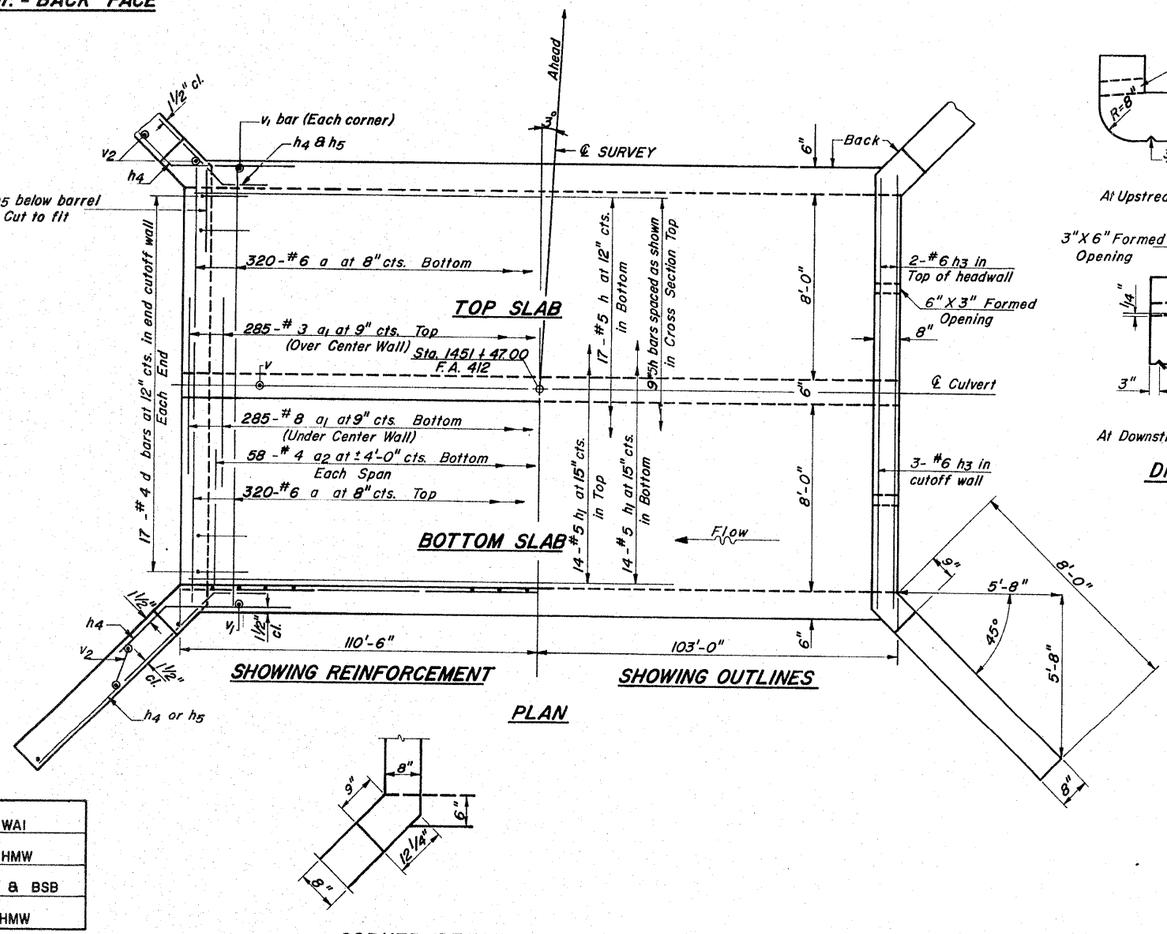
BAR a



BAR d



BARS h4 & h5



SHOWING REINFORCEMENT **SHOWING OUTLINES**

PLAN

CORNER DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Bar	No.	Size	Length
a	640	#6	18'-6"	v	214	#4	6'-2"
a1	570	#8	6'-6"	v1	432	#5	6'-2"
a2	116	#4	6'-3"	v2	16	#4	8'-0"
d	34	#4	4'-6"				
h	182	#5	31'-6"				
h1	196	#5	31'-6"				
h2	105	#5	31'-6"				
h3	10	#6	17'-0"				
h4	32	#8	5'-0"				
h5	32	#8	9'-6"				
Class X Concrete					Cu. Yds.		275.4
Reinforcement Bars					Lbs.		49,370

DESIGNED:	WAI
CHECKED:	HMW
DRAWN:	WAI & BSB
CHECKED:	HMW

FOR INFORMATION ONLY

DESIGN STRESSES

fs = 20,000 p.s.i.
fc = 1400 p.s.i. Barrel
fc = 1200 p.s.i. Wings
v = 90 p.s.i. Barrel
n = 10

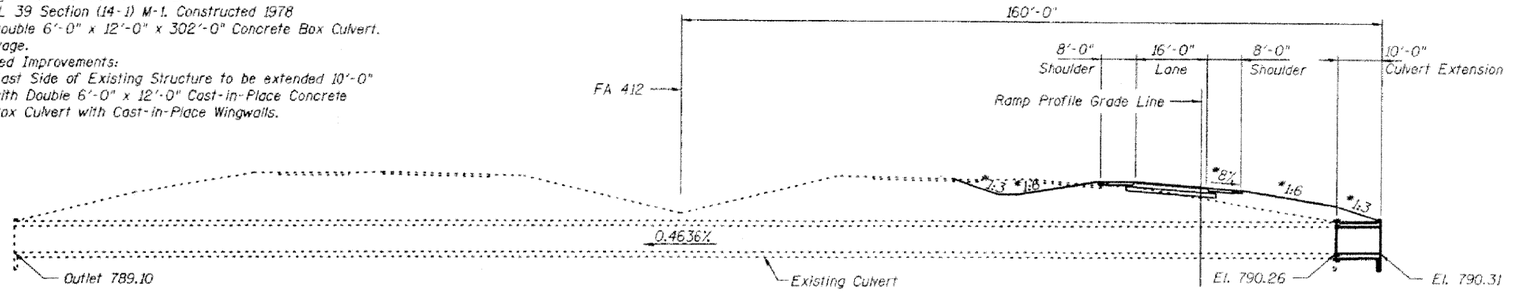
LOADING HS-20-44

DBL. 8' X 5' R. C. BOX CULVERT
F.A. RTE. 412 SECTION 141
OGLE COUNTY
STATION 1451 + 47.00

Benchmark: D2129 Sign
Sta. 62+73.66, 22.1141' Rt. Elev. 794.5490

Existing Structure: No. 071-2015
IL 39 Section (14-1) M-1, Constructed 1978
Double 6'-0" x 12'-0" x 302'-0" Concrete Box Culvert.
No Salvage.
Proposed Improvements:
East Side of Existing Structure to be extended 10'-0" with Double 6'-0" x 12'-0" Cast-in-Place Concrete Box Culvert with Cast-in-Place Wingwalls.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



LONGITUDINAL SECTION

*Measured ⊥ to Roadway

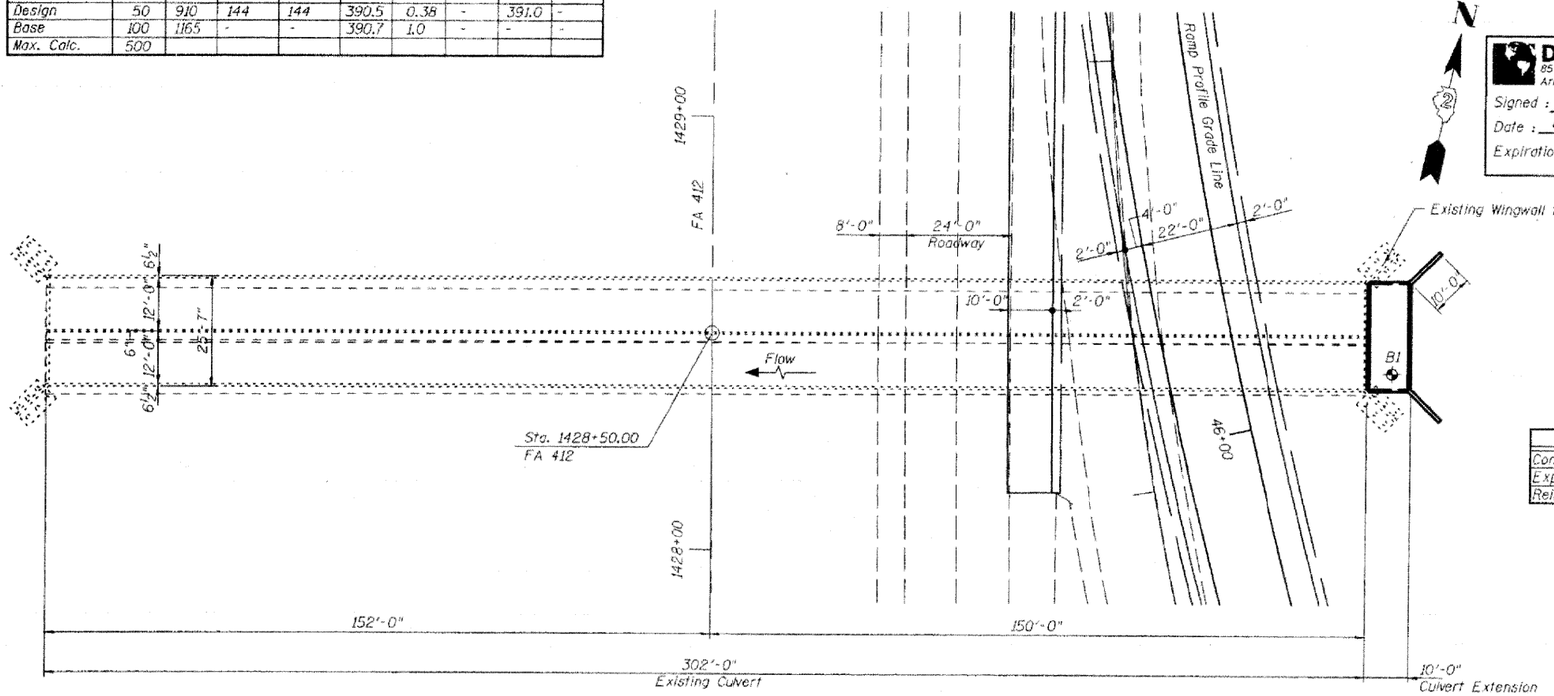
WATERWAY INFORMATION

Drainage Area = 2050 Acres — Exist. Low Grade Elev. @ Sta. — Prop. Low Grade Elev. @ Sta.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10								
Design	50	910	144	144	390.5	0.38	-	391.0	-
Base	100	1165	-	-	390.7	1.0	-	-	-
Max. Calc.	500								

DESIGN SCOUR ELEVATION TABLE

Design Scour	Cut Off Wall
Elevation (ft.)	786.31



PLAN

N

DLZ ILLINOIS, INC.
85 W. Algonquin Rd. Ste. 220
Arlington Heights, IL 60005
Signed : [signature]
Date : 2-23-2009
Expiration Date : 11/30/10

DESIGN SPECIFICATIONS

AASHTO 2002 Specifications.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

f'_c = 3,500 PSI
f_y = 60,000 PSI (Reinforcement)

GENERAL NOTES

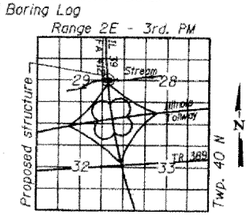
1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Cast-in-Place barrel shall be poured monolithically with wingwalls.
3. Exposed edges shall have a $\frac{3}{4}$" chamfer.
4. In accordance with Article 540.04 of the standard specifications. It shall be the responsibility of the contractor to divert stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the engineer and the cost shall be included with "Concrete Box Culverts". Clean fill (granular) material will only be allowed.
5. Plan Dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

INDEX OF DRAWINGS

Sheet No.	Sheet Title
1.	General Plan & Elevation
2.	Culvert Extension Plan and Elevation
3.	Extension Connection Detail
4.	Soil Boring Log

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	29.5
Expansion Bolts $\frac{3}{4}$ Inch	Each	48
Reinforcement Bars	Pound	6,890



LOCATION SKETCH

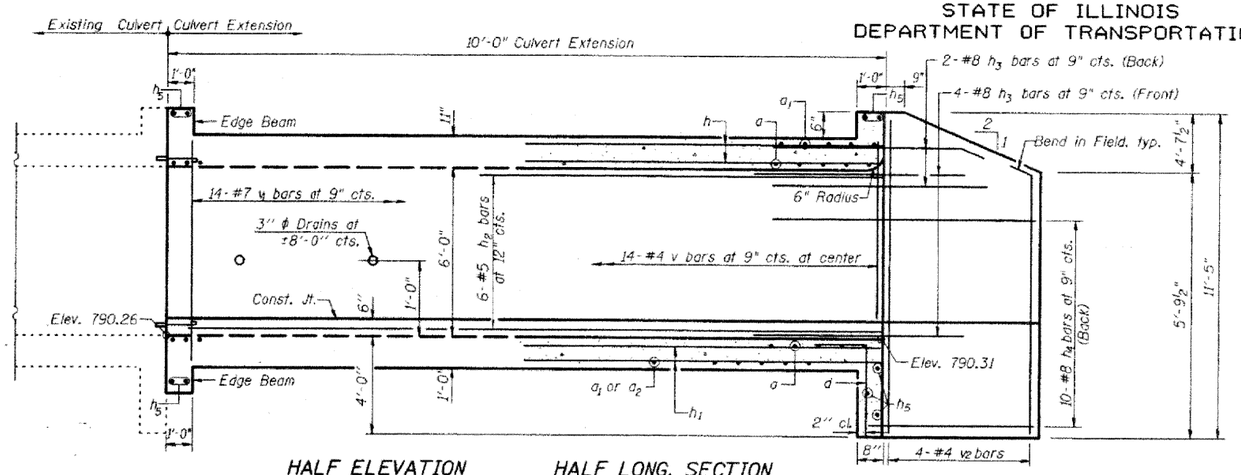
GENERAL PLAN & ELEVATION
FA RTE. 412 OVER DOUBLE 12'X6' CULVERT
FA RTE. 412 - SEC. (141-1)M-1
OGLE COUNTY
STATION 1428+50.00
STRUCTURE NO. 071-2015

DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

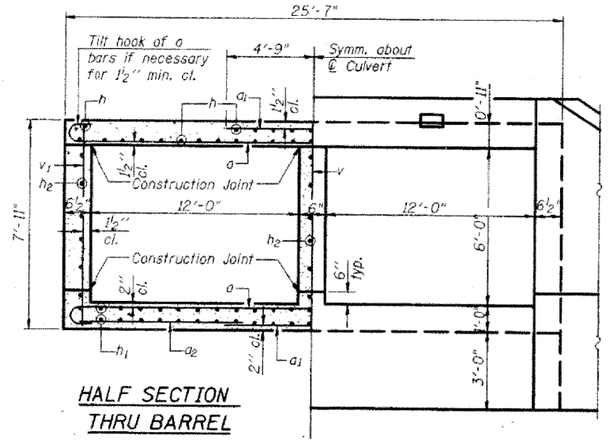
SHEET NO. 1 SHEETS 4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	412	(141-1) M-1	OGLE	82	31
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HALF ELEVATION
Showing bars in Outside Wall

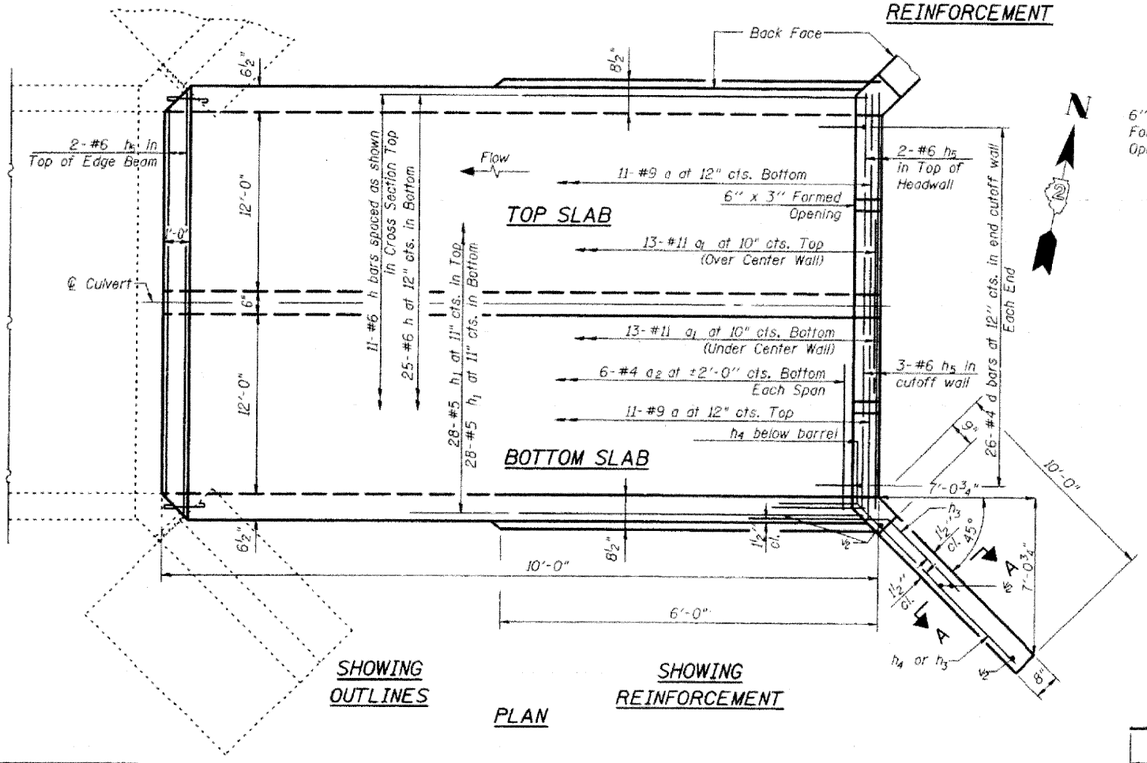
HALF LONG. SECTION
Showing bars in Center Wall



HALF SECTION THRU BARREL

HALF END ELEVATION

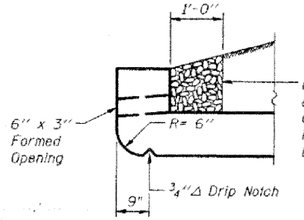
WINGWALL REINFORCEMENT



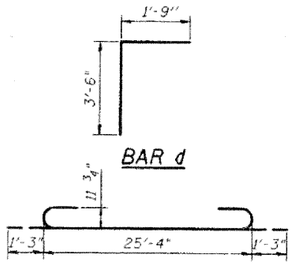
SHOWING OUTLINES

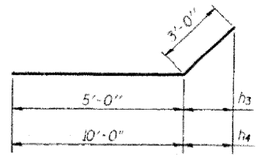
SHOWING REINFORCEMENT

PLAN

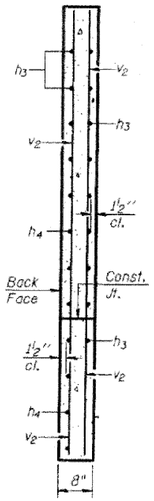


AT UPSTREAM END DRAIN DETAIL





BARS h_3 & h_4



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	22	#9	27'-10"	
a_1	26	#11	9'-6"	
a_2	12	#4	9'-3"	
d	26	#4	5'-3"	
h	36	#6	9'-6"	
h_1	56	#5	9'-6"	
h_2	18	#5	9'-6"	
h_3	22	#8	8'-0"	
h_4	20	#8	13'-0"	
h_5	9	#6	26'-0"	
v	14	#4	7'-6"	
v_1	28	#7	7'-6"	
v_2	10	#4	10'-0"	
Concrete Box Culverts			Cu. Yd.	29.5
Reinforcement Bars			Pound	6,890

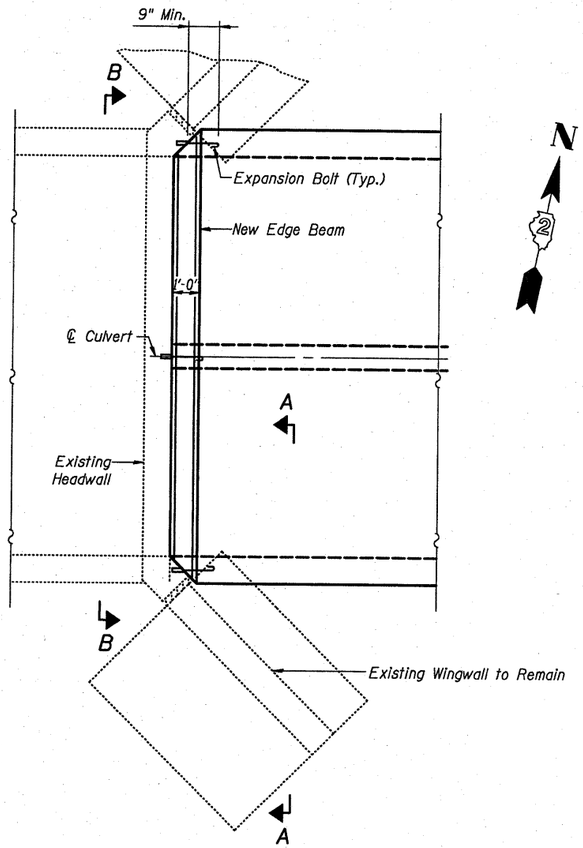
CULVERT EXTENSION
PLAN AND ELEVATION
STRUCTURE NO. 071-2015

DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

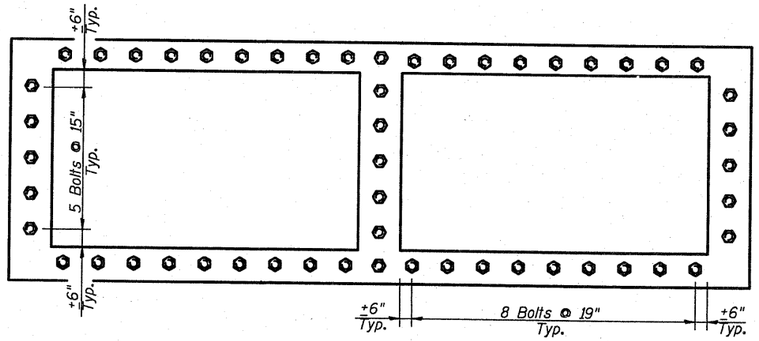
DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

SHEET NO. 2	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	32
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

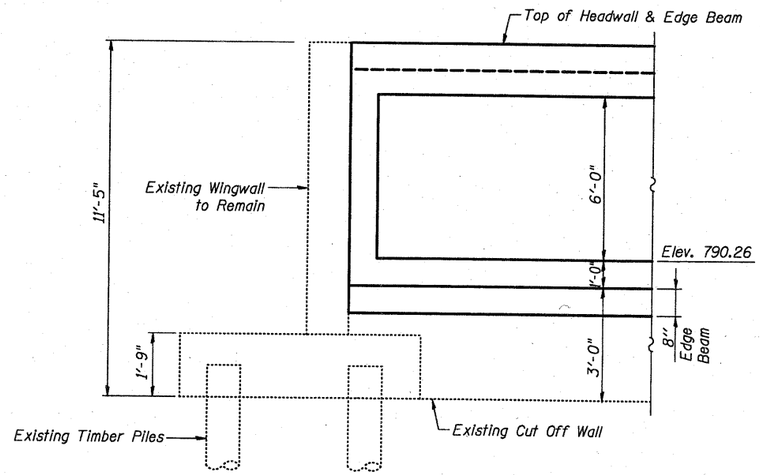


PARTIAL PLAN



SECTION B-B

NOTE: Expansion bolts shall be $\frac{3}{4}$"Ø hooked bolts.
Hooked bolts shall extend a minimum of 9" into new concrete.



SECTION A-A

BILL OF MATERIAL

Item	Unit	Total
Expansion Bolts $\frac{3}{4}$ Inch	Each	48

EXTENSION CONNECTION DETAIL
STRUCTURE NO. 071-2015

DESIGNED	PRD				
CHECKED	WAT				
DRAWN	CJS				
CHECKED	PRD				

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

SHEET NO. 3	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	33
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 11/25/08

ROUTE FAI 39 DESCRIPTION P92-003-09 Double Box Culvert, I-88 WB Ramp to I-39 NB LOGGED BY W. Garza

SECTION (141-1) M-1 LOCATION Dement Twp. - 29 SE, SEC. , TWP. 40N, RNG. 2E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2015
Station 1428+47

BORING NO. B-1
Station 1428+89
Offset 169.00ft Rt
Ground Surface Elev. 792.50 ft

Surface Water Elev. ft
Stream Bed Elev. 787.00 ft

Groundwater Elev.:
First Encounter 785.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				MEDIUM tan SILTY CLAY LOAM
		0.9 P	22.0	
790.50				
	11			DENSE tan moist SANDY GRAVEL
	13			
789.00	18			
-5	12			DENSE tan clean medium coarse SAND with medium GRAVEL
	16			
786.50	15			
▼				
	7			MEDUM light gray fine SAND
	8			
784.00	8			
-10	4			MEDIUM gray clean medium coarse SAND
	4			
	6			
781.00				
	3			Wash
	6	0.3 P	21.0	SOFT gray SILT
779.00	7			
-15	3			STIFF gray SILT
	6	1.9 S	22.0	
	5			
776.00				
	5			MEDIUM gray fine SAND
	6			
	8			
773.50				
-20	3			STIFF gray SILT
	4	1.2 B	25.0	STIFF gray SILT *(continued)*
	5			
771.00				
	0			VERY LOOSE gray fine SAND
769.00	0			
-25	1			LOOSE gray fine SAND
	2			
766.50	4			
	5			MEDIUM gray fine SAND
	11			
764.00	18			
-30	0			LOOSE gray fine SAND
	2			
761.50	6			
	2			Wash
	4			LOOSE gray fine SAND
759.00	5			
-35	1			LOOSE gray fine SAND
	3			
756.50	4			
	1			LOOSE gray fine SAND
	4			
754.00	4			
-40	2			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 11/25/08

ROUTE FAI 39 DESCRIPTION P92-003-09 Double Box Culvert, I-88 WB Ramp to I-39 NB LOGGED BY W. Garza

SECTION (141-1) M-1 LOCATION Dement Twp. - 29 SE, SEC. , TWP. 40N, RNG. 2E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2015
Station 1428+47

BORING NO. B-1
Station 1428+89
Offset 169.00ft Rt
Ground Surface Elev. 792.50 ft

Surface Water Elev. ft
Stream Bed Elev. 787.00 ft

Groundwater Elev.:
First Encounter 785.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	4			MEDIUM dark gray clean medium coarse SAND *(continued)*
751.50	9			
				End of Boring
-45				
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

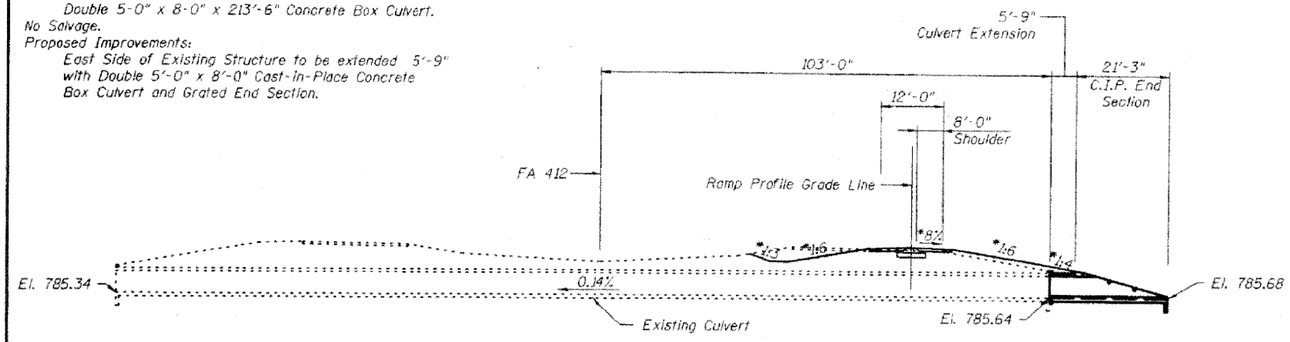
SOIL BORING LOG
STRUCTURE NO. 071-2015

SHEET NO. 4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	34
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

Benchmark: D2129 Sign
Sta. 62+73.66, 22.1141' Rt. Elev. 794.5490

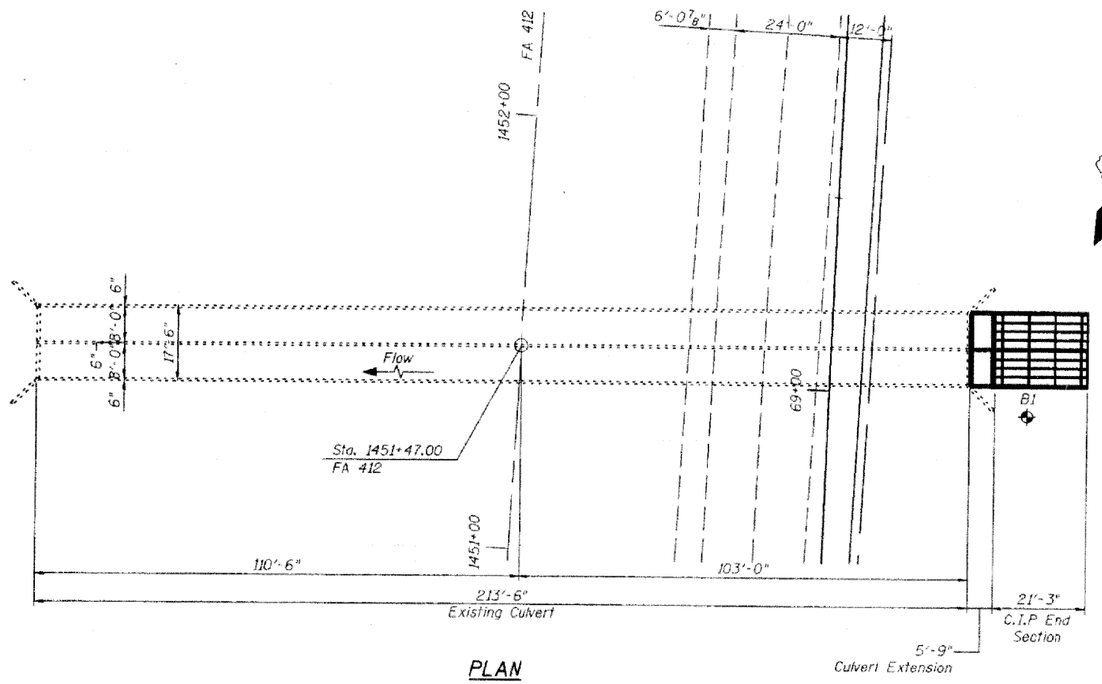
Existing Structure: No. 071-1091
IL 39 Section (14-1) M-1. Constructed 1978
Double 5'-0" x 8'-0" x 213'-6" Concrete Box Culvert.
No Salvage.
Proposed Improvements:
East Side of Existing Structure to be extended 5'-9" with Double 5'-0" x 8'-0" Cast-in-Place Concrete Box Culvert and Grated End Section.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



LONGITUDINAL SECTION

*Measured ⊥ to Roadway



PLAN

DESIGN SPECIFICATIONS

AASHTO 2002 Specifications.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

f'_c = 3,500 PSI
f_y = 60,000 PSI (Reinforcement)

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM 706 Gr. 60. See Special Provisions.
2. Cast-in-Place barrel shall be poured monolithically with Cast in Place (C.I.P.) End Section.
3. Exposed edges shall have a $\frac{3}{4}$" chamfer.
4. In accordance with Article 540.04 of the standard specifications. It shall be the responsibility of the contractor to divert stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the engineer and the cost shall be included with "Concrete Box Culvert".
   Clean fill (granular) material will only be allowed.
5. Plan Dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

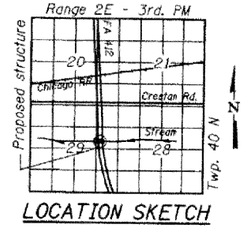
DLZ ILLINOIS, INC.
85 W. Algonquin Rd. Ste. 220
Arlington Heights, IL 60005
Signed : Peter R. Dombrowski
Date : 2-23-2009
Expiration Date : 11/30/10

INDEX OF DRAWINGS

Sheet No.	Sheet Title
1.	General Plan & Elevation
2.	Culvert Extension Plan and Elevation
3.	Grating for Concrete Box Culvert
4.	Soil Boring Log

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culvert	Cu. Yd.	24.0
Reinforcement Bars	Pound	4,430
Expansion Bolts $\frac{3}{4}$ Inch	Each	36



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 573 Acres
Exist. Low Grade Elev. @ Sta.
Prop. Low Grade Elev. @ Sta.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10								
Design	50	555	71	80	-	1.0	-	-	-
Base	100	723	-	-	-	1.87	-	-	-
Max. Calc.	500								

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Cut Off Wall 783.34

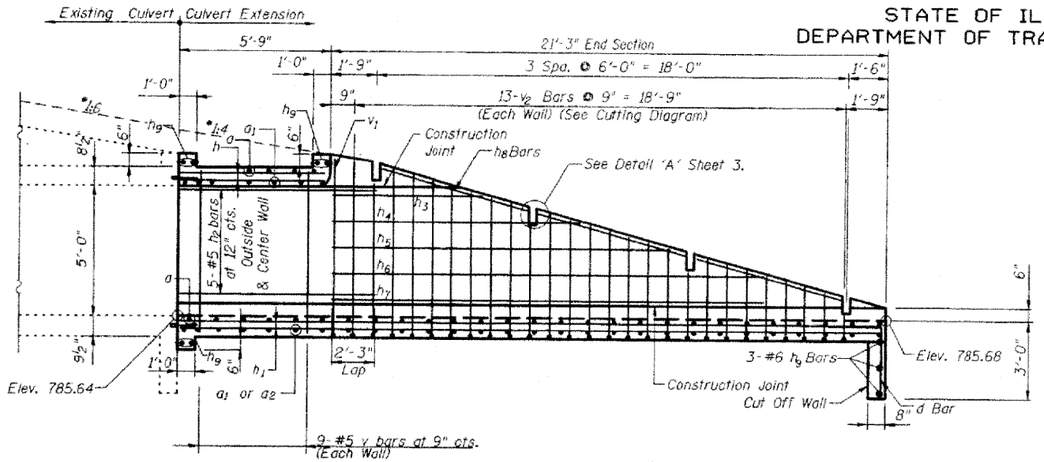
DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

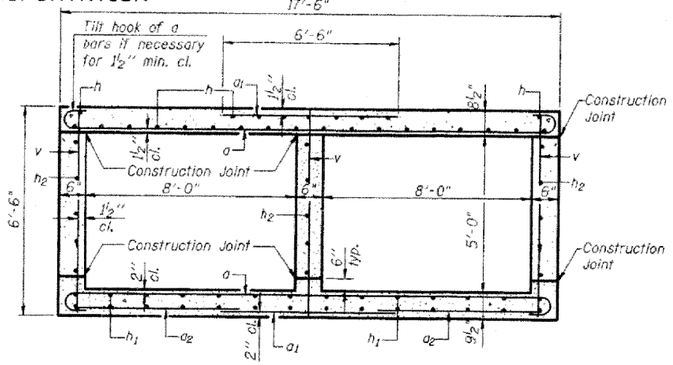
GENERAL PLAN & ELEVATION
FA RTE. 412 OVER DOUBLE 8'X5' CULVERT
FA RTE. 412 - SEC. (141-1) M-1
OGLE COUNTY
STATION 1451+47.00
STRUCTURE NO. 071-1091

SHEET NO. 1	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	35
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

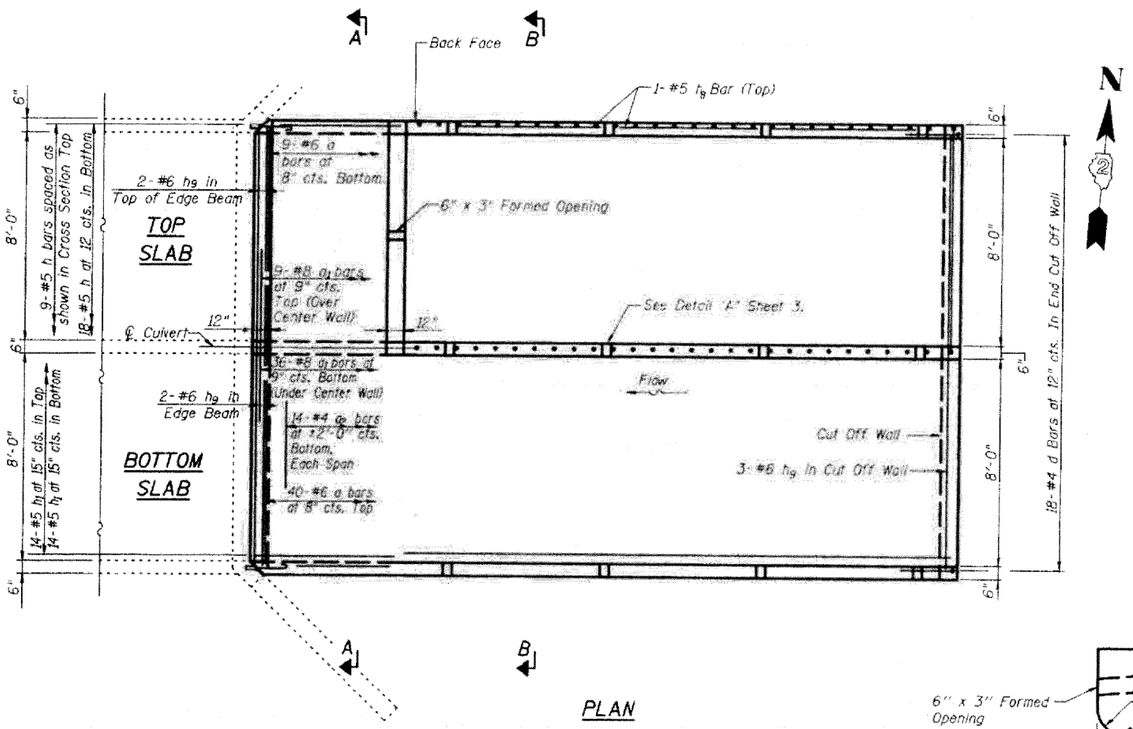


SECTION A-A THRU BARREL

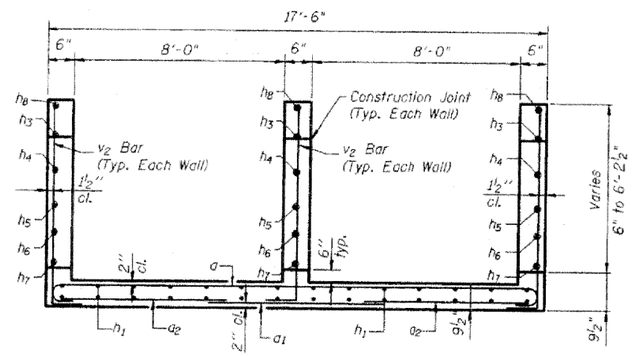
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	49	#6	18'-6"	
a_1	45	#8	6'-6"	
a_2	28	#4	6'-3"	
d	18	#4	4'-6"	
h	27	#5	5'-6"	
h_1	28	#5	26'-9"	
h_2	15	#5	8'-0"	
h_3	3	#5	4'-9"	
h_4	3	#5	8'-6"	
h_5	3	#5	12'-6"	
h_6	3	#5	16'-0"	
h_7	3	#5	20'-0"	
h_8	9	#5	5'-6"	
h_9	9	#6	17'-0"	
v	27	#5	6'-2"	
v_1	3	#5	7'-6"	
v_2	39	#5	9'-5"	
Concrete Box Culverts			Cu. Yd.	24.0
Reinforcement Bars			Pound	4,430

Bill of materials includes all reinforcing and concrete necessary for end section.



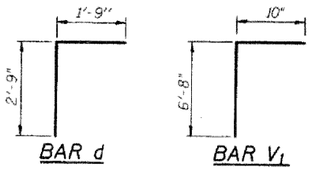
PLAN

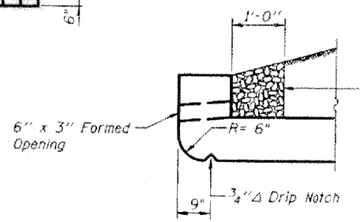


SECTION B-B THRU END SECTION

BAR V_2

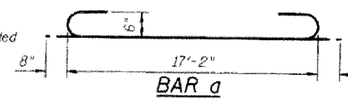
NOTE: Cut bars as shown and use remainder in other end of wall. Adjust spacing to provide 1½" horizontal clearance at pipe notches.





Coarse aggregate full length of headwall. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

AT UPSTREAM END DRAIN DETAIL



BAR a

CULVERT EXTENSION PLAN AND ELEVATION
STRUCTURE NO. 071-1091

DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

Notes: See Sheet No. 3 for Connection Section.

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

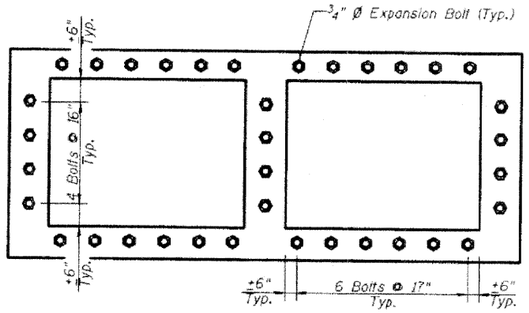
SHEET NO. 2	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	36
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIAL

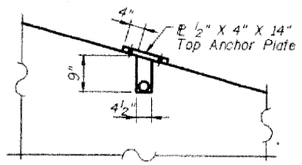
Item	Unit	Quantity
4 " Ø Galv. Steel Pipe*	Each	4 @ 17'-9"
		6 @ 21'-3"
1/2x4x14" Galv. Anchor Plate*	Each	12
5/8" Ø x 10" Galv. Bolts*	Each	24
1/2" Ø Exp. Bolts*	Each	24
9" Sq. or Round 1/4" Galv. Plate*	Each	8
Galv. Steel Pipe Caps*	Each	12
Expansion Bolts-3/4 Inch	Each	36

* Quantites given are for information purposes only. Cost to be included in the bid item "Concrete Box Culvert".

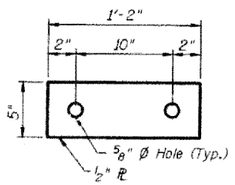


CONNECTION SECTION

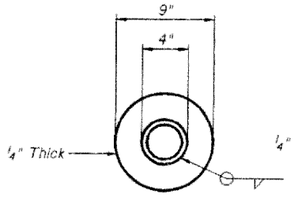
NOTE: Expansion bolts shall be 3/4" Ø Hooked Bolts Hooked Bolts shall extend a minimum of 9" into new concrete.



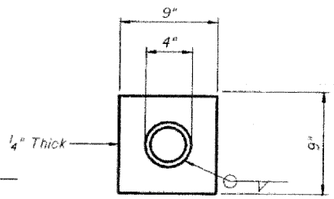
DETAIL 'A'



TOP ANCHOR PLATE

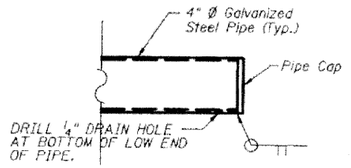


ALTERNATE 1



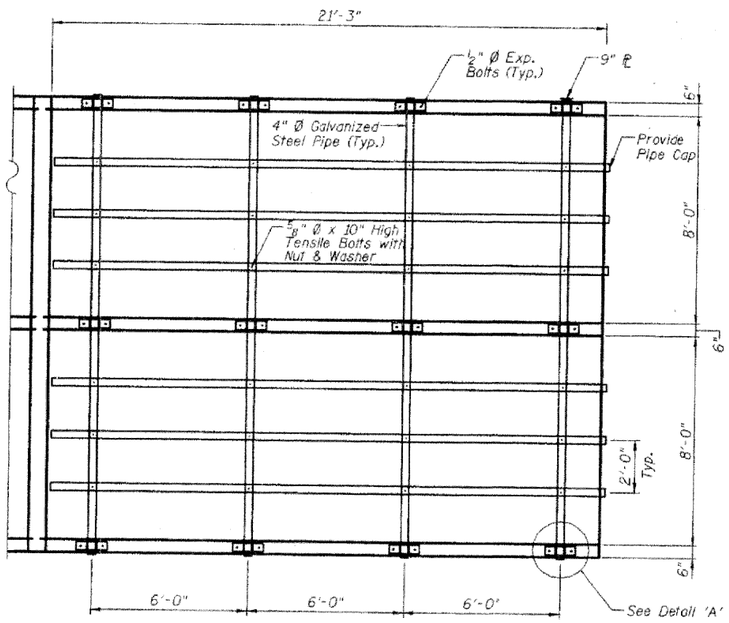
ALTERNATE 2

9" END PLATE



PIPE CAP DETAIL

Threaded pipe and cap acceptable alternative.



GRATE INLET PLAN

NOTES:
Steel Pipes Shall Conform to ASTM A53 (Type E or S) Grade B Schedule 120 Shall be galvanized conforming to ASTM A120.

Steel plates shall conform to AASHTO M-183 & shall be galvanized conforming to AASHTO M-111.

Bolts, nuts and washers shall be in accordance with Article 1006.08 of the standard specifications and shall be galvanized.

The Contract unit price for Cu. Yd. "Concrete Box Culvert" shall include the 1/2" Ø Expansion Bolts, galvanized pipes, bolts, nuts washers and steel plates.

GRATING FOR CONCRETE BOX CULVERT STRUCTURE NO. 071-1091

DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

SHEET NO. 3	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	37
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 12/5/08

ROUTE FAI 39 DESCRIPTION P92-003-09 Box Culvert, I-39 culvert Ext. E. side, .7 m. N. of I-88 LOGGED BY W. Garza

SECTION (141-1) M-1 LOCATION Dement Twp. - 29 SE, SEC., TWP. 40N, RNG. 2E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-1091
Station 1446+49.5

BORING NO. B-2
Station 1446+65
Offset 2.00ft E of Shoulder
Ground Surface Elev. 99.50 ft

Surface Water Elev. ft
Stream Bed Elev. 89.50 ft

Groundwater Elev.:
First Encounter 85.0 ft ▼
Upon Completion 79.5 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Rock			
97.50			
MEDIUM gray SILTY CLAY LOAM		0.9 P	17.0
95.50			
MEDIUM tan fine SAND	5		
-5	6		
	9		
93.00			
VERY STIFF dark gray LOAM with SAND lens	6		
	5	2.5 P	17.0
91.00	6		
STIFF gray SILTY CLAY	2		
-10	3	1.7 B	25.0
	5		
88.00			
MEDIUM tan dirty moist SANDY GRAVEL	7		
	9		
86.00	11		
▼			
MEIDUM gray clean medium coarse SAND -15	4		
	6		
	10		
83.00			
MEDIUM light brown SILTY CLAY LOAM TILL	5		
	2	0.9 B	14.0
	4		
80.50			
STIFF gray SILT ▽ -20	2		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILT *(continued)*	9	1.1	22.0
78.50	12	P	
SOFT gray SILT	10		
	6	0.3	25.0
	5	B	
75.50			
MEDIUM gray wet fine SAND	2		
-25	6		
73.50	10		
LOOSE gray fine SAND	4		
	3		
	6		
70.50			
STIFF gray SILT with fine SAND -30	5		
Water Freezing	8	1.0	22.0
End of Boring 68.50	13	P	
End of Boring			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

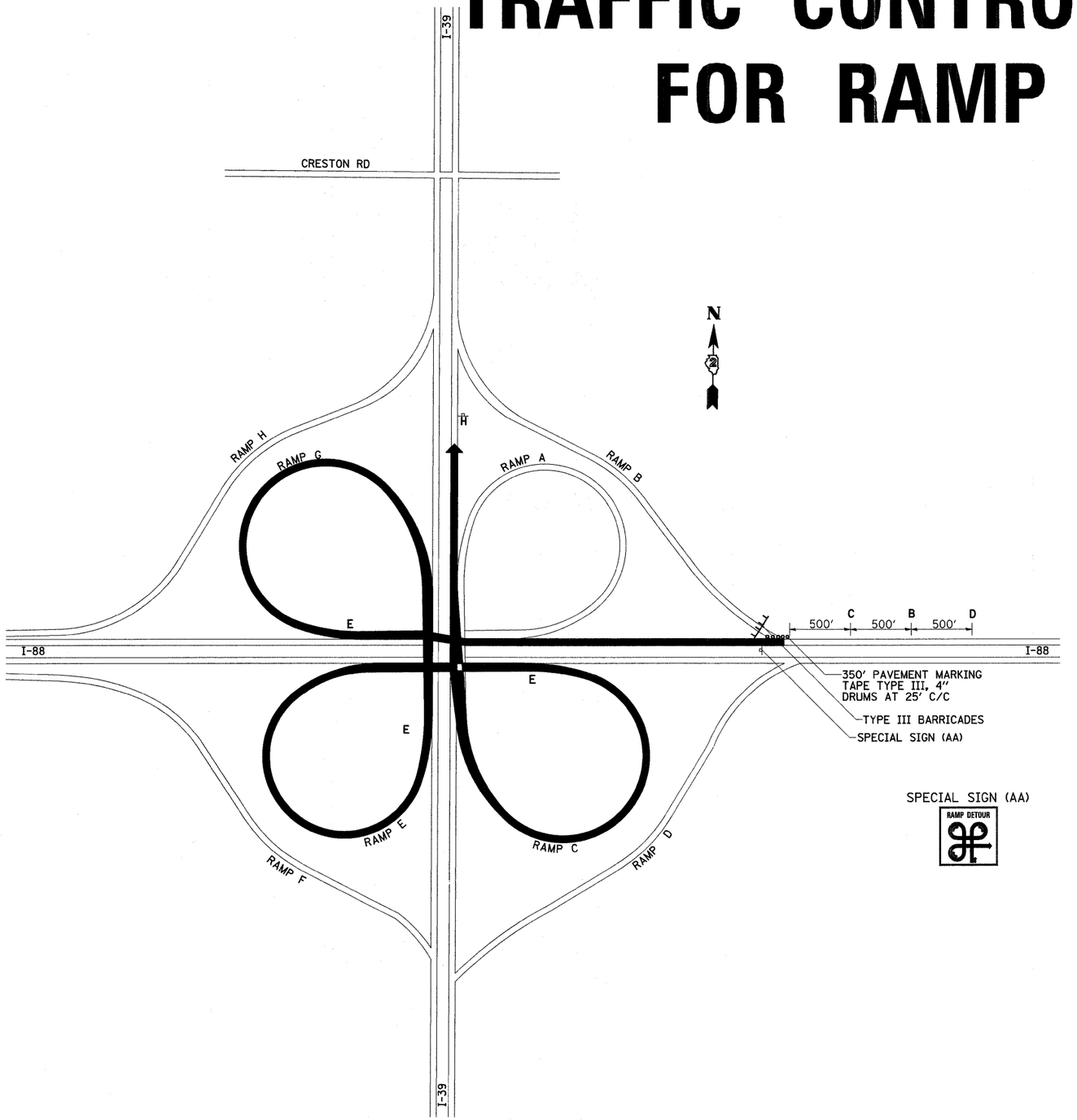
DESIGNED	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

SOIL BORING LOG
STRUCTURE NO. 071-1091

SHEET NO. 4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	38
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL PLAN FOR RAMP B



B.


48"

D.


48"

C.


48"

SPECIAL SIGN (AA)

NOTE: SEE SPECIAL SIGN (AA) DETAILS SHEET

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 09:38:19 2009	DATE -	REVISED -

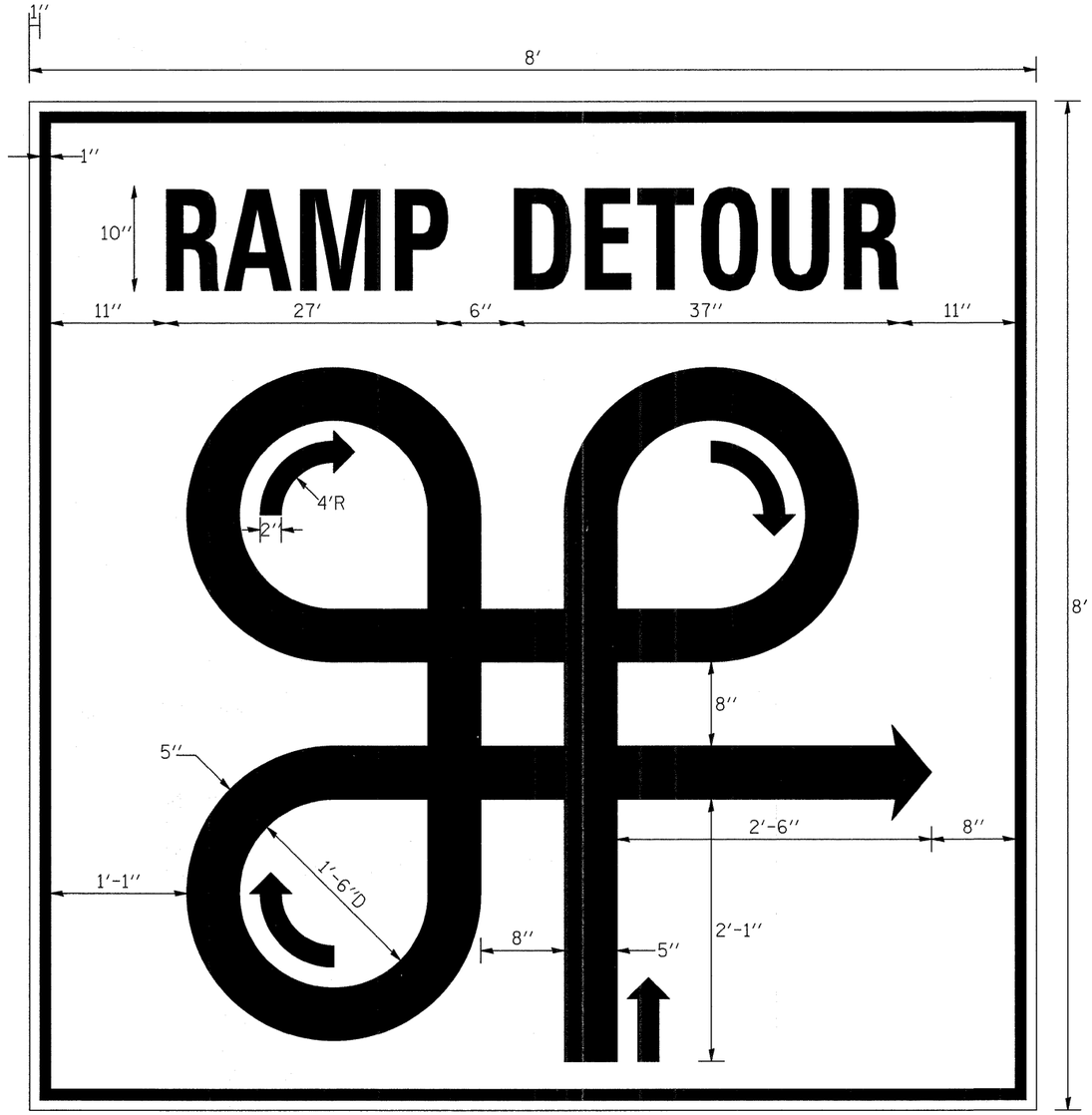
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN FOR RAMP B

SCALE: | SHEET NO. 39 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	39
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SPECIAL SIGN (AA)



10'' GOTHIC C FONT LETTERS
ORANGE - BACKGROUND
BLACK - LETTERS AND SYMBOLS

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		DRAWN -	REVISED -
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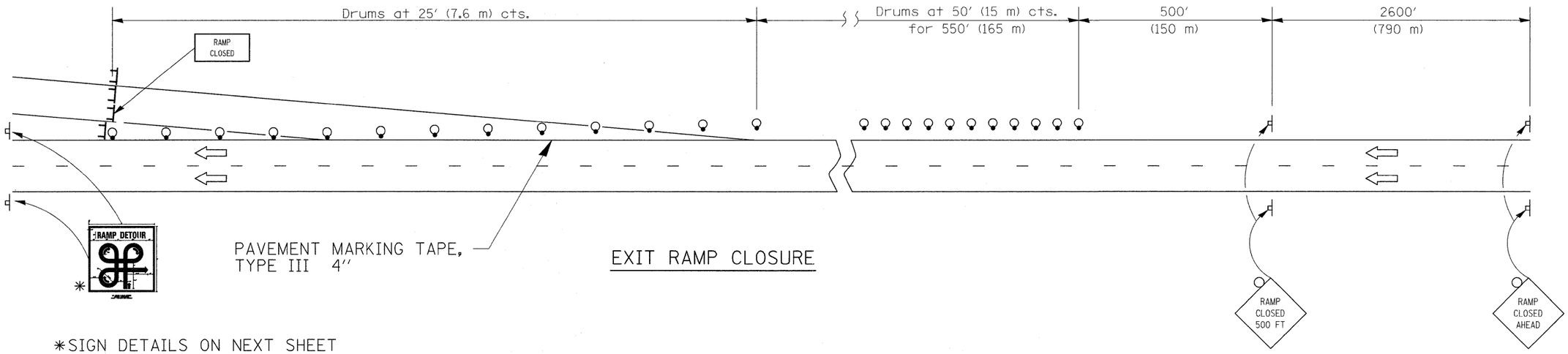
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP DETOUR SIGN DETAIL

SCALE: | SHEET NO. 40 OF 82 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	40
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	41
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 64E60		



EXIT RAMP CLOSURE

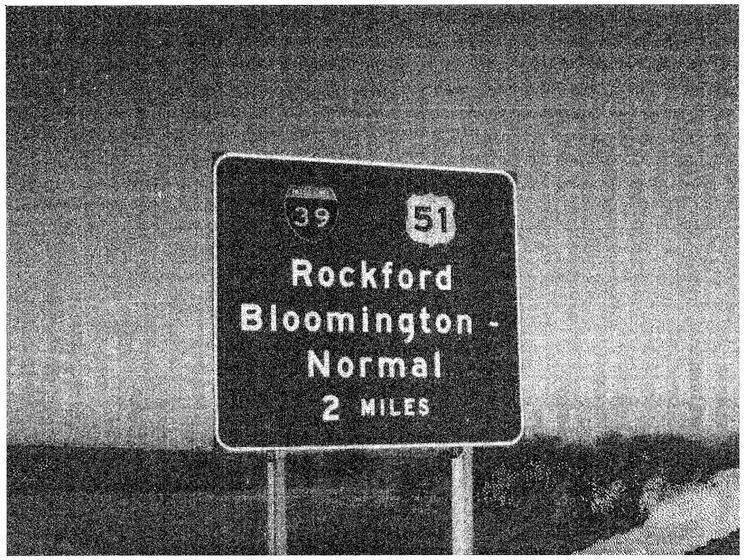
*SIGN DETAILS ON NEXT SHEET

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

RAMP CLOSURE
FREEWAY/EXPRESSWAY

STANDARD 701451 SPL

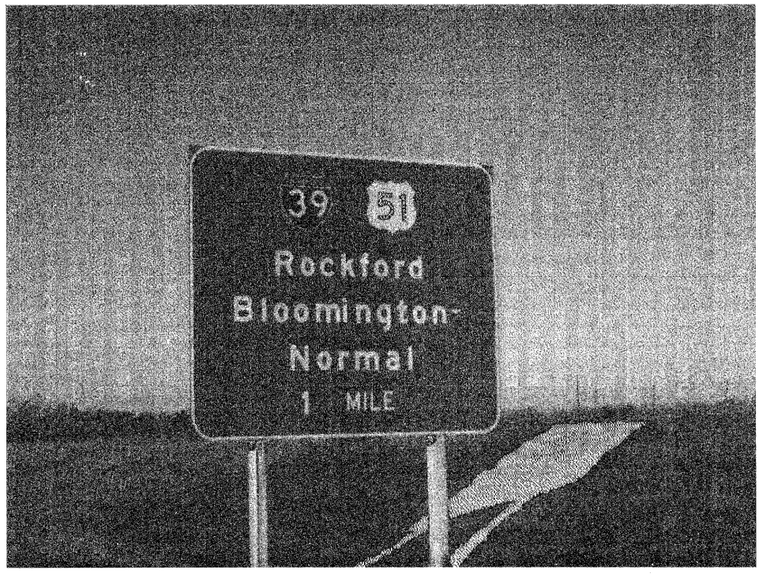
SIGNS TO BE COVERED



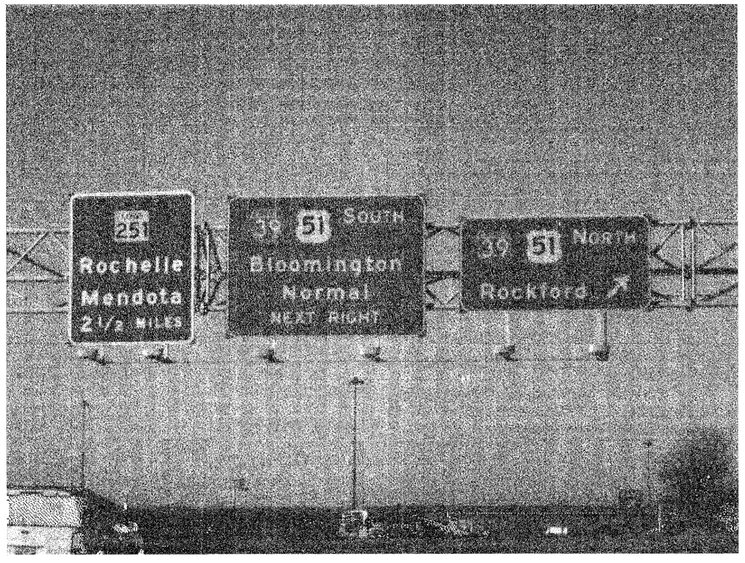
COVER "ROCKFORD" ONLY

NOTE: ALL SIGN LOCATIONS ARE ALONG I-88 WEST BOUND

COVER ENTIRE SIGN



COVER "ROCKFORD" ONLY



COVER "ROCKFORD" SIGN

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		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 09:38:19 2009	DATE -	REVISED -

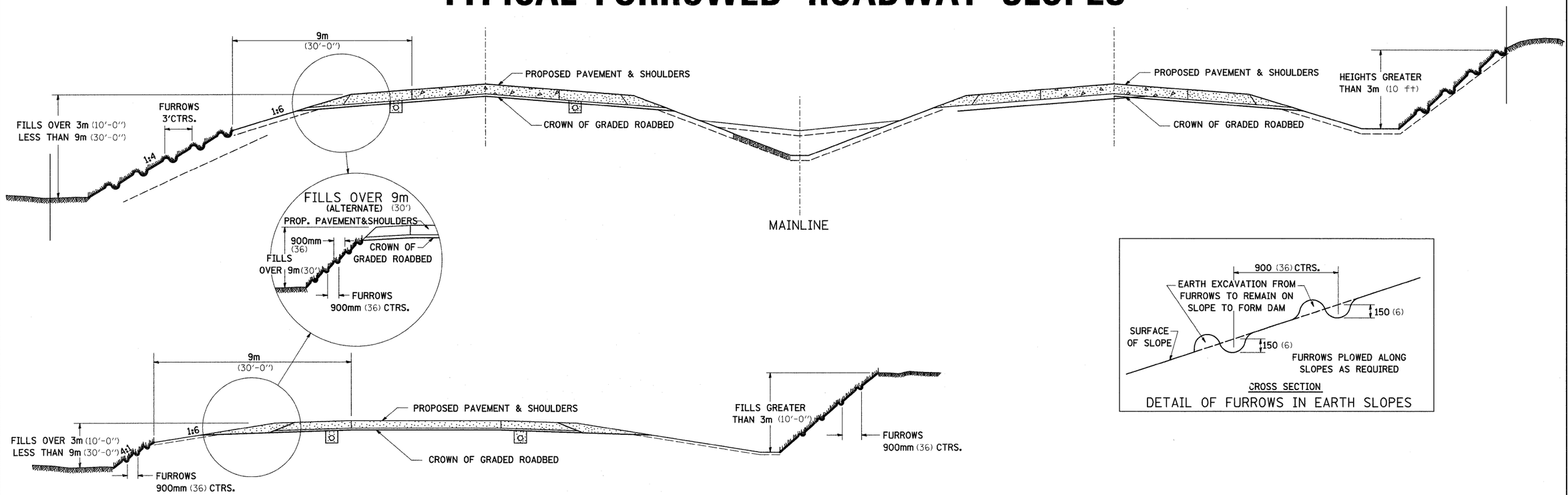
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNS TO BE COVERED DETAILS

SCALE: | SHEET NO. 42 OF 82 SHEETS | STA. | TO STA.

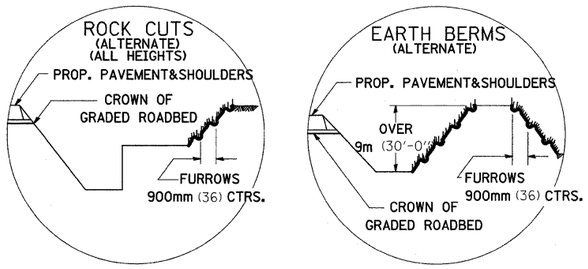
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	42
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

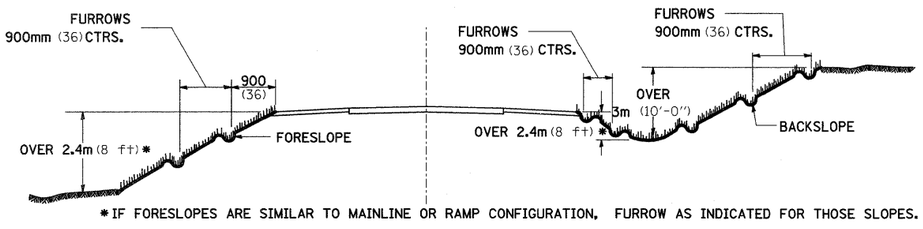
TYPICAL FURROWED ROADWAY SLOPES



RAMPS

DETAIL OF FURROWS IN EARTH SLOPES





*IF FORESLOPES ARE SIMILAR TO MAINLINE OR RAMP CONFIGURATION, FURROW AS INDICATED FOR THOSE SLOPES.

CROSSROAD GRADE SEPERATIONS

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

GENERAL NOTES

IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED.

NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 3m (10 ft) OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 3m (10 ft) IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCLUDED IN THE PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:

1. SPREAD FERTILIZER.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.
5. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCLUDED TO THE ITEM OF SEEDING.
6. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-cover sht.dgn	USER NAME = stringerjm	DESIGNED -	REVISED - 1-15-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -					39	(141-1)M-1	OGLE	82	43
	PLOT DATE = Fri Jan 23 09:38:16 2009	CHECKED -	REVISED -							CONTRACT NO. 64E60		
		DATE -	REVISED -		SCALE:	SHEET NO. 43 OF 82 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

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

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF RECONSTRUCTION OF THE EXISTING NORTHEAST RAMP AT THE INTERCHANGE OF I-39 AND I-88 INCLUDING DITCHING, EXTENDING 2 ACROSS ROAD CULVERTS AND CULVERT PROPER END TREATMENTS.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 6.81 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) N/A ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 5.14 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

TWO UNNAMED STREAMS

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE 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 WITH THE PROPER STAND. 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.

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		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 09:38:18 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

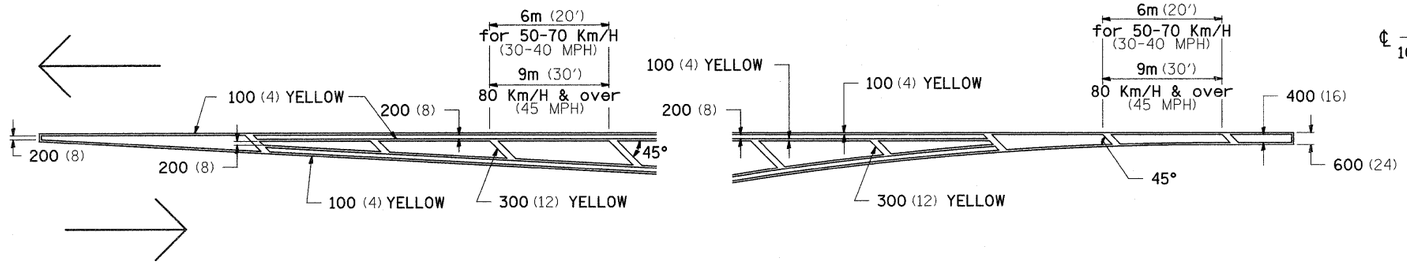
REGION 2 / DISTRICT 2 STANDARD

SCALE: | SHEET NO. 44 OF 82 SHEETS | STA. | TO STA.

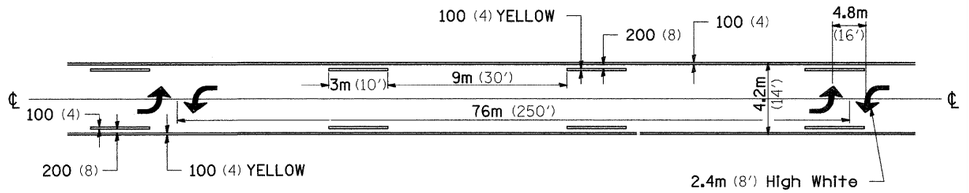
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	44
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

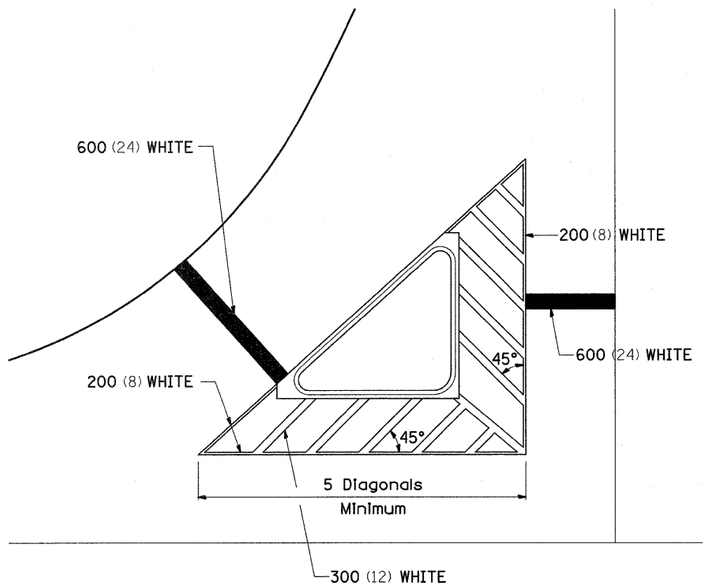


MEDIAN PAVEMENT MARKING

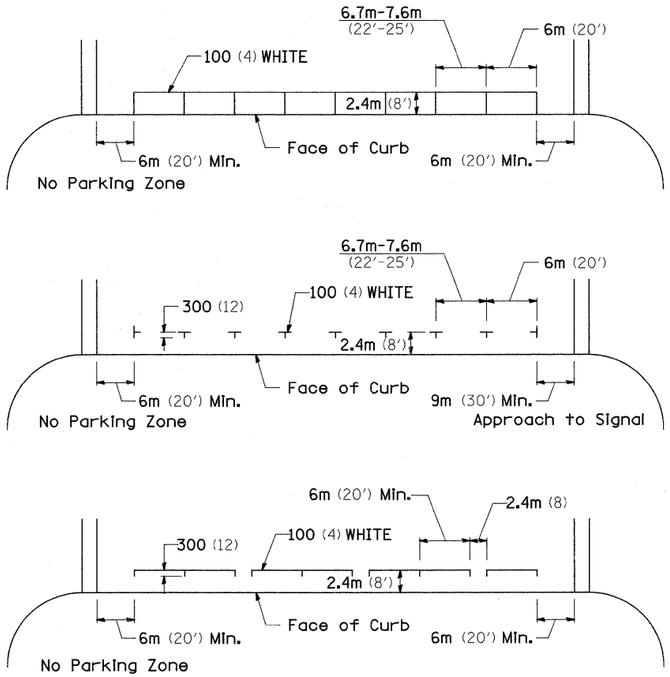


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

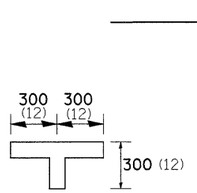


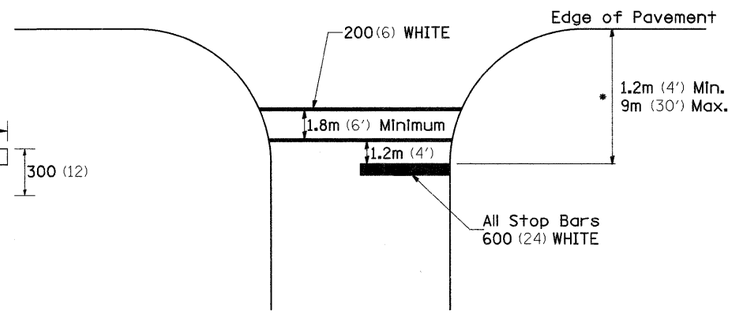
TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



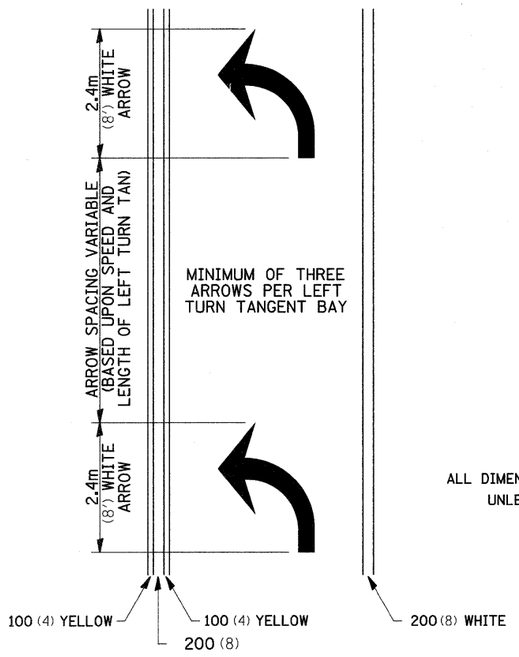


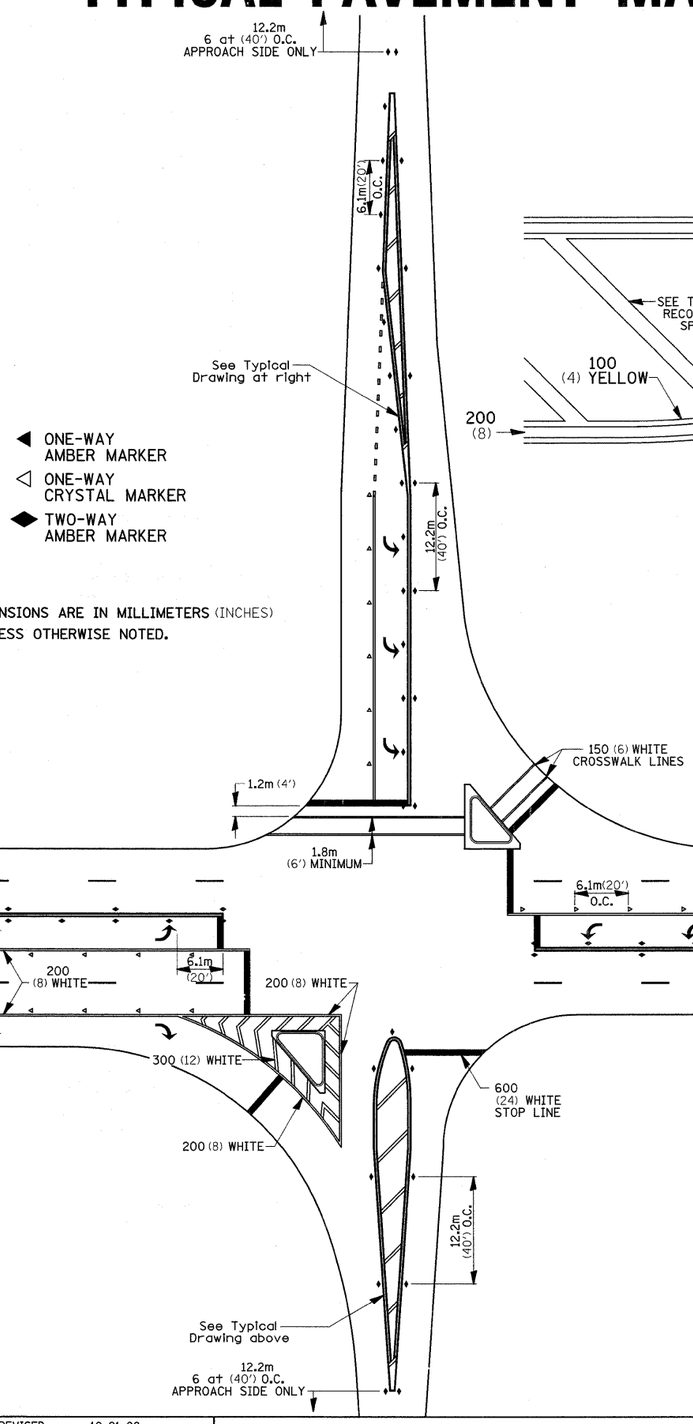
• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-cover sht.dgn	USER NAME = stringerjm	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -				39	(141-1)M-1	OGLE	82	45
	PLOT DATE = Fri Jan 23 09:38:16 2009	CHECKED -	REVISED -						CONTRACT NO. 64E60		
		DATE -	REVISED -		SCALE:	SHEET NO. 45 OF 82 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

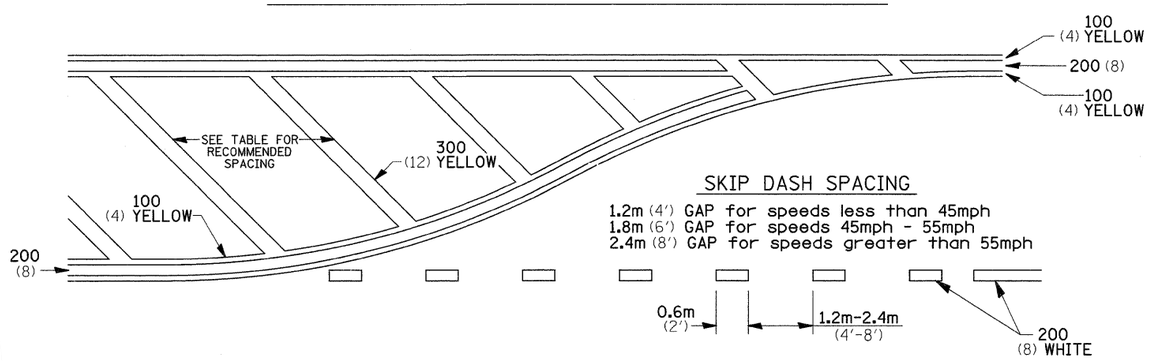
ARROW LAYOUT





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

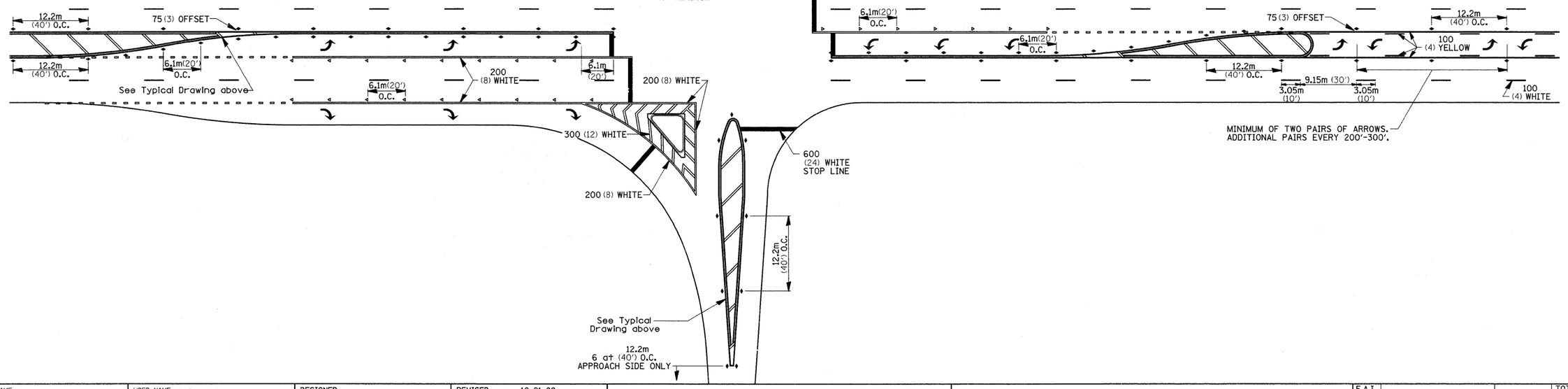
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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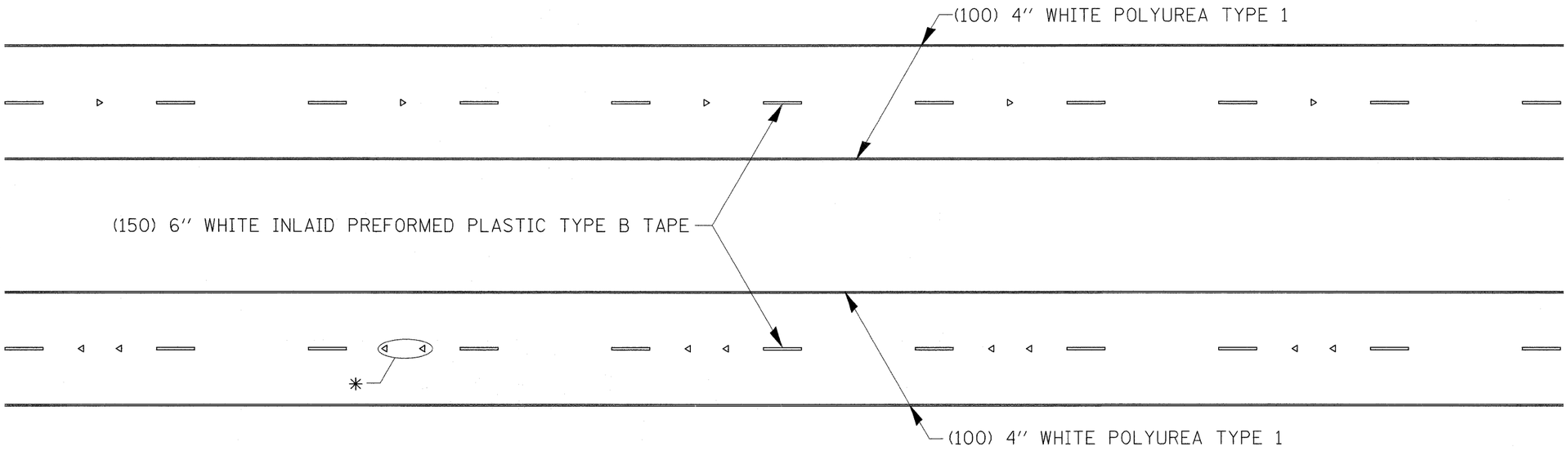
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -		SCALE: / SHEET NO. 46 OF 82 SHEETS / STA. / TO STA.
	PLOT DATE = Fri Jan 23 09:38:17 2009	CHECKED -	REVISED -		
		DATE -	REVISED -		

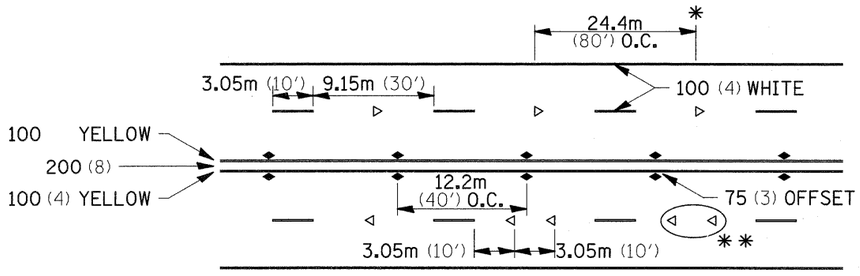
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	46
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI–LANE / DIVIDED



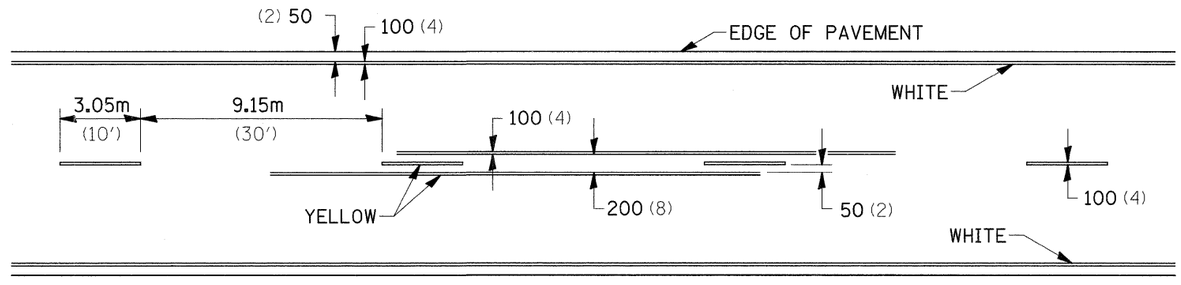
SYMBOLS

* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI–LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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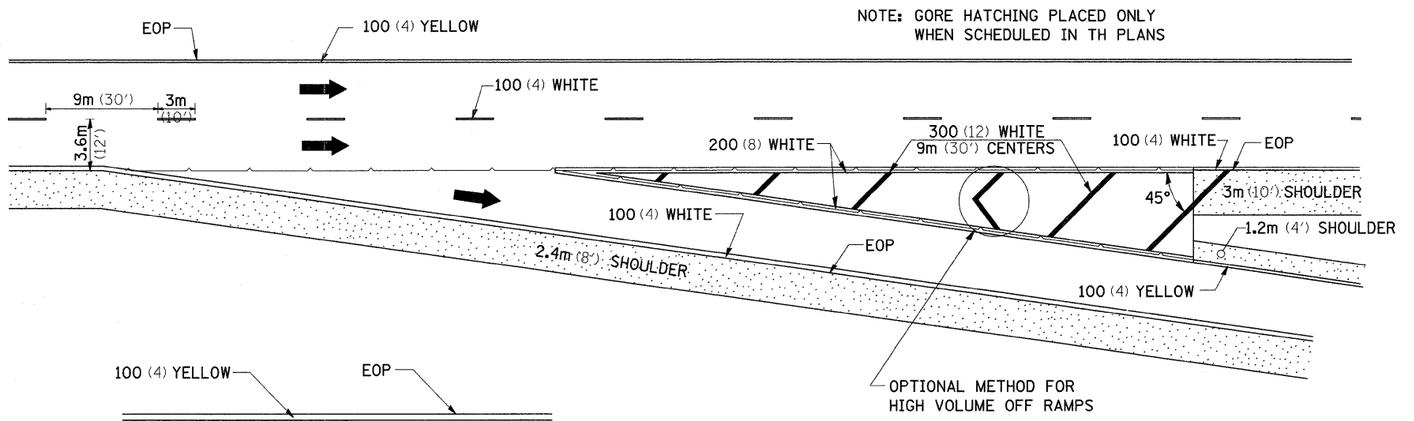
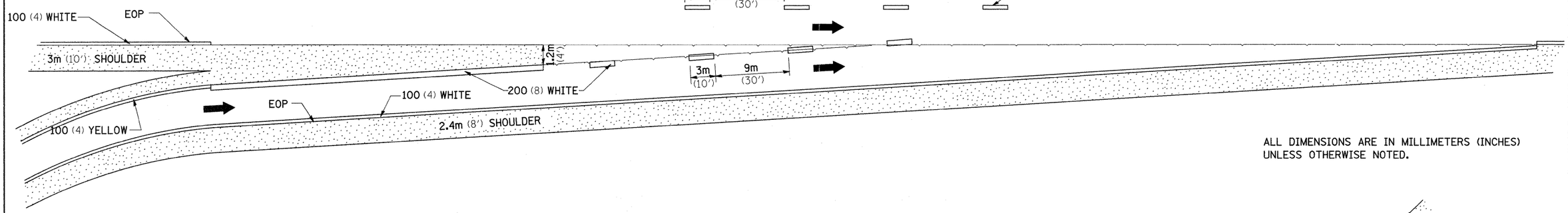
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -					39	(141-1)M-1	OGLE	82	47
	PLOT DATE = Fri Jan 23 09:38:17 2009	CHECKED -	REVISED -		SCALE:	SHEET NO. 47 OF 82 SHEETS	STA. TO STA.			CONTRACT NO. 64E60		
		DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAINTING DETAILS

EXIT RAMP

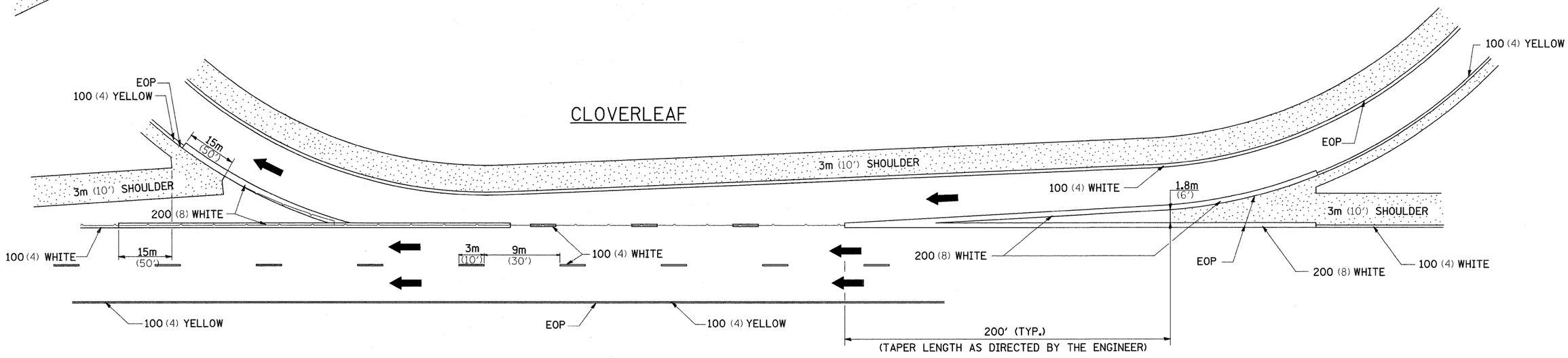


ENTRANCE RAMP



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

CLOVERLEAF



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	PLOT DATE = Fri Jan 23 09:38:18 2009	DATE -	REVISED -

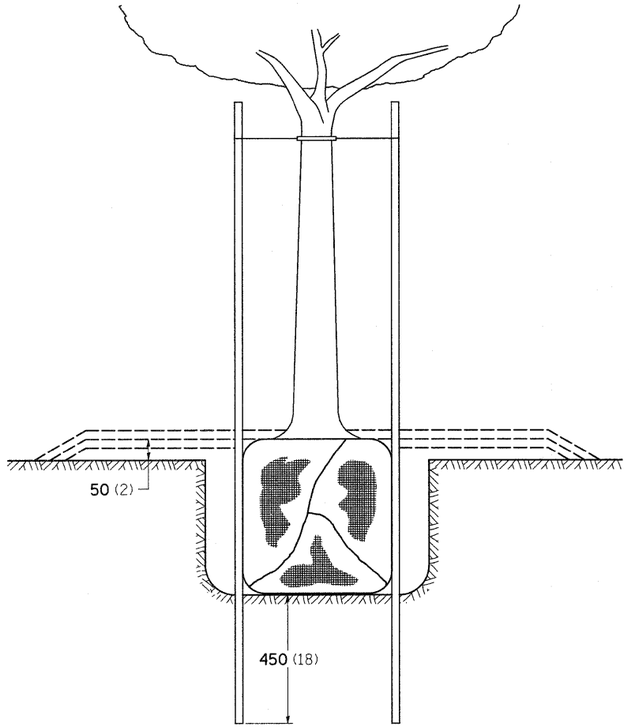
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

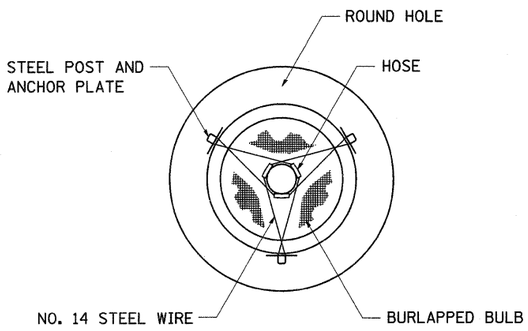
SCALE: | SHEET NO. 48 OF 82 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	48
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF PLANTING AND BRACING TREES

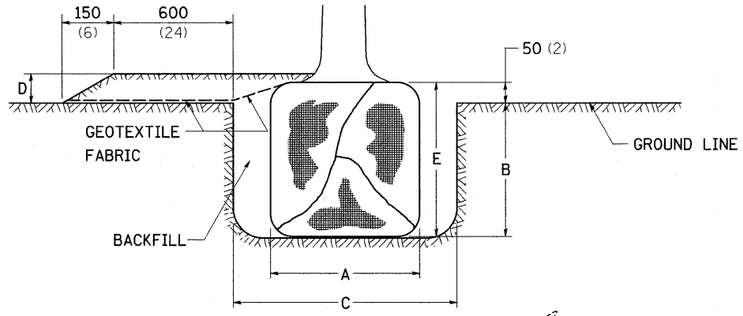


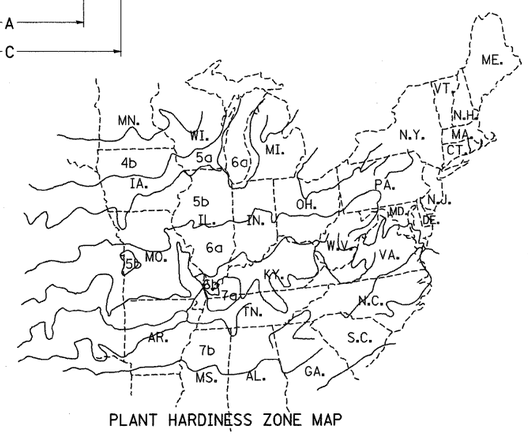
TREES SMALLER THAN 115 ($4\frac{1}{2}$) IN DIAMETER



SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

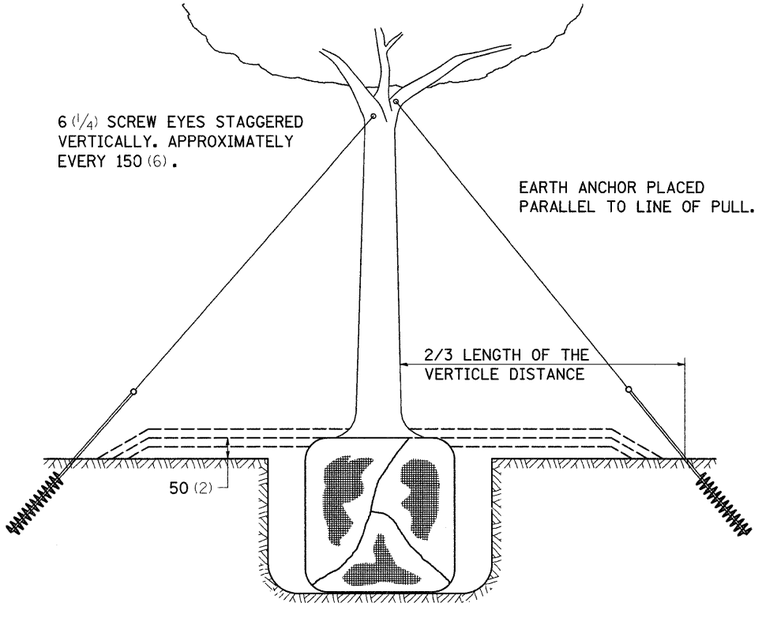
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-$2\frac{1}{2}$) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 ($2\frac{1}{2}$-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-$3\frac{1}{2}$) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 ($3\frac{1}{2}$-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-$4\frac{1}{2}$) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 ($4\frac{1}{2}$-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-$5\frac{1}{2}$) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



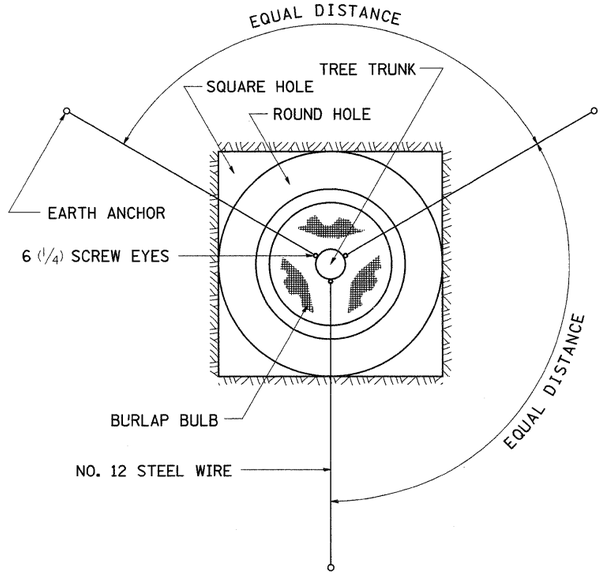


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 ($4\frac{1}{2}$) IN DIAMETER



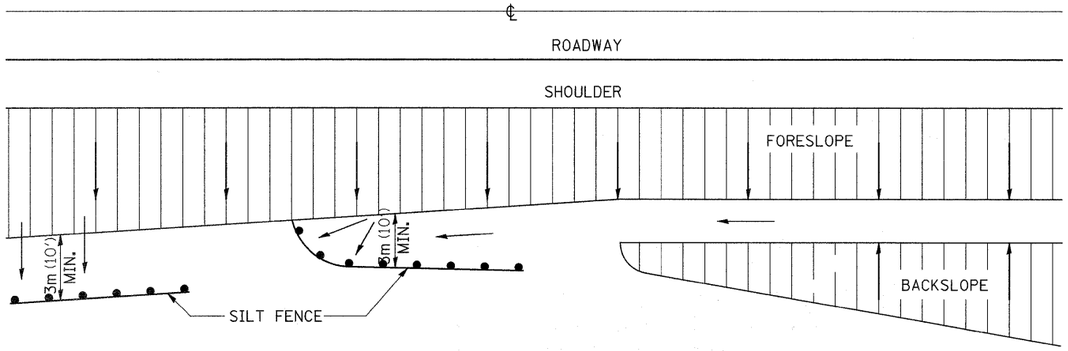
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

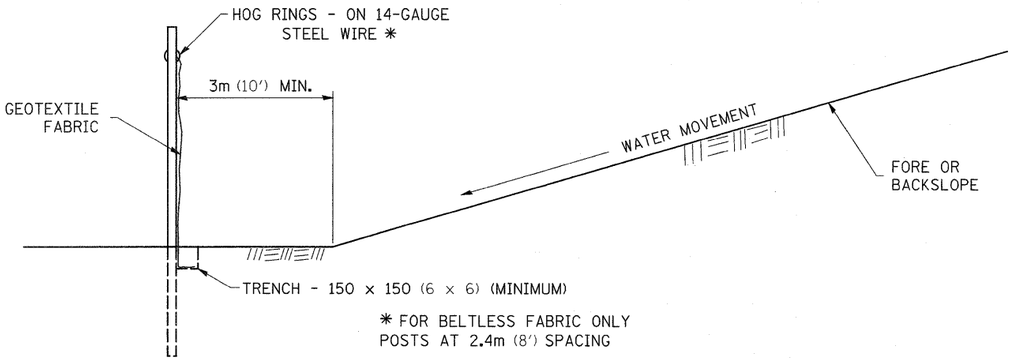
FILE NAME = c:\pw_work\PWIDOT\STRINGERJM\dms84027\D200309-cover sht.dgn	USER NAME = stringerjm	DESIGNED -	REVISED - 10-15-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -		
	PLOT DATE = Fri Jan 23 09:38:18 2009	CHECKED -	REVISED -		
		DATE -	REVISED -		SCALE:

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(141-1)M-1	OGLE	82	49
		CONTRACT NO. 64E60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 49 OF 82 SHEETS | STA. | TO STA.

EROSION CONTROL DETAILS FOR SILT FENCE



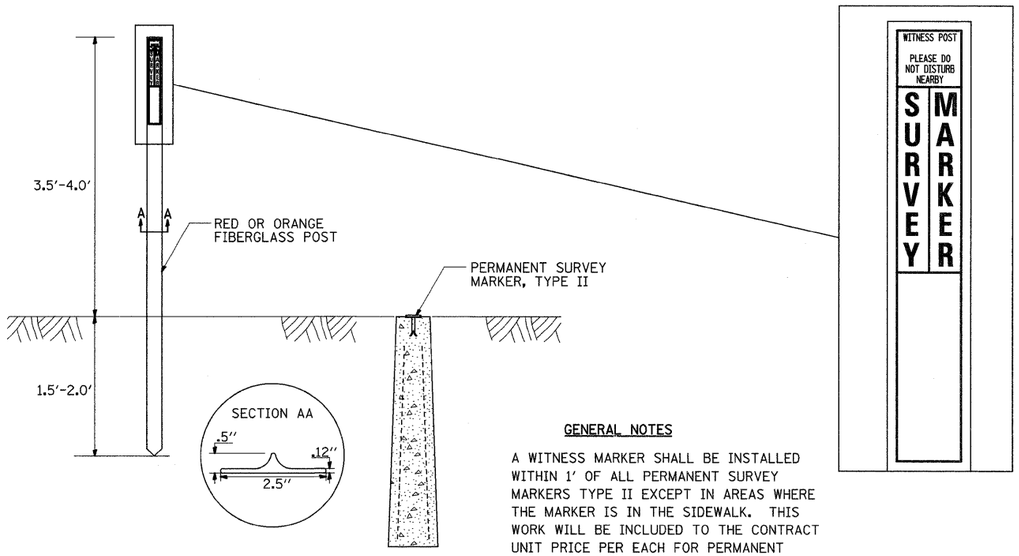


DETAILS OF SILT FENCE

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

REVISED - 10-22-01

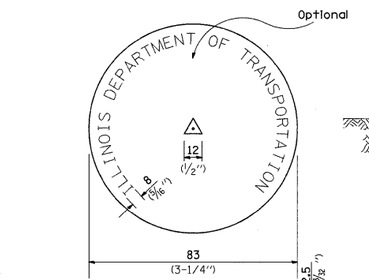
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



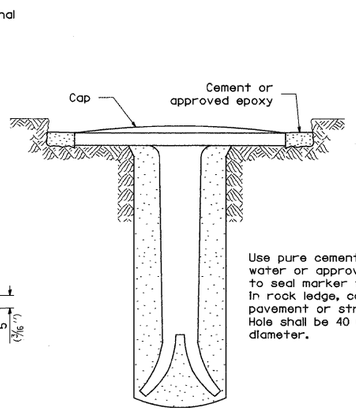
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

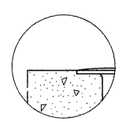
PERMANENT SURVEY MARKERS, TYPE II



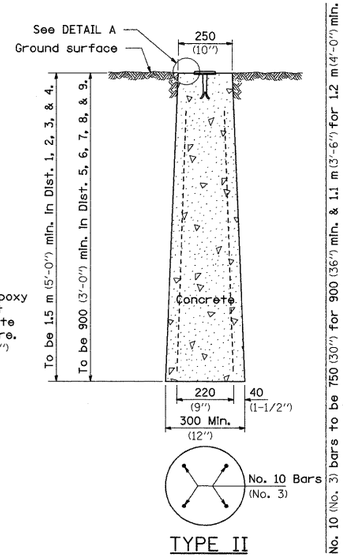
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

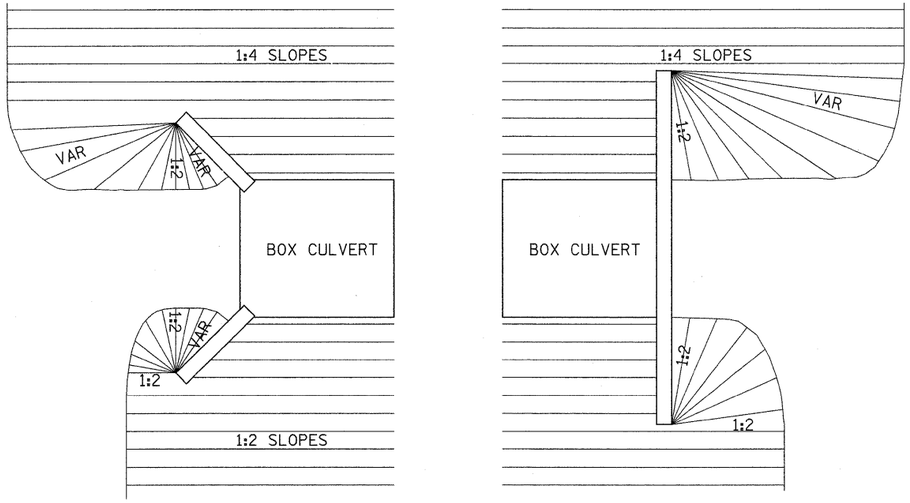
CAST-IN-PLACE MARKER

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

REVISED - 10-21-08	REGION 2 / DISTRICT 2 STANDARD	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		39	(141-1)M-1	OGLE	82 / 50
REVISED -				CONTRACT NO. 64E60	
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. 50 OF 82 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Fri Jan 23 09:38:15 2009

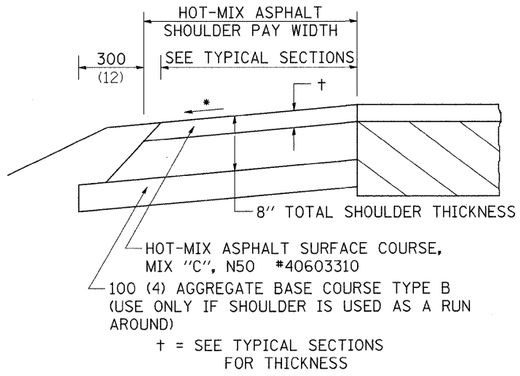
GRADING AROUND WINGWALLS



10-21-08

GRADING AROUND WINGWALLS 20.4

HOT–MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

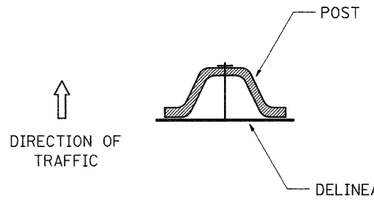
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

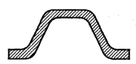
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07

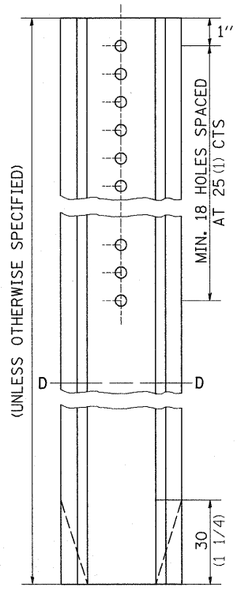
HOT–MIX ASPHALT SHOULDER 23.4a

DELINEATOR AND POST ORIENTATION





SECTION D-D



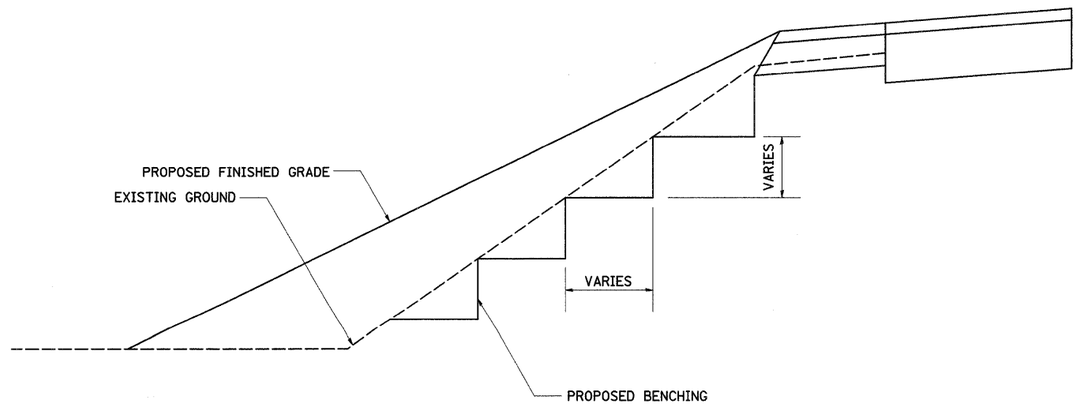
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		39	(141-1)M-1	OGLE	82 / 51
REVISED -				CONTRACT NO. 64E60	
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. 51 OF 82 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Fri Jan 23 09:38:16 2009

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2001714	ACER SACCHARUM	SUGAR MAPLE	1-3/4 INCH **	EACH	3

** 1-3/4 INCHES CALIPER BALLED AND BURLAPPED
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 8-10-05

GENERAL NOTES:

1. LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE TECHNICIAN.
2. MULCH SHALL BE HARDWOOD CHIPS, 5 FOOT WIDTH, 4 INCHES THICK WITH WEED BARRIER FABRIC.

TREE REPLACEMENT SCHEDULE 90.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			39	(141-1)M-1	OGLE	82	52
REVISED -					CONTRACT NO. 64E60		
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. 52 OF 82 SHEETS STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Fri Jan 23 09:38:16 2009

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

815 810 805 800 795 790

13.6

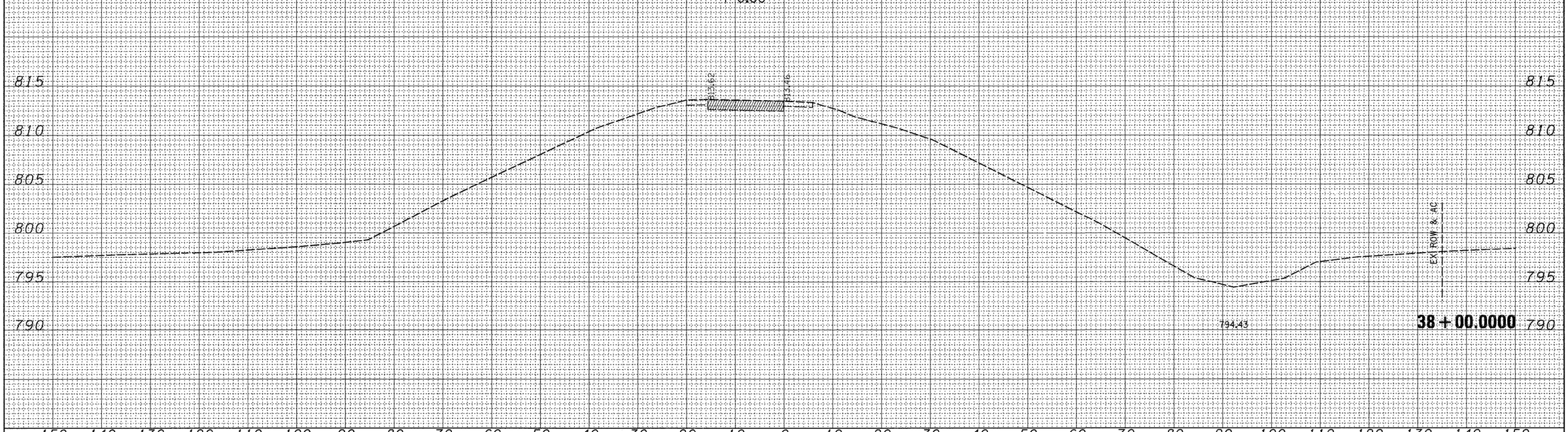
12.97

C=0.00 F=0.00
T=0.00

794.32

EX. ROW & AC

38+50.0000



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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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	PLOT DATE = Fri Jan 23 10:28:41 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

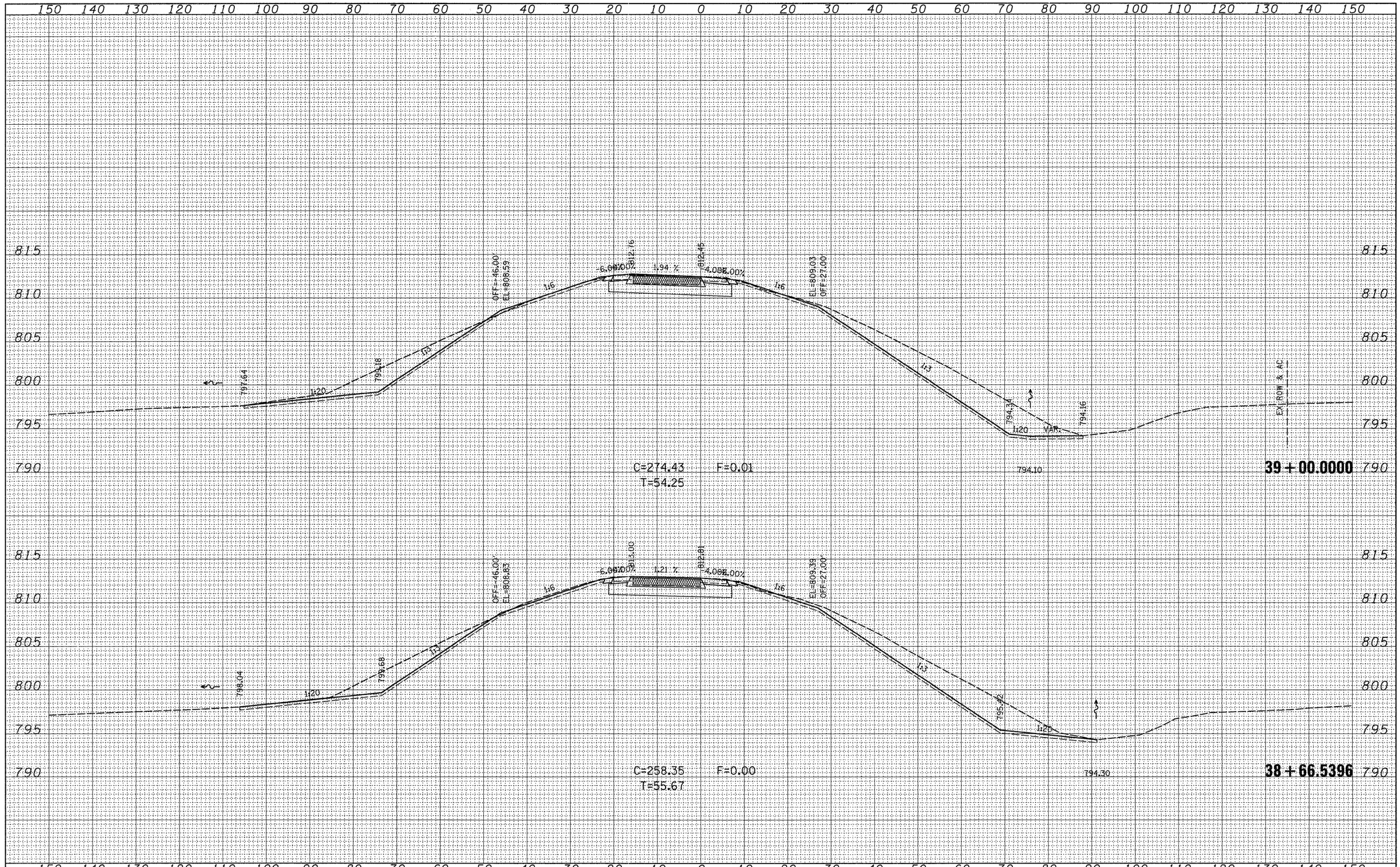
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 38+00.0000 TO STA. 38+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	53
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TYPED/CHK'D		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TYPED/CHK'D		
	AREAS		
	AREAS CHECKED		



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	PLOT DATE = Fri Jan 23 10:28:42 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

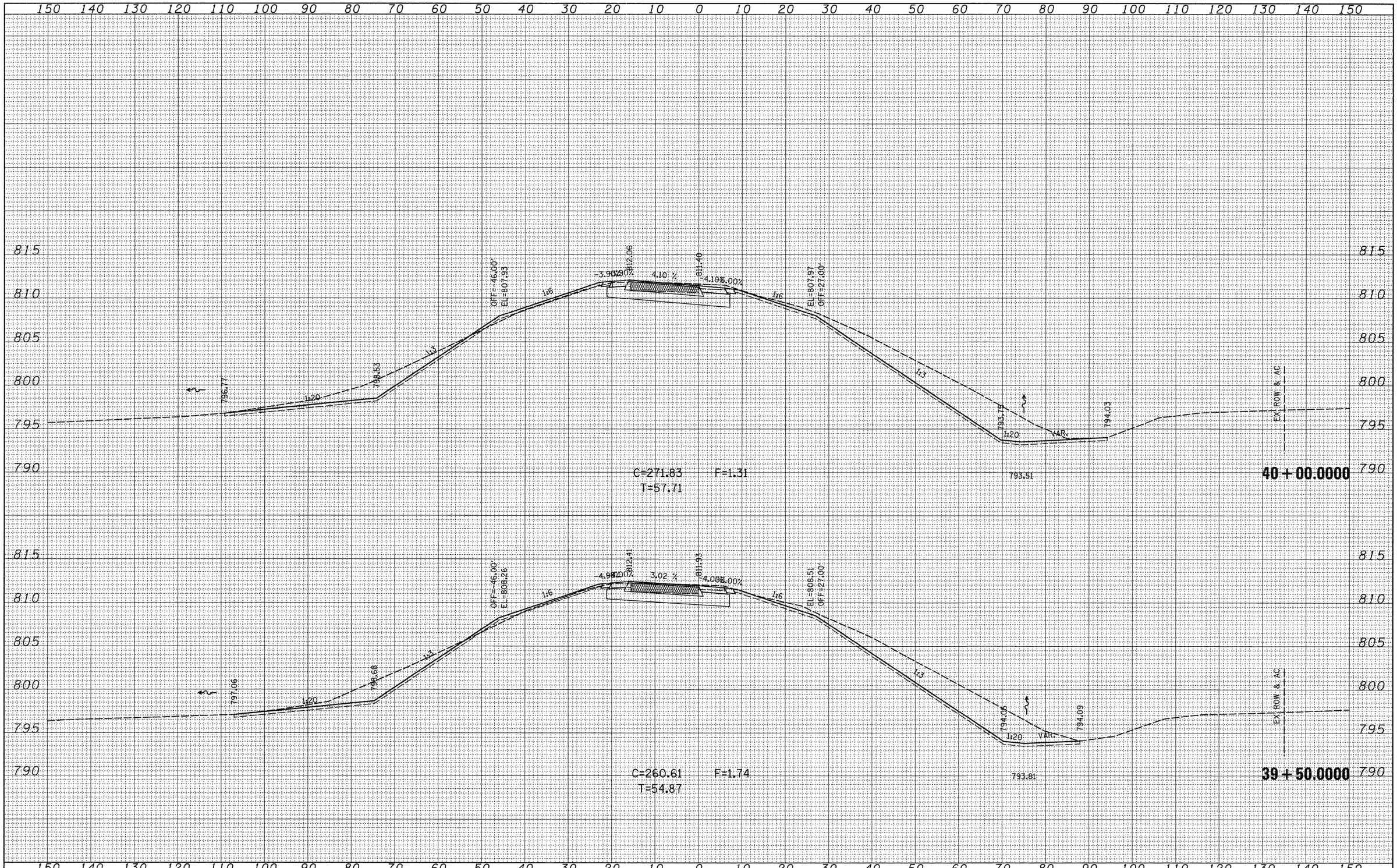
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 38+66.5396 TO STA. 39+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	54
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jan 23 10:28:42 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

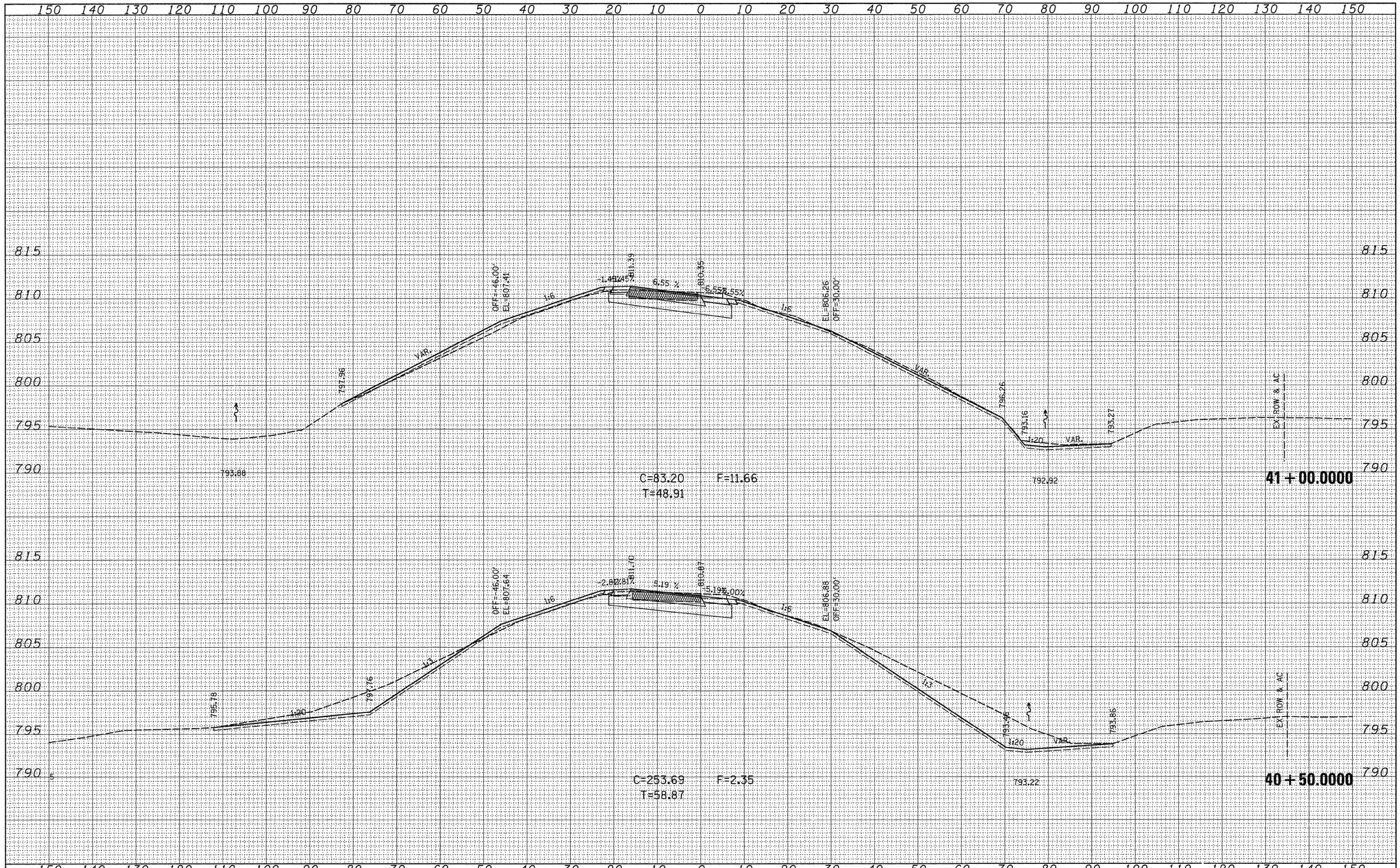
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 39+50.0000 TO STA. 40+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	55
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jan 23 10:28:43 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

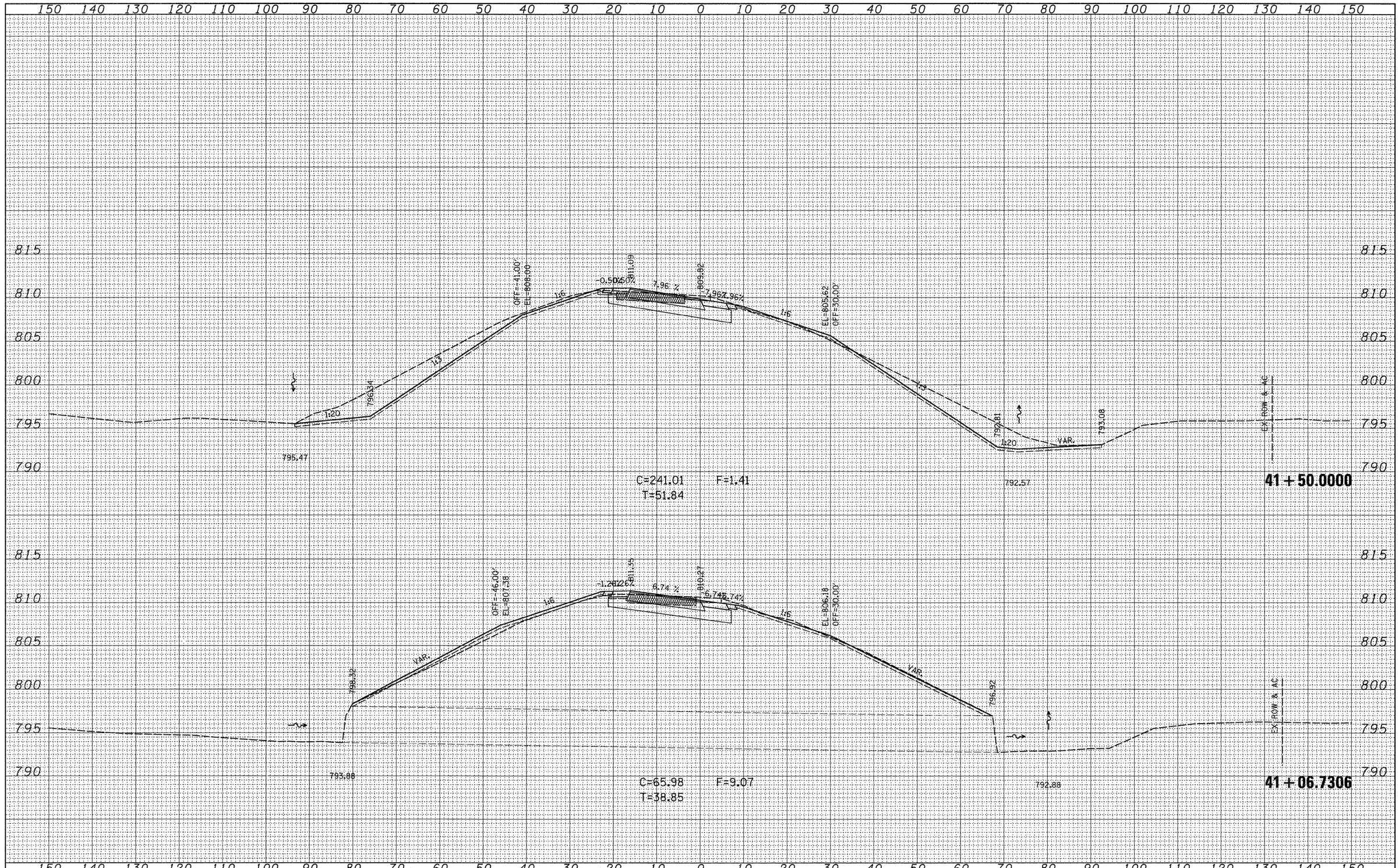
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 40+50.0000 TO STA. 41+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)IM-1	OGLE	82	56
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TEMP. AS-BUILT		
AREAS		
AREAS	CHECKED	

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TEMP. AS-BUILT		
AREAS		
AREAS	CHECKED	



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	PLOT DATE = Fri Jan 23 10:28:43 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

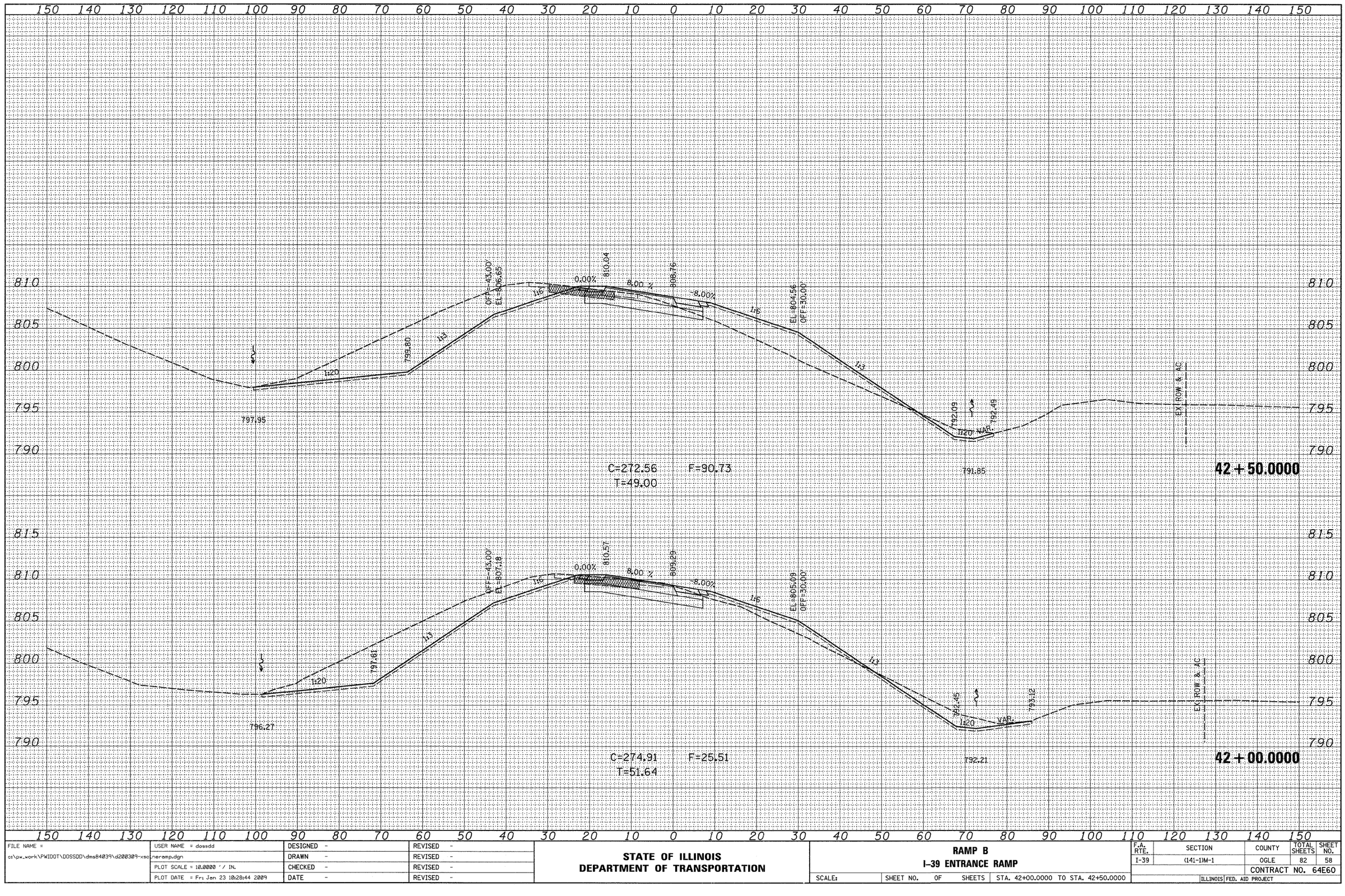
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 41+06.7306 TO STA. 41+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	57
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	SURVEYED	BY	
	PLOTTED		
NOTE BOOK	PHOTO-GRAMMETRIC		
	AREAS		
NO.	AREAS CHECKED		DATE

ORIGINAL SURVEY	SURVEYED	BY	
	PLOTTED		
NOTE BOOK	PHOTO-GRAMMETRIC		
	AREAS		
NO.	AREAS CHECKED		DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

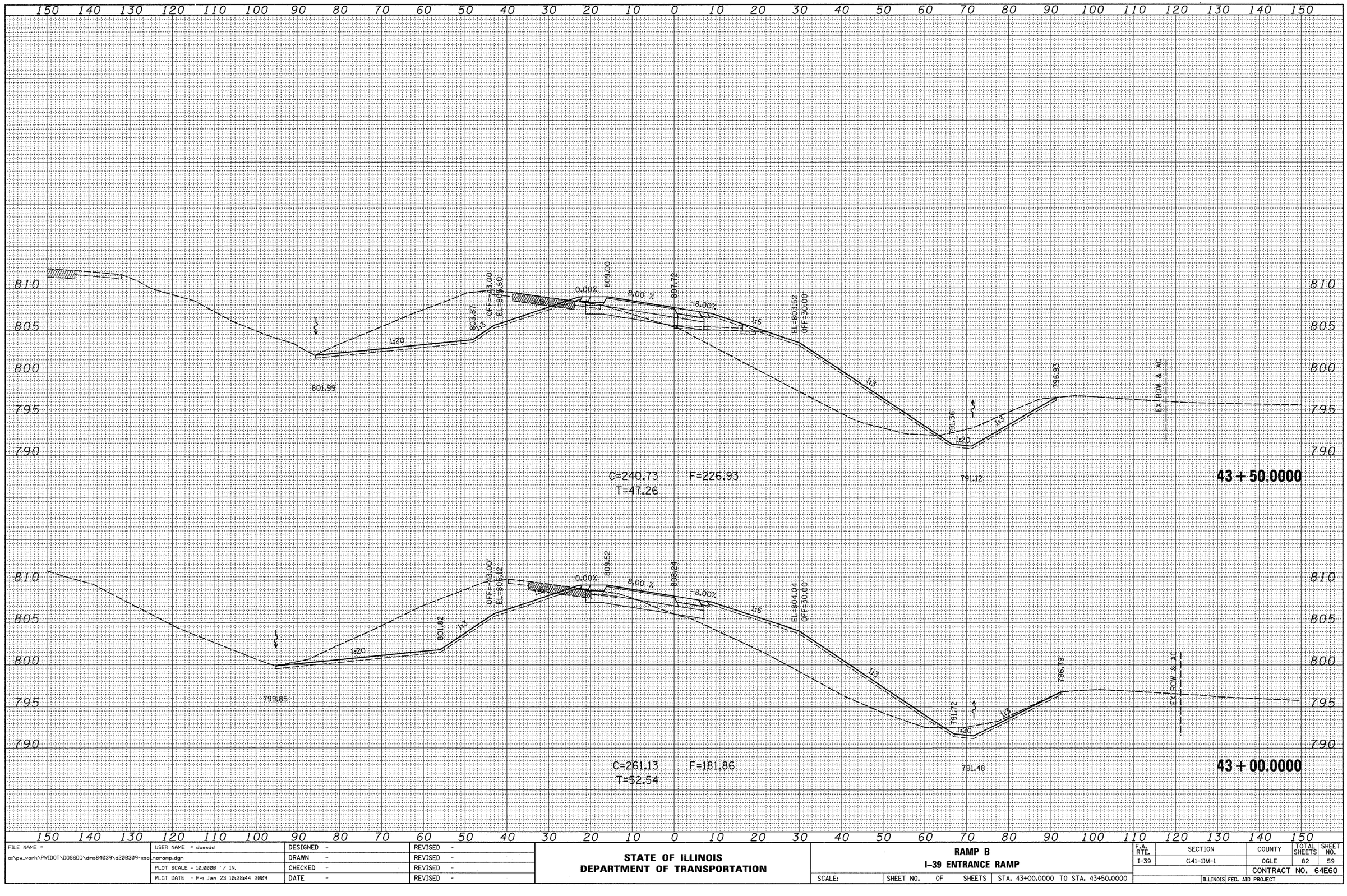
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 42+00.0000 TO STA. 42+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	58
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

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

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



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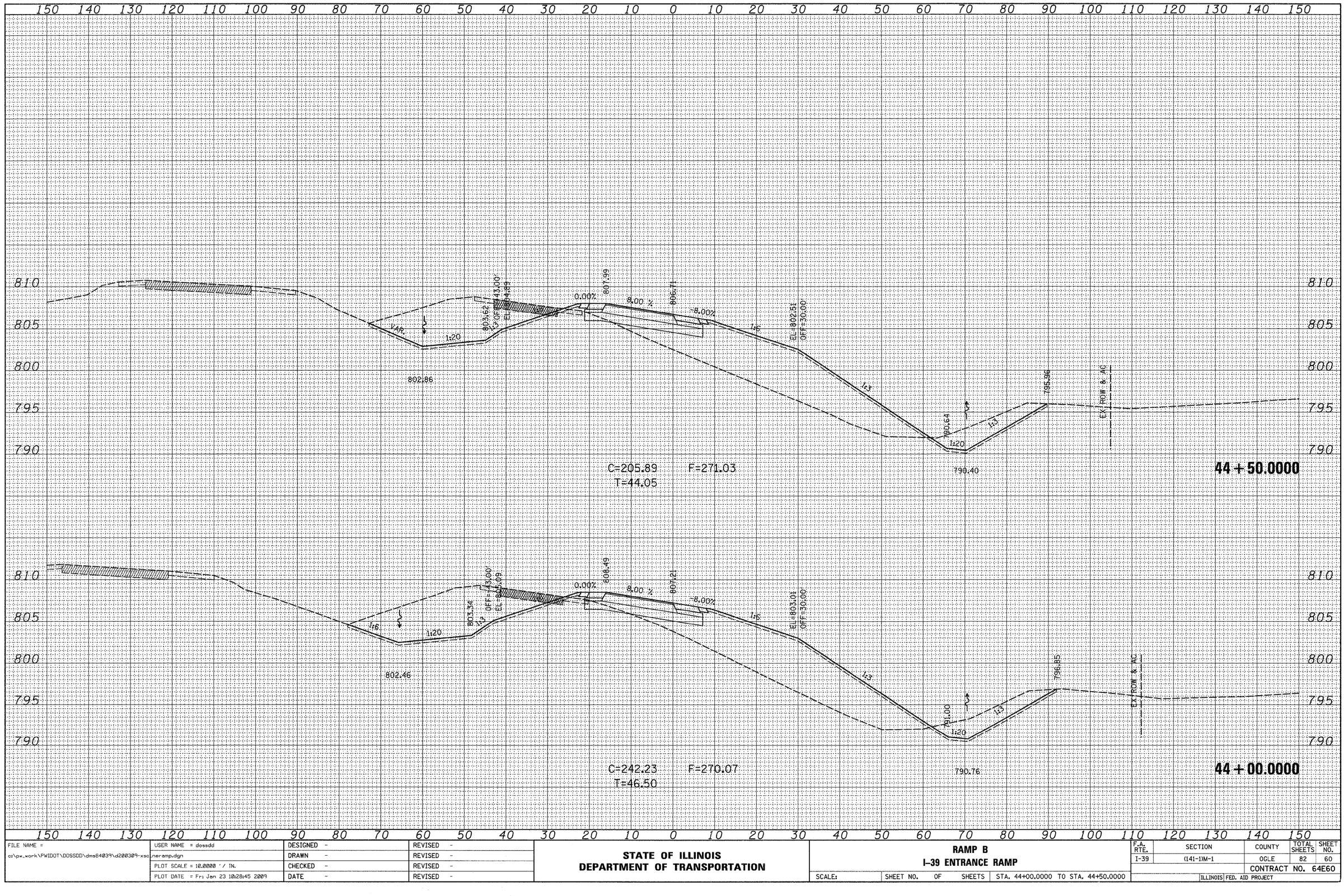
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 43+00.0000 TO STA. 43+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)IM-1	OGLE	82	59
		CONTRACT NO. 64E60		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = Fri Jan 23 10:28:45 2009	DATE -	REVISED -

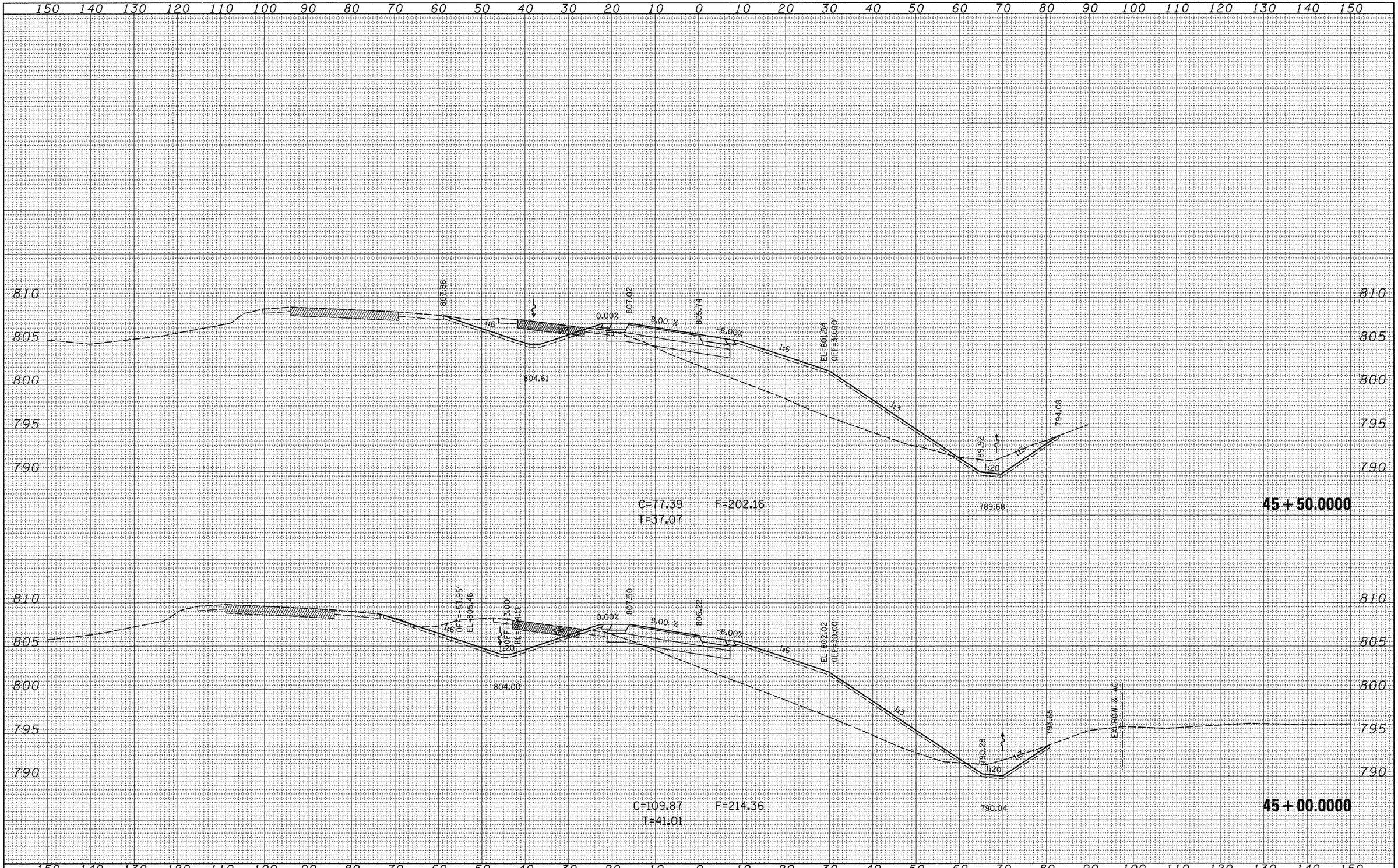
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 44+00.0000 TO STA. 44+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	60
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TYPED AS-BUILT		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TYPED AS-BUILT		
	AREAS		
	AREAS CHECKED		

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	PLOT DATE = Fri Jan 23 10:28:45 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

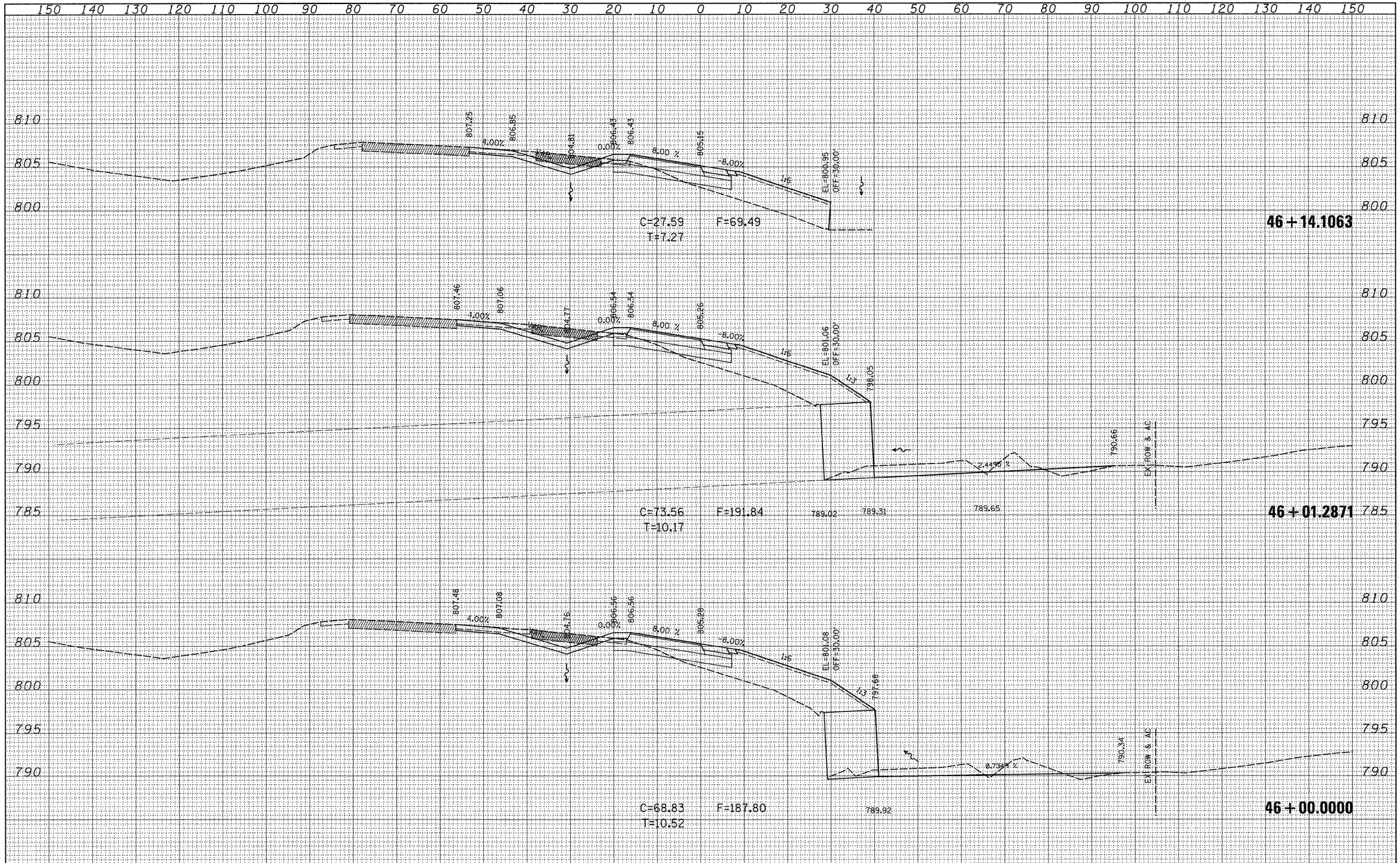
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 45+00.0000 TO STA. 45+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	61
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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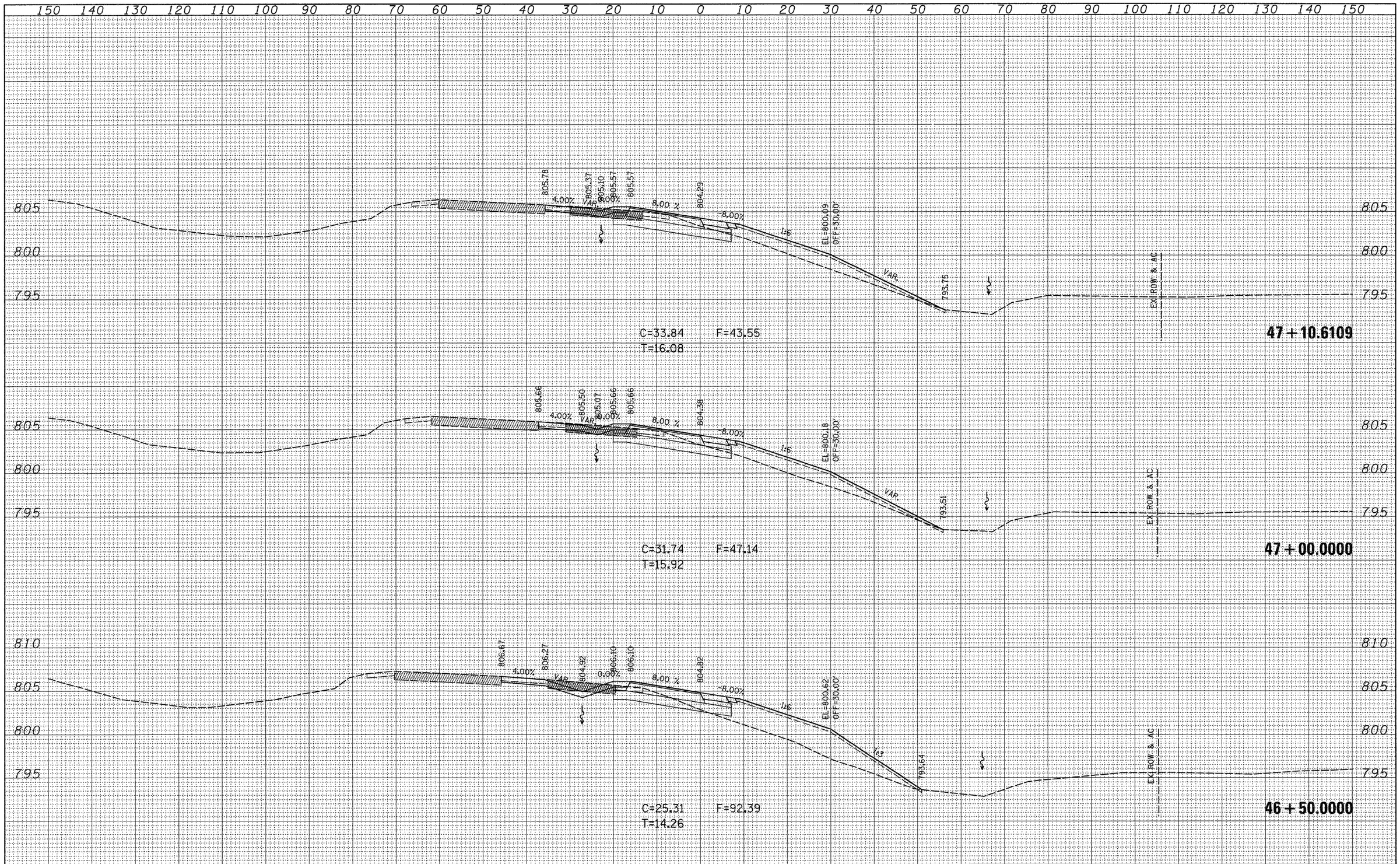
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 46+00.0000 TO STA. 46+14.1063

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	62
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

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



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

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 10:28:46 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 46+50.0000 TO STA. 47+10.6109

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	63
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

805
800
795
790

804.76
804.61
6.91 %
803.50
6.91%
1:6
EL=799.33
OFF=30.00'
VAR.
793.65
℄
EX. ROW & AC

C=50.86 F=17.13
T=16.24

48 + 00.0000

805.33
805.25
805.18
7.75 %
803.94
7.75%
1:6
EL=799.76
OFF=30.00'
VAR.
793.67
℄
EX. ROW & AC

C=53.66 F=29.59
T=16.12

47 + 50.0000

805.48
805.17
4 %
805.35
0 %
805.35
8.00 %
804.97
8.00%
1:6
EL=799.87
OFF=30.00'
VAR.
793.61
℄
EX. ROW & AC

C=54.09 F=25.36
T=16.14

47 + 35.0204

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 10:28:47 2009	DATE -	REVISED -

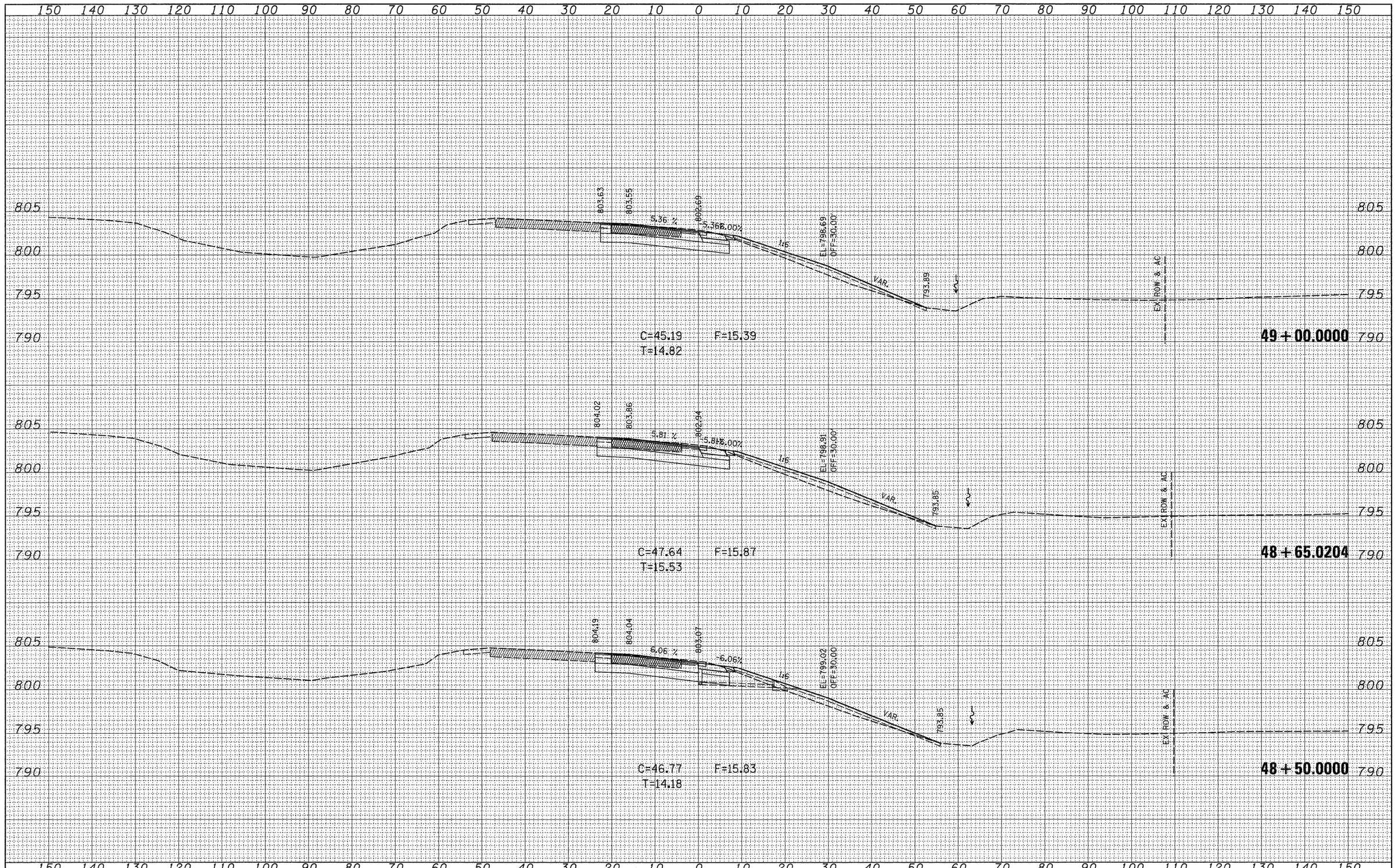
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 47+35.0204 TO STA. 48+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	64
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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



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

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	PLOT DATE = Fri Jan 23 10:28:47 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

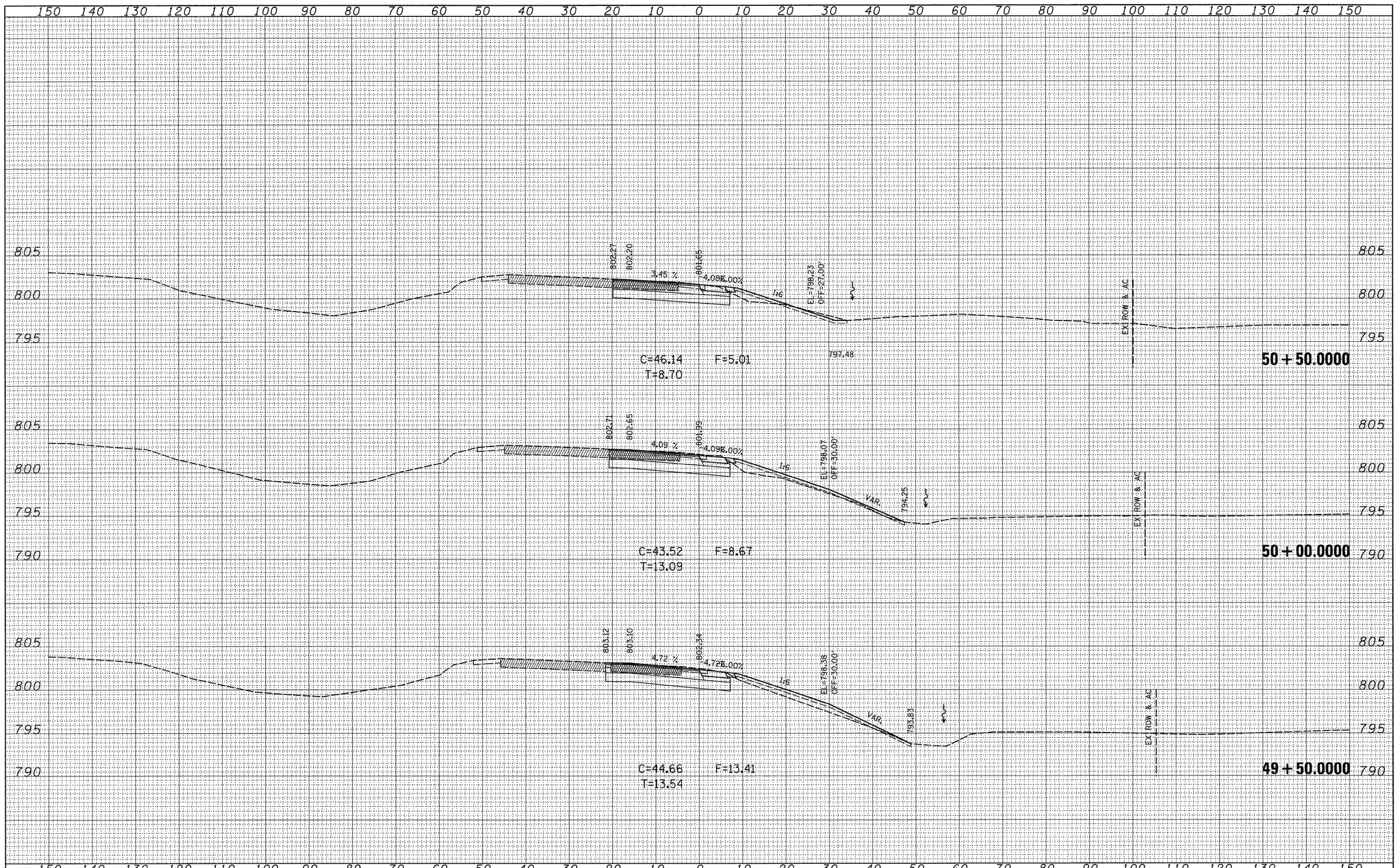
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 48+50.0000 TO STA. 49+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)IM-1	OGLE	82	65
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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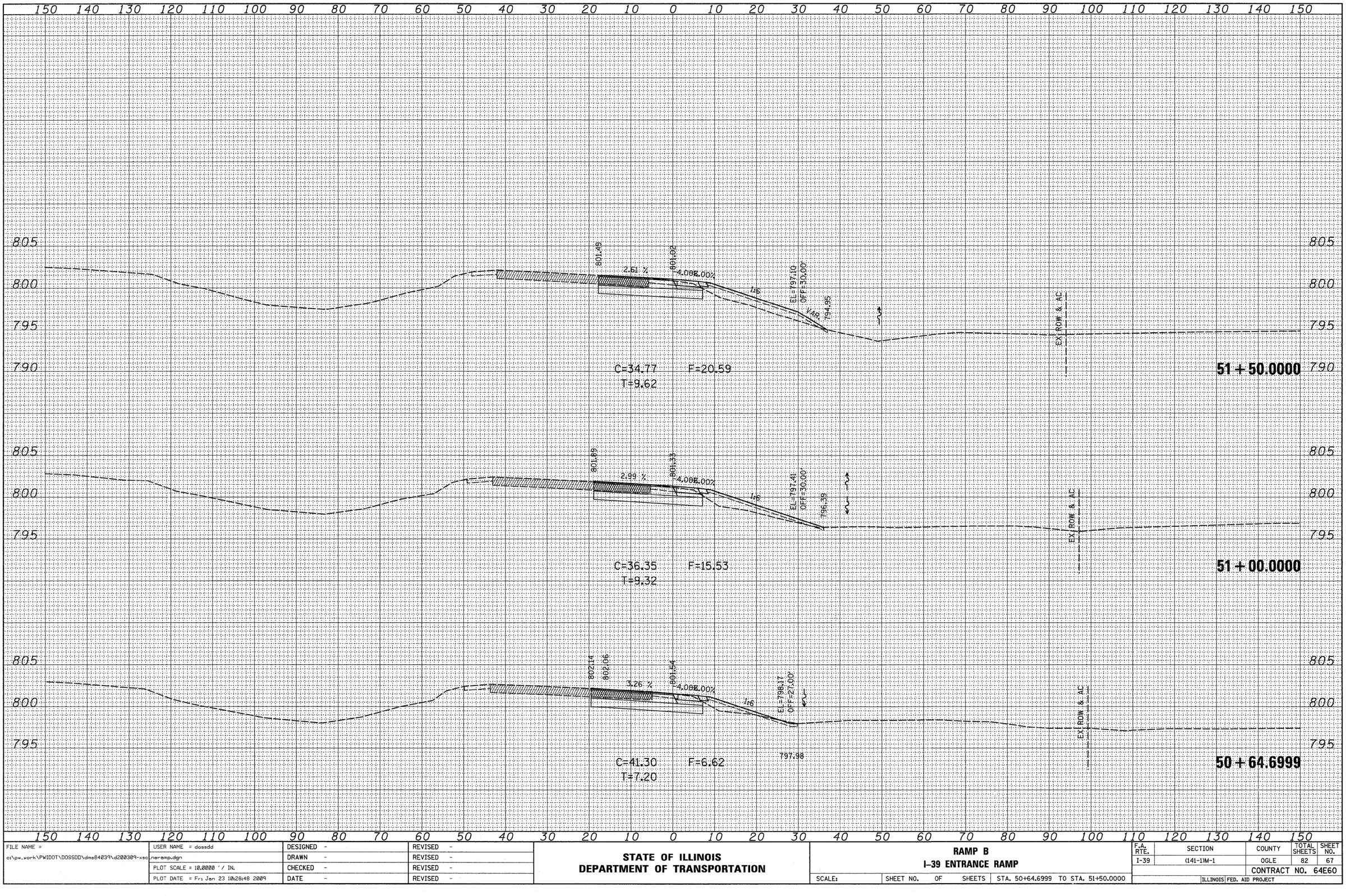
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 49+50.0000 TO STA. 50+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	66
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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



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

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jan 23 10:28:48 2009	DATE -	REVISED -

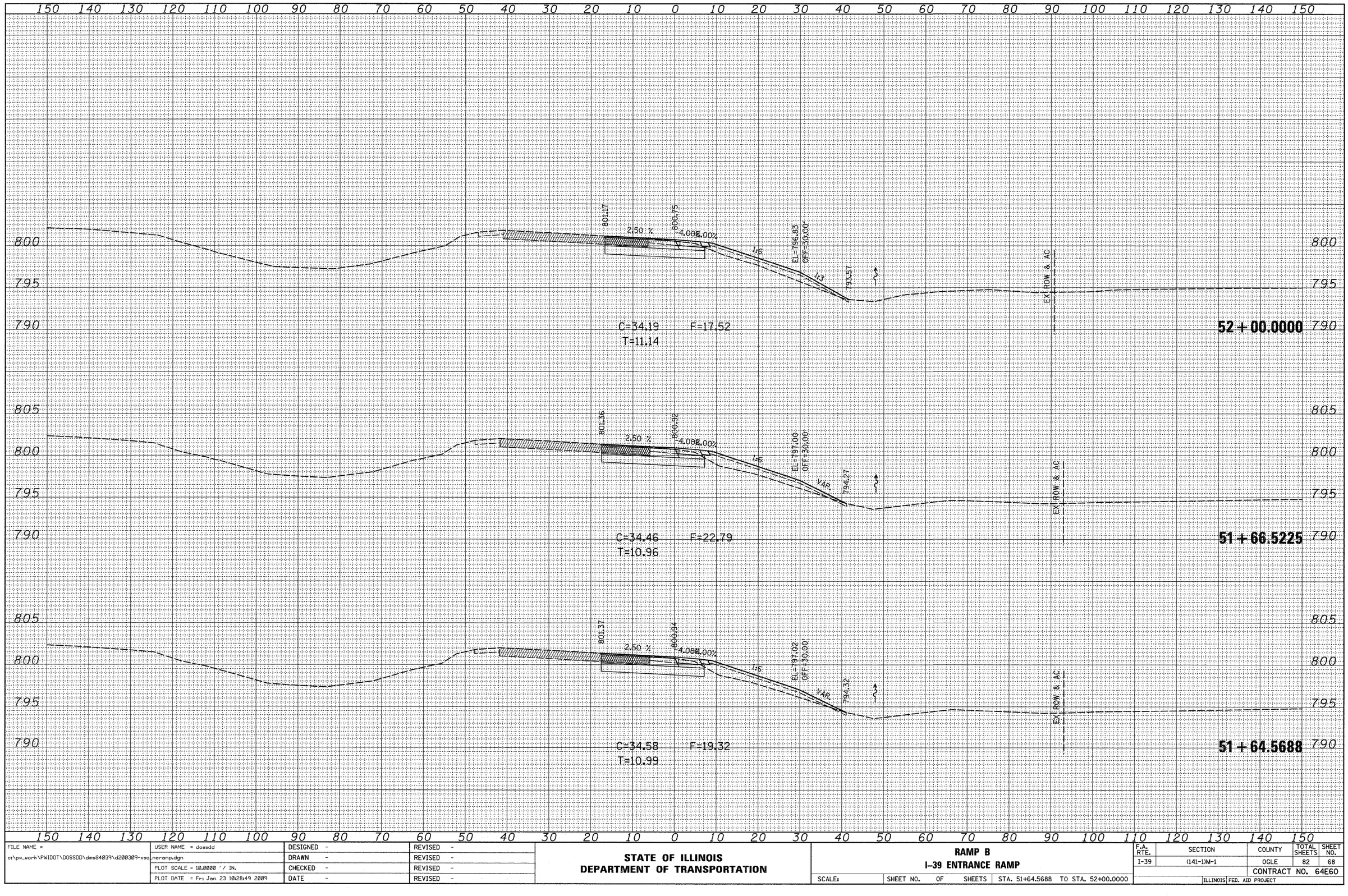
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 50+64.6999 TO STA. 51+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	67
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPING CHK'D	
	AREAS	
	AREAS CHECKED	



ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPING CHK'D	
	AREAS	
	AREAS CHECKED	

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	PLOT DATE = Fri Jan 23 10:28:49 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

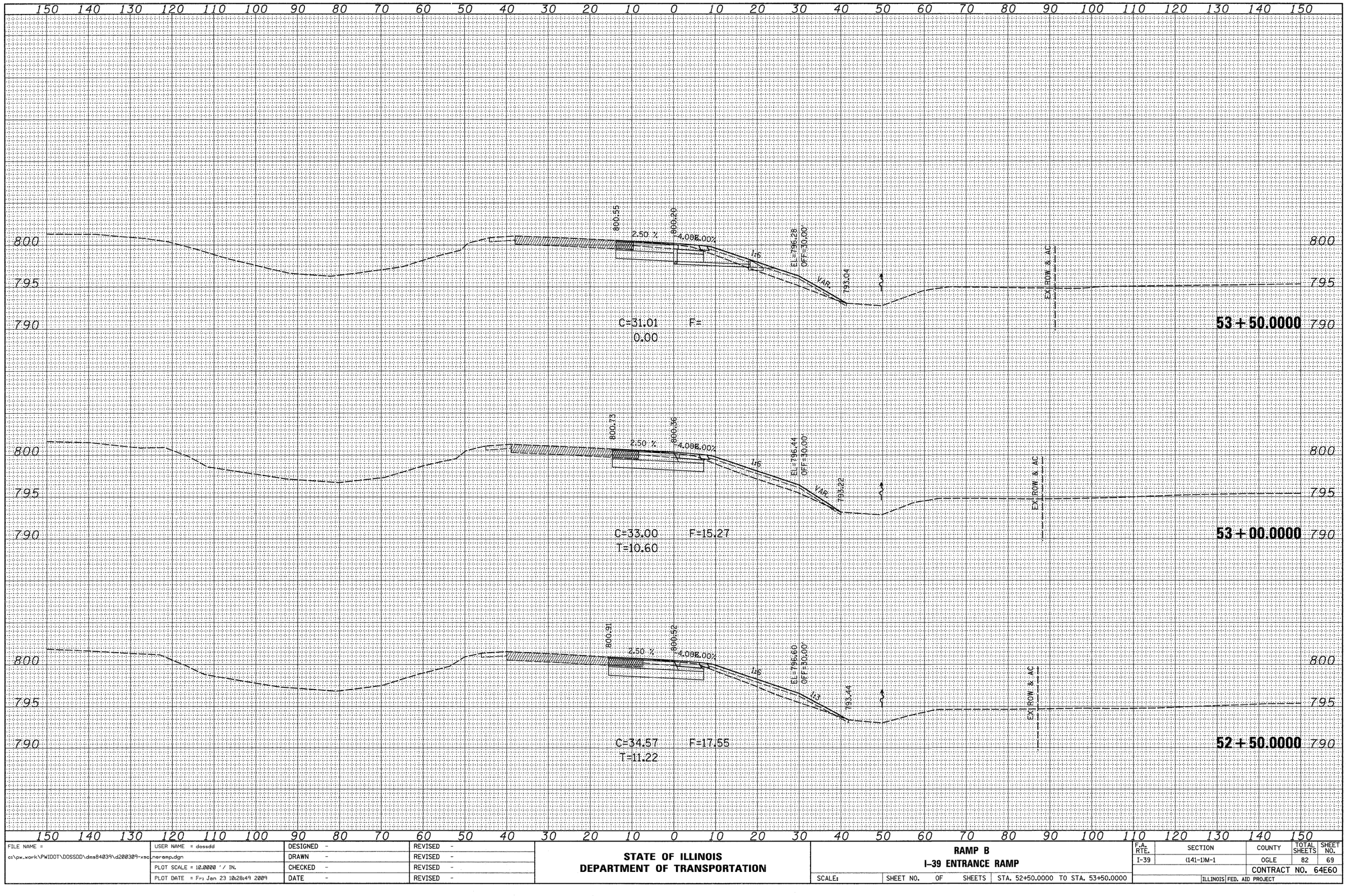
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 51+64.5688 TO STA. 52+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	68
		CONTRACT NO. 64E60		
		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	FIELD ALT. AREAS		
	FINAL ALT. AREAS CHECKED		



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	PLOT DATE = Fri Jan 23 10:28:49 2009	DATE -	REVISED -

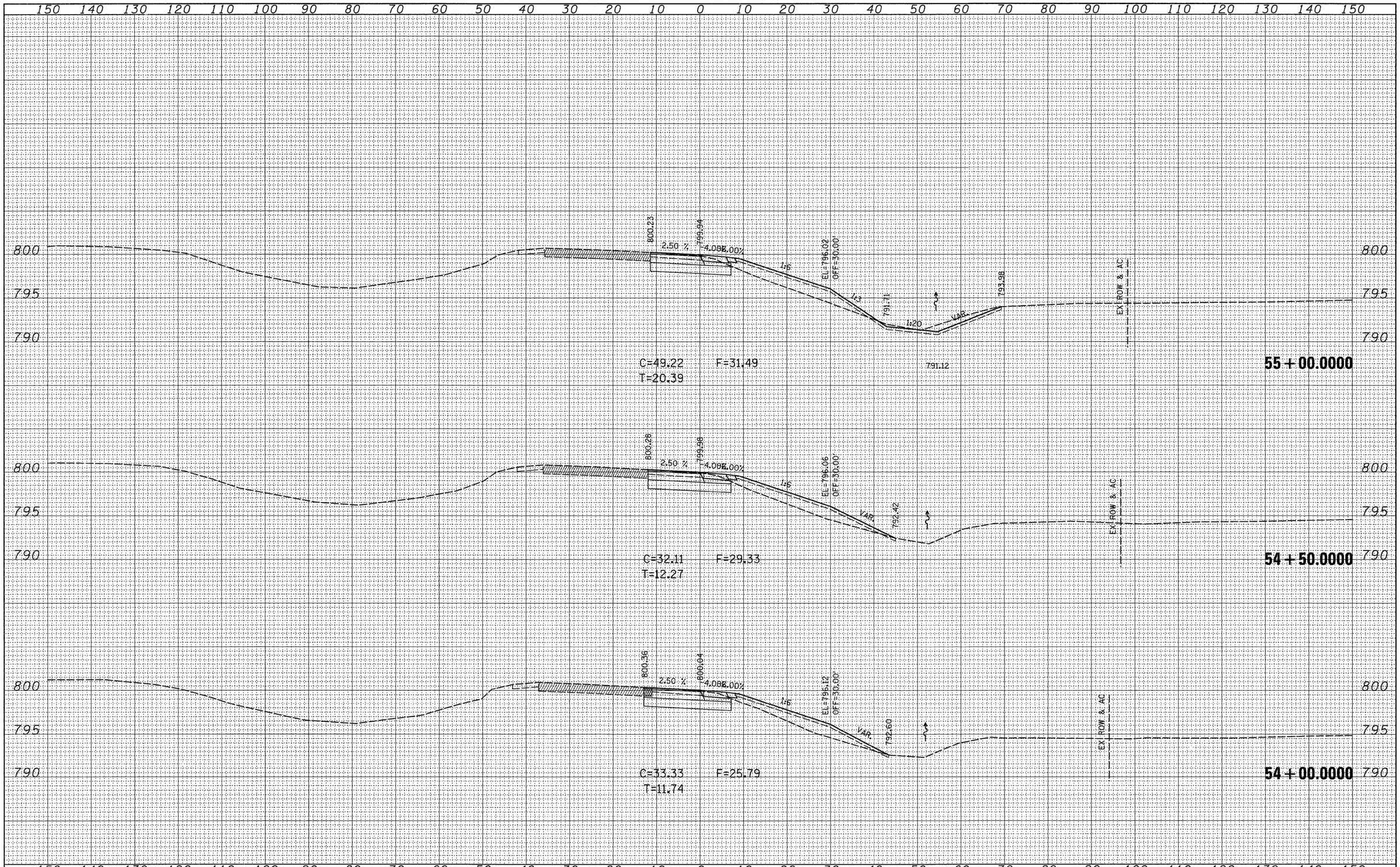
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 52+50.0000 TO STA. 53+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	69
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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



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

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	PLOT DATE = Fri Jan 23 10:28:49 2009	DATE -	REVISED -

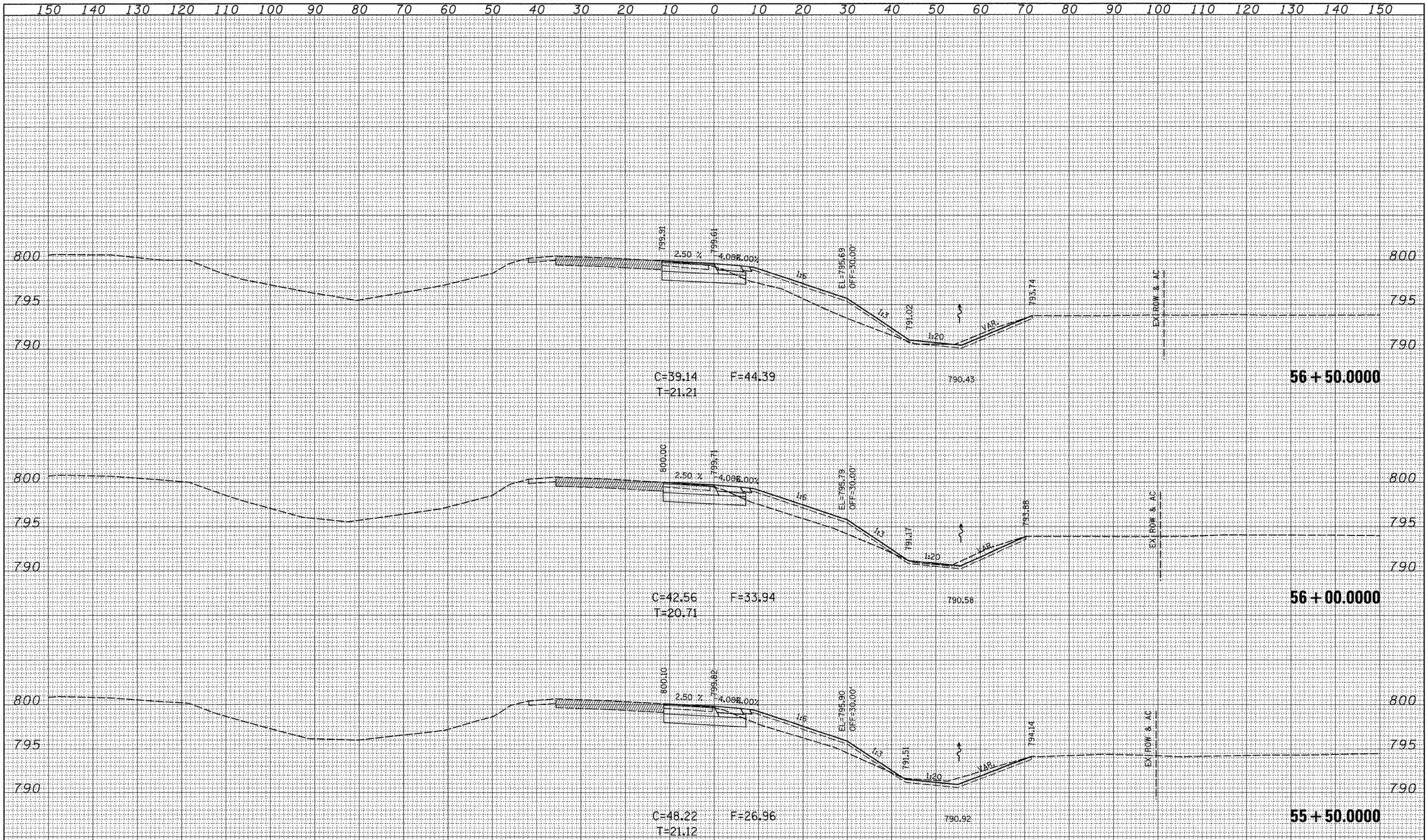
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 54+00.0000 TO STA. 55+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	70
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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



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

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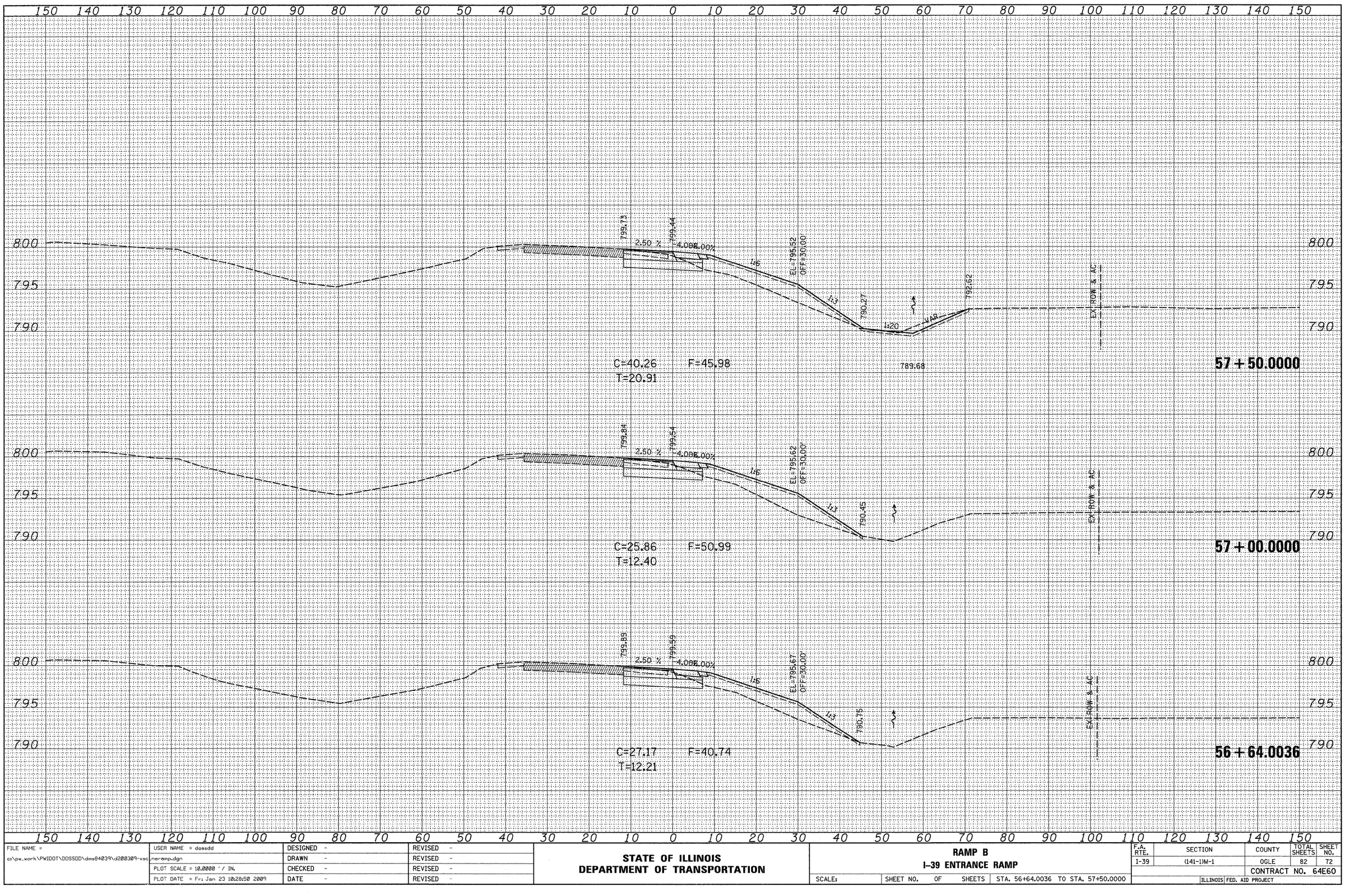
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 55+50.0000 TO STA. 56+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	71
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = c:\pw_work\PWIDOT\DOSSDD\dms84039\d2003O9-xsc_neramp.dgn	USER NAME = dossdd	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

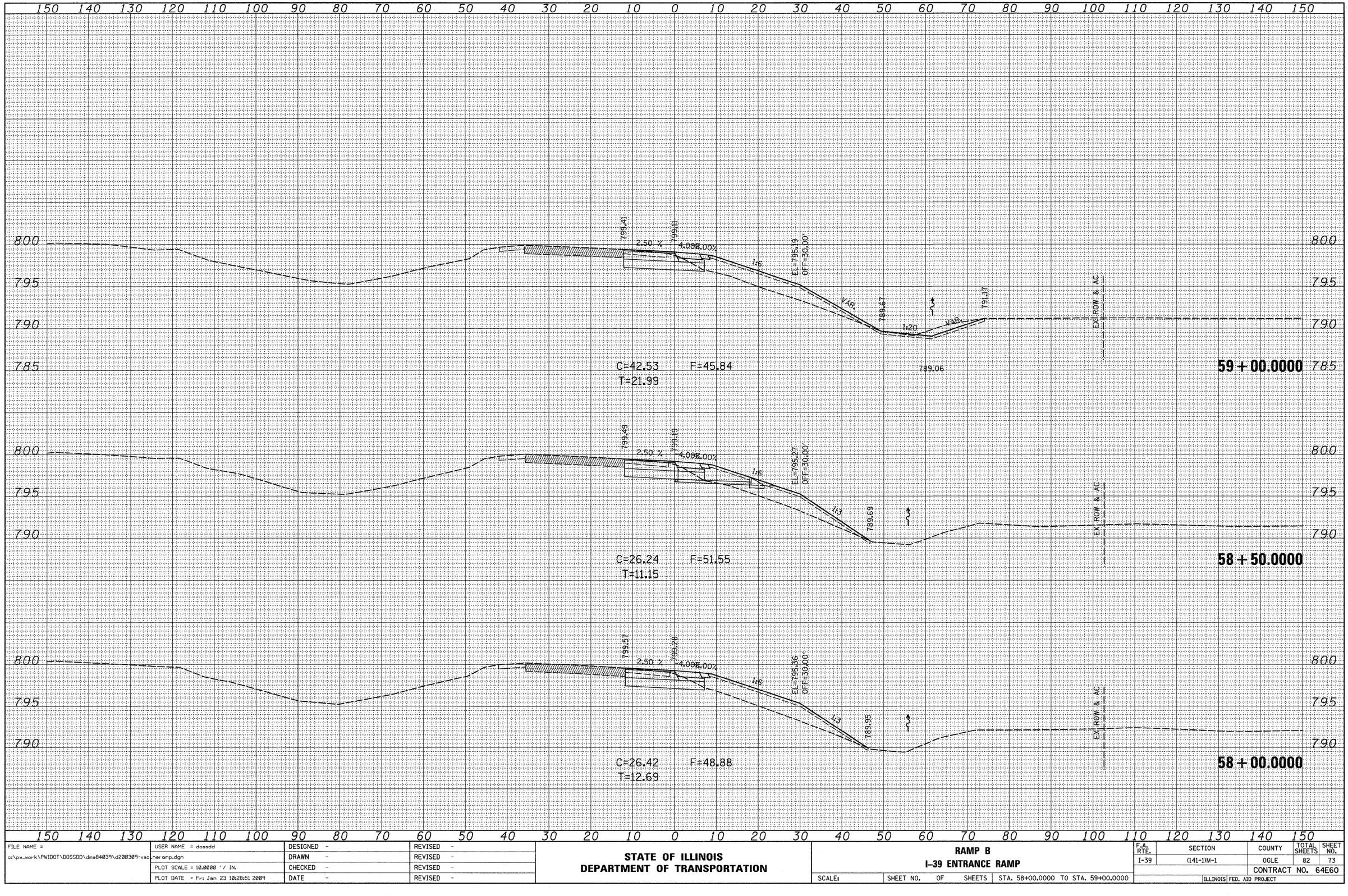
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 56+64.0036 TO STA. 57+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	72
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jan 23 10:28:51 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

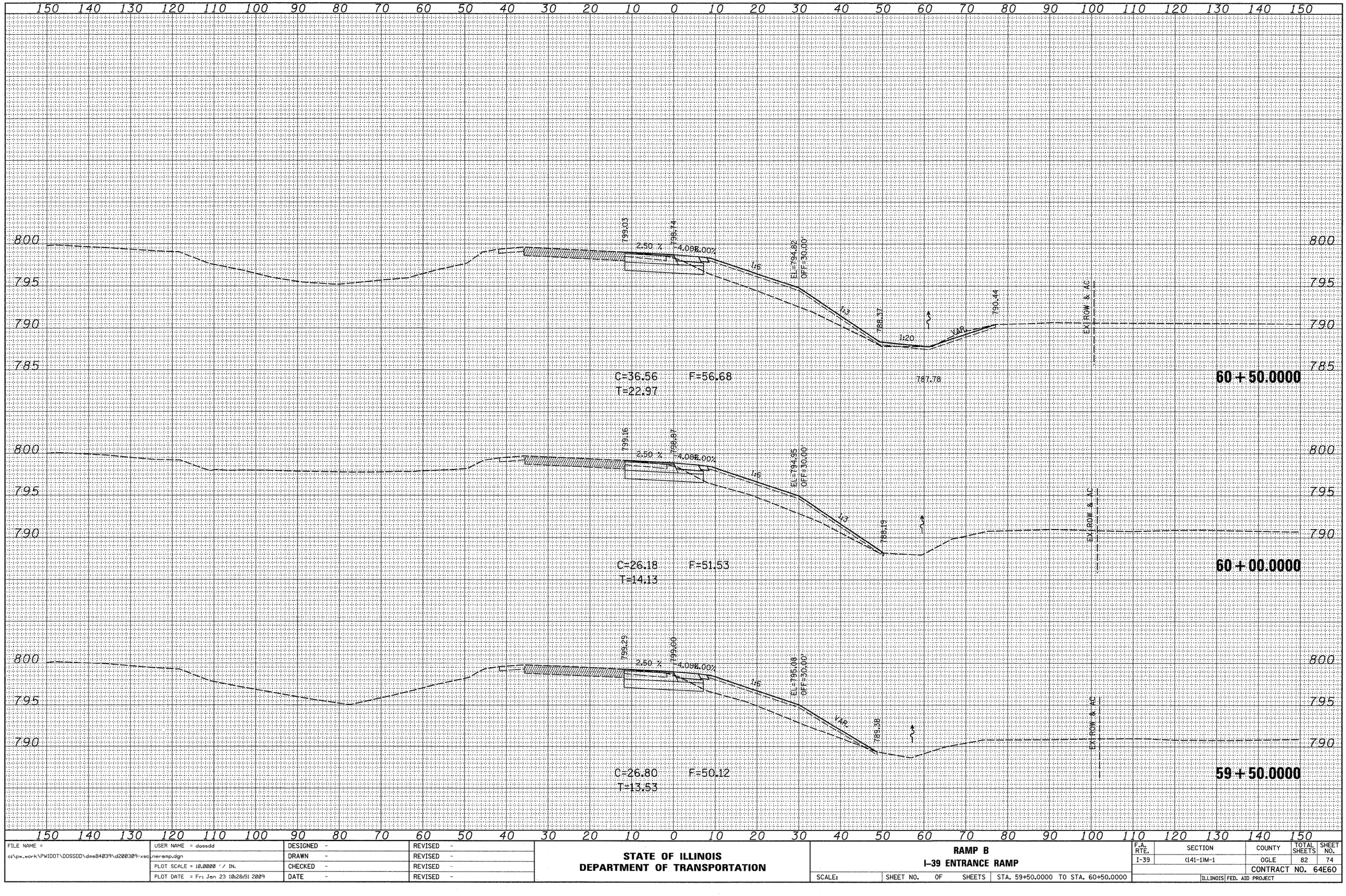
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 58+00.0000 TO STA. 59+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	73
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jan 23 10:28:51 2009	DATE -	REVISED -

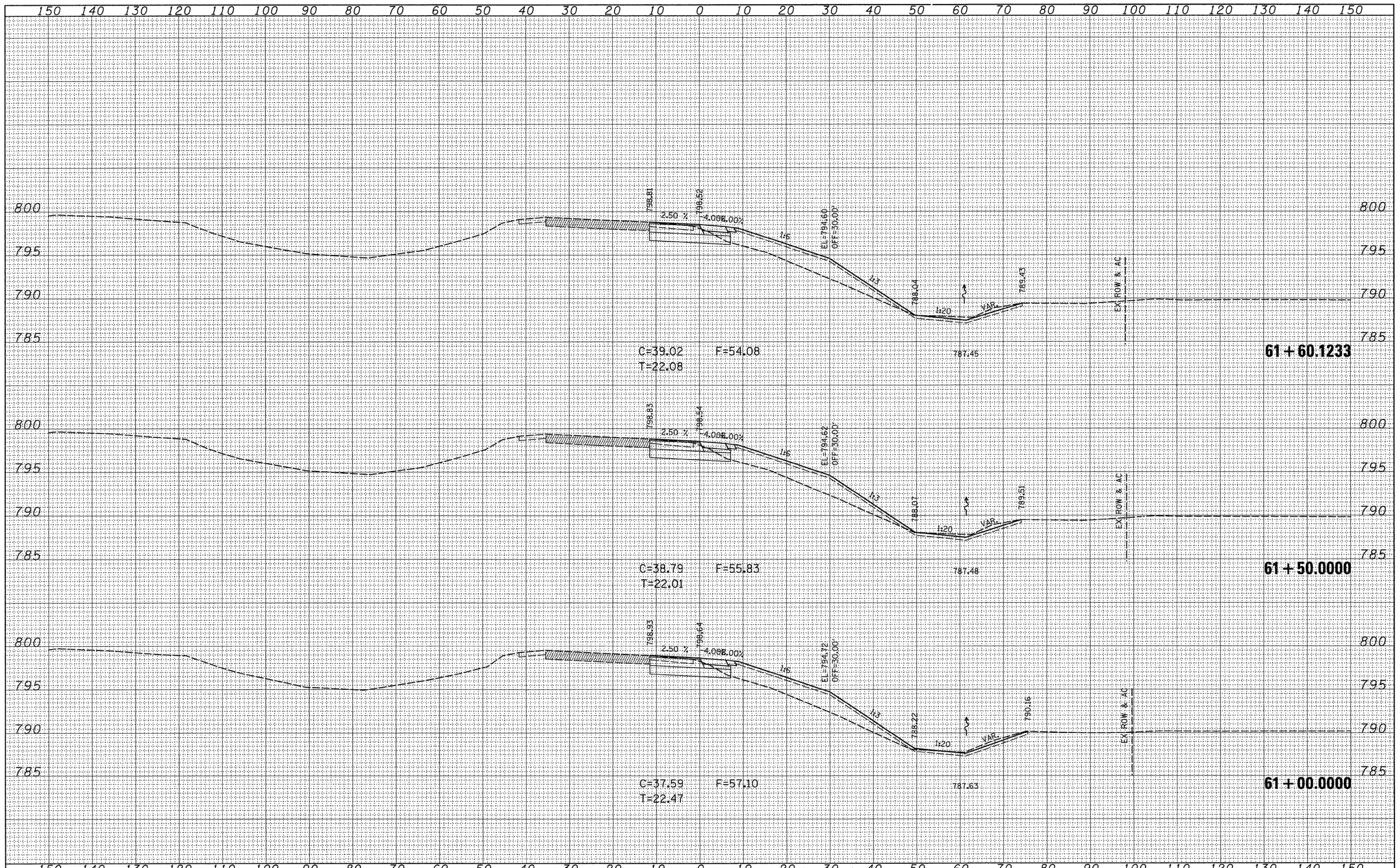
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 59+50.0000 TO STA. 60+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	74
		CONTRACT NO. 64E60		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TYPED & CK'D		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TYPED & CK'D		
	AREAS		
NO.	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 61+00.0000 TO STA. 61+60.1233

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	75
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

8.00 7.95 7.90 7.85

798.47 798.18 2.50 % 4.00% 2.00% 1:6 EL=794.26 OFF=30.00' VAR 787.85 1:3 EX. ROW & AC

C=26.65 T=14.87 F=43.35

63 + 00.0000

798.61 798.32 2.50 % 4.00% 2.00% 1:6 EL=794.40 OFF=30.00' 1:3 787.85 1:3 EX. ROW & AC

C=25.27 T=13.83 F=46.57

62 + 50.0000

798.74 798.45 2.50 % 4.00% 2.00% 1:6 EL=794.53 OFF=30.00' 1:3 787.85 1:20 VAR 789.30 EX. ROW & AC

C=37.36 T=22.77 F=50.84

787.36

62 + 00.0000

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = c:\pw_work\PWIDOT\DOSSDD\dms84039\d200309-xsc_neramp.dgn	USER NAME = dossdd	DESIGNED -	REVISED -
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	PLOT DATE = Fri Jan 23 10:28:52 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

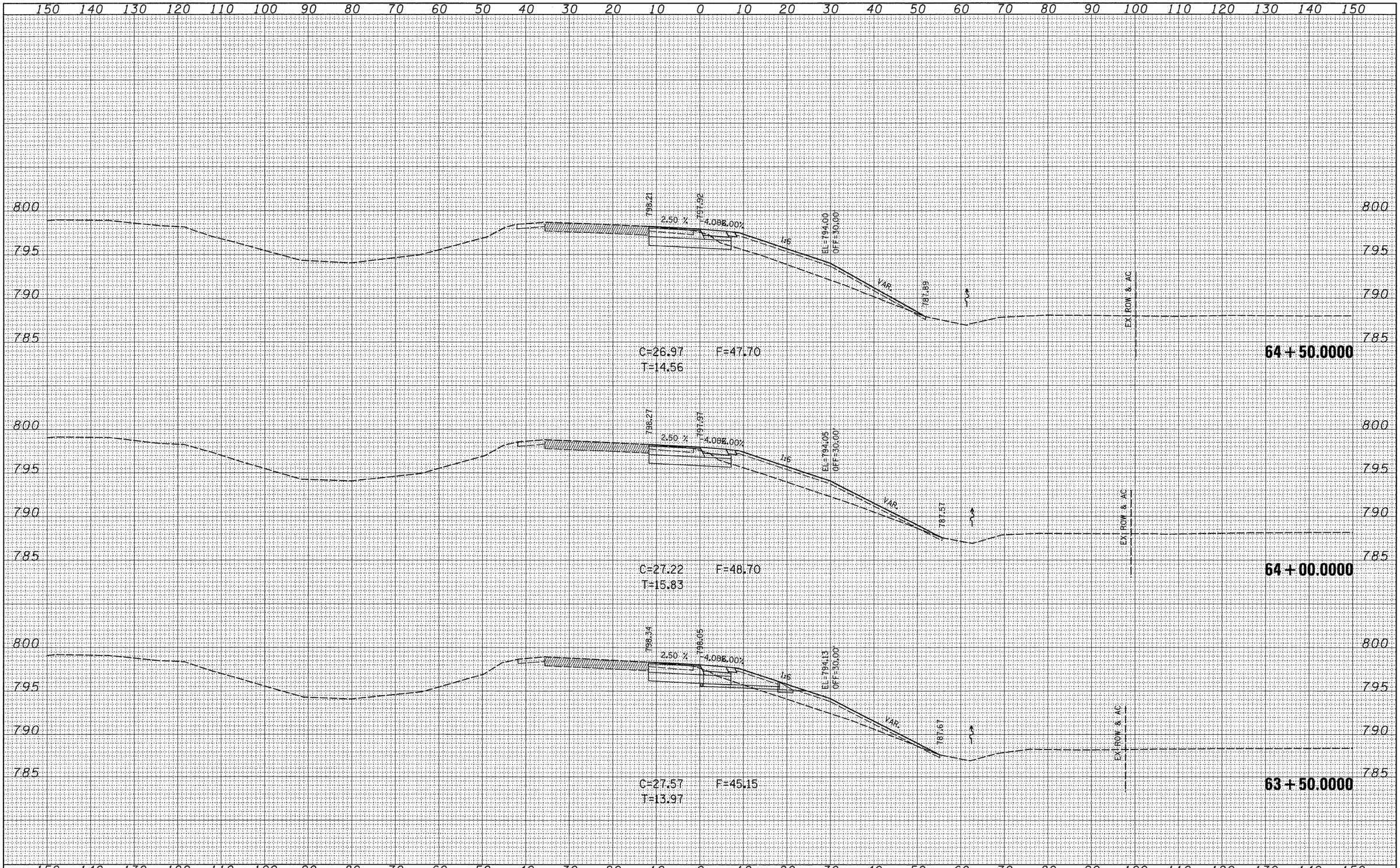
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 62+00.0000 TO STA. 63+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	76
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 10:28:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

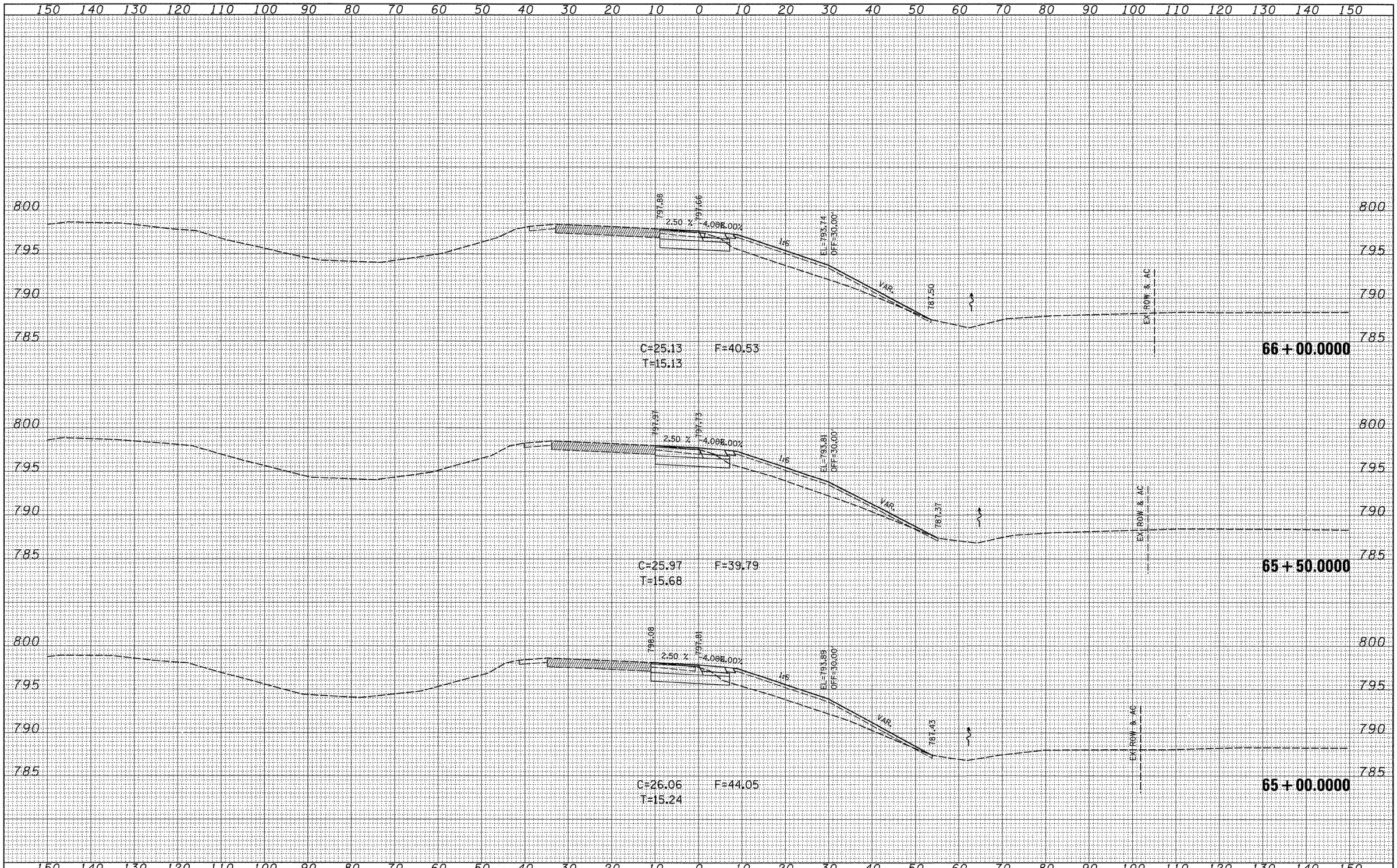
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 63+50.0000 TO STA. 64+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	77
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jan 23 10:28:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 65+00.0000 TO STA. 66+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	78
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

8.00 7.95 7.90 7.85

797.54 2.50 % -4.00% -6.00% 1:6 EL=793.49 OFF=30.00' VAR. 781.75 EX. ROW & AC

C=24.11 F=12.62
T=15.56

67+50.0000

797.74 2.50 % -4.00% -6.00% 1:6 EL=793.64 OFF=30.00' VAR. 787.18 EX. ROW & AC

C=22.82 F=29.92
T=16.06

67+00.0000

797.80 2.50 % -4.00% -6.00% 1:6 EL=793.68 OFF=30.00' VAR. 787.13 EX. ROW & AC

C=24.64 F=30.70
T=15.27

66+50.0000

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 10:28:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 66+50.0000 TO STA. 67+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	79
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

805 800 795 790 785

797.27
2.50 797.19
4.00%
2.00%
1:6
EL=793.27
OFF=30.00'
VAR.
786.30
EX. ROW & AC
C=16.66 F=54.57
T=14.26
69+00.0000

797.27
2.50 797.11
4.00%
2.00%
1:6
EL=793.25
OFF=30.00'
VAR.
789.12
EX. ROW & AC
C=20.12 F=7.55
T=13.18
68+50.0000

797.41
2.50 797.28
4.00%
2.00%
1:6
EL=793.36
OFF=30.00'
VAR.
789.44
EX. ROW & AC
C=20.70 F=10.76
T=13.72
68+00.0000

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	PLOT DATE = Fri Jan 23 10:28:54 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

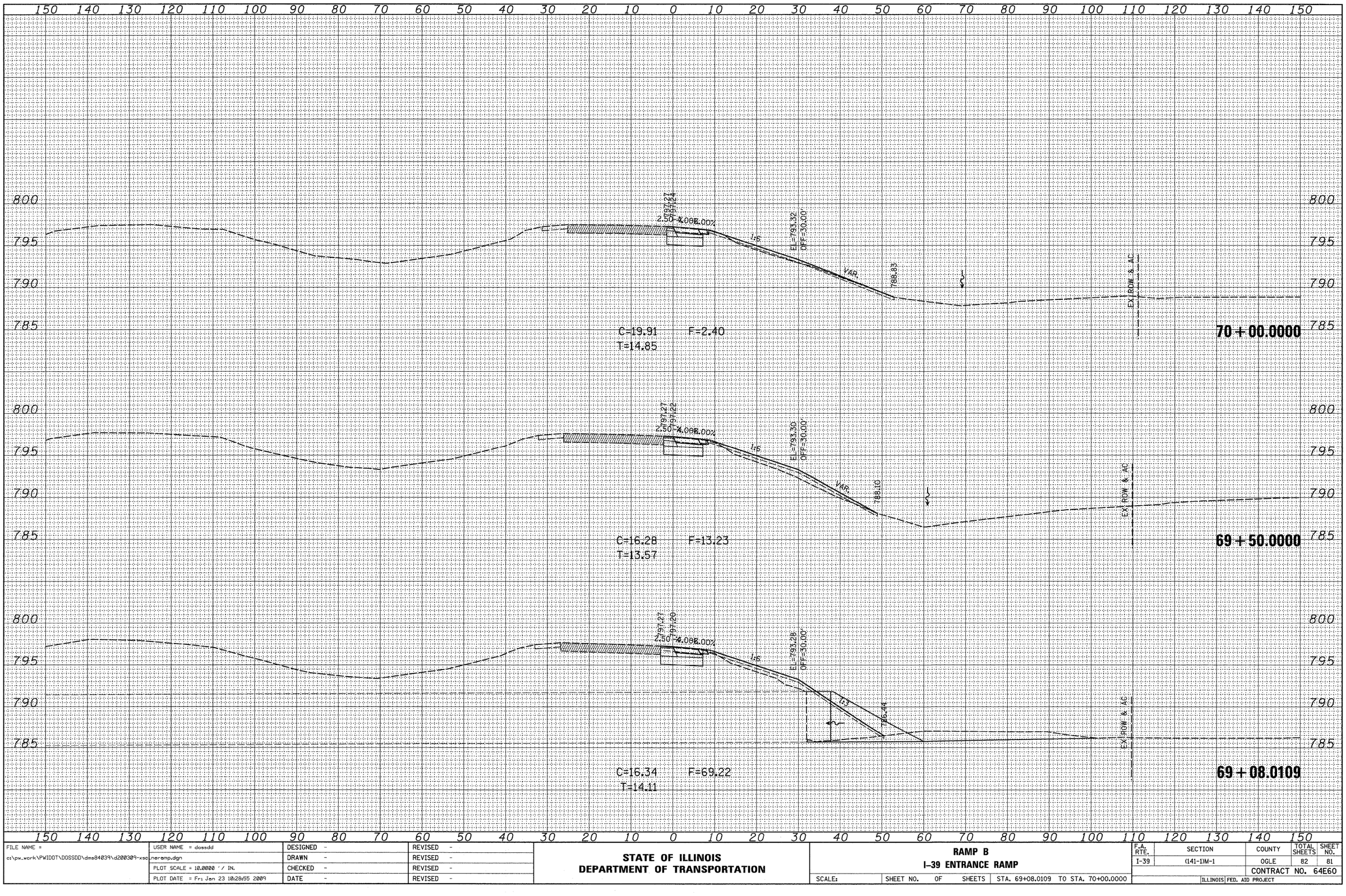
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 68+00.0000 TO STA. 69+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	80
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TOPO ADJ.		
AREAS		
AREAS	CHECKED	



ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TOPO ADJ.		
AREAS		
AREAS	CHECKED	

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	PLOT DATE = Fri Jan 23 10:28:55 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

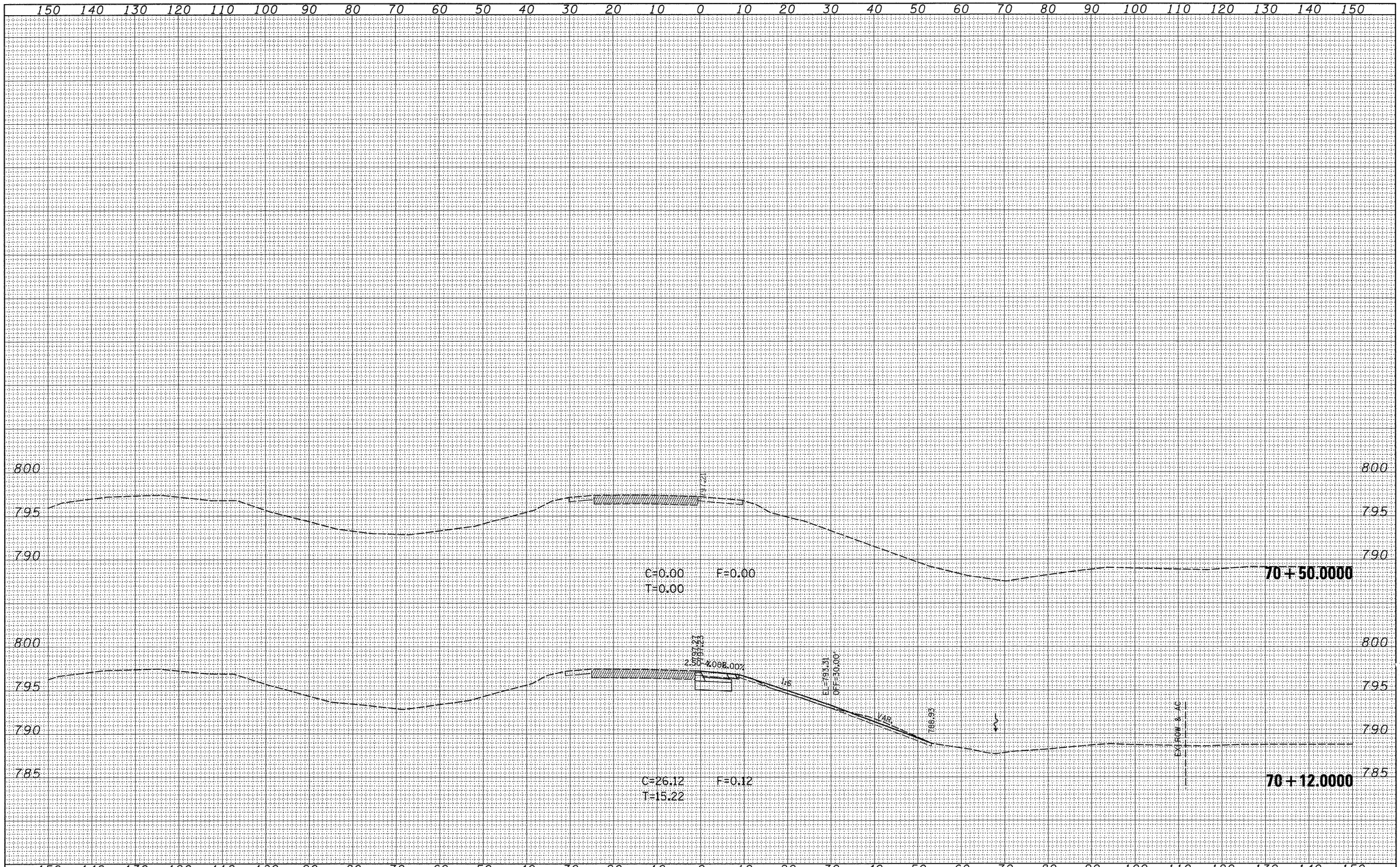
RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 69+08.0109 TO STA. 70+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)IM-1	OGLE	82	81
		CONTRACT NO. 64E60		
	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = dossdd	DESIGNED -	REVISED -
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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jan 23 10:28:55 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
I-39 ENTRANCE RAMP

SCALE: | SHEET NO. OF SHEETS | STA. 70+12.0000 TO STA. 70+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-39	(141-1)M-1	OGLE	82	82
		CONTRACT NO. 64E60		
	ILLINOIS FED. AID PROJECT			