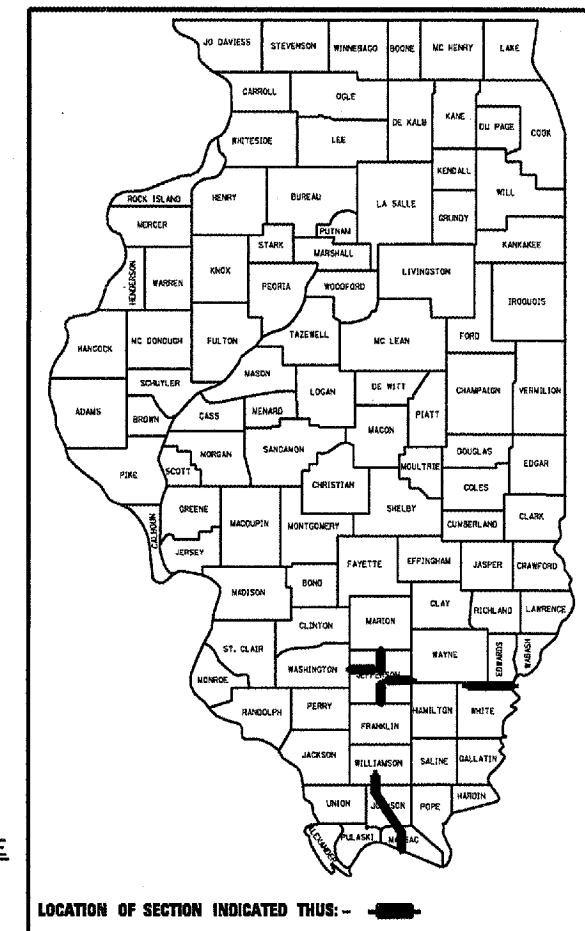


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	1

* D-9 SAFETY FY 08-2

D-99-009-07



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
INTERSTATE HIGHWAY PLANS**

F.A.I. ROUTE 57, 24, 64
SECTION D-9 SAFETY FY 08-2
PROJECT NO: ACHSIP-0005(584)
VARIOUS COUNTIES
C-99-026-08

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4 - 7	SCHEDULES OF QUANTITIES
8	PIER IMPROVEMENTS AT SN 044-0033
9	PIER IMPROVEMENTS AT SN 044-0035 AND SN 044-0036
10	PIER IMPROVEMENTS AT SN 064-0013
11	PIER IMPROVEMENTS AT SN 064-0016 AND SN 064-0019
12	PIER IMPROVEMENTS AT SN 064-0022
13	DETAIL OF SLOPES FOR ATTENUATOR BASE
14	DETAIL OF PIER IMPROVEMENTS AT SN 044-0033
15	DETAIL OF PIER IMPROVEMENTS AT SN 044-0035
16	DETAIL OF PIER IMPROVEMENTS AT SN 044-0036
17	DETAIL OF PIER IMPROVEMENTS AT SN 064-0022
	HIGHWAY STANDARDS

NB & SB SHOULDER RUMBLE STRIP
ENDS JEFFERSON / MARION CO LINE
I-57 MILEPOST 106.00

NB & SB SHOULDER RUMBLE STRIP
BEGINS I-57 MILEPOST 96.59

NB & SB SHOULDER RUMBLE STRIP
ENDS I-64 MILEPOST 92.00

NB & SB SHOULDER RUMBLE STRIP
FRANKLIN / JEFFERSON CO LINE
BEGINS I-57 MILEPOST 80.65

CENTER PIER PROTECTION
5 LOCATIONS IN JOHNSON COUNTY
SN 044-0033, 0035, 0036

NB & SB SHOULDER RUMBLE STRIP
JOHNSON / MASSAC CO LINE
BEGINS I-24 MILEPOST 23.64

EB & WB SHOULDER RUMBLE STRIP
BEGINS I-64 MILEPOST 78.50

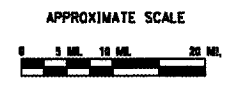
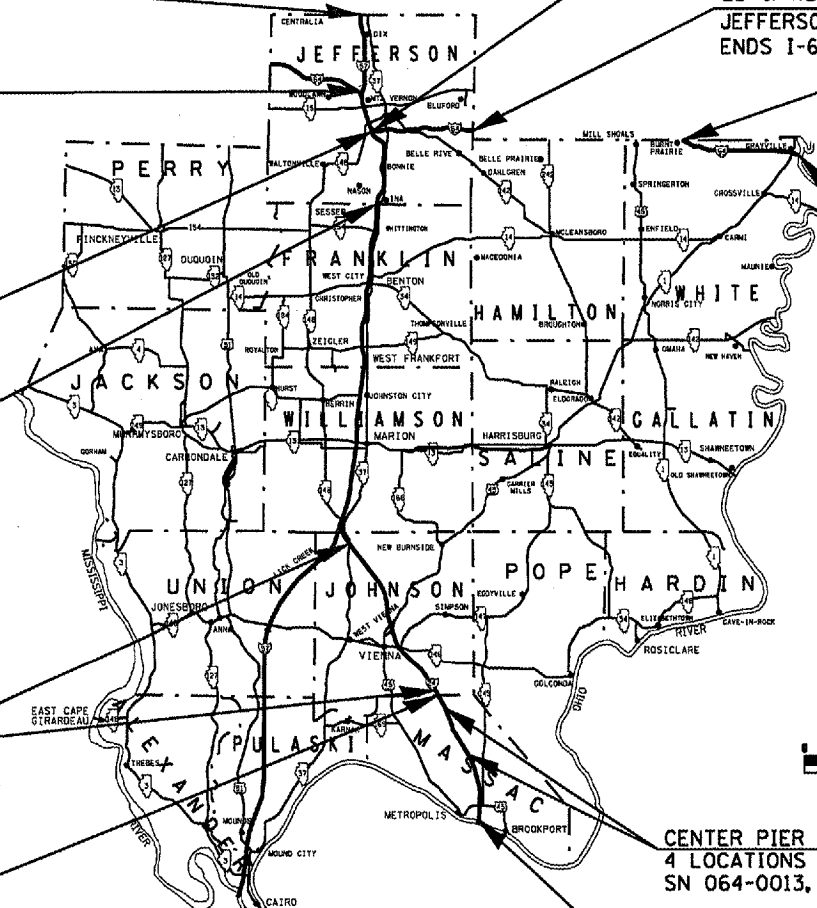
EB & WB SHOULDER RUMBLE STRIP
JEFFERSON / HAMILTON CO LINE
ENDS I-64 MILEPOST 90.90

EB & WB SHOULDER RUMBLE STRIP
STRIP BEGINS
WAYNE / WHITE CO LINE
I-64 MILEPOST 116.03

EB & WB SHOULDER RUMBLE STRIP
STRIP ENDS
WABASH RIVER BRIDGE
I-64 MILEPOST 130.55

CENTER PIER PROTECTION
4 LOCATIONS IN MASSAC CO.
SN 064-0013, 0016, 0019, 0022

NB & SB SHOULDER RUMBLE STRIP
ENDS OHIO RIVER BRIDGE
I-24 MILEPOST 38.43

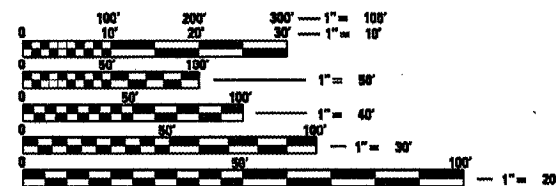


SHOULDER RUMBLE STRIP

JEFFERSON COUNTY
WHITE COUNTY
MASSAC COUNTY

CENTER PIER PROTECTION

JOHNSON COUNTY
MASSAC COUNTY
7 LOCATIONS



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 www.julie1call.com

CONTRACT NO. 78045

GROSS LENGTH OF PROJECT = 457881.600 FEET

NET LENGTH OF PROJECT = 319039.000 FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1-28-08 20
Mar. C. Smith
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 21, 2008
Eric E. Harm
ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2008
Christie M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

PROJECT ENGINEER: CHARLES STEIN
DESIGNER: GEORGE SHEPARD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	2
STA. _____		TO STA. _____		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* D-9 SAFETY FY 08-2

GENERAL NOTES

EXISTING PIPE UNDERDRAIN OUTLETS AND DRAINAGE STRUCTURES IN THE MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16, THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.

TWO APPLICATIONS OF TEMPORARY EROSION CONTROL SEEDING HAVE BEEN INCLUDED. THE ACTUAL QUANTITY, LOCATIONS, AND APPLICATIONS SHALL BE AS DIRECTED BY THE ENGINEER. THE APPLICATION RATE SHALL BE AS PER ARTICLE 280.04(f).

REVISE THE FIRST SENTENCE OF ARTICLE 107.09 PUBLIC CONVENIENCE AND SAFETY TO THE FOLLOWING "THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 14 DAYS IN ADVANCE OF STARTING ANY CONSTRUCTION WORK. THIS ADDITIONAL INFORMATION IS REQUIRED SO THAT THE PUBLIC CAN BE NOTIFIED OF THE PENDING CONSTRUCTION."

HIGHWAY STANDARDS

280001-04
642001

701101-01
701106-01
701400-02

701426-02
701901

PLT DATE : 1/19/08
FILE NAME : I:\PROJECTS\78045\78045.dwg
PLT SCALE : 1/8"=1'-0"
USER NAME : jshapiro

Prepared By: *Joe Zdaniewicz*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *J. K. G.*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kevin Grammer*
DISTRICT OPERATIONS ENGINEER

Examined By: *Joseph Lynn*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce [unclear]*
DISTRICT MATERIALS ENGINEER

Examined By: *[unclear]*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Danny [unclear]*
ASSISTANT REGIONAL ENGINEER

Approved By: *Ma [unclear]*
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

DATE Jan 28 2008

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	3
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

* D-9 SAFETY FY 08-2

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	TOTAL QUANTITY	HSIP 90% FEDERAL / 10% STATE				
				JEFFERSON COUNTY I-57	JEFFERSON COUNTY I-64	JOHNSON COUNTY I-24	MASSAC COUNTY I-24	WHITE COUNTY I-64
				SFTY-2A	SFTY-2A	SFTY-3N	SFTY-2A	SFTY-2A
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	4.5	1.25	1.25	0.5	0.5	1
Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	14			6	8	
20400800	FURNISHED EXCAVATION	CU YD	1040			495	545	
25000350	SEEDING, CLASS 7	ACRE	0.7			0.3	0.4	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	112			48	64	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	84			36	48	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	84			36	48	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.4			0.6	0.8	
25001010	SEEDING, CLASS 2 (MODIFIED)	ACRE	0.7			0.3	0.4	
25100115	MULCH, METHOD 2	ACRE	1.4			0.6	0.8	
28000300	TEMPORARY DITCH CHECKS	EACH	7			3	4	
50300225	CONCRETE STRUCTURES	CU YD	17.4			13.3	4.1	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,714			1257	457	
64200105	SHOULDER RUMBLE STRIP	FOOT	1,271,956	428210	246,845		300,484	296,417
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	1	1	2	3	2
67100100	MOBILIZATION	L SUM	1	0.10	0.10	0.20	0.40	0.20

PLOT DATE: 1/22/2008
 FILE NAME: c:\projects\78045\78045.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: steph-dg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	4
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

* D-9 SAFETY FY 08-2

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION	SEEDING CLASS 2 (MODIFIED) ACRE	SEEDING CLASS 7 (TEMPORARY) ACRE	NITROGEN FERTILIZER NUTRIENTS		PHOSPHORUS FERTILIZER NUTRIENTS POUND	POTASSIUM FERTILIZER NUTRIENTS POUND	AGRICULTURAL GROUND LIMESTONE TON	MULCH METHOD 2 FOR CLASS 2 ACRE	MULCH METHOD 2 FOR CLASS 7 ACRE	TEMPORARY DITCH CHECKS EACH	
			CLASS 2 POUND	CLASS 7 POUND							
PIER PROTECTION											
JOHNSON COUNTY											
044-0033	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
044-0035	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
044-0036	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
COUNTY TOTAL		0.3	0.3	36	12	36	36	0.6	0.3	0.3	3
MASSAC COUNTY											
064-0013	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
064-0016	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
064-0019	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
064-0022	I-24	0.1	0.1	12	4	12	12	0.2	0.1	0.1	1
COUNTY TOTAL		0.4	0.4	48	16	48	48	0.8	0.4	0.4	4
TOTALS		0.7	0.7	84	28	84	84	1.4	0.7	0.7	7

PIER PROTECTION SCHEDULE

STRUCTURE NUMBER	ROUTE	MILE POST	STATION	COUNTY	SAND MODULE IMPACT ATTENUATOR	FURNISHED EXCAVATION	REINFORCEMENT BARS, EPOXY COATED	CONCRETE STRUCTURES
					EACH	CU YD	POUND	CU YD
044-0033	I-24	MP 3.55	226+34.36	JOHNSON	2	180.00	462	4.1
044-0035	I-24	MP 7.45	431+72.72	JOHNSON	2	155	376	4.3
044-0036	I-24	MP 8.90	508+10.00	JOHNSON	2	160	419	4.9
064-0013	I-24	MP 24.74	95+73.00	MASSAC	2	90		
064-0016	I-24	MP 26.80	204+27.00	MASSAC	2	305		
064-0019	I-24	MP 28.60	298+82.00	MASSAC	2	75.00		
064-0022	I-24	MP 30.80	417+88.45	MASSAC	2	75	457	4.1
TOTALS					14	1040	1714	17.4

PLOT DATE: 1/15/2008
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 USER NAME: jpharrell

RUMBLE STRIP SCHEDULE (JEFFERSON CO.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* D-9 SAFETY FY 08-2				

LOCATION MILEPOST TO MILEPOST	RUMBLE STRIP FOOT	REMARKS
JEFFERSON		
FAI 57		
SB LANES		
OUTSIDE SHOULDER		
MP 106.00 TO MP 103.48	13,306	Jefferson/Marion County Line at MP 106.00, Bridge & Dix Off Ramp MP 103.48 to 103.35
MP 103.35 TO MP 103.17	950	Dix On Ramp MP 103.17 to 102.94
MP 102.94 TO MP 96.59	33,528	I-64 Off Ramp MP 96.59, Omit everything between I-64 WB & EB
MP 92.00 TO MP 89.80	11,616	Bridge MP 89.80 to 89.74
MP 89.74 TO MP 89.25	2,587	Bridge MP 89.25 to 89.21
MP 89.21 TO MP 84.90	22,757	Bridge MP 84.90 to 84.87
MP 84.87 TO MP 82.95	10,138	Ina Off Ramp MP 82.95 to 82.80
MP 82.80 TO MP 82.50	1,584	Ina On Ramp MP 82.50 to 82.31
MP 82.31 TO MP 80.65	8,765	Franklin/Jefferson County Line at MP 80.65
MEDIAN SHOULDER		
MP 106.00 TO MP 103.48	13,306	Jefferson/Marion County Line at MP 106.00
MP 103.47 TO MP 96.59	36,326	Omit everything between I-64 WB & EB
MP 92.00 TO MP 89.80	11,616	Bridge MP 89.80 to 89.74
MP 89.74 TO MP 89.25	2,587	Bridge MP 89.25 to 89.21
MP 89.21 TO MP 84.90	22,757	Bridge MP 84.90 to 84.87
MP 84.87 TO MP 80.65	22,282	Franklin/Jefferson County Line at MP 80.65
NB LANES		
OUTSIDE SHOULDER		
MP 80.65 TO MP 82.31	8,765	Franklin/Jefferson County Line at MP 80.65
MP 82.50 TO MP 82.80	1,584	Ina On Ramp MP 82.50 to 82.31
MP 82.95 TO MP 84.87	10,138	Ina Off Ramp MP 82.95 to 82.80
MP 84.90 TO MP 89.21	22,757	Bridge MP 84.90 to 84.87
MP 89.25 TO MP 89.74	2,587	Bridge MP 89.25 to 89.21
MP 89.80 TO MP 92.00	11,616	Bridge MP 89.80 to 89.74
MP 96.59 TO MP 102.94	33,528	I-64 Off Ramp MP 96.59, Omit everything between I-64 WB & EB
MP 103.17 TO MP 103.35	950	Dix On Ramp MP 103.17 to 102.94
MP 103.48 TO MP 106.00	13,306	Jefferson/Marion County Line at MP 106.00, Bridge & Dix Off Ramp MP 103.48 to 103.35
MEDIAN SHOULDER		
MP 80.65 TO MP 84.87	22,282	Franklin/Jefferson County Line at MP 80.65
MP 84.90 TO MP 89.21	22,757	Bridge MP 84.90 to 84.87
MP 89.25 TO MP 89.74	2,587	Bridge MP 89.25 to 89.21
MP 89.80 TO MP 92.00	11,616	Bridge MP 89.80 to 89.74
MP 96.59 TO MP 103.47	36,326	Omit everything between I-64 WB & EB
MP 103.48 TO MP 106.00	13,306	Jefferson/Marion County Line at MP 106.00
FAI 64		
EB LANES		
OUTSIDE SHOULDER		
MP 78.50 TO MP 79.50	5,280	Interstate 57 MP 78.50, IL-37 Off Ramp MP 79.50 to 79.66
MP 79.66 TO MP 79.85	1,003	IL-37 On Ramp MP 79.85 to 79.95
MP 79.95 TO MP 80.12	898	Bridge MP 80.12 to 80.20
MP 80.20 TO MP 80.52	1,690	Bridge MP 80.52 to 80.60
MP 80.60 TO MP 82.48	9,926	Rest Area Off Ramp MP 82.48 to 82.60
MP 82.60 TO MP 82.91	1,637	Rest Area On Ramp MP 82.91 to 83.15
MP 83.15 TO MP 84.37	6,442	Bridge MP 84.37 to 84.40
MP 84.40 TO MP 88.40	21,120	Belle Rive Off Ramp MP 88.40 to 88.59
MP 88.59 TO MP 88.80	1,109	Bridge MP 88.80 to 88.84
MP 88.84 TO MP 89.06	1,162	Belle Rive On Ramp MP 89.06 to 89.29
MP 89.29 TO MP 90.90	8,501	Jefferson/Hamilton County Line MP 90.90
MEDIAN SHOULDER		
MP 78.50 TO MP 80.12	8,554	Interstate 57 MP 78.50, Bridge MP 80.12 to 80.20
MP 80.20 TO MP 80.52	1,690	Bridge MP 80.52 to 80.60
MP 80.60 TO MP 84.37	19,906	Bridge MP 84.37 to 84.40
MP 84.40 TO MP 88.80	23,232	Bridge MP 88.80 to 88.84
MP 88.84 TO MP 90.90	10,877	Jefferson/Hamilton County Line MP 90.90
WB LANES		
OUTSIDE SHOULDER		
MP 90.90 TO MP 89.19	9,029	Jefferson/Hamilton County Line MP 90.90, Bridge MP 89.19 to 89.15
MP 89.15 TO MP 88.85	1,584	Belle Rive Off Ramp MP 89.19 to 89.15
MP 88.81 TO MP 88.80	53	Bridge MP 88.80 to 88.75
MP 88.75 TO MP 88.55	1,056	Belle Rive On Ramp MP 88.55 to 88.33
MP 88.33 TO MP 85.75	13,622	Rest Area Off Ramp MP 85.75 to 85.65
MP 85.65 TO MP 85.29	1,901	Rest Area On Ramp MP 85.29 to 85.05
MP 85.05 TO MP 84.38	3,538	Bridge MP 84.38 to 84.31
MP 84.31 TO MP 80.51	20,064	Bridge MP 80.51 to 80.48
MP 80.48 TO MP 80.14	1,795	Bridge MP 80.14 to 80.08
MP 80.08 TO MP 79.91	898	Bridge MP 79.91 to 79.90
MP 79.90 TO MP 79.88	106	IL-37 Off Ramp MP 79.88 to 79.80
MP 79.80 TO MP 79.64	845	IL-37 On Ramp MP 79.64 to 79.49
MP 79.49 TO MP 78.50	5,227	Interstate 57 MP On Ramp MP 78.50
MEDIAN SHOULDER		
MP 90.90 TO MP 89.19	9,029	Jefferson/Hamilton County Line MP 90.90, Bridge MP 89.19 to 89.15
MP 89.15 TO MP 88.80	1,848	Bridge MP 88.80 to 88.75
MP 88.75 TO MP 84.38	23,074	Bridge MP 84.38 to 84.31
MP 84.31 TO MP 80.51	20,064	Bridge MP 80.51 to 80.48
MP 80.48 TO MP 80.14	1,795	Bridge MP 80.14 to 80.08
MP 80.08 TO MP 79.91	898	Bridge MP 79.91 to 79.90
MP 79.90 TO MP 78.50	7,392	Interstate 57 MP On Ramp MP 78.50
COUNTY TOTAL:	675,055	

PLOT DATE: 1/22/2008
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 USER NAME: jshapiro

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* D-9 SAFETY FY 08-2				

RUMBLE STRIP SCHEDULE (WHITE CO.)

LOCATION MILEPOST TO MILEPOST	RUMBLE STRIP	REMARKS
	FOOT	
WHITE		
FAI 64		
EB LANES		
OUTSIDE SHOULDER		
MP 116.03 TO MP 116.36	1,742	Wayne/Hamilton County Line MP 116.03, Bridge MP 116.36 to 116.37
MP 116.37 TO MP 116.71	1,795	Burnt Prairie Off Ramp MP 116.71 to 116.81
MP 116.81 TO MP 117.30	2,587	Burnt Prairie On Ramp MP 117.30 to 117.50
MP 117.50 TO MP 118.19	3,643	Bridge MP 118.19 to 118.20
MP 118.20 TO MP 120.20	10,560	Bridge MP 120.20 to 120.21
MP 120.21 TO MP 123.62	18,005	Little Wabash River Bridge MP 123.62 to 123.78
MP 123.78 TO MP 128.45	24,658	Bridge MP 128.45 to 128.46
MP 128.46 TO MP 129.10	3,379	Grayville/Carmi Off Ramp MP 129.10 to 129.28
MP 129.28 TO MP 129.50	1,162	Grayville/Carmi On Ramp MP 129.50 to 129.65
MP 129.65 TO MP 129.69	211	Bridge MP 129.69 to 129.71
MP 129.71 TO MP 130.55	4,435	Wabash River Bridge (Illinois/Indiana State Line) MP 130.55
MEDIAN SHOULDER		
MP 116.03 TO MP 116.36	1,742	Wayne/Hamilton County Line MP 116.03, Bridge MP 116.36 to 116.37
MP 116.37 TO MP 118.19	9,610	Bridge MP 118.19 to 118.20
MP 118.20 TO MP 120.20	10,560	Bridge MP 120.20 to 120.21
MP 120.21 TO MP 128.45	43,507	Bridge MP 128.45 to 128.46
MP 128.46 TO MP 129.69	6,494	Bridge MP 129.69 to 129.71
MP 129.71 TO MP 130.55	4,435	Wabash River Bridge (Illinois/Indiana State Line) MP 130.55
WB LANES		
OUTSIDE SHOULDER		
MP 130.55 TO MP 129.71	4,435	Wabash River Bridge (Illinois/Indiana State Line) MP 130.55, Bridge MP 129.71 to 129.69
MP 129.69 TO MP 129.58	581	Grayville/Carmi Off 129.58 to 129.53
MP 129.53 TO MP 129.35	950	Grayville/Carmi On Ramp 129.35 to 129.20
MP 129.20 TO MP 128.45	3,960	Bridge MP 128.45 to 128.44
MP 128.44 TO MP 123.80	24,499	Little Wabash River Bridge MP 123.80 to 123.65
MP 123.65 TO MP 120.15	18,480	Bridge MP 120.15 to 120.14
MP 120.14 TO MP 118.19	10,296	Bridge MP 118.19 to 118.18
MP 118.18 TO MP 117.41	4,066	Burnt Prairie Off Ramp MP 117.41 to 117.30
MP 117.30 TO MP 116.90	2,112	Burnt Prairie On Ramp MP 116.90 to 116.67
MP 116.67 TO MP 116.15	2,746	Wayne/Hamilton County Line MP 116.03, Bridge MP 116.36 to 116.37
MEDIAN SHOULDER		
MP 130.55 TO MP 129.71	4,435	Wabash River Bridge (Illinois/Indiana State Line) MP 130.55
MP 129.69 TO MP 128.45	6,547	Bridge MP 128.45 to 128.44
MP 128.44 TO MP 120.15	43,771	Bridge MP 120.15 to 120.14
MP 120.14 TO MP 118.19	10,296	Bridge MP 118.19 to 118.18
MP 118.18 TO MP 116.15	10,718	Wayne/Hamilton County Line MP 116.03, Bridge MP 116.36 to 116.37
COUNTY TOTAL:	296,417	

PLOT DATE = 1/2/2008
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	7
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

* D-9 SAFETY FY 08-2

RUMBLE STRIP SCHEDULE (MASSAC CO.)

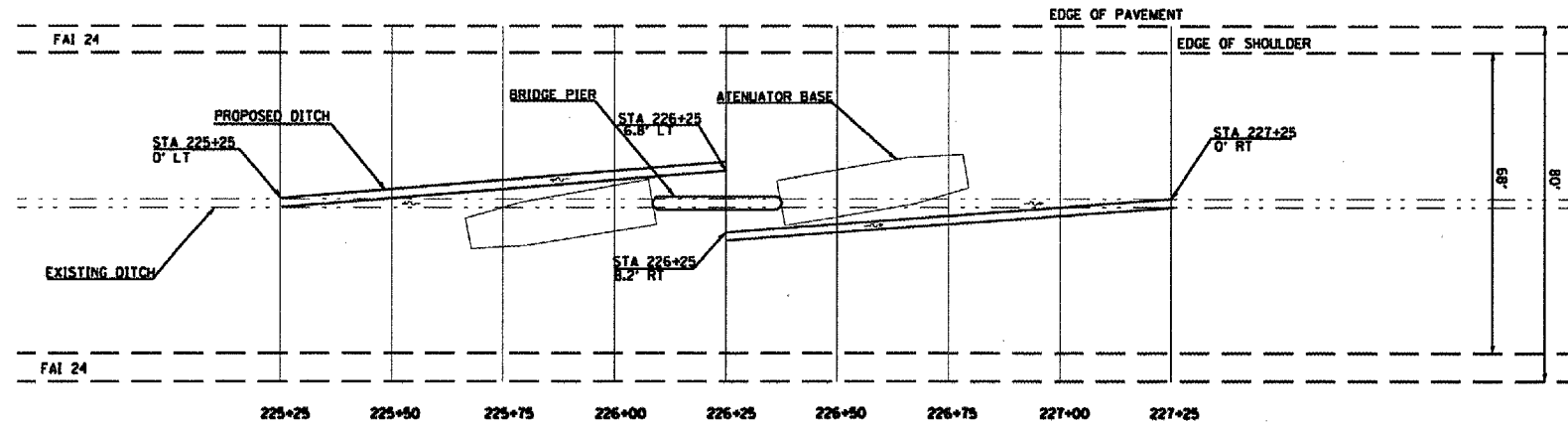
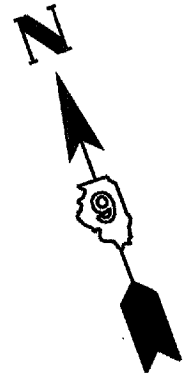
LOCATION MILEPOST TO MILEPOST	RUMBLE STRIP	REMARKS
	FOOT	
MASSAC		
FAI 24		
EB LANES		
OUTSIDE SHOULDER		
MP 23.64 TO MP 26.24	13,728	Johnson/Massac County Line MP 23.64, New Columbia/Big Bay Off Ramp MP 26.24 to 26.40
MP 26.40 TO MP 26.49	475	Bridge MP 26.49 to 26.51
MP 26.51 TO MP 26.75	1,267	New Columbia/Big Bay On Ramp MP 26.75 to 26.90
MP 26.90 TO MP 27.48	3,062	Bridge MP 27.48 to 27.51
MP 27.51 TO MP 28.91	7,392	Bridge MP 28.91 to 28.95
MP 28.95 TO MP 32.31	17,741	Bridge MP 32.31 to 32.34
MP 32.34 TO MP 33.17	4,382	Bridge MP 33.17 to 33.19
MP 33.19 TO MP 35.08	9,979	Bridge MP 35.08 to 35.10
MP 35.10 TO MP 36.91	9,557	Metropolis/Brookport Off Ramp MP 36.91 to 37.06
MP 37.06 TO MP 37.41	1,848	Metropolis/Brookport On Ramp MP 37.41 to 37.57
MP 37.57 TO MP 38.13	2,957	Bridge MP 38.13 to 38.15
MP 38.15 TO MP 38.35	1,056	Bridge MP 38.35 to 38.37
MP 38.37 TO MP 38.43	317	Ohio River Bridge (Illinois/Kentucky State Line) MP 38.43
MEDIAN SHOULDER		
MP 23.64 TO MP 26.49	15,048	Johnson/Massac County Line MP 23.64, Bridge MP 26.49 to 26.51
MP 26.51 TO MP 27.48	5,122	Bridge MP 27.48 to 27.51
MP 27.51 TO MP 28.91	7,392	Bridge MP 28.91 to 28.95
MP 28.95 TO MP 32.31	17,741	Bridge MP 32.31 to 32.34
MP 32.34 TO MP 33.17	4,382	Bridge MP 33.17 to 33.19
MP 33.19 TO MP 35.08	9,979	Bridge MP 35.08 to 35.10
MP 35.10 TO MP 38.13	15,998	Bridge MP 38.13 to 38.15
MP 38.15 TO MP 38.35	1,056	Bridge MP 38.35 to 38.37
MP 38.37 TO MP 38.43	317	Ohio River Bridge (Illinois/Kentucky State Line) MP 38.43
WB LANES		
OUTSIDE SHOULDER		
MP 38.43 TO MP 38.37	317	Ohio River Bridge (Illinois/Kentucky State Line) MP 38.43
MP 38.34 TO MP 38.15	1,003	Bridge MP 38.34 to 38.36
MP 38.12 TO MP 37.57	2,904	Bridge MP 38.12 to 38.15
MP 37.40 TO MP 37.06	1,795	Metropolis/Brookport On Ramp MP 37.40 to 37.57
MP 36.90 TO MP 35.10	9,504	Metropolis/Brookport Off Ramp MP 36.90 to 37.06
MP 35.07 TO MP 33.19	9,926	Bridge MP 35.07 to 35.10
MP 33.16 TO MP 32.34	4,330	Bridge MP 33.16 to 33.19
MP 32.30 TO MP 28.95	17,688	Bridge MP 32.30 to 32.34
MP 28.90 TO MP 27.51	7,339	Bridge MP 28.90 to 28.95
MP 27.46 TO MP 26.90	2,957	Bridge MP 27.46 to 27.51
MP 26.74 TO MP 26.51	1,214	New Columbia/Big Bay On Ramp MP 26.74 to 26.90
MP 26.48 TO MP 26.39	475	Bridge MP 26.48 to 26.51
MP 26.24 TO MP 23.64	13,728	Johnson/Massac County Line MP 23.64, New Columbia/Big Bay Off Ramp MP 26.24 to 26.39
MEDIAN SHOULDER		
MP 38.43 TO MP 38.37	317	Ohio River Bridge (Illinois/Kentucky State Line) MP 38.43
MP 38.34 TO MP 38.15	1,003	Bridge MP 38.35 to 38.37
MP 38.12 TO MP 35.10	15,946	Bridge MP 38.13 to 38.15
MP 35.07 TO MP 33.19	9,926	Bridge MP 35.08 to 35.10
MP 33.16 TO MP 32.34	4,330	Bridge MP 33.17 to 33.19
MP 32.30 TO MP 28.95	17,688	Bridge MP 32.31 to 32.34
MP 28.88 TO MP 27.51	7,234	Bridge MP 28.91 to 28.95
MP 27.47 TO MP 26.51	5,069	Bridge MP 27.48 to 27.51
MP 26.48 TO MP 23.64	14,995	Johnson/Massac County Line MP 23.64, Bridge MP 26.49 to 26.51
COUNTY TOTAL:	300,484	

PLOT DATE : 1/22/2008
 FILE NAME : c:\projects\78045\78045.dwg
 PLOT SCALE : 1/8"=1'-0"
 USER NAME : dsharpe

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• D-9 SAFETY FY 08-2

PIER IMPROVEMENTS AT SN 044-0033



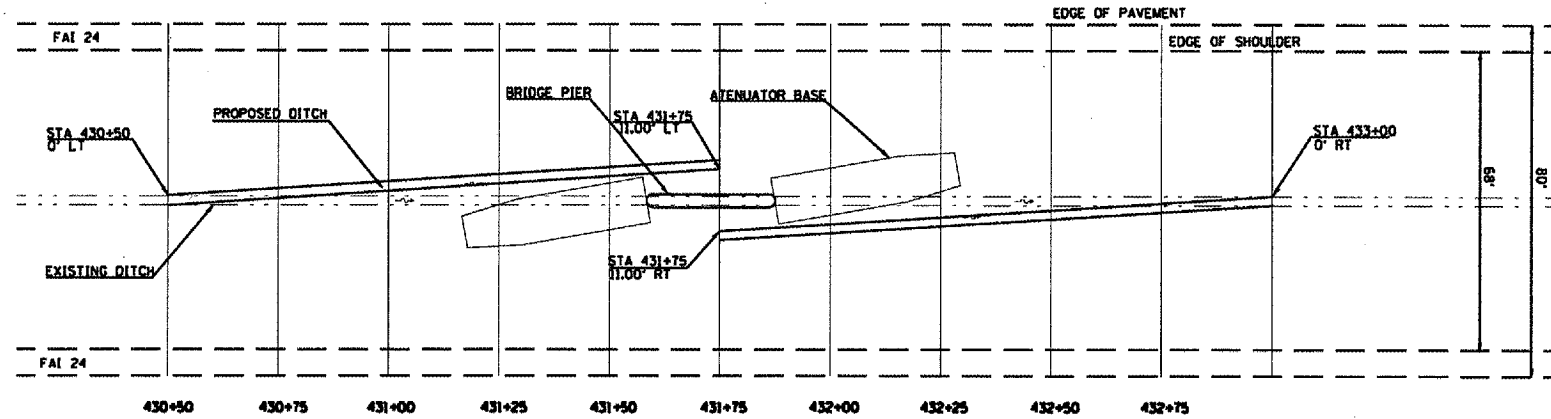
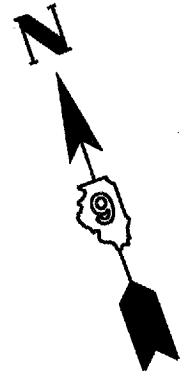
•NOTE: THIS AREA IS A DRAINAGE SUMMIT

STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
225+25	650.11	650.12
225+50	650.13	650.59
225+75	650.22	651.06
226+00	650.49	651.53
226+25	650.59	652.00
226+50	650.59	651.58
226+75	650.55	651.16
227+00	650.46	650.74
227+25	650.33	650.32

PLOT DATE = 1/22/2008
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 USER NAME = bshapiro

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	VARIOUS	ILLINOIS	17	9
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
D-9 SAFETY FY 08-2				

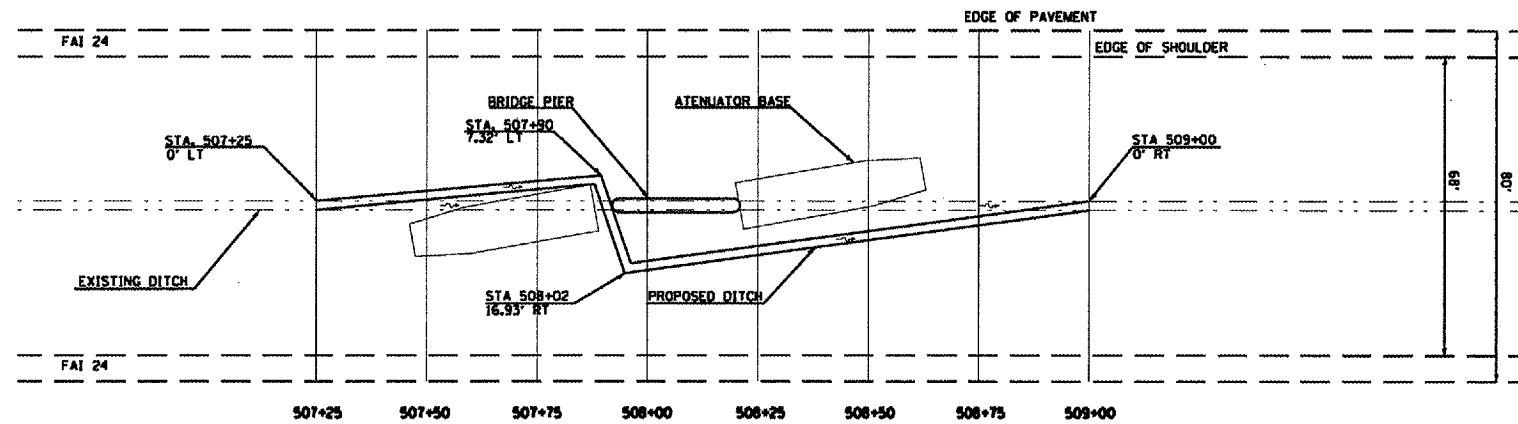
PIER IMPROVEMENTS AT SN 044-0035



STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
430+50	756.96	756.96
430+75	757.2	757.56
431+00	757.38	757.92
431+25	757.66	758.28
431+50	757.86	758.69
431+75	757.94	759.00
432+00	757.99	758.78
432+25	757.93	758.56
432+50	757.85	758.34
432+75	757.88	758.12
433+00	757.96	757.96

•NOTE: THIS AREA IS A DRAINAGE SUMMIT

PIER IMPROVEMENTS AT SN 044-0036



STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
507+25	690.22	690.22
507+50	689.93	689.85
507+75	689.56	689.48
508+00	689.1	689.11
508+25	688.64	688.74
508+50	688.22	688.37
508+75	687.84	688.00
509+00	687.30	687.30

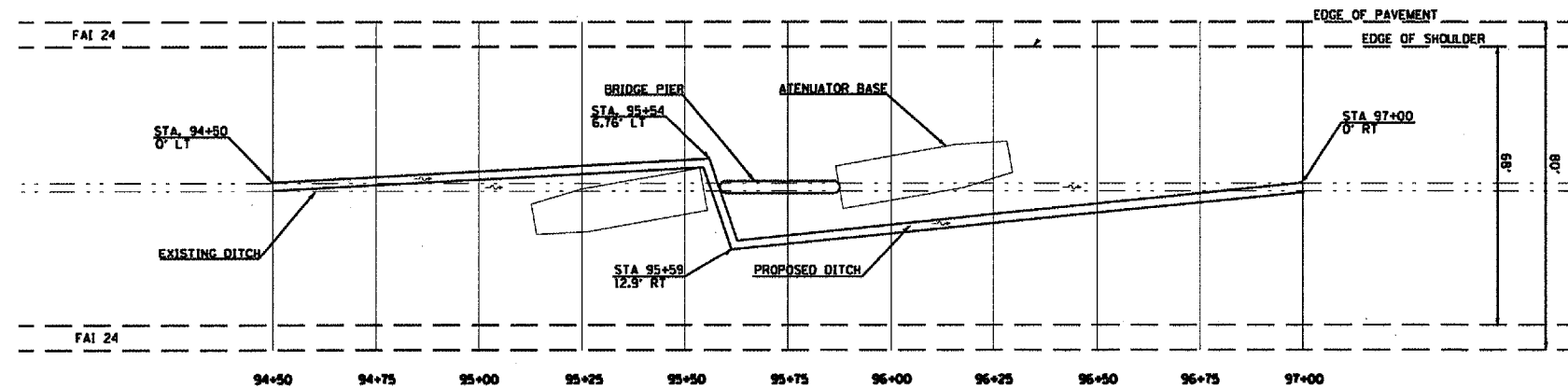
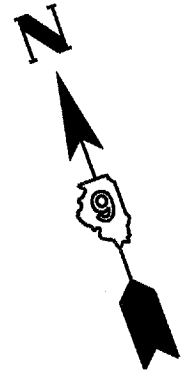
PLOT DATE: 1/22/2008
 FILE NAME: C:\Users\jgibson\Documents\044-0035\044-0036.dwg
 USER: JGIBSON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	VARIOUS	ILLINOIS	17	10

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

• D-9 SAFETY FY 08-2

PIER IMPROVEMENTS AT SN 064-0013

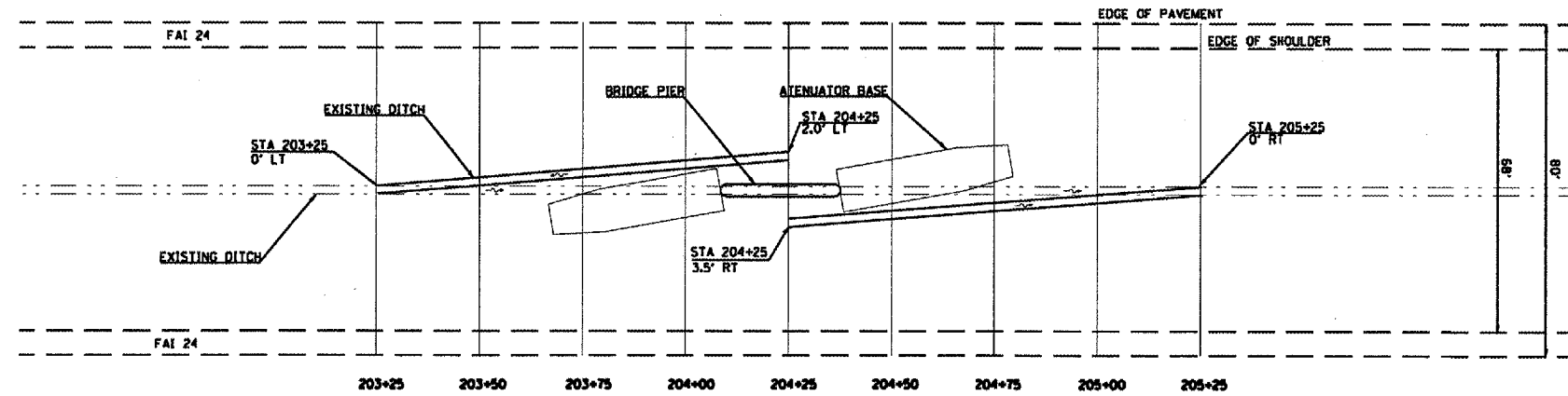
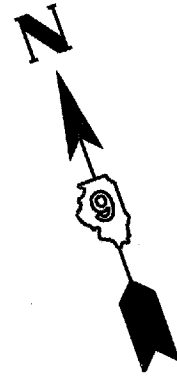


STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
94+50	403.25	403.25
94+75	403.13	403.03
95+00	402.98	402.81
95+25	402.76	402.59
95+50	402.55	402.40
95+75	402.10	402.12
96+00	401.71	401.93
96+25	401.56	401.71
96+50	401.36	401.49
96+75	401.13	401.27
97+00	400.84	400.84

PLOT DATE: 1/2/2008
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 PLOT SCALE: 1/8"=1'-0"
 USER NAME: mspandig

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	VARIOUS	ILLINOIS	17	11
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
• D-9 SAFETY FY 08-2				

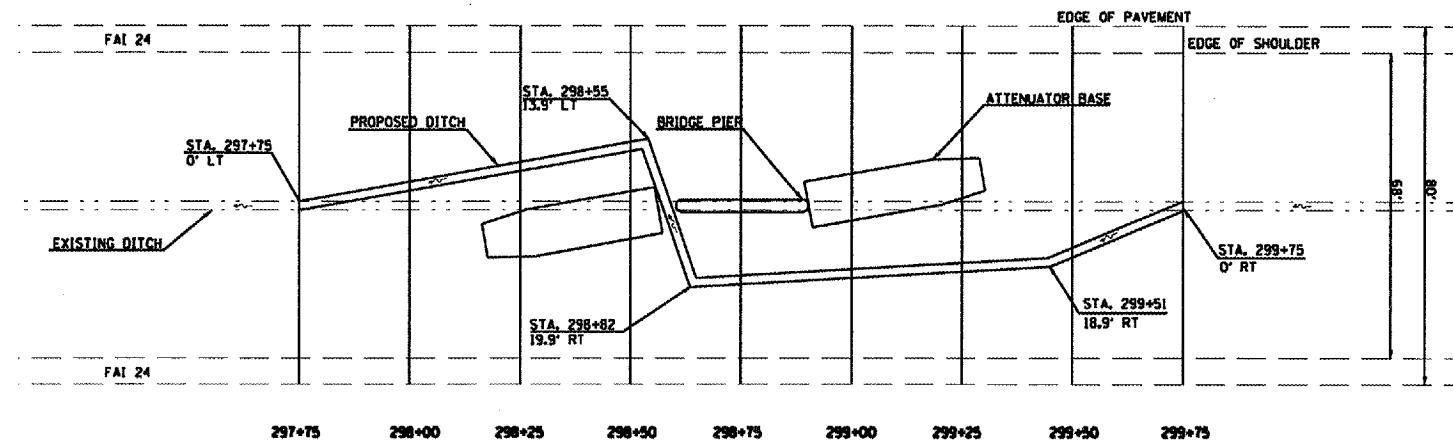
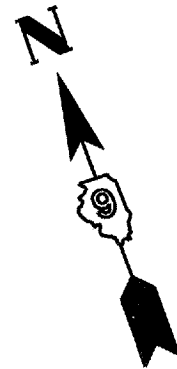
PIER IMPROVEMENTS AT SN 064-0016



STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
203+25	348.01	348.01
203+50	348.09	348.25
203+75	347.97	348.50
204+00	347.83	348.75
204+25	347.68	349.00
204+50	347.53	348.71
204+75	347.45	348.42
205+00	347.52	348.13
205+25	347.57	347.57

•NOTE: THIS AREA IS A DRAINAGE SUMMIT

PIER IMPROVEMENTS AT SN 064-0019



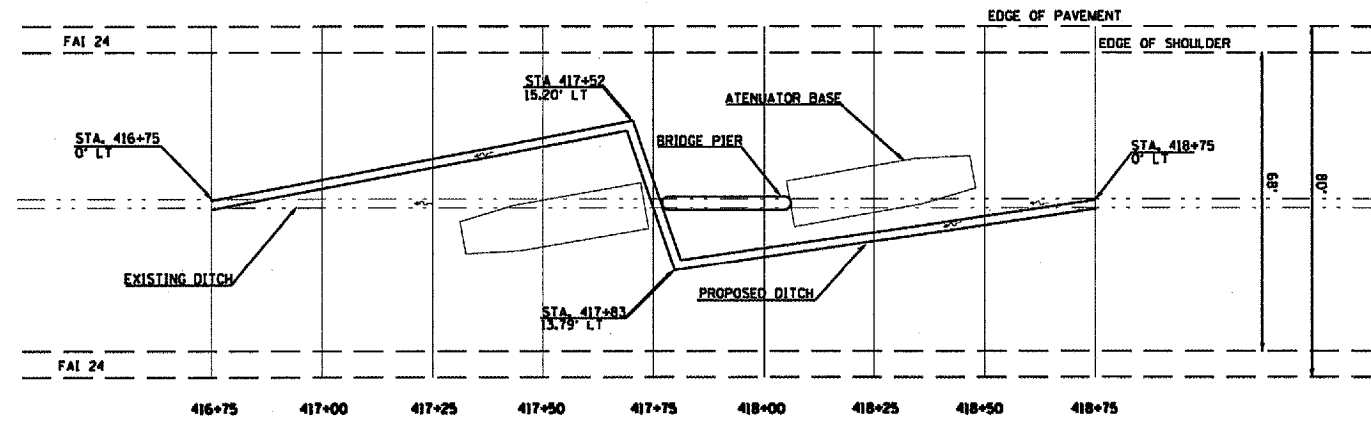
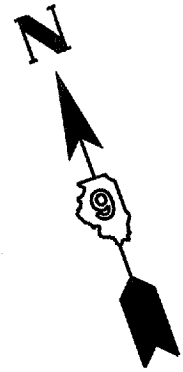
STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
298+00	352.02	352.01
298+25	352.33	352.16
298+50	352.5	352.31
298+75	352.45	352.46
299+00	352.47	352.61
299+25	352.65	352.76
299+50	352.90	352.91
299+75	353.21	353.21

PLOT DATE = 1/22/2008
 FILE NAME = C:\Users\jg\Documents\Projects\064-0016\064-0016.dwg
 USER NAME = jg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	17	12
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

* D-9 SAFETY FY 08-2

PIER IMPROVEMENTS AT SN 064-0022

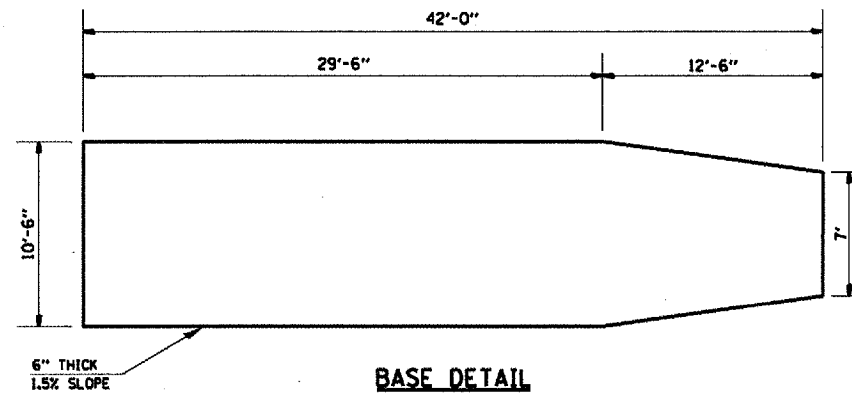
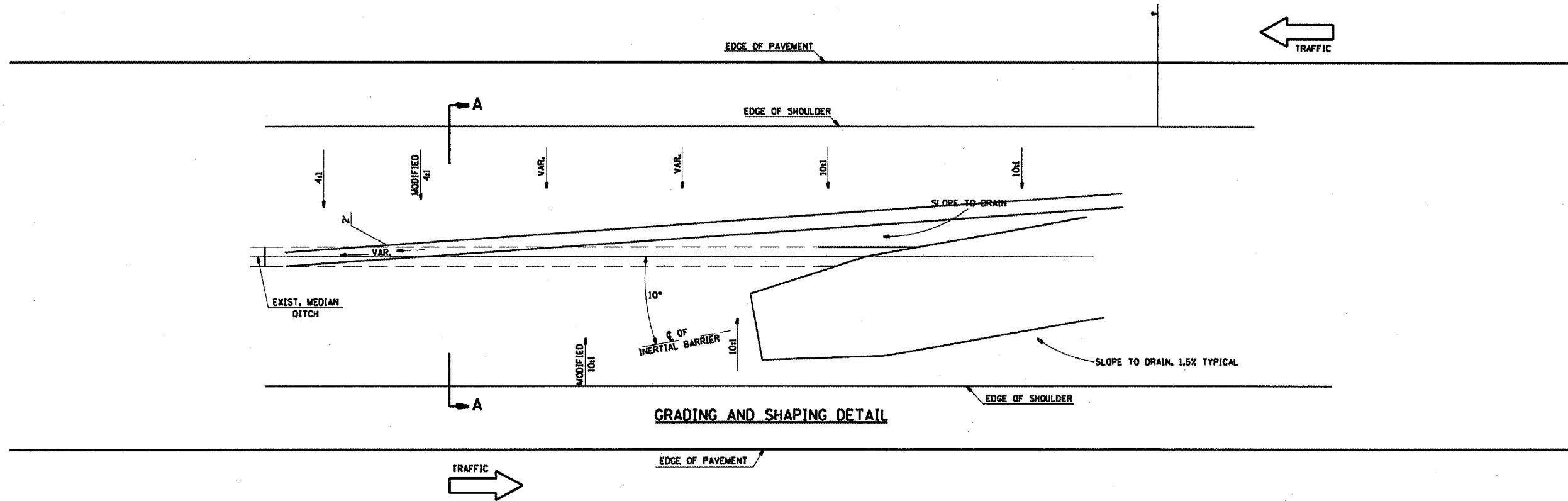


STATION	EXISTING FLOWLINE	PROPOSED FLOWLINE
416+75	396.10	396.10
417+00	396.4	396.24
417+25	396.86	396.41
417+50	397.08	396.58
417+75	397.12	396.75
418+00	397.16	396.92
418+25	397.19	397.09
418+50	397.30	397.26
418+75	397.43	397.43

PLOT DATE: 1/2/2008
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 USER NAME: shpa-01

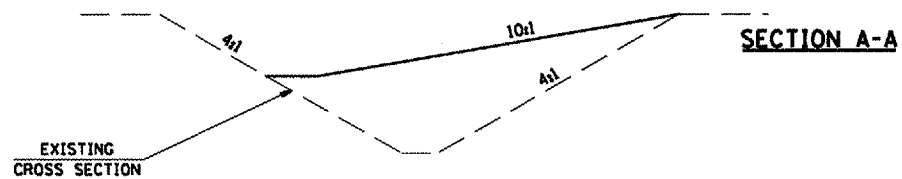
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	VARIOUS		17	13
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
• D-9 SAFETY FY 08-2				

DETAIL OF INERTIAL BARRIERS



GENERAL NOTES

1. ALL 10:1 SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. THE MATERIAL FOR THE BASE SHALL BE CLASS S1 CONCRETE. THE BASE SHALL BE POURED. THIS WILL BE INCLUDED IN THE COST OF IMPACT ATTENUATORS-NON-REDIRECTIVE, TEST LEVEL 3 (EACH).
4. THE EXISTING GROUND HAS A +- 8:1 SLOPE AND STEEPER. THEREFORE THE PROPOSED 10:1 SLOPE WILL NEED FURNISHED EXCAVATION TO COMPLETE.

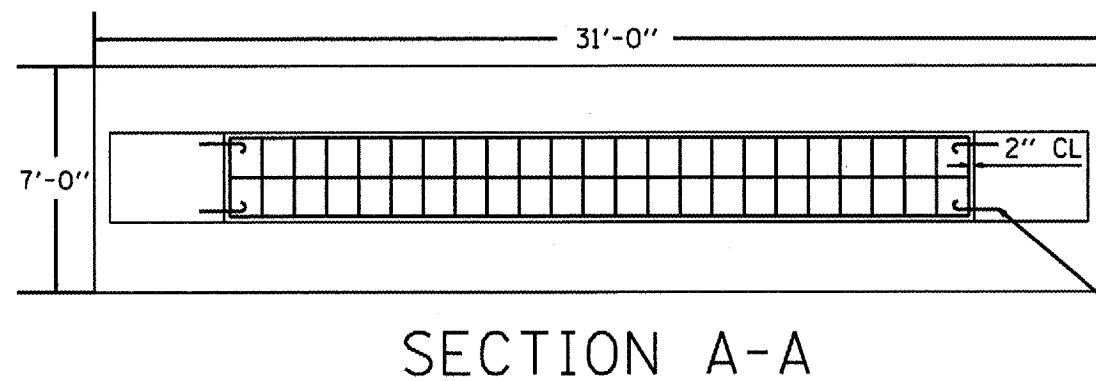
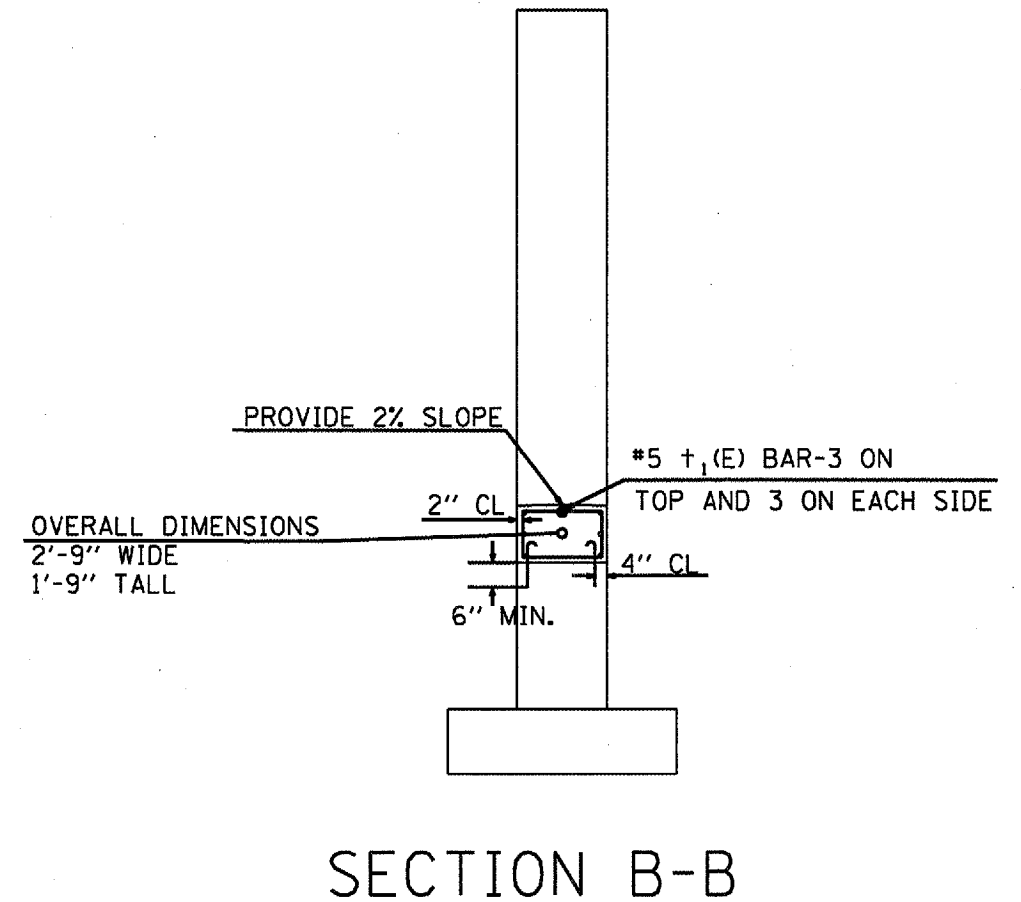
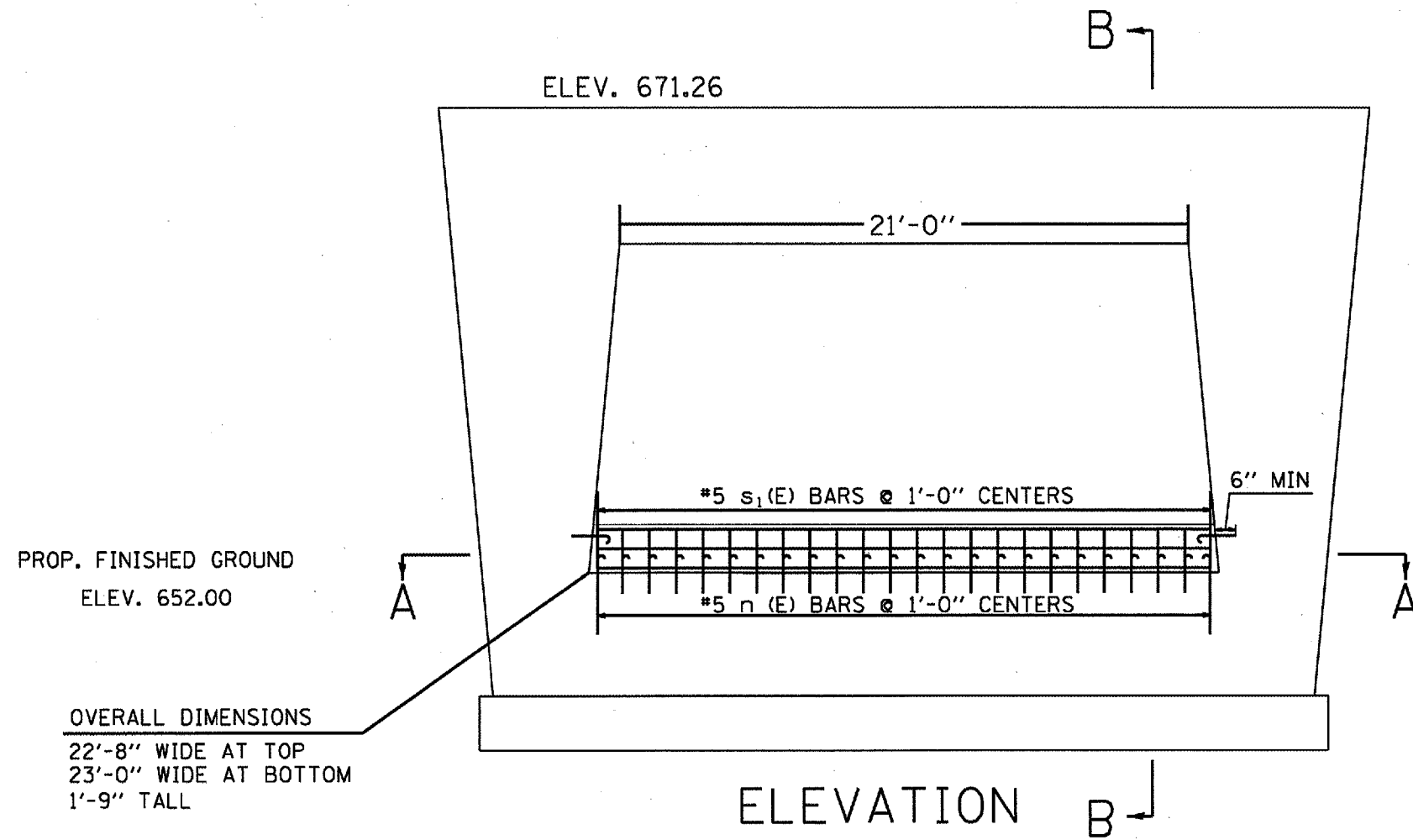


TO BE USED:
ALL PIER PROTECTION LOCATIONS
SEE PIER PROTECTION SCHEDULE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	VARIOUS	ILLINOIS	17	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

D-9 SAFETY FY 08-2

DETAIL OF PIER IMPROVEMENTS AT SN 044-0033



#5 n(E) BARS 2 EACH
IN EACH VERTICAL FACE

BILL OF MATERIALS

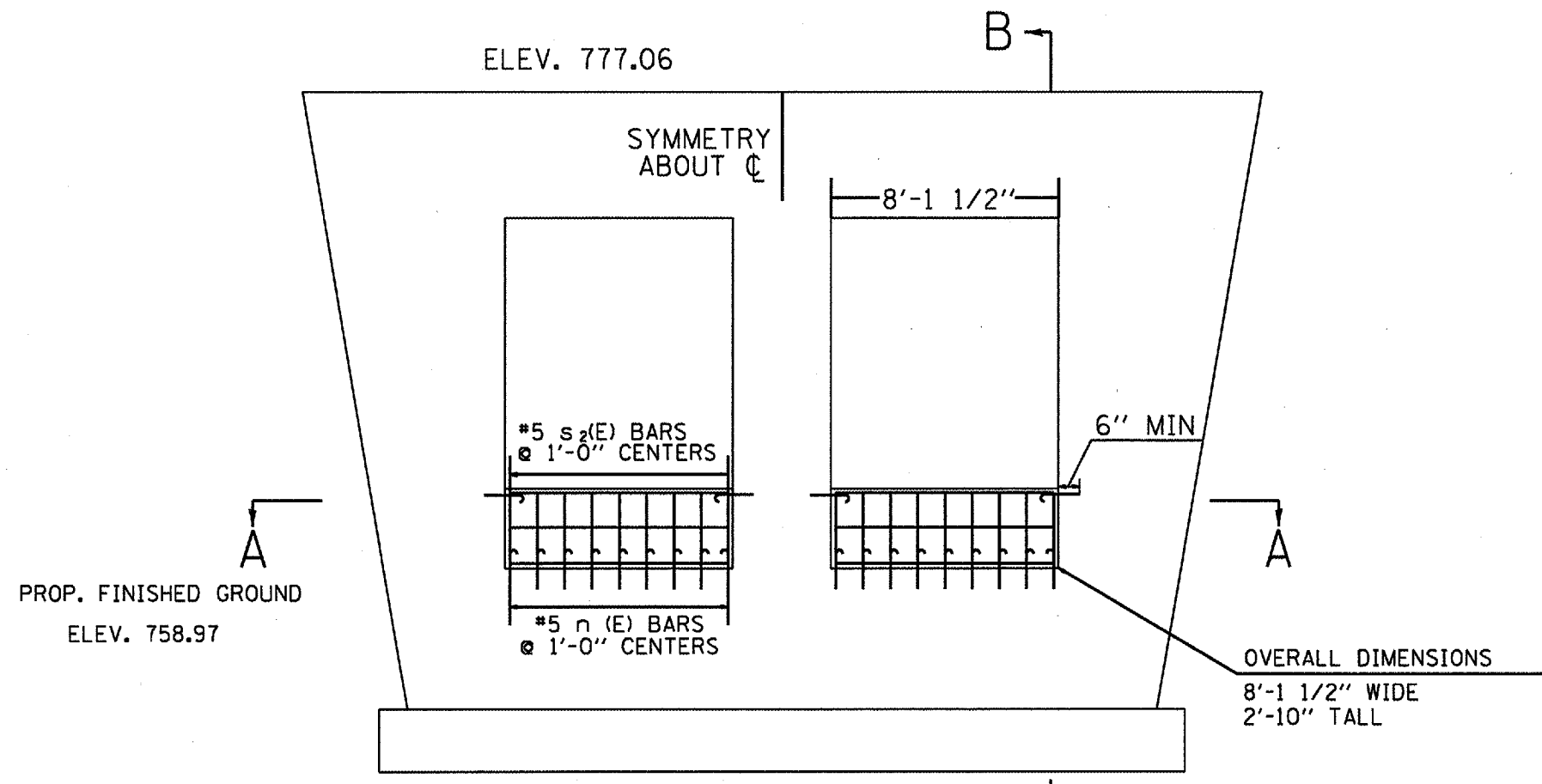
BAR	NO.	SIZE	LENGTH	SHAPE
t ₁	7	#5	22'-5"	—
n	52	#5	1'-5"	⊏
s ₁	24	#5	8'-10"	⊏
CONCRETE STRUCTURES				4.1 CU. YD.
REINFORCEMENT BARS, EPOXY COATED				462 LBS.

NOTE: ALL n(E) BARS SHALL BE EPOXY GROUTED INTO THE COLUMN AS PER ARTICLE 584 OF THE STANDARD SPECS. AT A MINIMUM DEPTH OF 6"

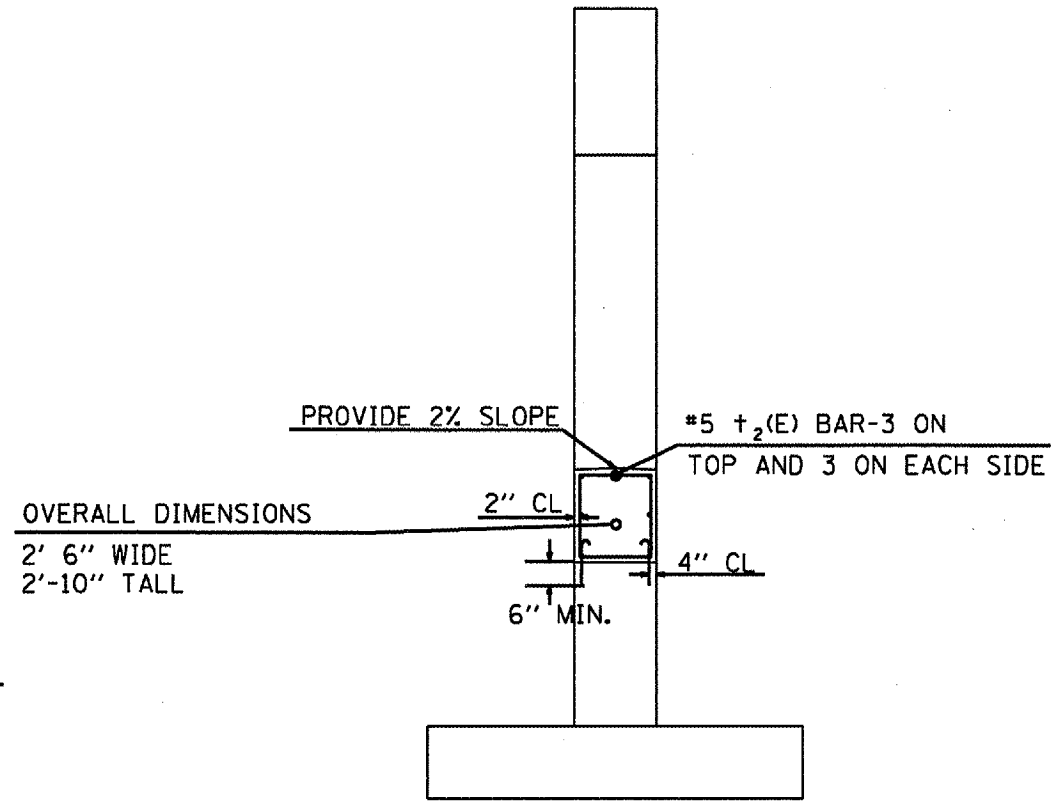
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	•	VARIOUS	17	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• D-9 SAFETY FY 08-2

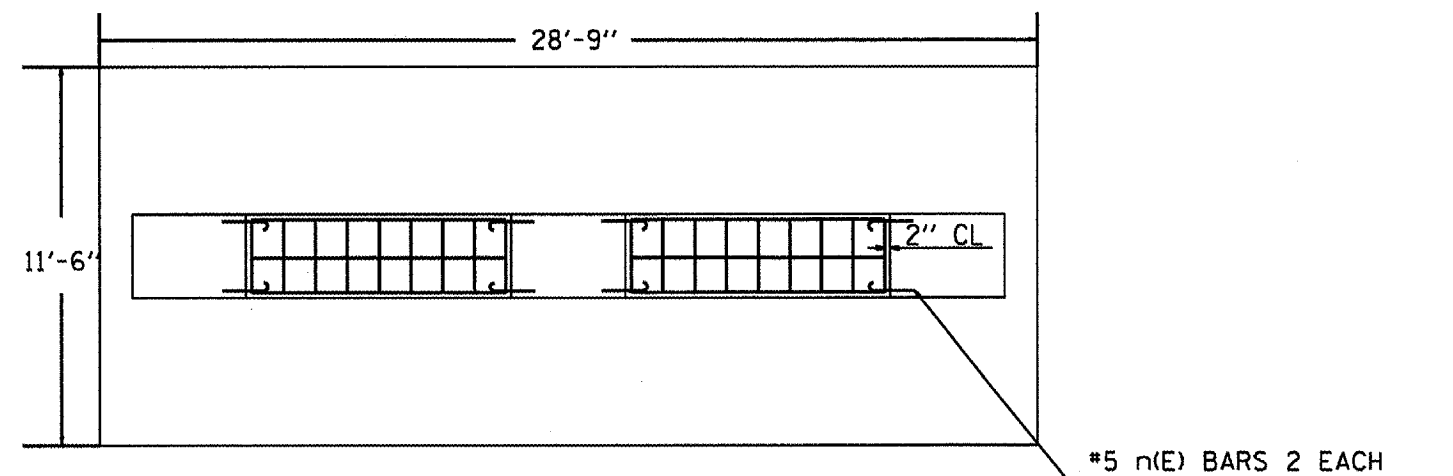
DETAIL OF PIER IMPROVEMENTS AT SN 044-0035



ELEVATION B-B



SECTION B-B



SECTION A-A

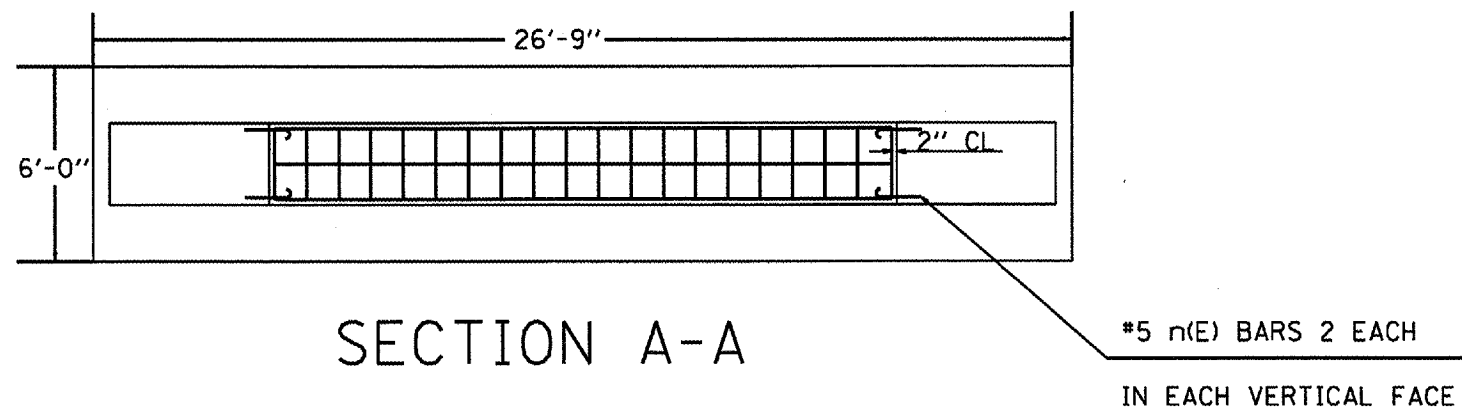
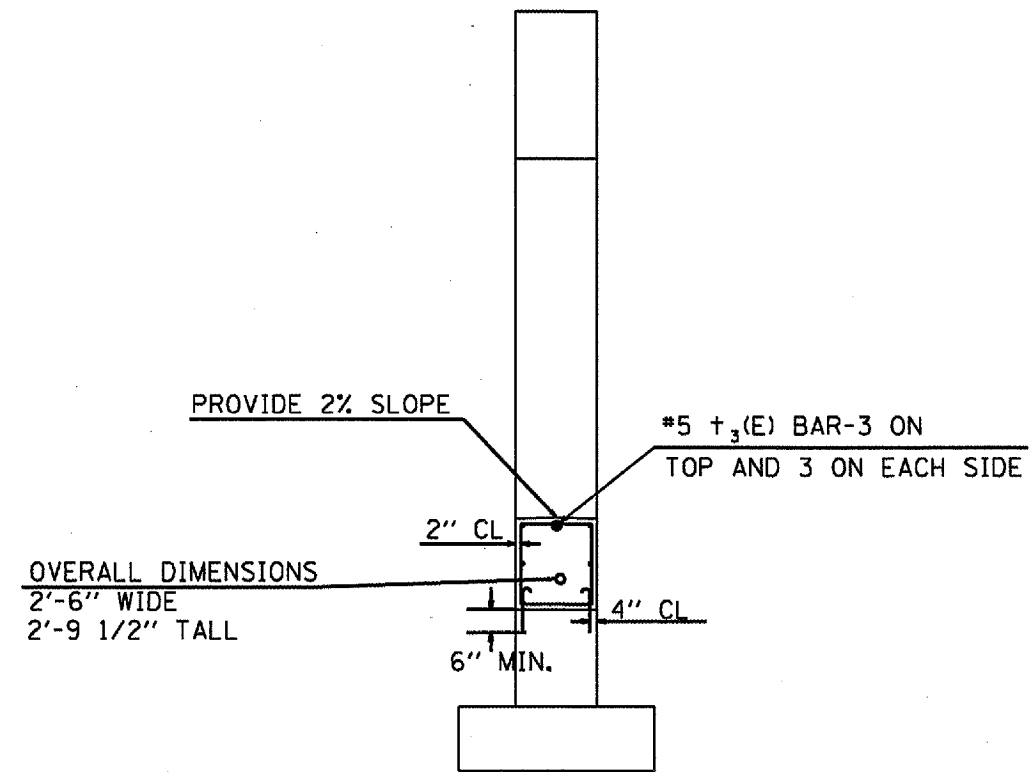
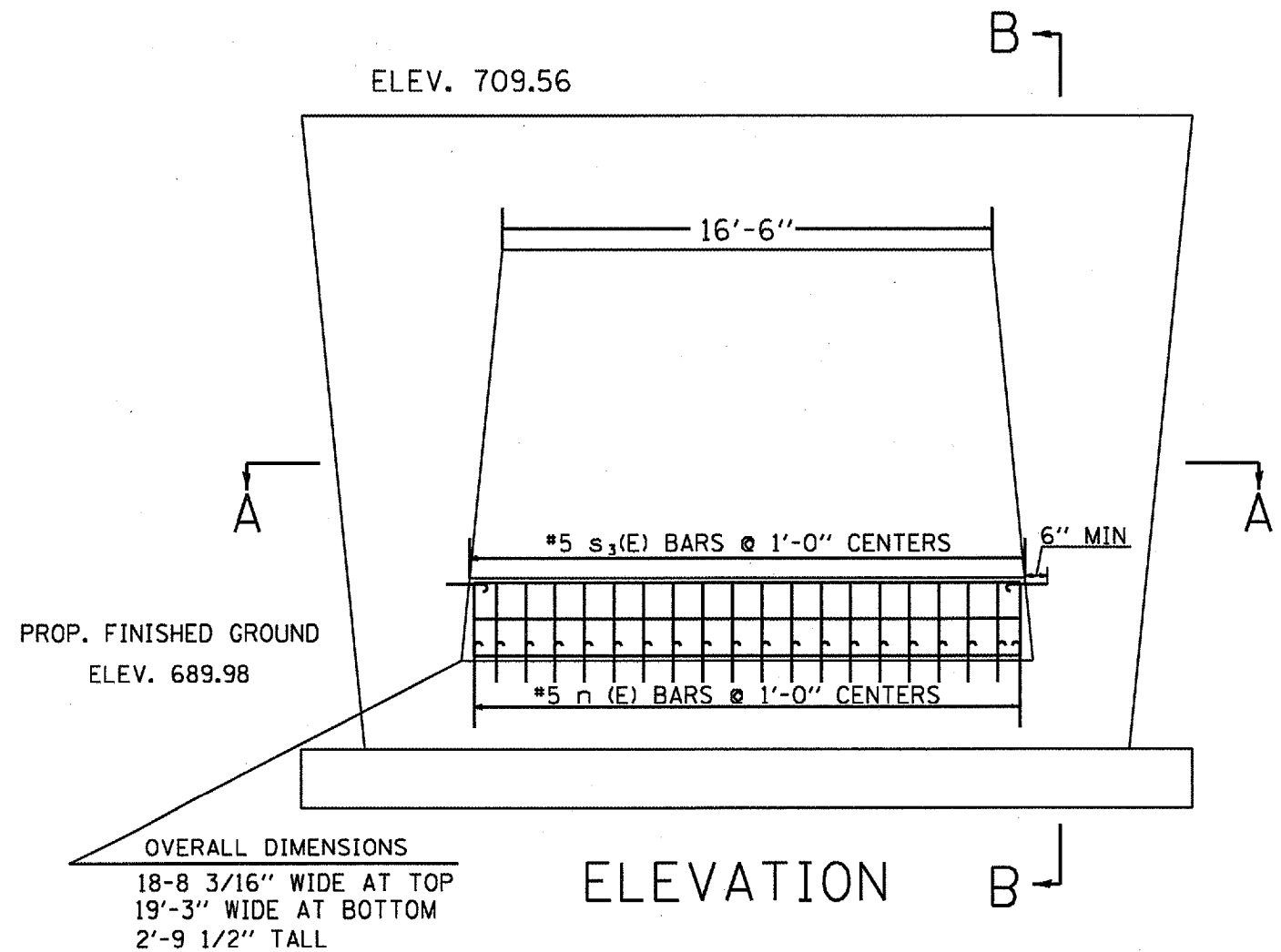
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
t ₂	14	#5	7'-10"	—
n	44	#5	1'-5"	—
s ₂	18	#5	10'-5"	□
CONCRETE STRUCTURES				4.3 CU. YD.
REINFORCEMENT BARS, EPOXY COATED				376 LBS.

NOTE: ALL n(E) BARS SHALL BE EPOXY GROUTED INTO THE COLUMN AS PER ARTICLE 584 OF THE STANDARD SPECS. AT A MINIMUM DEPTH OF 6"

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			17	16
VAR.		VARIOUS		
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• D-9 SAFETY FY 08-2				

DETAIL OF PIER IMPROVEMENTS AT SN 044-0036



BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
t ₃	7	#5	18'-5"	—
n	44	#5	1'-5"	⊔
s ₃	20	#5	10'-6"	⊔
CONCRETE STRUCTURES				4.9 CU. YD.
REINFORCEMENT BARS, EPOXY COATED				419 LBS.

NOTE: ALL n(E) BARS SHALL BE EPOXY GROUTED INTO THE COLUMN AS PER ARTICLE 584 OF THE STANDARD SPECS. AT A MINIMUM DEPTH OF 6"

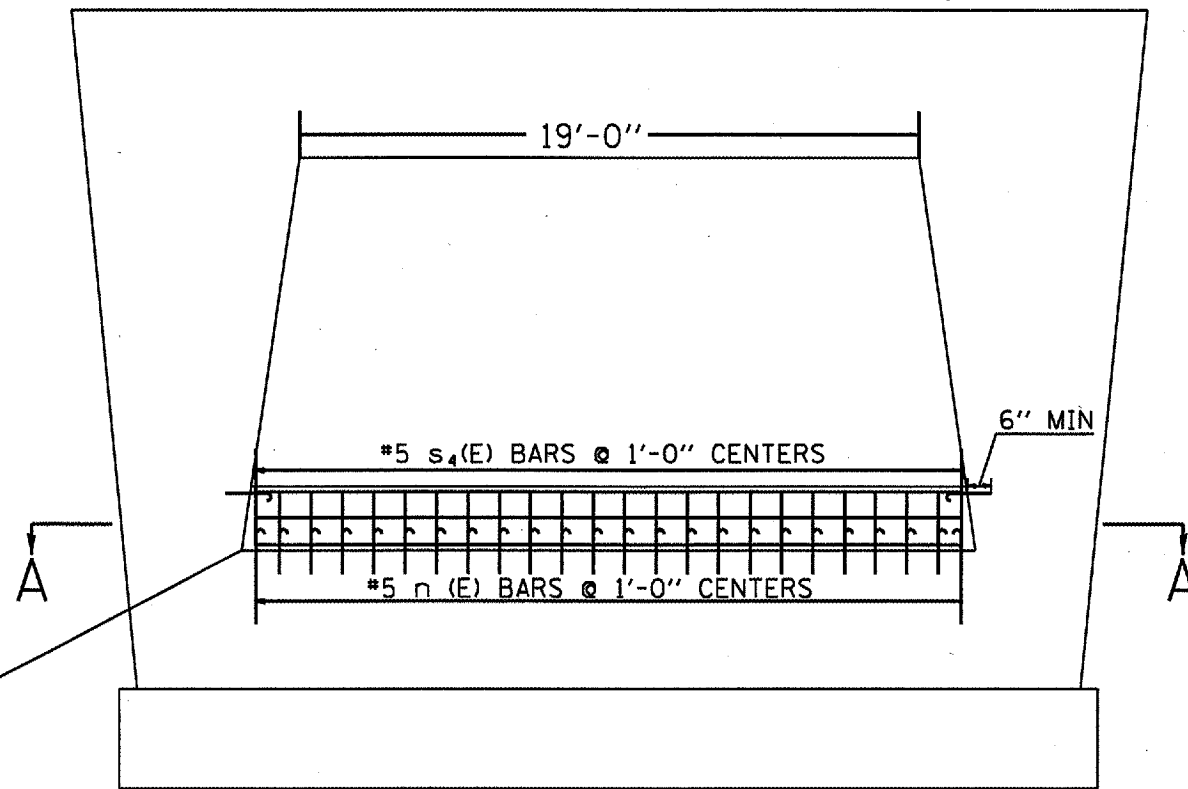
PLOT DATE: 1/10/2008
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 USER NAME: shawndg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.		VARIOUS	17	17
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• D-9 SAFETY FY 08-2				

DETAIL OF PIER IMPROVEMENTS AT SN 064-0022

ELEV. 415.86

B



PROP. FINISHED GROUND
ELEV. 397.22

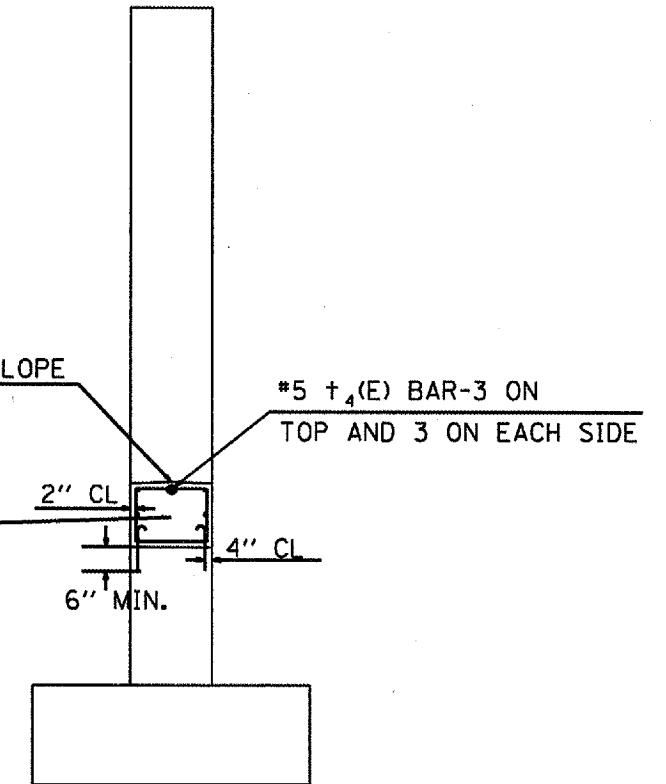
OVERALL DIMENSIONS
21'-11 3/16" WIDE AT TOP
22'-6" WIDE AT BOTTOM
1'-11 5/8" TALL

ELEVATION

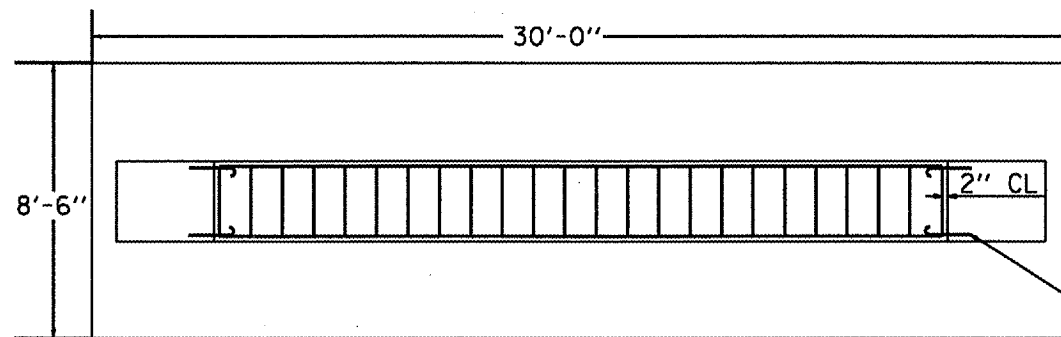
B

PROVIDE 2% SLOPE

OVERALL DIMENSIONS
2'-6" WIDE
1'-11 5/8" TALL



SECTION B-B



SECTION A-A

#5 n(E) BARS 2 EACH
IN EACH VERTICAL FACE

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
#4	7	#5	21'-8"	—
n	52	#5	1'-5"	—
s4	24	#5	8'-10"	□
CONCRETE STRUCTURES				4.1 CU. YD.
REINFORCEMENT BARS, EPOXY COATED				457 LBS.

NOTE: ALL n(E) BARS SHALL BE EPOXY GROUTED INTO THE COLUMN AS PER ARTICLE 584 OF THE STANDARD SPECS. AT A MINIMUM DEPTH OF 6"