

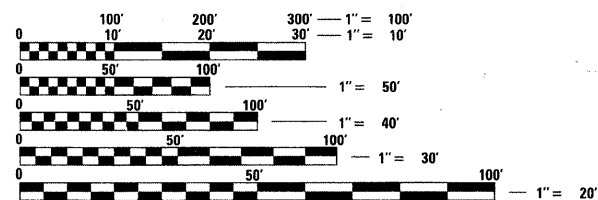
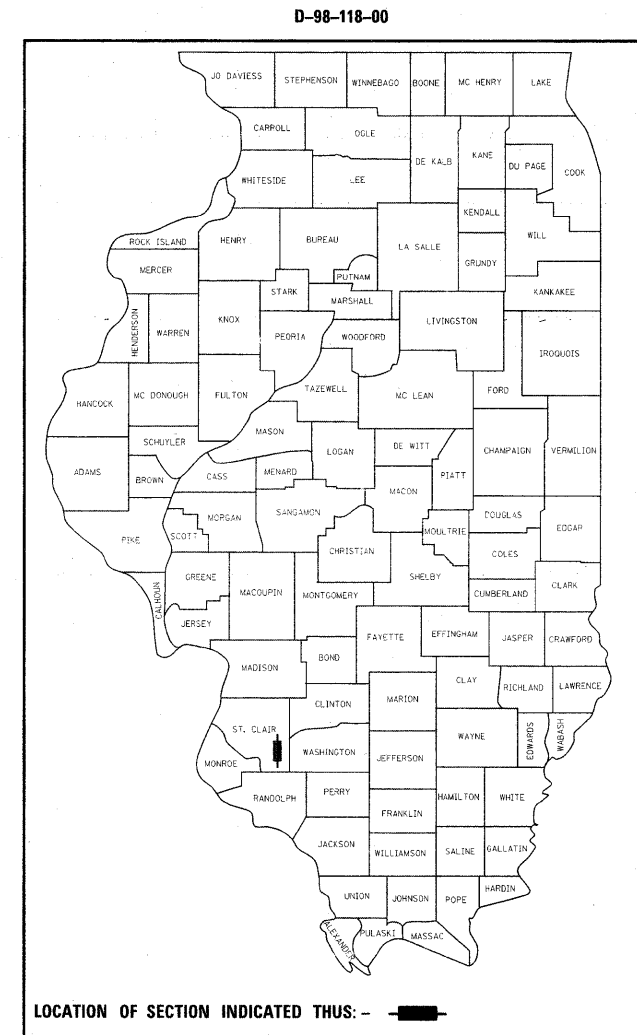
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 76388	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 680 (IL 4)
SECTION 47-1BR
PROJECT BRF-0680(003)
STRUCTURE REPLACEMENT OVER LITTLE MUD CREEK
ST. CLAIR COUNTY
C-98-064-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

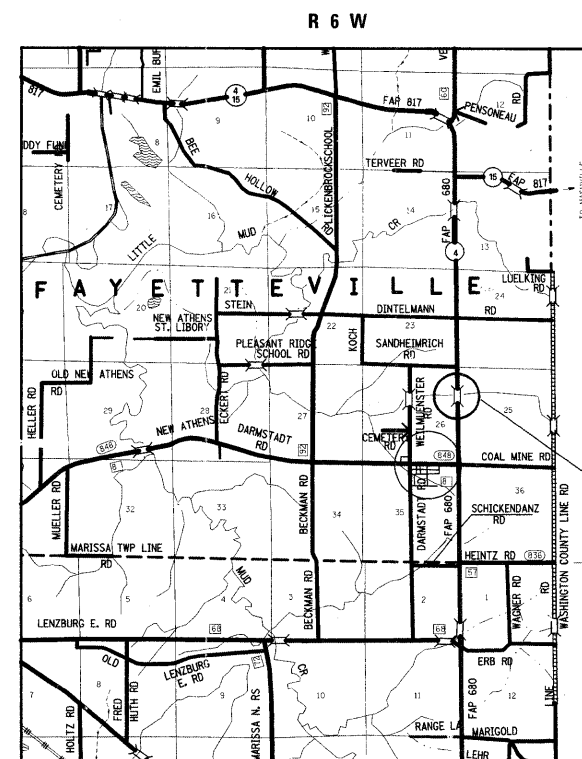


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

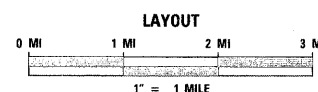
PROJECT ENGINEER: PATTI LeBEAU (618) 346-3179
PROJECT MANAGER: REBECCA THARP (618) 346-3323

CONTRACT NO. 76388



ADT = 2900 (2009)
ADT = 3700 (2029)
SU = 5.3%
MU = 6.1%

PROPOSED DOUBLE BOX CULVERT OVER
LITTLE MUD CREEK
STA 337+64
SN 082-0082 (E), SN. 082-2021 (P)
BEGIN STA 333+00
END STA 342+50



DESIGN DESIGNATION
N/A

GROSS LENGTH = 0.180 MI
NET LENGTH = 0.180 MI

LATITUDE: 38.3311
LONGITUDE: -89.7224

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *October 21 20 11*

John M. Blum
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Scott E. Stitt P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

December 9 20 11

William R. Fiegl
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED. 20% STATE 0011		CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED. 20% STATE 0011	
20200100	EARTH EXCAVATION	CU YD	1301	1301		*6300025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	62.5	62.5	
20300100	CHANNEL EXCAVATION	CU YD	192	192		*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
20400800	FURNISHED EXCAVATION	CU YD	117	117		63200310	GUARDRAIL REMOVAL	FOOT	895	895	
*25000200	SEEDING, CLASS 2	ACRE	1	1		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10	
*25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99	99		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
*25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	99	99		67100100	MOBILIZATION	L SUM	1	1	
*25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	99	99		70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
*25100115	MULCH, METHOD 2	ACRE	4	4		70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
25100630	EROSION CONTROL BLANKET	SQ YD	429	429		70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	241	241		70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
28000305	TEMPORARY DITCH CHECKS	FOOT	163	163		70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
28000400	PERIMETER EROSION BARRIER	FOOT	526	526		70300100	SHORT TERM PAVEMENT MARKING	FOOT	504	504	
28100107	STONE RIPRAP, CLASS A4	SQ YD	246	246		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1809	1809	
28100203	STONE RIPRAP, CLASS A2	TON	10	10		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	675	675	
28200200	FILTER FABRIC	SQ YD	246	246		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1109	1109	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	528	528		70400100	TEMPORARY CONCRETE BARRIER	FOOT	350	350	
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SQ YD	519	519		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.7	0.7		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	6	6	
40600300	AGGREGATE (PRIME COAT)	TON	4	4		*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2140	2140	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	174	174		*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13	13	
40600990	TEMPORARY RAMP	SQ YD	29	29		*78200410	GUARDRAIL MARKERS, TYPE A	EACH	10	10	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	526	526		*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	227	227		78300100	PAVEMENT MARKING REMOVAL	SQ FT	80	80	
44000100	PAVEMENT REMOVAL	SQ YD	126	126		*78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13	
44004250	PAVED SHOULDER REMOVAL	SQ YD	264	264		X7200200	WIDE LOAD SIGNING	L SUM	1	1	
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	421	421		Z0026407	TEMPORARY SHEET PILING	SQ FT	2933	2933	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	93	93		Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
50800105	REINFORCEMENT BARS	POUND	28690	28690		Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1	1	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	18490	18490		+ Z0076600	TRAINEES	HOOR	500	500	
51500100	NAME PLATES	EACH	1	1							
54003000	CONCRETE BOX CULVERTS	CU YD	192.6	192.6							
*63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	887.5	887.5							

* SPECIALTY ITEM + 0842

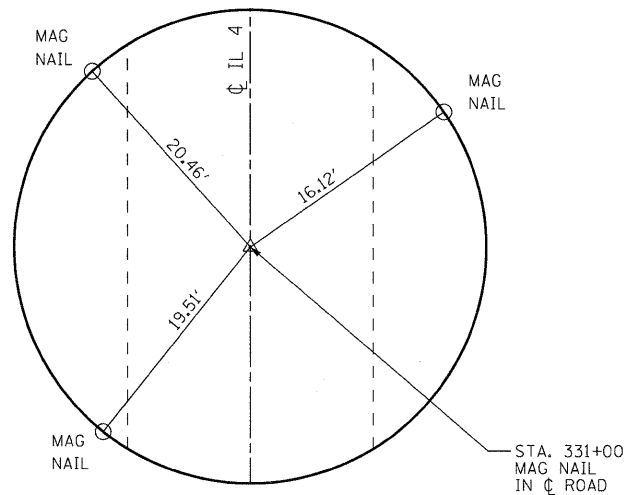
FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 680	SECTION 47-1BR	COUNTY ST. CLAIR	TOTAL SHEETS 44	SHEET NO. 3
ct:\pwork\pdat\tharp1\dms24868\0876889-sh4-500.dgn		DRAWN -	REVISED -							
PLOT SCALE = 50,0000' / 1"		CHECKED -	REVISED -							
PLOT DATE = 10/20/2011		DATE -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76388



BM 1: RR SPIKE IN POWER POLE (IN EAST SIDE OF POLE), 300'± NORTH OF SN 082-0082 ON THE WEST SIDE OF IL 4.
STATION 340+62, OFFSET 29.5' LT, ELEVATION 418.70

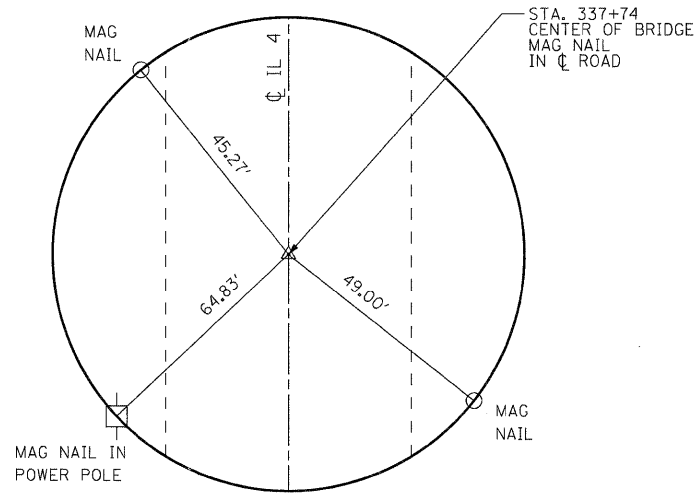
TBM 1: CHISELED "□" IN THE CENTER OF A CONCRETE HEADWALL IN THE SOUTHWEST QUADRANT OF IL 4 AND DARMSTADT ROAD.
36' WEST OF CENTERLINE IL 4, ELEVATION 436.08.

TBM 2: CUT "□" ON THE SOUTHWEST WINGWALL OF EXISTING BRIDGE ON IL 4 OVER LITTLE MUD CREEK, SN 082-0082.
STATION 337+53, OFFSET 16.8' LEFT, ELEVATION 419.25.



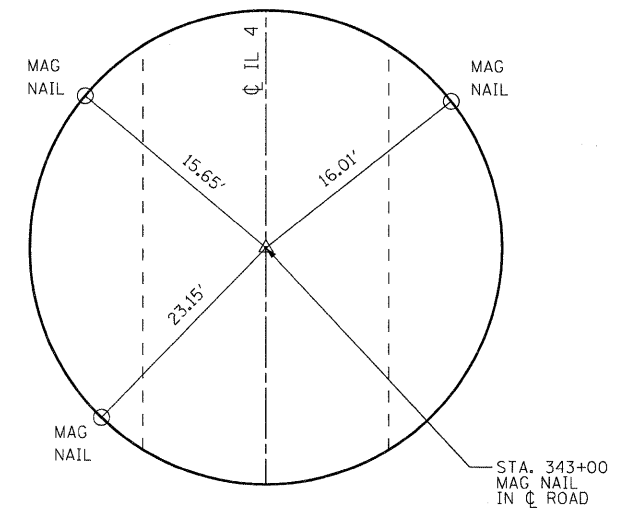
EXISTING ALIGNMENT - STATION 331+00

N. 605,737.3277 E. 2,424,148.2338



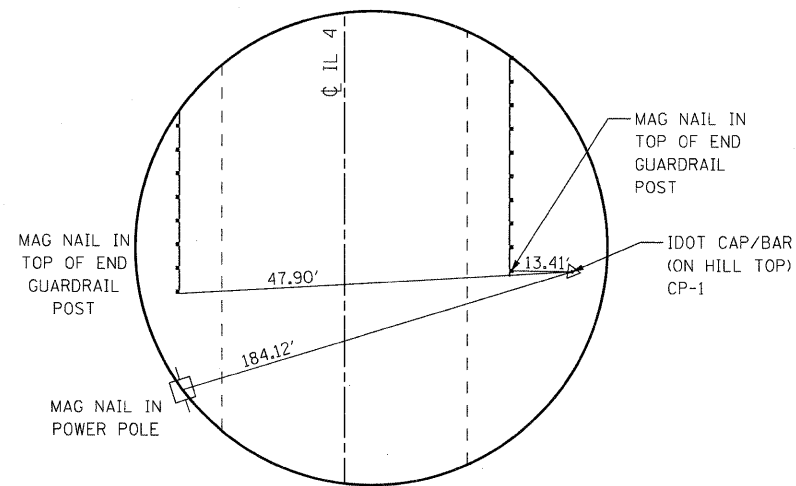
EXISTING ALIGNMENT - STATION 337+74

N. 606,411.2841 E. 2,424,140.5622



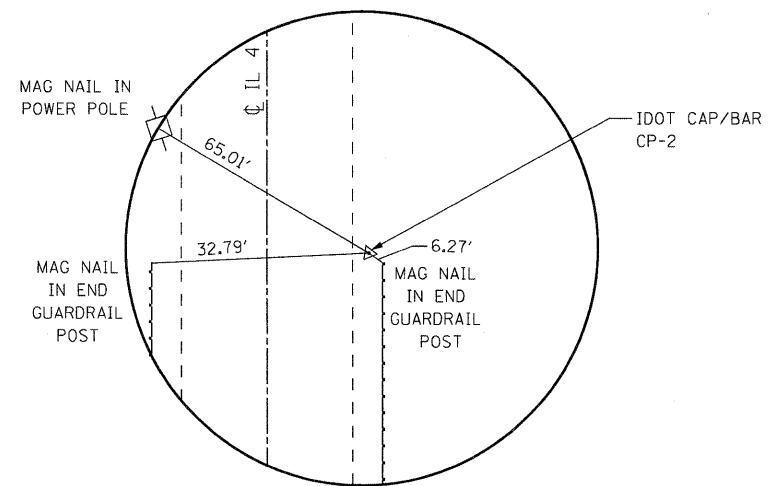
EXISTING ALIGNMENT - STATION 343+00

N. 606,937.2500 E. 2,424,134.5751



CONTROL POINT 1

STA. 335+38.28
OFFSET 30.43' RT
N. 606,175.9209 E. 2,424,173.6743



CONTROL POINT 2

STA. 340+15.64
OFFSET 14.96' RT
N. 606,653.0801 E. 2,424,152.7712

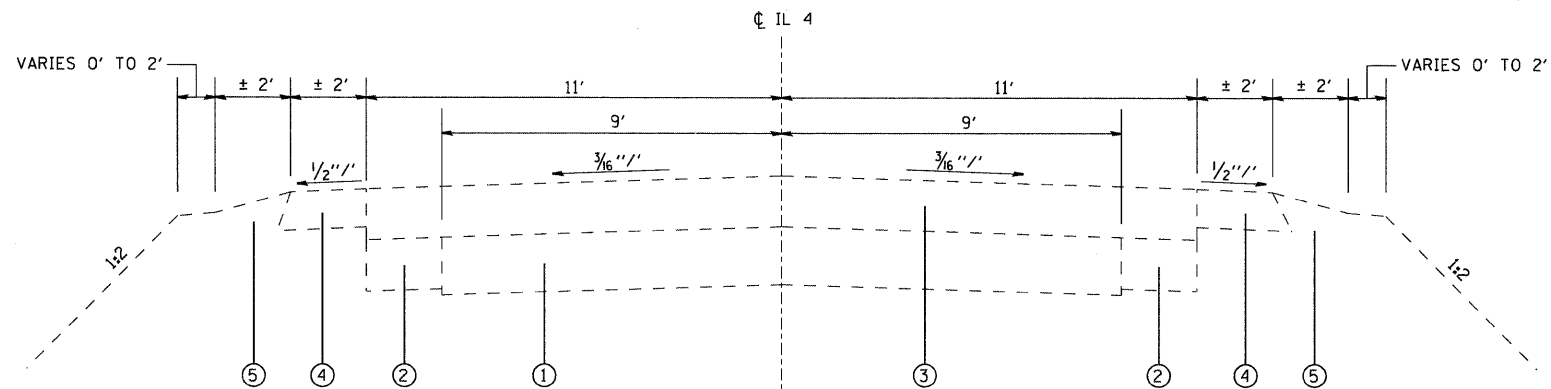
NOTES:
NOT TO SCALE.
ALL TIES ARE PULLED DIRECT.

FILE NAME =	USER NAME = therpr1	DESIGNED -	REVISED -
es:\pw_work\pwwork\therpr1\dms84268\0876888-sht-ATB.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

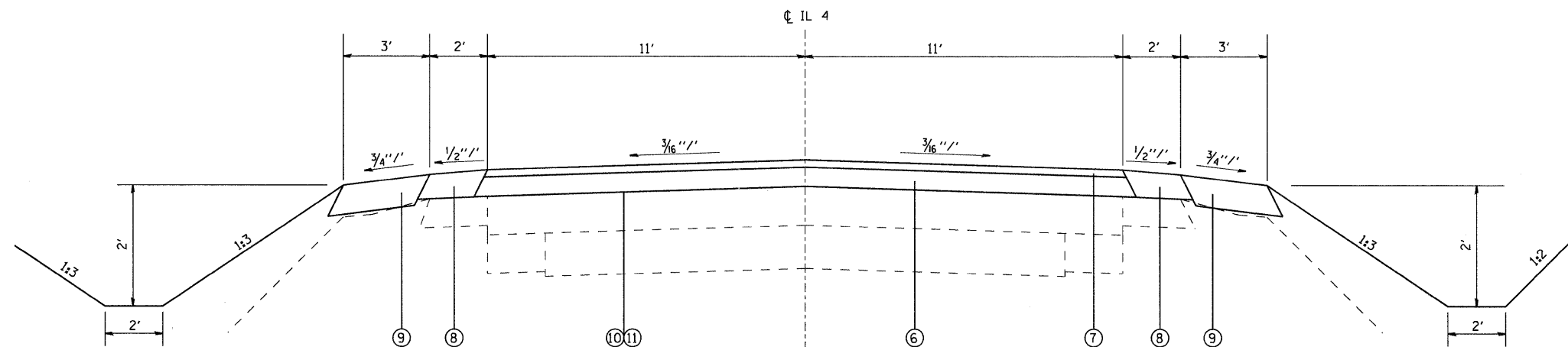
TIES & BENCHMARKS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76388				



EXISTING TYPICAL SECTION

STA 333+00 TO STA 337+61
STA 337+87 TO STA 342+50



PROPOSED TYPICAL SECTION

STA 333+00 TO STA 334+65

DENOTES REMOVAL

NOTES:
HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
SECTIONS LOOKING NORTH.
SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9'-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDER 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

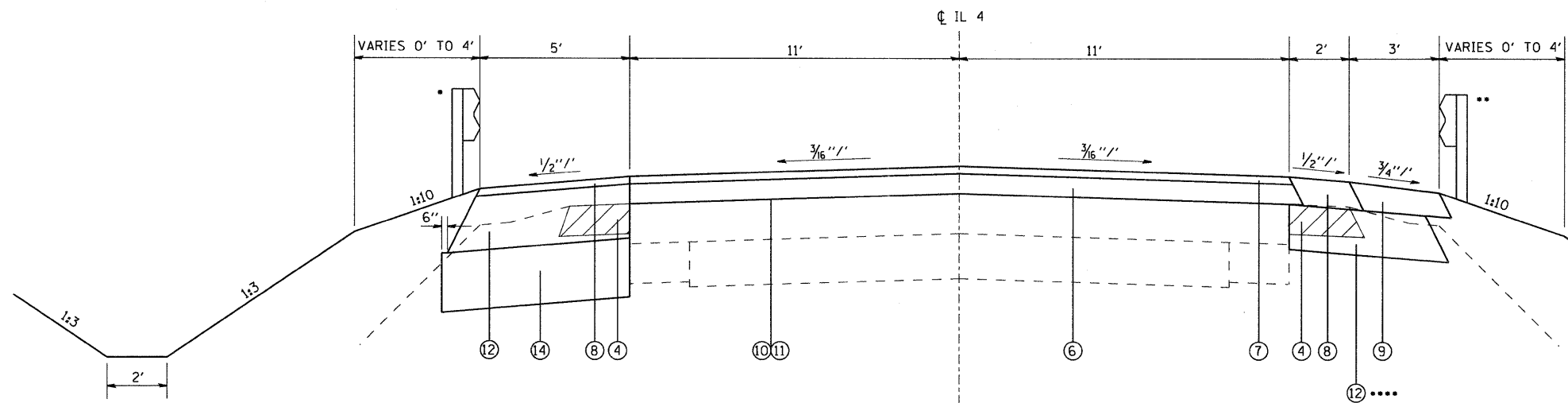
MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE COURSE	BASE COURSE	BINDER COURSE	HOT-MIX ASPHALT SHOULDERS < 2.25'	HOT-MIX ASPHALT SHOULDERS ≥ 2.25'
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROV	SEE SPECIAL PROV	SEE SPECIAL PROV	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	SPECIAL PROV	SPECIAL PROV
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0	IL 19.0	** 2.0% @ Ndes=30	** 2.0% @ Ndes=30
FRICTION AGG	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"	NMAS 1/2"	NMAS 3/4"

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

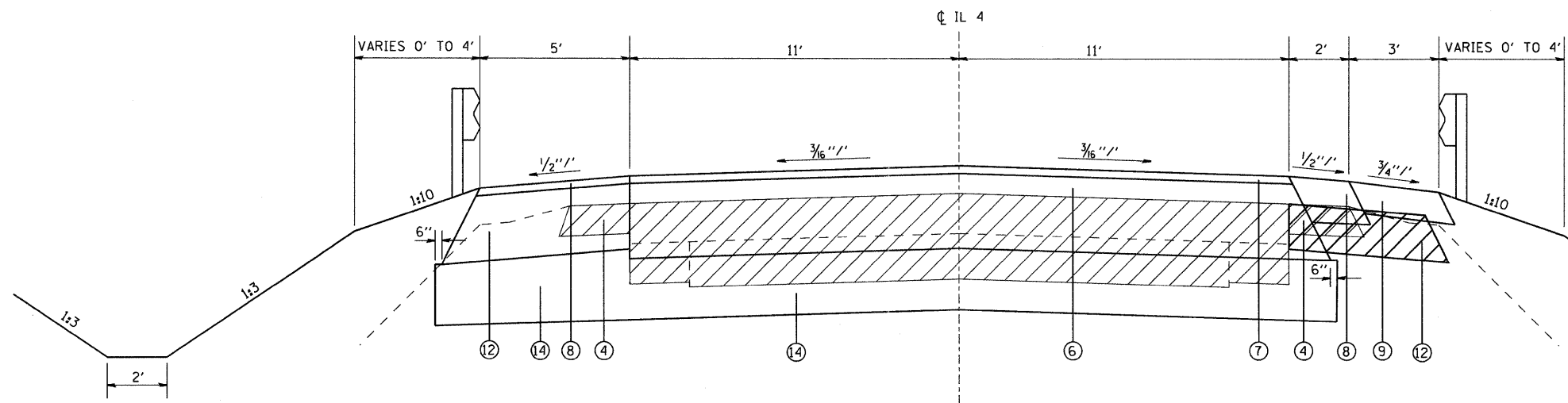
PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SO YD/IN.

FILE NAME =	USER NAME = thpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cs:\pw_work\pwsdot\thpr1\dms84068\0876388-sht-typical.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	680	47-1BR	ST. CLAIR	44	5
		CHECKED -	REVISED -					CONTRACT NO. 76388					
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT					



PROPOSED TYPICAL SECTION
STA 334+65 TO STA 337+30

- STA 335+69.5 TO STA 337+30
- STA 334+83.5 TO STA 337+30
- 2:1 SLOPE: STA 334+65 TO STA 335+50
- STA 335+70 TO STA 337+30



PROPOSED TYPICAL SECTION
STA 337+30 TO STA 337+49.53 (at CL)
STA 337+87 TO STA 337+98

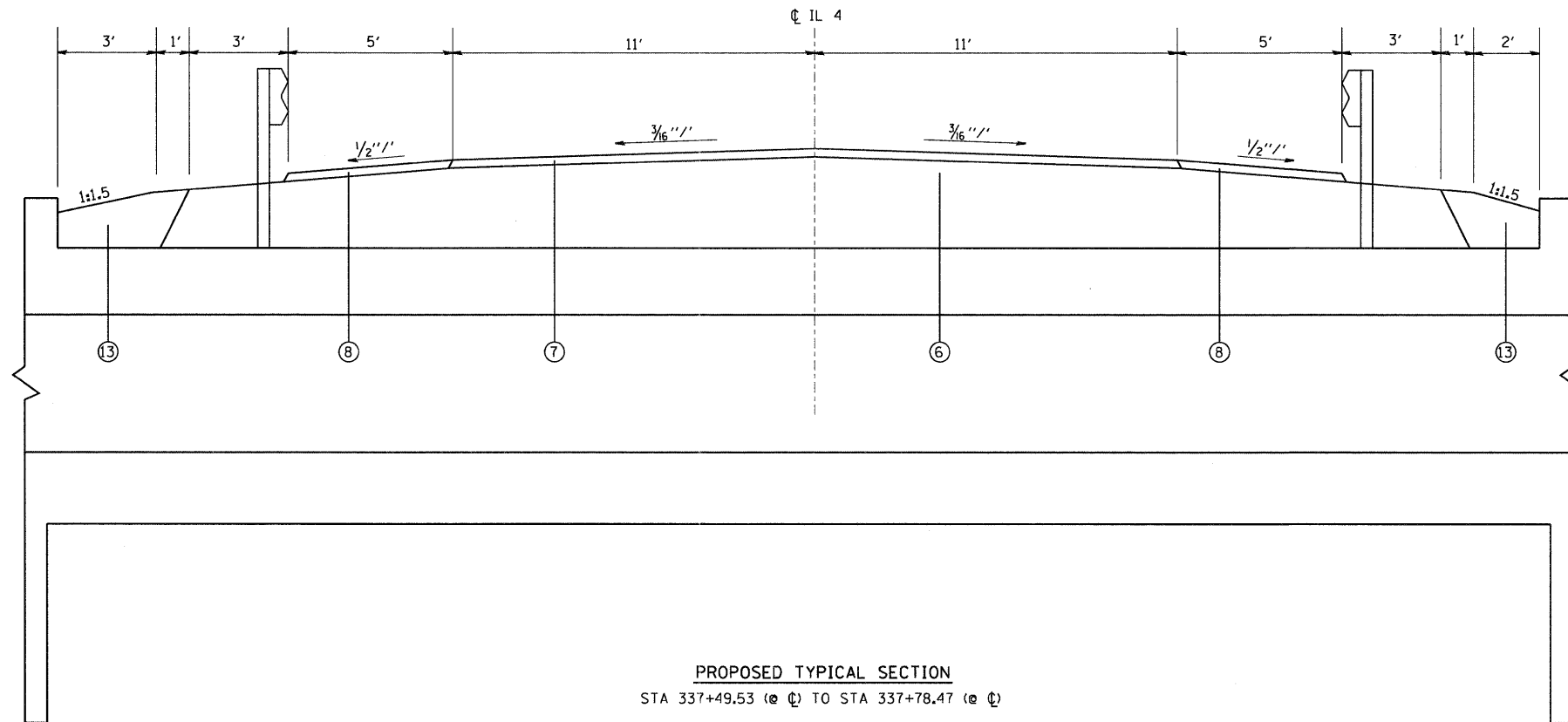
LEGEND


- ① EXISTING P.C.C. PAVEMENT 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDER 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

DENOTES REMOVAL

NOTES:
HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
SECTIONS LOOKING NORTH.
SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

FILE NAME =	USER NAME = tharpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd\pw_work\pwwdot\tharpr1\des84068\0876388-shr-typical.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.	680	47-1BR	ST. CLAIR	44	6
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 76388								
PLOT DATE = 10/20/2011		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



 DENOTES REMOVAL

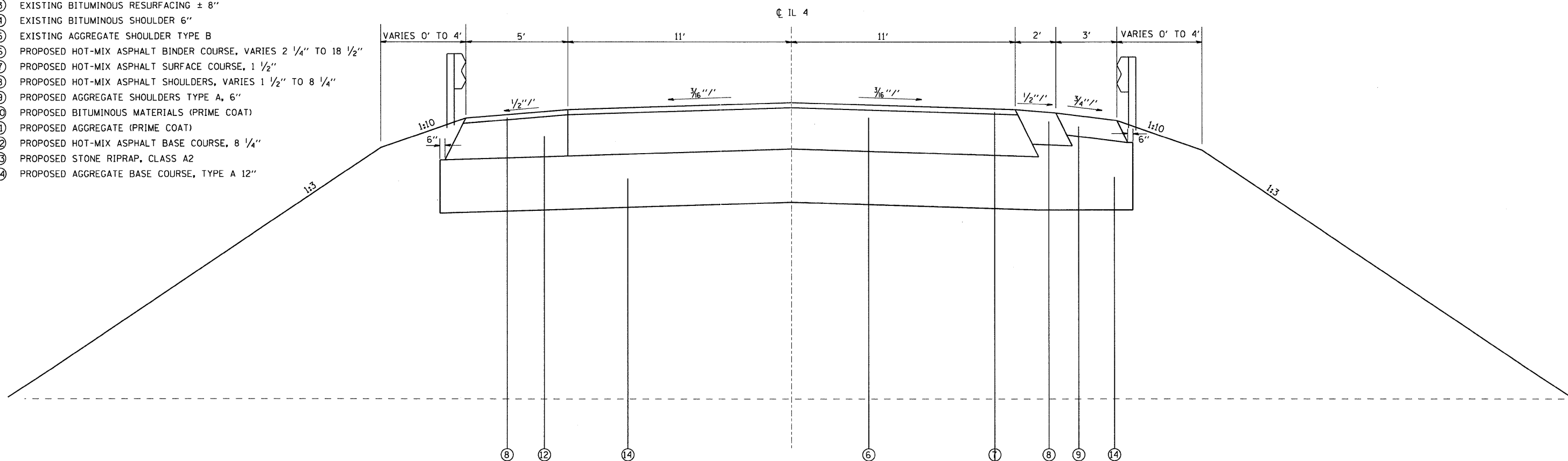
NOTES:
 HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
 SECTIONS LOOKING NORTH.
 SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9'-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDER 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

PROPOSED TYPICAL SECTION

STA 337+49.53 (e Q) TO STA 337+78.47 (e Q)



PROPOSED TYPICAL SECTION

STA 337+78.47 (e Q) TO STA 337+87

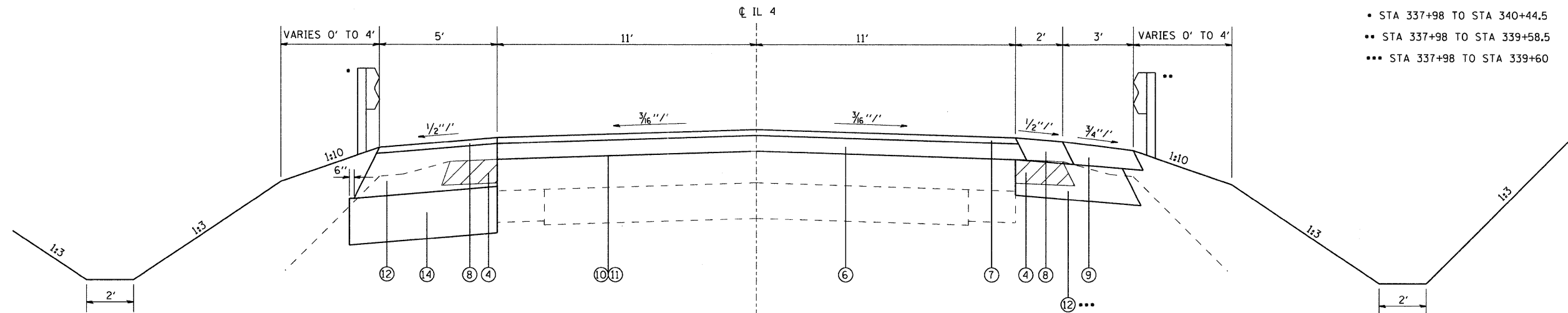
FILE NAME =	USER NAME = therpr1	DESIGNED -	REVISED -
c:\pw_work\pwidot\therpr1\dms84068\0876388-sht-typical.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1" =		CHECKED -	REVISED -
PLOT DATE = 10/20/2011		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

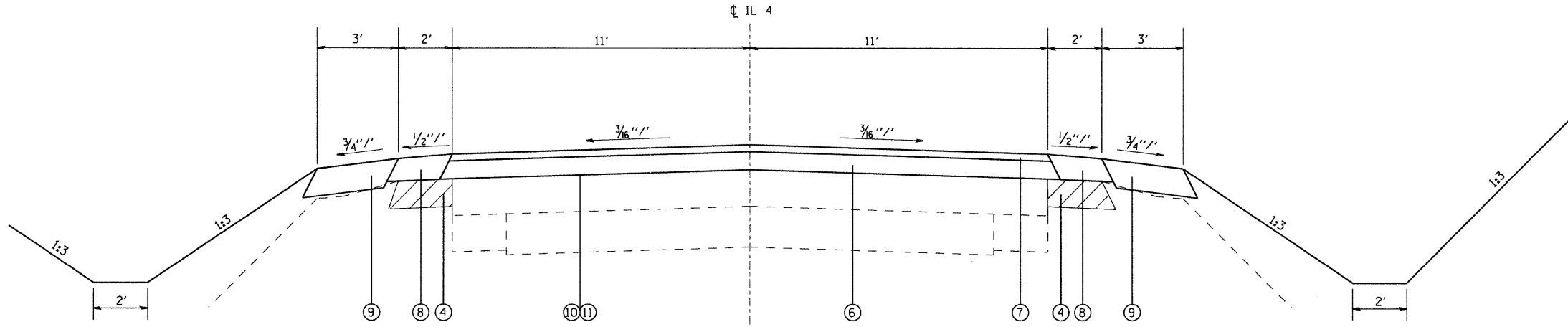
SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	7
CONTRACT NO. 76388				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
STA 337+98 TO STA 340+75

- STA 337+98 TO STA 340+44.5
- STA 337+98 TO STA 339+58.5
- STA 337+98 TO STA 339+60



PROPOSED TYPICAL SECTION
STA 340+75 TO STA 342+50

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDER 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

DENOTES REMOVAL

NOTES:
HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
SECTIONS LOOKING NORTH.
SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cs:\pw_work\pwidot\tharp1\dms84068\0876888-sh-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 4 OF 5 SHEETS	STA.	TO STA.	680	47-1BR	ST. CLAIR	44	8
		CHECKED -	REVISED -										
		DATE = 10/20/2011	REVISED -										
CONTRACT NO. 76388											ILLINOIS FED. AID PROJECT		

PROPOSED HMA BINDER COURSE AND SURFACE COURSE THICKNESS																			
STATION	C ELEVATION		PR HMA BIND CSE (INCHES)	PR HMA SURF CSE (INCHES)	STATION	C ELEVATION		PR HMA BIND CSE (INCHES)	PR HMA SURF CSE (INCHES)	STATION	C ELEVATION		PR HMA BIND CSE (INCHES)	PR HMA SURF CSE (INCHES)	STATION	C ELEVATION		PR HMA BIND CSE (INCHES)	PR HMA SURF CSE (INCHES)
	EXISTING	PROPOSED				EXISTING	PROPOSED				EXISTING	PROPOSED				EXISTING	PROPOSED		
333+00	420.95	420.95	-	1 1/2	335+80	419.86	420.30	3 3/4	1 1/2	337+80	419.79	420.30	10	1 1/2	340+00	419.83	420.30	4 1/8	1 1/2
333+20	420.81	420.83	-	1 1/2	336+00	419.86	420.30	3 7/8	1 1/2	337+85	419.79	420.30	10	1 1/2	340+20	419.86	420.30	3 3/4	1 1/2
333+40	420.66	420.72	-	1 1/2	336+20	419.85	420.30	4	1 1/2	337+90	419.80	420.30	10	1 1/2	340+40	419.90	420.30	3 1/4	1 1/2
333+60	420.51	420.62	-	1 1/2	336+40	419.81	420.30	4 3/8	1 1/2	337+95	419.77	420.30	10	1 1/2	340+60	419.96	420.30	2 5/8	1 1/2
333+80	420.37	420.53	-	2	336+60	419.80	420.30	4 1/2	1 1/2	337+98	419.78	420.30	10	1 1/2	340+75	420.00	420.31	2 1/4	1 1/2
334+00	420.27	420.46	-	2 3/8	336+80	419.79	420.30	4 5/8	1 1/2	338+00	419.76	420.30	5	1 1/2	340+80	420.01	420.32	-	3 5/8
334+20	420.19	420.40	-	2 5/8	337+00	419.77	420.30	4 7/8	1 1/2	338+20	419.67	420.30	6 1/8	1 1/2	341+00	420.05	420.34	-	3 1/2
334+40	420.11	420.36	-	3	337+20	419.78	420.30	4 3/4	1 1/2	338+40	419.63	420.30	6 5/8	1 1/2	341+20	420.16	420.38	-	2 3/4
334+60	420.03	420.33	-	3 5/8	337+30	419.78	420.30	10	1 1/2	338+60	419.61	420.30	6 3/4	1 1/2	341+40	420.25	420.44	-	2 1/4
334+65	420.00	420.32	2 1/4	1 1/2	337+35	419.79	420.30	10	1 1/2	338+80	419.61	420.30	6 3/4	1 1/2	341+60	420.34	420.51	-	2
334+80	419.95	420.31	2 3/4	1 1/2	337+40	419.79	420.30	10	1 1/2	339+00	419.64	420.30	6 3/8	1 1/2	341+80	420.45	420.59	-	1 5/8
335+00	419.89	420.30	3 3/8	1 1/2	337+45	419.79	420.30	10	1 1/2	339+20	419.70	420.30	5 3/4	1 1/2	342+00	420.60	420.68	-	1 1/2
335+20	419.87	420.30	3 5/8	1 1/2	337+49.53	419.79	420.30	18 1/2	1 1/2	339+40	419.75	420.30	5 1/8	1 1/2	342+20	420.76	420.79	-	1 1/2
335+40	419.86	420.30	3 3/4	1 1/2	337+64	419.79	420.30	18 1/2	1 1/2	339+60	419.79	420.30	4 5/8	1 1/2	342+40	420.91	420.91	-	1 1/2
335+60	419.85	420.30	3 7/8	1 1/2	337+78.47	419.79	420.30	18 1/2	1 1/2	339+80	419.80	420.30	4 1/2	1 1/2	342+50	420.98	420.98	-	1 1/2

PROPOSED HMA SHOULDER THICKNESS																			
STATION	PR HMA SHLD LEFT WIDTH (FOOT)	PR HMA SHLD LEFT THICK (INCHES)	PR HMA SHLD RIGHT WIDTH (FOOT)	PR HMA SHLD RIGHT THICK (INCHES)	STATION	PR HMA SHLD LEFT WIDTH (FOOT)	PR HMA SHLD LEFT THICK (INCHES)	PR HMA SHLD RIGHT WIDTH (FOOT)	PR HMA SHLD RIGHT THICK (INCHES)	STATION	PR HMA SHLD LEFT WIDTH (FOOT)	PR HMA SHLD LEFT THICK (INCHES)	PR HMA SHLD RIGHT WIDTH (FOOT)	PR HMA SHLD RIGHT THICK (INCHES)	STATION	PR HMA SHLD LEFT WIDTH (FOOT)	PR HMA SHLD LEFT THICK (INCHES)	PR HMA SHLD RIGHT WIDTH (FOOT)	PR HMA SHLD RIGHT THICK (INCHES)
333+20	2	1 1/2	2	1 1/2	336+00	5	1 1/2	2	5 3/8	337+85	5	1 1/2	2	8	340+20	5	1 1/2	2	5 1/4
333+40	2	1 1/2	2	1 1/2	336+20	5	1 1/2	2	5 1/2	337+90	5	1 1/2	2	8	340+40	5	1 1/2	2	4 3/4
333+60	2	1 1/2	2	1 1/2	336+40	5	1 1/2	2	5 7/8	337+95	5	1 1/2	2	8	340+60	5	1 1/2	2	4 1/8
333+80	2	2	2	2	336+60	5	1 1/2	2	6	337+98	5	1 1/2	2	8	340+75	5	1 1/2	2	3 3/4
334+00	2	2 3/8	2	2 3/8	336+80	5	1 1/2	2	6 1/8	338+00	5	1 1/2	2	6 1/2	340+80	2	3 5/8	2	3 5/8
334+20	2	2 5/8	2	2 5/8	337+00	5	1 1/2	2	6 3/8	338+20	5	1 1/2	2	7 5/8	341+00	2	3 1/2	2	3 1/2
334+40	2	3	2	3	337+20	5	1 1/2	2	8	338+40	5	1 1/2	2	8 1/8	341+20	2	2 3/4	2	2 3/4
334+60	2	3 5/8	2	3 5/8	337+30	5	1 1/2	2	8	338+60	5	1 1/2	2	8 1/4	341+40	2	2 1/4	2	2 1/4
334+65	5	1 1/2	2	3 3/4	337+35	5	1 1/2	2	8	338+80	5	1 1/2	2	8 1/4	341+60	2	2	2	2
334+80	5	1 1/2	2	4 1/4	337+40	5	1 1/2	2	8	339+00	5	1 1/2	2	7 7/8	341+80	2	1 5/8	2	1 5/8
335+00	5	1 1/2	2	4 7/8	337+45	5	1 1/2	2	8	339+20	5	1 1/2	2	7 1/4	342+00	2	1 1/2	2	1 1/2
335+20	5	1 1/2	2	5 1/8	337+49.53	5	1 1/2	5	1 1/2	339+40	5	1 1/2	2	6 5/8	342+20	2	1 1/2	2	1 1/2
335+40	5	1 1/2	2	5 1/4	337+64	5	1 1/2	5	1 1/2	339+60	5	1 1/2	2	6 1/8	342+40	2	1 1/2	2	1 1/2
335+60	5	1 1/2	2	5 3/8	337+78.47	5	1 1/2	5	1 1/2	339+80	5	1 1/2	2	6	342+50	2	1 1/2	2	1 1/2

REMOVAL SCHEDULE						
LOCATION		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL		PAVED SHOULDER REMOVAL	
			MAINLINE	RT HMA BSE CSE	LEFT SHLD	RIGHT SHLD
STATION TO	STATION	SQ YD	SQ YD	SQ YD	SQ YD	
333+00	TO 333+30	87				
334+65	TO 335+70				29.2	
335+70	TO 337+30				44.4	44.4
337+30	TO 337+61		75.8	16.6	8.6	8.6
337+61	TO 337+87					
337+87	TO 337+98		26.9	5.9	3.1	3.1
337+98	TO 339+60				45.0	45.0
339+60	TO 340+75				31.9	
340+75	TO 342+20					
342+20	TO 342+50	87				
SUBTOTAL =		174	102.7	22.5	162.2	101.1
TOTAL =		174	126	264		

PAVEMENT MARKING SCHEDULE														
LOCATION			THERMOPLASTIC PVMT MARKING - LINE 4"			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER 2-WAY AMBER	SHORT TERM PVMT MARKING	TEMPORARY PVMT MARKING - LINE 4"			TEMPORARY PAVEMENT MARKING LINE 6"	PAVEMENT MARKING REMOVAL SQ FT	WORK ZONE PAVEMENT MARKING REMOVAL SQ FT
			CENTERLINE SKIP-DASH		EDGE LINE WHITE				CENTERLINE SKIP-DASH YELLOW	EDGE LINE WHITE				
			YELLOW	LEFT FOOT	RIGHT FOOT					LEFT FOOT	RIGHT FOOT			
STA TO	STA	FOOT	FOOT	FOOT	EACH	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	SQ FT	
333+00	TO 342+50	240	950	950	13	13	504	200	804.5	804.5	675.0	80.0	1108.5	
TOTAL =		2140			13	13	504	1809		675	80	1109		

NOTE: TEMPORARY PVMT MARKING IS CALCULATED FROM STOP BAR TO STOP BAR.

SLOPE PROTECTION RIPRAP SCHEDULE		
LOCATION	STONE RIPRAP, CLASS A4	FILTER FABRIC
	SQ YD	SQ YD
NW QUADRANT	58	58
NE QUADRANT	36.4	36.4
SW QUADRANT	41.7	41.7
SE QUADRANT	41.5	41.5
SUBTOTAL	177.6	177.6
TOTAL =	178	178

RESURFACING SCHEDULE																			
LOCATION			AGGREGATE (PRIME COAT)		BITUMINOUS MATERIALS (PRIME COAT)		HOT-MIX ASPHALT BINDER COURSE		AGGREGATE BASE COURSE, TYPE A 12"		HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BASE COURSE, 8 1/4"		STONE RIPRAP, CLASS A2		HOT-MIX ASPHALT SHOULDERS		AGGREGATE SHOULDERS, TY A 6"	
			STAGE I	STAGE II	STAGE I	STAGE II	STAGE I	STAGE II	STAGE I	STAGE II		LT	RT	LT	RT	LT	RT	LT	RT
STATION TO	STATION	TON		TON		TON		SQ YD		TON	SQ YD		TON		TON		SQ YD		
333+00	TO 334+65	0.30	0.30	0.06	0.06					49.2						4.5	4.5	55.0	55.0
334+65	TO 335+70	0.19	0.19	0.04	0.04	23.5	23.5	73.4		21.6	58.3					4.9	6.2		35.0
335+70	TO 337+30	0.28	0.28	0.06	0.06	47.5	47.5	111.9		32.9	88.9	85.9				7.5	12.1		53.3
337+30	TO 337+49.53					13.4	13.4	40.4	34.0	4.0	10.8	10.5				0.9	1.9		6.5
337+49.53	TO 337+61					25.1	25.1			2.4		6.2	2.2	1.6		0.5	0.5		
337+61	TO 337+78.47					38.2	38.2			3.6			3.3	2.4		0.8	0.8		
337+78.47	TO 337+87					5.8	5.8	17.7	14.8	1.8		4.7				0.4	0.8		2.8
337+87	TO 337+98					7.5	7.5	22.8	19.1	2.3		6.1	5.9			0.5	1.1		3.7
337+98	TO 339+60	0.30	0.30	0.06	0.06	73.6	73.6	113.3		33.3	90.0	87.0				7.6	14.9		54.0
339+60	TO 340+75	0.21	0.21	0.04	0.04	28.3	28.3	80.4		23.6	63.9					5.4	7.0		38.3
340+75	TO 342+50	0.32	0.32	0.07	0.07					52.2						4.7	4.7	58.3	58.3
SUBTOTAL =		1.60	1.60	0.33	0.33	262.9	262.9	459.7	68.0	226.7	322.8	195.5	5.5	4.0	37.7	54.7	113.3	307.0	
TOTAL =		4		0.7		526		528		227	519	10	93		421				

GUARDRAIL SCHEDULE						
LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER - DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH
NB IL 4		443.75	31.25		5	
SB IL 4		443.75	31.25		5	
NE QUADRANT	223.7			1		1
NW QUADRANT	223.8			1		1
SE QUADRANT	223.3			1		1
SW QUADRANT	223.5			1		1
TOTAL =	895	887.5	62.5	4	10	4

TEMPORARY RAMP SCHEDULE					
LOCATION		WIDTH	LENGTH	TEMPORARY RAMP	
STATION TO	STATION	FOOT	FOOT	SQ YD	
333+00	TO 333+05	26	5	14.44	
342+45	TO 342+50	26	5	14.44	
SUBTOTAL =				28.89	
TOTAL =				29	

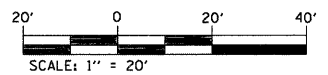
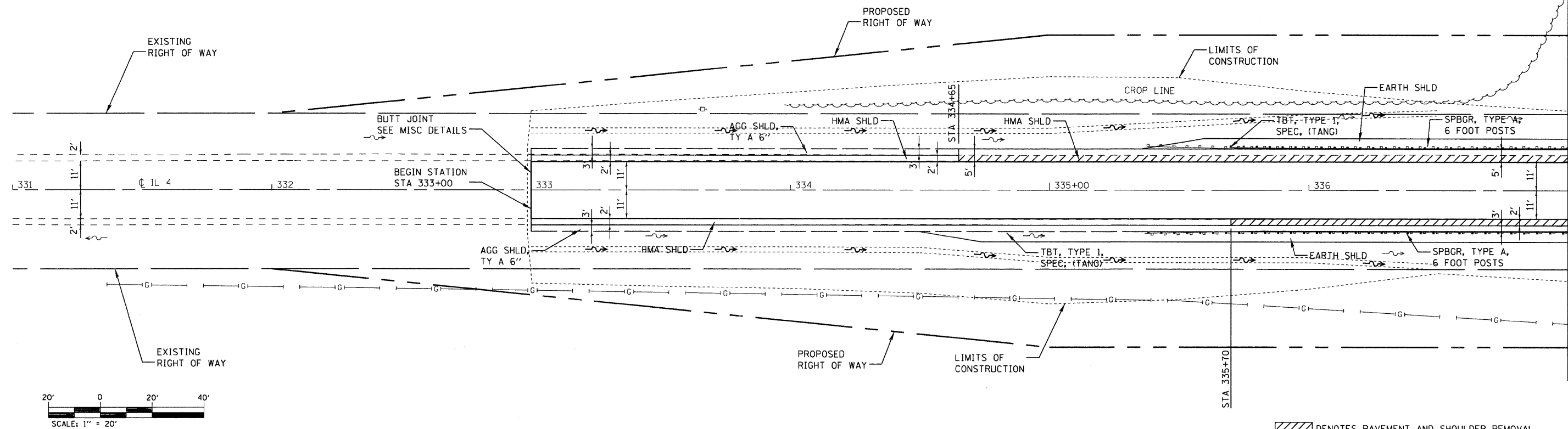
STAGING SCHEDULE					
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	TEMPORARY RUMBLE STRIP
	FOOT	FOOT	EACH	EACH	EACH
STAGE I	350		2		
STAGE II		325		2	
STAGE I & II					6
TOTAL =	350	325	2	2	6

EARTHWORK SCHEDULE						
LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJ FOR SHRINKAGE (25%)	CHANNEL EXCAVATION	FURNISHED EXCAVATION	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
SECTION 47-1BR						
333+00	TO 333+50	115.3	86.5			86.5
333+50	TO 334+00	140.9	105.7			105.7
334+00	TO 334+50	184.5	138.4			138.4
334+50	TO 335+00	241.0	180.8		1.4	179.4
335+00	TO 335+50	249.6	187.2		13.4	173.8
335+50	TO 336+00	156.8	117.6		21.4	96.2
336+00	TO 336+50	47.5	35.6		26.2	9.4
336+00	TO 337+00	4.8	3.6		50.4	-46.8
337+00	TO 337+30	0.1	0.1		40.2	-40.1
337+30	TO 337+48.53	0.0	0.0		164.0	-164.0
337+48.53	TO 337+78.47			192		
337+78.47	TO 337+98	0.0	0.0		197.9	-197.9
337+98	TO 338+00	3.1	2.3		41.7	-39.4
338+00	TO 338+50	16.1	12.1		157.2	-145.1
338+50	TO 339+00	13.9	10.4		117.9	-107.5
339+00	TO 339+50	11.7	8.8		112.4	-103.6
339+50	TO 340+00	23.8	17.9		74.3	-56.5
340+00	TO 340+50	34.8	26.1		44.6	-18.5
340+50	TO 341+00	27.1	20.3		21.9	-1.6
341+00	TO 341+50	13.6	10.2		5.1	5.1
341+50	TO 342+00	6.9	5.2		1.2	4.0
342+00	TO 342+50	9.4	7.1		1.0	6.1
TOTAL =		1301	976	192	1092	-117

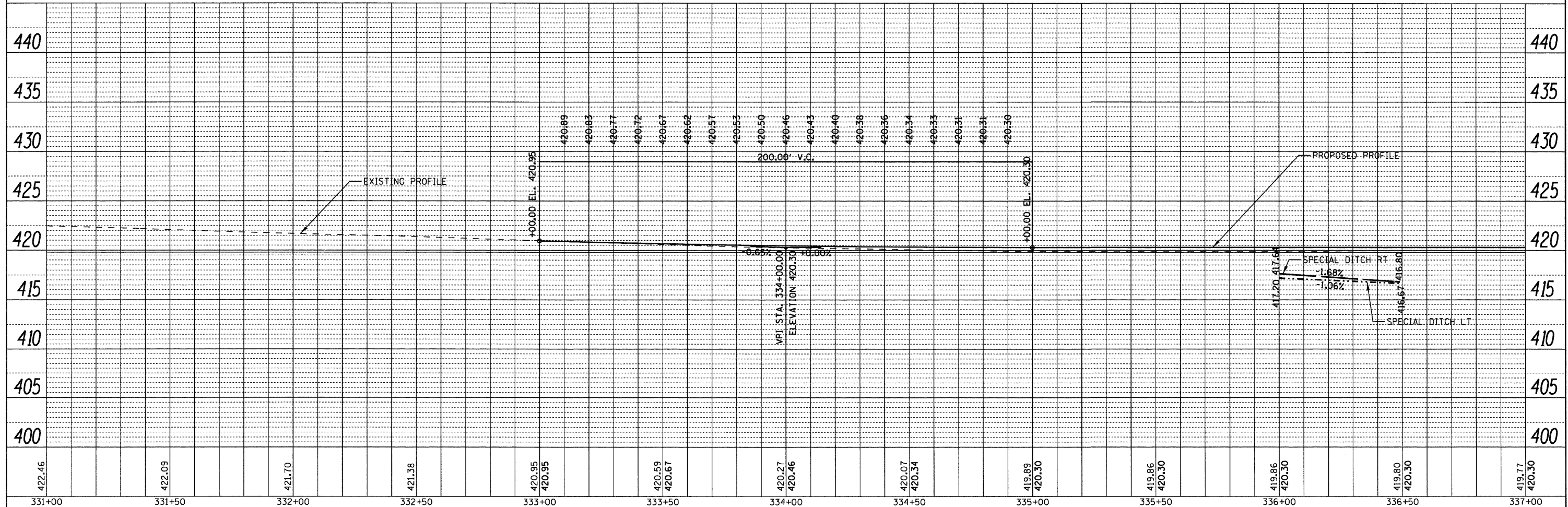
ROW MARKERS SCHEDULE			
LOCATION			FURNISHING & ERECTING RIGHT-OF-WAY MARKERS
STATION	OFFSET (FT)	RT/LT	EACH
332+00.00	29.49	LT	1
332+00.00	30.51	RT	1
335+00.00	59.52	LT	1
335+00.00	60.48	RT	1
339+00.00	59.55	LT	1
339+00.00	60.45	RT	1
339+70.44	52.51	LT	1
339+66.13	53.83	RT	1
342+00.00	29.58	LT	1
342+00.00	30.42	RT	1
TOTAL =			10

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO. OF WAY CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHFD		



DENOTES PAVEMENT AND SHOULDER REMOVAL



422.46	422.09	421.70	421.38	420.95	420.95	420.59	420.67	420.27	420.46	420.07	420.34	419.89	420.30	419.86	420.30	419.86	420.30	419.80	420.30	419.77	420.30
331+00	331+50	332+00	332+50	333+00	333+00	333+50	334+00	334+00	334+00	334+50	335+00	335+00	335+00	336+00	336+00	336+00	336+50	337+00	337+00	337+00	337+00

FILE NAME =
 c:\pwork\pwidot\thorpr\idms84068\0876388\sh-plot.dgn

USER NAME = thorpr1
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

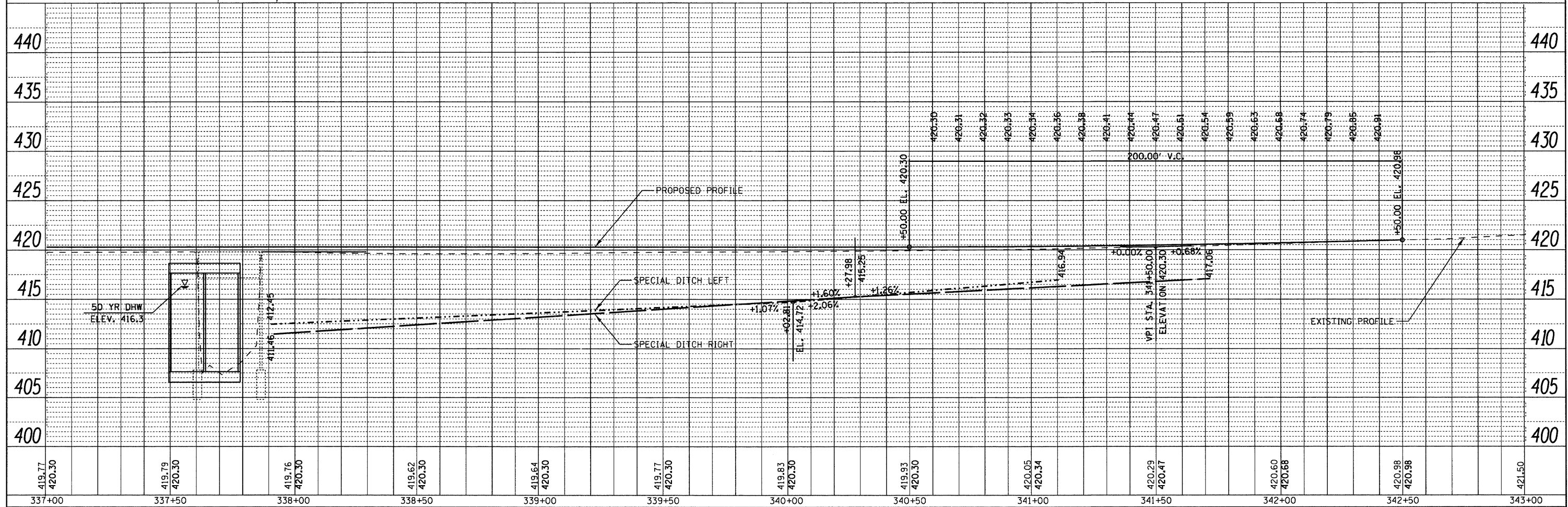
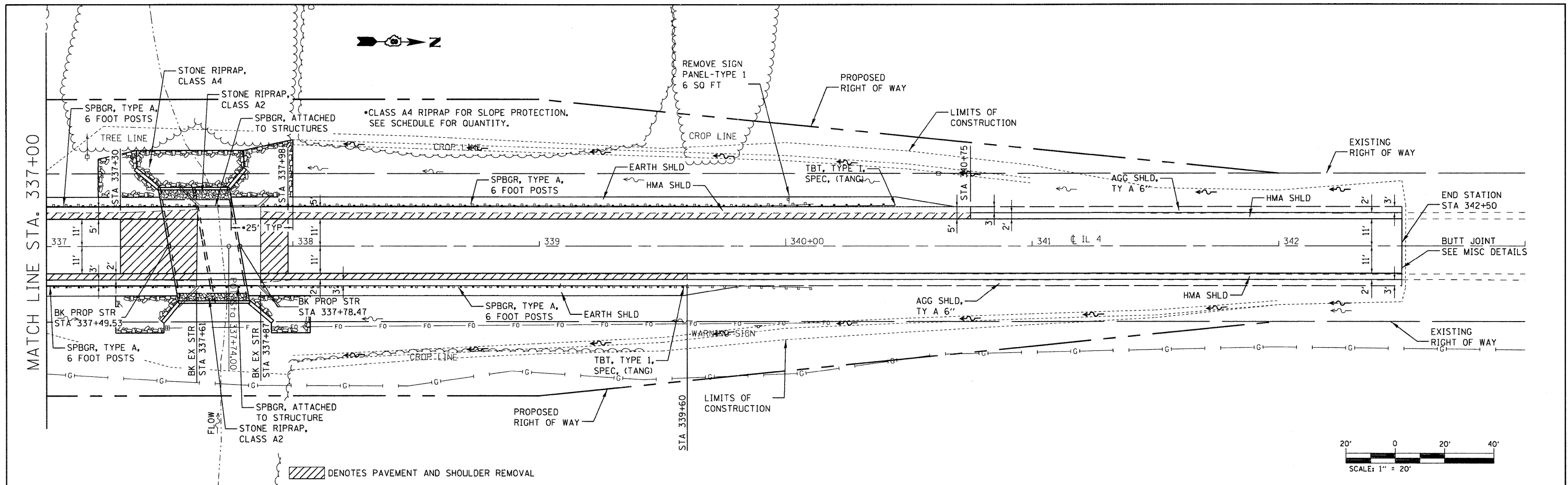
PLAN AND PROFILE SHEET

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. 331+00 TO STA. 337+00

F.A.P. RTE. 680	SECTION 47-1BR	COUNTY ST. CLAIR	TOTAL SHEETS 44	SHEET NO. 12
CONTRACT NO. 76388				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

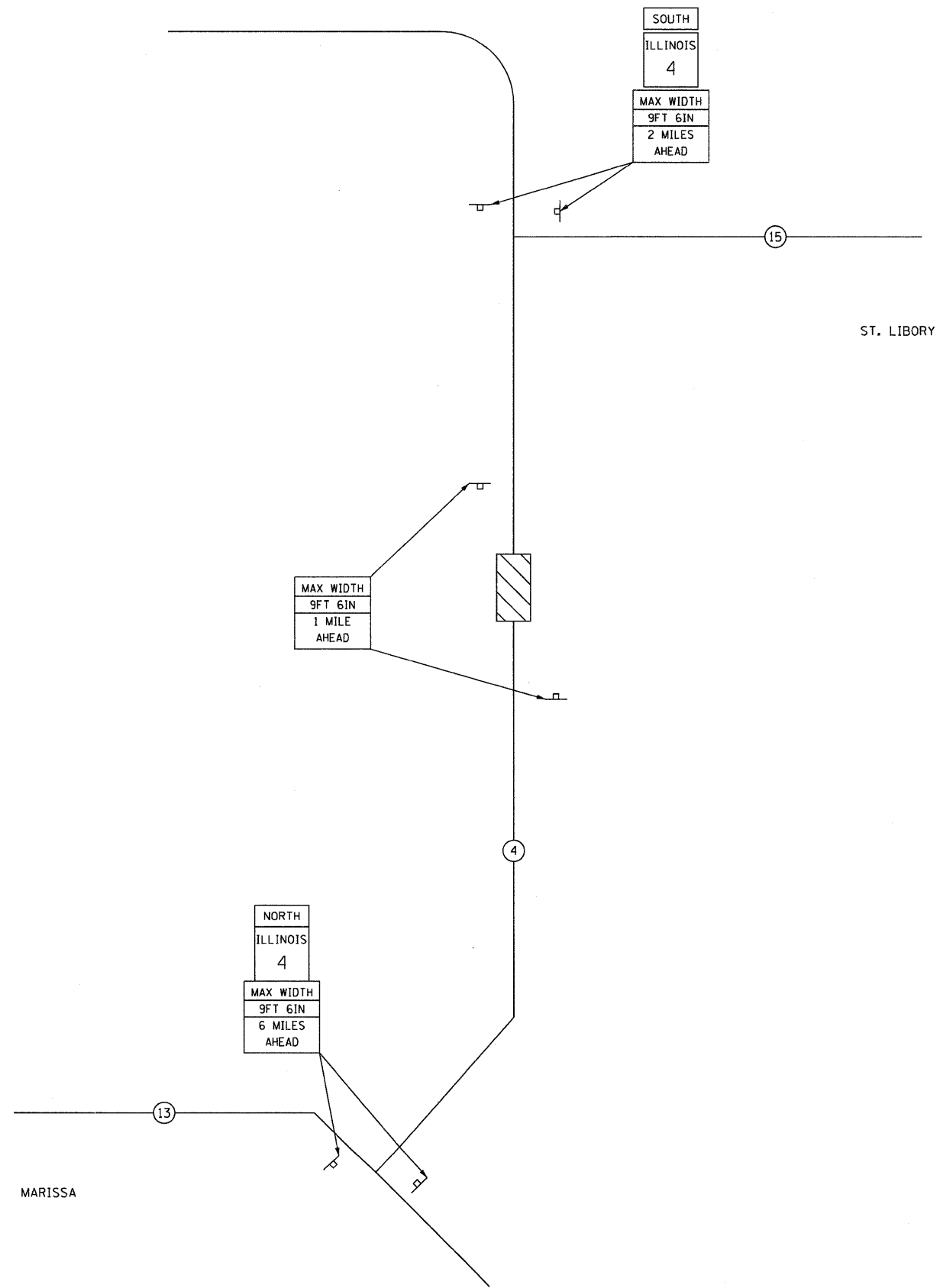
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHFD		



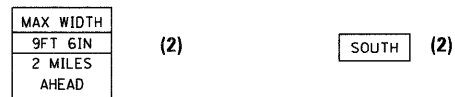
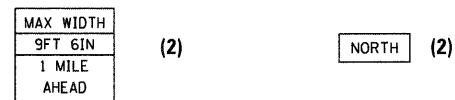
FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\work\pwidot\tharp1\dms84068\0876388-sht-plan.dgn		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 337+00 TO STA. 343+00	680	47-1BR	ST. CLAIR	44	13
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 76388							
PLOT DATE = 10/20/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

NOTES:

1. ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY R.E./R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND SHALL RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE AT (618)346-3289.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR WIDE LOAD SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.



SIGNS REQUIRED



FILE NAME =	USER NAME = therpr1	DESIGNED -	REVISED -
cs:\pw_work\pwidot\therpr1\dms84268\0876888-sht-WideLoad.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/20/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDE LOAD SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	47-1BR	ST. CLAIR	44	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76388	

SUGGESTED SEQUENCE OF CONSTRUCTION

PRE - STAGE I:

REMOVE EXISTING HMA SHOULDERS (RIGHT) TO THE LIMITS DEFINED IN THE REMOVAL SCHEDULE.
 CONSTRUCT ± 4'-10" HMA BASE CSE 8 1/4" IN THE NORTHEAST AND SOUTHEAST QUADRANTS.
 TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION, STANDARD 701326.

STAGE I:

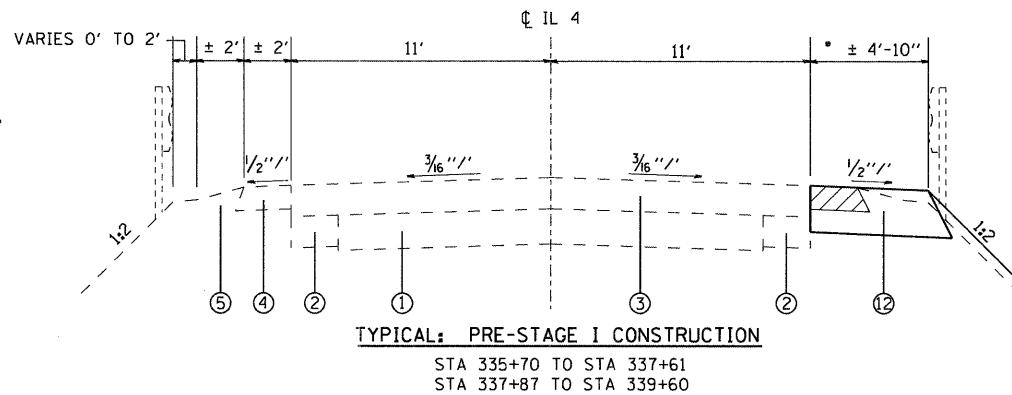
PLACE STOP BARS AS SHOWN ON PLANS.
 REMOVE CONFLICTING SKIP-DASH PAVEMENT MARKING BETWEEN STOP BARS.
 PLACE 350 FOOT TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.
 SEE STANDARD 701321 FOR DETAILS NOT SHOWN ON PLANS.
 REMOVE EXISTING HMA SHOULDERS (LEFT) TO THE LIMITS DEFINED IN THE REMOVAL SCHEDULE.
 REMOVE EXISTING PAVEMENT (MAINLINE) & EXISTING STRUCTURE FOR STAGE I.
 CONSTRUCT ± 5' HMA BASE CSE 8 1/4" IN THE NORTHWEST AND SOUTHWEST QUADRANTS AS SHOWN ON PLANS.
 CONSTRUCT PROPOSED STRUCTURE AND HMA BINDER CSE FOR STAGE I CONSTRUCTION.
 INSTALL GUARDRAIL FOR STAGE I CONSTRUCTION ACCOUNTING FOR FINAL RDWY ELEVATIONS.
 PERFORM ANY ADDITIONAL NECESSARY WORK FOR STAGE I CONSTRUCTION.

STAGE II:

RELOCATE 325 FT TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.
 REMOVE EXISTING PAVEMENT (MAINLINE) & EXISTING STRUCTURE FOR STAGE II.
 CONSTRUCT PROPOSED STRUCTURE AND HMA BINDER CSE FOR STAGE II CONSTRUCTION.
 INSTALL GUARDRAIL FOR STAGE II CONSTRUCTION ACCOUNTING FOR FINAL RDWY ELEVATIONS.
 PERFORM ANY ADDITIONAL NECESSARY WORK FOR STAGE II CONSTRUCTION.

POST - STAGE II:

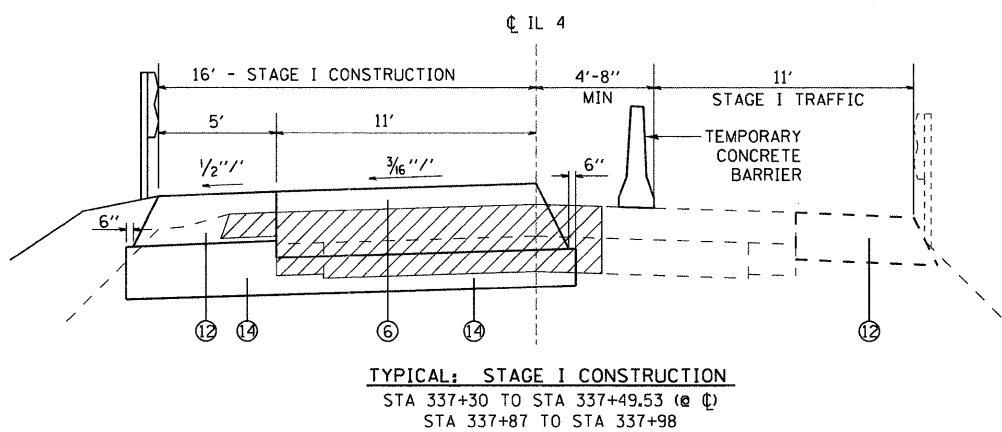
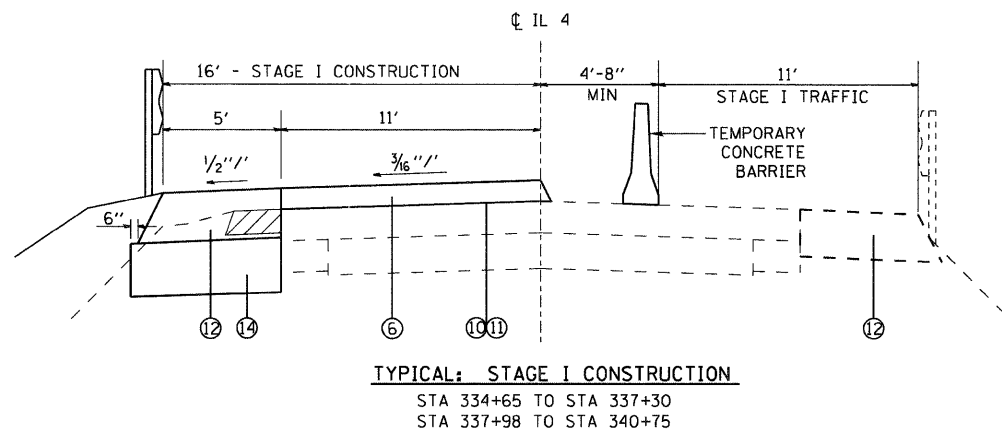
MILL EACH END OF THE PROJECT AS REQUIRED FOR HMA SURFACE REMOVAL - BUTT JOINT.
 PLACE HMA SURFACE COURSE ON THE RDWY.
 PLACE HMA SHOULDERS TO OBTAIN THE FINAL ELEVATION.
 PLACE AGGREGATE SHOULDERS.
 TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION, STANDARD 701306.
 APPLY PAVEMENT MARKINGS UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701311.
 PERFORM ANY ADDITIONAL WORK REQUIRED.



• IT APPEARS FEASIBLE FOR A WIDTH OF ± 4'-10" TO BE CONSTRUCTED WITHOUT DISTURBING THE EXISTING GUARDRAIL. EXISTING GUARDRAIL IS TO REMAIN IN PLACE FOR STAGE I TRAFFIC AND SHALL NOT BE DISTURBED TO CONSTRUCT HMA BASE COURSE. IF NECESSARY, WIDTH MAY BE MODIFIED PROVIDED AN 11' LANE IS PRESENT FOR STAGE I TRAFFIC.

LEGEND

- ① EXISTING P.C.C. PAVEMENT - 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDERS 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

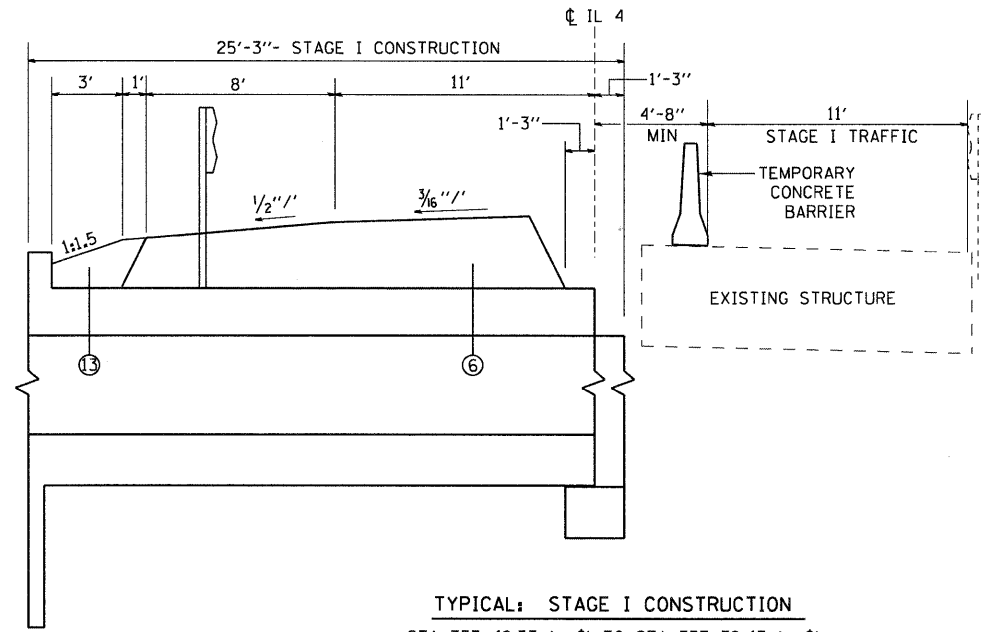


DENOTES REMOVAL

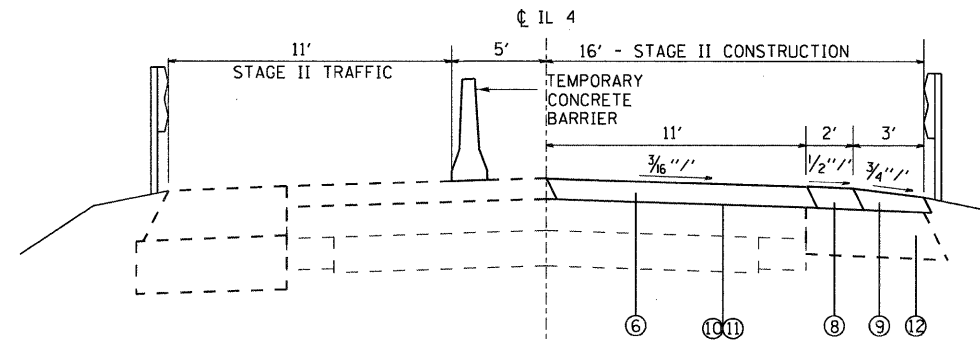
NOTES:

HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
 SECTIONS LOOKING NORTH.
 SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

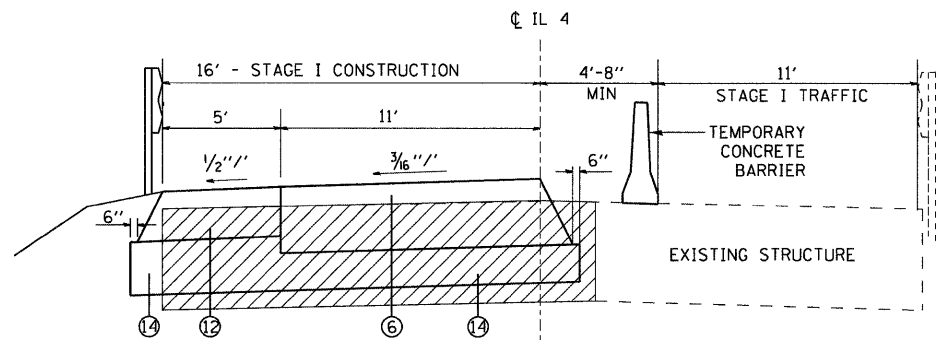
FILE NAME =	USER NAME = tharpri	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\dot\tharpri\dms84068\0876888-sht-stage1.dgn		DRAWN -	REVISED -					680	47-1BR	St Clair	44	15
PLOT SCALE = 20.0000 / 1 in.		CHECKED -	REVISED -		CONTRACT NO. 76388							
PLOT DATE = 10/20/2011		DATE -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



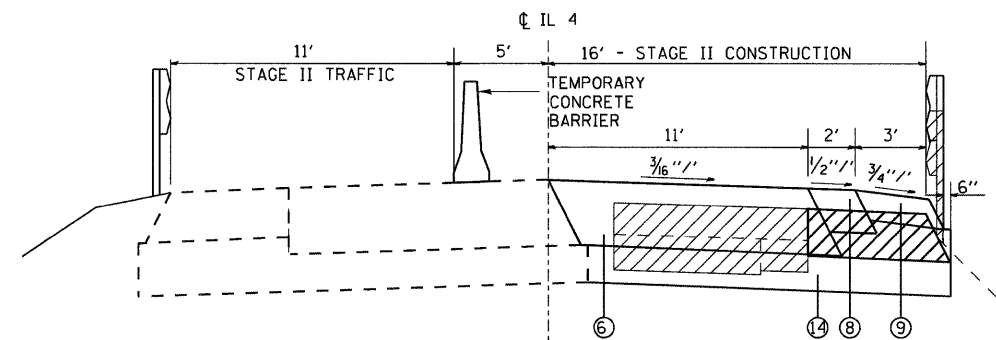
TYPICAL: STAGE I CONSTRUCTION
 STA 337+49.53 (± CL) TO STA 337+78.47 (± CL)



TYPICAL: STAGE II CONSTRUCTION
 STA 334+65 TO STA 337+30
 STA 337+98 TO STA 340+75



TYPICAL: STAGE I CONSTRUCTION
 STA 337+78.47 (± CL) TO STA 337+87



TYPICAL: STAGE II CONSTRUCTION
 STA 337+30 TO STA 337+49.53 (± CL)
 STA 337+87 TO STA 337+98

LEGEND

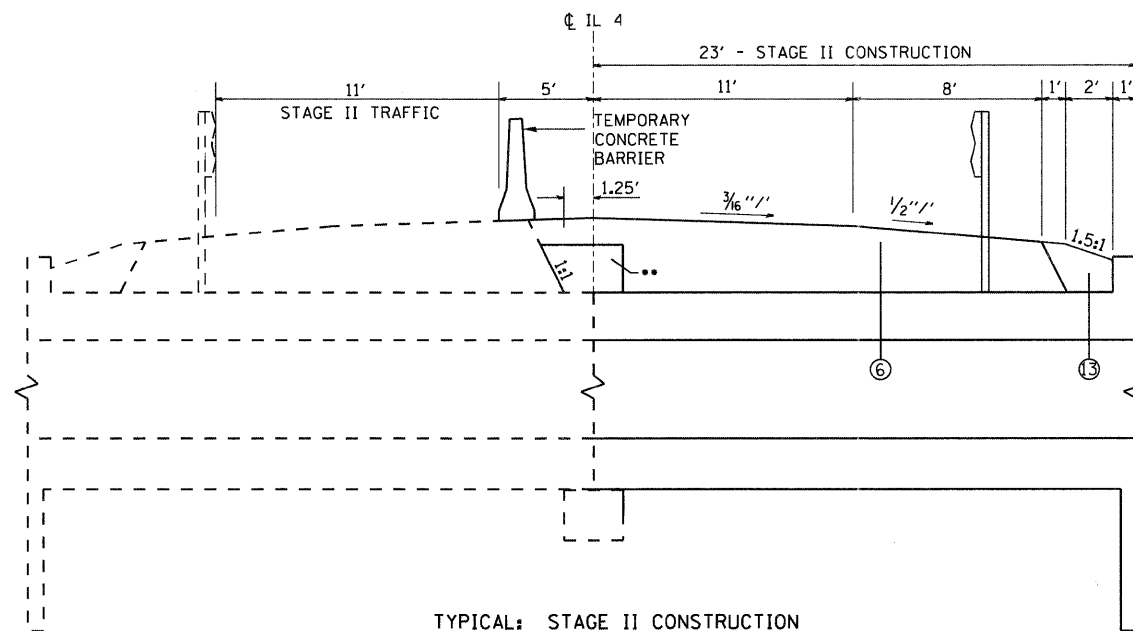
- ① EXISTING P.C.C. PAVEMENT - 9'-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDERS 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

DENOTES REMOVAL

NOTES:

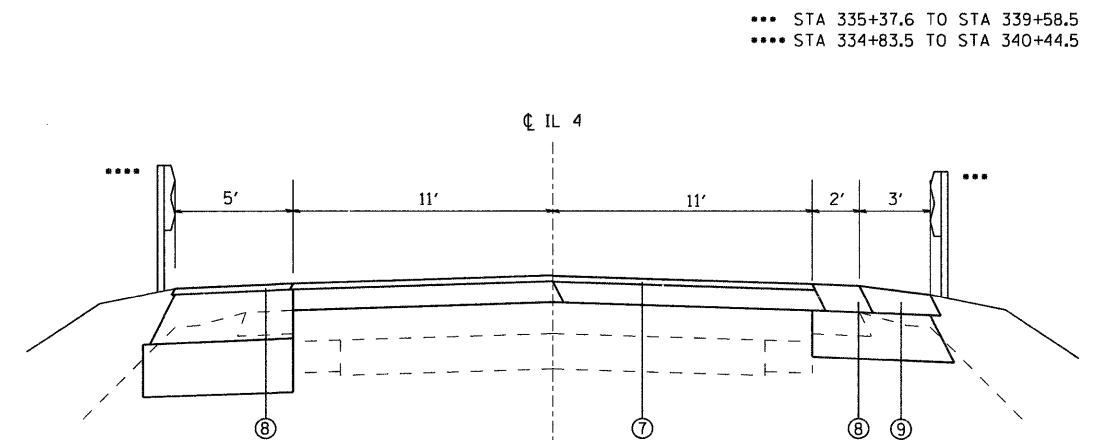
HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
 SECTIONS LOOKING NORTH.
 SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

FILE NAME =	USER NAME = thprp1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr:\pw_work\pwr\dot\thprp1\dms84068\0876898-ah-t-stage1.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 2 OF 3 SHEETS	STA. TO STA.	680	47-1BR	SPR CLAIR	44	16
		CHECKED -	REVISED -					CONTRACT NO. 76388				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

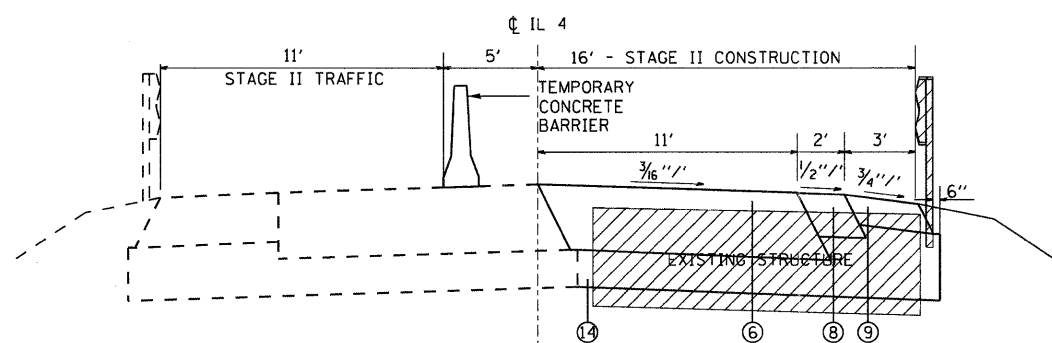


TYPICAL: STAGE II CONSTRUCTION
 STA 337+49.53 @ CL TO STA 337+78.47 @ CL

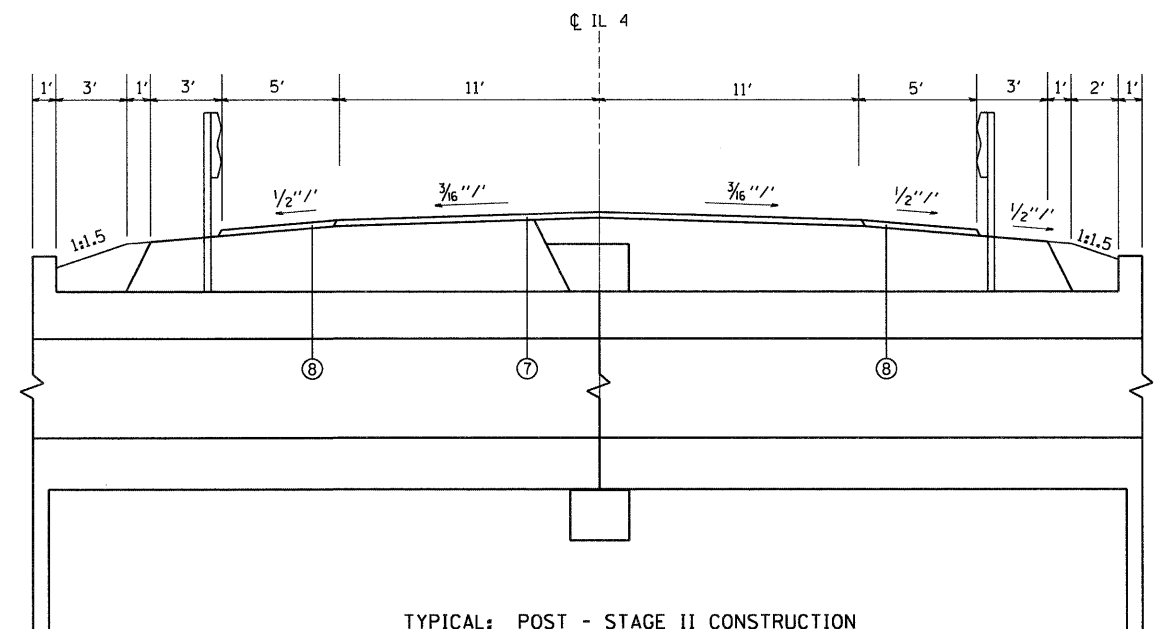
•• SUGGESTED METHOD OF CONSTRUCTION: FORM SETTLEMENT COLLAR AGAINST 1:1 SLOPE



TYPICAL: POST - STAGE II CONSTRUCTION
 STA 333+00 TO STA 337+49.53 @ CL
 STA 337+78.47 @ CL TO STA 342+50



TYPICAL: STAGE II CONSTRUCTION
 STA 337+78.47 @ CL TO STA 337+87



TYPICAL: POST - STAGE II CONSTRUCTION
 STA 337+49.53 @ CL TO STA 337+78.47 @ CL

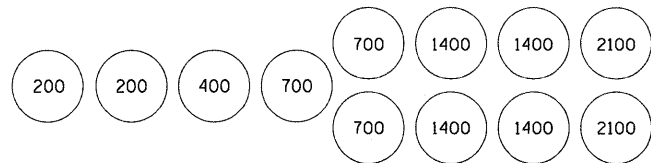
LEGEND

- ① EXISTING P.C.C. PAVEMENT - 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 8"
- ③ EXISTING BITUMINOUS RESURFACING ± 8"
- ④ EXISTING BITUMINOUS SHOULDERS 6"
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, VARIES 2 1/4" TO 18 1/2"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, VARIES 1 1/2" TO 8 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDERS TYPE A, 6"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8 1/4"
- ⑬ PROPOSED STONE RIPRAP, CLASS A2
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A 12"

DENOTES REMOVAL

NOTES:
 HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO THE CL.
 SECTIONS LOOKING NORTH.
 SIDE SLOPES ARE SHOWN AS A RATIO OF VERTICAL TO HORIZONTAL DISTANCES (V:H).

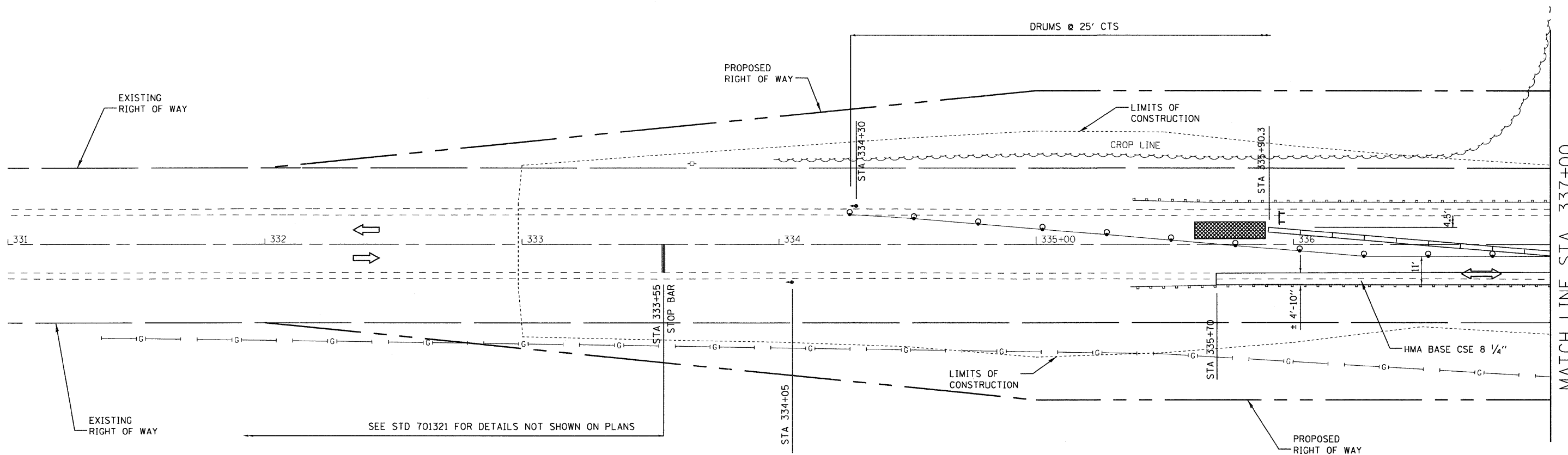
FILE NAME =	USER NAME = therpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pw_work\pwidot\therpr1\dms84068\0876888-sh2-stage1.dgn		DRAWN -	REVISED -		680	47-1BR	Stt Clair	44	17			
PLOT SCALE = 20.0000' / 1"		CHECKED -	REVISED -		SCALE: N/A SHEET NO. 3 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 76388				
PLOT DATE = 10/20/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



SAND MODULE IMPACT ATTENUATOR LAYOUT
(IF OPTION USED)

PLAN	SURVEYED	DATE
	PLANNED	
	NOTED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLANNED	
	NOTED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CRKD	



MATCH LINE STA. 337+00

LEGEND

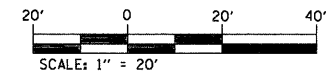
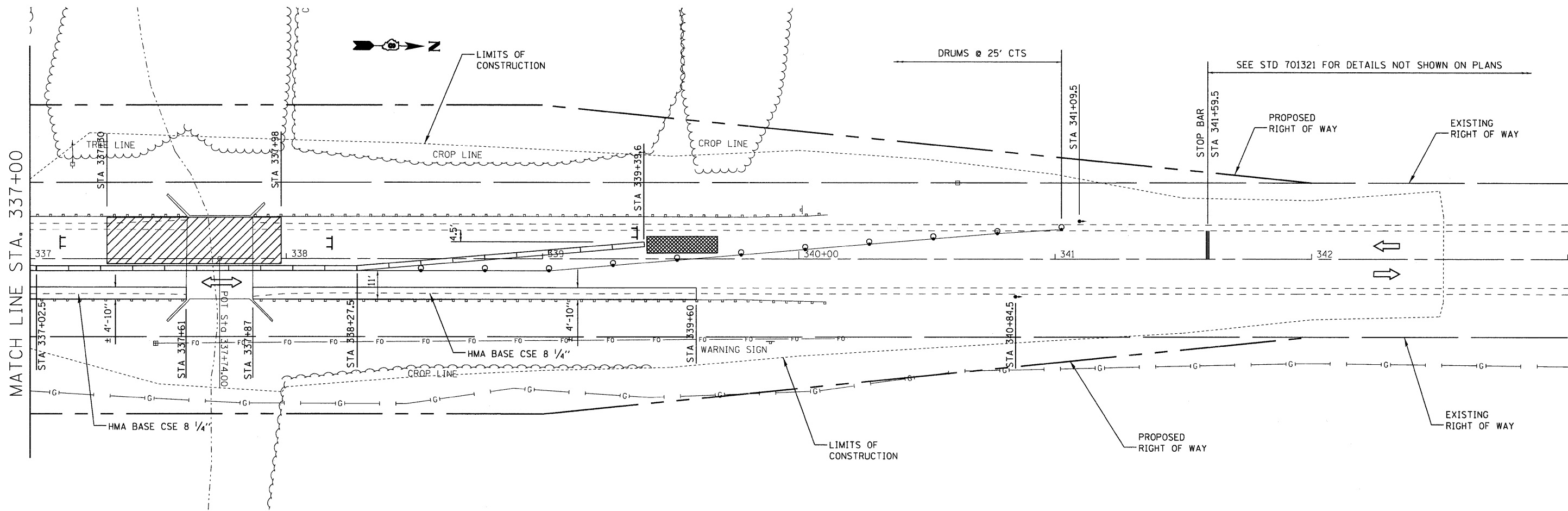
- WORK AREA
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- BARRELS WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- TYPE III BARRICADE



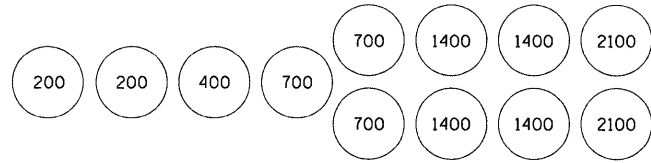
FILE NAME =	USER NAME = tharpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwidat\tharpr1\dms84068\DB7638B-sht-stage1.dgn	B-sht-stage1.dgn	DRAWN -	REVISED -			680	47-1BR	ST. CLAIR	44	18	
PLOT SCALE = 20.0000' / 1" = 20'		CHECKED -	REVISED -			CONTRACT NO. 76388					
PLOT DATE = 10/20/2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
	PLANNED	
	NOTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLANNED	
	NOTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



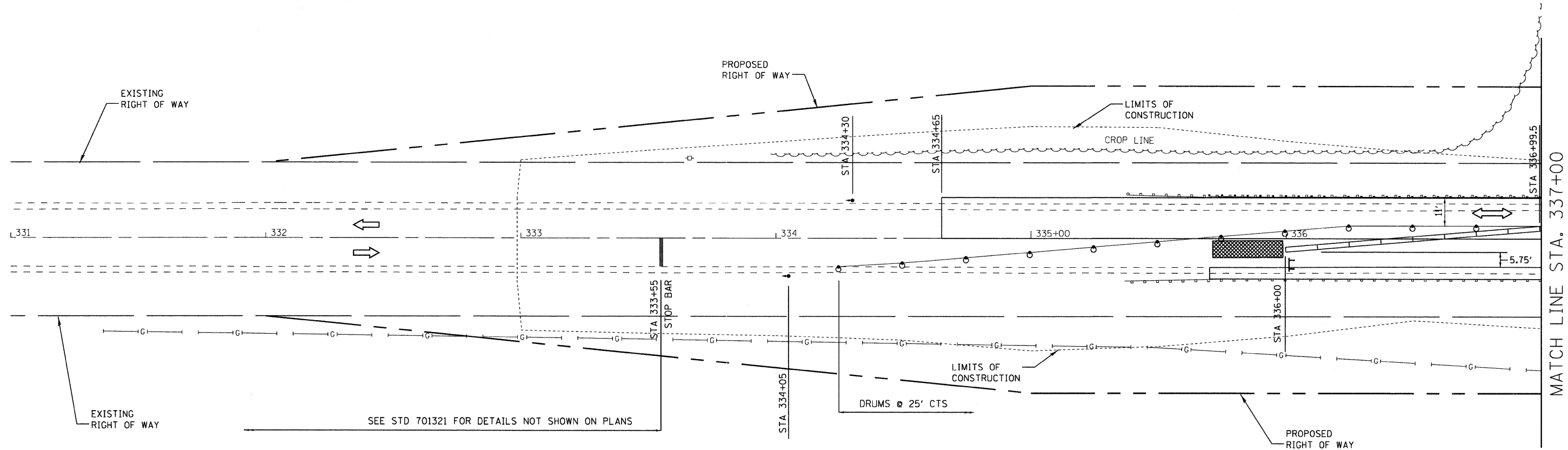
FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidat\tharp1\dms84068\DB76388-sh1-stage1.dgn		DRAWN -	REVISIED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 337+00 TO STA. 343+00	680	47-1BR	ST. CLAIR	44	19
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISIED -					CONTRACT NO. 76388				
PLOT DATE = 10/20/2011		DATE -	REVISIED -					ILLINOIS FED. AID PROJECT				



SAND MODULE IMPACT ATTENUATOR LAYOUT
(IF OPTION USED)

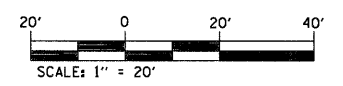
PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	DATE	



LEGEND

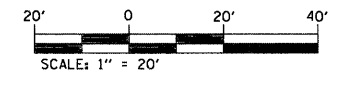
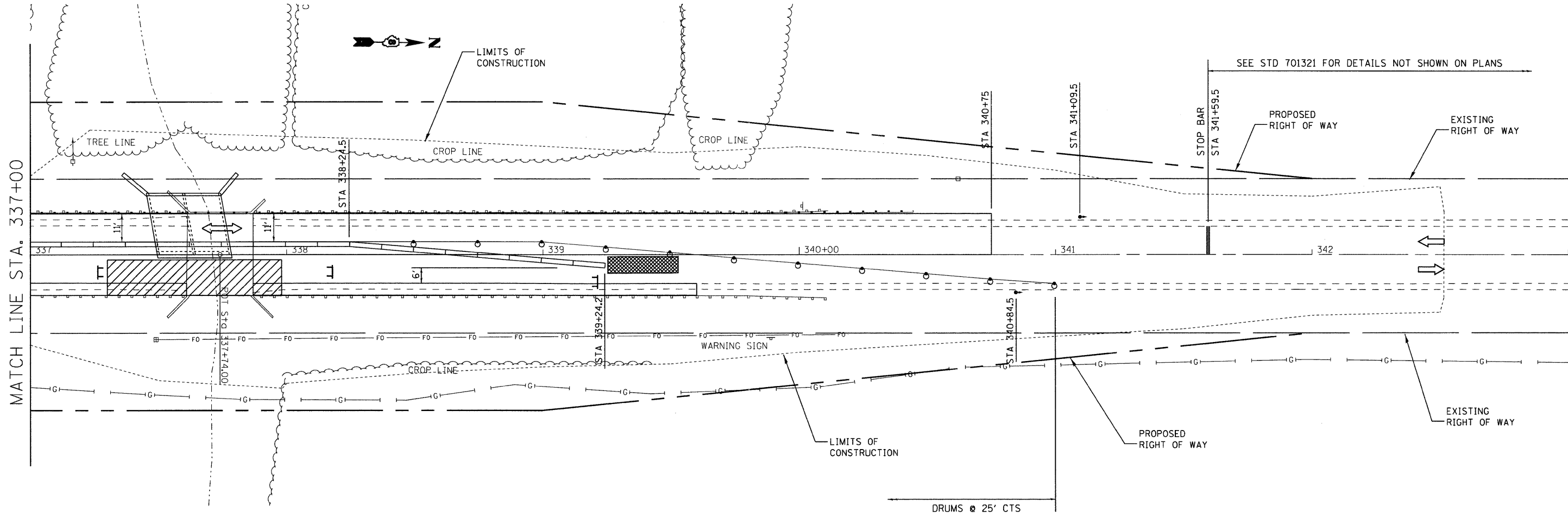
- WORK AREA
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- BARRELS WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- TYPE III BARRICADE



FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II CONSTRUCTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\p1\dot\tharp1\dmsB4068\DB76388-sht-stage2.dgn		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA. 331+00 TO STA. 337+00	680	47-1BR	ST. CLAIR	44	20
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 76388							
PLOT DATE = 10/20/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	PT. OF WAY CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



FILE NAME =	USER NAME = therpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II CONSTRUCTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidot\therpr1\dms84068\0876388-sh2-stage2.dgn		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 337+00 TO STA. 343+00	680	47-1BR	ST. CLAIR	44	21
		PLT SCALE = 20.0000' / 1in.	CHECKED -		REVISED -	CONTRACT NO. 76388						
		PLT DATE = 10/20/2011	DATE -		REVISED -	ILLINOIS FED. AID PROJECT						

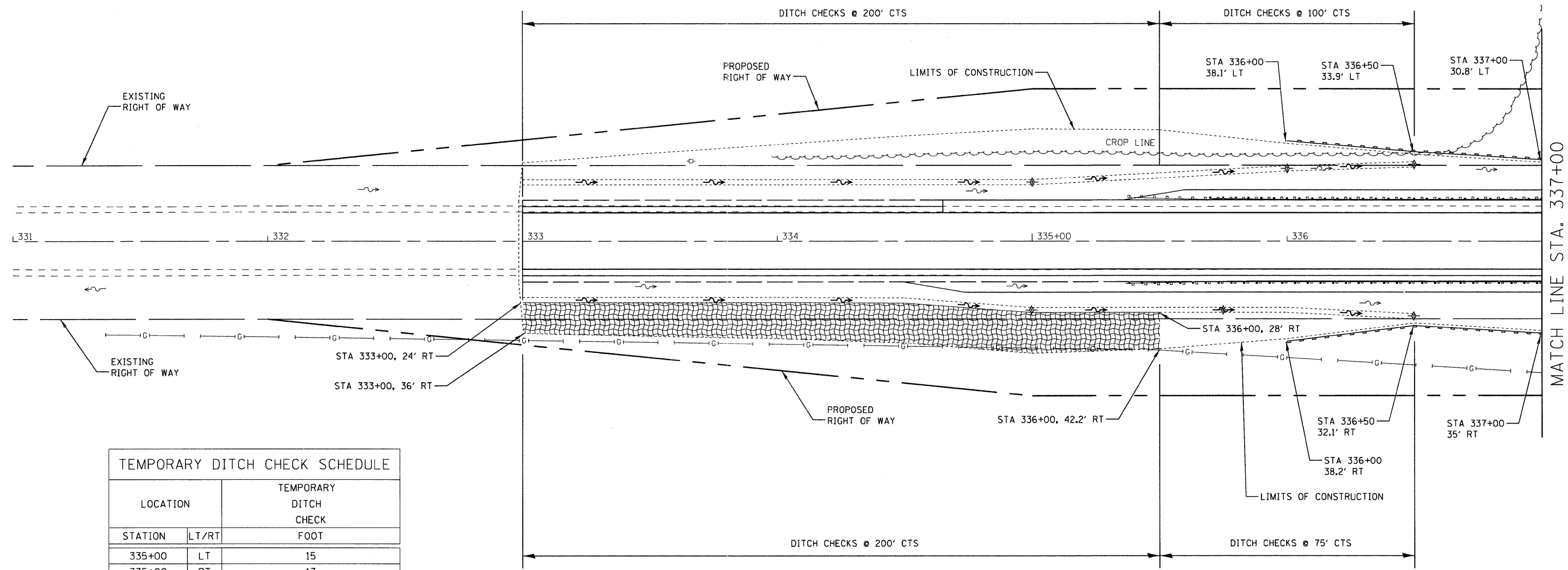
EROSION CONTROL SCHEDULE

LOCATION	PERIMETER EROSION BARRIER	EROSION CONTROL BLANKET	POTASSIUM FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	MULCH, METHOD 2	SEEDING CLASS 2	TEMPORARY EROSION CONTROL SEEDING
	FOOT	SQ YD	POUND	POUND	POUND	ACRE	ACRE	POUND
NW QUADRANT	162.6		24.8	24.8	24.8	1.00	0.20	59.5
NE QUADRANT	57.3		24.8	24.8	24.8	1.00	0.20	60.5
SW QUADRANT	150.8		24.8	24.8	24.8	1.00	0.20	58.8
SE QUADRANT	155.1	428.7	24.8	24.8	24.8	1.00	0.21	62.0
SUBTOTAL	525.8	428.7	99.0	99.0	99.0	4.0	0.81	240.8
TOTAL =	526	429	99	99	99	4	1.00	241



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	DATE	
	FILE NAME	

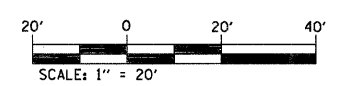


TEMPORARY DITCH CHECK SCHEDULE

LOCATION	TEMPORARY DITCH CHECK	
STATION	LT/RT	FOOT
335+00	LT	15
335+00	RT	13
335+75	RT	15
336+00	LT	15
336+50	LT	15
336+50	RT	15
339+00	RT	15
340+00	LT	15
340+00	RT	15
341+00	RT	15
342+00	RT	15
SUBTOTAL		163
TOTAL =		163

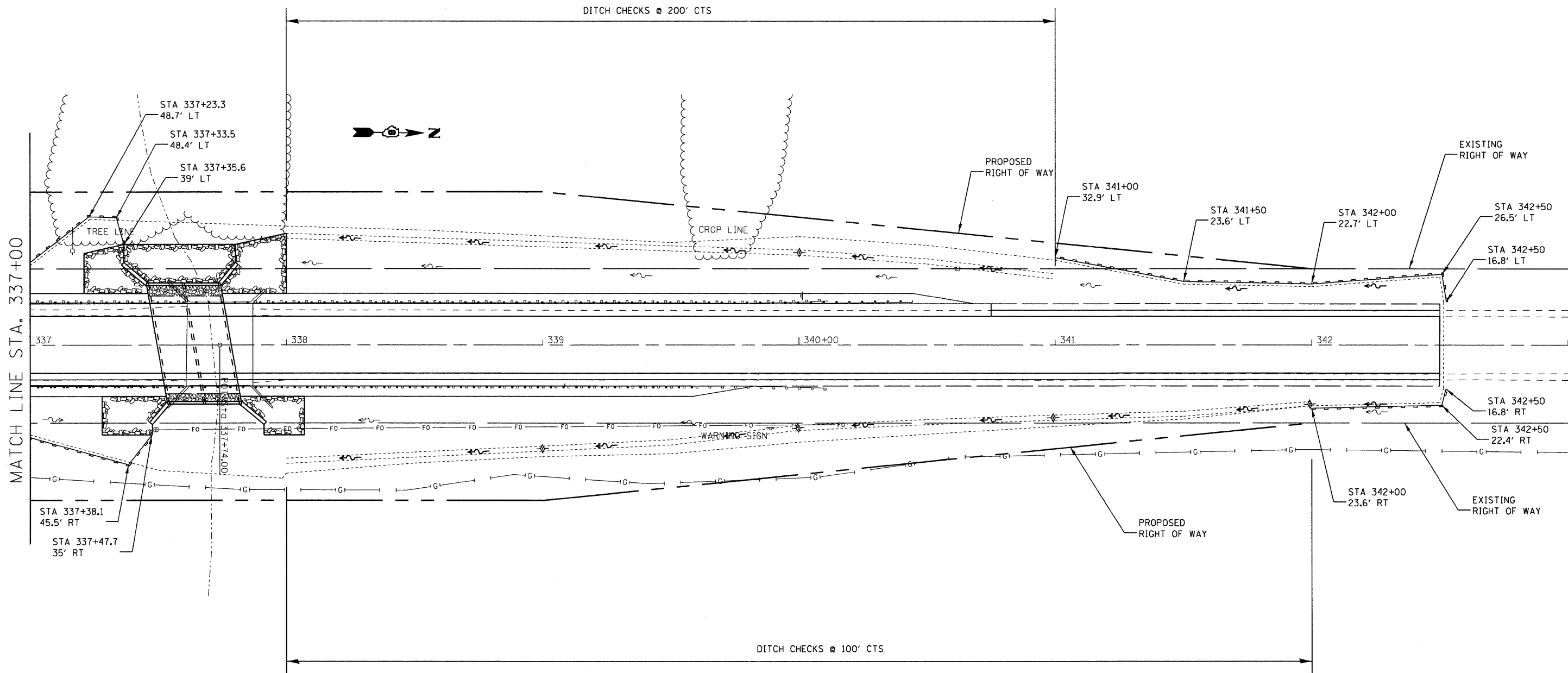
LEGEND

- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- TEMPORARY DITCH CHECK


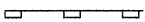



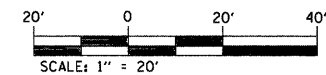
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



LEGEND

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  TEMPORARY DITCH CHECK



FILE NAME = c:\pwork\p\pidot\therpr\dm84068\087638	USER NAME = therpr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL			F.A.P. RTE. 680	SECTION 47-1BR	COUNTY ST. CLAIR	TOTAL SHEETS 44	SHEET NO. 23
	PLOT SCALE = 20.0000' / 1" =	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 337+00 TO STA. 343+00	CONTRACT NO. 76388				
	PLOT DATE = 10/20/2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL HANDHOLE	⊗	DRAINAGE FLOW LINE	→
TRAFFIC SIGNAL GULFBOX	⊙	RIP RAP	▨
TRAFFIC SIGNAL HANDHOLE	⊗	HEADWALL	—
TRAFFIC SIGNAL SIGNAL POST	⊙	CULVERT END SECTION	⊥
TRAFFIC SIGNAL STEEL MAST ARM	⊙	DRAINAGE MANHOLE	⊙
TRAFFIC SIGNAL COMBINED MAST ARM	⊙	INLET	⊙
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON	⊙	ROADWAY DITCH FLOW	→
TRAFFIC SIGNAL WOODEN POLE	⊙	VEGETATION LINE	⊖
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY	⊙	STUMP	⊙
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET	⊙	SHRUB	⊙
TRAFFIC SIGNAL JUNCTION BOX	⊙	EVERGREEN TREE	⊙
TRAFFIC SIGNAL CONTROLLER	⊙	DECIDUOUS TREE	⊙
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE	⊙	WOODS/BUSH PATTERN	⊖
RAILROAD CANTILEVER MAST ARM	⊙	TRAFFIC SIGN	⊙
RAILROAD CROSSBUCK	⊙	GAURDRAIL POST	⊙
RAILROAD TRACK PATTERN	⊙	GAURDRAIL PATTERN	⊙
RAILROAD ABANDON PATTERN	⊙	FIELD LINE	⊙
RAILROAD CROSSGATE	⊙	LEVEE/NOISE BARRIER	⊙
RAILROAD CONTROL BOX	⊙	FENCE PATTERN	⊙
RAILROAD FLASHING SIGNAL	⊙	MAIL BOX	⊙
TELEPHONE SPLICE BOX ABOVE GROUND	⊙	ADVERTISING SIGN	⊙
UTILITY POWER POLE	⊙	MARSH	⊙
TELEPHONE POLE	⊙	LIGHTING HANDHOLE	⊙
UTILITY TRAFFIC SIGNAL	⊙	LIGHTING POWER POLE	⊙
UTILITY LIGHT POLE	⊙	LIGHTING JUNCTION BOX	⊙
FIRE HYDRANT	⊙	LIGHTING HEAVYDUTY HANDHOLE	⊙
UTILITY MANHOLE	⊙	LIGHTING CONTROLLER	⊙
UTILITY TELEPHONE POLE	⊙	LIGHTING PULL POINT	⊙
UTILITY GUY POLE	⊙	HIGHWAY LIGHTING ELECTRICAL GROUND	⊙
PIPELINE WARNING SIGN	⊙	HIGHWAY LIGHTING SINGLE UNIT	⊙
UTILITY HANDHOLE	⊙	HIGHWAY LIGHTING DOUBLE UNIT	⊙
UTILITY SPLICE ABOVE GROUND	⊙	EXISTING CONCRETE BARRIER	⊙
UTILITY JUNCTION BOX	⊙	EXISTING CREEK OR DITCH	⊙
UTILITY HEAVY DUTY HANDHOLE	⊙	EXISTING EDGE OF PAVEMENT	⊙
UTILITY DOUBLE HANDHOLE	⊙		
UTILITY CONTROLLER	⊙		
UTILITY WATER METER	⊙		

EXISTING R.O.W. RECORDED INFORMATION		
PARCEL	BOOK/PAGE	DATE RECORDED
8013001	633/48	3-14-1925
8013002	633/46	3-14-1925
8013003	633/243	3-14-1925
8013004	633/43	3-14-1925

RIGHT OF WAY LEGEND

	QUARTER SECTION CORNERS
	SECTION CORNERS
	EXISTING CENTERLINE
	EXISTING RIGHT OF WAY LINE
	FORMER RIGHT OF WAY LINE
	EXISTING IDOT EASEMENT LINE
	EXISTING EASEMENT LINE
	EXISTING ACCESS CONTROL LINE
	EXISTING RIGHT OF WAY & PROPOSED ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE
	PROPOSED CENTERLINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER QUARTER SECTION LINE
	PROPERTY (DEED) LINE
	APPARENT PROPERTY LINE
	MEASURED DIMENSION
	RECORDED DIMENSION
	FOUND STONE
	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYOR'S LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
	FOUND CUT CROSS
	SET CUT CROSS
	SAME OWNERSHIP
	EXISTING BUILDING

■ STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
CL	CENTERLINE
CH	COUNTY HIGHWAY
Ch	CHAIN
DB	DEED BOOK
E	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m ²	SQUARE METERS
N	NORTH
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
PDC	POINT OF COMMENCEMENT
POT	POINT OF TANGENT
PL	PROPERTY LINE
PR	PROPOSED
RD	ROAD
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SO FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001PE	PROPOSED PERMANENT EASEMENT
8001001TE	PROPOSED TEMPORARY EASEMENT
8001001DED	PROPOSED DEDICATION
8001001AC	PROPOSED ACCESS CONTROL LINE

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
CB	CHORD BEARING
R	RADIUS OF CURVE
L	CURVE LENGTH
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
e	EXTERNAL
Δ	CENTRAL ANGLE

SPACE RESERVED FOR RECORDING OFFICER

PREPARED BY:

ASSOCIATED PROFESSIONALS, INC.

17625 Mockingbird Road, P.O. Box 311
Nashville, Illinois 62263
Ph. 618-478-9000 Fax 618-478-9001
web: www.apisurvey.com
IDPR Design Firm License No. 184-001303



1/20/2011

GARY S. MUELLER, IPLS # 3332
EXPIRATION DATE: 11-30-2012

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

TOPOGRAPHIC STATEMENT

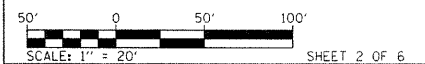
THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON 1/13/2011:

- 1. BRIDGE DECK

BASIS OF COORDINATE & BEARING STATEMENT

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 680 (IL 4)
SECTION 47-1BR
ST. CLAIR COUNTY
JOB NO. R-98-013-10



ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	24
CONTRACT NO. 76388				
FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT				

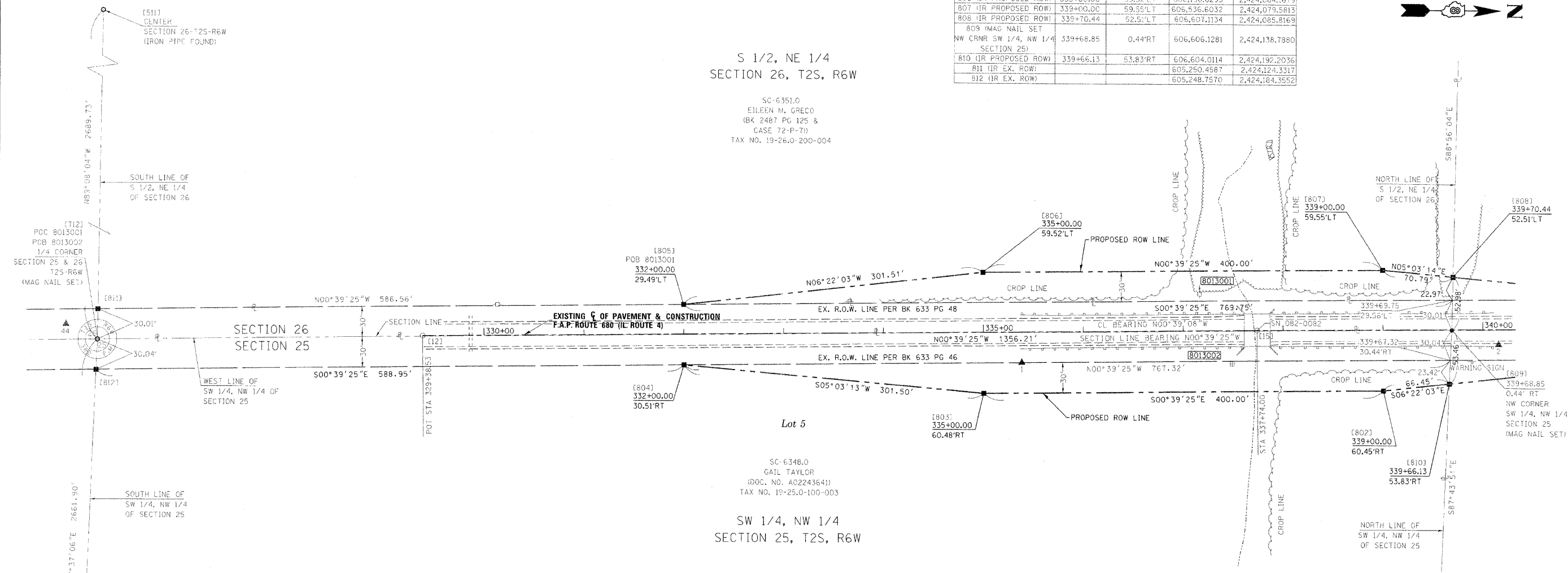
PART OF THE N 1/2 OF SECTION 25 & PART OF THE N 1/2 SECTION 26, ALL IN T2S, R6W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

I.O.G.T. PROVIDED CONTROL & ALIGNMENT				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
1 (IR W/CAP)	335+38.27	30.43'RT	606,175.9209	2,424,173.6743
2 (IR W/CAP)	340+15.64	14.96'RT	606,653.0801	2,424,152.7712
35 (IR W/CAP)			607,953,1565	2,424,104,2767
44 (IR W/CAP)			605,218,5363	2,424,139,3408
11 (POT 343+88.69)	343+88.69		607,025,9320	2,424,133,5656
12 (POT 329+38.53)	329+38.53		605,575,8698	2,424,150,0717
15 (STA 337+74.00)	337+74.00		606,411,2841	2,424,140,5622

COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
511 (PIPE FOUND CENTER SECT. 26)			605,290.6340	2,421,464.9200
712 (MAG NAIL SET W 1/4 CORNER SECT. 25)			605,250.0054	2,424,154.3397
715 (IR SET CENTER SECT. 25)			605,139.3926	2,426,813.9476
802 (IR PROPOSED ROW)	339+00.00	60.45'RT	606,537.9691	2,424,199.5736
803 (IR PROPOSED ROW)	335+00.00	60.48'RT	606,137.9953	2,424,204.1601
804 (IR PROPOSED ROW)	332+00.00	30.51'RT	605,837.6711	2,424,177.6020
805 (IR PROPOSED ROW)	332+00.00	29.49'LT	605,836.9831	2,424,117,6060
806 (IR PROPOSED ROW)	335+00.00	59.52'LT	606,136.6295	2,424,084,1679
807 (IR PROPOSED ROW)	339+00.00	59.55'LT	606,536.6032	2,424,079,5813
808 (IR PROPOSED ROW)	339+70.44	52.51'LT	606,607.1134	2,424,085,8169
809 (MAG NAIL SET NW CRNR SW 1/4, NW 1/4 SECTION 25)	339+68.85	0.44'RT	606,606.1281	2,424,138,7880
810 (IR PROPOSED ROW)	339+66.13	53.83'RT	606,604.0114	2,424,192,2036
811 (IR EX. ROW)			605,250.4587	2,424,124,3317
812 (IR EX. ROW)			605,248.7570	2,424,184,3552

SPACE RESERVED FOR RECORDING OFFICER



* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

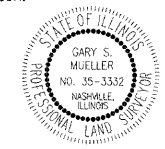
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION						PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS		PREVIOUSLY DEDICATED		NET				
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.			
8013001	EILEEN M. GRECO TITLE REPORT NO. SC-6351.0	162.5800	0.4214	18,351	N/A	N/A	0.4214	18,357	162,1586	19-26.0-200-004	
8013002	GAIL TAYLOR TITLE REPORT NO. SC-6348.0	28.0000	1.3536	58,965	0.3340	40,686	0.4196	18,219	26,6164	19-25.0-100-003	

STATE OF ILLINOIS)
) SS
COUNTY OF WASHINGTON)

I, GARY S. MUELLER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED 3/23/2011

GARY S. MUELLER, PLS NO. 3332
LICENSE EXPIRATION DATE: 11/30/2012



ASSOCIATED PROFESSIONALS, INC.
17625 Mockingbird Road, P.O. Box 311
Nashville, Illinois 62263
Ph. 618-478-9000 Fax 618-478-9001
web: www.apisurvey.com
IDPR Design Firm License No. 184-001303

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 680 (IL 4)
SECTION 47-1BR
ST. CLAIR COUNTY
JOB NO. R-98-013-10
STATION 332+00 TO STATION 339+68.85

50' 0 50' 100'
SCALE: 1" = 50' SHEET 3 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	25

CONTRACT NO. 76388

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 12/8/10	ROW STAKING:

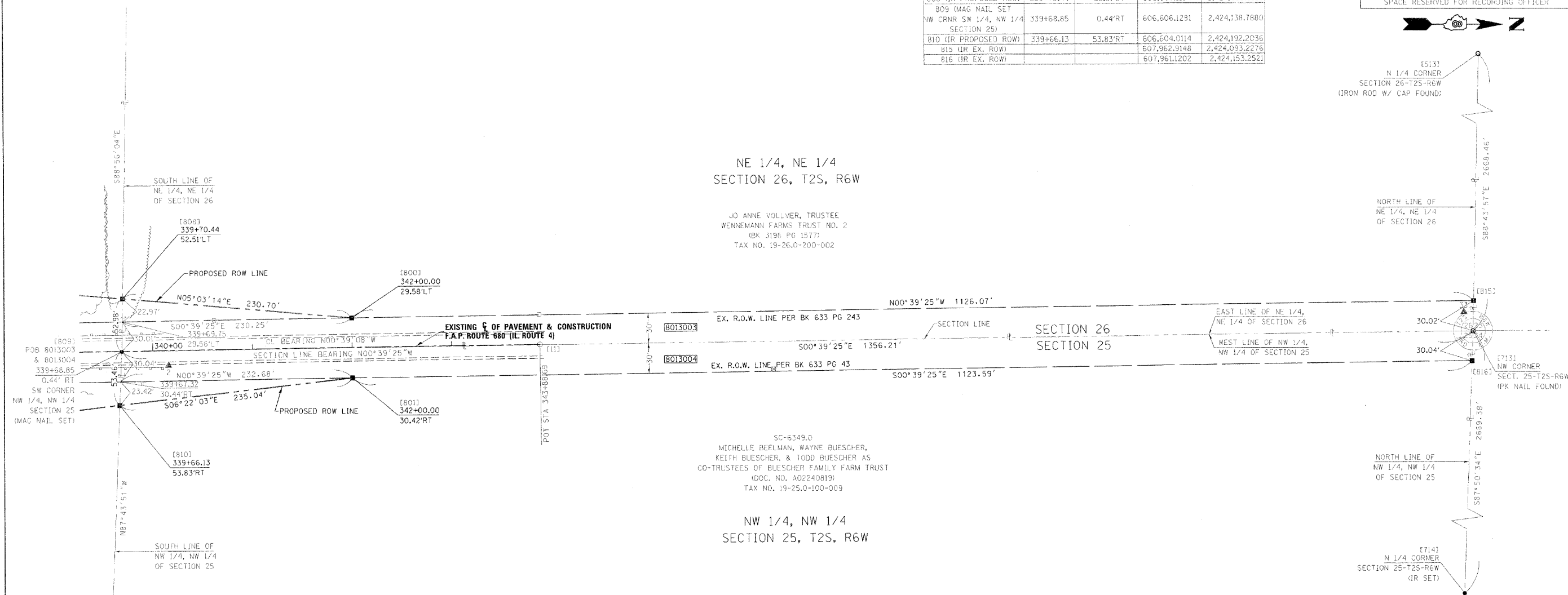
PART OF THE N 12 OF SECTION 25 & PART OF THE N 12 SECTION 26, ALL IN T2S, R6W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

I.D.O.T. PROVIDED CONTROL & ALIGNMENT				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
1 (IR W/CAP)	335+38.27	30.43'RT	606,175.9209	2,424,173.6743
2 (IR W/CAP)	340+15.64	14.96'RT	606,653.0801	2,424,152.7712
33 (IR W/CAP)			607,953.1565	2,424,104.2761
44 (IR W/CAP)			605,218.5363	2,424,139.3403
11 (POT 343+88.69)	343+88.69		607,025.9320	2,424,133.5656
12 (POT 329+38.53)	329+38.53		605,575.8698	2,424,150.0717
15 (STA 337+74.00)	337+74.00		606,411.2841	2,424,140.5622

COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
513 (IR W/CAP FOUND N 1/4 CORNER SECT. 26)			608,021.2730	2,421,455.4310
713 (PK NAIL FOUND NW CORNER SECT. 25)			607,962.2508	2,424,123.2372
714 (IR SET N 1/4 CORNER SECT. 25)			607,861.7647	2,426,790.7232
800 (IR PROPOSED ROW)	342+00.00	29.58'LT	606,836.9174	2,424,106.1396
801 (IR PROPOSED ROW)	342+00.00	30.42'RT	606,837.6053	2,424,166.1350
808 (IR PROPOSED ROW)	339+70.44	52.51'LT	606,607.1134	2,424,085.8169
809 (MAG NAIL SET NW CRNR SW 1/4, NW 1/4 SECTION 25)	339+68.85	0.44'RT	606,606.1291	2,424,138.7880
810 (IR PROPOSED ROW)	339+66.13	53.83'RT	606,604.0114	2,424,192.2036
815 (IR EX. ROW)			607,962.9148	2,424,093.2276
816 (IR EX. ROW)			607,961.1202	2,424,153.2521

SPACE RESERVED FOR RECORDING OFFICER



ASSOCIATED PROFESSIONALS, INC.
 17625 Mockingbird Road, P.O. Box 311
 Nashville, Illinois 62263
 Ph. 618-478-9000 Fax 618-478-9001
 web: www.apisurvey.com
 IDPR Design Firm License No. 184-001303

STATE OF ILLINOIS)
) SS
 COUNTY OF WASHINGTON)
 I, GARY S. MUELLER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.
 DATED 3/23/2011

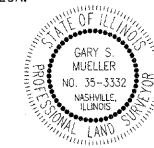
**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAP ROUTE 680 (IL 4)
 SECTION 47-1BR
 ST. CLAIR COUNTY
 JOB NO. R-98-013-10**

STATION 339+68.85 TO STATION 343+88.69

SCALE: 1" = 50'

SHEET 4 OF 6

GARY S. MUELLER, PLS NO. 3332
 LICENSE EXPIRATION DATE: 11/30/2012



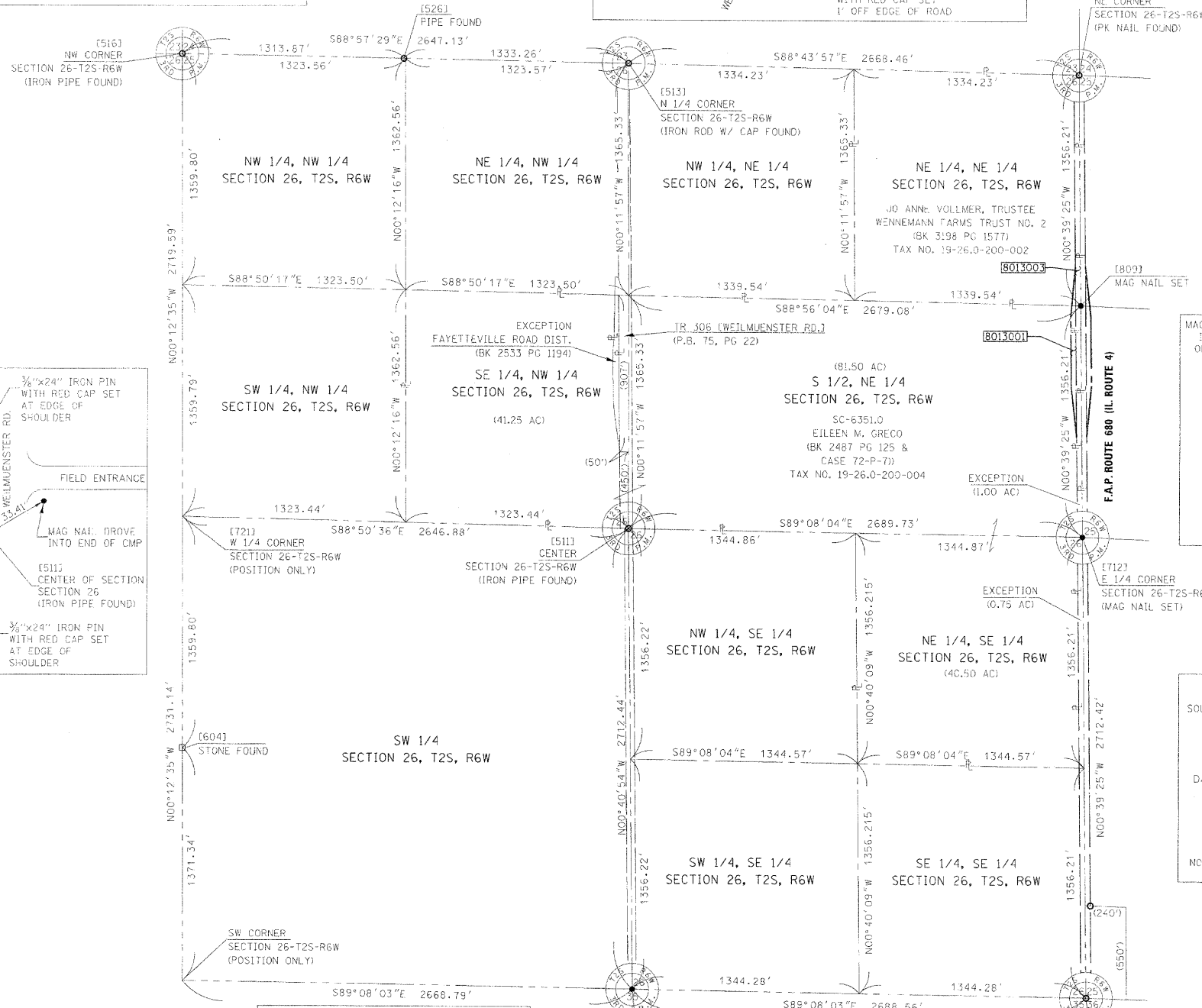
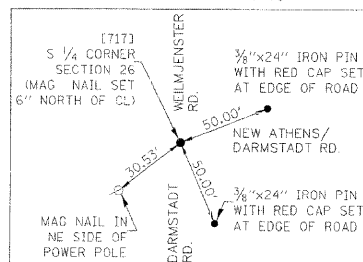
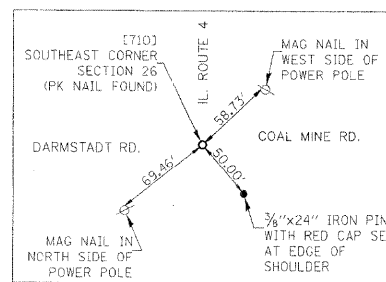
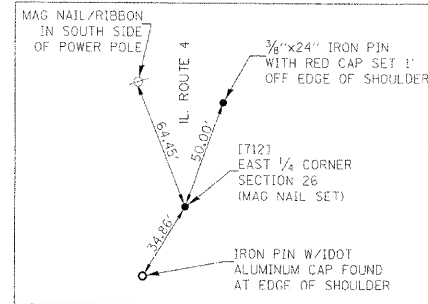
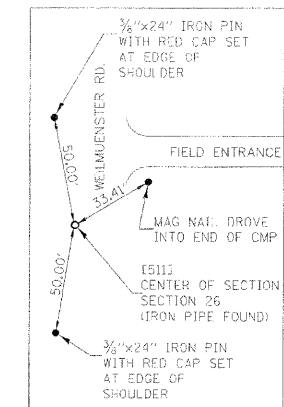
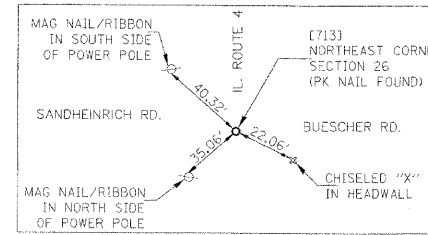
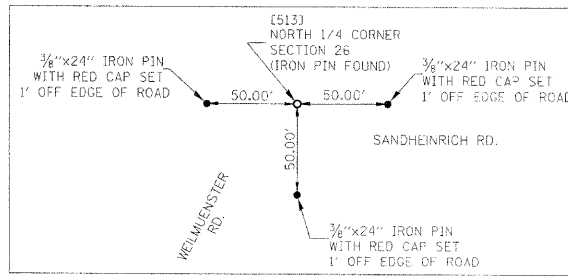
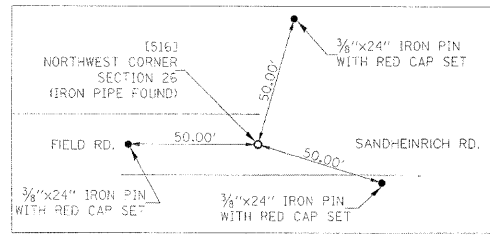
* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION						REMAINDER ACRES	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED		NET				
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.			
8013003	JO ANNE VOLLMER, TRUSTEE UNDER A TRUST AGREEMENT DATED 10/20/97, KNOWN AS WENNEMANN FARMS TRUST NO. TWO TITLE REPORT NO. SC-6350.0	41.0000	0.9947	43,330	0.9340	40,606	0.0607	2,644	40.0053	19-26.0-200-002	
8013004	MICHELLE BEELMAN, WAYNE BUESCHER, KEITH BUESCHER, & TODD BUESCHER AS CO-TRUSTEES UNDER TRUST AGREEMENT DATED THE 26TH DAY OF OCTOBER, 2010, KNOWN AS THE BUESCHER FAMILY FARM TRUST	41.5133	0.9965	43,408	0.9340	40,686	0.0625	2,722	40.5168	19-25.0-100-009	

COMPLETION DATE OF FIELD WORK PERFORMED			
LAND SURVEY:	12/8/10	ROW STAKING:	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
680	47-1BR	ST. CLAIR	44
CONTRACT NO. 76388			SHEET NO. 26

SECTION 26, T2S, R6W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2



SPACE RESERVED FOR RECORDING OFFICER

PNT # (DESCRIPTION)	COORDINATE TABLE		
	STATION	OFFSET	
511 (PIPE FOUND CENTER SECT. 26)			605,290.6340 2,421,464.9200
513 (IR W/CAP FOUND N 1/4 CORNER SECT. 26)			608,021.2730 2,421,455.4310
516 (PIPE FOUND NW CORNER SECT. 26)			608,069.4150 2,418,808.7410
526 (PIPE FOUND)			603,800.3720 2,426,827.2110
604 (STONE FOUND)			603,990.0520 2,418,823.6800
710 (PK NAIL FOUND SE CORNER SECT. 26)			602,537.7599 2,424,185.4406
712 (MAG NAIL SET E 1/4 CORNER SECT. 26)			605,250.0054 2,424,154.3397
713 (PK NAIL FOUND NE CORNER SECT. 26)			607,962.2508 2,424,123.2372
717 (MAG NAIL SET S 1/4 CORNER SECT. 26)			602,578.3886 2,421,497.1876
721 (W 1/4 CORNER SECT. 26)			605,349.8429 2,418,818.7003
809 (MAG NAIL SET NE CORNER S 1/2, NE 1/4 SECTION 26)	339+68.85	0.44' RT	606,506.1281 2,424,138.7880

ASSOCIATED PROFESSIONALS, INC.
 17625 Mockingbird Road, P.O. Box 311
 Nashville, Illinois 62263
 Ph. 618-478-9000 Fax 618-478-9001
 web: www.apisurvey.com
 IDPR Design Firm License No. 184-001303

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOTAL HOLDINGS SKETCH
 FAP ROUTE 680 (IL 4)
 SECTION 47-1BR
 ST. CLAIR COUNTY
 JOB NO. R-98-013-10

SCALE: 1" = 400'

SHEET 5 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
680	47-1BR	ST. CLAIR	44	27

CONTRACT NO. 76388

FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS)
) SS
 COUNTY OF WASHINGTON)

I, GARY S. MUELLER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.

DATED 1/20/2011

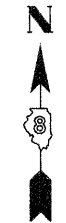
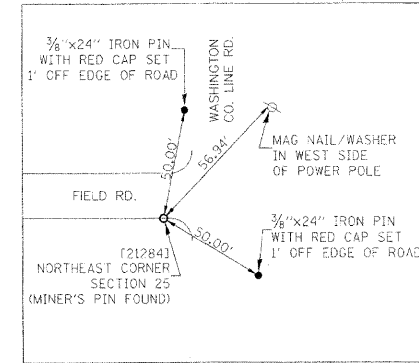
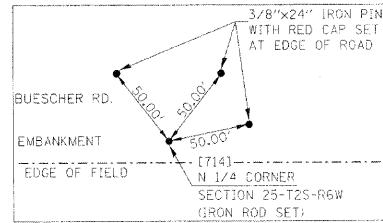
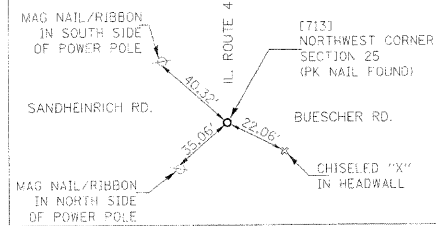
GARY S. MUELLER, PLS NO. 3332
 LICENSE EXPIRATION DATE: 11/30/2012



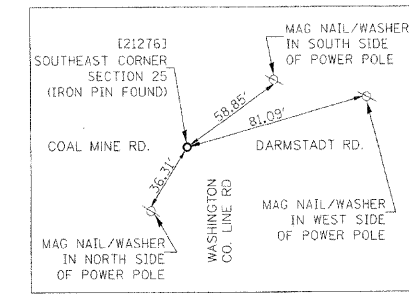
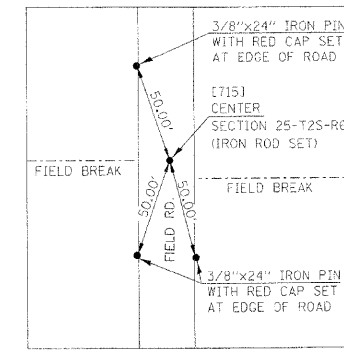
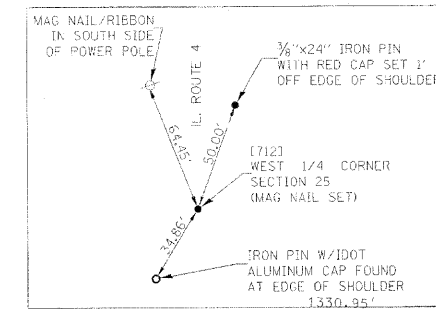
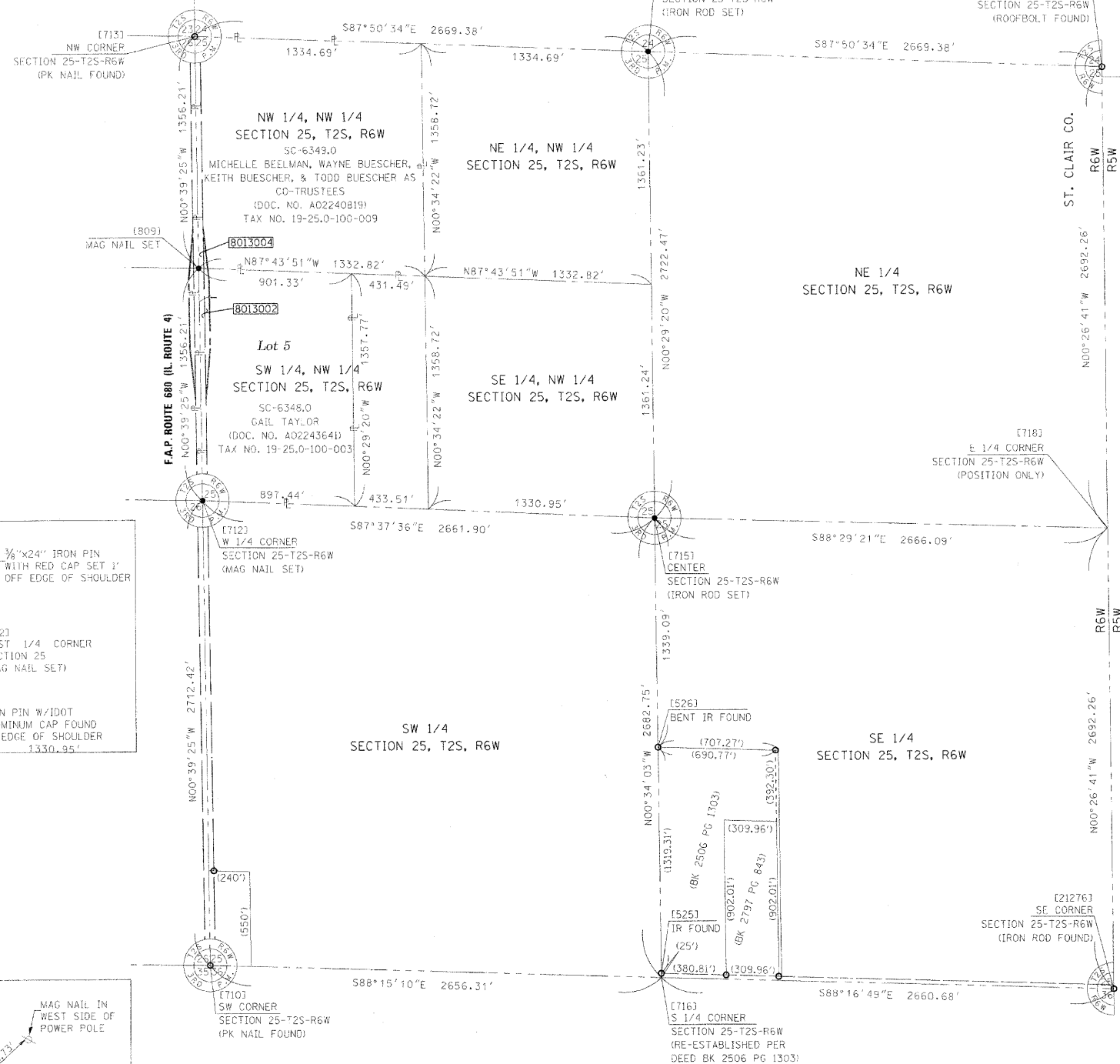
COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 12/8/10	ROW STAKING:

SECTION 25, T2S, R6W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2



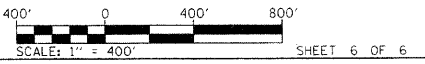
SPACE RESERVED FOR RECORDING OFFICER



COORDINATE TABLE				
PNT # (DESCRIPTION)	STATION	OFFSET	NORTH	EAST
525 (IR FOUND)			602,481.7730	2,426,840.2720
526 (BENT IR FOUND)			603,800.3720	2,426,827.2110
710 (PK NAIL FOUND SW CORNER SECT. 25)			602,537.7599	2,424,185.4406
712 (MAG NAIL SET W 1/4 CORNER SECT. 25)			605,250.0054	2,424,154.3397
713 (PK NAIL FOUND NW CORNER SECT. 25)			607,962.2508	2,424,231.2312
714 (IR SET N 1/4 CORNER SECT. 25)			607,861.7647	2,426,790.7232
715 (IR SET CENTER SECT. 25)			605,139.3926	2,426,813.9476
716 (S 1/4 CORNER SECT. 25)			602,456.7742	2,426,840.5196
718 (E 1/4 CORNER SECT. 25)			605,069.1033	2,429,479.1073
809 (MAG NAIL SET NW CORNER SW 1/4, NW 1/4 SECTION 25)	339+68.85	0.44'RT	606,606.1281	2,424,138.7880
21276 (IR FOUND SE CORNER SECT. 25)			602,376.9280	2,429,500.0060
21284 (ROOFBOLT FOUND NE CORNER SECT. 25)			607,761.2786	2,429,458.2086

ASSOCIATED PROFESSIONALS, INC.
 17625 Mockingbird Road, P.O. Box 311
 Nashville, Illinois 62263
 Ph 618-478-9000 Fax 618-478-9001
 web: www.apisurvey.com
 IDPR Design Firm License No. 184-001303

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOTAL HOLDINGS SKETCH
 FAP ROUTE 680 (IL 4)
 SECTION 47-1BR
 ST. CLAIR COUNTY
 JOB NO. R-98-013-10



STATE OF ILLINOIS)
) SS
 COUNTY OF WASHINGTON)
 I, GARY S. MUELLER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY OF THE EXISTING RIGHT OF WAY SHOWN HEREON.
 DATED 3/23/2011



GARY S. MUELLER, PLS NO. 3332
 LICENSE EXPIRATION DATE: 11/30/2012

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	12/8/10
ROW STAKING:	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	28
				CONTRACT NO. 76388

Bench Mark: RR spike in power pole (East side of pole), ±300' North of S.N. 082-0082 on the West side of IL 4. Elev. 418.70.

Existing Structure: S.N. 082-0082 was built in 1924 under S.A. Route 26 Section 47-15D. The existing structure consists of one span, 26' long, 32'-5" wide out-to-out reinforced concrete slab, and no skew. The substructure consists of closed reinforced concrete abutments founded on spread footings with attached wingwalls. Structure carries IL 4 over Little Mud Creek. The existing pavement is two 11' lanes with 2' shoulders. Staged construction shall be used during construction.

Salvage temporary support beams, see Special Provision.

Precast alternate is not allowed.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

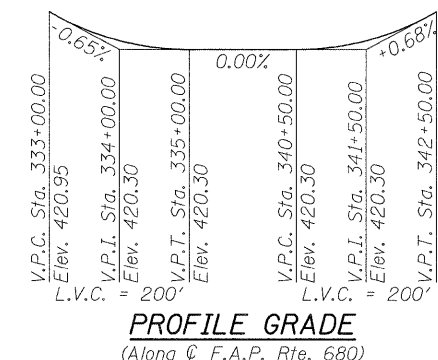
1. General Plan & Elevation
2. Temporary Support System
3. Temporary Sheet Piling
4. Stage Construction Details
5. Temporary Concrete Barrier
6. Culvert Plan
7. Culvert Elevation and Details
8. Boring Logs

TOTAL BILL OF MATERIAL

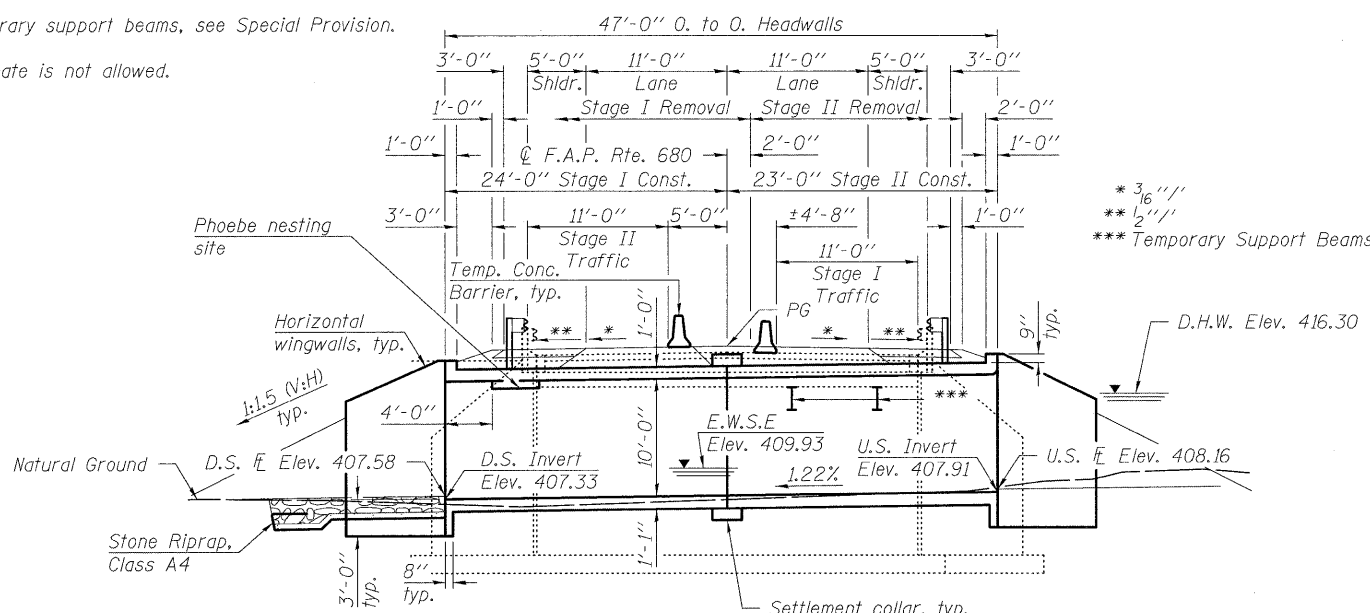
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	68
Filter Fabric	Sq. Yd.	68
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	28,690
Reinforcement Bars, Epoxy Coated	Pound	18,490
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	192.6
Temporary Sheet Piling	Sq. Ft.	2,933
Temporary Support System	L. Sum	1

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60.
Reinforcement bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
Temporary support beams for slab shall be installed for Stage I traffic and shall be placed before Stage I removal.



PROFILE GRADE
(Along F.A.P. Rte. 680)



LONGITUDINAL SECTION

(Horizontal dimensions shown are at right angles to F.A.P. roadway.)

WATERWAY INFORMATION

Drainage Area = 2.41 Sq. Mi. Low Grade Elev. 420.30 @ Sta. 335+00.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.			Headwater El.		
			Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.	
Design	10	654	175.3	221.0	415.6	0.7	0.6	416.3	416.2	
Base	50	1101	191.7	239.2	416.3	1.2	1.0	417.5	417.3	
Overtopping	100	1162	196.4	244.4	416.5	1.5	1.2	418.0	417.7	
Max. Calc.	N/A	500	1526	200.7	260.0	417.1	2.2	1.5	419.3	418.6

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	403.33	403.91

STATION 337+64.00
BUILT 201 BY
STATE OF ILLINOIS
F.A.P. RT. 680 SEC. 47-1BR
LOADING HS20-44
STR. NO. 082-2021

NAME PLATE

See Std. 515001

LOADING HS20-44

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

DESIGN SPECIFICATIONS

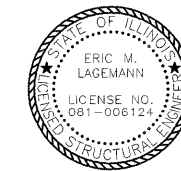
2002 AASHTO

DESIGN STRESSES

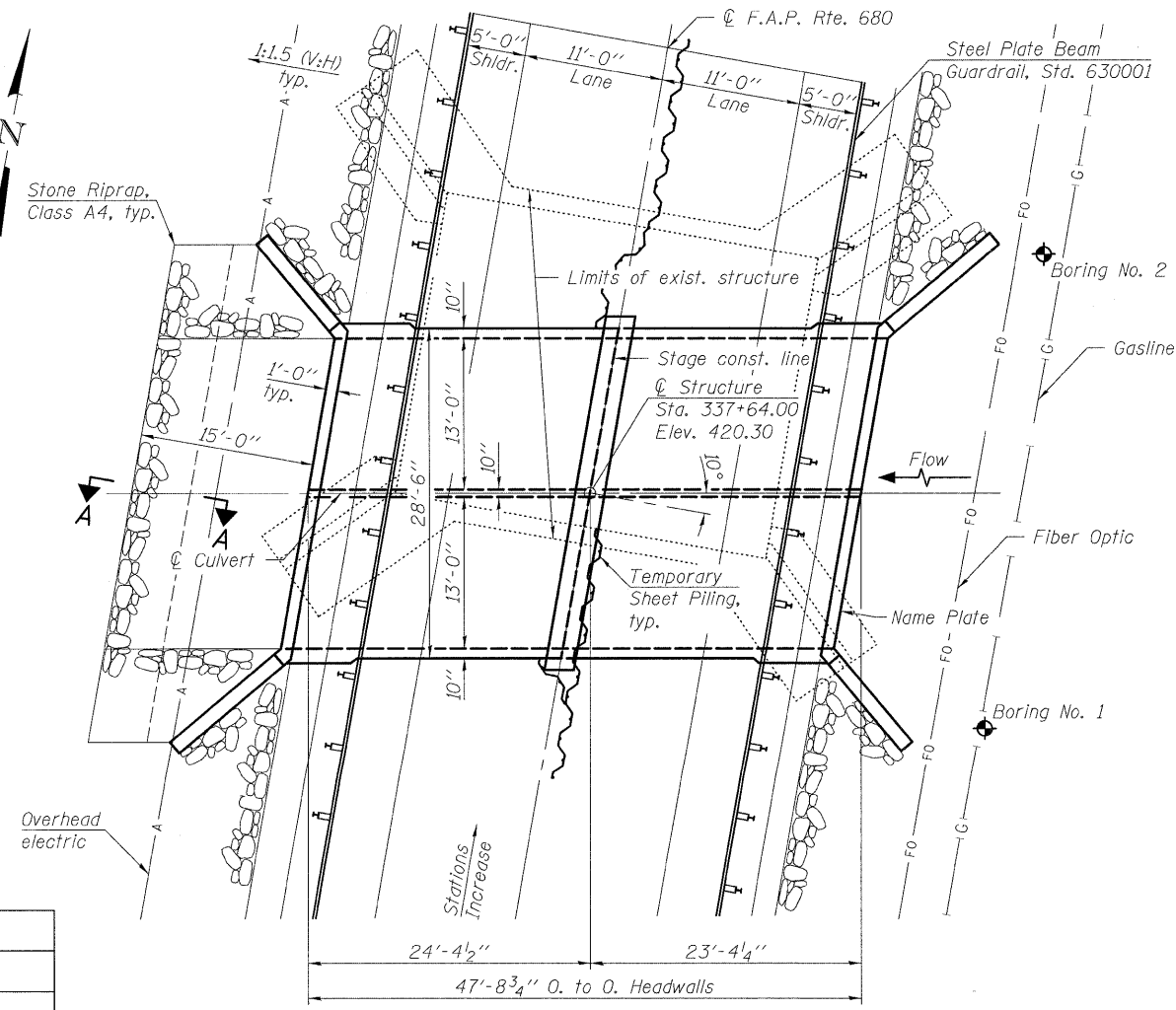
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36)

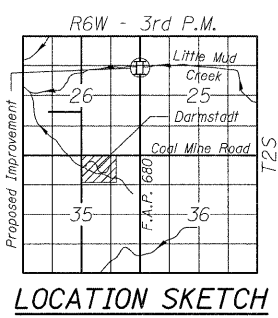
APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Eric Logemann (TPO)
ENGINEER OF BRIDGES AND STRUCTURES



Eric Logemann 10/19/11
License Expires 11/30/2012 Date



PLAN



LOCATION SKETCH

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML



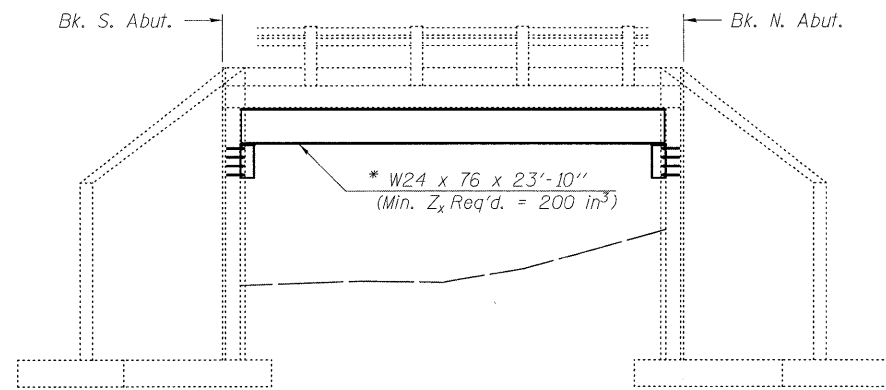
SHEET NO. 1 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76388					

GENERAL PLAN & ELEVATION
IL 4 OVER LITTLE MUD CREEK
F.A.P. RTE. 680 - SECTION 47-1BR
ST. CLAIR COUNTY
STATION 337+64.00
STRUCTURE NO. 082-2021

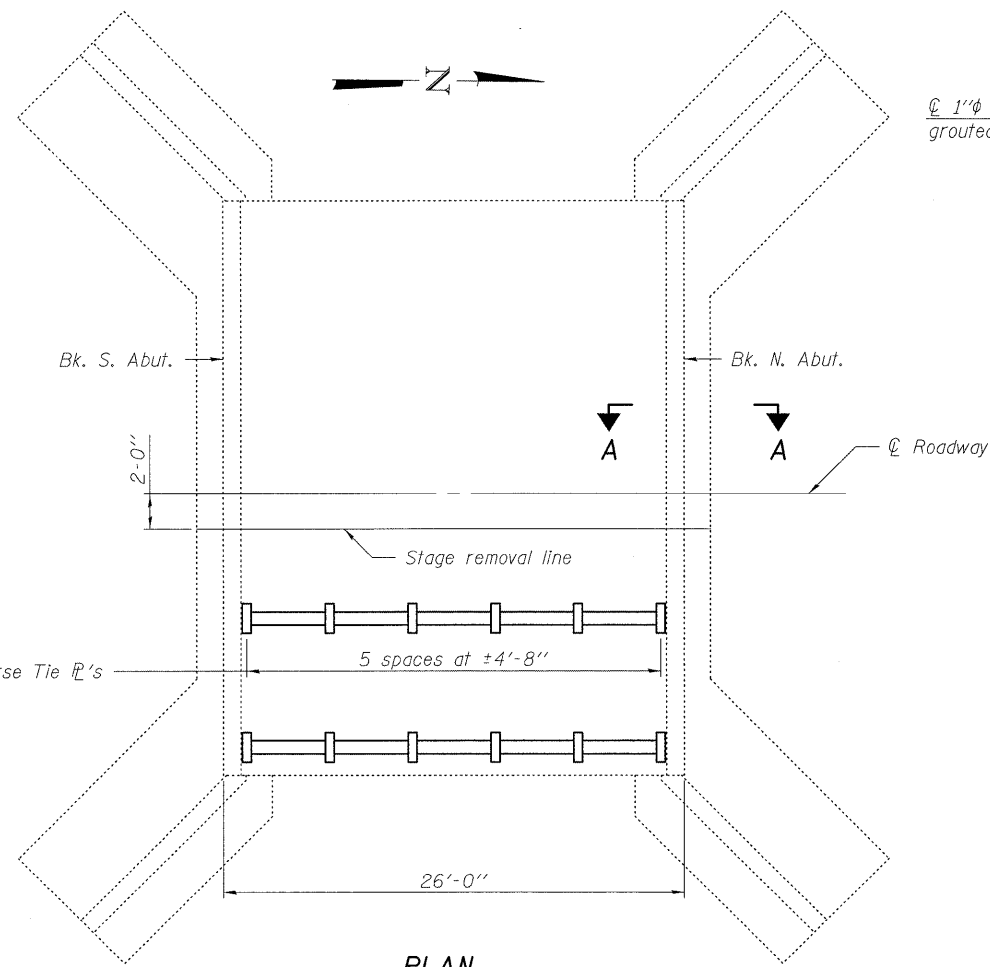
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

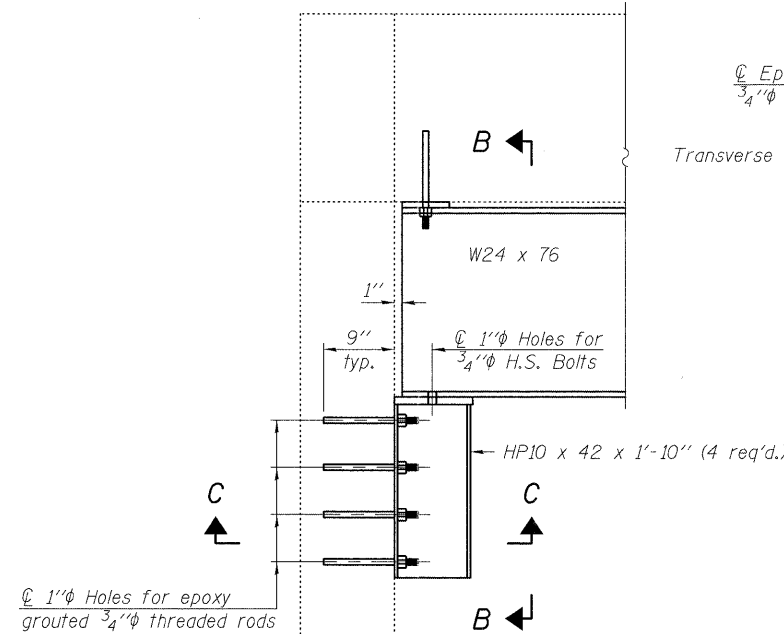
Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
 Calculated weight of Structural Steel = 4,450 AASHTO M270 Grade 36. Calculated weight is an estimate. The nominal beam depth of alternate sections shall not be greater than 27". No additional payment will be made if Contractor elects to use other sections. The cost of structural steel shall be included with Temporary Support System.
 No field welding is permitted except as specified in the contract documents.
 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.
 See Section 584 of the Standard Specifications for epoxy grouting of threaded rods.
 The cost of epoxy grouting threaded rods shall be included with Temporary Support System.
 Contractor has the option of using used steel. See Special Provision.



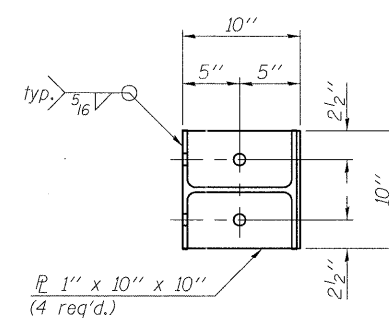
ELEVATION



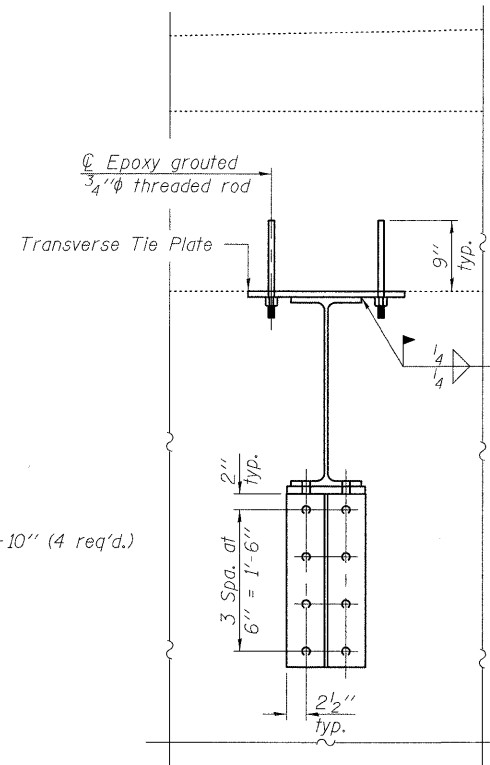
PLAN



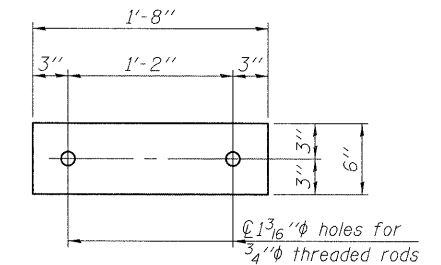
SECTION A-A



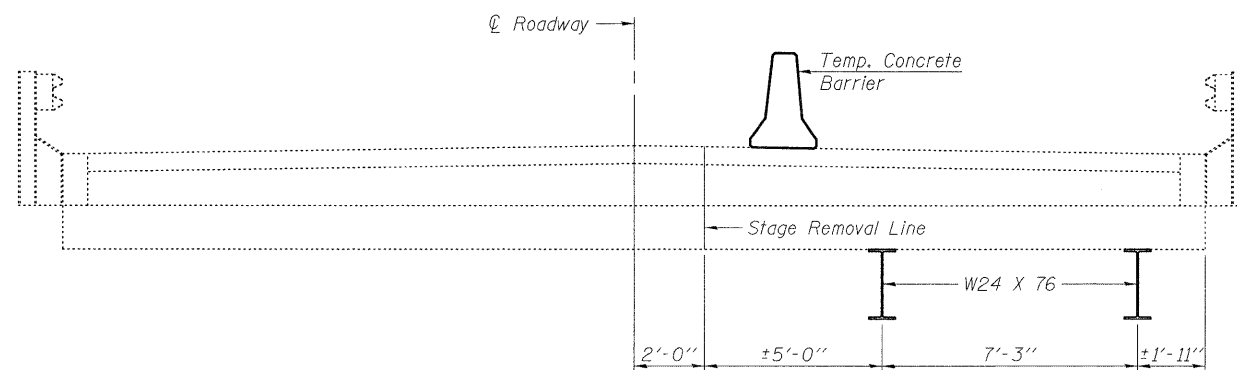
SECTION C-C



SECTION B-B



TRANSVERSE TIE PLATE
3/4" x 6" x 1'-8" (12 req'd.)



CROSS SECTION
(Looking North)

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

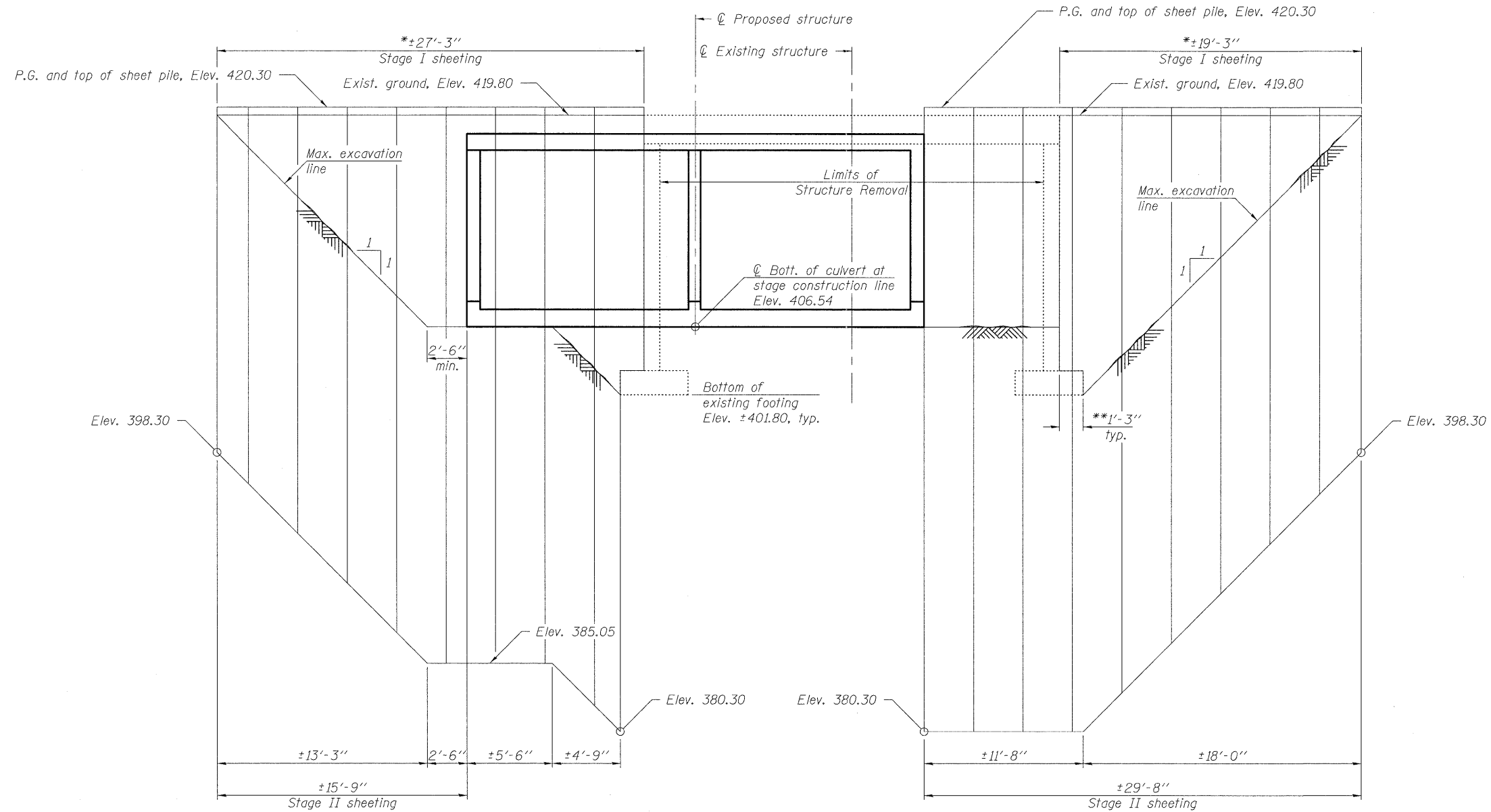
* Contractor is to verify beam length prior to ordering material. Other sections meeting the plastic section modulus requirements shown may be allowed subject to approval by the Bureau of Bridges and Structures.
 ** Place additional shims at midpoints between tie plates. Securely weld shims to top flange of support beam. Minimum shim size is 6" x flange width. Spacing may be adjusted to miss adjacent transverse tie plates.

TEMPORARY SUPPORT SYSTEM
STRUCTURE NO. 082-2021

HORNER & SHIFRIN, INC.
ENGINEERS

SHEET NO. 2 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76388					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking West)

Notes:

- If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- * The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.
- ** Stage I sheeting in this portion shall be driven to top of existing footing. The existing structure shall be completely removed.

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

SHEET PILE DATA

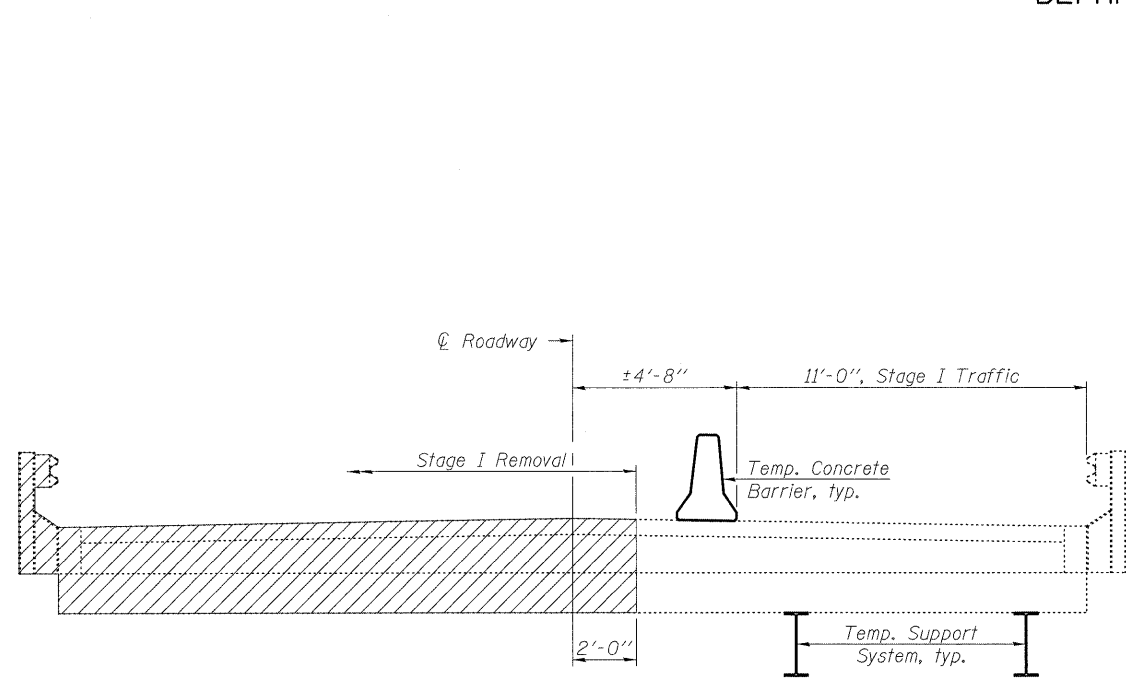
Minimum Section Modulus= 34.9 in.³/ft.
fy= 38.5 ksi

**TEMPORARY SHEET PILING
STRUCTURE NO. 082-2021**

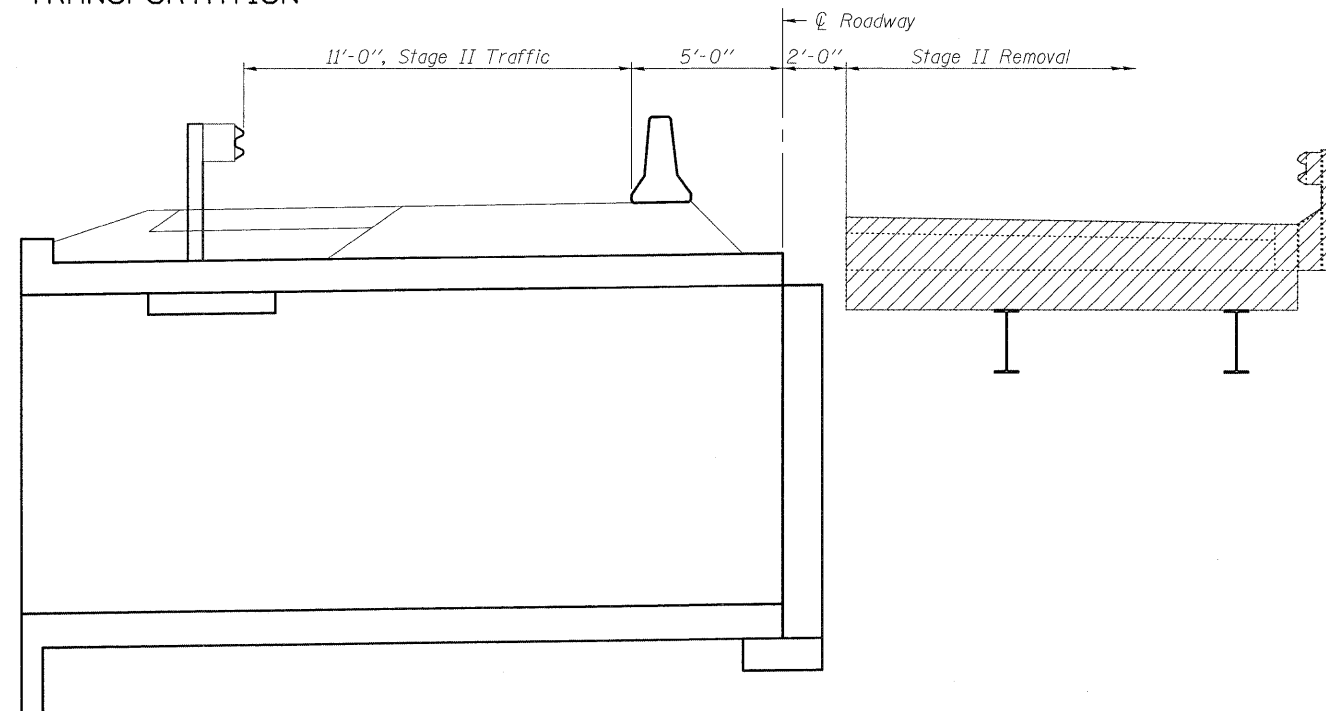


SHEET NO. 3 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	31
CONTRACT NO. 76388					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

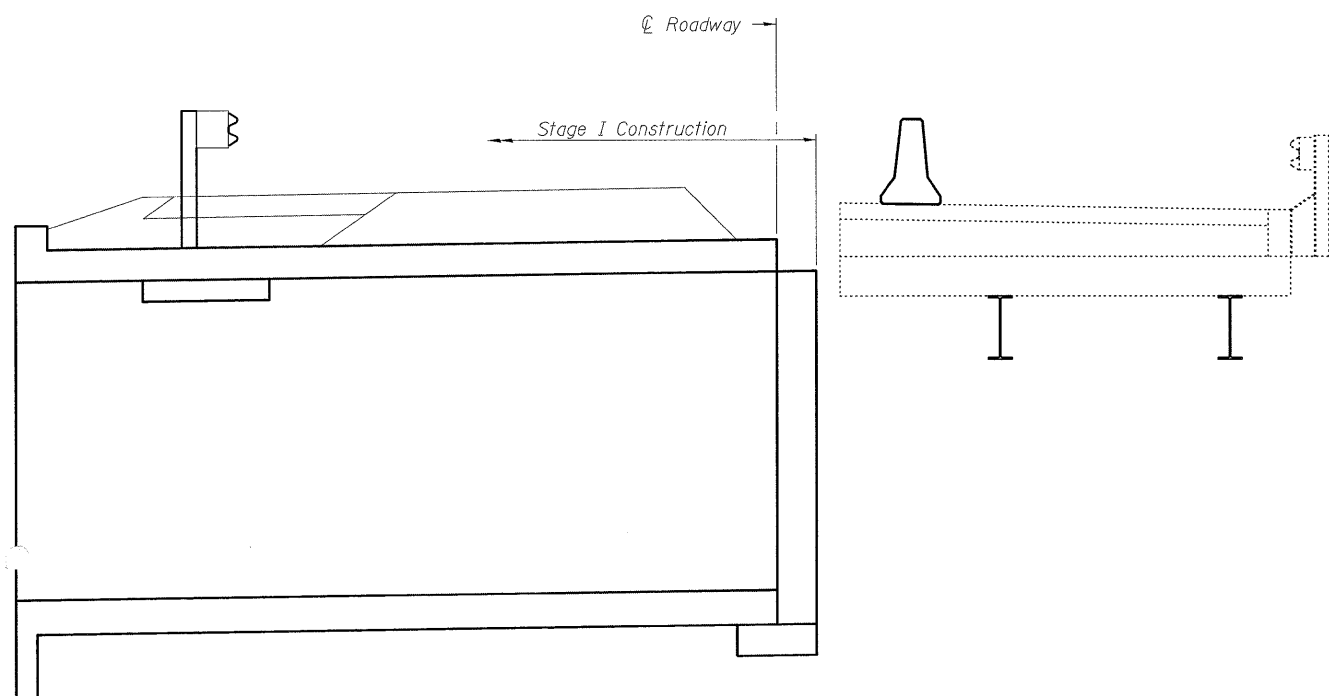
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



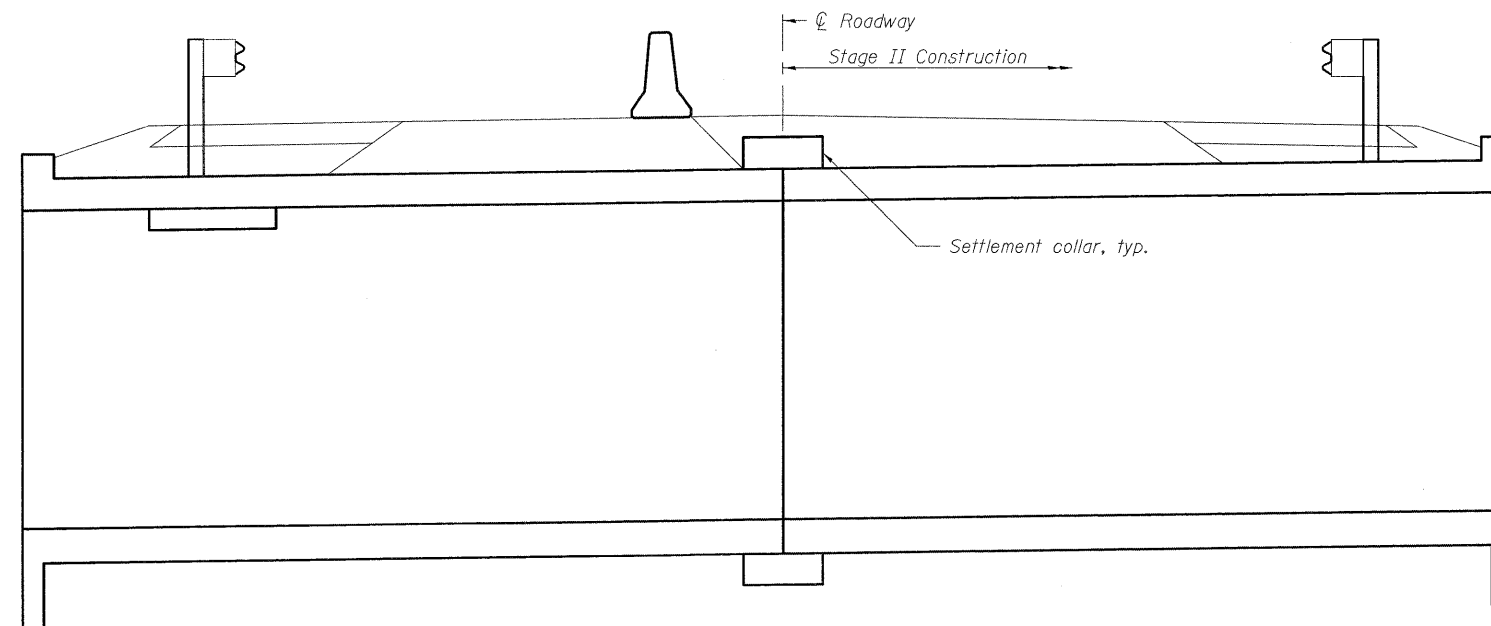
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

Notes:
For Temporary Concrete Barrier Details, see sheet 5 of 8.
For Temporary Support System Details, see sheet 2 of 8.
All staging cross sections are looking North.
Hatched area indicates Removal of Existing Structures.
For quantity of Temporary Concrete Barrier, see roadway plans.

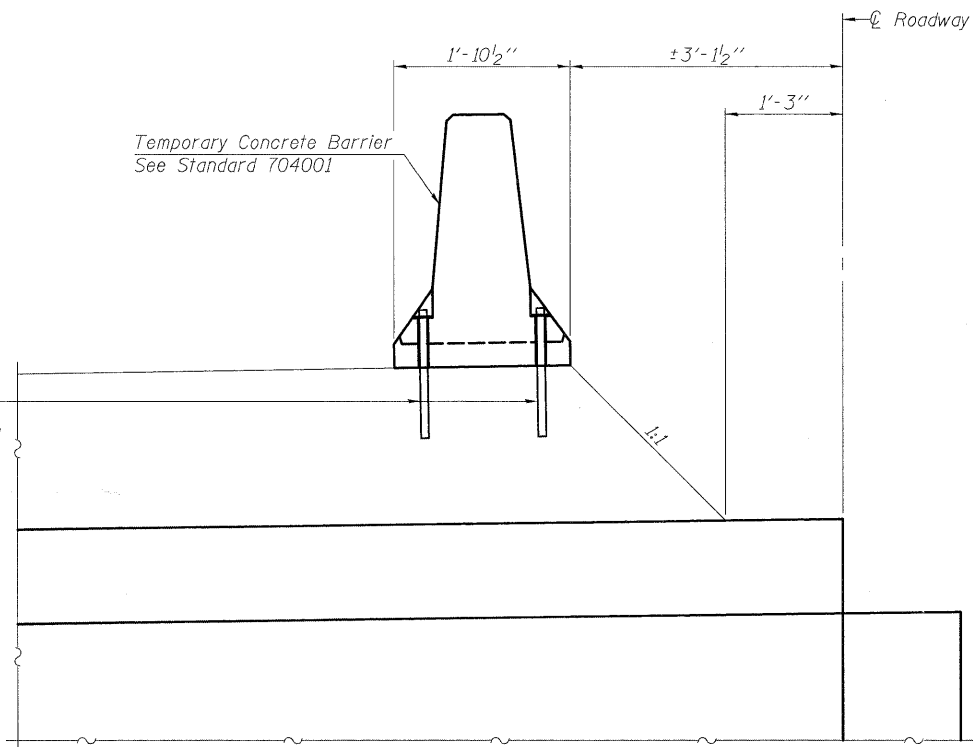
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 082-2021

**HORNER &
SHIFRIN, INC.**
ENGINEERS

SHEET NO. 4 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		

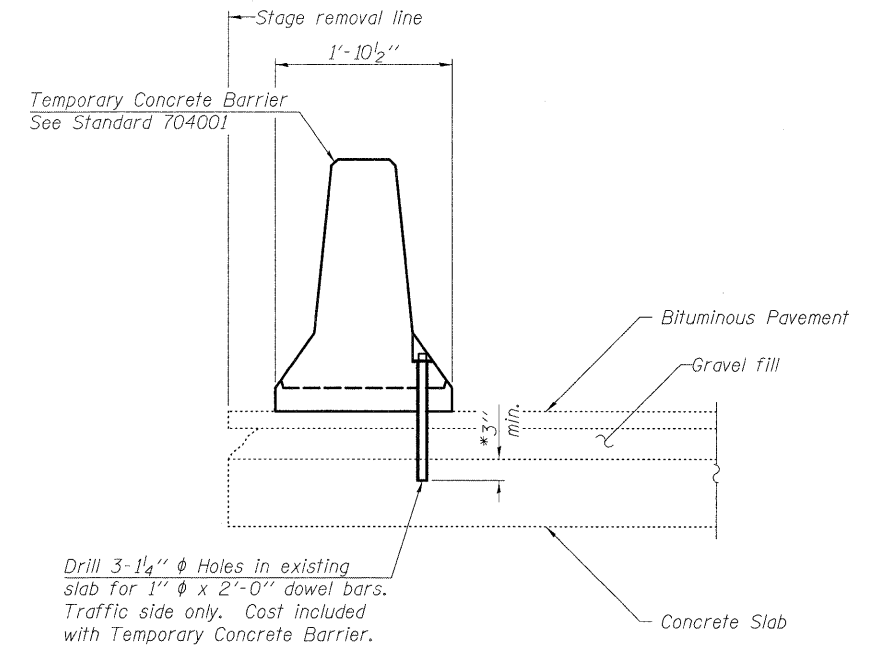
CONTRACT NO. 76388

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION THRU NEW CULVERT

Attach each Temporary Concrete Barrier to the pavement over the top of the culvert with six anchoring pins. Remaining holes shall be repaired as directed by the Engineer. See Standard 704001.



SECTION THRU EXISTING SLAB

Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ x 2'-0" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

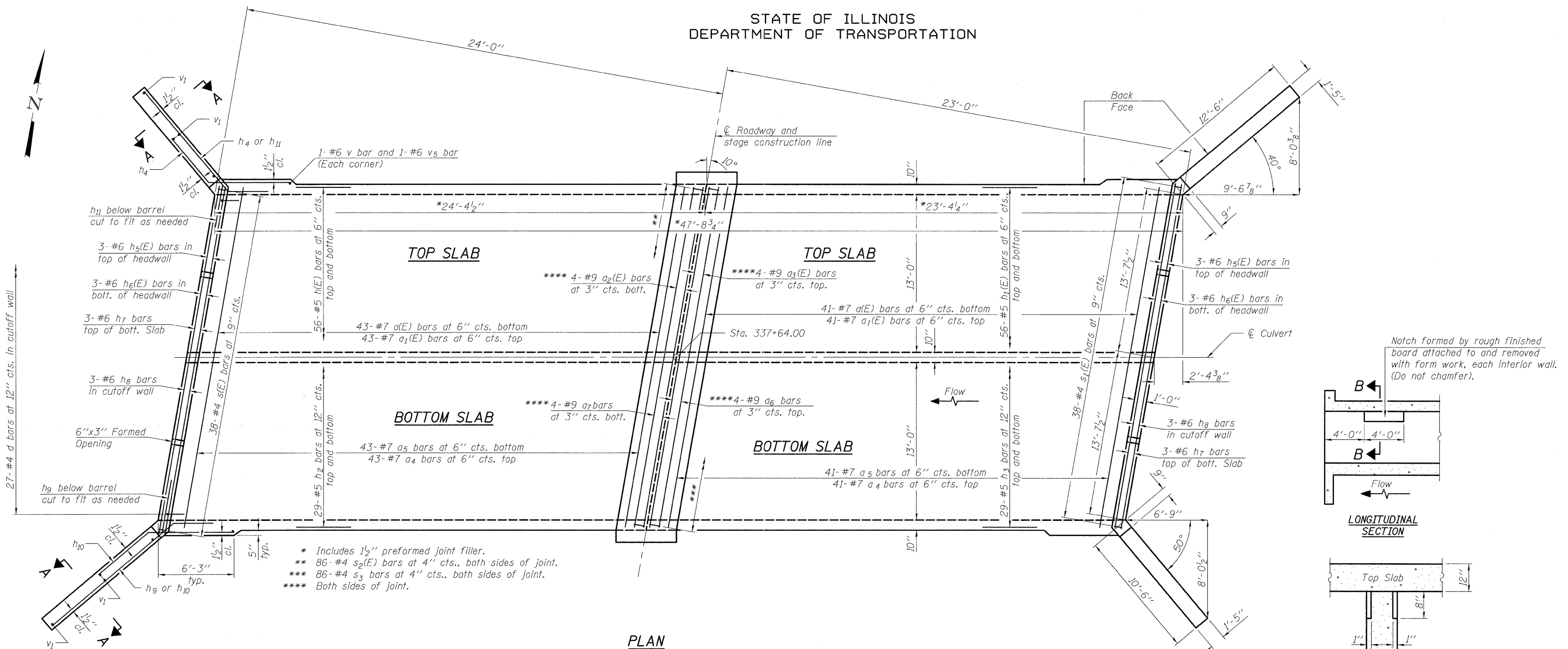
Notes:
Cost of anchoring pins and dowel bars is included with Temporary Concrete Barrier.
* Dimension shown is minimum required embedment into concrete.

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
STRUCTURE NO. 082-2021

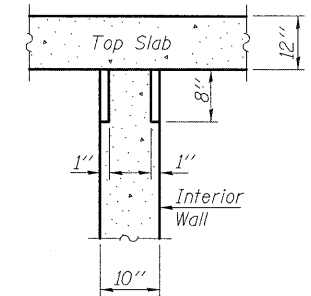
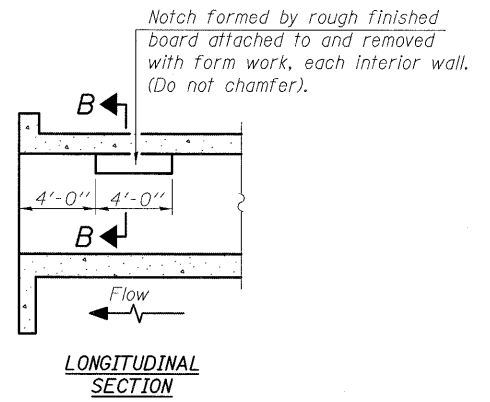
HORNER & SHIFRIN, INC.
ENGINEERS

SHEET NO. 5 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	33
			CONTRACT NO. 76388		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

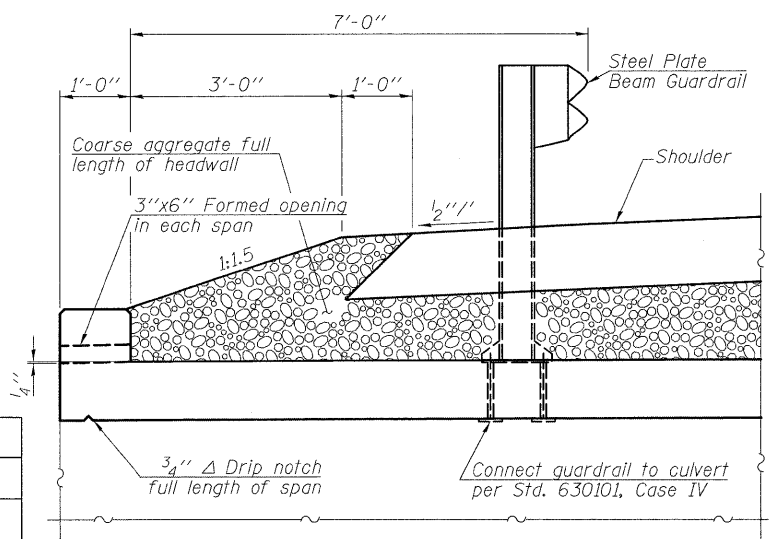
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



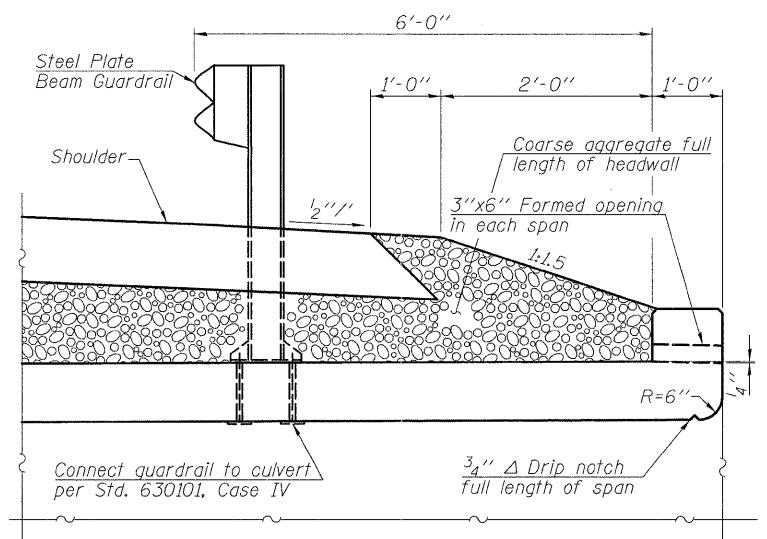
PLAN
(Settlement collar reinforcement and dimensions not shown for clarity)



SECTION B-B
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)



DRAIN OPENING AND GUARDRAIL
MOUNTING DETAIL AT DOWNSTREAM END



DRAIN OPENING AND GUARDRAIL
MOUNTING DETAIL AT UPSTREAM END

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
See sheet 7 of 8 for Elevation, Details, Settlement collar, and Section A-A.
Coarse aggregate is to be placed by Grading Contractor. Cost is included with Concrete Box Culverts.
Reinforcement bar spacings are at right angles to the bars.

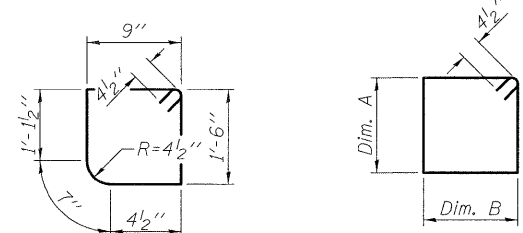
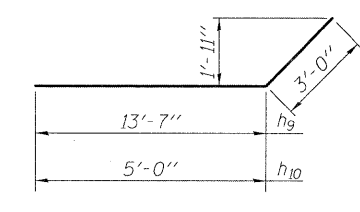
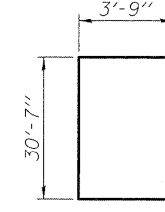
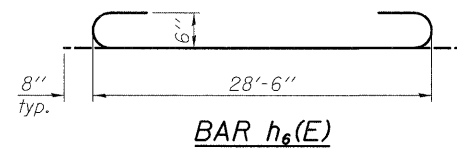
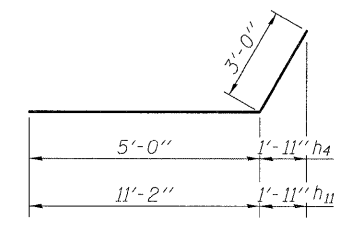
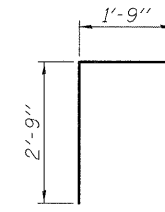
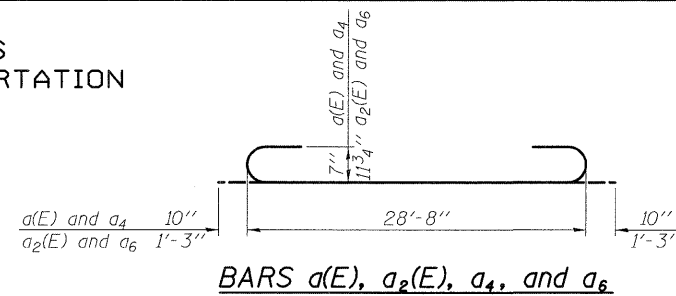
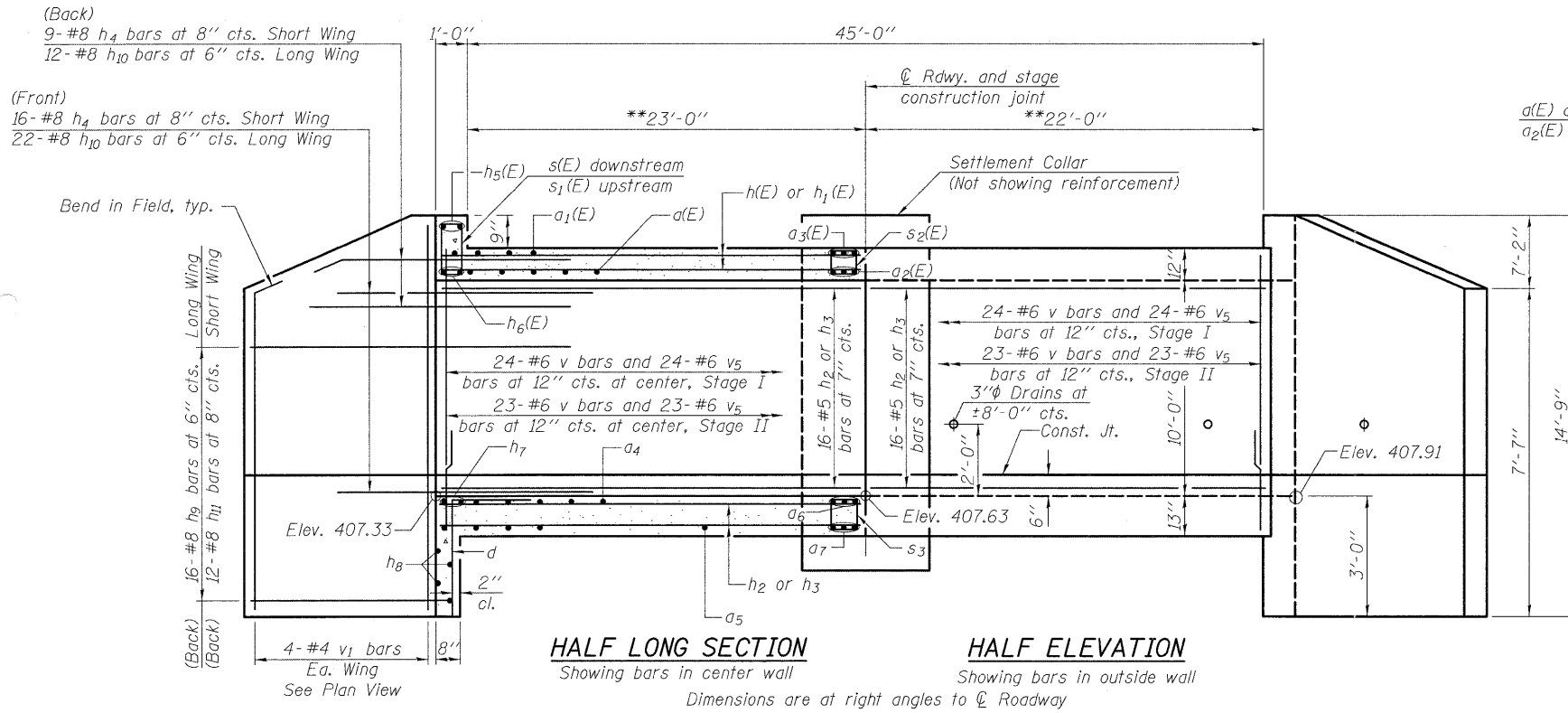
DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

HORNER & SHIFRIN, INC.
ENGINEERS

SHEET NO. 6 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	34
	CONTRACT NO. 76388				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

CULVERT PLAN
STRUCTURE NO. 082-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

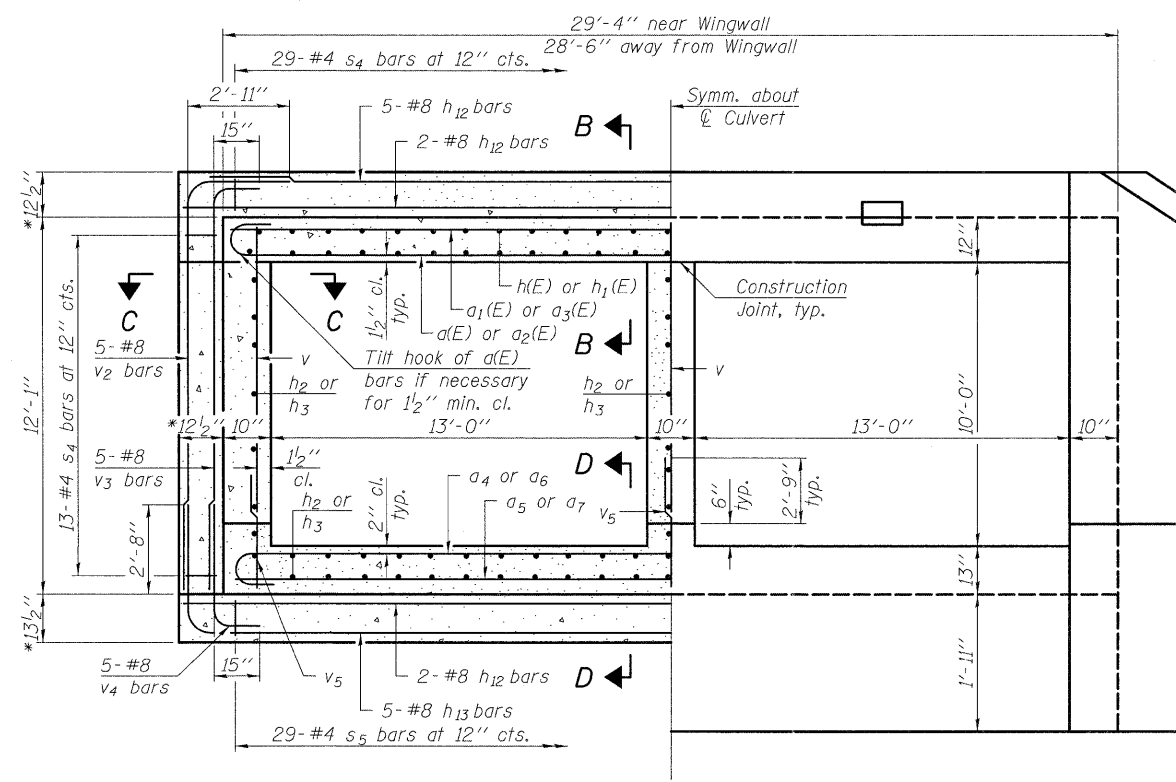
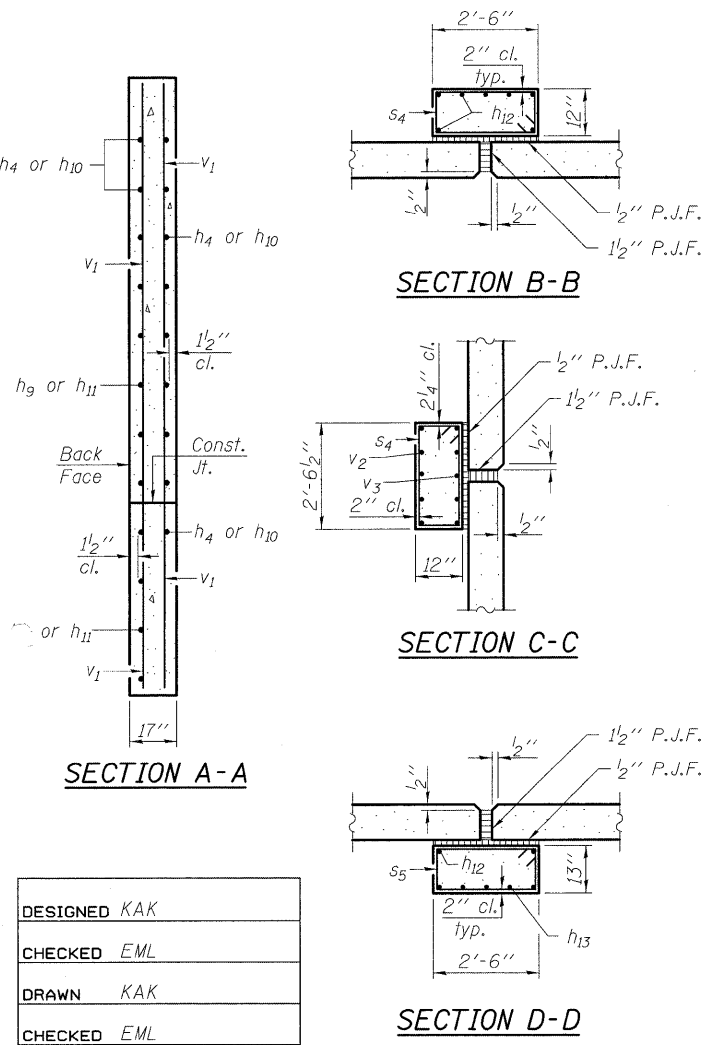


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	84	#7	30'-4"	U
a1(E)	84	#7	28'-8"	U
a2(E)	8	#9	31'-2"	U
a3(E)	8	#9	28'-8"	U
a4	84	#7	30'-4"	U
a5	84	#7	28'-8"	U
a6	8	#9	31'-2"	U
a7	8	#9	28'-8"	U
d	54	#4	4'-6"	L
h(E)	112	#5	24'-0"	U
h1(E)	112	#5	22'-8"	U
h2	106	#5	24'-0"	U
h3	106	#5	23'-0"	U
h4	50	#8	8'-0"	L
h5(E)	6	#6	28'-6"	U
h6(E)	6	#6	29'-10"	U
h7	6	#6	28'-6"	U
h8	6	#6	29'-6"	U
h9	32	#8	16'-7"	L
h10	68	#8	8'-0"	L
h11	24	#8	14'-2"	L
h12	9	#8	30'-3"	L
h13	5	#8	38'-1"	L
s(E)	38	#4	5'-3"	L
s1(E)	38	#4	5'-1"	L
s2(E)	172	#4	4'-3"	L
s3	172	#4	4'-5"	L
s4	55	#4	6'-5"	L
s5	29	#4	6'-7"	L
v	145	#6	10'-2"	U
v1	16	#4	14'-5"	U
v2	10	#8	15'-9"	L
v3	10	#8	13'-9"	L
v4	10	#8	5'-0"	L
v5	145	#6	3'-8"	U
Concrete Box Culverts			Cu. Yd.	192.6
Reinforcement Bars			Pound	28,690
Reinforcement Bars, Epoxy Coated			Pound	18,490

TABLE OF VARIABLE DIMENSIONS

Bar	Dim. A	Dim. B
s(E)	1'-6"	9"
s2(E)	9"	1'-0"
s3	10"	1'-0"
s4	2'-2"	8"
s5	2'-2"	9"



Notes:
* Includes 1/2" Preformed joint filler.
** Includes 1/2" Preformed joint filler.
Cost of Preformed joint filler included in Concrete Box Culverts.

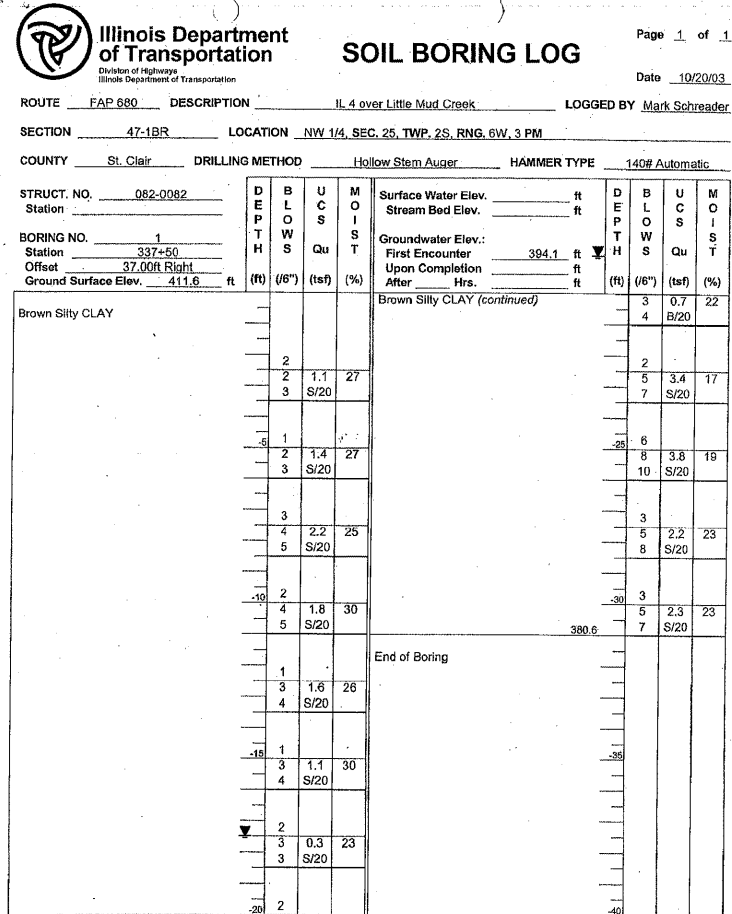
DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML



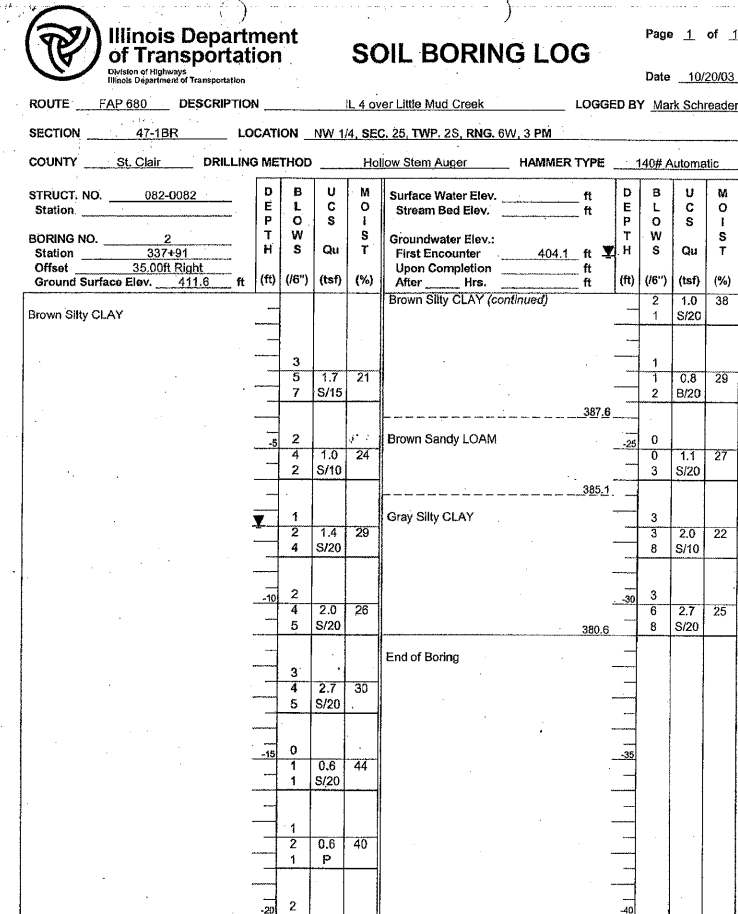
SHEET NO. 7 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	35
			CONTRACT NO. 76388		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

CULVERT ELEVATION AND DETAILS
STRUCTURE NO. 082-2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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)



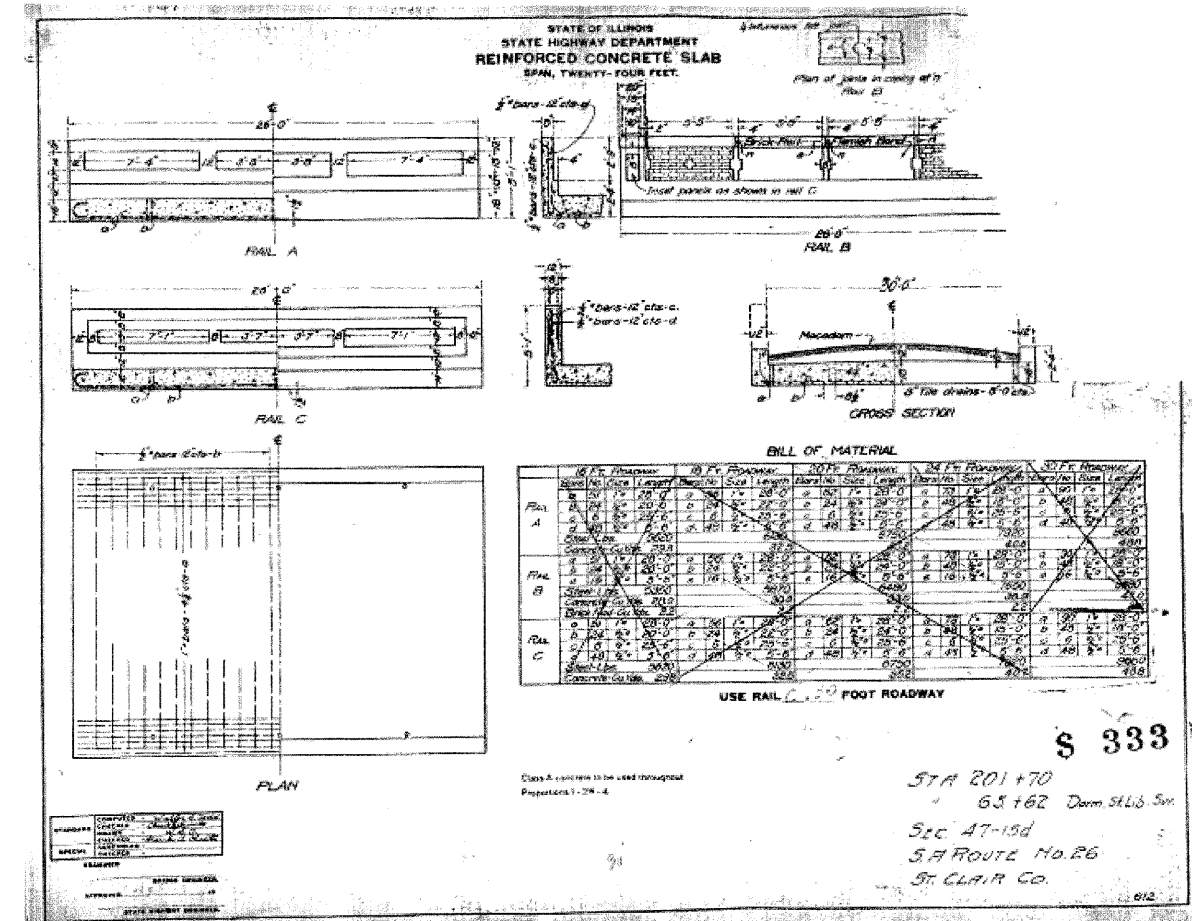
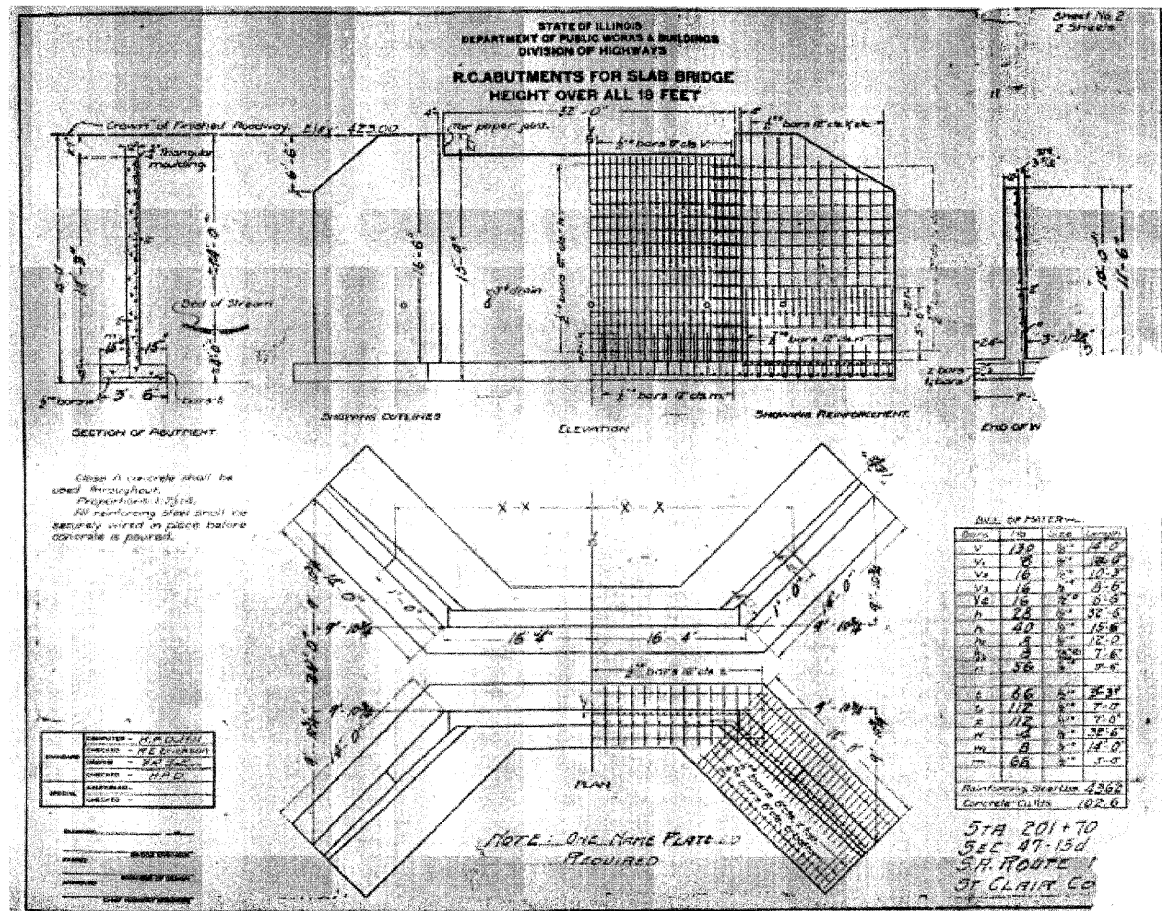
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML

BORING LOGS
STRUCTURE NO. 082-2021



SHEET NO. 8 8 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	680	47-1BR	ST. CLAIR	44	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76388					



FILE NAME =	USER NAME = thorpri	DESIGNED -	REVISED -
c:\pw_work\pwr\dot\thorpri\dms84068\0876388-shr-estruct.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

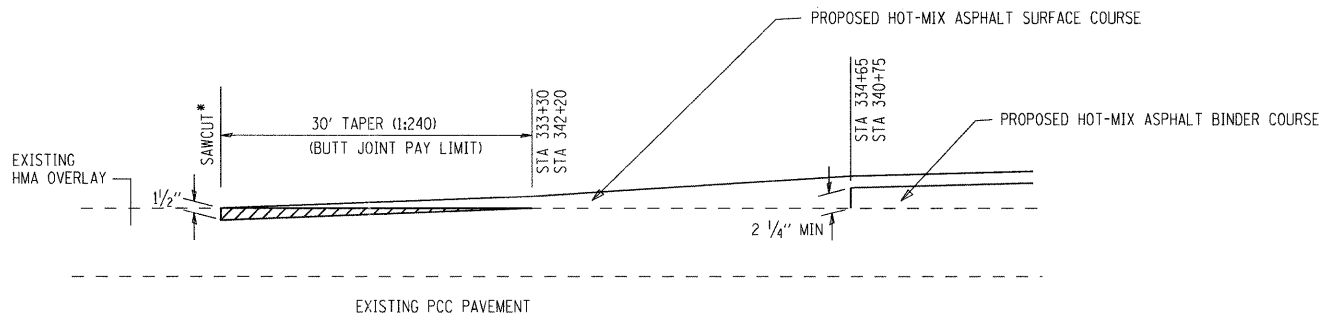
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

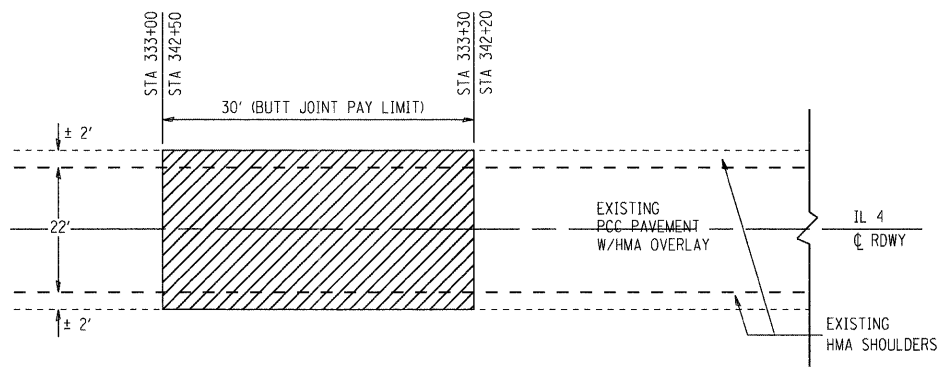
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	37
CONTRACT NO. 76388				

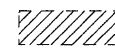
ILLINOIS FED. AID PROJECT



*COST OF SAWCUT TO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT ELEVATION VIEW



PLAN VIEW
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
STA 333+00 TO STA 333+30
STA 342+20 TO STA 342+50

 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

FILE NAME =	USER NAME = tharp1	DESIGNED -	REVISED -
c:\pw_work\pwidot\tharp1\dms84068\0876988-sht-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

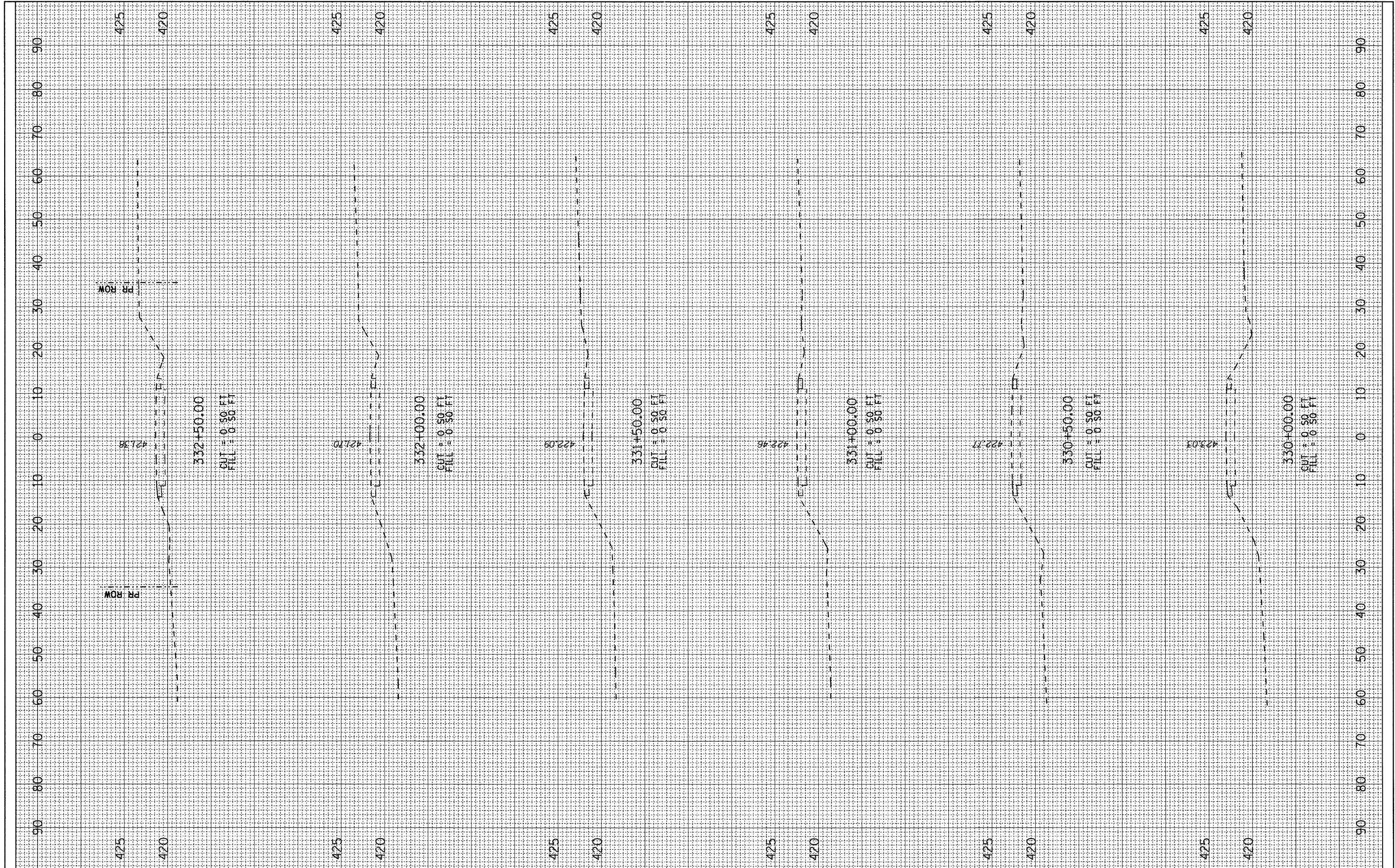
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS			
SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-IBR	ST. CLAIR	44	38
CONTRACT NO. 76388				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NO.	SURVEYED BY	DATE



FILE NAME = c:\pwork\pwidth\therpr\dmsB4068\0876388-sh...load.dgn

USER NAME = therpr
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 10/20/2011

DESIGNED - RLT
 DRAWN - RLT
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

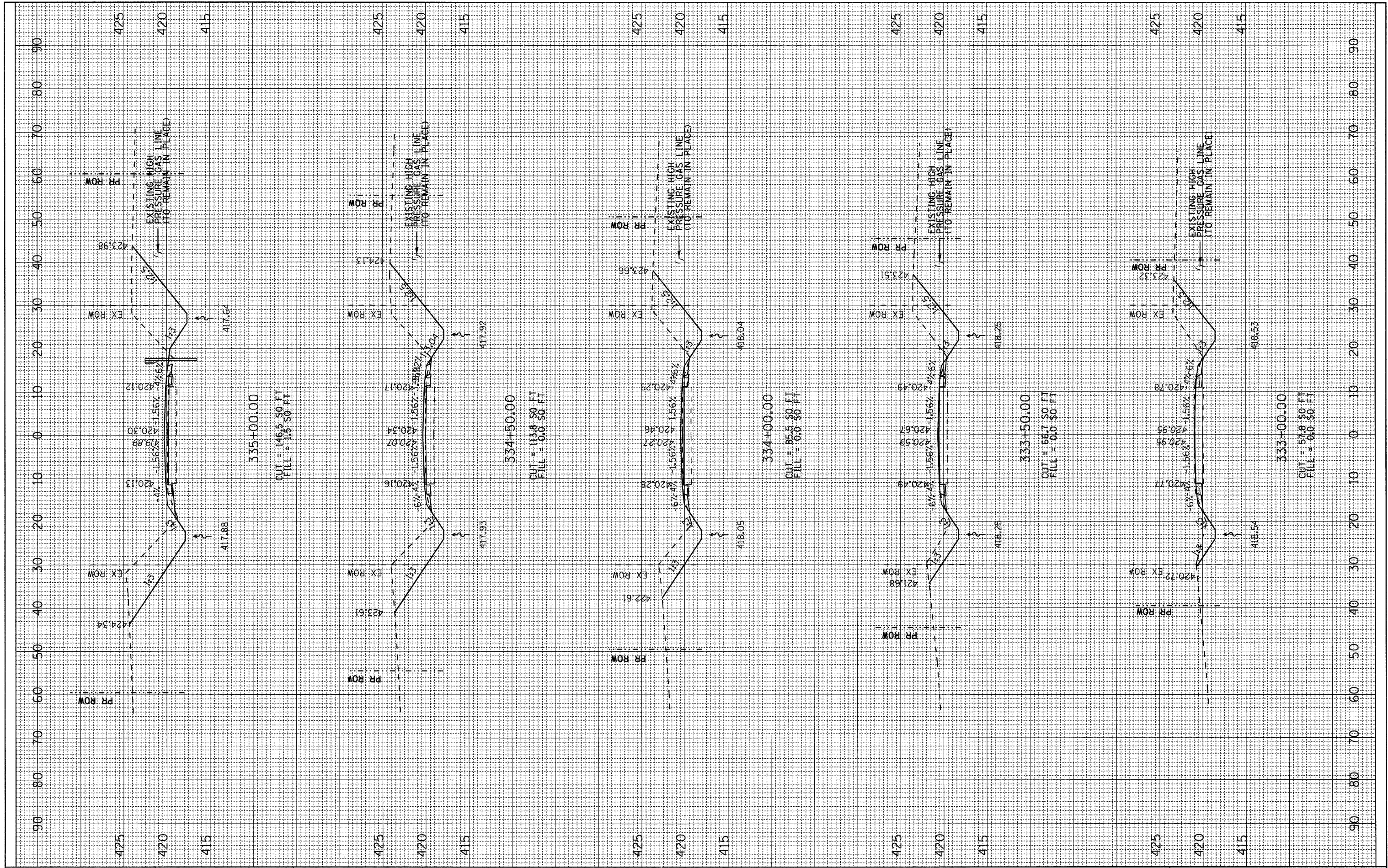
CROSS SECTIONS

SCALE: H=10 V=5 SHEET NO. 1 OF 6 SHEETS STA. 330+00.00 TO STA. 332+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	39
CONTRACT NO. 76388				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



FILE NAME = c:\pw_work\pwidot\therpr\1\dms84068\0876388-sht\load.dgn

USER NAME = therpr
 DESIGNED - RLT
 DRAWN - RLT
 CHECKED -
 DATE -

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

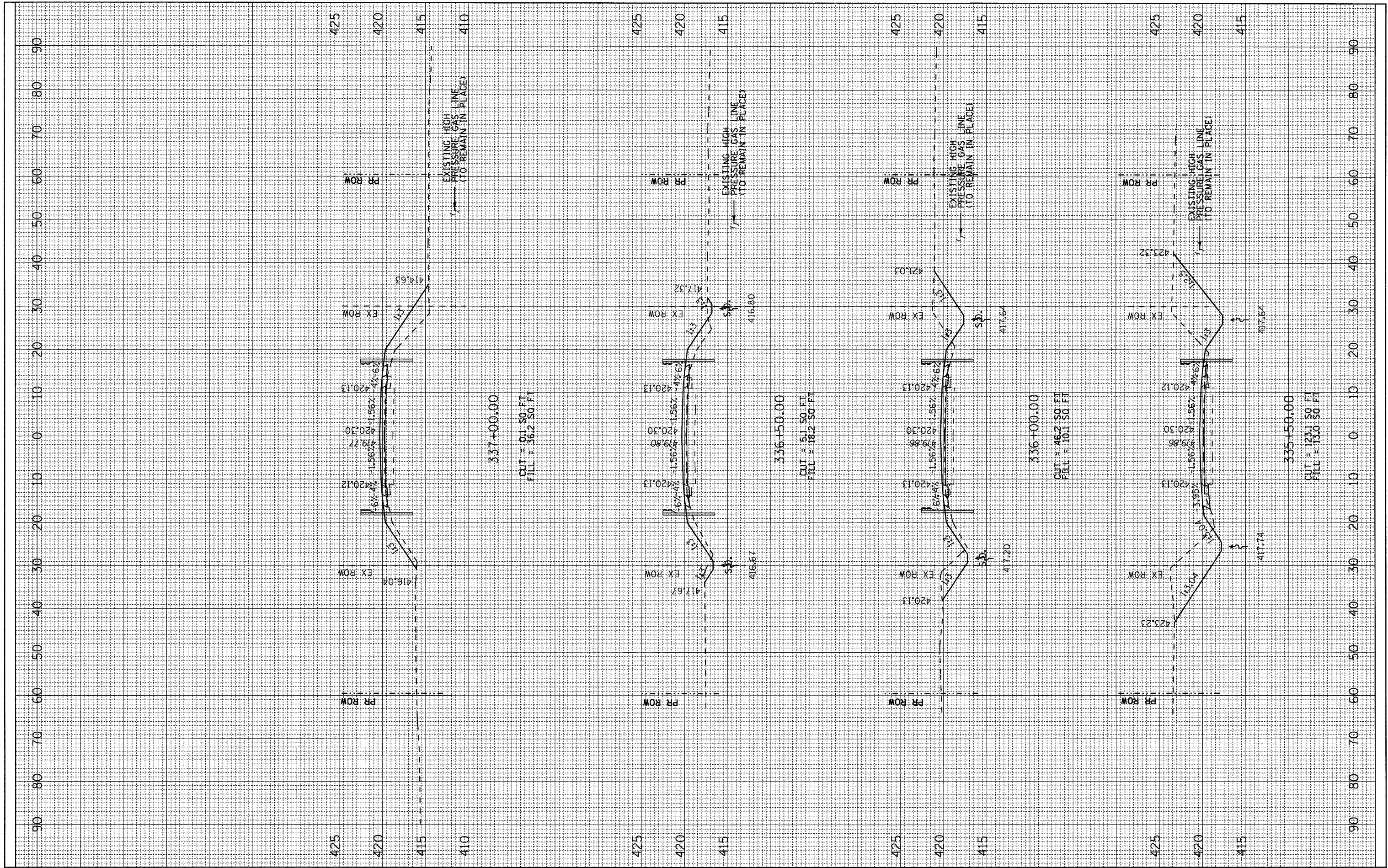
CROSS SECTIONS

SCALE: H=10 V=5 SHEET NO. 2 OF 6 SHEETS STA. 333+00.00 TO STA. 335+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	40
CONTRACT NO. 76388			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = c:\pw_work\pwr\dtd\tharp\1\dma84068\0876388-sh\load.dgn

USER NAME = tharp1
 DESIGNED - RLT
 DRAWN - RLT
 CHECKED -
 DATE -
 PLOT SCALE = 10.0000' / 1" /
 PLOT DATE = 10/20/2011

REVISOR -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

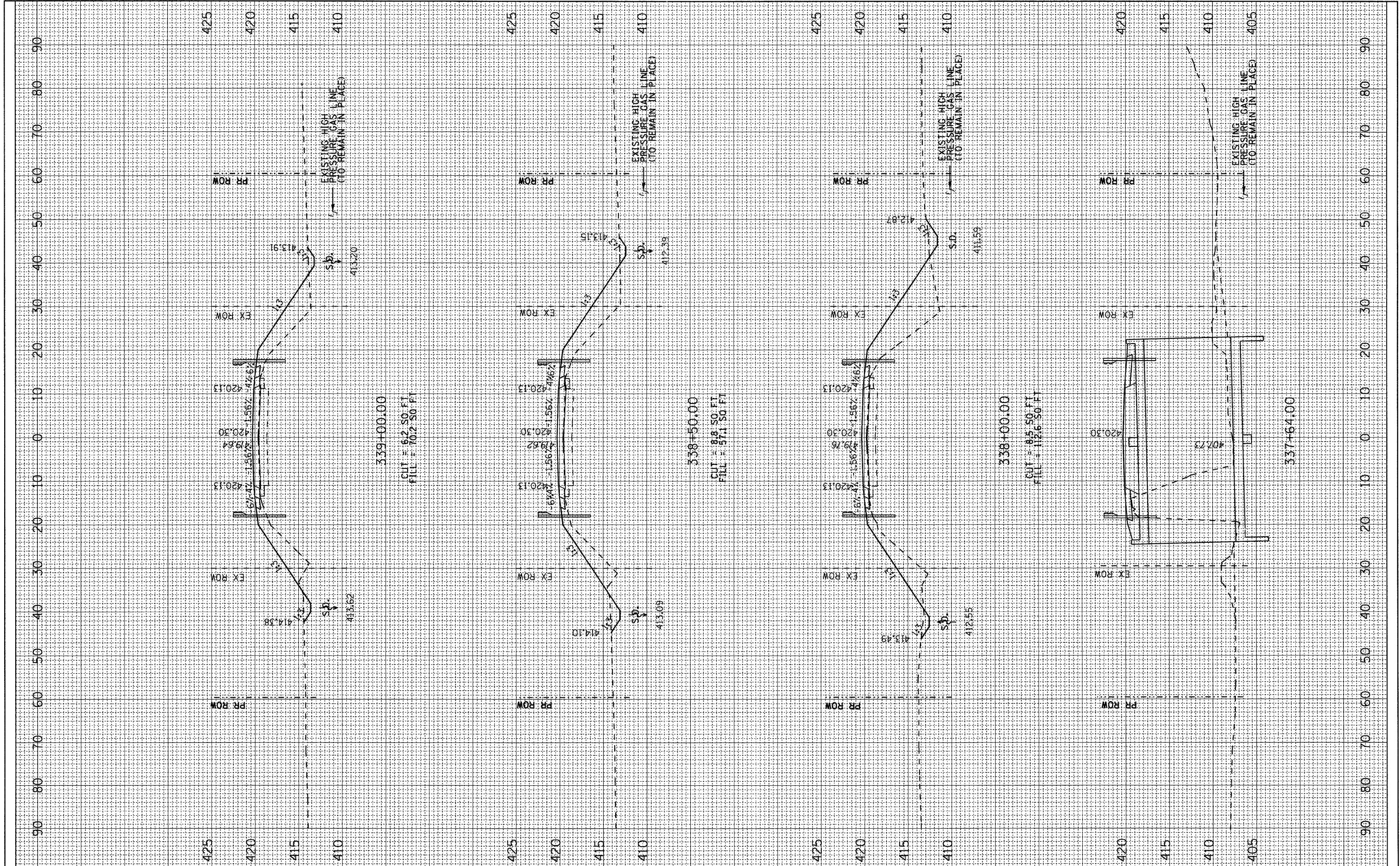
CROSS SECTIONS

SCALE: H=10 V=5 SHEET NO. 3 OF 6 SHEETS STA. 335+50.00 TO STA. 337+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	41
CONTRACT NO. 76388			ILLINOIS FED. AID PROJECT	

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

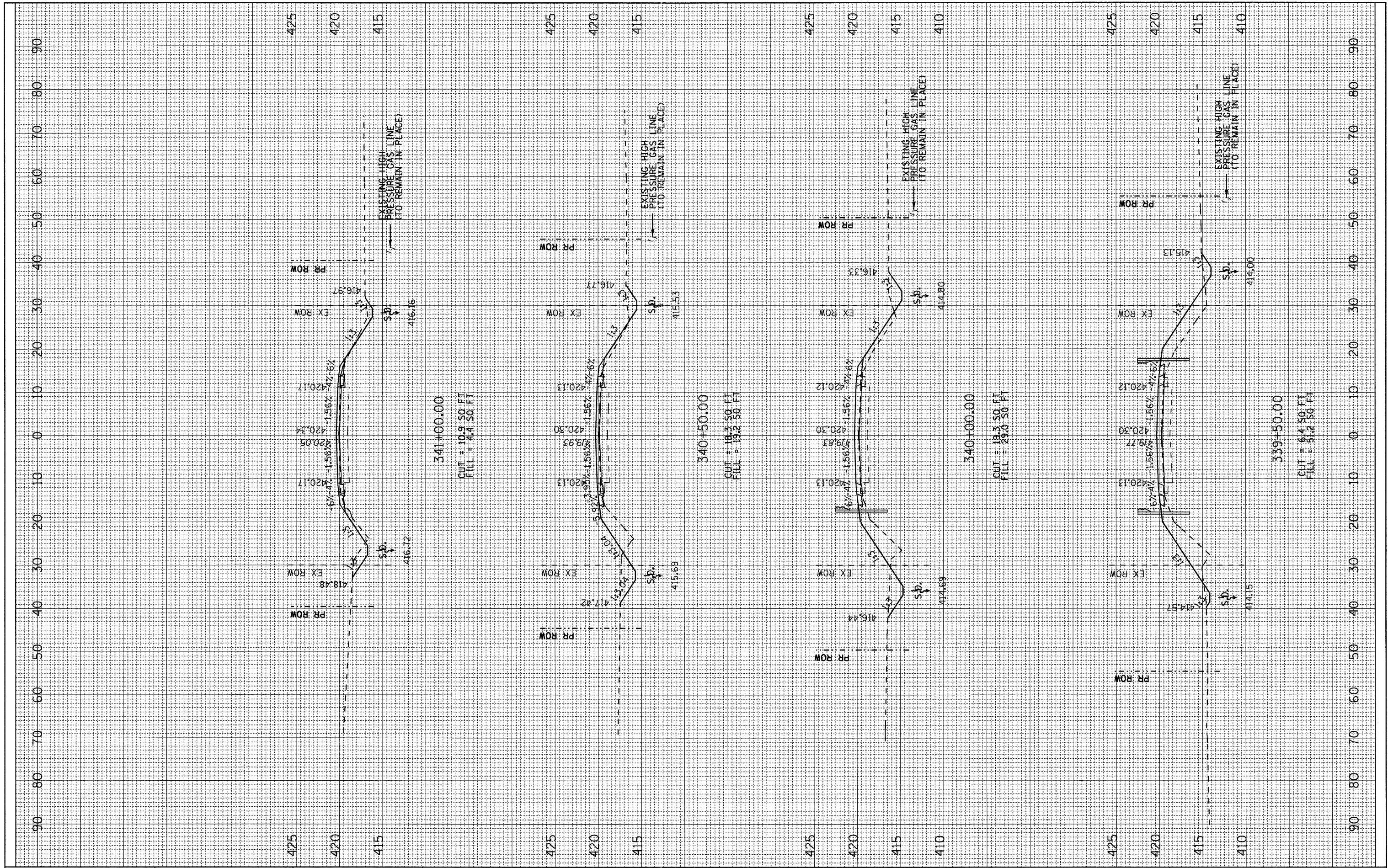
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



FILE NAME =	USER NAME = tharprl	DESIGNED - RLT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE. = 680	SECTION = 47-1BR	COUNTY = ST CLAIR	TOTAL SHEETS = 44	SHEET NO. = 42	
ci:\pw_work\pwidot\tharprl\dms84068\0876388-sht	load.dgn	DRAWN - RLT	REVISED -		SCALE: H=10 V=5	SHEET NO. 4 OF 6 SHEETS	STA. 337+64.00 TO STA. 339+00.00	CONTRACT NO. 76388				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

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



FILE NAME = c:\pwwork\pwwid\therp\1\dms84068\0876388-sht\load.dgn

USER NAME = therp1
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISOR -
 REVISIONS -
 REVISIONS -
 REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

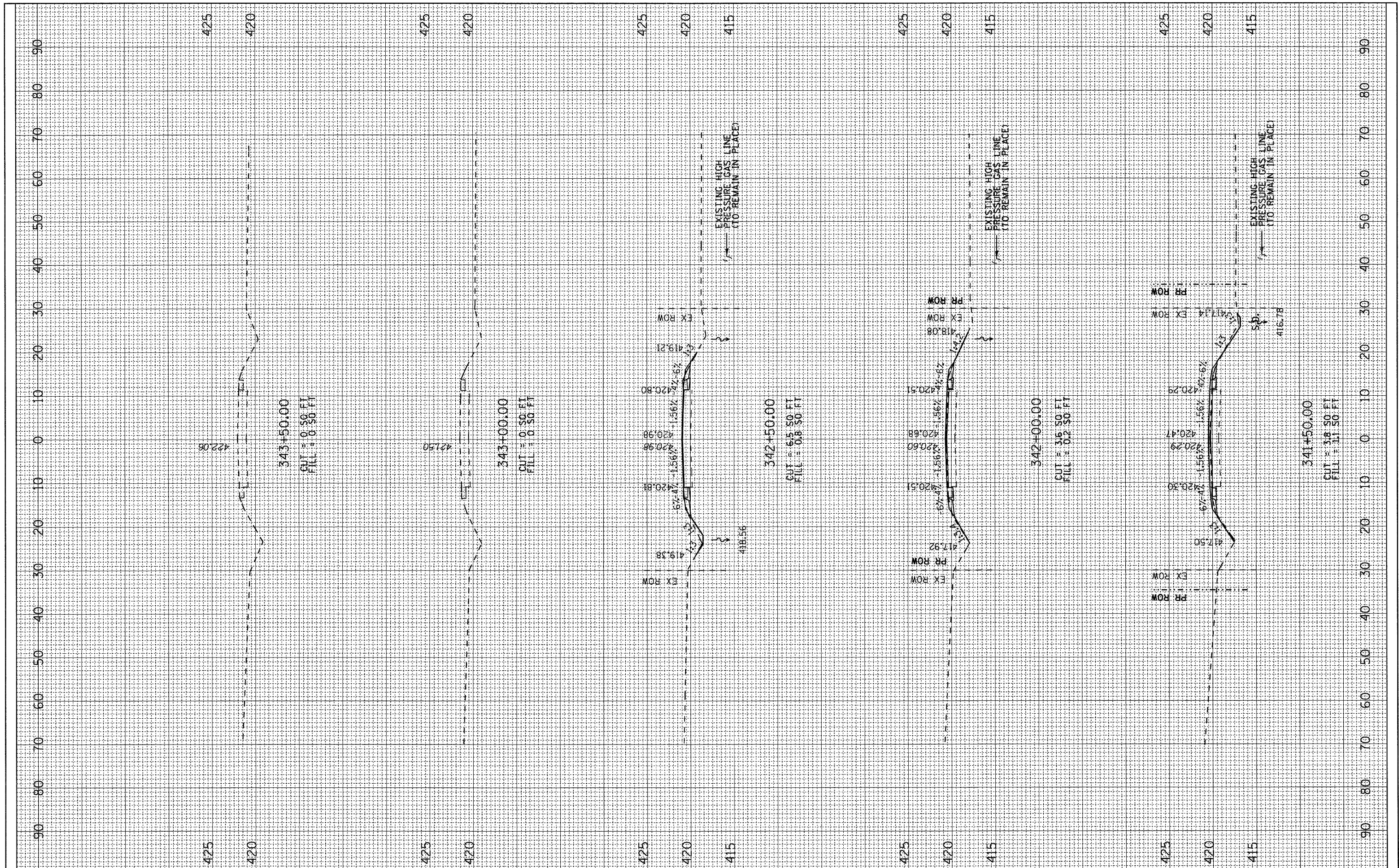
CROSS SECTIONS

SCALE: H=10 V=5 SHEET NO. 5 OF 6 SHEETS STA. 339+50.00 TO STA. 341+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
680	47-1BR	ST. CLAIR	44	43
CONTRACT NO. 76388				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwidot\therpr\dm84068\0876388-shc	therpr1	RLT	-			680	47-1BR	ST CLAIR	44	44	
load.dgn		DRAWN -	REVISED -			SCALE: H=10 V=5 SHEET NO. 6 OF 6 SHEETS STA. 341+50.00 TO STA. 343+50.00					
PLOT SCALE = 10,000' / in.		CHECKED -	REVISED -								
PLOT DATE = 10/20/2011		DATE -	REVISED -	ILLINOIS FED. AID PROJECT							