

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(139)RS-3, (140)RS-7	SANGAMON	13	1
		ILLINOIS	CONTRACT NO. 72E14	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 753 (IL 104)  
SECTION (139)RS-3, (140)RS-7  
PROJECT ACF-0753(040)  
RESURFACING (SMART)  
SANGAMON COUNTY  
C-96-035-11

**INDEX OF SHEETS**

SHEET #	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3, 4	SUMMARY OF QUANTITIES
5-7	TYPICAL CROSS SECTIONS
8-10	SCHEDULE OF QUANTITIES
11, 12	PROJECT LINE DIAGRAM
13	BUTT-JOINT /RIPRAP DETAILS

**STANDARDS**

000001-06	701201-04
001006	701301-04
442001-04	701306-03
442101-07	701311-03
442201-03	701901-01
482011-03	780001-02
701006-03	781001-03
701011-02	

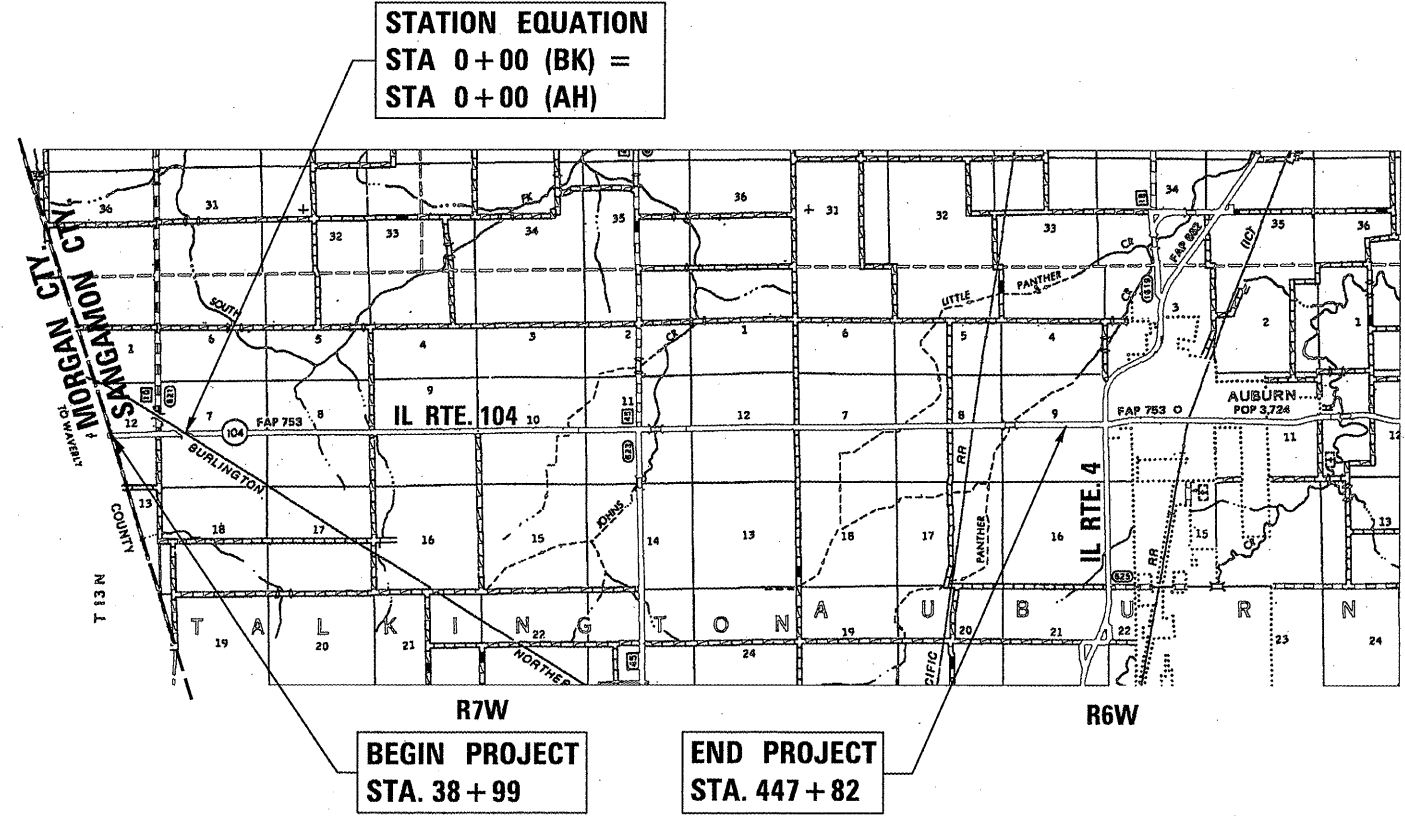
**IL 104 ADT (YR. 2009)**

POV	=	2,175	(85.3%)
SU, MU	=	375	(14.7%)
TOTALS	=	2,550	(100.0%)

D-96-035-11



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

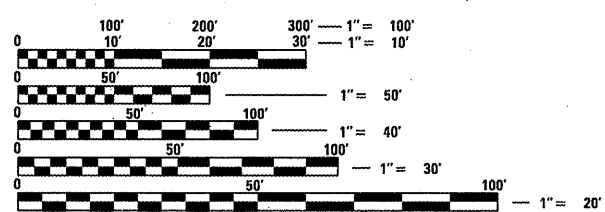


BEGIN PROJECT  
STA. 38 + 99

END PROJECT  
STA. 447 + 82

**LOCATION MAP**

GROSS LENGTH = 48,681.00 FT. = 9.220 MILES  
NET LENGTH = 48,681.00 FT. = 9.220 MILES



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED August 17 20 11  
*Roger Z. Dinsdale*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 14 20 11  
*Scott E. Stett P.E. Inc.*  
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 14 20 11  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: VINCE MADONIA (217) 785-9046  
PROJECT TEAM MANAGER: TIM SLAGLE (217) 785-5338

CONTRACT NO. 72E14

**GENERAL NOTES**

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2 " UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. NO PASSING ZONES ARE TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-785-5312)
9. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:  
 BITUMINOUS MATERIALS (PRIME COAT) 0.00038 TON/SQ. YD. (ON PAVEMENT)  
 BITUMINOUS MATERIALS (PRIME COAT) 0.001425 TON/SQ. YD. (ON AGG.)  
 AGGREGATE PRIME COAT 0.002 TON/SQ. YD.  
 BITUMINOUS CONCRETE SURFACE / BINDER 0.056 TON/SQ. YD. PER 1"  
 AGGREGATE MATERIAL 2.05 TON/CU. YD.
10. EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION TRAFFIC PATTERNS SHALL BE COVERED, RELOCATED, OR REMOVED UNTIL NORMAL TRAFFIC PATTERNS ARE RE-ESTABLISHED. THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
11. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPOERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	MAINLINE HMA SURFACE COURSE	HMA SHOULDER RESURFACING	HMA PAVEMENT PATCHING
PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0 % @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5	IL 19.0
FRICTION AGGREGATE:	MIX "C"	MIX "C"	N/A

DISTRICT SIX	
EXAMINED <u>June 2</u> 20 <u>11</u> <i>Chris Walker</i>	OPERATIONS ENGINEER
EXAMINED <u>JUNE 13</u> 20 <u>11</u> <i>Jimmy Ford</i>	PROJECT IMPLEMENTATION ENGINEER
EXAMINED <u>June 1</u> 20 <u>11</u> <i>ARMIA</i>	PROGRAM DEVELOPMENT ENGINEER

### SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITY	
			80% FEDERAL / 20% STATE	
			0005	
28100207	STONE RIPRAP, CLASS A4	TON	189	
28200200	FILTER FABRIC	SQ YD	115	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	66.1	
40600300	AGGREGATE (PRIME COAT)	TON	348	
40600895	CONSTRUCTING TEST STRIP	EACH	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	72	
40600990	TEMPORARY RAMP	SQ YD	22	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	14,605	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	173,844	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	120	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,787	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	
67100100	MOBILIZATION	L SUM	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17,573	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,929	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	111,567	

**\*SPECIALTY ITEM**

FILE NAME =	USER NAME = sparksgu	DESIGNED - RTS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ei:\pv\work\pvidot\sparksgu\d0245881\0672E14-sht-500.dgn		DRAWN - RTS	REVISED -			753	(139)RS-3, (140)RS-7	SANGAMON	13	3	
PLOT SCALE = 100.0000' / in.		CHECKED - RTS	REVISED -			CONTRACT NO. 72E14					
PLOT DATE = Aug-19-2011 06:48:02AM		DATE - 05-20-11	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 1 OF 2 SHEETS		STA.	TO STA.		

SUMMARY OF QUANTITIES (CONTINUED)

CODE NO	ITEM	UNIT	TOTAL QUANTITY
			80% FEDERAL / 20% STATE
			0005
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	609
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	609
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

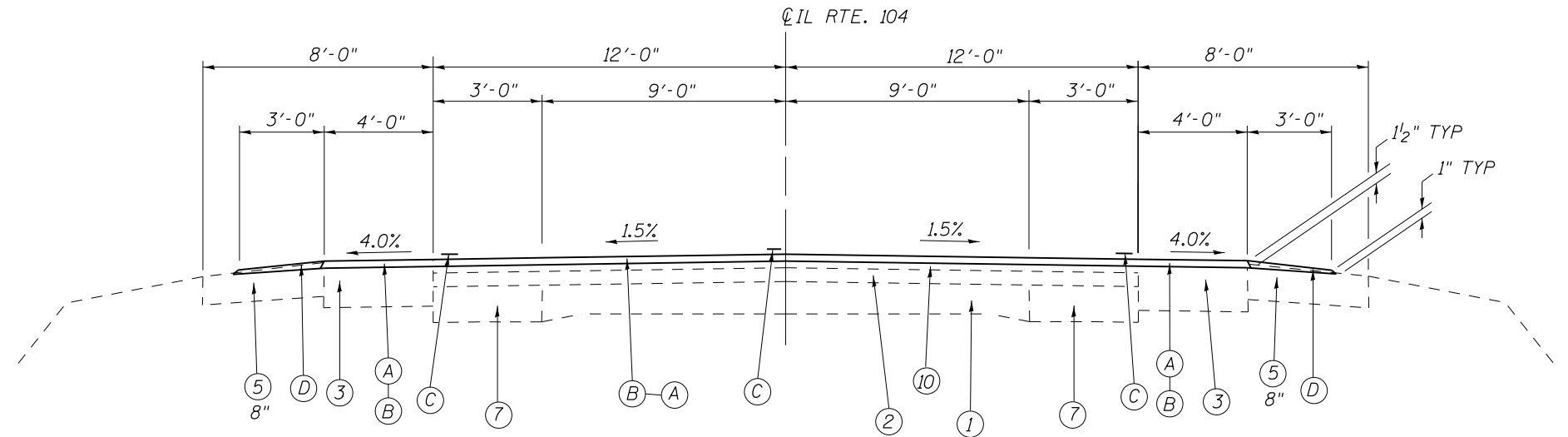
\* SPECIALTY ITEM

FILE NAME : cr:\pr-work\puidot\sparksgw\d0245881\067	USER NAME : sparksgw	DESIGNED - RTS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
E14-sh1-500.dgn		DRAWN - RTS	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	753	I139RS-3, I140RS-7	SANGAMON	13	4
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72E14								
PLOT DATE = Aug-19-2011 06:48:02AM		DATE - 05-20-11	REVISED -		ILLINOIS FED. AID PROJECT								

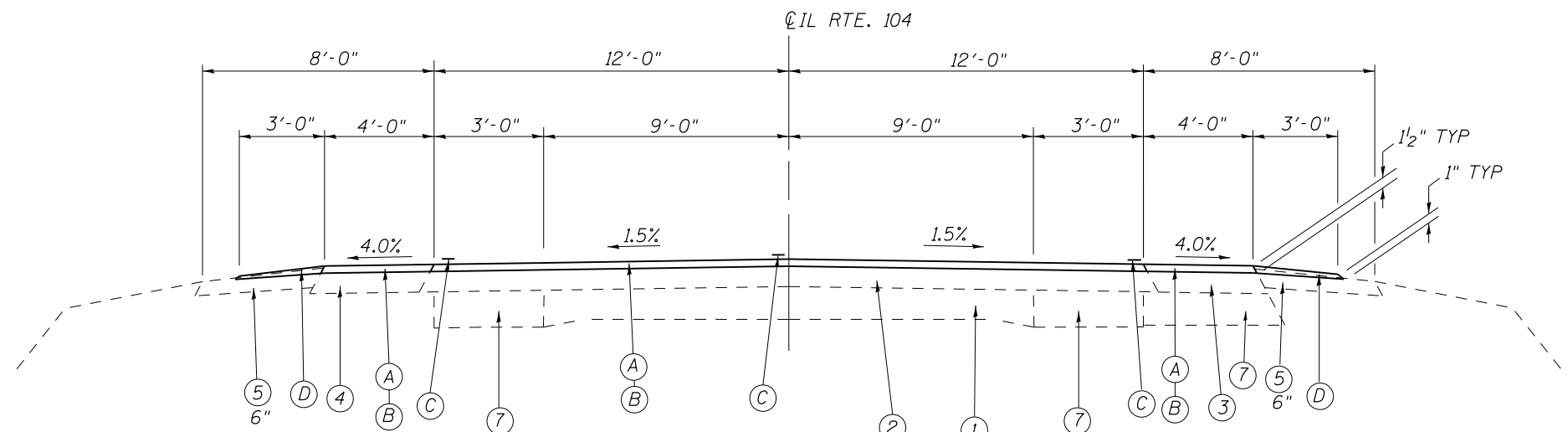
**LEGEND**

- ① EXISTING 9"-6"-9" PCC PAVEMENT
- ② EXISTING HMA SURFACE, THICKNESS VARIES
- ③ EXISTING HMA SHOULDERS 8"
- ④ EXISTING HMA SHOULDERS, VARIABLE DEPTH
- ⑤ EXISTING AGGREGATE SHOULDERS, TYPE A
- ⑥ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑦ EXISTING HMA BASE COURSE WIDENING 9"
- ⑧ EXISTING EMBANKMENT
- ⑨ EXISTING HMA BINDER COURSE, VARIABLE DEPTH
- ⑩ EXISTING LEVELING BINDER 3/4"
  
- (A) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (B) PROPOSED HMA SURFACE COURSE, MIX "C", N50, 1 1/2"
- (C) PROPOSED PAVEMENT MARKING - LINE 5"
- (D) PROPOSED AGGREGATE SHOULDERS, TYPE B

NOTE:  
IT IS RECOMMENDED THAT THE PROPOSED MILLING & RESURFACING OF EXISTING HMA SHOULDERS BE PERFORMED AT THE SAME TIME AS THE PROPOSED MILLING & RESURFACING OF MAINLINE PAVEMENT.



STA. 38+99.60 TO STA. 0+00.00  
 STATION EQUATION:  
 STA. 0+00.00 BACK = STA. 0+00.00 AHEAD  
 STA. 0+00.00 TO STA. 384+25.00  
 STA. 395+50.00 TO STA. 404+00.00  
 STA. 413+50.00 TO STA. 452+26.63



(EX BIT. BINDER - 2)  
 1" TO 15" DEPTH W/  
 1 1/2" BIT. SURF.)

STA. 227+50.00 TO STA. 231+47.00  
 STA. 232+15.00 TO STA. 235+50.00

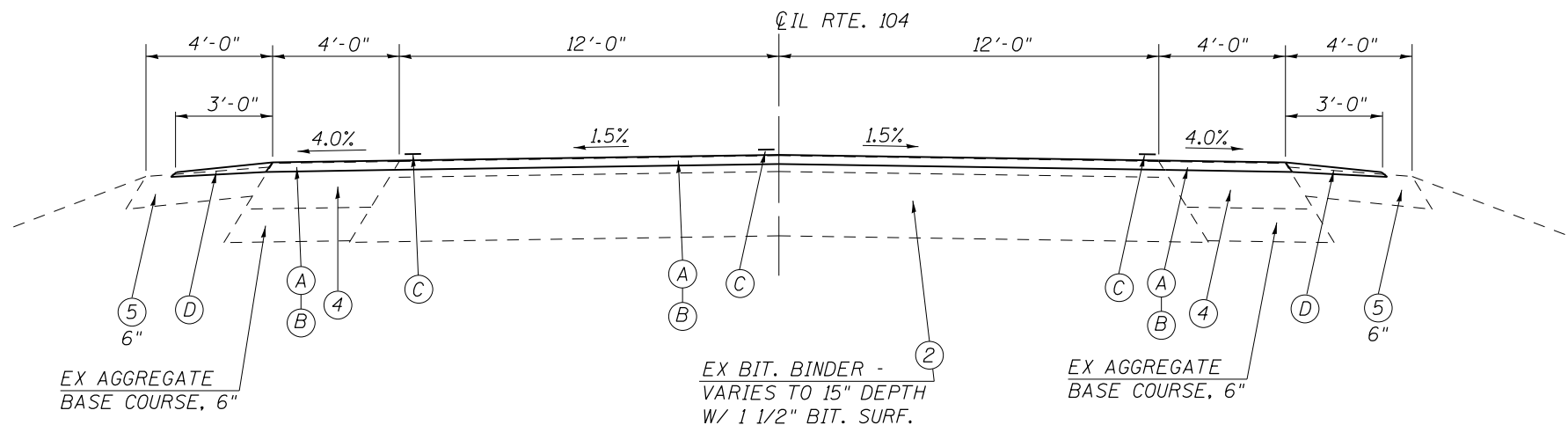
FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw\work\p\dot\sparksgw\0245881\067214-sht-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	753	(139)RS-3, (140)RS-7	SANGAMON	13	5
		CHECKED -	REVISED -		CONTRACT NO. 72E14								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

**LEGEND**

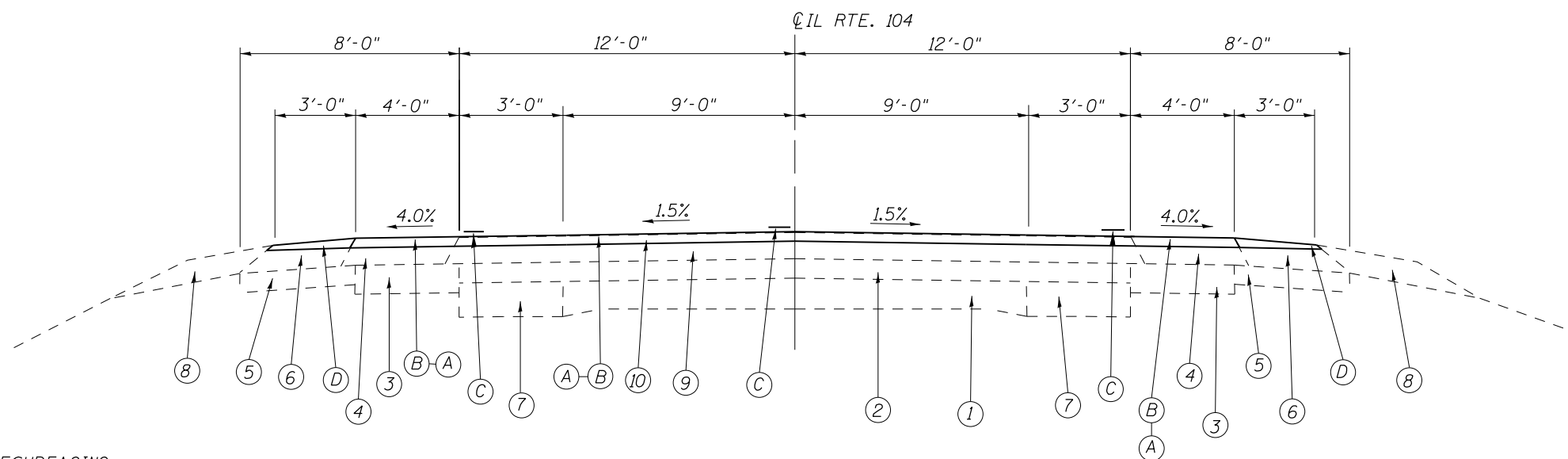
- ① EXISTING 9"-6"-9" PCC PAVEMENT
- ② EXISTING HMA SURFACE, THICKNESS VARIES
- ③ EXISTING HMA SHOULDERS 8"
- ④ EXISTING HMA SHOULDERS, VARIABLE DEPTH
- ⑤ EXISTING AGGREGATE SHOULDERS, TYPE A
- ⑥ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑦ EXISTING HMA BASE COURSE WIDENING 9"
- ⑧ EXISTING EMBANKMENT
- ⑨ EXISTING HMA BINDER COURSE, VARIABLE DEPTH
- ⑩ EXISTING LEVELING BINDER 3/4"

- (A) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (B) PROPOSED HMA SURFACE COURSE, MIX "C", N50, 1 1/2"
- (C) PROPOSED PAVEMENT MARKING - LINE 5"
- (D) PROPOSED AGGREGATE SHOULDERS, TYPE B

NOTE:  
IT IS RECOMMENDED THAT THE PROPOSED MILLING & RESURFACING OF EXISTING HMA SHOULDERS BE PERFORMED AT THE SAME TIME AS THE PROPOSED MILLING & RESURFACING OF MAINLINE PAVEMENT.

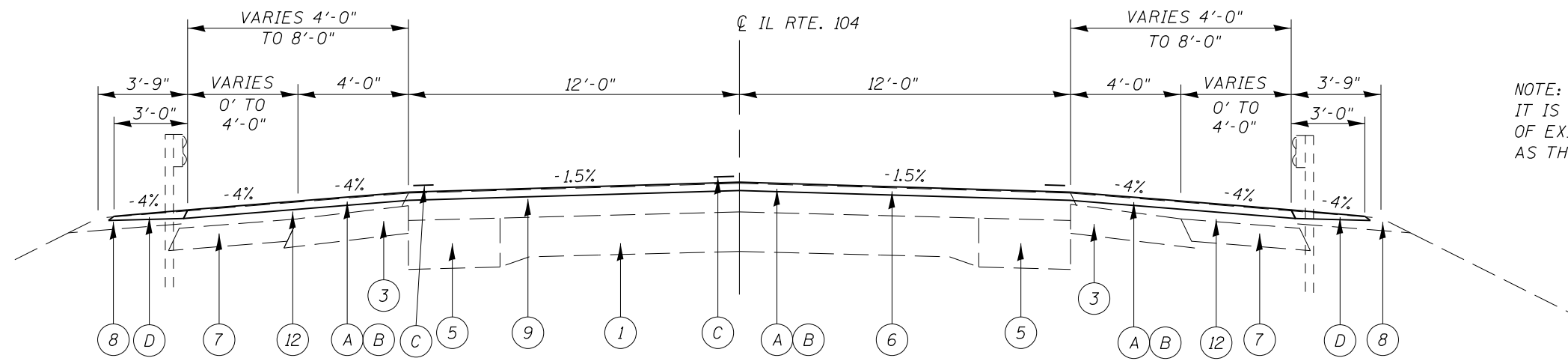


**STA. 231+47.00 TO STA. 232+15.00**  
**(PAVEMENT OVER JOHN'S CREEK)**



**STA. 384+25.00 TO STA. 395+50.00**

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ci:\pw\work\pwidot\sparksgw\0245881\0672E14-sh-t-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	753	(139)RS-3, (140)RS-7	SANGAMON	13	6
		PLOT SCALE = 4.0000' / in.	CHECKED -		REVISED -								
		PLOT DATE = Aug-19-2011 06:44:50AM	DATE -		REVISED -								
ILLINOIS FED. AID PROJECT											CONTRACT NO. 72E14		

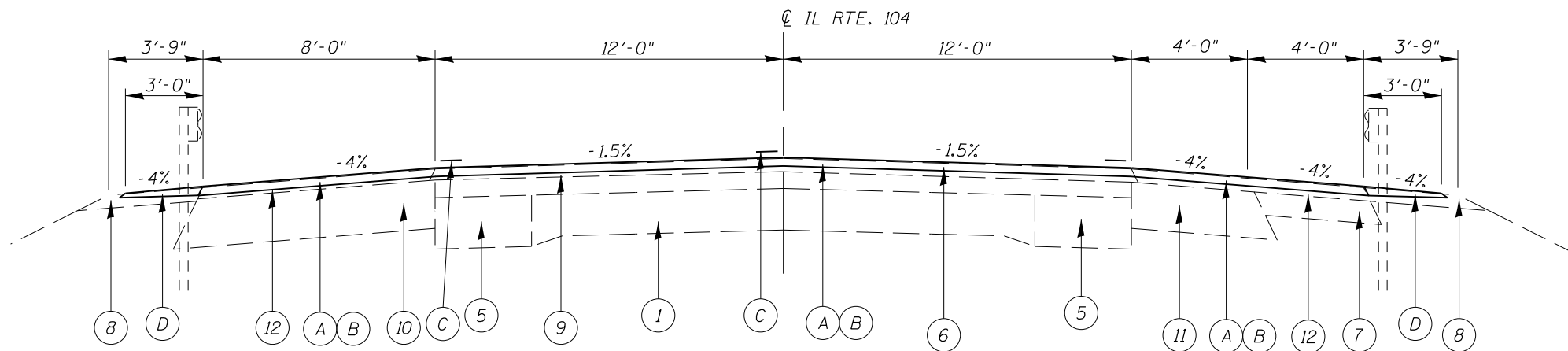


STA. 404+00.00 TO STA. 406+00.00  
 STA. 412+00.00 TO STA. 413+50.00

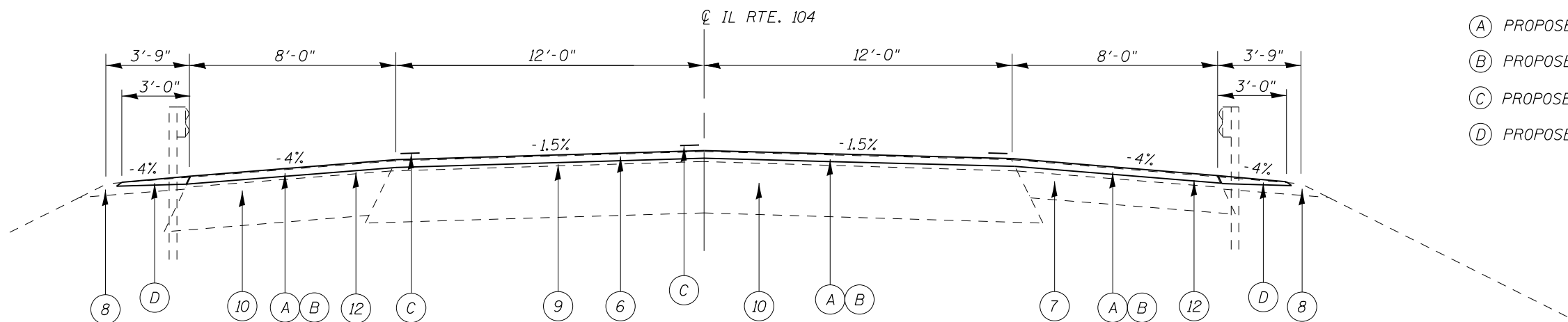
NOTE:  
 IT IS RECOMMENDED THAT THE PROPOSED MILLING & RESURFACING OF EXISTING HMA SHOULDERS BE PERFORMED AT THE SAME TIME AS THE PROPOSED MILLING & RESURFACING OF MAINLINE PAVEMENT.

**LEGEND**

- ① EXISTING 9"-6"-9" PCC PAVEMENT
- ② EXISTING HOT MIX ASPHALT SURFACE
- ③ EXISTING HOT MIX ASPHALT SHOULDERS 8"
- ④ OMITTED
- ⑤ EXISTING HOT MIX ASPHALT BASE COURSE WIDENING 9"
- ⑥ EXISTING HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- ⑦ EXISTING HOT MIX ASPHALT SHOULDERS, 6"
- ⑧ EXISTING AGGREGATE SHOULDERS, TYPE B (2 1/4" & VARIES)
- ⑨ EXISTING LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- ⑩ EXISTING HOT MIX ASPHALT BASE COURSE, 10"
- ⑪ EXISTING HOT MIX ASPHALT BASE COURSE WIDENING, 10"
- ⑫ EXISTING HOT MIX ASPHALT SHOULDERS (2 1/4" AND VAR)
- (A) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (B) PROPOSED HMA SURFACE COURSE, MIX "C", N50, 1 1/2"
- (C) PROPOSED PAVEMENT MARKING - LINE 5"
- (D) PROPOSED AGGREGATE SHOULDERS, TYPE B



STA. 406+00.00 TO STA. 407+90.00  
 STA. 409+40.00 TO STA. 412+00.00



STA. 407+90.00 TO STA. 409+40.00  
 (PAVEMENT OVER PANTHER CREEK)

FILE NAME =	USER NAME = sparksgw	DESIGNED - RTS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ei:\pw\work\p\idot\sparksgw\10245881\067214-sht-typical.dgn		DRAWN - RTS	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	(139)RS-3, (140)RS-7	SANGAMON	13	7
		CHECKED -	REVISED -		CONTRACT NO. 72E14							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

HOT-MIX ASPHALT MAINLINE PAVEMENT										
LOCATION			DISTANCE OF RUN	PAVEMENT WIDTH	PAVEMENT AREA	HMA SURFACE REMOVAL (1-1/2" @ CENTERLINE)	HMA SURFACE COURSE, MIX "C", N50, 1-1/2"	BITUMINOUS (PRIME COAT)	AGGRATE (PRIME COAT)	HMA SURFACE REMOVAL BUTT- JOINT
			(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(SQ YD)
IL 104										
STA 38+99.00	TO	STA 38+89.00	10.00	32	35.6	35.6	3.0	0.0	0.1	35.6
STA 38+89.00	TO	STA 0+00.00	3,889.00	24	10,370.7	10,370.7	871.1	3.9	20.7	
STA. EQUATION: 0+00.00 (BACK) = 0+00.00 (AHEAD)										
STA 0+00.00	TO	STA 50+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 50+00.00	TO	STA 100+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 100+00.00	TO	STA 150+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 150+00.00	TO	STA 200+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 200+00.00	TO	STA 250+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 250+00.00	TO	STA 300+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 300+00.00	TO	STA 350+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 350+00.00	TO	STA 400+00.00	5,000.00	24	13,333.3	13,333.3	1,120.0	5.1	26.7	
STA 400+00.00	TO	STA 447+72.00	4,772.00	24	12,725.3	12,725.3	1,068.9	4.8	25.5	
STA 447+72.00	TO	STA 447+82.00	10.00	32	35.6	35.6	3.0	0.0	0.1	35.6
TOTALS:			48,681		129,833.8	129,833.8	10,906.0	49.4	259.7	71.2

HOT-MIX ASPHALT SHOULDER SCHEDULE											
LOCATION			DISTANCE OF RUN	LEFT SHOULDER WIDTH	RIGHT SHOULDER WIDTH	LEFT SHOULDER AREA	RIGHT SHOULDER AREA	HMA SURFACE SURFACE REMOVAL, 1 1/2" (LEFT & RIGHT)	HMA SURFACE COURSE, MIX "C", N50, 1 1/2"	BITUMINOUS (PRIME COAT)	AGGRATE (PRIME COAT)
			(FOOT)	(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)
IL RTE.104											
STA 38+99.00	TO	STA 38+89.00	10.00	4.0	4.0	4.4	4.4		0.8	0.0	0.1
STA 38+89.00	TO	STA 0+00.00	3,889.00	4.0	4.0	1,728.4	1,728.4	3,456.9	290.4	1.3	6.9
STATION EQUATION: STA. 0+00.00 (BACK) = STA. 0+00.00 (AHEAD)											
STA 0+00.00	TO	STA 50+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 50+00.00	TO	STA 100+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 100+00.00	TO	STA 150+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 150+00.00	TO	STA 200+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 200+00.00	TO	STA 250+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 250+00.00	TO	STA 300+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 300+00.00	TO	STA 350+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 350+00.00	TO	STA 400+00.00	5,000.00	4.0	4.0	2,222.2	2,222.2	4,444.4	373.3	1.7	8.9
STA 400+00.00	TO	STA 404+00.00	400.00	4.0	4.0	177.8	177.8	355.6	29.9	0.1	0.7
STA 404+00.00	TO	STA 405+00.00	100.00	VAR, 4'-8'	VAR, 4'-8'	66.7	66.7	133.3	11.2	0.1	0.3
STA 405+00.00	TO	STA 412+50.00	750.00	8.0	8.0	666.7	666.7	1,333.3	112.0	0.5	2.7
STA 412+50.00	TO	STA 413+50.00	100.00	VAR, 4'-8'	VAR, 4'-8'	66.7	66.7	133.3	11.2	0.1	0.3
STA 413+50.00	TO	STA 447+72.00	3,422.00	4.0	4.0	1,520.9	1,520.9	3,041.8	255.5	1.2	6.1
STA 447+72.00	TO	STA 447+82.00	10.00	4.0	4.0	4.4	4.4		0.8	0.1	0.1
TOTALS:						22,013.8	22,013.8	44,009.8	3,698.3	16.7	88.1



AGGREGATE SHOULDER SCHEDULE										
LOCATION			DISTANCE OF RUN	LEFT SHOULDER WIDTH	RIGHT SHOULDER WIDTH	AVERAGE DEPTH	LEFT SHOULDER AREA	RIGHT SHOULDER AREA	VOLUME (LT & RT)	AGGREGATE WEDGE TYPE B
			(FOOT)	(FOOT)	(FOOT)	(INCH)	(SQ FT)	(SQ FT)	(CU YD)	(TON)
IL RTE.104										
STA 38+99.00	TO	STA 38+89.00	10.00	3.0	3.0	1.50	30.00	30.00	0.28	0.57
STA 38+89.00	TO	STA 0+00.00	3,889.00	3.0	3.0	1.50	11,667.00	11,667.00	108.03	221.46
STATION EQUATION: STA. 0+00.00 (BACK) = STA. 0+00.00 (AHEAD)										
STA 0+00.00	TO	STA 50+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 50+00.00	TO	STA 100+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 100+00.00	TO	STA 150+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 150+00.00	TO	STA 200+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 200+00.00	TO	STA 250+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 250+00.00	TO	STA 300+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 300+00.00	TO	STA 350+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 350+00.00	TO	STA 400+00.00	5,000.00	3.0	3.0	1.50	15,000.00	15,000.00	138.89	284.72
STA 400+00.00	TO	STA 404+00.00	400.00	3.0	3.0	1.50	1,200.00	1,200.00	11.11	22.78
STA 404+00.00	TO	STA 405+00.00	100.00	3.0	3.0	1.50	300.00	300.00	2.78	5.69
STA 405+00.00	TO	STA 412+50.00	750.00	4.0	4.0	1.50	3,000.00	3,000.00	27.78	56.94
STA 412+50.00	TO	STA 413+50.00	100.00	3.0	3.0	1.50	300.00	300.00	2.78	5.69
STA 413+50.00	TO	STA 447+72.00	3,422.00	3.0	3.0	1.50	10,266.00	10,266.00	95.06	194.86
STA 447+72.00	TO	STA 447+82.00	10.00	3.0	3.0	1.50	30.00	30.00	0.28	0.57
TOTALS:							146,793.00	146,793.00	1,359.19	2,786.34

TEMPORARY RAMPS		
LOCATION	WIDTH ACROSS PAVEMENT	TEMPORARY RAMP
	(FOOT)	(SQ YD)
IL 104		
BEGINNING OF PROJECT	24.0	10.7
END OF PROJECT	24.0	10.7
TOTALS:		
	48.0	21.4

SHORT TERM PAVEMENT MARKING						
LOCATION			DISTANCE OF RUN	SHORT TERM PAVEMENT MARKING CENTERLINE (YELLOW, 4' DASH - 36' SKIP)	SHORT TERM PAVEMENT MARKING EDGELINE DIAGONALS, LT. & RT. (WHITE, 4' DASH @ 100' CTRS)	SHORT TERM PAVEMENT MARKING REMOVAL
			(FOOT)	(FOOT)	(FOOT)	(SQ FT)
IL 104						
STA 38+99.00	TO	STA 38+89.00	10.00	4.00	8.00	4.0
STA 38+89.00	TO	STA 0+00.00	3,889.00	388.90	312.00	233.6
STA. EQUATION: 0+00.00 (BACK) = 0+00.00 (AHEAD)						
STA 0+00.00	TO	STA 50+00.00	5,000.00	500.00	400.00	300.0
STA 50+00.00	TO	STA 100+00.00	5,000.00	500.00	400.00	300.0
STA 100+00.00	TO	STA 150+00.00	5,000.00	500.00	400.00	300.0
STA 150+00.00	TO	STA 200+00.00	5,000.00	500.00	400.00	300.0
STA 200+00.00	TO	STA 250+00.00	5,000.00	500.00	400.00	300.0
STA 250+00.00	TO	STA 300+00.00	5,000.00	500.00	400.00	300.0
STA 300+00.00	TO	STA 350+00.00	5,000.00	500.00	400.00	300.0
STA 350+00.00	TO	STA 400+00.00	5,000.00	500.00	400.00	300.0
STA 400+00.00	TO	STA 447+72.00	4,772.00	477.20	384.00	287.1
STA 447+72.00	TO	STA 447+82.00	10.00	4.00	8.00	4.0
TOTALS:			48,681.00	4,874.10	3,912.00	2,928.70
TOTALS FOR TWO APPLICATIONS:				9,748.2	7,824.00	

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PLOT DATE = Aug-19-2011 06:44:53AM		DATE - 05-9-11	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(139)RS-3, (140)RS-7	SANGAMON	13	9
CONTRACT NO. 72E14				
ILLINOIS FED. AID PROJECT				

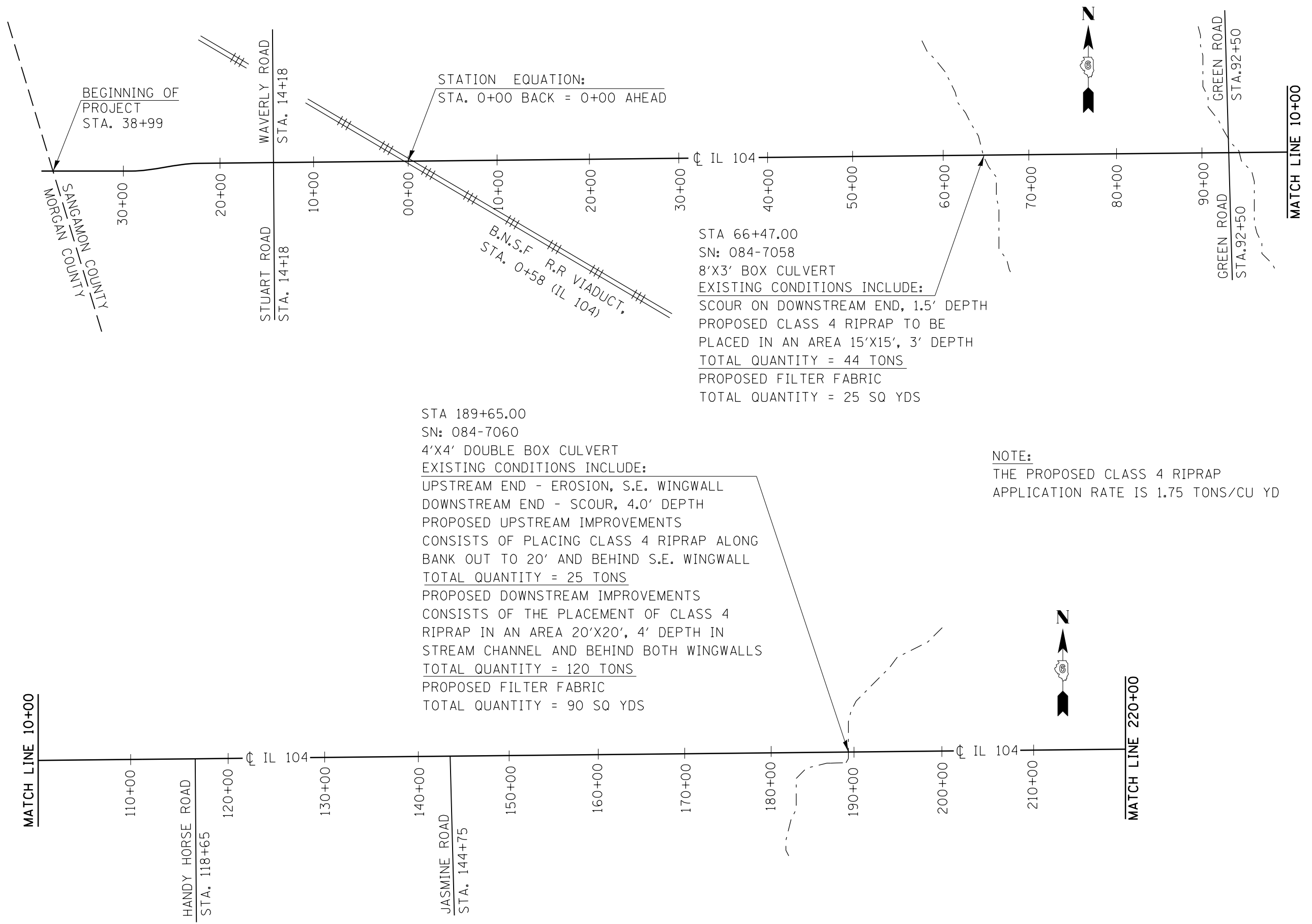
PAVEMENT MARKING SCHEDULE (PART 1)					
LOCATION			DISTANCE OF RUN	PAIN T PAVEMENT MARKING-LINE 5" CENTERLINE (YELLOW, 10' DASH, 30' SKIP)	PAIN T PAVEMENT MARKING-LINE 5" LT. & RT. EDGE LINES (WHITE, SOLID)
			(FOOT)	(FOOT)	(FOOT)
IL 104					
STA 38+99.00	TO	STA 38+89.00	10.0	2.5	20.0
STA 38+89.00	TO	STA 0+00.00	3,889.0	972.3	7,778.0
STA. EQUATION: 0+00.00 (BK.) = 0+00.00 (AHD.)					
STA 0+00.00	TO	STA 50+00.00	5,000.0	1,250.0	10,000.0
STA 50+00.00	TO	STA 100+00.00	5,000.0	1,250.0	10,000.0
STA 100+00.00	TO	STA 150+00.00	5,000.0	1,250.0	10,000.0
STA 150+00.00	TO	STA 200+00.00	5,000.0	1,250.0	10,000.0
STA 200+00.00	TO	STA 250+00.00	5,000.0	1,250.0	10,000.0
STA 250+00.00	TO	STA 300+00.00	5,000.0	1,250.0	10,000.0
STA 300+00.00	TO	STA 350+00.00	5,000.0	1,250.0	10,000.0
STA 350+00.00	TO	STA 400+00.00	5,000.0	1,250.0	10,000.0
STA 400+00.00	TO	STA 447+72.00	4,772.0	1,193.0	9,544.0
STA 447+72.00	TO	STA 447+82.00	10.0	2.5	20.0
TOTALS:			48,681.0	12,170.3	97,362.0

PAVEMENT MARKING SCHEDULE (PART 2)				
LOCATION			DISTANCE OF RUN	PAIN T PAVEMENT MARKING-LINE 5" NO PASSING ZONE LINE (YELLOW, SOLID)
			(FOOT)	(FOOT)
IL 104, WESTBOUND LANE				
STA 390+78.00	TO	STA 400+18.00	940.0	940.0
IL 104, EASTBOUND LANE				
STA 380+82.00	TO	STA 391+78.00	1,096.0	1,096.0
TOTALS:			2,036.0	2,036.0

RAISED REFLECTIVE PAVEMENT MARKERS (ALL REFLECTORS TO BE TWO-WAY AMBER)				
LOCATION			DISTANCE OF RUN	QUANTITY
			(FOOT)	(EACH)
IL 104				
STA 38+99.00	TO	STA 38+89.00	10.00	1
STA 38+89.00	TO	STA 0+00.00	3,889.00	50
STA. EQUATION: 0+00.00 (BK.) = 0+00.00 (AHD.)				
STA 0+00.00	TO	STA 50+00.00	5,000.00	62
STA 50+00.00	TO	STA 100+00.00	5,000.00	62
STA 100+00.00	TO	STA 150+00.00	5,000.00	62
STA 150+00.00	TO	STA 200+00.00	5,000.00	62
STA 200+00.00	TO	STA 250+00.00	5,000.00	62
STA 250+00.00	TO	STA 300+00.00	5,000.00	62
STA 300+00.00	TO	STA 350+00.00	5,000.00	62
STA 350+00.00	TO	STA 400+00.00	5,000.00	62
STA 400+00.00	TO	STA 447+72.00	4,772.00	61
STA 447+72.00	TO	STA 447+82.00	10.00	1
TOTALS:			48,681.00	609

STONE RIPRAP, CLASS 4A		
LOCATION	DESCRIPTION OF LOCATION *	STONE RIPRAP, CLASS 4A
		(TON)
IL 104		
STA 66+47.00	S.N. 084-7058, 8'X3' BOX CULVERT, DOWNSTREAM END	44
STA. 189+65.00	S.N. 084-7060, 4'X4' DOUBLE BOX CULVERT, UPSTREAM END	25
STA. 189+65.00	S.N. 084-7060, 4'X4' DOUBLE BOX CULVERT, DOWNSTREAM END	120
TOTALS:		189

\* - SEE LINE DIAGRAM SHEETS FOR SPECIFIC AREAS OF PROPOSED RIPRAP LAYOUT.



STATION EQUATION:  
STA. 0+00 BACK = 0+00 AHEAD

STA 66+47.00  
SN: 084-7058  
8'X3' BOX CULVERT  
EXISTING CONDITIONS INCLUDE:  
SCOUR ON DOWNSTREAM END, 1.5' DEPTH  
PROPOSED CLASS 4 RIPRAP TO BE  
PLACED IN AN AREA 15'X15', 3' DEPTH  
TOTAL QUANTITY = 44 TONS  
PROPOSED FILTER FABRIC  
TOTAL QUANTITY = 25 SQ YDS

STA 189+65.00  
SN: 084-7060  
4'X4' DOUBLE BOX CULVERT  
EXISTING CONDITIONS INCLUDE:  
UPSTREAM END - EROSION, S.E. WINGWALL  
DOWNSTREAM END - SCOUR, 4.0' DEPTH  
PROPOSED UPSTREAM IMPROVEMENTS  
CONSISTS OF PLACING CLASS 4 RIPRAP ALONG  
BANK OUT TO 20' AND BEHIND S.E. WINGWALL  
TOTAL QUANTITY = 25 TONS  
PROPOSED DOWNSTREAM IMPROVEMENTS  
CONSISTS OF THE PLACEMENT OF CLASS 4  
RIPRAP IN AN AREA 20'X20', 4' DEPTH IN  
STREAM CHANNEL AND BEHIND BOTH WINGWALLS  
TOTAL QUANTITY = 120 TONS  
PROPOSED FILTER FABRIC  
TOTAL QUANTITY = 90 SQ YDS

NOTE:  
THE PROPOSED CLASS 4 RIPRAP  
APPLICATION RATE IS 1.75 TONS/CU YD

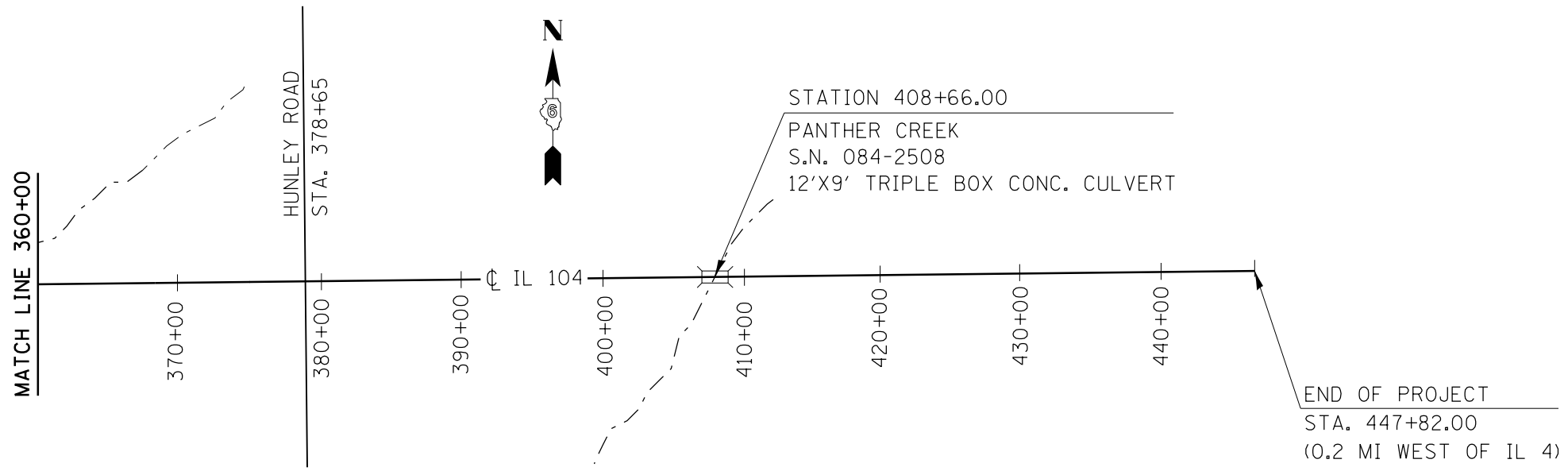
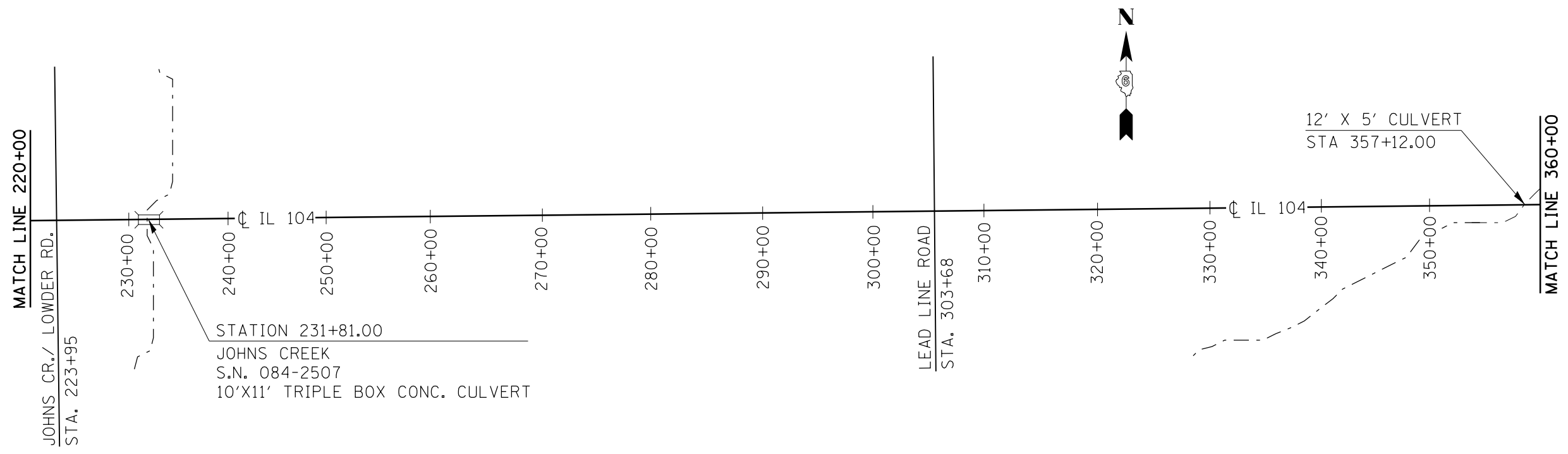
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

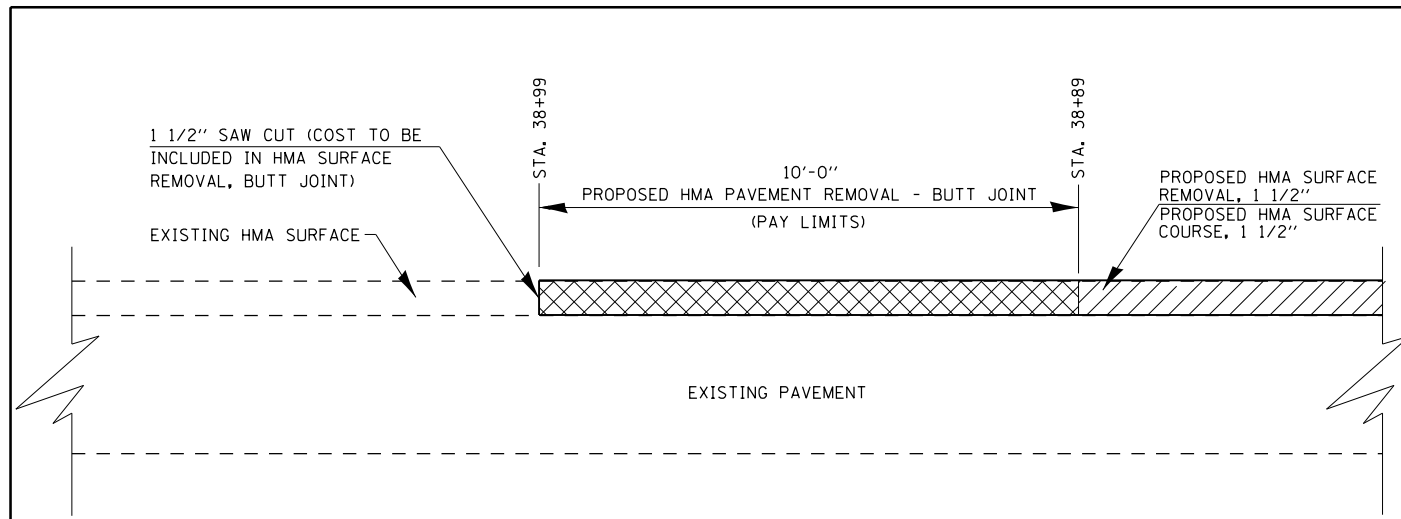
LINE DIAGRAM

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

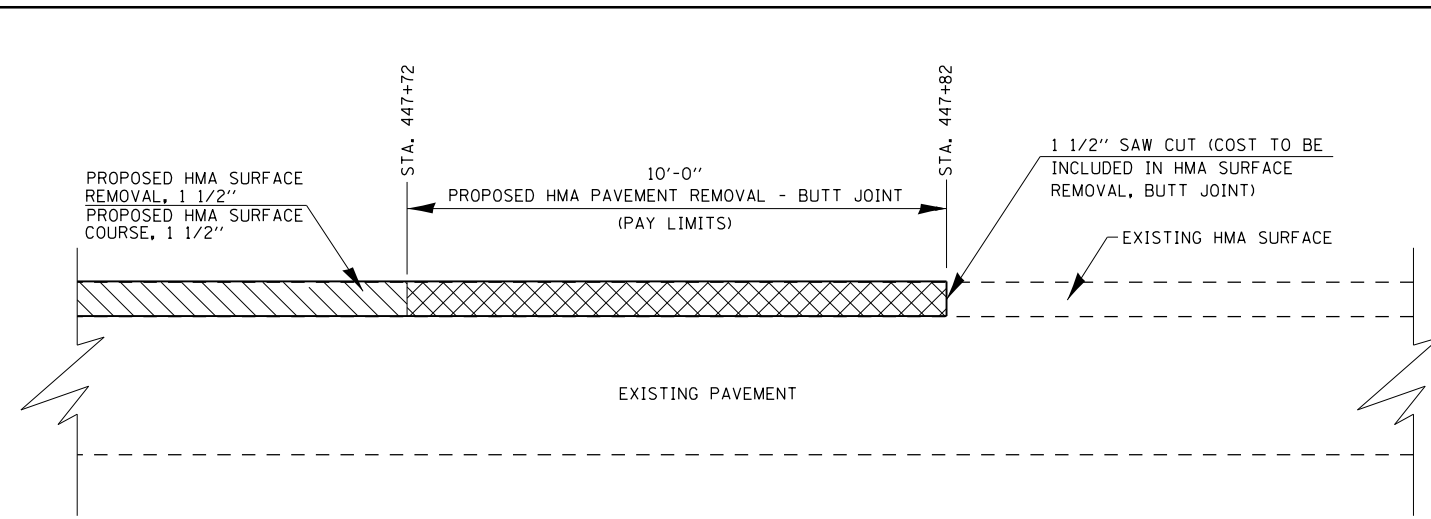
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(139)RS-3, (140)RS-7	SANGAMON	13	11
CONTRACT NO. 72E14				
ILLINOIS FED. AID PROJECT				



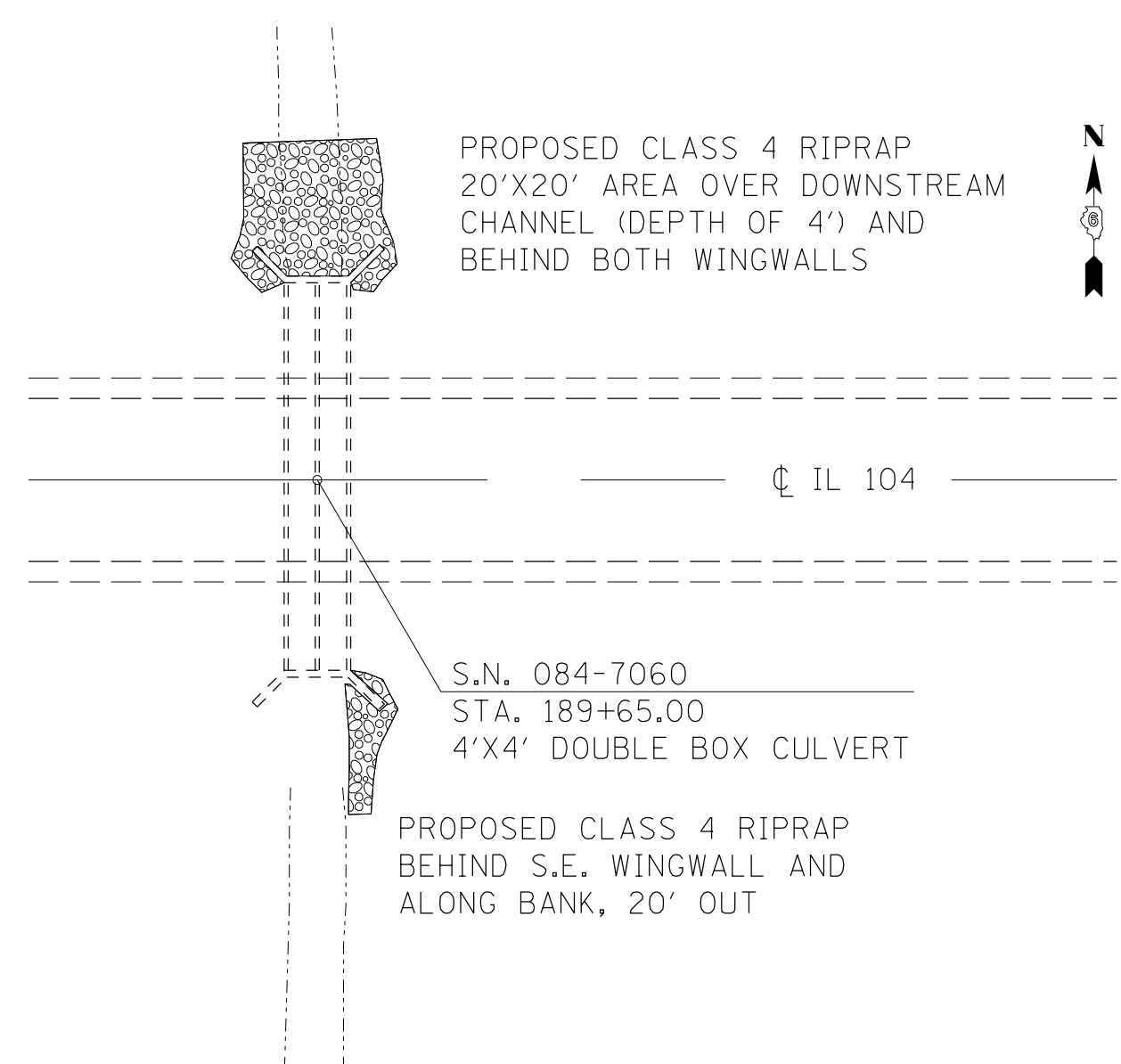
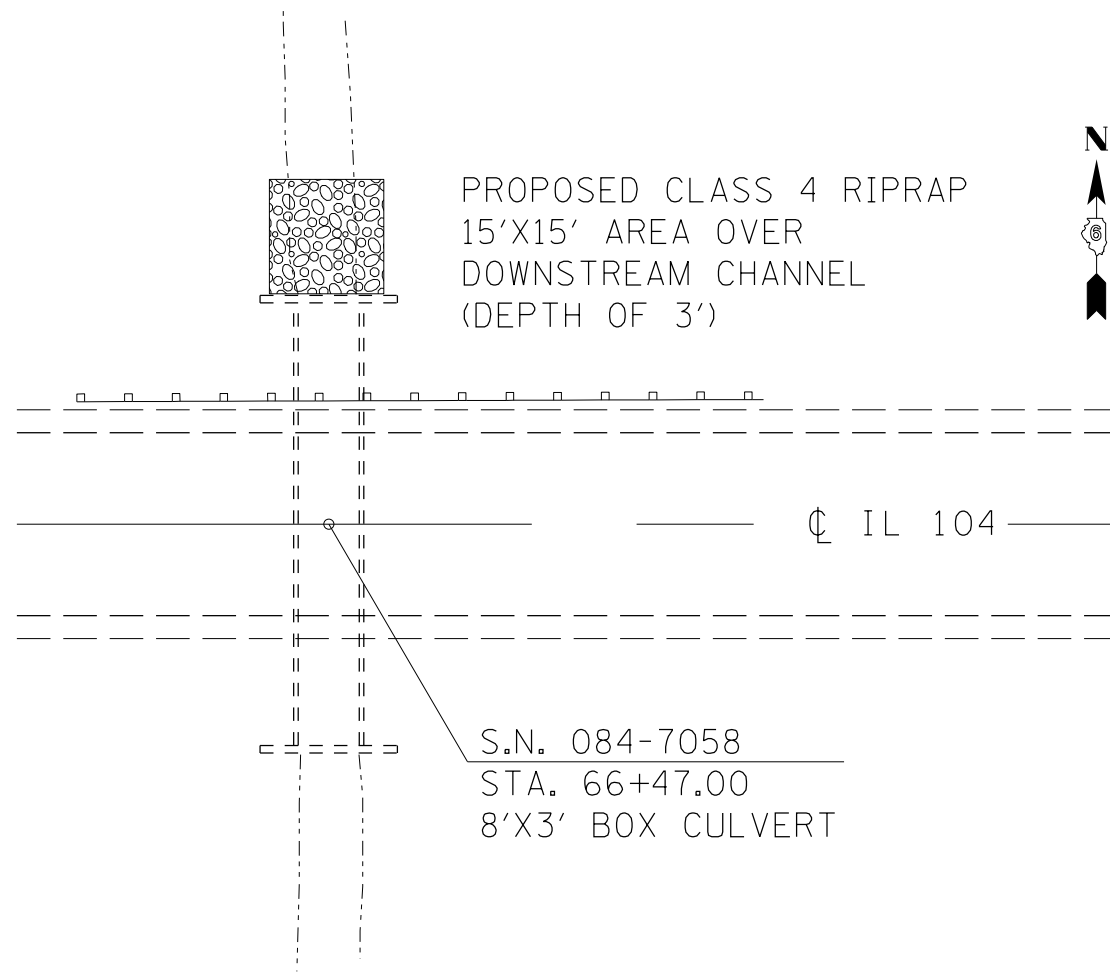
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	DRAWN - RTS	CHECKED -	REVISED -		753	(139)RS-3, (140)RS-7	SANGAMON	13	12			
PLOT SCALE = 16.0000' / in.	DATE - 05-19-11	REVISED -			SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 72E14				
PLOT DATE = Aug-19-2011 06:44:58AM					ILLINOIS FED. AID PROJECT							



**BEGINNING OF PROJECT**



**END OF PROJECT**



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT / RIPRAP DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(139)RS-3, (140)RS-7	SANGAMON	13	13
CONTRACT NO. 72E14				
ILLINOIS FED. AID PROJECT				