

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137 RS-6	MONTGOMERY	16	1
		ILLINOIS	CONTRACT NO. 72E29	

D-96-057-11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
 PROJECT ACF-0714(019)
FAP ROUTE 714 (IL-48)
SECTION 137 RS-6
RESURFACING
MONTGOMERY COUNTY
C-96-057-11

INDEX OF SHEETS

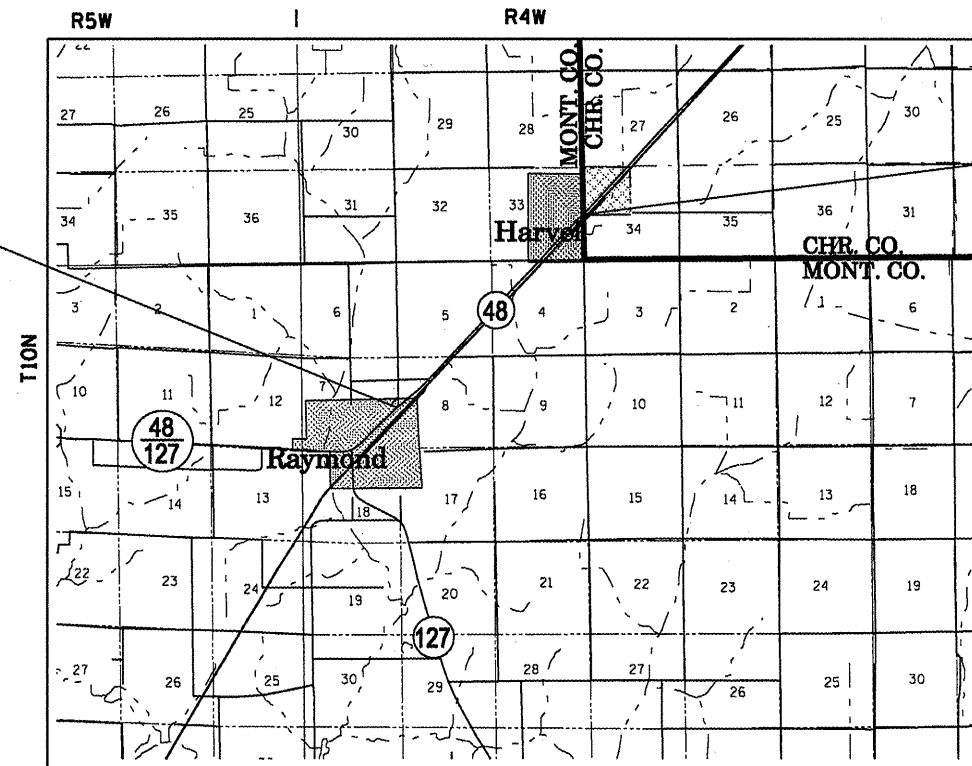
- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-6 SCHEDULE OF QUANTITIES
- 7 BUTT-JOINT DETAILS
- 8-9 ENTRANCE AND SIDEROAD DETAILS
- 10 SUPERELEVATION TRANSITION
DETAIL FOR TWO LANE HIGHWAY
- 11-16 PLAN SHEETS

STANDARDS

000001-06	701301-04
280001-05	701306-03
442201-03	701311-03
701001-02	701501-06
701006-03	701901-01
701201-04	780001-02
	781001-03

IMPROVEMENT BEGINS
STA. 42+15.00

IMPROVEMENT ENDS
STA. 191+50.00



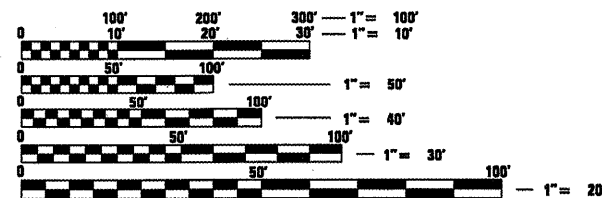
LOCATION MAP

GROSS LENGTH = 14,935 FT. = 2.829 MILE
NET LENGTH = 14,935 FT. = 2.829 MILE

TRAFFIC DATA

ADT = 2328 (2009)
PV = 77.2%
SU = 6.2%
MU = 16.6%

HIGHWAY CLASSIFICATION - MINOR ARTERIAL



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: JEFF MYERS 217-782-4761
TEAM LEADER: KEN ANDERSON 217-524-7546

CONTRACT NO. 72E29

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 SUBMITTED *March 24 20 11*
Regan Z. Drosick
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 13 20 11
Scott E. Stitt P.E./a
 acting ENGINEER OF DESIGN AND ENVIRONMENT
May 13 20 11
Christine M. Reed/a
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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 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. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL 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. NO COMMITMENTS MADE.

DISTRICT SIX	
EXAMINED <u>March 21</u>	20 <u>11</u>
<i>Chris Wall</i>	
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 18</u>	20 <u>11</u>
<i>Ferry F. [Signature]</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>MARCH 11</u>	20 <u>11</u>
<i>John C. W. [Signature]</i>	
PROGRAM DEVELOPMENT ENGINEER	

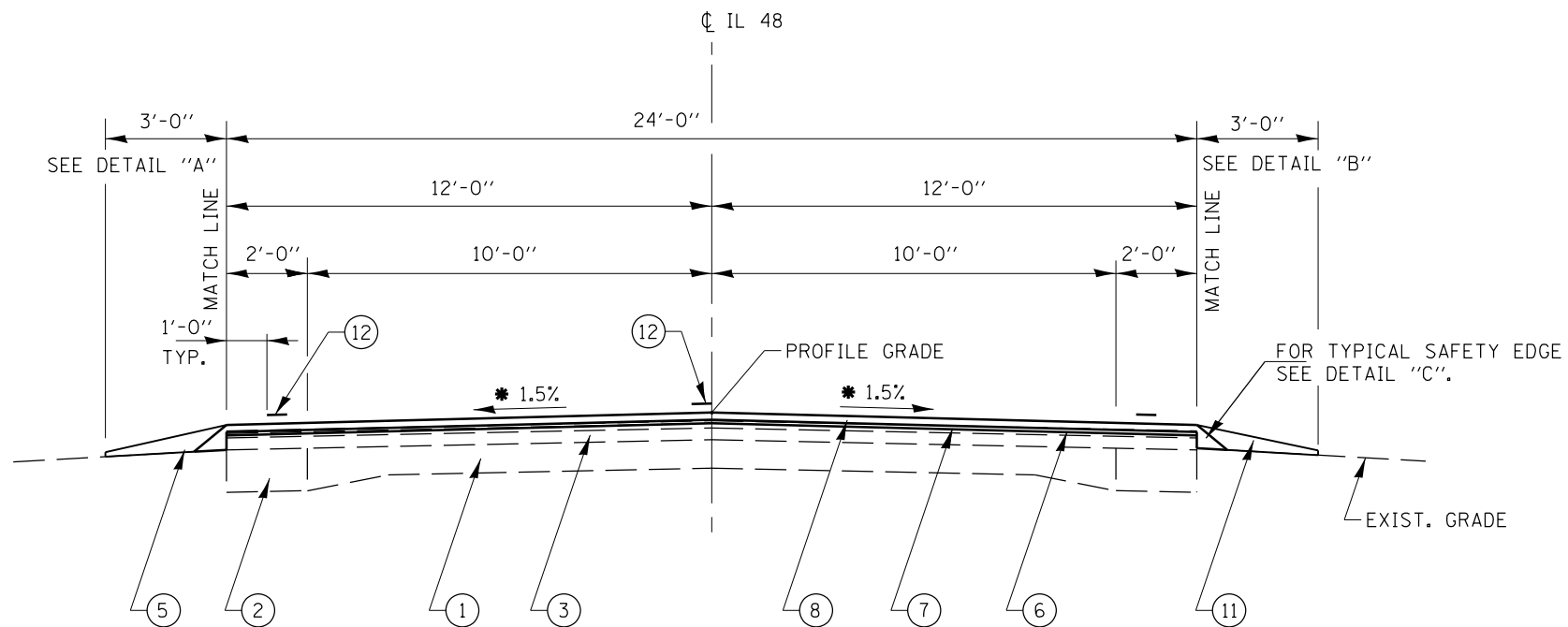
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	LEVEL BINDER (MACH METHOD)	HMA SURFACE COURSE	PATCHING	INCIDENTAL HMA SURFACE	SHOULDER
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS:	4.0% @ N 70	4.0% @ N 70	4.0% @ N 70	4.0% @ N 50	2.0% @ N 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 9.5 OR IL 12.5	IL 19.0	IL 19.5 OR IL 12.5	BAM
FRICITION AGGREGATE:	N/A	MIX "C"	N/A	MIX "C"	N/A

ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNITS	TOTAL QUANTITY	CONSTRUCTION CODE TYPE	
				80% FEDERAL 20% STATE 0005	
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	10	10	
35800100	PREPARATION OF BASE	SQ YD	1,214	1,214	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	79	79	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	18	18	
40600300	AGGREGATE (PRIME COAT)	TON	80	80	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1,681	1,681	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	266	266	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT	SQ YD	200	200	
40600990	TEMPORARY RAMP	SQ YD	429	429	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3,802	3,802	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	546	546	
44004250	PAVED SHOULDER REMOVAL	SQ YD	251	251	
44200164	PAVEMENT PATCHING, TYPE I, 14 INCH	SQ YD	35	35	
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	178	178	
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	36	36	
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	290	290	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,709	1,709	

ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNITS	TOTAL QUANTITY	CONSTRUCTION CODE TYPE	
				80% FEDERAL 20% STATE 0005	
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	428	428	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3	3	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,514	4,514	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	33,052	33,052	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	497	497	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	33,052	33,052	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	188	188	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	188	188	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	39,827	39,827	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

* SPECIALTY ITEM

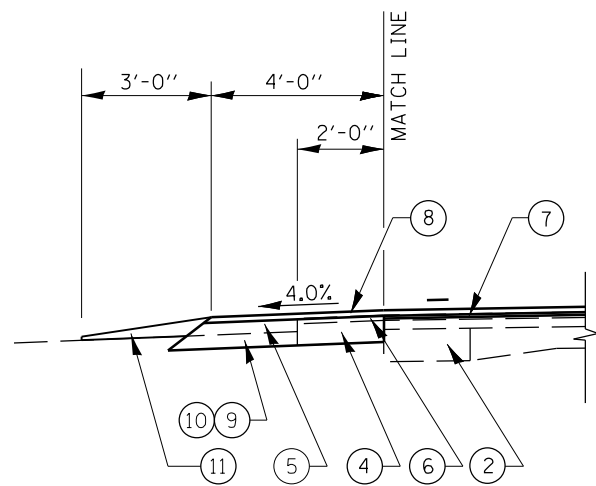


TYPICAL SECTION

STA. 42+15.00 TO STA. 191+50.00

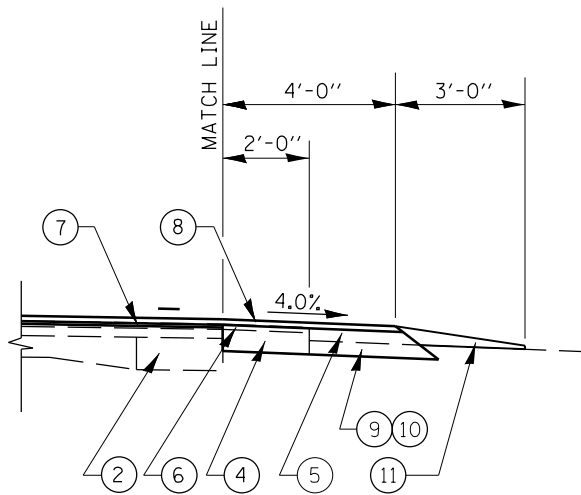
*** NOTE:**

FOR LIMITS OF SUPERELEVATION
SEE SUPERELEVATION TRANSITION DETAIL
FOR TWO LANE HIGHWAY



DETAIL "A"

LT. STA. 186+14.00 TO LT. STA. 191+50.00



DETAIL "B"

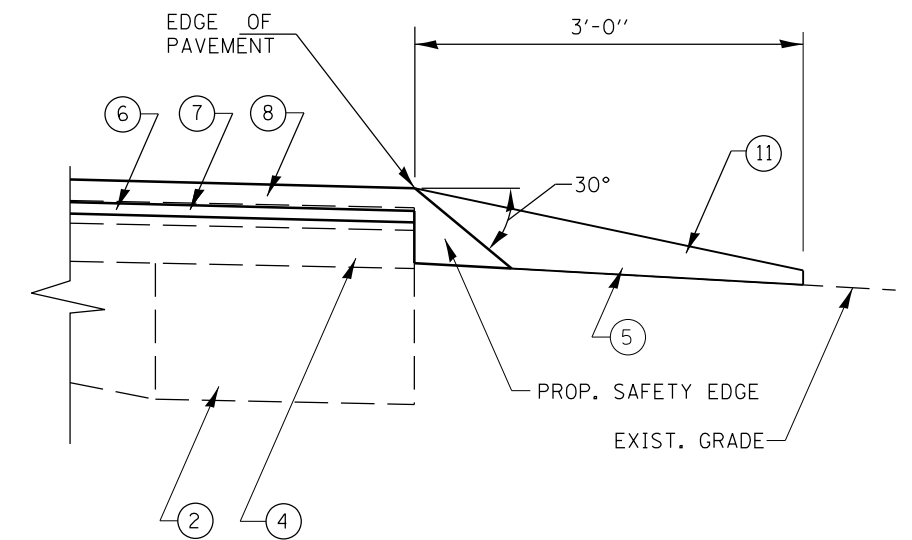
RT. STA. 185+57.00 TO RT. STA. 191+50.00

**CONSTRUCTION SEQUENCE
FOR HMA SHOULDERS 6 1/2"**

1. MILL EXISTING PAVEMENT.
2. PLACE LEVELING BINDER ON MILLED PAVEMENT TO REDUCE MILLED SURFACE EXPOSURE.
3. CONSTRUCT 6 1/2" HMA SHOULDERS
4. FINISH WITH HMA SURFACE COURSE (1 1/2")

LEGEND

- ① EXIST. 9-6-9 PCC PAVEMENT
- ② EXIST. PCC BASE COURSE WIDENING 9"
- ③ EXIST. HMA OVERLAY (4")
- ④ EXIST. HMA SHOULDER 6" WITH HMA OVERLAY TO BE REMOVED
- ⑤ EXIST. AGGREGATE SHOULDER
- ⑥ PROP. HMA SURFACE REMOVAL (VARIABLE DEPTH)
- ⑦ PROP. LEVELING BINDER (MACHINE METHOD) N70 (3/4")
- ⑧ PROP. HMA SURFACE COURSE, MIX "C" N70 (1 1/2")
- ⑨ PROP. EXCAVATING AND GRADING EXISTING SHOULDERS
- ⑩ PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/2"
- ⑪ PROP. AGGREGATE SHOULDER, TYPE B
- ⑫ PROP. PAINT PAVEMENT MARKING 5"



SAFETY EDGE NOTES:

1. THE AREA FOR THE SAFETY EDGE IS ESTIMATED AT 0.20 SQ. FT..
2. QUANTITY FOR SAFETY EDGE HAS BEEN INCLUDED IN THE QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

DETAIL "C"

PROPOSED SAFETY EDGE

PROPOSED

NOTES:

1. MILL 1/2" MIN. AT CL AND MAINTAIN 1.5% SLOPE ON TANGENT SECTIONS.
2. MILL 1/2" AS REQUIRED TO MAINTAIN SUPERELEVATED SECTION
3. IF SUPERELEVATION EXIST THE SHOULDER SLOPES ON THE HIGH SIDE MAXIMUM BREAK - OVER SHOULD BE NO GREATER THAN 8% AND ON THE LOW SIDE SAME AS S.E. IF OVER 4%

FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ei:\pwork\pwork\sparksgw\0255647\0672E29-sht-typical.dgn	BE29-sht-typical.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	714	137RS-6	MONTGOMERY	16	4
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -						CONTRACT NO. 72E29						
PLOT DATE = Mar-24-2011 09:09:44AM	DATE -	REVISED -	REVISED -						ILLINOIS FED. AID PROJECT						

TEMPORARY RAMPS					
LOCATION STATION	TO STATION	DESCRIPTION	WIDTH (FT)	AREA (SQ YD)	
FAP 714 (IL 48)					
STA. 41+80.00	TO STA. 42+15.00	BUTT-JOINT	24.0	13.4	
STA. 191+50.00	TO STA. 191+85.00	BUTT-JOINT	28.0	15.6	
SIDE ROADS					
STA. 64+63.50	LT.	OAK AVE.	60.0	33.3	
STA. 82+85.63	RT.	CR 2300 N	80.0	44.4	
STA. 155+25.25	LT.	24 TH. AVE.	80.0	44.4	
STA. 155+34.00	RT.	24 TH. AVE.	80.0	44.4	
STA. 171+63.03	LT.	HOLMER ST.	80.0	44.4	
STA. 178+59.06	LT.	OAK ST.	50.0	27.9	
STA. 182+15.58	LT.	FARLEY ST.	75	41.8	
STA. 185+82.10	LT.	CEDER ST.	55	30.6	
STA. 189+39.60	RT.	MAIN ST.	80	44.4	
STA. 189+49.91	LT.	MAIN ST.	80	44.4	
				TOTAL	429.0

HOT-MIX ASPHALT SHOULDER SCHEDULE									
LOCATION STATION	TO STATION	LENGTH (FT)	WIDTH (FT)	PAVED SHOULDER REMOVAL (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 6 1/2" (SQ YD)	HMA SURFACE COURSE MIX "C" N70 (1 1/2") (TON)	BIT. MAT. PRIME CT. (TON)	EXCAVATING & GRADING EXIST SHOULDERS (UNIT)	
FAP 714 (IL 48)									
STA. 186+14.00	LT TO STA. 191+50.00	LT	536.00	4.00	119.2	195.0	16.4	0.1	4.5
STA. 185+57.00	RT TO STA. 191+50.00	RT.	593.00	4.00	131.8	233.0	19.6	0.1	5.5
				TOTALS	251.0	428.0	36.0	0.2	10.0

SHORT-TERM PAVEMENT MARKING					
LOCATION STATION TO STATION	LENGTH (FT)	SPACING	NUMBER OF APPLICATIONS	SHORT-TERM PAVE MARK (FT)	WORK ZONE PAVE MARK REM (SQ FT)
IL (48)					
STA. 41+80.00 TO STA. 191+85.00	15005.0	4/40'	3	4514.0	497
				TOTAL	4514.0

AGGREGATE SHOULDERS TYPE B					
LOCATION STATION TO STATION	LENGTH (FT)	WIDTH (FT)		(TONS)	
IL (48)					
LEFT					
STA. 41+80.00 TO STA. 42+15.00	35.00	3'		2.0	
STA. 42+15.00 TO STA. 186+14.00	14399.00	3'		820.0	
STA. 186+14.00 TO STA. 191+50.00	536.00	3'		30.5	
STA. 191+50.00 TO STA. 191+85.00	35.00	3'		2.0	
RIGHT					
STA. 41+80.00 TO STA. 42+15.00	35.00	3'		2.0	
STA. 42+15.00 TO STA. 185+57.00	14342.00	3'		816.7	
STA. 185+57.00 TO STA. 191+50.00	593.00	3'		33.8	
STA. 191+50.00 TO STA. 191+85.00	35.00	3'		2.0	
				TOTAL	1709.0

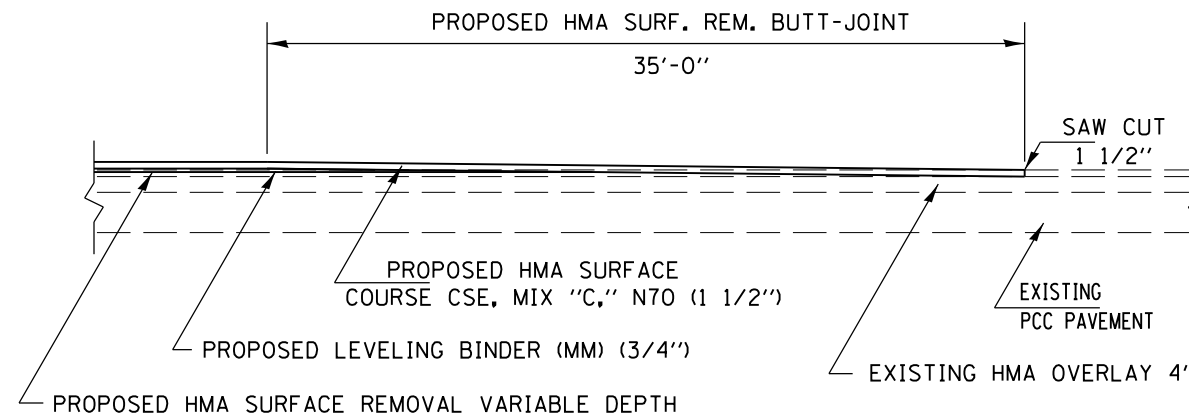
RAISED REFLECTIVE PAVEMENT MARKERS SCHEDULE				
LOCATION STATION TO STATION	LENGTH (FT)	TWO-WAY AMBER (EACH)	REMOVAL (EACH)	
IL (48)				
STA. 42+15.00 TO STA. 191+50.00	14935.0	188	188	
		TOTAL	188	188

PAVEMENT MARKING			
LOCATION STATION TO STATION	LENGTH (FT)	PAINT PAVEMENT MARKING - LINE 5"	
		(FT)	(FT)
IL (48)			
		EDGE LINE	SKIP-DASH
		WHITE	YELLOW
STA. 41+80.00 TO STA. 191+85.00	15005.0		3761
RIGHT			
STA. 41+80.00 TO STA. 191+85.00	15005.0	14818.0	
LEFT			
STA. 41+80.00 TO STA. 191+85.00	15005.0	14473.0	
		SUB-TOTAL	3,761.0
		TOTAL	33,052.0

NOTE: QUANTITY FOR TEMPORARY PAVEMENT MARKING-LINE 5"
SAME AS PAINT PAVEMENT MARKING-LINE 5"

REVISED 3/28/2011

FILE NAME =	USER NAME = perereve	DESIGNED -	REVISED - 3/28/2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pudat\perereve\08255647\062829-ahh-schedule.dgn	DRAWN -	REVISED -	REVISED -					714	137RS-6	MONTGOMERY	16	6
PLOT SCALE = 48.0000 "/ IN.	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72E29				
PLOT DATE = Mar-28-2011 08:58:42AM	DATE -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				



35' BUTT JOINT DETAIL

STA. 41+80.00 TO STA. 42+15.00
 STA. 191+50.00 TO STA. 191+85.00

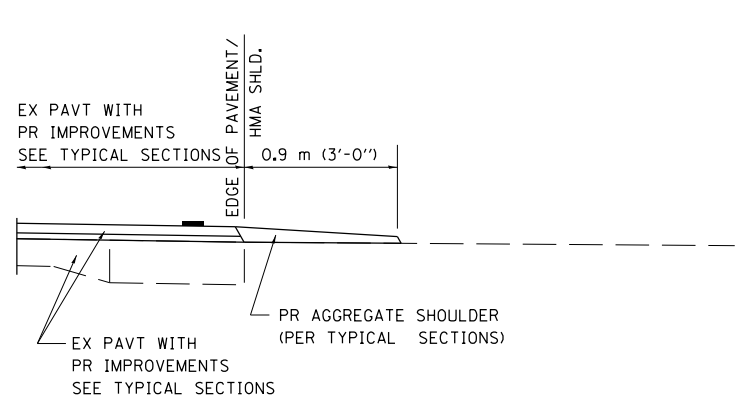
FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
ct:\pw\work\p\idot\sparksgw\0255647\0672E29-sht-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = Mar-24-2011 09:10:11AM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

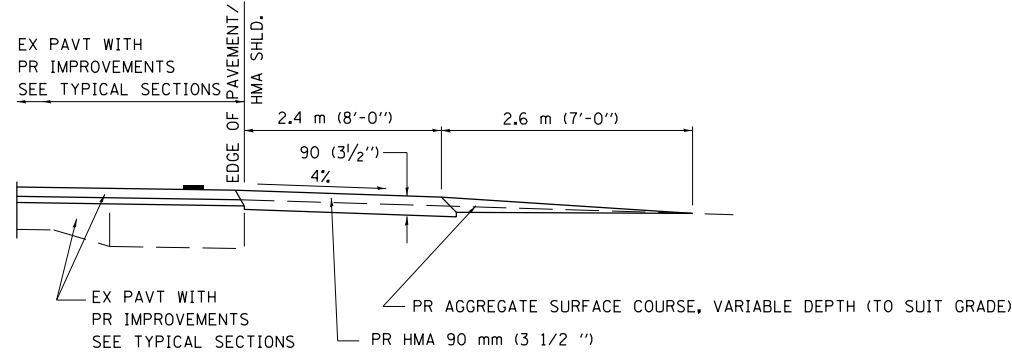
BUTT JOINT DETAILS

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

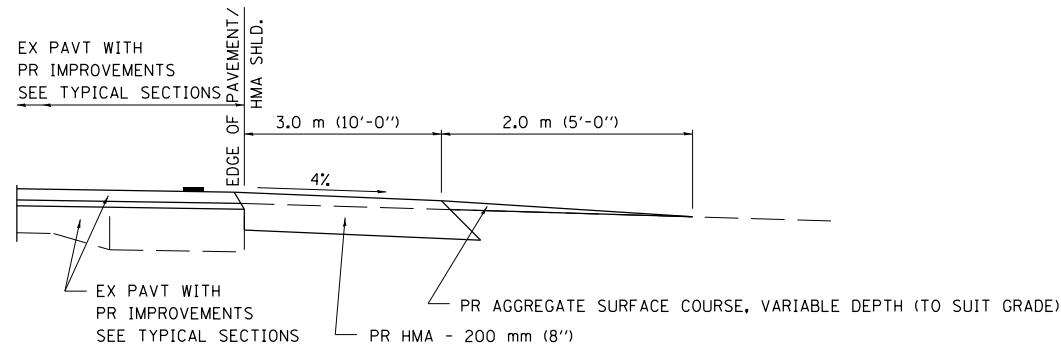
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137 RS-6	MONTGOMERY	16	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E29	



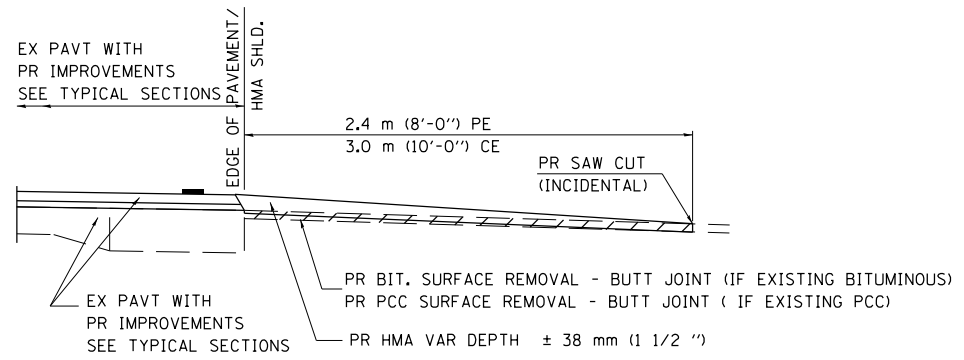
SECTION A-A FOR EX EARTH/ AGGREGATE FE



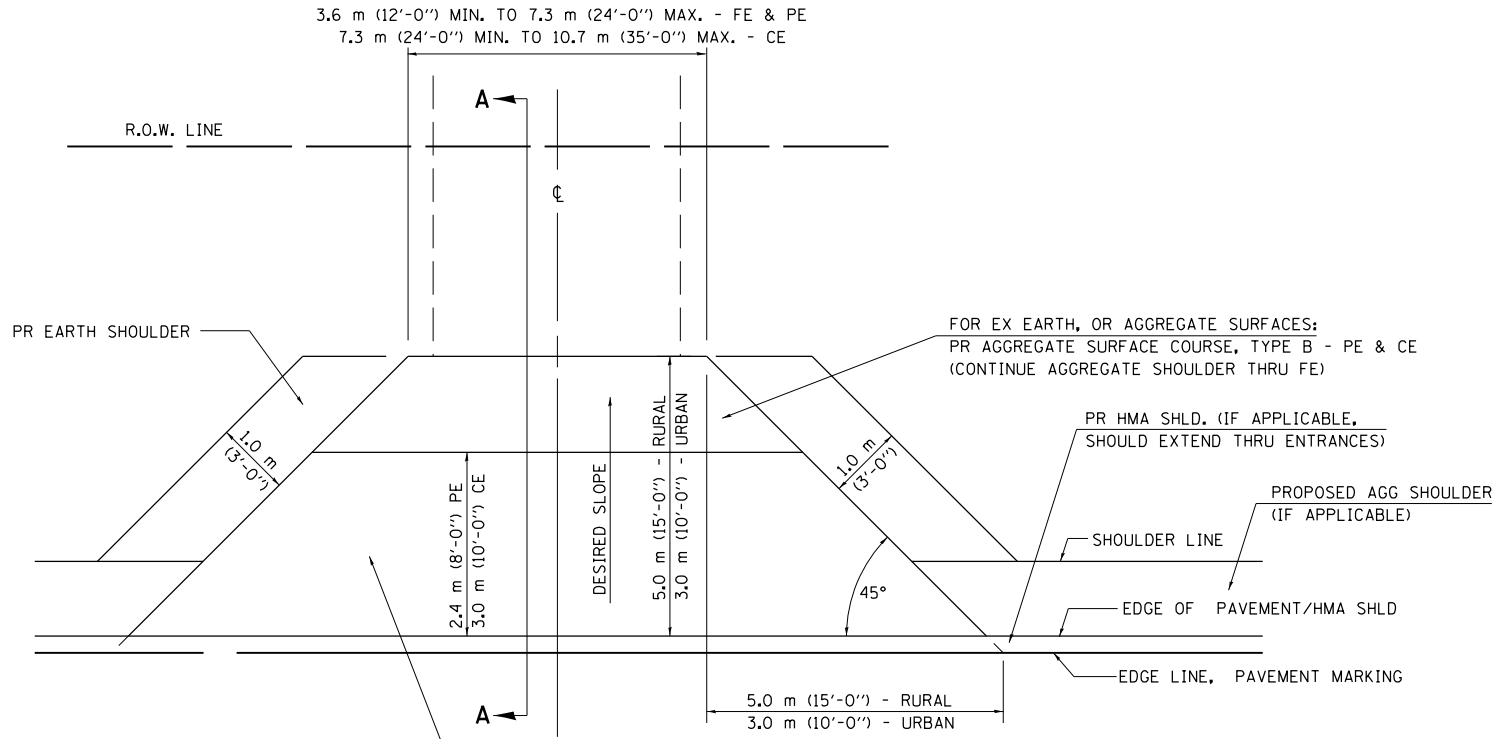
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX BITUMINOUS/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR BIT SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR BITUMINOUS CONCRETE 90 mm (3 1/2") - PE
 PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

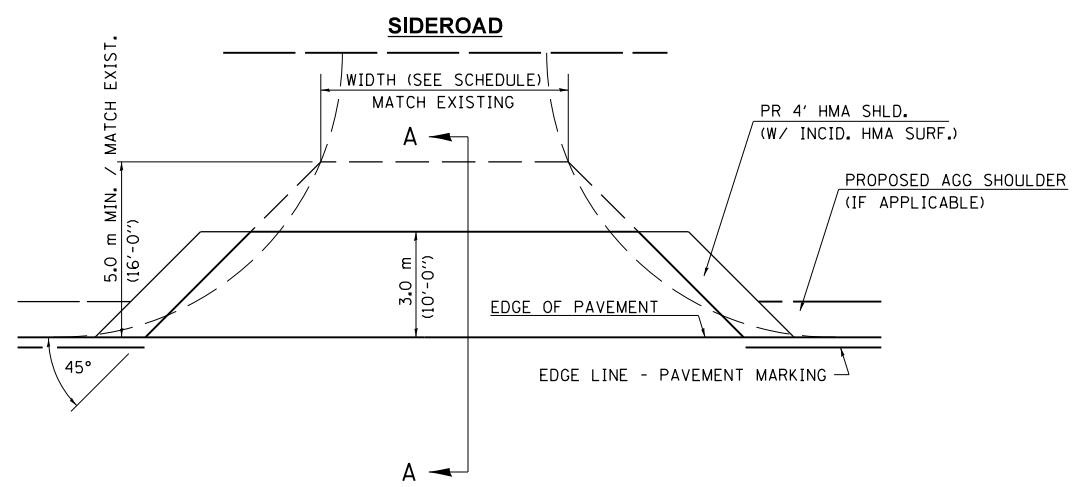
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

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



FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
c:\pwwork\pwwork\sparksgw\10255647\06729-sht-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = Mar-24-2011 09:10:11AM		DATE -	REVISED -

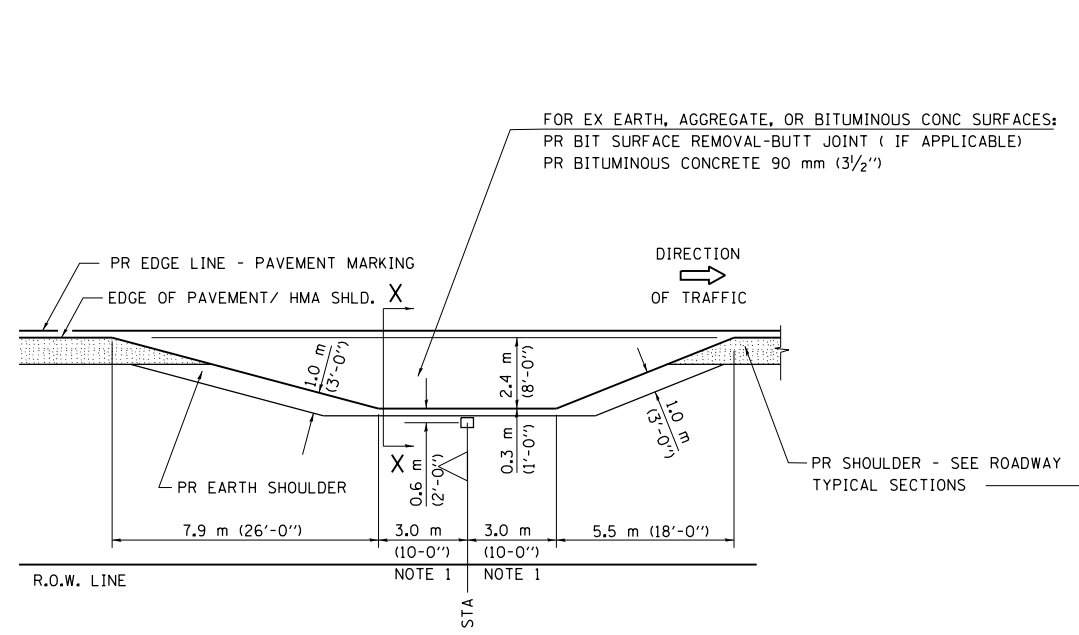
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

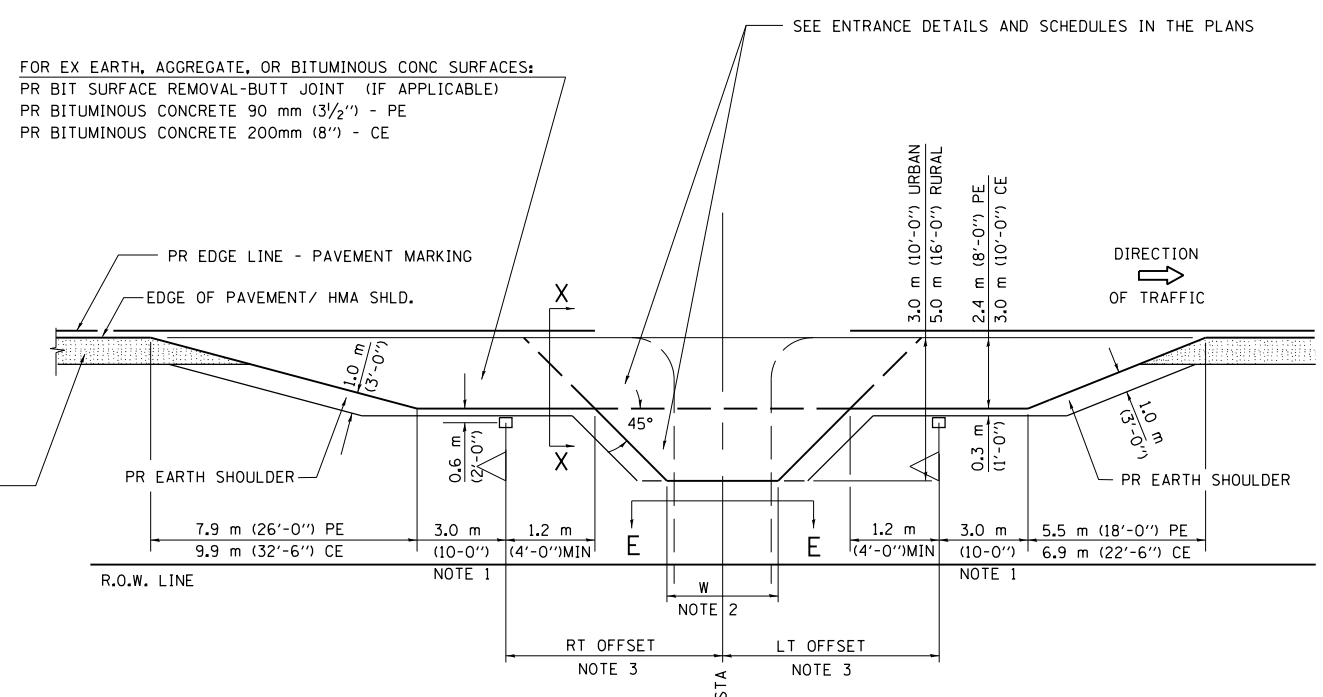
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137 RS-6	MONTGOMERY	16	8
CONTRACT NO. 72E29				
ILLINOIS FED. AID PROJECT				

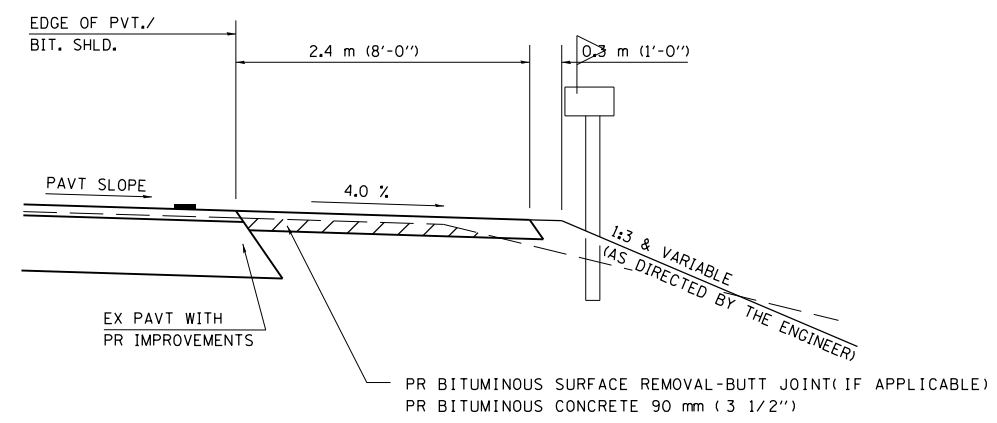
DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

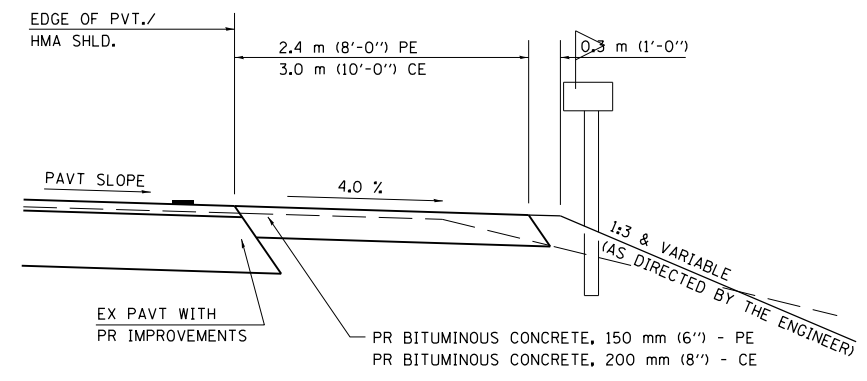


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



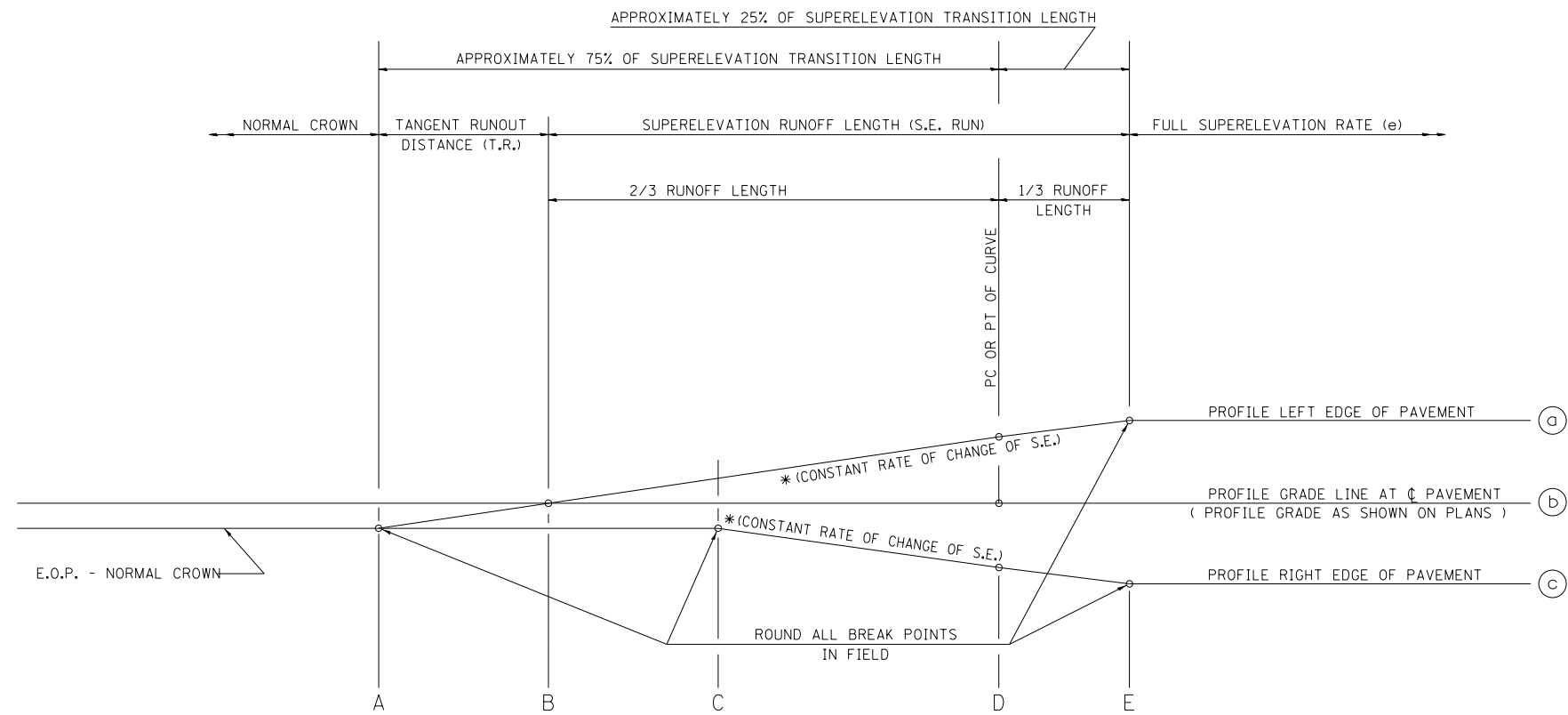
**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX BITUMINOUS CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

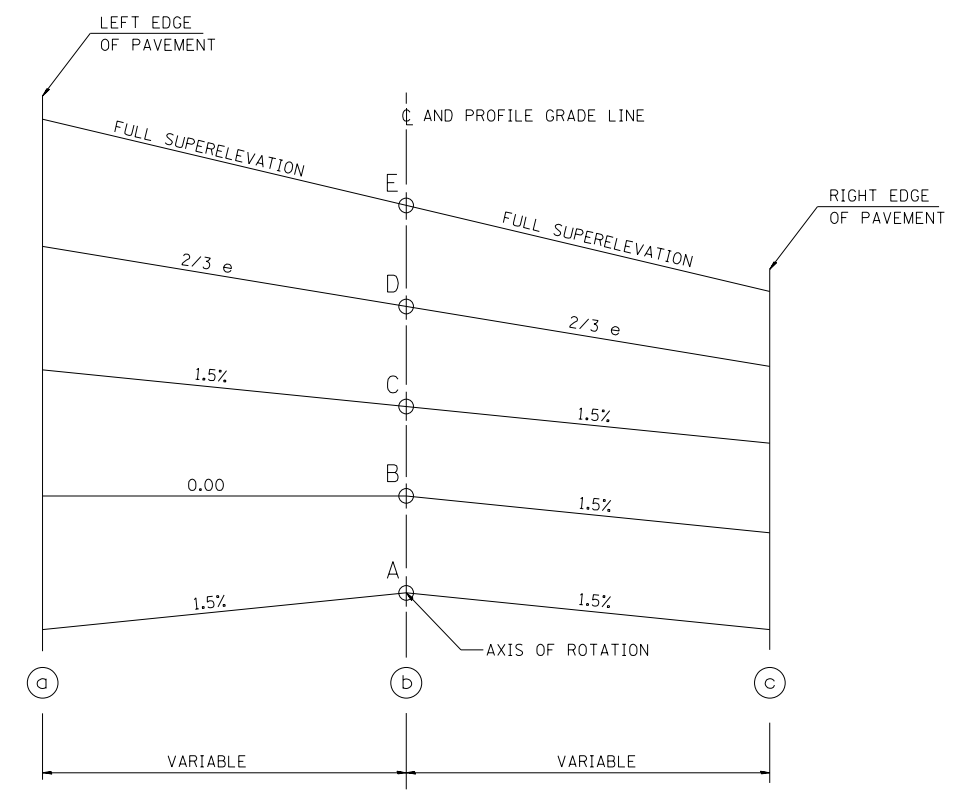
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			714	137 RS-6	MONTGOMERY	16	9	
		CHECKED -	REVISED -			CONTRACT NO. 72E29					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 40.0000 ' / in.		PLOT DATE = Mar-24-2011 09:10:12AM		SCALE:		SHEET NO. OF SHEETS STA. TO STA.					



TYPICAL PROFILE - S.E. TRANSITION

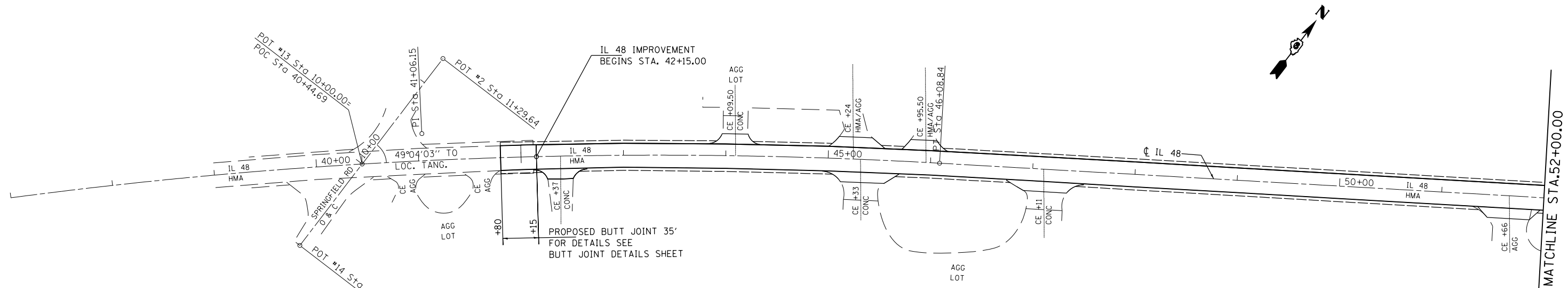
SEE PLANS FOR CURVE DATA INFORMATION
 CURVE DATA
 P.I. STA=
 Δ =
 R=
 T=
 L=
 E=
 e= SUPERELEVATION RATE IN PERCENT
 T.R.= TANGENT RUNOUT DISTANCE
 S.E. RUN= SUPERELEVATION RUNOFF LENGTH
 P.C. STA=
 P.T. STA=



TYPICAL CROSS SECTION - S.E. TRANSITION

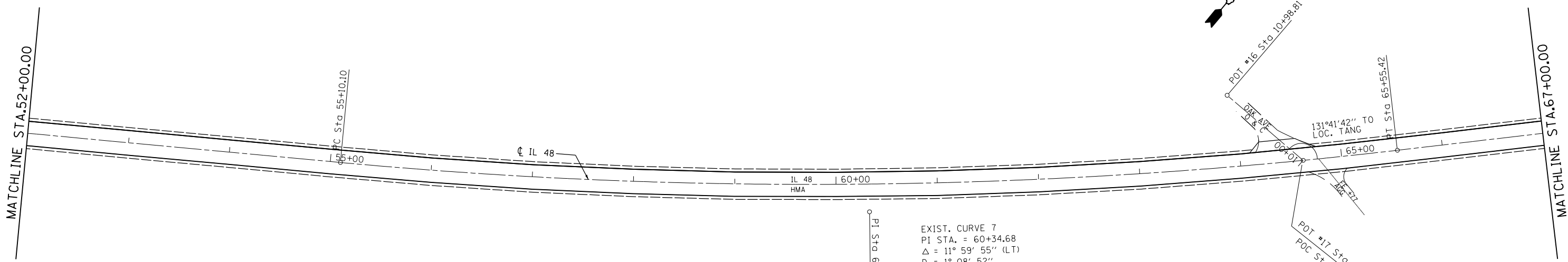
TABLE OF SUPERELEVATION BREAK POINT LOCATIONS							
CURVE NO.	e	A	B	C	D	E	TRANSITION
3	1.70%	SEE	NOTE	BELOW			
		46+76.24	46+37.84	45+99.44	46+08.84	45+94.34	TRANS. OUT
7	1.70%	54+42.70	54+81.10	55+19.50	55+10.10	55+24.60	TRANS. IN
		66+22.82	65+84.42	65+46.02	65+55.42	65+40.92	TRANS. OUT

NOTE: CURVE 3 TRANSITION IN IS OUTSIDE OF PROJECT LIMITS, MATCH EXISTING SUPERELEVATION.



EXIST. CURVE 3
 PI STA. = 41+06.15
 $\Delta = 11^\circ 59' 14''$ (RT)
 $D = 1^\circ 11' 17''$
 $R = 4,823.06'$
 $T = 506.38'$
 $L = 1,009.06'$
 $E = 26.51'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 35+99.77$
 $P.T. \text{ STA.} = 46+08.84$

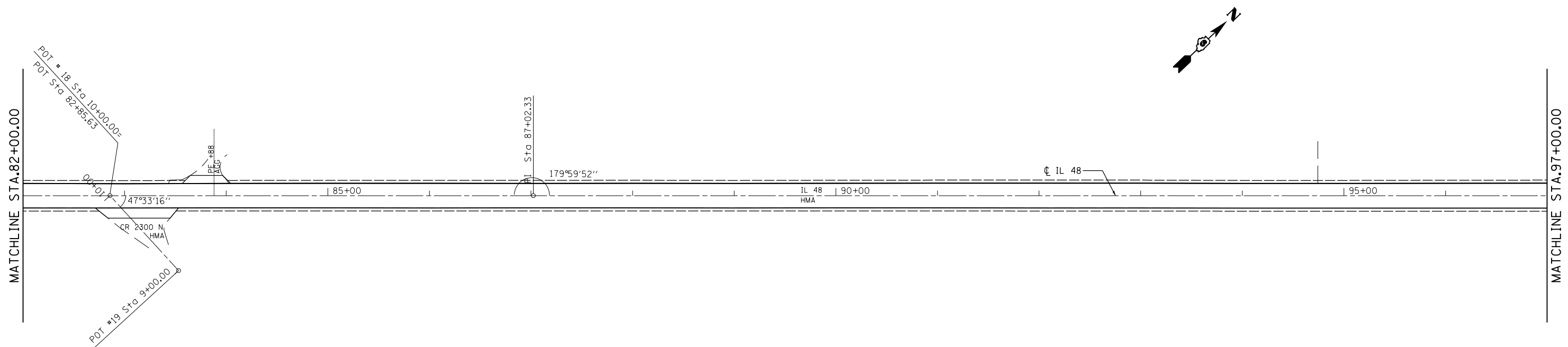
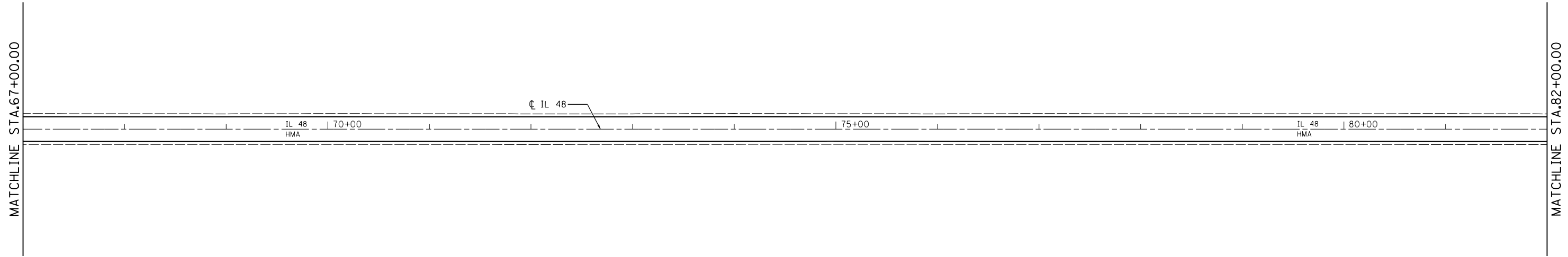
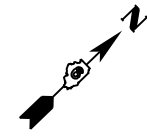
NOTE:
 SEE SUPERELEVATION TRANSITION
 DETAIL FOR TWO LANE HIGHWAY SHEET
 FOR SUPERELEVATION TRANSITION DATA



EXIST. CURVE 7
 PI STA. = 60+34.68
 $\Delta = 11^\circ 59' 55''$ (LT)
 $D = 1^\circ 08' 52''$
 $R = 4,991.63'$
 $T = 524.58'$
 $L = 1,045.32'$
 $E = 27.49'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 55+10.10$
 $P.T. \text{ STA.} = 65+55.42$

NOTE:
 SEE SUPERELEVATION TRANSITION
 DETAIL FOR TWO LANE HIGHWAY SHEET
 FOR SUPERELEVATION TRANSITION DATA

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\sparksgw\10255647\0672E29-sht-plan1.dgn		DRAWN -	REVISED -		714	137RS-6	MONTGOMERY	16	11				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72E29								
PLOT DATE = Mar-24-2011 09:10:18AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

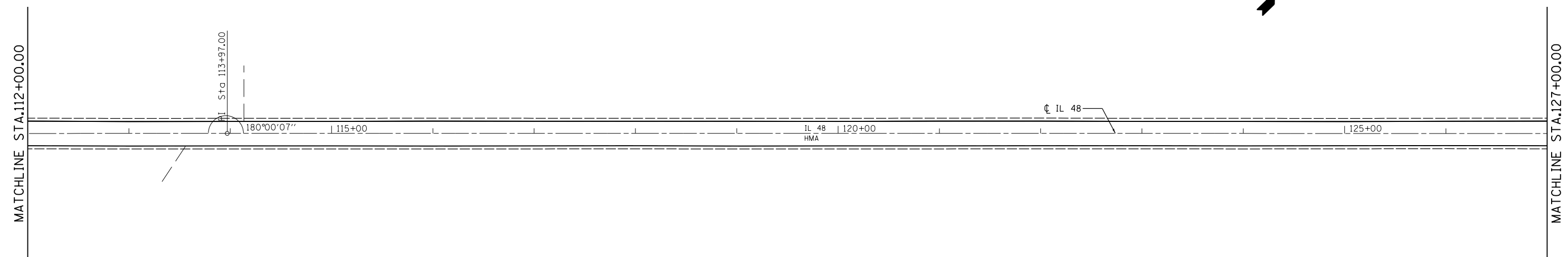
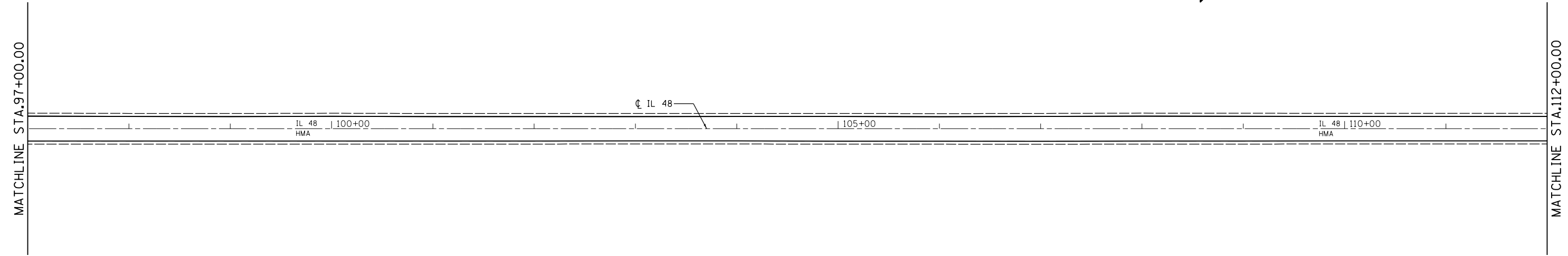
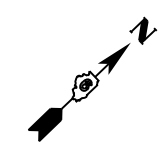


FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
ei:\pw\work\p\idot\sparksgw\0255647\06729\sh-t-plan1.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Mar-24-2011 09:10:19AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137RS-6	MONTGOMERY	16	12
CONTRACT NO.			72E29	
ILLINOIS FED. AID PROJECT				

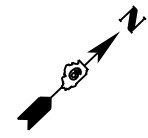


FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
c:\pw\work\p\dot\sparksgw\0255647\0672E29-sht-plan1.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Mar-24-2011 09:10:20AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

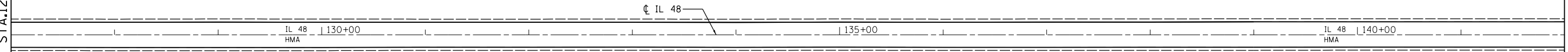
PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137RS-6	MONTGOMERY	16	13
CONTRACT NO.			72E29	
ILLINOIS FED. AID PROJECT				



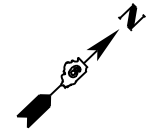
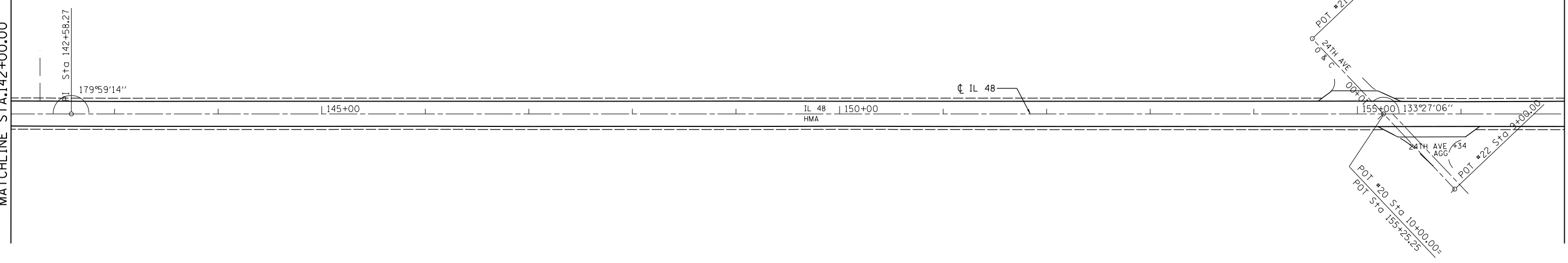
MATCHLINE STA.127+00.00

MATCHLINE STA.142+00.00



MATCHLINE STA.142+00.00

MATCHLINE STA.157+00.00



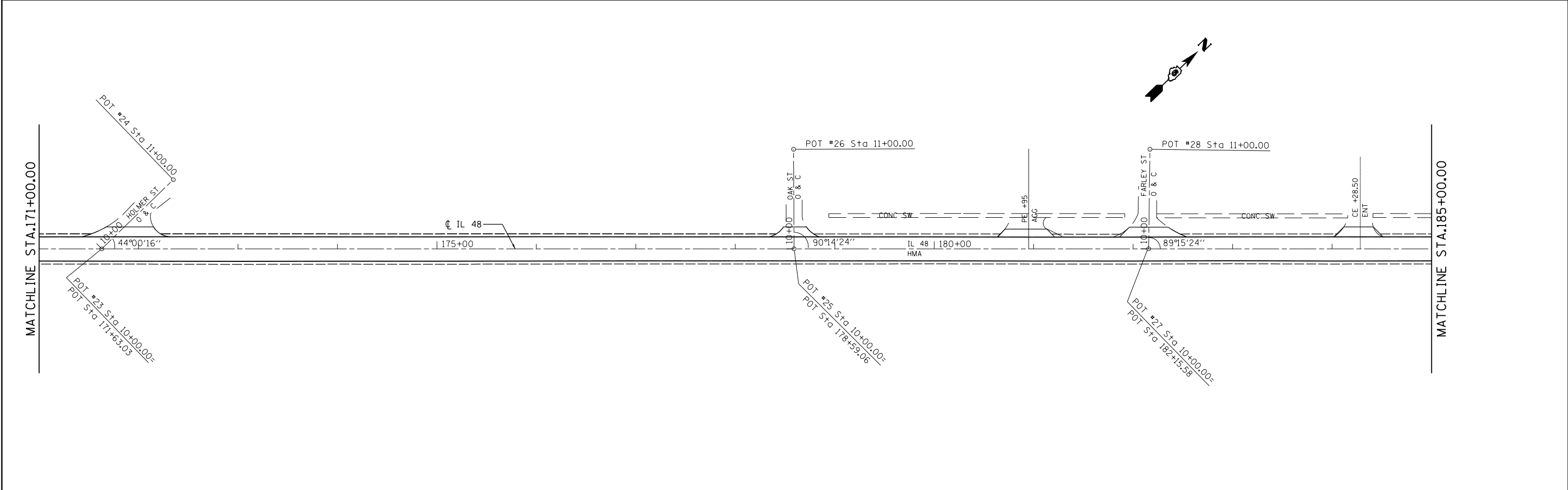
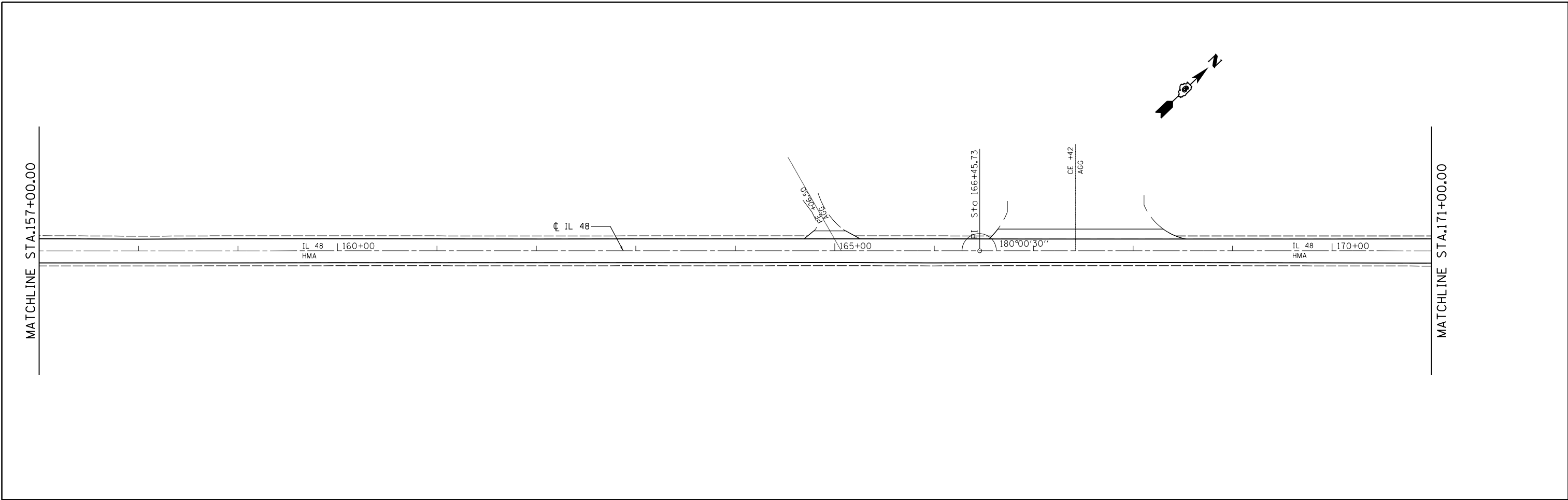
FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
c:\pwwork\pwwork\sparksgw\d0255647\0672929-sht-plan1.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = Mar-24-2011 09:10:21AM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137RS-6	MONTGOMERY	16	14
CONTRACT NO. 72E29			ILLINOIS FED. AID PROJECT	

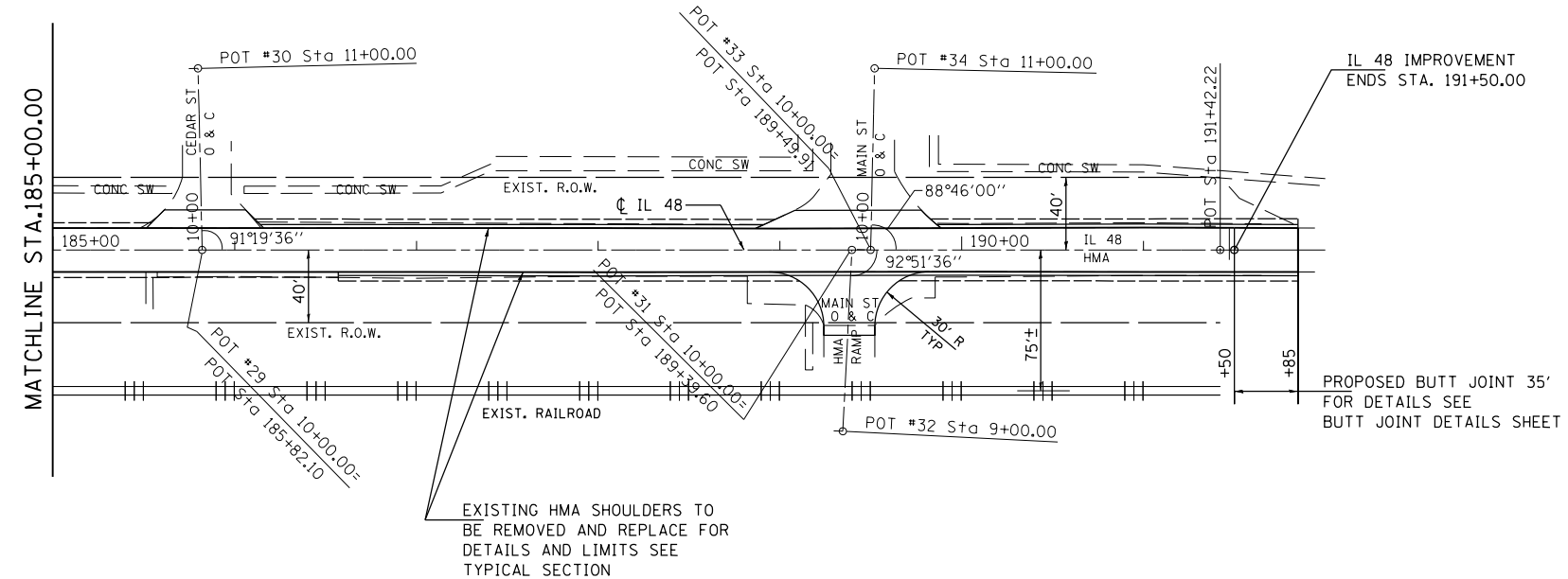
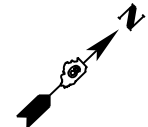


FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
c:\pwwork\pwwork\sparksgw\10255647\0672E29-sht-plan1.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Mar-24-2011 09:10:23AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137RS-6	MONTGOMERY	16	15
CONTRACT NO. 72E29			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -
c:\pwork\pwork\sparksgw\0255647\0672E29-sht-plan1.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Mar-24-2011 09:10:24AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	137RS-6	MONTGOMERY	16	16
				CONTRACT NO. 72E29
ILLINOIS FED. AID PROJECT				