

FOR INDEX OF SHEETS, SEE SHEET NO. 3
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

LOCATION 1 IL 14

ADT (2011)
 PV = 6,750
 SU = 170
 MU = 200

05-24-13 SPECIAL LETTING ITEM 060

LOCATION 2 IL 3

ADT (2011)
 PV = 900
 SU = 325
 MU = 575

LOCATION 3 IL 13127

ADT (2011)
 PV = 5,100
 SU = 225
 MU = 250

SEE PLAN SHEETS FOR STATION EQUATIONS

TOWNSHIP

LOCATION 1 BROWNING
 LOCATION 2 REYNOLDS
 LOCATION 3 PINCKNEYVILLE

PROJECT ENGINEER: SUSAN POE
 DESIGNER: TYLER BEELER

CONTRACT NO. 78352

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

VARIOUS ROUTES
 SECTION D9 RUMBLE STRIP 2013-1
 PROJECT HSIP-0005(925)
 RUMBLE STRIP
 VARIOUS COUNTIES

C-99-022-13

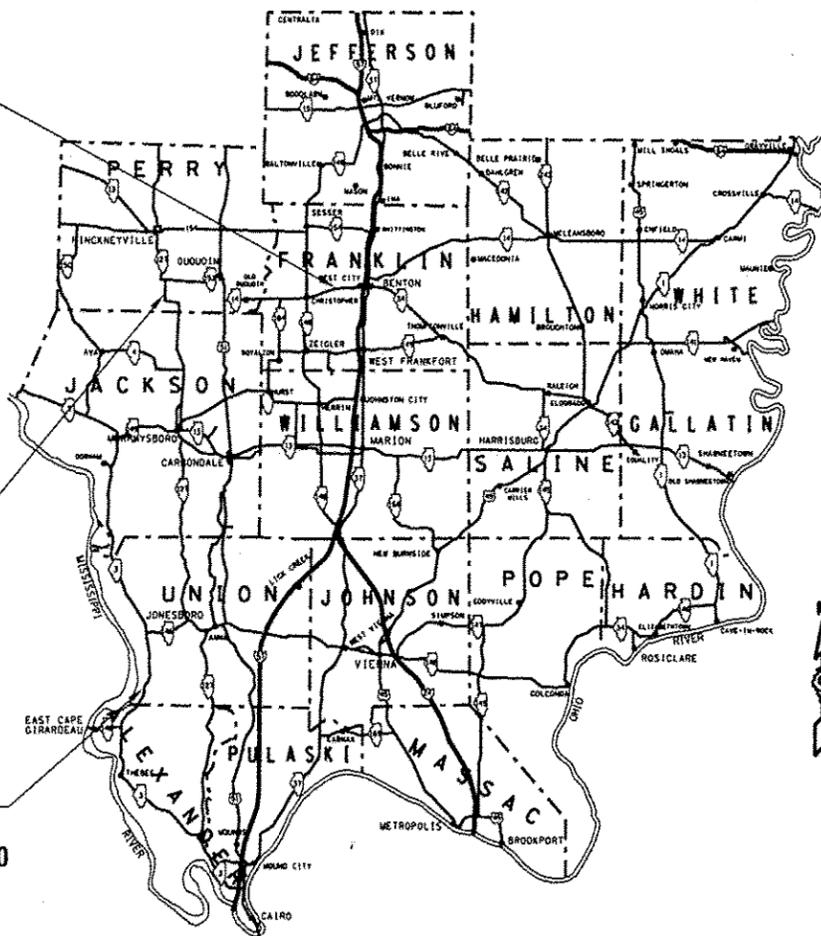
LOCATION 1
 IL 14 (FAP 869)
 STA. 541+65 TO STA. 850+00

LOCATION 3
 IL 13127 (FAP 42)
 STA. 678+02 TO STA. 1217+00

LOCATION 2
 IL 3 (FAP 312)
 STA. 168+50 TO STA. 776+50

PROJECT TOTAL
 GROSS LENGTH = 141241 FT = 26.75 MILE
 NET LENGTH = 138441 FT = 26.22 MILE

LOCATION 1 - IL 14 (FAP 869) GROSS LENGTH = 29875 FT = 5.66 MILE NET LENGTH = 29442 FT = 5.58 MILE
 LOCATION 2 - IL 3 (FAP 312) GROSS LENGTH = 60643 FT = 11.49 MILE NET LENGTH = 60409 FT = 11.44 MILE
 LOCATION 3 - IL 13127 (FAP 42) GROSS LENGTH = 50723 FT = 9.61 MILE NET LENGTH = 48591 FT = 9.20 MILE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D9	RUMBLE STRIP 2013-1	VARIOUS	13	1
ILLINOIS			CONTRACT NO. 78352	

VARIOUS ROUTES

D-99-022-13



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 22 20 13
Jeffrey L. Keen
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

April 26 20 13
John D. Baranzelli P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

April 26 20 13
Omer Osman P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

FILE NAME *
#FILE#
#MODELNAME#

USER NAME * #USER#
PLOT SCALE * #SCALE#
PLOT DATE * #DATE#

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET
SCALE: SHEET OF SHEETS STA. TO STA.

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

Examined By: *Joe Staniewicz*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kell Kelly*
DISTRICT OPERATIONS ENGINEER

Examined By: *K.R. [Signature]*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Dan [Signature]*
DISTRICT CONSTRUCTION ENGINEER

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

* VARIOUS ROUTES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 09	RUMBLE STRIP 2013-1	VARIOUS	15	2

CONTRACT NO. 78352
ILLINOIS FED. AID PROJECT
* VARIOUS ROUTES

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	SCHEDULES
6	TYPICAL SECTION, LOCATION 1 IL 14 (FAP 869)
7	TYPICAL SECTION, LOCATION 2 IL 3 (FAP 312)
8	TYPICAL SECTION, LOCATION 3 IL 13/127 (FAP 42)
9	PLAN VIEW, LOCATION 1 IL 14 (FAP 869)
10	PLAN VIEW, LOCATION 2 IL 3 (FAP 312)
11	PLAN VIEW, LOCATION 3 IL 13/127 (FAP 42)
12	CENTERLINE RUMBLE STRIP DETAIL
13	SHOULDER RUMBLE STRIP DETAIL

STANDARDS

701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, DAY ONLY, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
780001-03	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

STATIONING SHOWN IN THE SCHEDULES IS BASED ON STAMPED STATIONS IN THE EXISTING PAVEMENT AND FROM OLD PLANS. MINOR ADJUSTMENTS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

FILE NAME *	USER NAME * #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS STANDARDS, GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*		DRAWN -	REVISED -				D9 RUMBLE STRIP 2013-1	VARIOUS	13	3
#MODELNAME*		CHECKED -	REVISED -							CONTRACT NO. 78352
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
										(ILLINOIS) FED. AID PROJECT

* VARIOUS ROUTES

NO PASSING ZONE PAVEMENT MARKING

LOCATION STA. TO STA.	PAINT PAVEMENT MARKING 4" SOLID YELLOW
	FOOT
LOCATION 1	
550+00 - 559+75 RT	975
591+00 - 602+00 RT	1100
679+00 - 687+00 RT	800
560+00 - 569+00 LT	674
602+00 - 612+70 LT	1012
692+00 - 697+90 LT	536
LOCATION 3	
684+24 - 689+55 RT	532
702+94 - 731+42 RT	2848
805+41 - 822+66 RT	1726
900+13 - 905+64 RT	511
916+14 - 932+12 RT	1598
965+81 - 975+66 RT	985
988+97 - 1026+90 RT	510
1075+75 - 1088+95 RT	1320
1210+50 - 1217+00 RT	650
LOCATION 2	
695+46 - 700+54 LT	509
713+96 - 742+11 LT	2815
815+87 - 833+52 LT	1765
904+62 - 909+97 LT	535
976+77 - 986+47 LT	970
1031+00 - 1039+90 LT	890
1090+95 - 1099+50 LT	1120
1088+95-1090+95 LT/RT	200
LOCATION 1 TOTAL	5097
LOCATION 3 TOTAL	19484
TOTAL QUANTITY	24581

• LOCATION 2 CONTAINS NO "NO PASSING" SECTIONS

EXISTING EDGE LINES AND CENTERLINE SKIP DASHES WILL REMAIN IN PLACE.

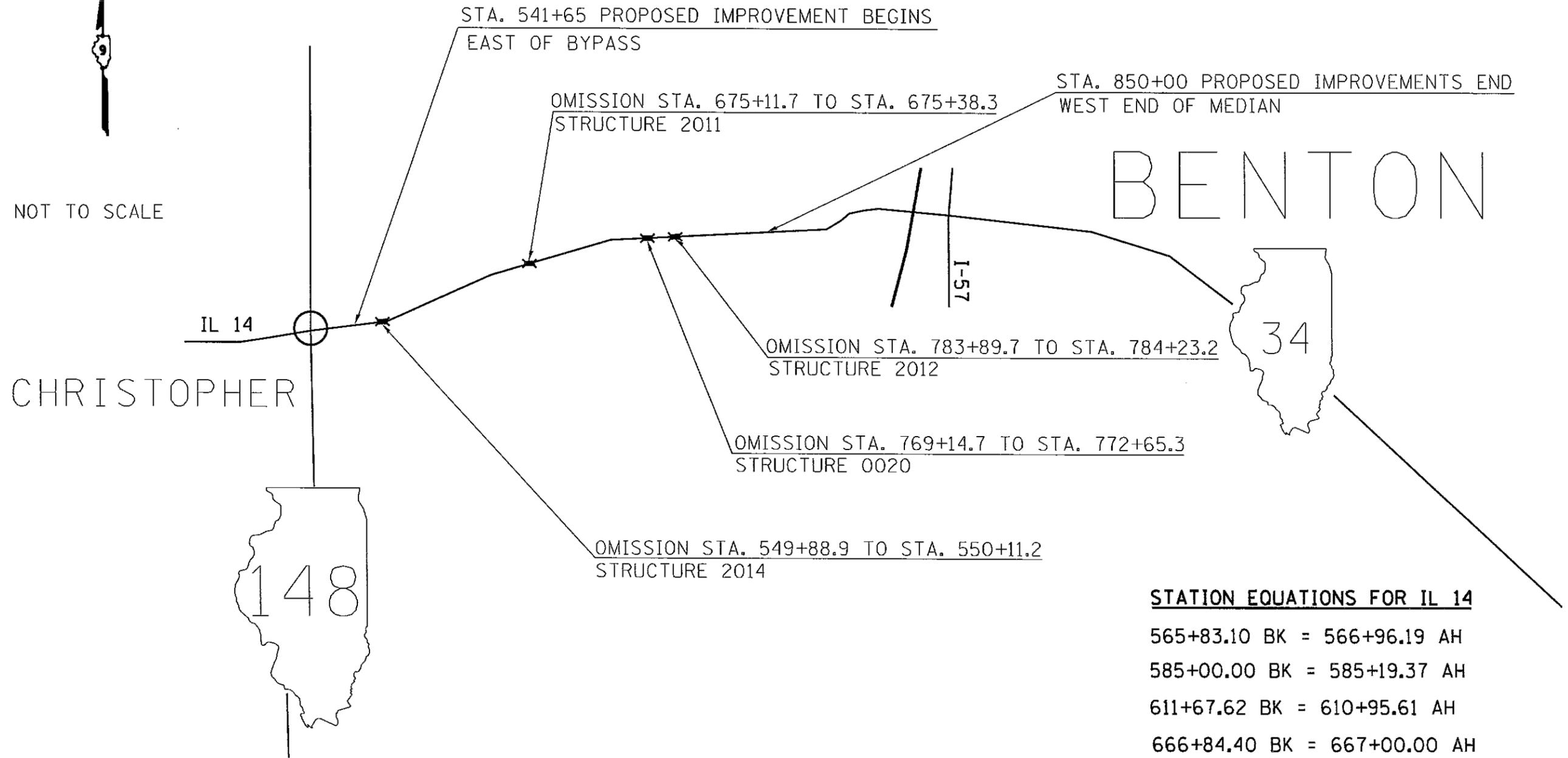
STATIONING FOR NO PASSING ZONES SHALL BE VERIFIED IN THE FIELD.

FILE NAME -	USER NAME - #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			•	D9 RUMBLE STRIP 2013-1	VARIOUS	15	5
#MODELNAME#		CHECKED -	REVISED -		SCALE:					
		DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO STA.	
										ILLINOIS FED. AID PROJECT

LOCATION 1 PLAN VIEW FRANKLIN COUNTY IL 14



NOT TO SCALE



STATION EQUATIONS FOR IL 14

- 565+83.10 BK = 566+96.19 AH
- 585+00.00 BK = 585+19.37 AH
- 611+67.62 BK = 610+95.61 AH
- 666+84.40 BK = 667+00.00 AH
- 692+80.05 BK = 693+06.54 AH
- 757+14.82 BK = 765+74.55 AH
- 816+91.90 BK = 816+84.50 AH
- 839+08.47 BK = 839+13.52 AH

FILE NAME *	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW LOCATION 1 IL 14 (FAP 869)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			•	D9 RUMBLE STRIP 2013-1	VARIOUS	15	9
#MODELNAME#		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 78352
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT

* VARIOUS ROUTES

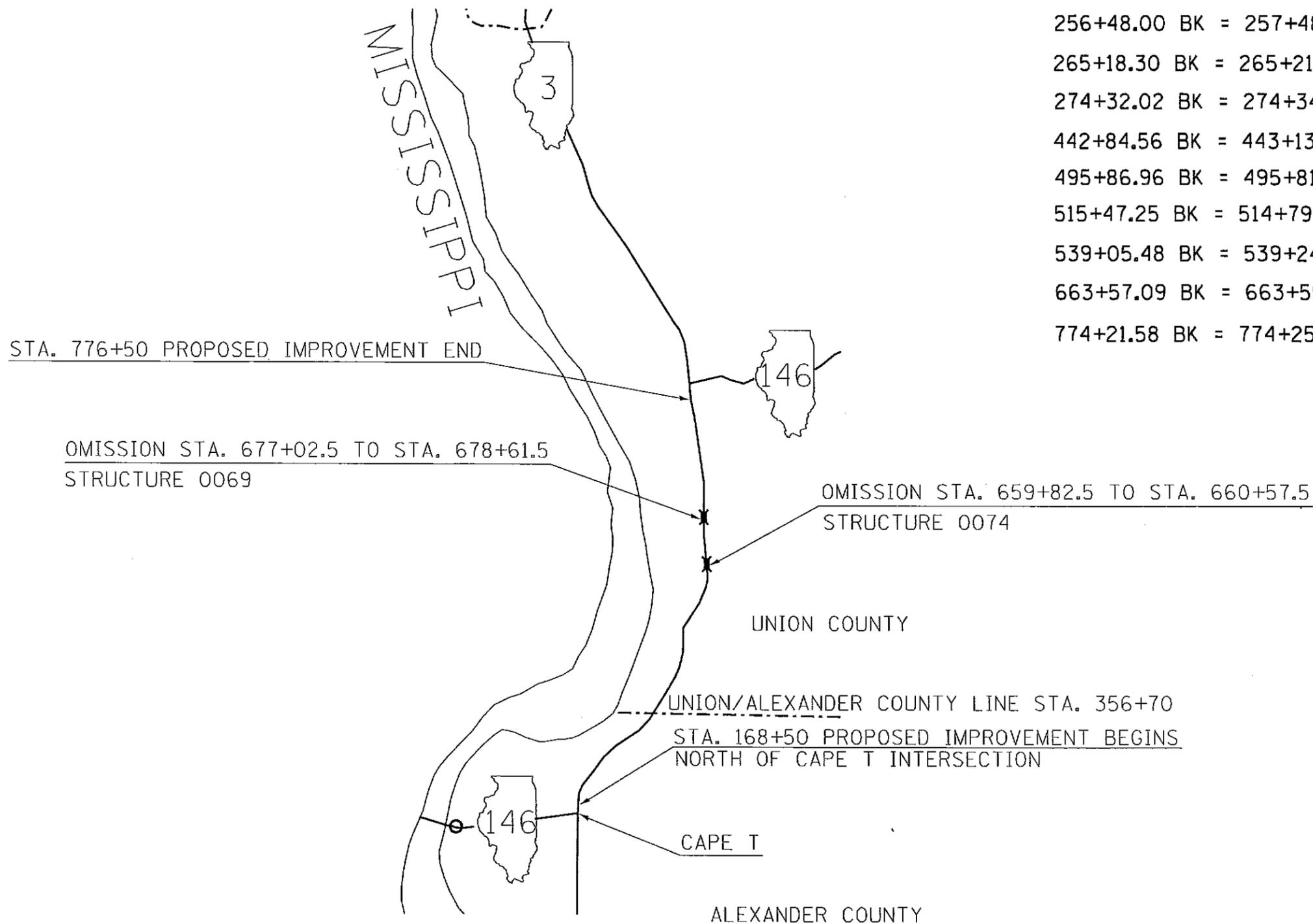
LOCATION 2 PLAN VIEW UNION/ALEXANDER COUNTY IL 3

STATION EQUATIONS FOR IL 3

215+26.70 BK = 215+97.30 AH
 219+00.00 BK = 219+03.70 AH
 256+48.00 BK = 257+48.00 AH
 265+18.30 BK = 265+21.10 AH
 274+32.02 BK = 274+34.55 AH
 442+84.56 BK = 443+13.98 AH
 495+86.96 BK = 495+81.62 AH
 515+47.25 BK = 514+79.92 AH
 539+05.48 BK = 539+24.38 AH
 663+57.09 BK = 663+55.58 AH
 774+21.58 BK = 774+25.21 AH



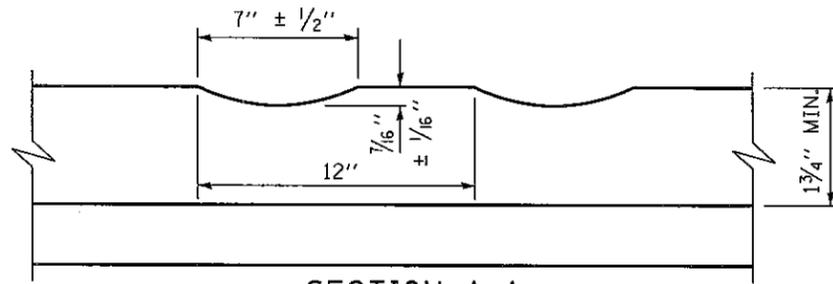
NOT TO SCALE



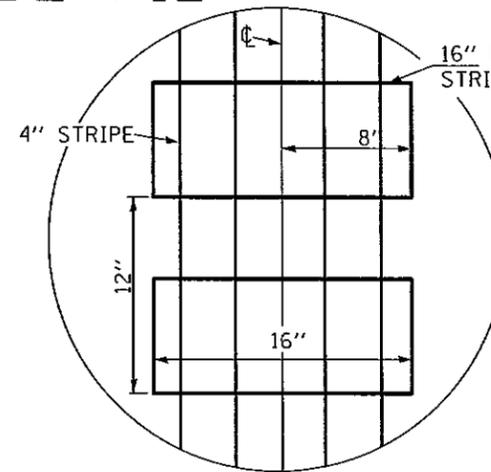
FILE NAME :	USER NAME : #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW LOCATION 2 IL 3 (FAP 312)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			*	D9 RUMBLE STRIP 2013-1	VARIOUS	15	10
#MODEL NAME#		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
		DATE -	REVISED -							

CENTERLINE RUMBLE STRIP DETAIL

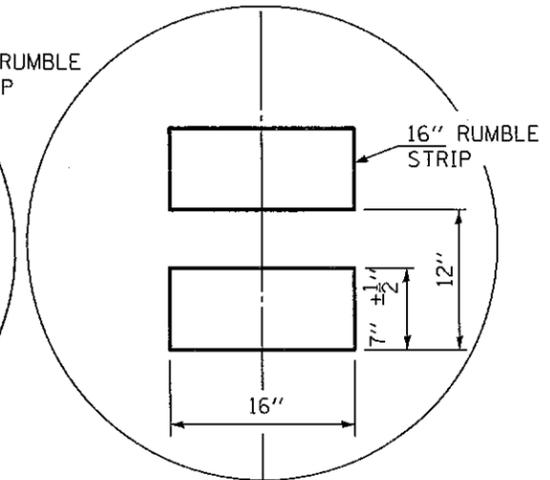
* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.



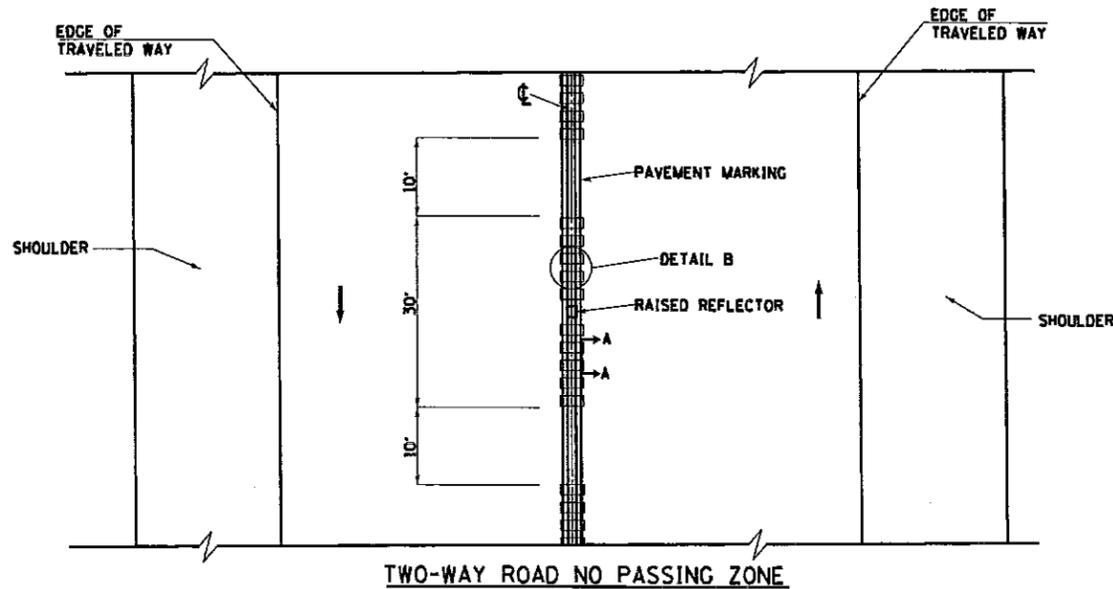
SECTION A-A



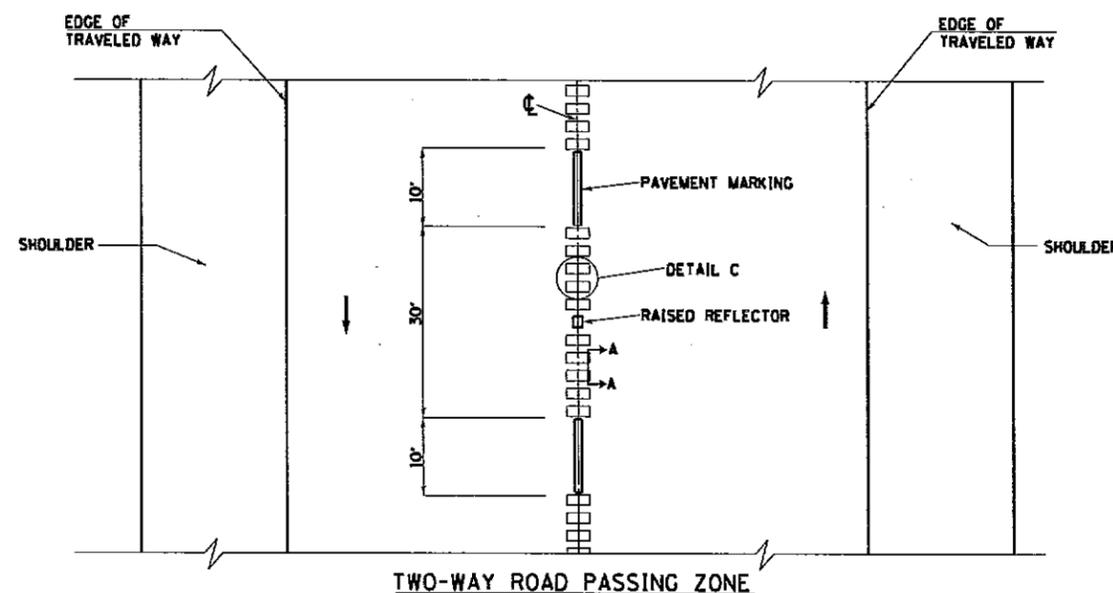
DETAIL B



DETAIL C



TWO-WAY ROAD NO PASSING ZONE



TWO-WAY ROAD PASSING ZONE

NOTES

RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

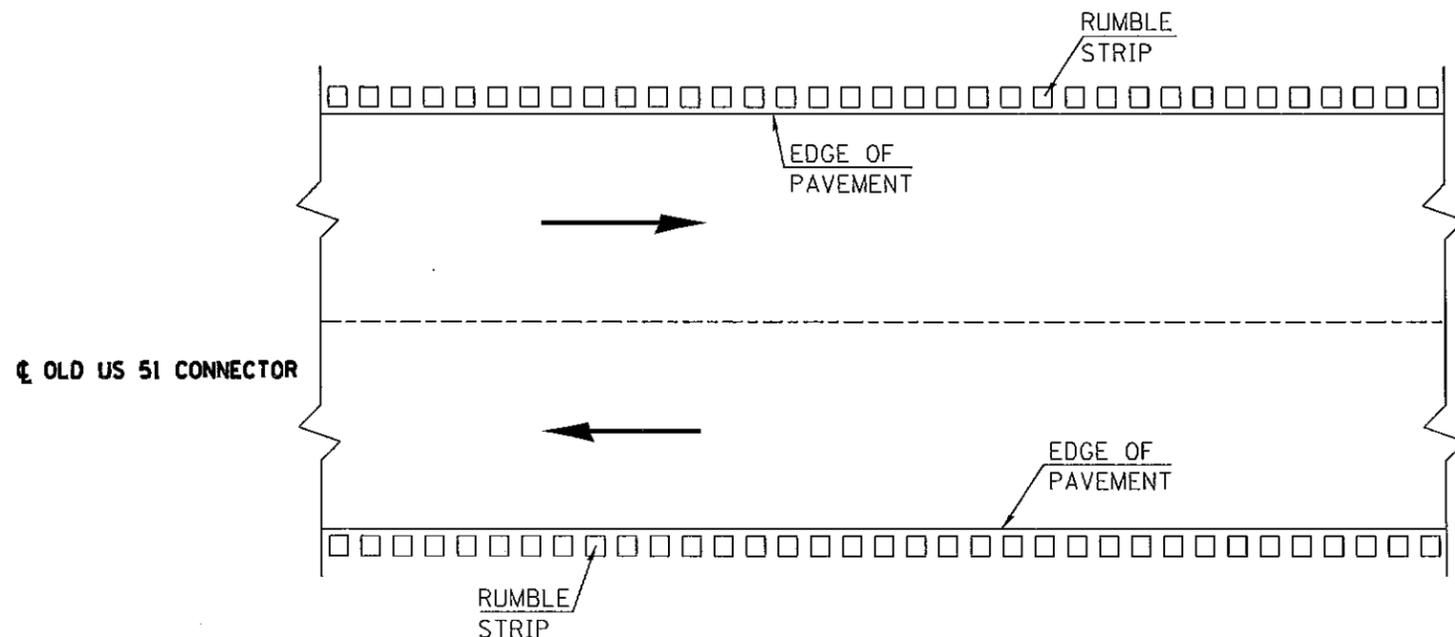
CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

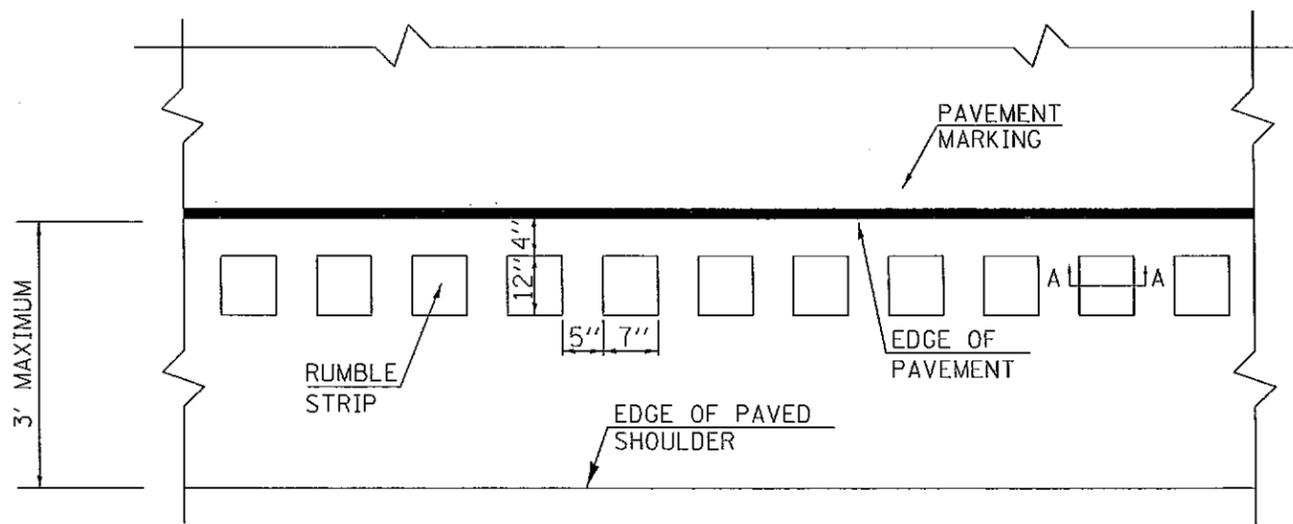
ADJUST SPACING OF RUMBLE STRIPS TO FALL BETWEEN RAISED REFLECTIVE PAVEMENT MARKERS AND EXISTING SKIP DASH PAVEMENT MARKERS.

FILE NAME -	USER NAME - *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CENTERLINE RUMBLE STRIP DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
*FILE#		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	09 RUMBLE STRIP 2013-1	VARIOUS	13	12
		CHECKED -	REVISED -											
#MODEL NAME#		DATE -	REVISED -											

SHOULDER RUMBLE STRIP DETAIL



PLAN VIEW



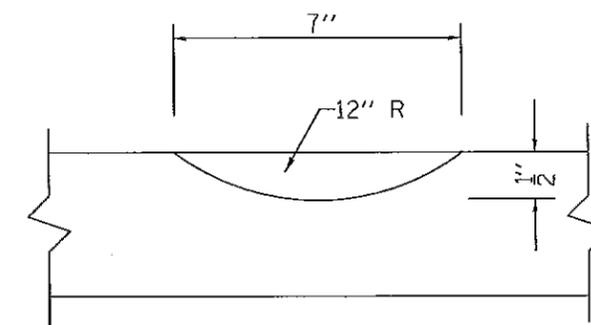
PLAN FOR RUMBLE STRIP

NOTES

OMIT SHOULDER RUMBLE STRIPS ACROSS STRUCTURES AND SIDE ROADS.

NO SHOULDER RUMBLE STRIP SHALL BE LOCATED CLOSER THAN 7" TO A TRANSVERSE JOINT ON PORTLAND CEMENT CONCRETE SHOULDERS,

THE SHOULDER RUMBLE STRIP 12" SHALL BE PAID FOR AS RUMBLE STRIP, FOOT.



SECTION A-A

FILE NAME -	USER NAME - #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHOULDER RUMBLE STRIP DETAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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#MODELNAME#		CHECKED -	REVISED -											
		DATE -	REVISED -											