

PROJECT ENGR.: M. Addis 671-3454

DESIGNER: Elias Eiderzi 671-3459

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	1

\* 133RS-3;134RS-2;135RS-5

FOR INDEX OF SHEETS, SEE SHEET #2

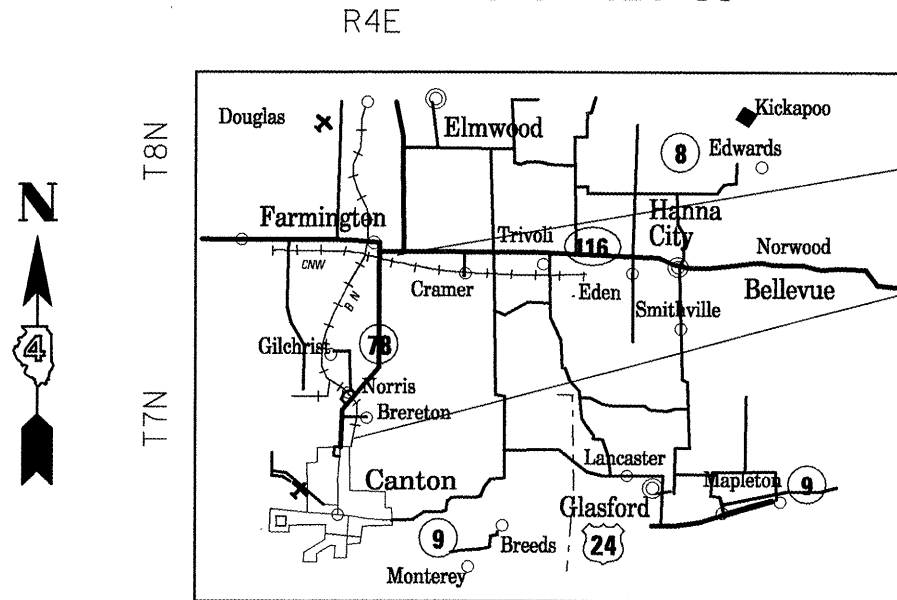
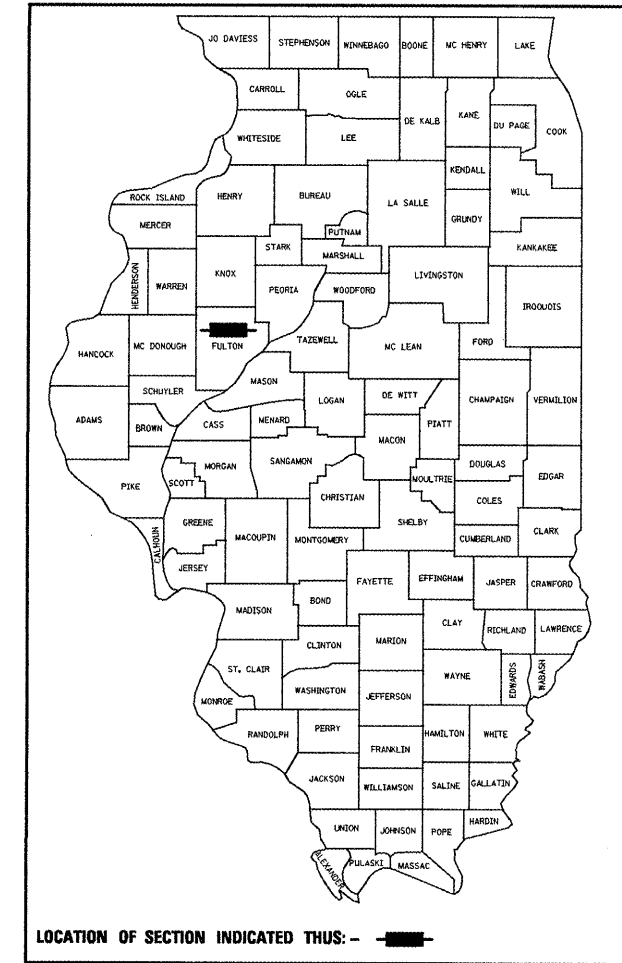
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 22 (IL 78)  
SECTION 133RS-3;134RS-2;135RS-5  
PROJECT ESP-0022(070)  
FULTON COUNTY  
C-94-124-05

**HIGHWAY STANDARDS**

280001-04	701011-02	701326-03
442201-03	701501-05	
542401-01	701301-03	
630001-08	701306-02	
630101-08	701311-03	
630301-05	701336-05	
635006-03	701901-01	
667101-01	780001-02	
701001-02	781001-03	
701006-03	BLR23-1	

D-94-097-05



IMPROVEMENT BEGINS  
STA. 27+09

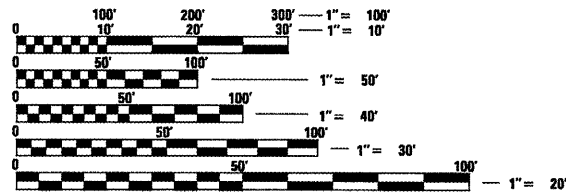
IMPROVEMENT ENDS  
STA. 160+25

Station Equations: 174+00(BK) = 175+00(AH)  
262+19(BK) = 262+98(AH)  
351+60(BK) = 102+24(AH)

ADT = 5,500 (2007)  
MU = 100  
SU = 150

PROJECT DESCRIPTION

This project consists of cold milling and resurfacing, including new safety shoulders, from IL 116(W) in Farmington to the NCL of Canton.



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

CONTRACT NO. 68516 CATALOG NO. 033112-00

GROSS LENGTH = 7.21 MILES  
NET LENGTH = 7.21 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Feb 4, 2009

March 13, 2009  
Charles G. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	-	FULTON	71	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				

# INDEX OF SHEETS

- 1. COVER SHEET
- 2-3. COMMITMENTS AND GENERAL NOTES
- 4-6. SUMMARY OF QUANTITIES
- 7-20. TYPICAL SECTIONS
- 21-24. SCHEDULES OF QUANTITIES
- 25. LINE DIAGRAM
- 26-55. PLAN SHEETS
- 56. RURAL DETAIL OF ENTRANCES AND MAILBOX TURNOUTS
- 57. OVERLAY UNDER STRUCTURES DETAIL
- 58-71. DISTRICT CADD STANDARDS
  - 280001 542016 667101
  - 406101 630101 780001
  - 440001 635101

# COMMITMENTS

No commitments have been made for this project.

# GENERAL NOTES

## ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

## ENVIRONMENTAL REVIEWS (continued)

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* A location map showing the size limits and location of the use area
- \* Signed property owner agreement form-D4 PI0100
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

## PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm ) high and 5/8 inch (15 mm ) deep.

The pavement station numbers shall be installed as specified herein:

Interval - 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers - 6 inches (150 mm ) from the inside edge of the pavement marking

Location:

- \* 2,3, & 5 Lane Pavements - right edge of pavement in direction of increasing stations
- \* Multi-Lane Divided Roadways - outside edge of pavement in both directions
- \* Ramps - along baseline edge of pavement

Position - stations shall be placed so they can be read from the adjacent shoulder

Format - English (Metric) pavement stations shall use this format "XXX (XX + X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## COMMITMENTS AND GENERAL NOTES

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

The following mixture requirements are applicable to this project:

Mixture Use(s):	Mainline Surface Course (Single 2" Lift)	Incidental Surface	Class D Patches	HMA Shoulder (Surface Lift)	HMA Shoulder (Bottom Lift)
RAP % (Max)**:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
AC/PC:	15%	15%	25%	30%	30%
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	3.0% @ N=30	4.0% @ N=30
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL 12.5	IL 9.5 or IL 12.5	IL 19.0	IL 9.5	IL 19.0
Friction Aggregate	Mixture D (dolomite only)	Mixture C	N.A.	Mixture C	N.A.

\*\* If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

**AGGREGATE (DESCRIPTION), TYPE B**

Aggregate (Description), Type B shall be required for all granular construction of side roads, entrances, and mailbox turnouts, whether or not portions of the surfaces thus constructed are to be covered with a bituminous surface, except where noted differently on the plans.

**MINIMUM VERTICAL CLEARANCE**

The Contractor shall verify the existing structure vertical clearance prior to placing bituminous overlay under any structure. A minimum 14'-3" vertical clearance shall be maintained under all structures.

**BUTT JOINT CUTTING TIME RESTRICTION**

Butt joints shall not be milled more than three (3) days prior to placement of the bituminous surface course.

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS**

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

**ENGINEERS FIELD OFFICE**

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):  
All of the telephone lines provided shall have unpublished numbers.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

SCALE: VERT. DATE      HORIZ.      DRAWN BY      CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% FEDERAL ROADWAY 1000 RURAL
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1103	1103
20400800	FURNISHED EXCAVATION	CU YD	50	50
21400100	GRADING AND SHAPING DITCHES	FOOT	80	80
28000400	PERIMETER EROSION BARRIER	FOOT	80	80
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28000720	MULCH, METHOD 2	ACRE	0.05	0.05
28100825	STONE DUMPED RIPRAP, CLASS B3	TON	50	50
28200200	FILTER FABRIC	SQ YD	150	150
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	43	43
40600300	AGGREGATE (PRIME COAT)	TON	216	216
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1453	1453
40600990	TEMPORARY RAMP	SQ YD	370	370
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	11679	11679
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	481	481
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	93494	93494
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11788	11788
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1707	1707
44000400	GUTTER REMOVAL	FOOT	583	583
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	664	664
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	348	348
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	355	355

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

SCALE: VERT. DATE      HORIZ. DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				

# SUMMARY OF QUANTITIES

## CONSTR. CODE

100% FEDERAL

ROADWAY  
1000  
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 1000 RURAL
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1681	1681
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4937	4937
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1
54215577	METAL END SECTIONS 42"	EACH	2	2
54248515	CONCRETE COLLAR	EACH	2	2
54390230	INSERTION CULVERT LINER 36"	FOOT	55	55
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6' FOOT POSTS	FOOT	4275	4275
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	100	100
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	15	15
63200310	GUARDRAIL REMOVAL	FOOT	3150	3150
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1
66700605	PERMANENT SURVEY TIES	EACH	4	4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7615	7615
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	110360	110360
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1269	1269
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	110360	110360

\* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

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HORIZ.  
DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	I000 RURAL
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	477	477	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	45	45	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	16	16	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	477	477	
542D1087	PIPE CULVERTS, CLASS D, TYPE 2 42"	FOOT	40	40	
* LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1	1	
X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	230	230	

\* SPECIALTY ITEM

REVISIONS	
NAME	DATE

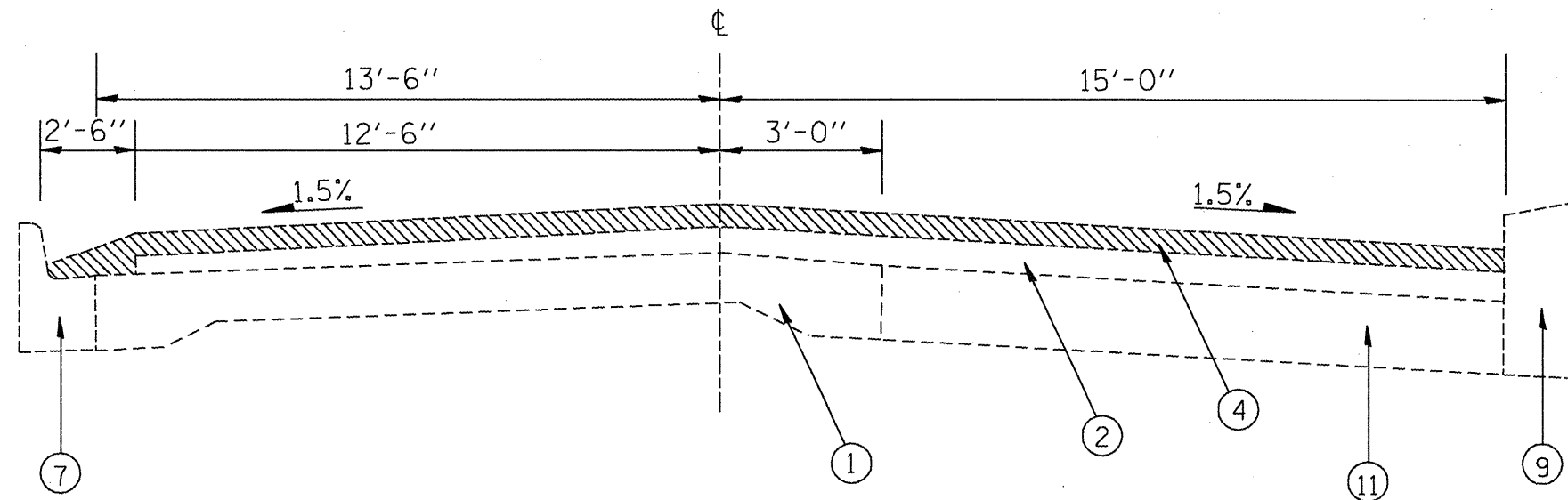
ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

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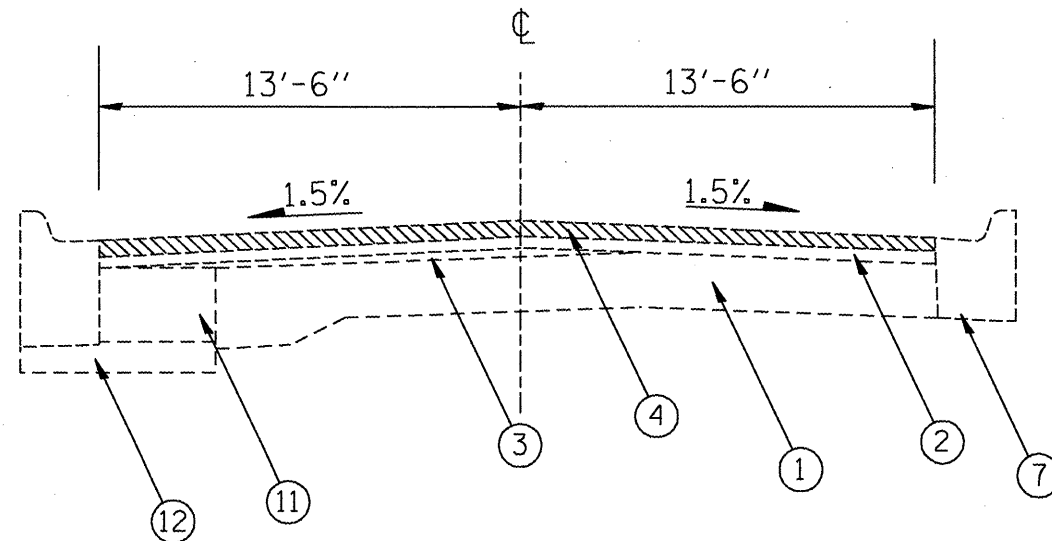
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STA 27+09 - 29+33  
FARMINGTON

- PROP HMA SURF REM 3/4"
- PROP HMA SURF REM 2"



STA 29+33 - 31+83  
FARMINGTON

### LEGEND

- 1 EXIST 9-6-9 PAVEMENT
- 2 EXIST LEVELING BINDER, MIX C, 3/4"
- 3 EXIST LEVELING BINDER, VAR. THICKNESS
- 4 EXIST BCSC, MIX D, CLASS I, 1-1/2"
- 5 EXIST BIT. OVERLAY (1-1/2" BINDER, 1-1/2" SURFACE)
- 6 EXIST BIT OVERLAY (1-1/2" BINDER, 1-1/4" SURFACE)
- 7 EXIST CCC&G B-6.18
- 8 EXIST CCC&G B-6.12
- 9 EXIST CONCRETE MEDIAN
- 10 EXIST CONCRETE & BRICK PAVEMENT
- 11 EXIST PCC BASE COURSE 9"
- 12 EXIST AGG BASE COURSE, 4"
- 13 EXIST AGG SHOULDER
- 14 EXIST CONCRETE GUTTER
- 15 GRAN SUB-BASE, TYPE B, 6"
- 16 POROUS GRAN EMBANKMENT, 6"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

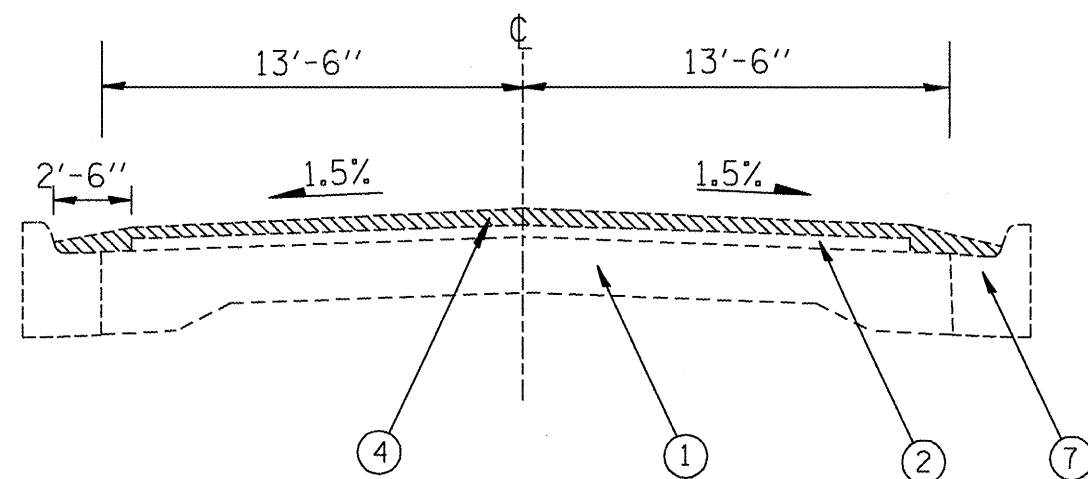
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TYPICAL SECTIONS**

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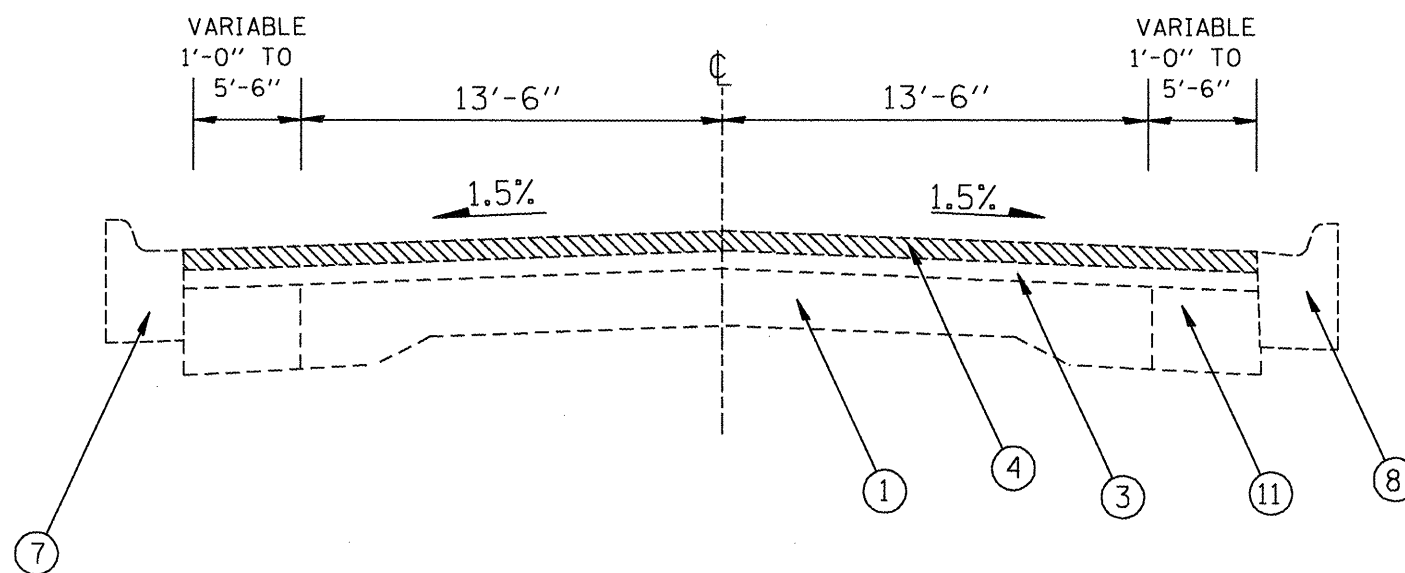
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STA 31+83 - 34+87  
FARMINGTON



STA 34+87 - 36+09.50  
FARMINGTON

- PROP HMA SURF REM 3/4"
- PROP HMA SURF REM 2"

### LEGEND

- 1 EXIST 9-6-9 PAVEMENT
- 2 EXIST LEVELING BINDER, MIX C, 3/4"
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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

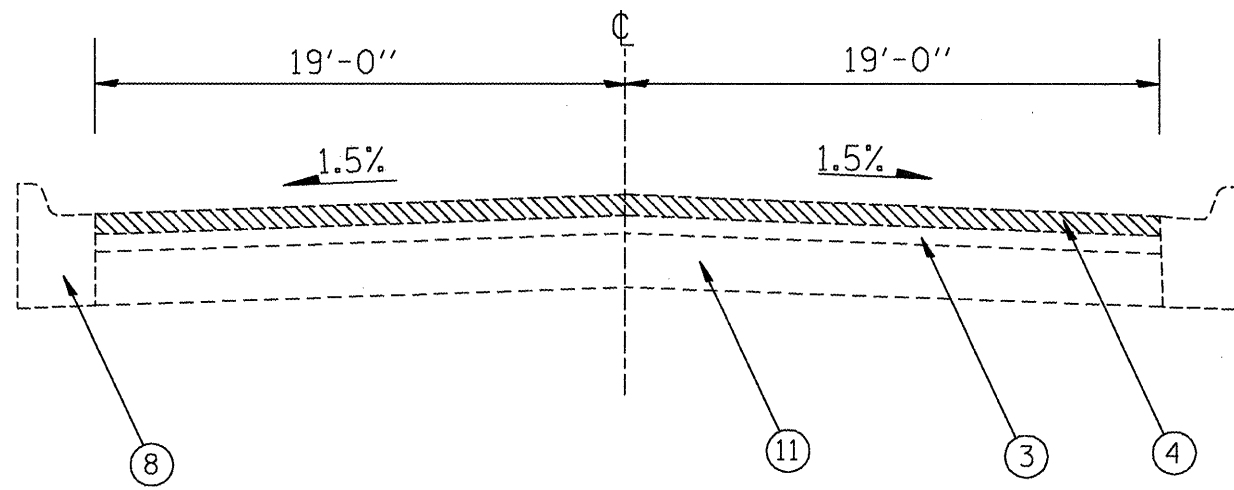
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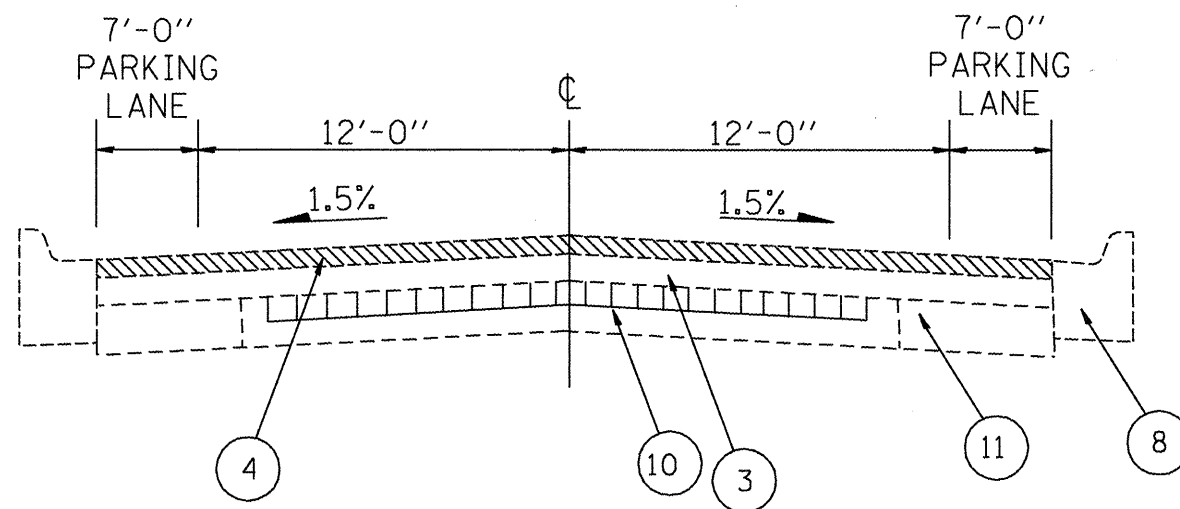
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22	*	FULTON	71	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 36+09.50 - 36+85.50  
FARMINGTON



STA 36+85.5 - 54+94

-  PROP HMA SURF REM 3/4"
-  PROP HMA SURF REM 2"

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REVISIONS	
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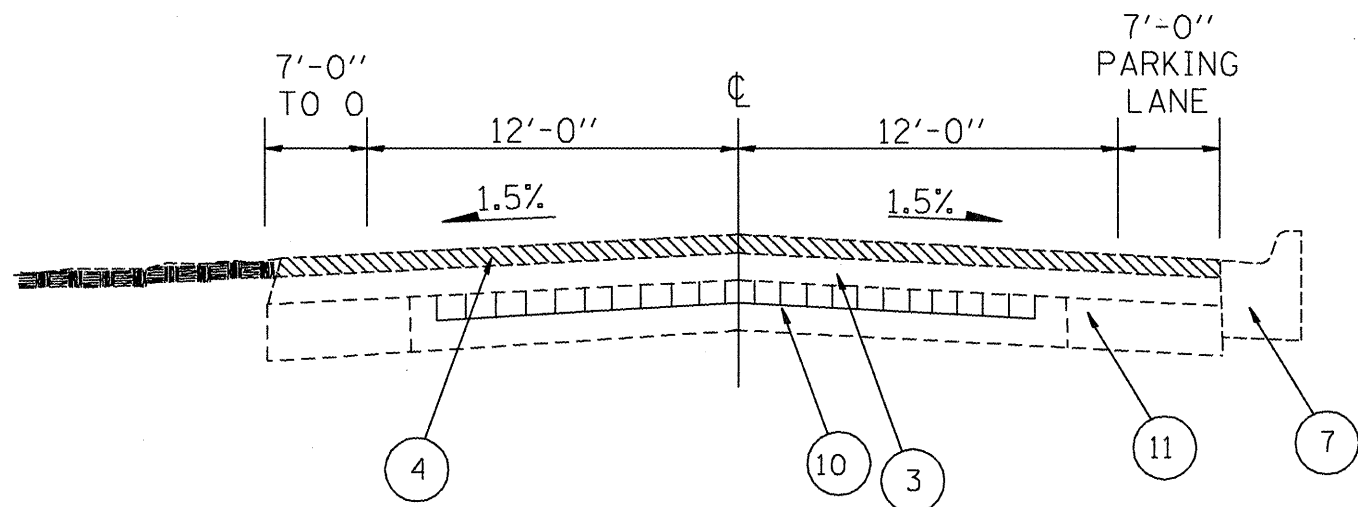
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### IL 78 EXISTING TYPICAL SECTIONS

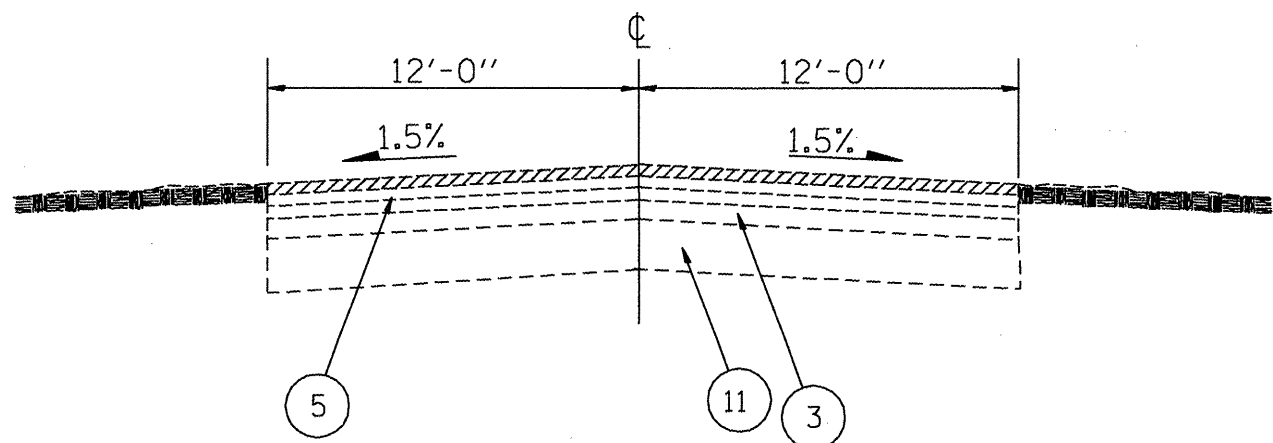
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STA.		TO STA.		
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* 133RS-3;134RS-2;135RS-5				



STA 54+94 - 56+60



STA 56+60 - 56+85

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LEGEND

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REVISIONS	
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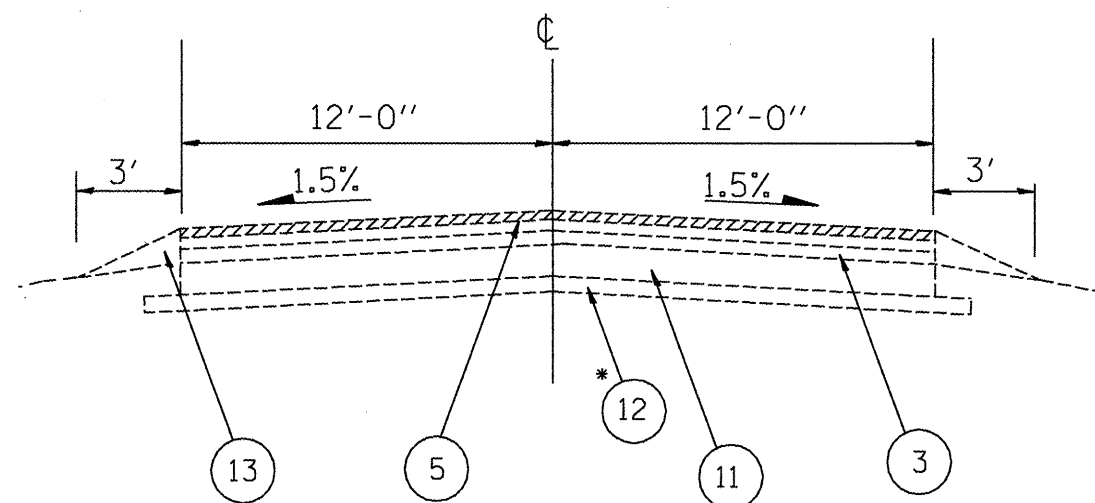
ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL 78 EXISTING  
TYPICAL SECTIONS**

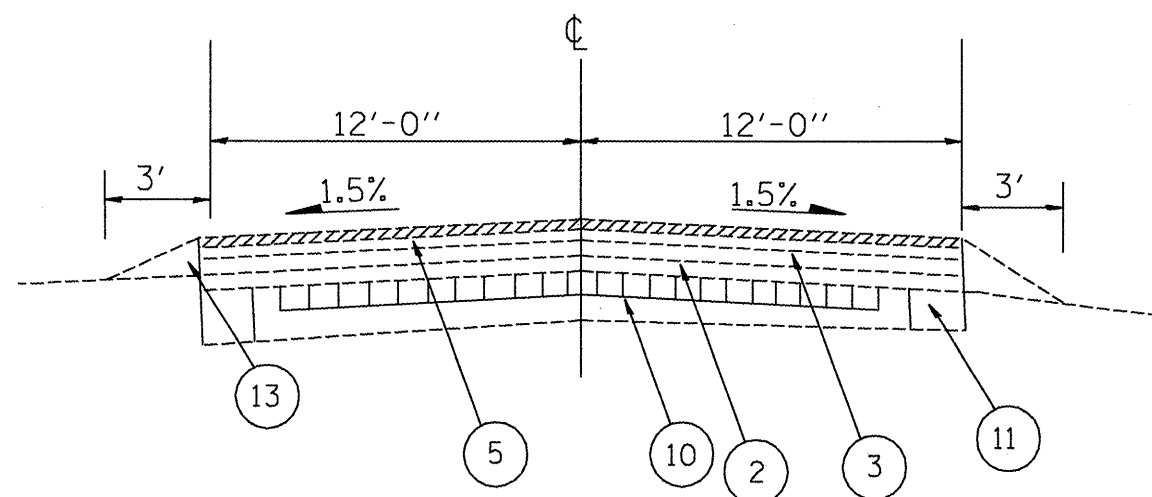
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22	*	FULTON	71	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-31134RS-21135RS-5				



STA 56+85 - 77+75  
 STA 241+83 - 285+75  
 STA 291+90 - 308+00  
 STA 313+00 - 319+00  
 STA 332+50 - 351+60



STA 77+75 - 241+00

### LEGEND

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REVISIONS	
NAME	DATE

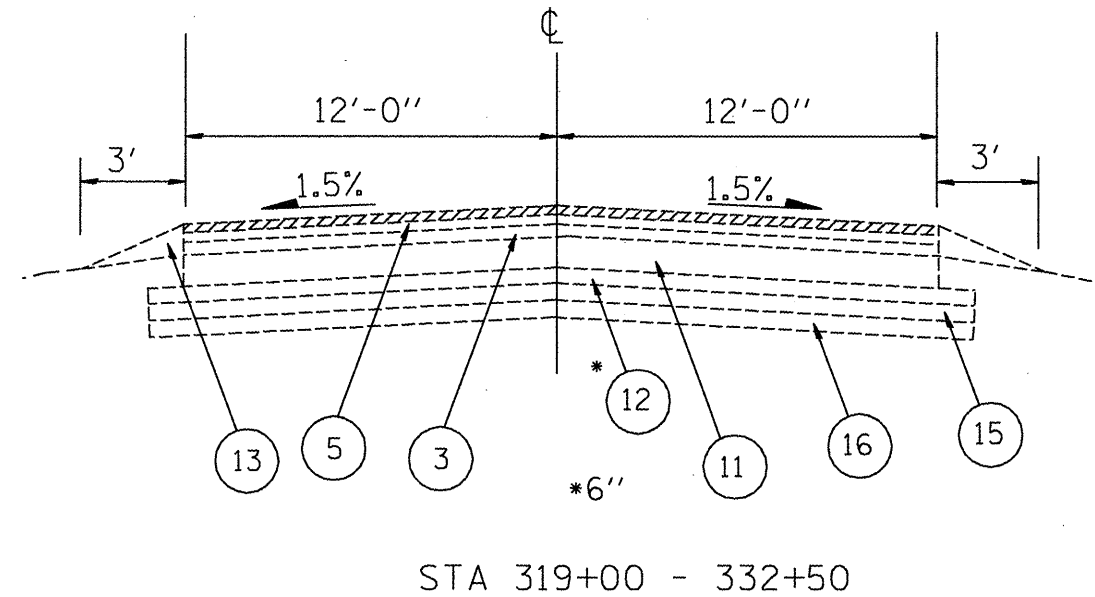
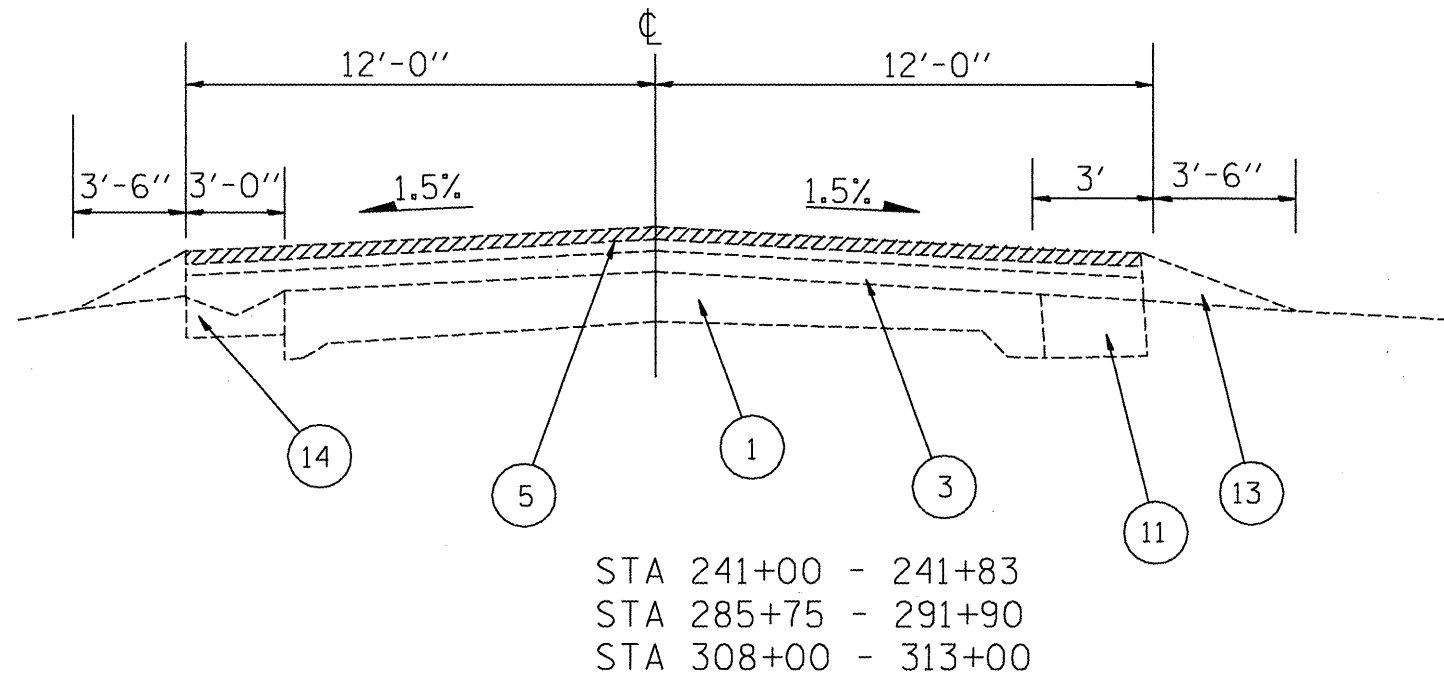
ILLINOIS DEPARTMENT OF TRANSPORTATION

### IL 78 EXISTING TYPICAL SECTIONS

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	"	FULTON	71	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



### LEGEND

- 1 EXIST 9-6-9 PAVEMENT
- 2 EXIST LEVELING BINDER, MIX C, 3/4"
- 3 EXIST LEVELING BINDER, VAR. THICKNESS
- 4 EXIST BCSC, MIX D, CLASS I, 1-1/2"
- 5 EXIST BIT. OVERLAY (1-1/2" BINDER, 1-1/2" SURFACE)
- 6 EXIST BIT OVERLAY (1-1/2" BINDER, 1-1/4" SURFACE)
- 7 EXIST CCC&G B-6.18
- 8 EXIST CCC&G B-6.12
- 9 EXIST CONCRETE MEDIAN
- 10 EXIST CONCRETE & BRICK PAVEMENT
- 11 EXIST PCC BASE COURSE 9"
- 12 EXIST AGG BASE COURSE, 4"
- 13 EXIST AGG SHOULDER
- 14 EXIST CONCRETE GUTTER
- 15 GRAN SUB-BASE, TYPE B, 6"
- 16 POROUS GRAN EMBANKMENT, 6"

- PROP HMA SURF REM 3/4"
- PROP HMA SURF REM 2"

REVISIONS	
NAME	DATE

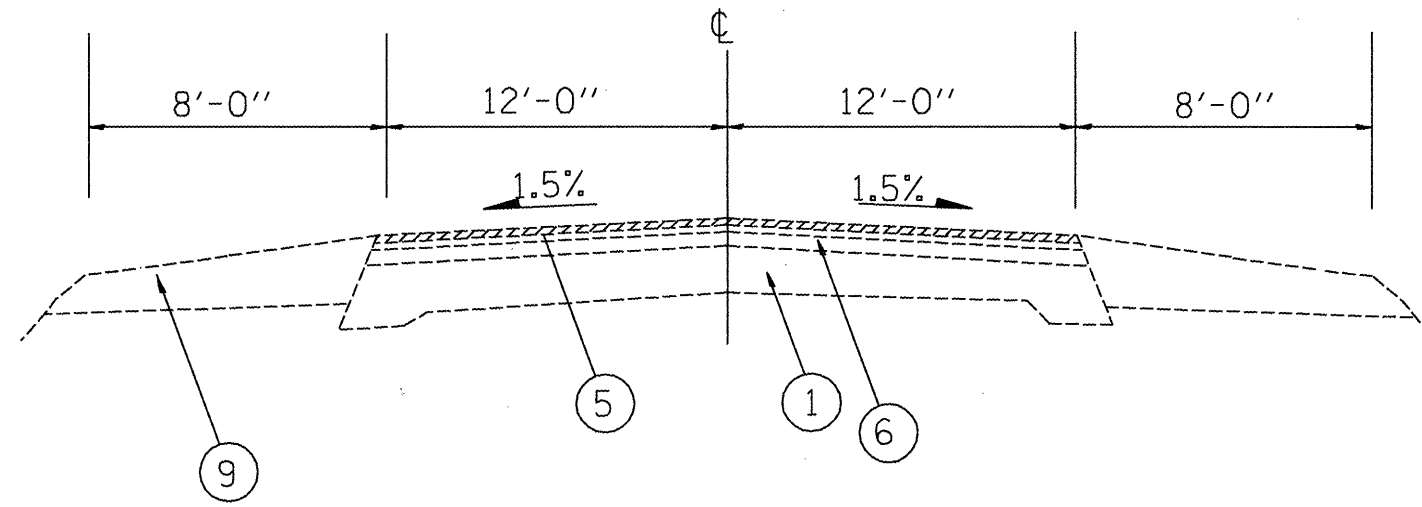
ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL 78 EXISTING  
TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 102+24 - 160+25

### LEGEND

- 1 EXIST 9-6-9 PAVEMENT
- 2 EXIST LEVELING BINDER, MIX C, 3/4"
- 3 EXIST LEVELING BINDER, VAR. THICKNESS
- 4 EXIST BCSC, MIX D, CLASS I, 1-1/2"
- 5 EXIST BIT. OVERLAY (1-1/2" BINDER, 1-1/2" SURFACE)
- 6 EXIST BIT OVERLAY (1-1/2" BINDER, 1-1/4" SURFACE)
- 7 EXIST CCC&G B-6.18
- 8 EXIST CCC&G B-6.12
- 9 EXIST CONCRETE MEDIAN
- 10 EXIST CONCRETE & BRICK PAVEMENT
- 11 EXIST PCC BASE COURSE 9"
- 12 EXIST AGG BASE COURSE, 4"
- 13 EXIST AGG SHOULDER
- 14 EXIST CONCRETE GUTTER
- 15 GRAN SUB-BASE, TYPE B, 6"
- 16 POROUS GRAN EMBANKMENT, 6"

- PROP HMA SURF REM 3/4"
- PROP HMA SURF REM 2"

REVISIONS	
NAME	DATE

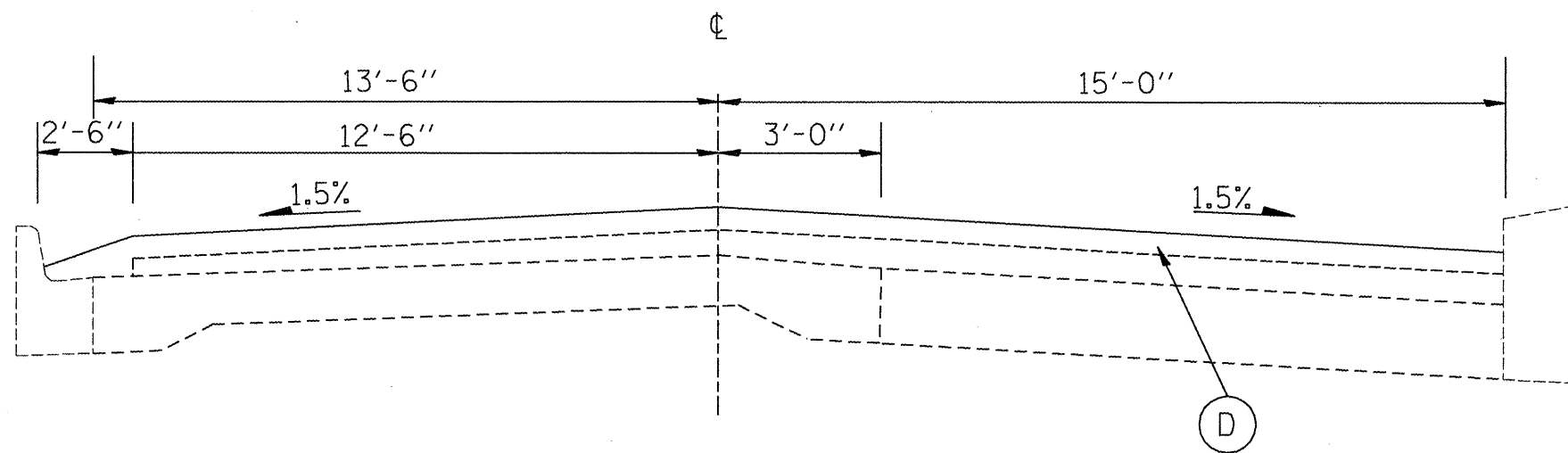
ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL 78 EXISTING  
TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

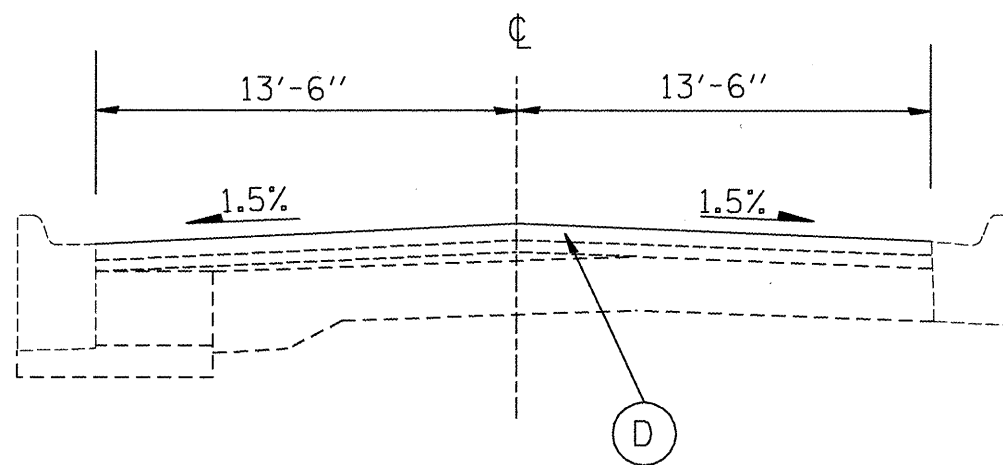
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 27+09 TO STA 29+33

FARMINGTON



STA 29+33 TO STA 31+83

FARMINGTON

LEGEND

- Ⓐ PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- Ⓑ PROP HMA SHOULDERS, 8"
- Ⓒ PROP EARTH EXCAVATION WIDENING, 8"
- Ⓓ PROP HMA SURF CSE, MIX D, N50, 2"

REVISIONS	
NAME	DATE

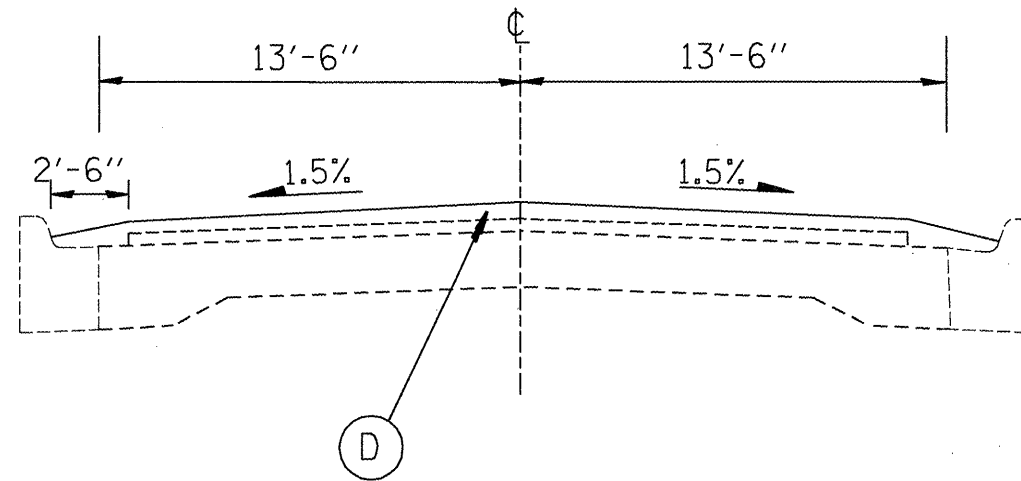
ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 78 PROPOSED  
TYPICAL SECTIONS

SCALE: VERT.  
DATE      HORIZ.

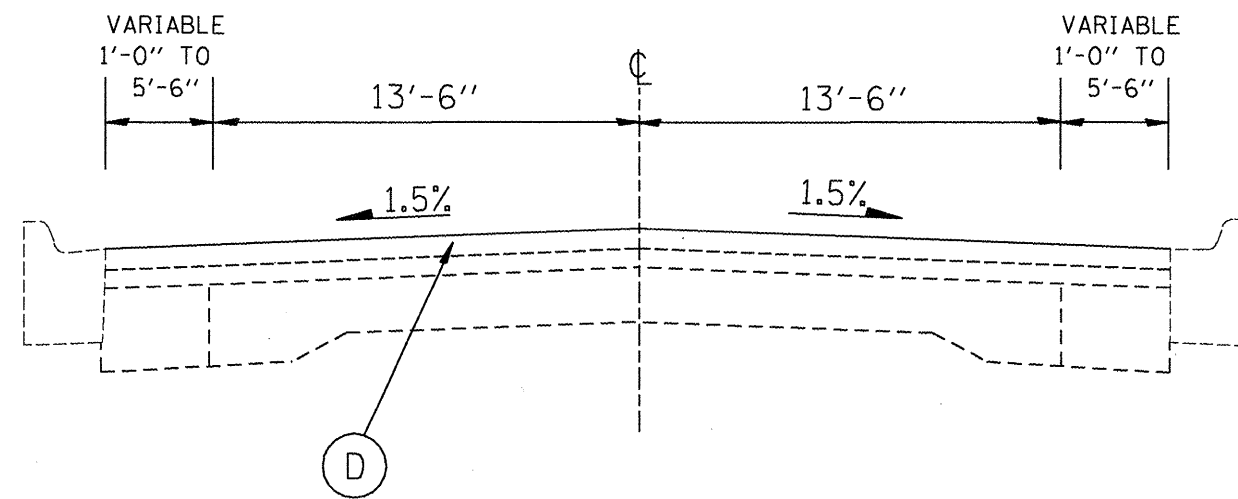
DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 31+83 TO STA 34+87

FARMINGTON



STA 34+87 TO STA 36+09.50

FARMINGTON

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"

REVISIONS	
NAME	DATE

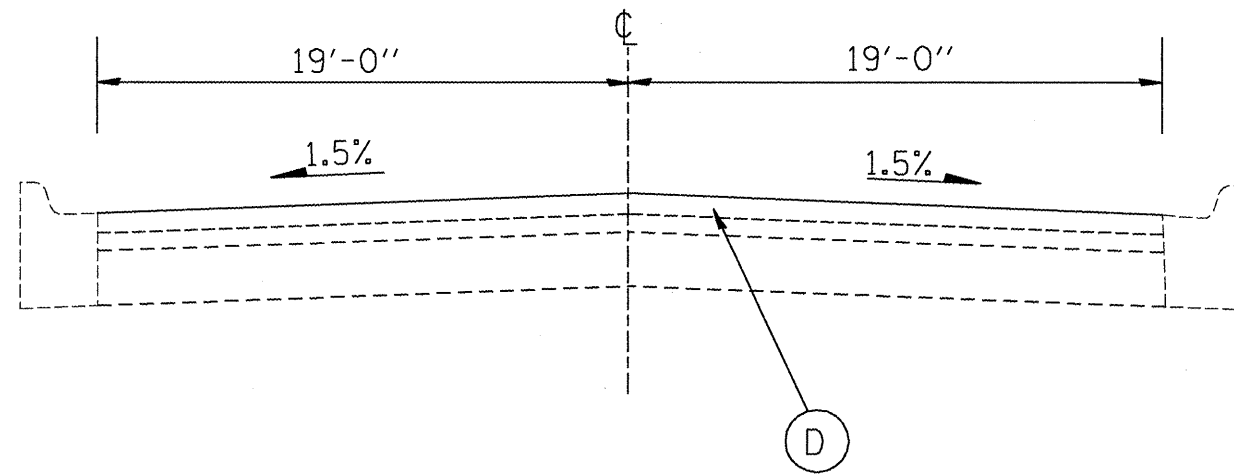
ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 78 PROPOSED  
TYPICAL SECTIONS

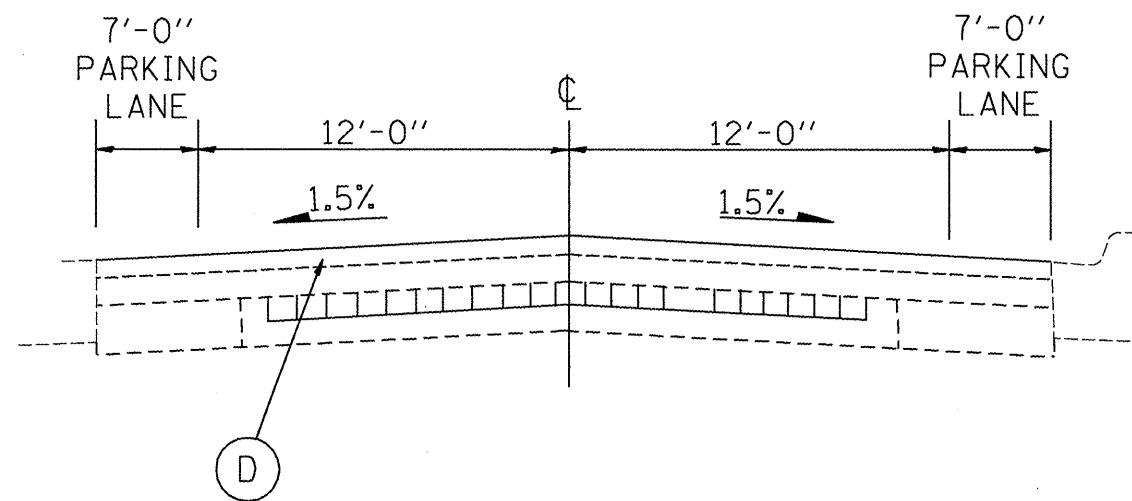
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

F.A.P. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 36+09.50 TO STA 36+85.50  
FARMINGTON



STA 36+85.50 TO STA 54+94

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

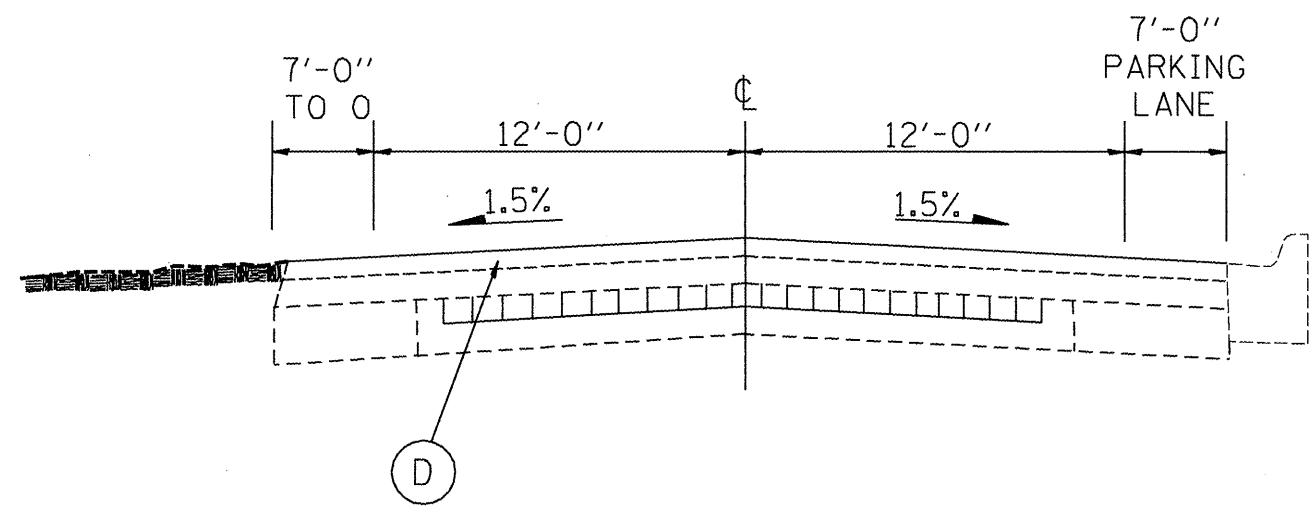
**IL 78 PROPOSED  
TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

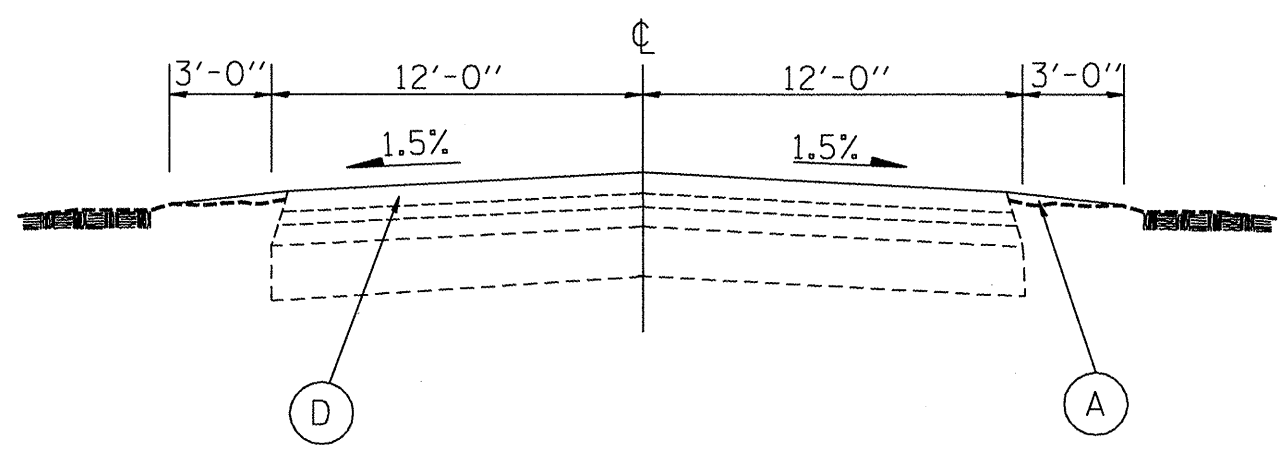
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STA 54+94 TO STA 56+60



STA 56+60 TO STA 56+85

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"

REVISIONS	
NAME	DATE

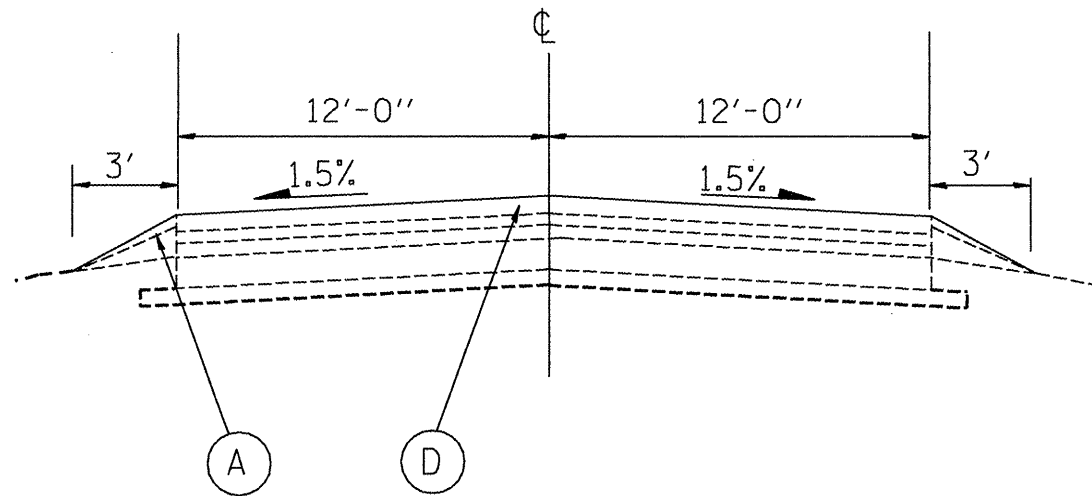
ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 78 PROPOSED  
TYPICAL SECTIONS

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

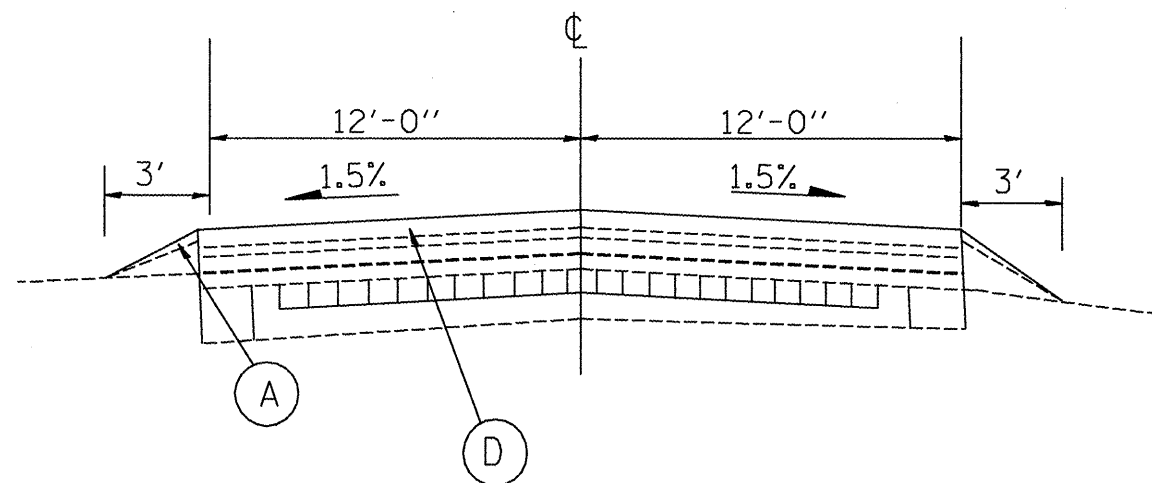
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



STA 56+85 - 77+75  
 STA 241+83 - 285+75  
 STA 291+90 - 308+00  
 STA 313+00 - 319+00  
 STA 332+50 - 351+60

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"

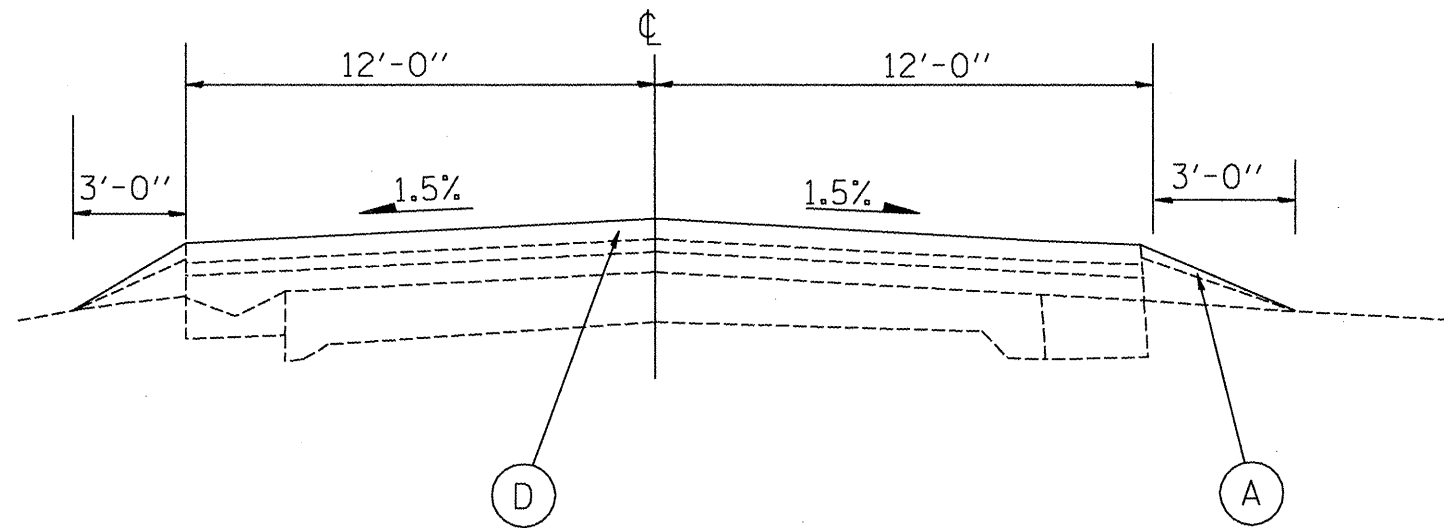


STA 77+75 TO STA 241+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**IL 78 PROPOSED  
 TYPICAL SECTIONS**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

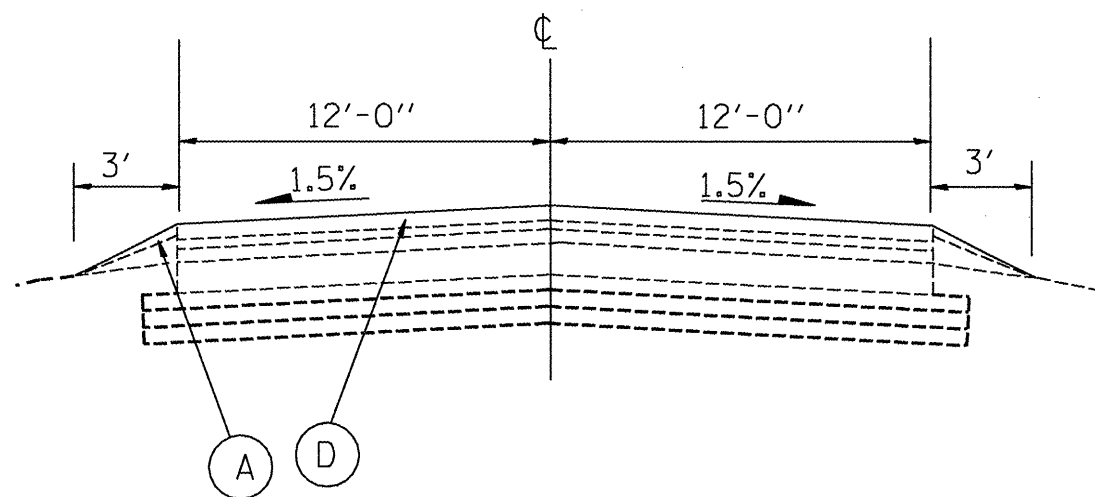
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	-	FULTON	71	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				



STA 241+00 - 241+83  
 STA 285+75 - 291+90  
 STA 308+00 - 313+00

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"



STA 319+00 - 332+50

REVISIONS	
NAME	DATE

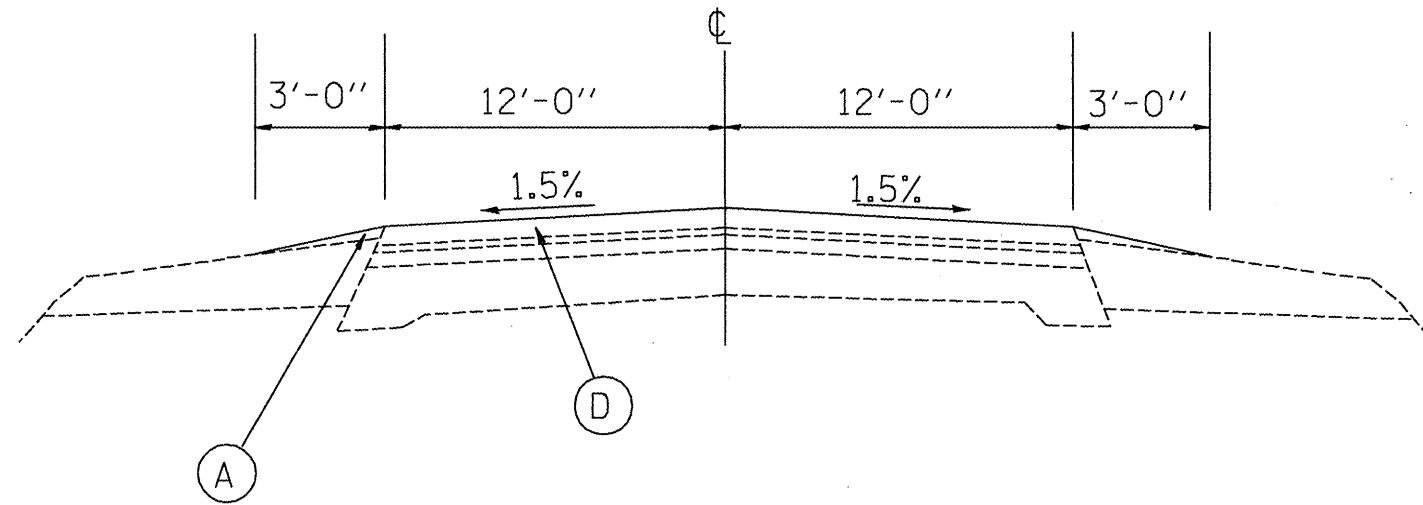
ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL 78 PROPOSED  
 TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

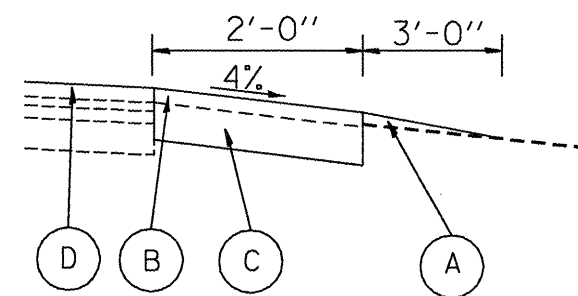
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STA 102+24 - STA 160+25

LEGEND

- (A) PROP AGGREGATE SHOULDERS, TYPE B, WEDGE
- (B) PROP HMA SHOULDERS, 8"
- (C) PROP EARTH EXCAVATION WIDENING, 8"
- (D) PROP HMA SURF CSE, MIX D, N50, 2"



RT STA 239+30 - 261+79  
 RT STA 298+52 - 314+87  
 RT & LT STA 315+38 - 160+25

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 78 PROPOSED  
 TYPICAL SECTIONS

SCALE: VERT. DATE  
 HORIZ. DATE

DRAWN BY  
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				

# SCHEDULE OF QUANTITIES

20200500

EARTH EXCAVATION (WIDENING)	UNIT
LOCATION	CU YD
IL 78: RT Sta. 239+30 TO 261+79	111.62
IL 78: RT Sta. 298+52 TO 314+86.50	81.12
IL 78: RT Sta. 315+63 TO 322+59	34.54
IL 78: LT Sta. 315+64 TO 322+73.50	35.21
IL 78: RT Sta. 323+41.50 TO 338+45	74.62
IL 78: LT Sta. 323+26 TO 351+59.84	140.64
IL 78: RT Sta. 339+55.50 TO 351+59.84	59.77
IL 78: RT Sta. 102+23.63 TO 123+75.70	106.81
IL 78: LT Sta. 102+23.63 TO 109+96.50	38.36
IL 78: LT Sta. 110+83.50 TO 123+76.30	64.16
IL 78: RT Sta. 124+40.30 TO 160+25	177.92
IL 78: LT Sta. 124+39.75 TO 160+25	177.93
<b>TOTAL</b>	<b>1,103 CU YD</b>

28000720

MULCH, METHOD 2	UNIT
LOCATION	ACRE
IL 78: RT Sta. 315+44	0.05
<b>TOTAL</b>	<b>0.05 ACRE</b>

40600895

CONSTRUCTING TEST STRIP	UNIT
LOCATION	EACH
JOBSITE	1
<b>TOTAL</b>	<b>1 EACH</b>

44000400

GUTTER REMOVAL	UNIT
LOCATION	FOOT
IL 78: RT Sta. 241+00 TO 241+83	83
IL 78: RT Sta. 308+00 TO 313+00	500
<b>TOTAL</b>	<b>583 FT</b>

44201803

CLASS D PATCHES, TYPE II, 13 INCH	UNIT
LOCATION	SQ YD
IL 78: Sta. 27+09 TO 36+67	30
IL 78: Sta. 36+67 TO 78+80	51
IL 78: Sta. 78+80 TO 127+41	53
IL 78: Sta. 127+41 TO 185+40	69
IL 78: Sta. 185+40 TO 251+62	88
IL 78: Sta. 251+62 TO 315+25	243
IL 78: Sta. 315+25 TO 330+48	27
IL 78: Sta. 330+48 TO 124+08	54
IL 78: Sta. 124+08 TO 160+25	49
<b>TOTAL</b>	<b>664 SQ YD</b>

44201807

CLASS D PATCHES, TYPE III, 13 INCH	UNIT
LOCATION	SQ YD
IL 78: Sta. 27+09 TO 36+67	33
IL 78: Sta. 36+67 TO 78+80	34
IL 78: Sta. 127+41 TO 185+40	16
IL 78: Sta. 185+40 TO 251+62	101
IL 78: Sta. 251+62 TO 315+25	96
IL 78: Sta. 315+25 TO 330+48	32
IL 78: Sta. 330+48 TO 124+08	36
<b>TOTAL</b>	<b>348 SQ YD</b>

44201809

CLASS D PATCHES, TYPE IV, 13 INCH	UNIT
LOCATION	SQ YD
IL 78: Sta. 27+09 TO 36+67	36
IL 78: Sta. 36+67 TO 78+80	55
IL 78: Sta. 127+41 TO 185+40	101
IL 78: Sta. 185+40 TO 251+62	163
<b>TOTAL</b>	<b>355 SQ YD</b>

54248515

CONCRETE COLLAR	UNIT
LOCATION	EACH
IL 78: RT Sta. 315+44	2
<b>TOTAL</b>	<b>2 EACH</b>

54390230

INSERTION CULVERT LINER 36"	UNIT
LOCATION	FOOT
IL 78: RT Sta. 315+44	55
<b>TOTAL</b>	<b>55 FT</b>

63000001

STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	UNIT
LOCATION	FOOT
IL 78: RT Sta. 261+22.5 TO 266+35	512.5
IL 78: LT Sta. 261+97.5 TO 266+35	437.5
IL 78: RT Sta. 267+65.5 TO 272+78	512.5
IL 78: RT Sta. 267+65.5 TO 272+78	512.5
IL 78: LT Sta. 305+54.5 TO 309+42	387.5
IL 78: RT Sta. 306+87.5 TO 309+43.75	256.25
IL 78: LT Sta. 309+79.5 TO 314+04.5	425
IL 78: RT Sta. 309+81.25 TO 314+31.25	450
IL 78: RT Sta. 314+43.75 TO 315+35	106.25
IL 78: RT Sta. 328+12.5 TO 331+50	337.5
IL 78: LT Sta. 329+22.5 TO 332+60	337.5
<b>TOTAL</b>	<b>4,275 FT</b>

63000025

STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	UNIT
LOCATION	FOOT
IL 78: RT Sta. 309+43.75 TO 309+81.25	37.5
IL 78: LT Sta. 309+42 TO 309+79.5	37.5
IL 78: RT Sta. 314+31.25 TO 314+43.75	12.5
IL 78: LT Sta. 314+04.5 TO 314+17	12.5
<b>TOTAL</b>	<b>100 FT</b>

63000025

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	UNIT
LOCATION	EACH
IL 78: RT Sta. 260+72.5 TO 261+22.5	1
IL 78: LT Sta. 261+47.5 TO 261+97.5	1
IL 78: RT Sta. 266+35 TO 266+85	1
IL 78: LT Sta. 266+35 TO 266+85	1
IL 78: RT Sta. 267+15.5 TO 267+65.5	1
IL 78: LT Sta. 267+15.5 TO 267+65.5	1
IL 78: RT Sta. 272+78 TO 273+28	1
IL 78: LT Sta. 272+78 TO 273+28	1
IL 78: LT Sta. 305+04.5 TO 305+54.5	1
IL 78: RT Sta. 306+37.5 TO 306+87.5	1
IL 78: LT Sta. 314+17 TO 314+67	1
IL 78: RT Sta. 327+62.5 TO 328+12.5	1
IL 78: LT Sta. 328+72.5 TO 329+22.5	1
IL 78: RT Sta. 331+50 TO 332+00	1
IL 78: LT Sta. 332+60 TO 333+10	1
<b>TOTAL</b>	<b>15 EACH</b>

63200310

GUARDRAIL REMOVAL	UNIT
LOCATION	FOOT
IL 78: LT Sta. 263+47.5 TO 266+85	337.5
IL 78: RT Sta. 262+72.5 TO 266+85	412.5
IL 78: LT Sta. 267+15.5 TO 271+78	462.5
IL 78: RT Sta. 267+15.5 TO 271+90.5	475
IL 78: LT Sta. 306+75 TO 310+25	350
IL 78: RT Sta. 308+75 TO 310+25	150
IL 78: LT Sta. 313+00 TO 314+62.5	162.5
IL 78: RT Sta. 313+75 TO 315+46.5	200
IL 78: LT Sta. 329+20 TO 332+20	300
IL 78: RT Sta. 328+70 TO 331+70	300
<b>TOTAL</b>	<b>3,150 FT</b>

67000400

ENGINEER'S FIELD OFFICE, TYPE A	UNIT
LOCATION	CAL MO
JOBSITE	4
<b>TOTAL</b>	<b>4 CAL MO</b>

67100100

MOBILIZATION	UNIT
LOCATION	L SUM
JOBSITE	1
<b>TOTAL</b>	<b>1 L SUM</b>

70100460

TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	UNIT
LOCATION	L SUM
JOBSITE	1
<b>TOTAL</b>	<b>1 L SUM</b>

70100500

TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	UNIT
LOCATION	L SUM
JOBSITE	1
<b>TOTAL</b>	<b>1 L SUM</b>

70100600

TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	UNIT
LOCATION	L SUM
JOBSITE	1
<b>TOTAL</b>	<b>1 L SUM</b>

70102620

TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	UNIT
LOCATION	L SUM
JOBSITE	1
<b>TOTAL</b>	<b>1 L SUM</b>

78200410

GUARDRAIL MARKERS, TYPE A	UNIT
LOCATION	EACH
IL 78: RT Sta. 261+97.5 TO 266+35	5
IL 78: LT Sta. 262+72.5 TO 266+35	4
IL 78: RT Sta. 267+65.5 TO 271+40.5	4
IL 78: LT Sta. 267+65.5 TO 271+28	4
IL 78: LT Sta. 305+54.5 TO 314+17	10
IL 78: RT Sta. 306+87.5 TO 315+35	10
IL 78: LT Sta. 329+20 TO 332+20	4
IL 78: RT Sta. 328+70 TO 331+70	4
<b>TOTAL</b>	<b>45 EACH</b>

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				

# SCHEDULE OF QUANTITIES

7820100

TERMINAL MARKER - DIRECT APPLIED	UNIT
LOCATION	EACH
IL 78: RT Sta. 261+47.5	1
IL 78: LT Sta. 262+22.5	1
IL 78: RT Sta. 266+85	1
IL 78: LT Sta. 266+85	1
IL 78: RT Sta. 267+15.5	1
IL 78: LT Sta. 267+15.5	1
IL 78: RT Sta. 271+90.5	1
IL 78: LT Sta. 271+78	1
IL 78: LT Sta. 305+04.5	1
IL 78: RT Sta. 306+37.5	1
IL 78: LT Sta. 314+67	1
IL 78: RT Sta. 315+48	1
IL 78: LT Sta. 328+70	1
IL 78: RT Sta. 328+20	1
IL 78: LT Sta. 332+70	1
IL 78: RT Sta. 332+20	1
TOTAL	16 EACH

LR631020

TRAFFIC BARRIER TERMINAL, TYPE 1	UNIT
LOCATION	EACH
IL 78: RT Sta. 315+35 TO 315+48	1
TOTAL	1 EACH

X0301512

GUARDRAIL AGGREGATE EROSION CONTROL	UNIT
LOCATION	TON
IL 78: RT Sta. 261+47.5 TO 266+85	26.63
IL 78: LT Sta. 262+22.5 TO 266+85	22.91
IL 78: RT Sta. 267+15.5 TO 271+90.5	23.53
IL 78: LT Sta. 267+15.5 TO 271+78	22.91
IL 78: LT Sta. 305+04.5 TO 314+67	47.68
IL 78: RT Sta. 306+37.5 TO 315+48	46.45
IL 78: LT Sta. 328+70 TO 332+70	19.82
IL 78: RT Sta. 328+20 TO 332+20	19.82
TOTAL	230 TON

50104400

CONCRETE HEADWALL REMOVAL	UNIT
LOCATION	EACH
IL 78: RT Sta. 315+44 (NW CORNER AT DIVISION)	1
TOTAL	1 EACH

66700205

PERMANENT SURVEY MARKERS, TYPE I	UNIT
LOCATION	EACH
IL 78: Sta. 52+22	1
TOTAL	1 EACH

66700605

PERMANENT SURVEY TIES	UNIT
LOCATION	EACH
IL 78: Sta. 52+22	4
TOTAL	4 EACH

70300100

SHORT-TERM PAVEMENT MARKING (2 APPLICATIONS)	UNIT
LOCATION	FOOT
IL 78: Sta. 27+09 TO 174+00	2,938.2
IL 78: Sta. 175+00 TO 262+19	1,743.8
IL 78: Sta. 262+98 TO 351+60	1,772.4
IL 78: Sta. 102+24 TO 160+25	1,160.2
TOTAL	7,615 FT

70301000

WORK ZONE PAVEMENT MARKING REMOVAL	UNIT
LOCATION	FOOT
IL 78: Sta. 27+09 TO 174+00	489.7
IL 78: Sta. 175+00 TO 262+19	290.6
IL 78: Sta. 262+98 TO 351+60	295.4
IL 78: Sta. 102+24 TO 160+25	193.4
TOTAL	1,269 FT

78100100

RAISED REFLECTIVE PAVEMENT MARKER	UNIT
LOCATION	EACH
IL 78: Sta. 27+09 TO 174+00	184
IL 78: Sta. 175+00 TO 262+19	109
IL 78: Sta. 262+98 TO 351+60	111
IL 78: Sta. 102+24 TO 160+25	73
TOTAL	477 EACH

78300200

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	UNIT
LOCATION	EACH
IL 78: Sta. 27+09 TO 174+00	184
IL 78: Sta. 175+00 TO 262+19	109
IL 78: Sta. 262+98 TO 351+60	111
IL 78: Sta. 102+24 TO 160+25	73
TOTAL	477 EACH

48203029

HOT-MIX ASPHALT SHOULDERS, 8"	UNIT
LOCATION	SQ YD
IL 78: RT Sta. 239+30 TO 261+79	499.78
IL 78: RT Sta. 298+52 TO 314+86.50	363.22
IL 78: RT Sta. 315+63 TO 322+59	154.67
IL 78: LT Sta. 315+64 TO 322+73.50	157.67
IL 78: RT Sta. 323+41.50 TO 338+45	334.11
IL 78: LT Sta. 323+26 TO 351+59.84	629.74
IL 78: RT Sta. 339+55.50 TO 351+59.84	267.63
IL 78: RT Sta. 102+23.63 TO 123+75.70	478.24
IL 78: LT Sta. 102+23.63 TO 109+96.50	171.75
IL 78: LT Sta. 110+83.50 TO 123+76.30	287.29
IL 78: RT Sta. 124+40.30 TO 160+25	796.6
IL 78: LT Sta. 124+39.75 TO 160+25	796.72
TOTAL	4,937 SQ YD

70300220

TEMPORARY PAVEMENT MARKING - LINE 4"			
78005110			
EPOXY PAVEMENT MARKING - LINE 4"			
	YELLOW SKIP	YELLOW SOLID	WHITE SOLID
LOCATION	FOOT	FOOT	FOOT
IL 78: Sta. 27+09 TO 31+57	112		896
IL 78: Sta. 31+57 TO 36+71	129	514	1,028
IL 78: Sta. 36+71 TO 41+70	125	499	998
IL 78: Sta. 41+70 TO 46+83	128	513	1,026
IL 78: Sta. 46+83 TO 52+15	133		1,064
IL 78: Sta. 52+15 TO 57+32	129	517	1,034
IL 78: Sta. 57+32 TO 65+83	213	851	1,702
IL 78: Sta. 65+83 TO 73+26	186	743	1,486
IL 78: Sta. 73+26 TO 82+25	1	1,798	1,798
IL 78: Sta. 82+25 TO 91+48	231	923	1,846
IL 78: Sta. 91+48 TO 93+42	49	194	388
IL 78: Sta. 93+42 TO 100+42	175		1,400
IL 78: Sta. 100+42 TO 107+82	185	740	1,480
IL 78: Sta. 107+82 TO 174+00	1,655		13,236
STATION EQUATION			
IL 78: Sta. 175+00 TO 178+40	85		680
IL 78: Sta. 178+40 TO 185+48	177	708	1,416
IL 78: Sta. 185+48 TO 193+78	208	830	1,660
IL 78: Sta. 193+78 TO 241+76	1,200		9,596
IL 78: Sta. 241+76 TO 246+53	119	477	954
IL 78: Sta. 246+53 TO 259+07		2,508	2,508
IL 78: Sta. 259+07 TO 262+19	78	312	624
STATION EQUATION			
IL 78: Sta. 262+98 TO 269+86	172	688	1,376
IL 78: Sta. 269+86 TO 278+97	225	899	1,798
IL 78: Sta. 278+97 TO 342+70		12,746	12,746
IL 78: Sta. 342+70 TO 346+60	98	390	780
IL 78: Sta. 346+60 TO 351+60	125		1,000
STATION EQUATION			
IL 78: Sta. 109+24 TO 160+25	1,450		11,602
SUBTOTALS	7,388	26,850	76,122
TOTAL	110,360 FT		

	28000400	28000500	21400100	20400800	542D1087	54215577	28200200	28100825
	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION	GRADING & SHAPING DITCHES	FURNISHED EXCAVATION	PIPE CULVERTS, CLASS D, TYPE 2, 42"	METAL END SECTIONS, 42"	FILTER FABRIC	STONE DUMPED RIPRAP, CLASS B3
LOCATION	FOOT	EACH	FOOT	CU YD	FOOT	EACH	SQ YD	TON
IL 78: RT Sta. 315+44 (NW CORNER AT DIVISION ST.)	40	1	40	25	20	1	75	25
IL 78: RT Sta. 315+44 (SW CORNER AT DIVISION ST.)	40	1	40	25	20	1	75	25
TOTAL	80 FT	2 EACH	80 FT	50 CU YD	40 FT	2 EACH	150 SQ YD	50 TON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULE OF QUANTITIES

SCALE: VERT. DATE      HORIZ. DATE      DRAWN BY      CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				

# SCHEDULE OF QUANTITIES

## TABULATION OF RESURFACING QUANTITIES

LOCATION	TOTAL ROADWAY WIDTH FT	LENGTH FT	AREA SQ YD	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL 0.75 IN	HMA SURFACE REMOVAL 2 IN	HMA SURFACE REMOVAL (VAR DEPTH)	POLY BIT MATERIALS PRIME COAT	AGGREGATE MATERIALS PRIME COAT	HMA SURF CSE MIX "D" N 50 2 IN	INCIDENTAL HMA SURFACING 2 IN	AGGREGATE SHOULDERS TYPE B			
				SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	LEFT AREA SQ YD	LEFT SIDE TON	RIGHT AREA SQ YD	RIGHT SIDE TON
<b>IL 78 (Mainline)</b>																
STA. 27 + 09 TO 27 + 39	24.75	30.00	82.50	82.50	13.33				0.03	0.17	9.30					
STA. 27 + 39 TO 29 + 70	24.75	231.00	635.25				635.25		0.25	1.27	71.63					
STA. 29 + 70 TO 35 + 00	27.00	530.00	1590.00				1590.00		0.64	3.18	179.18					
STA. 35 + 00 TO 36 + 00	30.50	100.00	338.89				338.89		0.14	0.68	38.16					
STA. 36 + 00 TO 36 + 32	38.00	32.00	135.11				135.11		0.05	0.27	15.20					
STA. 36 + 32 TO 36 + 62	38.00	30.00	126.67	126.67	16.67				0.05	0.25	14.25					
<b>RAILROAD OMMISION</b>																
STA. 36 + 72 TO 37 + 02	38.00	30.00	126.67	126.67	16.67				0.05	0.25	14.25					
STA. 37 + 02 TO 54 + 94	38.00	1792.00	7566.22				7566.22		3.03	15.13	851.13					
STA. 54 + 94 TO 55 + 68	34.50	74.00	283.67				283.67		0.11	0.57	31.92			24.67	1.76	
STA. 55 + 68 TO 56 + 55	31.00	87.00	299.67				299.67		0.12	0.60	33.74			29.00	2.06	
STA. 56 + 55 TO 77 + 75	24.00	2120.00	5853.33			5853.33			2.26	11.31	637.57		706.67	50.30	706.67	50.30
STA. 77 + 75 TO 174 + 00	24.00	9625.00	25666.67			25666.67			10.27	51.33	2894.63		3208.33	228.37	3208.33	228.37
STA. 174+00 = STA. 175+00																
STA. 175 + 00 TO 241 + 00	24.00	6600.00	17600.00			17600.00			7.04	35.20	1984.89		2200.00	156.60	2200.00	156.60
STA. 241 + 00 TO 241 + 83	24.00	83.00	221.33			221.33			0.09	0.44	24.96		27.67	1.97	27.67	1.97
STA. 241 + 83 TO 262 + 19	24.00	2036.00	5429.33			5429.33			2.17	10.86	612.31		678.67	48.31	678.67	48.31
STA. 262+19 = STA. 262+98																
STA. 262 + 98 TO 285 + 75	24.00	2277.00	6072.00			6072.00			2.43	12.14	684.79		759.00	54.03	759.00	54.03
STA. 285 + 75 TO 291 + 90	24.00	615.00	1840.00			1840.00			0.66	3.28	184.96		205.00	14.59	205.00	14.59
STA. 291 + 90 TO 308 + 00	24.00	1610.00	4293.33			4293.33			1.72	8.59	484.19		536.67	38.20	536.67	38.20
STA. 308 + 00 TO 313 + 00	24.00	500.00	1333.33			1333.33			0.53	2.67	150.37		166.67	11.86	166.67	11.86
STA. 313 + 00 TO 314 + 82	24.00	182.00	485.33			485.33			0.19	0.97	54.73		60.67	4.32	60.67	4.32
STA. 314 + 82 TO 315 + 68	24.00	86.00	229.33			229.33			0.09	0.46	25.86		28.67	2.04	28.67	2.04
STA. 315 + 68 TO 322 + 51	24.00	683.00	1821.33			1821.33			0.73	3.64	205.41		227.67	16.21	227.67	16.21
STA. 322 + 51 TO 326 + 68	24.00	417.00	1112.00			1112.00			0.44	2.22	125.41		139.00	9.89	139.00	9.89
STA. 326 + 68 TO 329 + 88	24.00	320.00	853.33					853.33	0.34	1.71	96.24		106.67	7.59	106.67	7.59
STA. 329 + 88 TO 331 + 88	24.00	200.00	533.33				533.33		0.21	1.07	60.15		66.67	4.75	66.67	4.75
STA. 331 + 88 TO 335 + 08	24.00	320.00	853.33					853.33	0.34	1.71	96.24		106.67	7.59	106.67	7.59
STA. 335 + 08 TO 351 + 60	24.00	1652.00	4405.33			3872.00			1.76	8.81	496.82		550.67	39.20	550.67	39.20
STA. 351+60 = STA. 102+24																
STA. 102 + 24 TO 159 + 95	22.00	5771.00	14106.89			14106.89			5.64	28.21	1591.94		1923.67	136.93	1923.67	136.93
STA. 159 + 95 TO 160 + 25	22.00	30.00	73.33	73.33	13.33	73.33			0.03	0.15	8.28		10.00	0.71	10.00	0.71
<b>Sideroads</b>																
E. Vernon St.			250.56	45.56	17.78		250.56		0.10	0.50		28.06				
W. Vernon St.			155.56	38.89	11.11		155.56		0.06	0.31		17.42				
Mornari St.			55.56	55.56	27.78	55.56			0.02	0.11		6.22		3.33	0.24	
Ryer Rd.			161.00	76.67	36.67	161.00			0.06	0.32		18.03	7.00	0.50		
E. 3400N			222.22	88.89	33.33	222.22			0.09	0.44		24.89	8.33	0.59		
W. 3400N			222.22	88.89	33.33	222.22			0.09	0.44		24.89		8.33	0.59	
Autumn Rd.			174.17	52.78	13.89	174.17			0.07	0.35		19.51	11.00	0.78		
E. Cottonwood Rd.			194.33	58.89	12.22	194.33			0.08	0.39		21.76	11.00	0.78		
W. Cottonwood Rd.			201.67	61.11	14.44	201.67			0.08	0.40		22.59		11.00	0.78	
Blue Spruce Ln.			162.44	47.78	11.11	162.44			0.06	0.32		18.19	11.33	0.81		
Owens Rd.			254.22	57.78	10.00	254.22			0.10	0.51		28.47	14.67	1.04		
Division St.			180.00	60.00	12.22	180.00			0.07	0.36		20.16		10.00	0.71	
Delost Ln.			63.78	45.56	12.22	63.78			0.03	0.13		7.14	4.67	0.33		
N. Norris Rd.			108.89	77.78	23.33	108.89			0.04	0.22		12.20		4.67	0.33	
<b>GRAND-TOTAL</b>				<b>1,265</b>	<b>329</b>	<b>91,610</b>	<b>11,788</b>	<b>1,707</b>	<b>42.4</b>	<b>211.9</b>	<b>11,679</b>	<b>270</b>	<b>838</b>	<b>840</b>		

PRIME COAT CONVERSION FACTORS		
SURFACE TYPE	BIT PR COAT	AGG PR COAT
	(GAL/SQ YD)	(LB/SQ YD)
COLD MILLED SURFACES	0.1	4
EXISTING PAVEMENT	0.05	4
NEW BITUMINOUS COURSES	0.03	2

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
BIT. SURF. COURSES	112 LB /SQ YD/IN
ALL OTHER BIT.	112 LB /SQ YD/IN
AGGREGATE SHOULDERS	2.05 TONS/CUYD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULE OF QUANTITIES

SCALE: VERT. DATE  
HORIZ. DATE

DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				

# SCHEDULE OF QUANTITIES

## TABULATION OF RESURFACING QUANTITIES

LOCATION	TOTAL ROADWAY WIDTH FT	LENGTH FT	AREA SQ YD	HMA SURFACE REMOVAL BUTT JOINT SQ YD	TEMPORARY RAMP SQ YD	HMA SURFACE REMOVAL 0.75 IN SQ YD	HMA SURFACE REMOVAL 2 IN SQ YD	HMA SURFACE REMOVAL (VAR DEPTH) SQ YD	POLY BIT MATERIALS PRIME COAT TON	AGGREGATE MATERIALS PRIME COAT TON	HMA SURF CSE MIX "D" N 50 2 IN TON	INCIDENTAL HMA SURFACING 2 IN TON	AGGREGATE SHOULDERS TYPE B			
													LEFT AREA SQ YD	LEFT SIDE TON	RIGHT AREA SQ YD	RIGHT SIDE TON
S. Norris Rd.			433.83	76.11	13.33	433.83			0.17	0.87		48.59	8.33	0.59	19.00	1.35
E. Brereton Rd.			150.00	60.00	14.44	150.00			0.06	0.30		16.80				
W. Brereton Rd.			129.17	51.67	12.78	129.17			0.05	0.26		14.47			8.33	0.59
<b>Entrances and Turnouts</b>																
5 Commercial Entrances			139.11			139.11			0.06	0.28		15.58				
42 Private Ent./Mailbox Turnouts			1032.20			1032.20			0.41	2.06		115.61				
<b>SUB-TOTAL</b>				187.78	40.55	1,884.31			0.75	3.77		211.04	8.33	0.59	27.33	1.95
<b>SUB-TOTAL (FROM SHEET 21 )</b>				1,265.28	329.43	91,610.06	11,788.26	1,706.67	42.39	211.95	11,678.51	269.54		838.29		839.93
<b>GRAND-TOTAL</b>				<b>1,453</b>	<b>370</b>	<b>93,494</b>	<b>11,788</b>	<b>1,707</b>	<b>43</b>	<b>216</b>	<b>11,679</b>	<b>481</b>		<b>839</b>		<b>842</b>

SURFACE TYPE	BIT PR COAT (GAL/SQ YD)	AGG PR COAT (LB/SQ YD)
COLD MILLED SURFACES	0.1	4
EXISTING PAVEMENT	0.05	4
NEW BITUMINOUS COURSES	0.03	2

SURFACE TYPE	CONVERSION FACTOR
BIT. SURF. COURSES	112 LB /SQ YD/IN
ALL OTHER BIT.	112 LB /SQ YD/IN
AGGREGATE SHOULDERS	2.05 TONS/CUYD

NAME	DATE

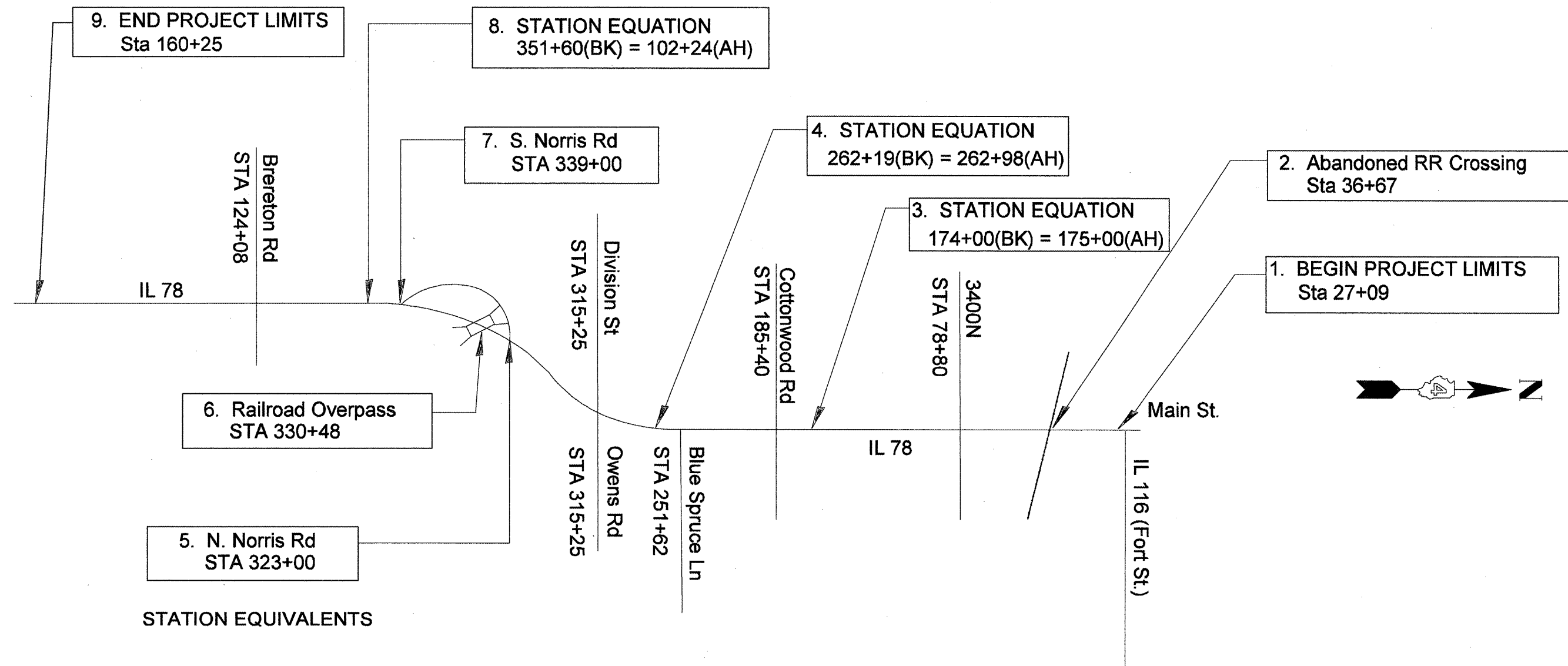
ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULE OF QUANTITIES

SCALE: VERT. DATE      HORIZ. DATE      DRAWN BY      CHECKED BY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STATION EQUIVALENTS

1. Begin Project Sta. 50+809(METRIC) = Sta 27+09(ENG)
2. Abandoned RR Crossing Sta. 50+520(METRIC) = Sta 36+37(ENG)
3. Station Equation - Sta. 174+00(BK) = Sta. 175+00(AH) (ENG)
4. Station Equation - Sta. 262+19(BK) = Sta. 262+98(AH) (ENG)
5. N. Norris Rd. Sta 41+958(METRIC) = Sta 323+00(ENG)
6. RR OVERPASS Sta 41+733(METRIC) = Sta 330+48(ENG)
7. S. Norris Rd. Sta. 41+476(METRIC) = Sta 339+00(ENG)
8. Station Equation - Sta. 351+60(BK) = Sta. 102+24(AH) (ENG)
9. End Project Sta. 39+467(METRIC) = Sta 160+25(ENG)

REVISIONS	
NAME	DATE

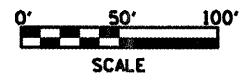
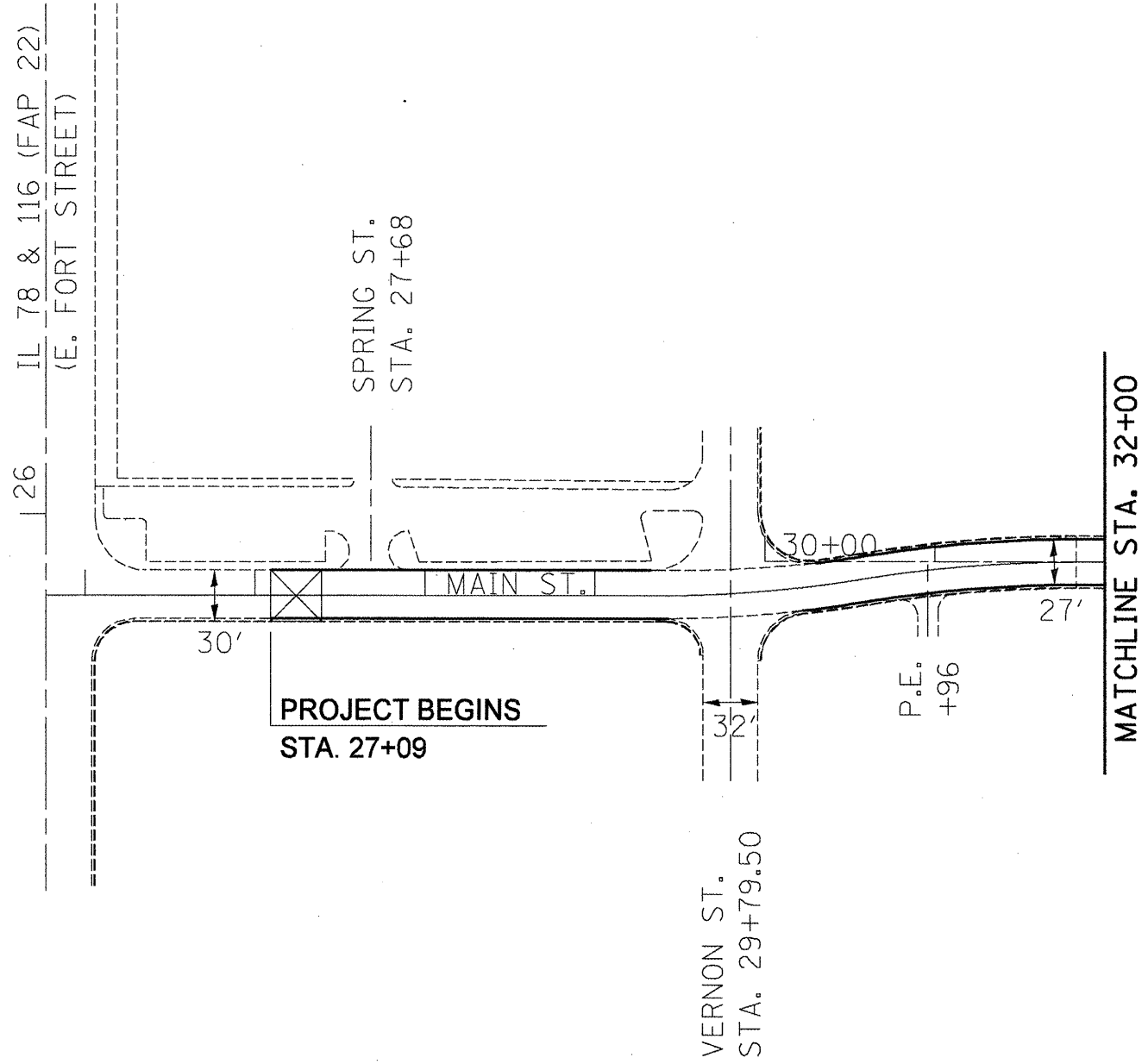
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LINE DIAGRAM**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

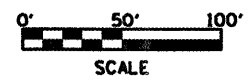
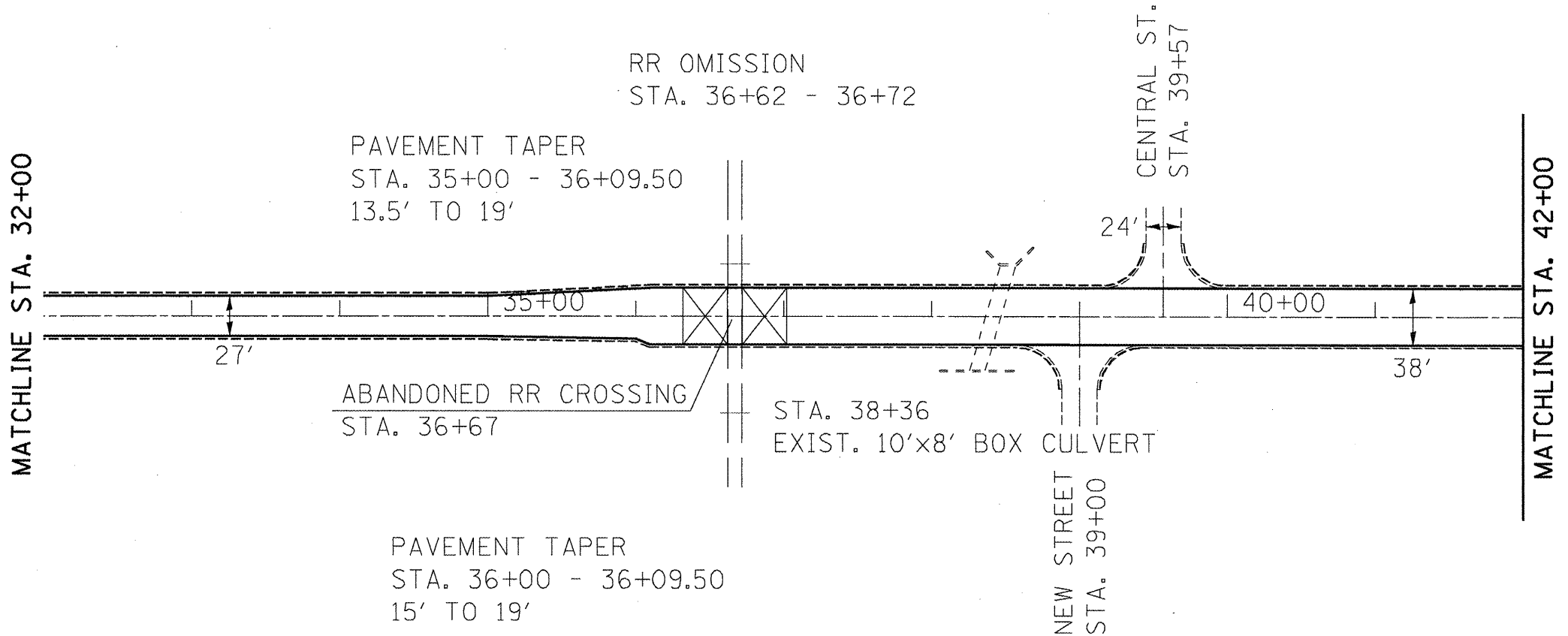
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

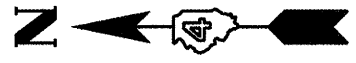
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 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 2/18/2009  
 FILE NAME = p1340139  
 FILE SIZE = 744771 IN.  
 USER NAME = bshubert

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 42+00

PRAIRIE ST.  
STA. 45+57  
24'

45+00

50+00



SECTION MARKER  
STA. 52+22

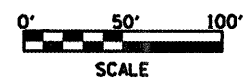
55+00

38'

PAVEMENT TAPER  
STA. 54+94 - 55+68  
19' TO 12'

MATCHLINE STA. 56+00

31'



PLOT DATE = 2/19/2009  
FILE NAME = 616611.dgn  
SCALE = 1/2"=1'-0"  
USER NAME = bshannon

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

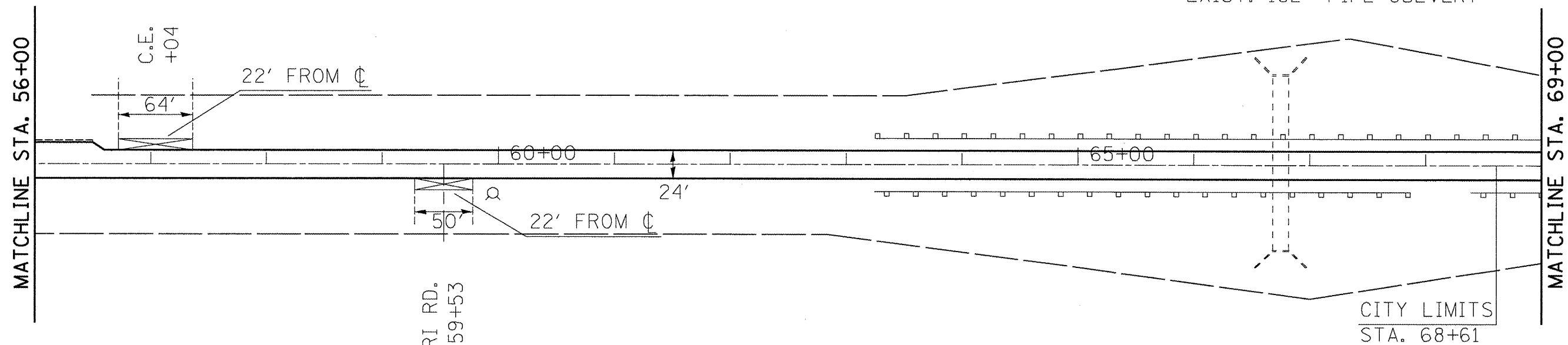
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



PAVEMENT TAPER  
 STA. 56+50 - 56+60  
 31' TO 24'

NURSING HOME

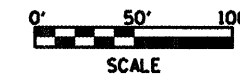
STA. 66+78.90  
 EXIST. 162" PIPE CULVERT



MONARI RD.  
 STA. 59+53

CITY LIMITS  
 STA. 68+61

EXISTING GUARDRAIL  
 LT STA. 63+25 - 70+77  
 RT STA. 63+24.50 - 67+87  
 RT STA. 68+39.50 - 70+77



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

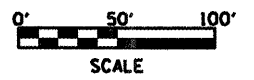
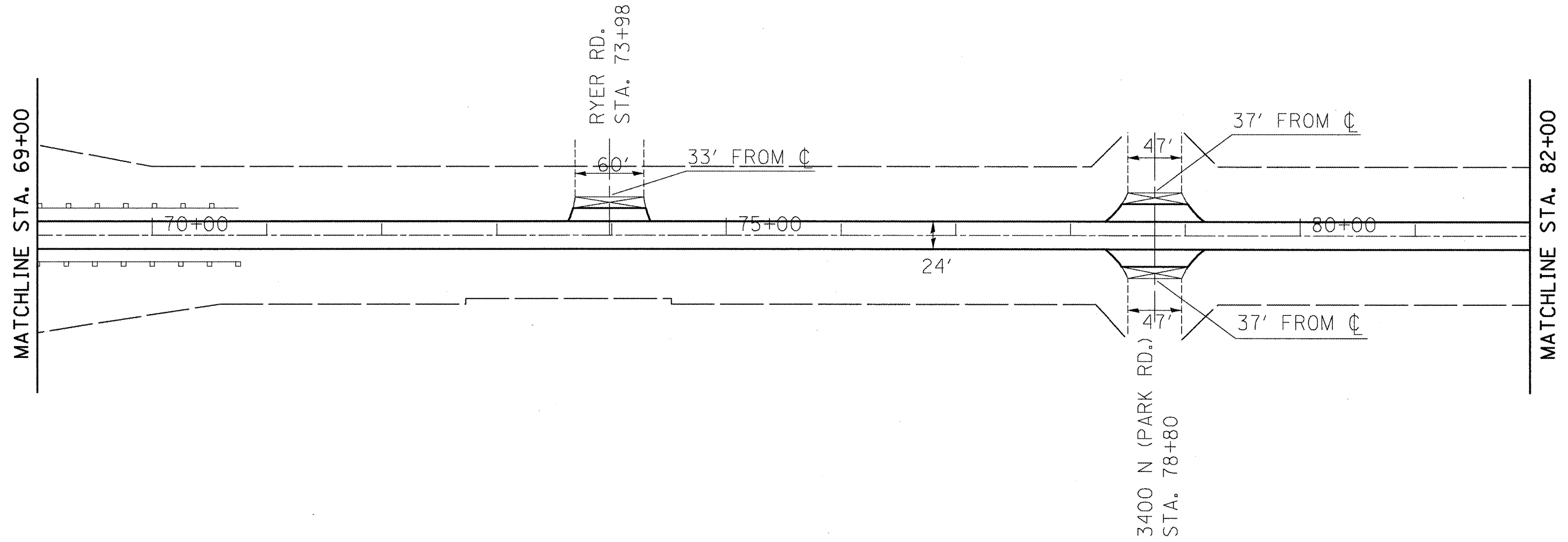
PLAN SHEET

SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/19/2009  
 PLOT NAME = 68516.dgn  
 PLOT SCALE = 1/8" = 100'  
 USER NAME = mshah@idot

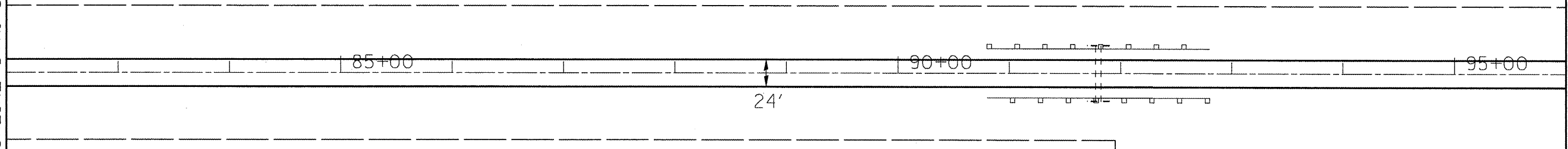
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 82+00

MATCHLINE STA. 96+00

EXISTING GUARDRAIL  
 LT STA. 90+50 - 92+50  
 RT STA. 90+50 - 92+50



STA. 91+50  
 EXIST. 5'x5' BOX CULVERT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

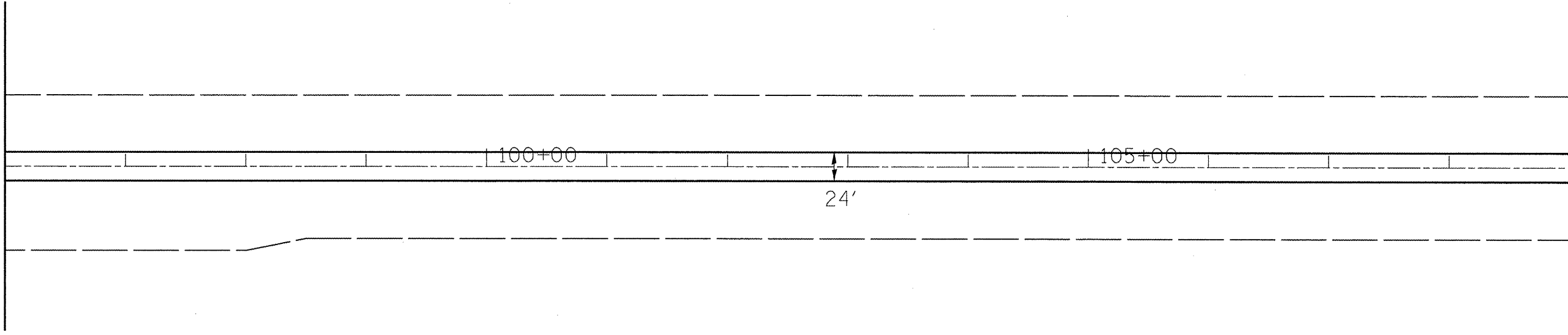
DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

CONTRACT NO. 68516

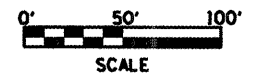
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	32
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 96+00



MATCHLINE STA. 109+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### PLAN SHEET

SCALE: VERT.  
DATE:           HORIZ.

DRAWN BY  
CHECKED BY

PLOT DATE = 2/10/2009  
 FILE NAME = 68516.dwg  
 FILE SCALE = 1/8" = 1' / IN.  
 USER NAME = msh10rsh

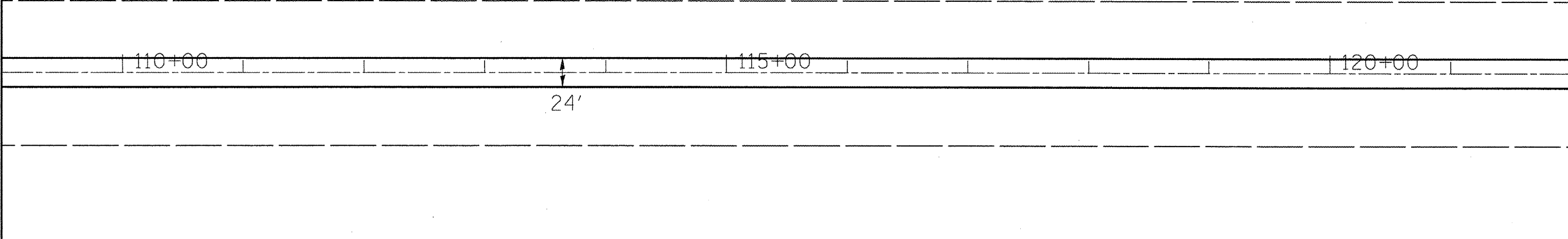


CONTRACT NO. 68516

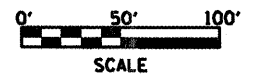
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	33
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 109+00



MATCHLINE STA. 122+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

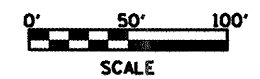
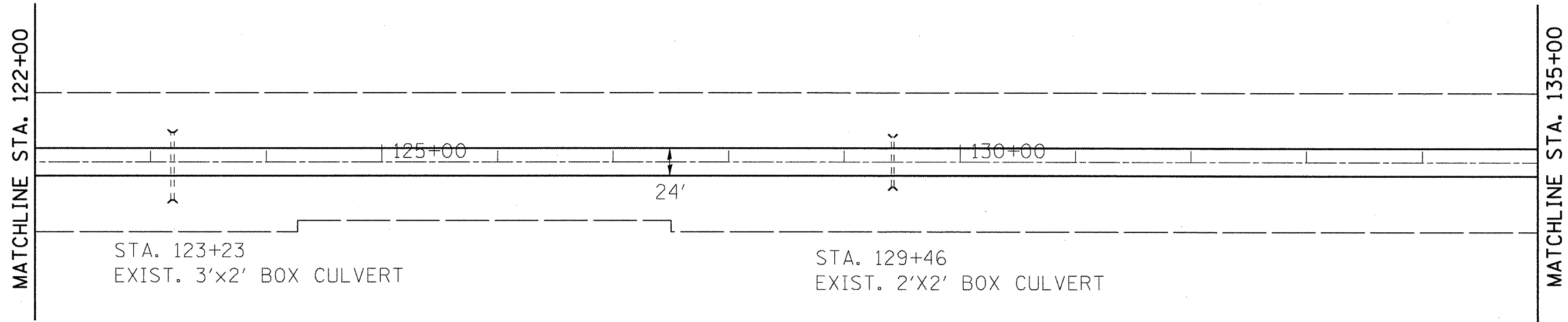
### PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/18/2009  
 FILE NAME = 010010.dwg  
 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = swh3n3ch

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

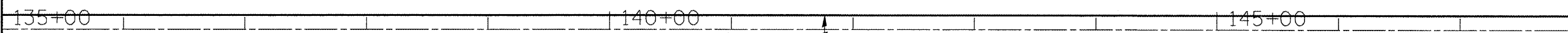
PLOT DATE = 2/18/2009  
 FILE NAME = p10n10dgn  
 USER NAME = swhurch

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 135+00



MATCHLINE STA. 148+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### PLAN SHEET

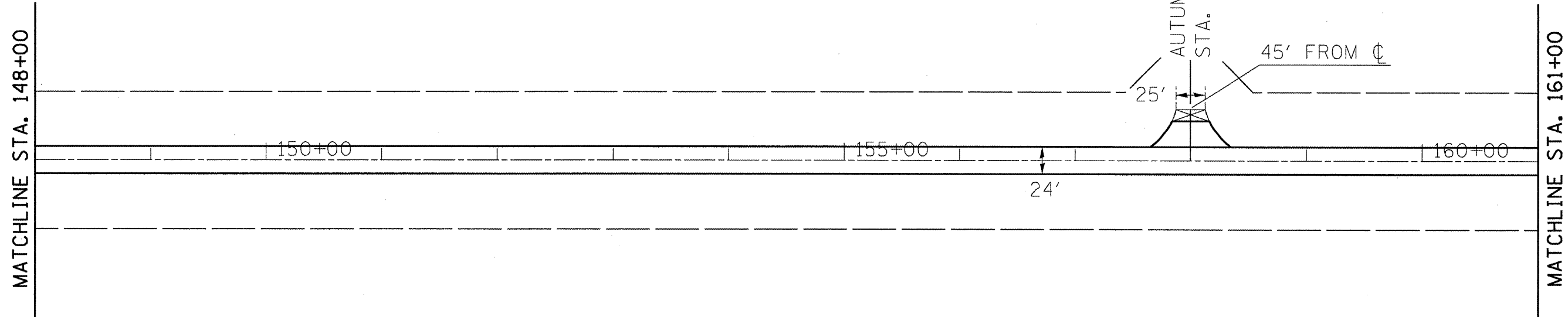
SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY

PLOT DATE = 2/10/2009  
 PLOT SCALE = 1/4" = 100'  
 USER NAME = msharsh

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

### PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/18/2009  
 FILE NAME = 68516.dgn  
 PLOT SCALE = 1/4" = 100'  
 USER NAME = mshah@idot

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 161+00

STA. 161+37  
EXIST. 2'X2' BOX CULVERT

STA. 165+73  
EXIST. 18" PIPE CULVERT

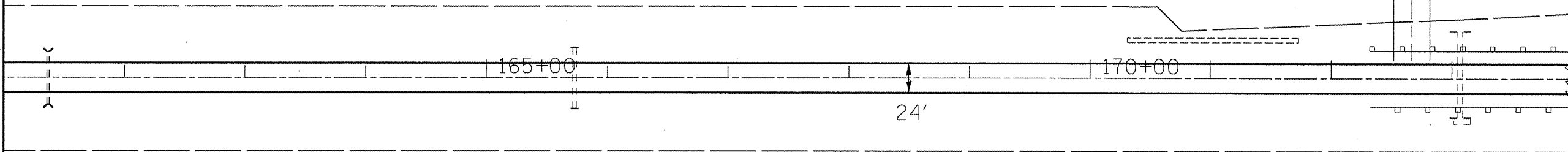
STA. 173+07  
EXIST. 4'X4' BOX CULVERT  
W/DROP BOX

MATCHLINE STA. 174+00

EXISTING GUARDRAIL =  
LT STA. 173+32 - 176+32  
RT STA. 173+32 - 176+32

RETAINING WALL  
Sta. 170+31 - 171+73

EQUATION:  
Sta 174+00.00 BK  
Sta 175+00.00 AH



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

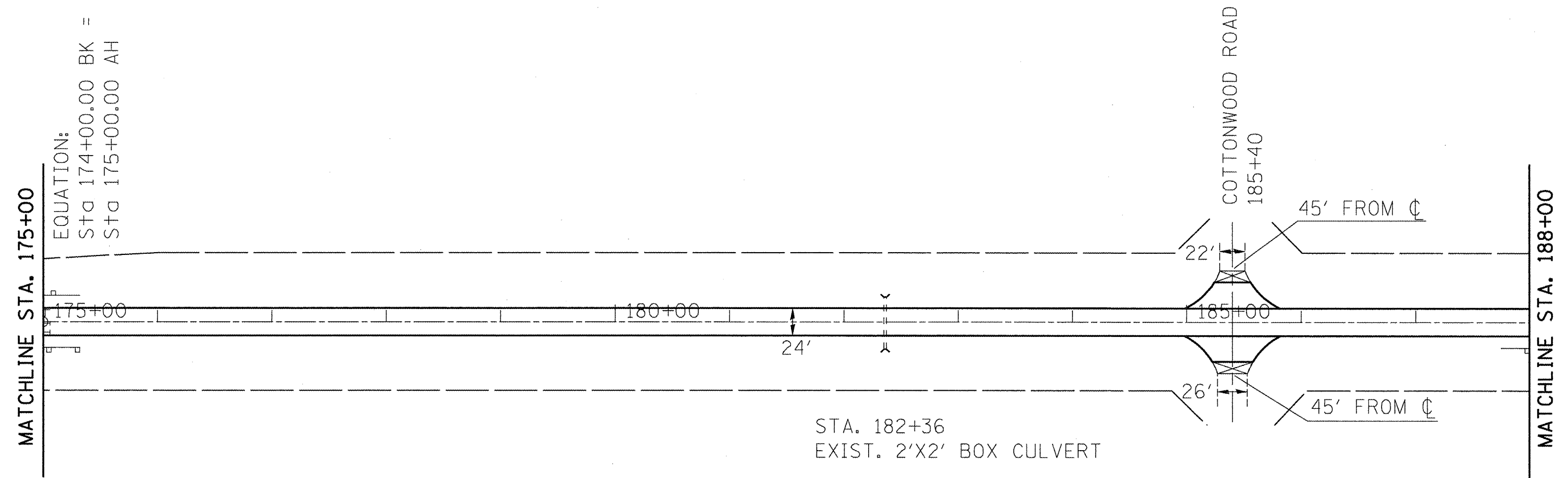
PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/19/2009  
FILE NAME = 61681dgp  
FILE SIZE = 10117 / IN.  
USER NAME = mhshrcn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 175+00

EQUATION:  
Sta 174+00.00 BK =  
Sta 175+00.00 AH

175+00

180+00

24'

185+00

22'

45' FROM C

COTTONWOOD ROAD  
185+40

STA. 182+36  
EXIST. 2'X2' BOX CULVERT

45' FROM C

MATCHLINE STA. 188+00



PLOT DATE = 2/18/2009  
DRAWN BY = [unreadable]  
FILE NAME = [unreadable].dwg  
USER NAME = [unreadable]

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

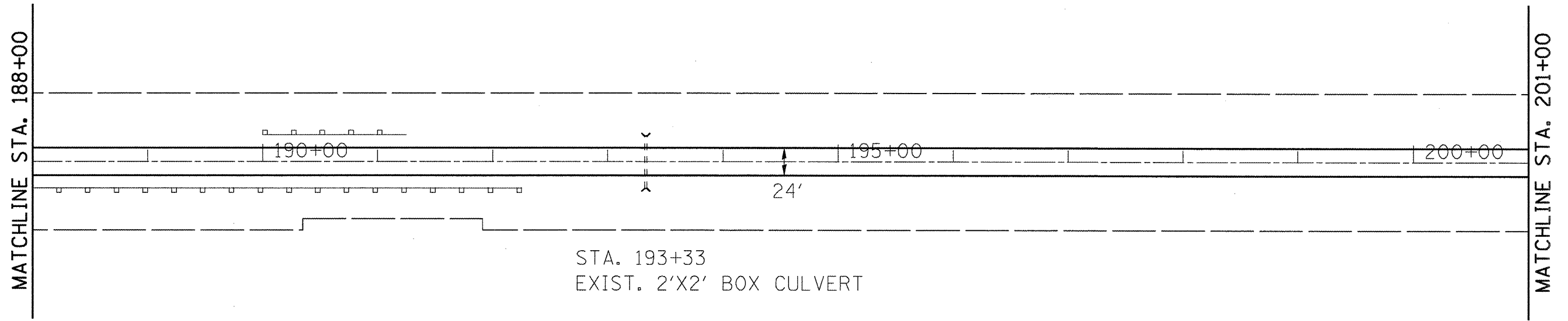
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

CONTRACT NO. 68516

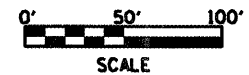
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	39

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

• 133RS-3;134RS-2;135RS-5



STA. 193+33  
EXIST. 2'X2' BOX CULVERT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### PLAN SHEET

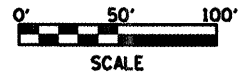
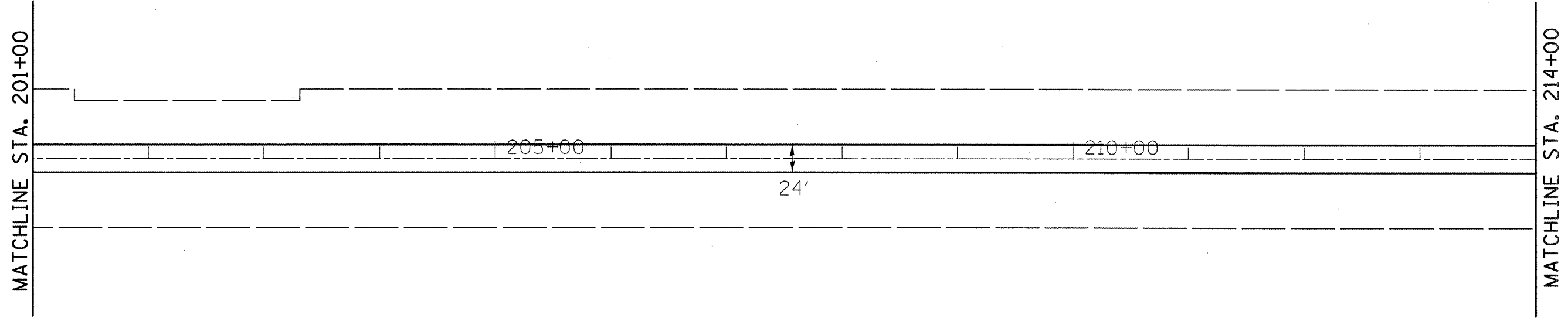
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/18/2009  
FILE NAME = planbldg  
USER NAME = swhrncn

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	.	FULTON	71	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### PLAN SHEET

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/19/2009  
FILE NAME = p10a11.dgn  
SCALE = 1/2" = 100'  
USER NAME = amheron

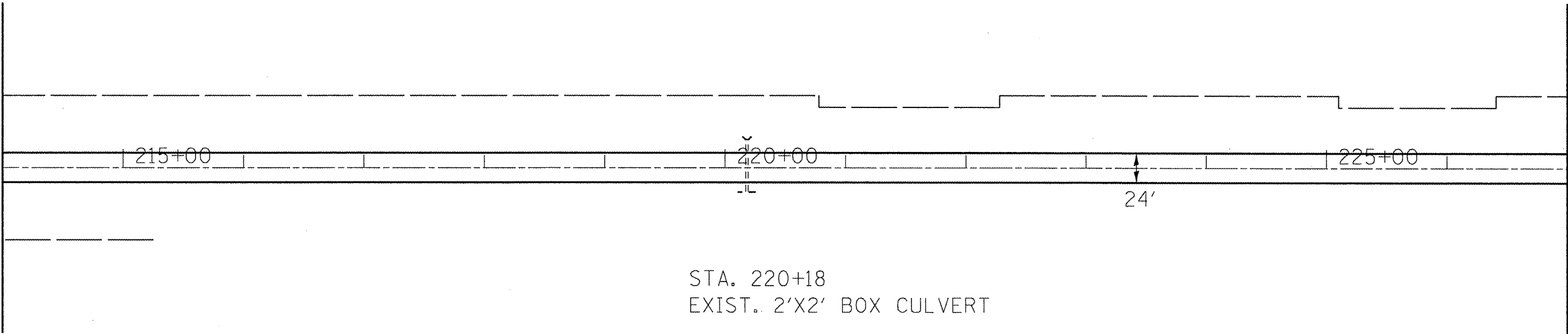


CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	41
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 214+00



STA. 220+18  
EXIST. 2'X2' BOX CULVERT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

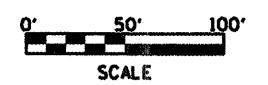
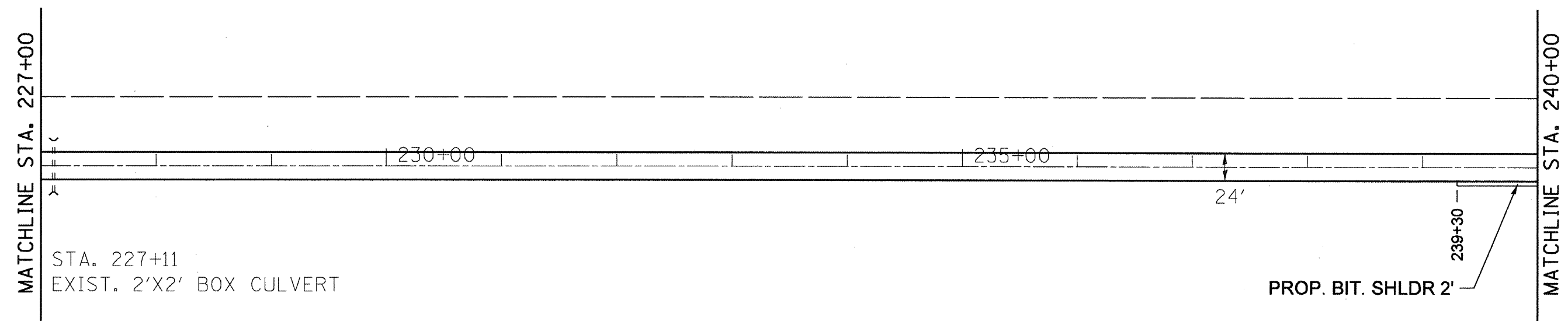
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/18/2009  
FILE NAME = 010601.dgn  
USER NAME = mshindorh

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* 133RS-3;134RS-2;135RS-5



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

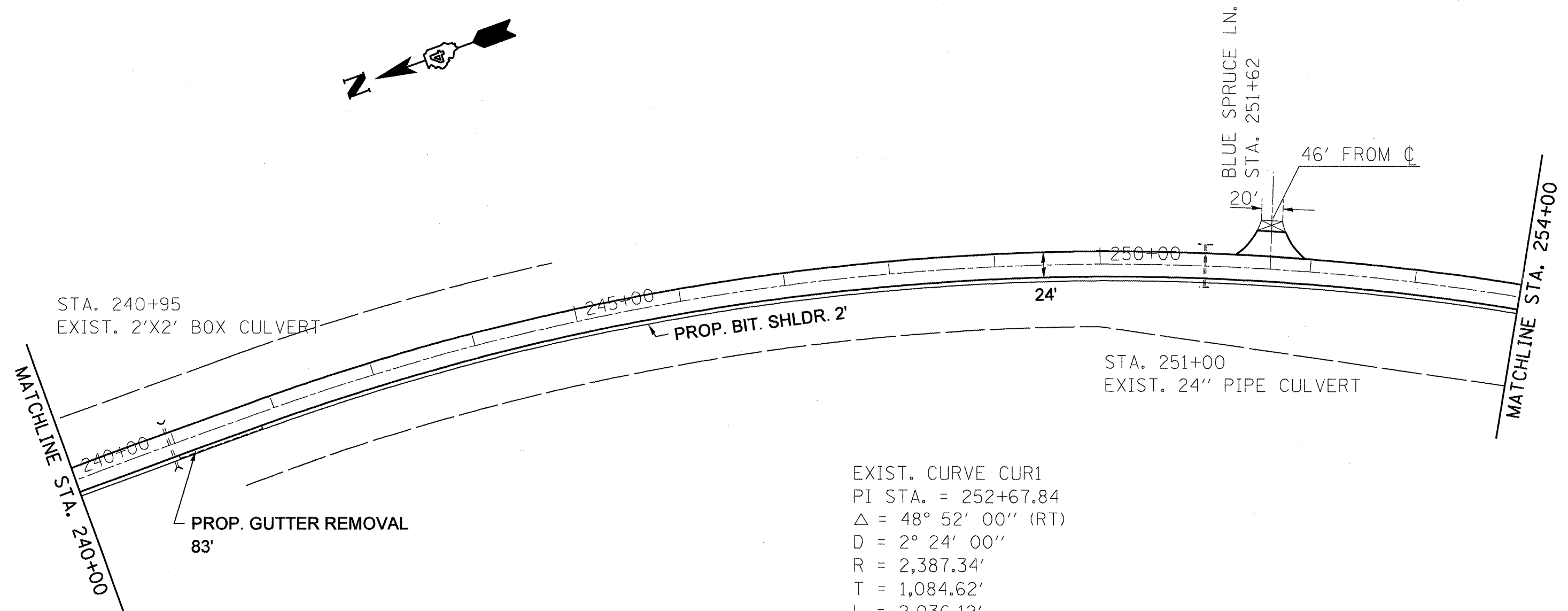
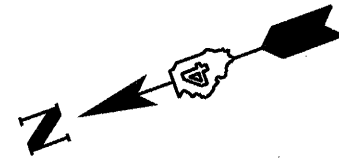
**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22		FULTON	71	43
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



STA. 240+95  
EXIST. 2'X2' BOX CULVERT

PROP. BIT. SHLDR. 2'

24'

STA. 251+00  
EXIST. 24" PIPE CULVERT

BLUE SPRUCE LN.  
20'  
STA. 251+62

46' FROM C

MATCHLINE STA. 254+00

MATCHLINE STA. 240+00

PROP. GUTTER REMOVAL  
83'

EXIST. CURVE CUR1  
PI STA. = 252+67.84  
 $\Delta = 48^\circ 52' 00''$  (RT)  
 $D = 2^\circ 24' 00''$   
 $R = 2,387.34'$   
 $T = 1,084.62'$   
 $L = 2,036.12'$   
 $E = 234.83'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
P.C. STA. = 241+83.22  
P.T. STA. = 262+19.34



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

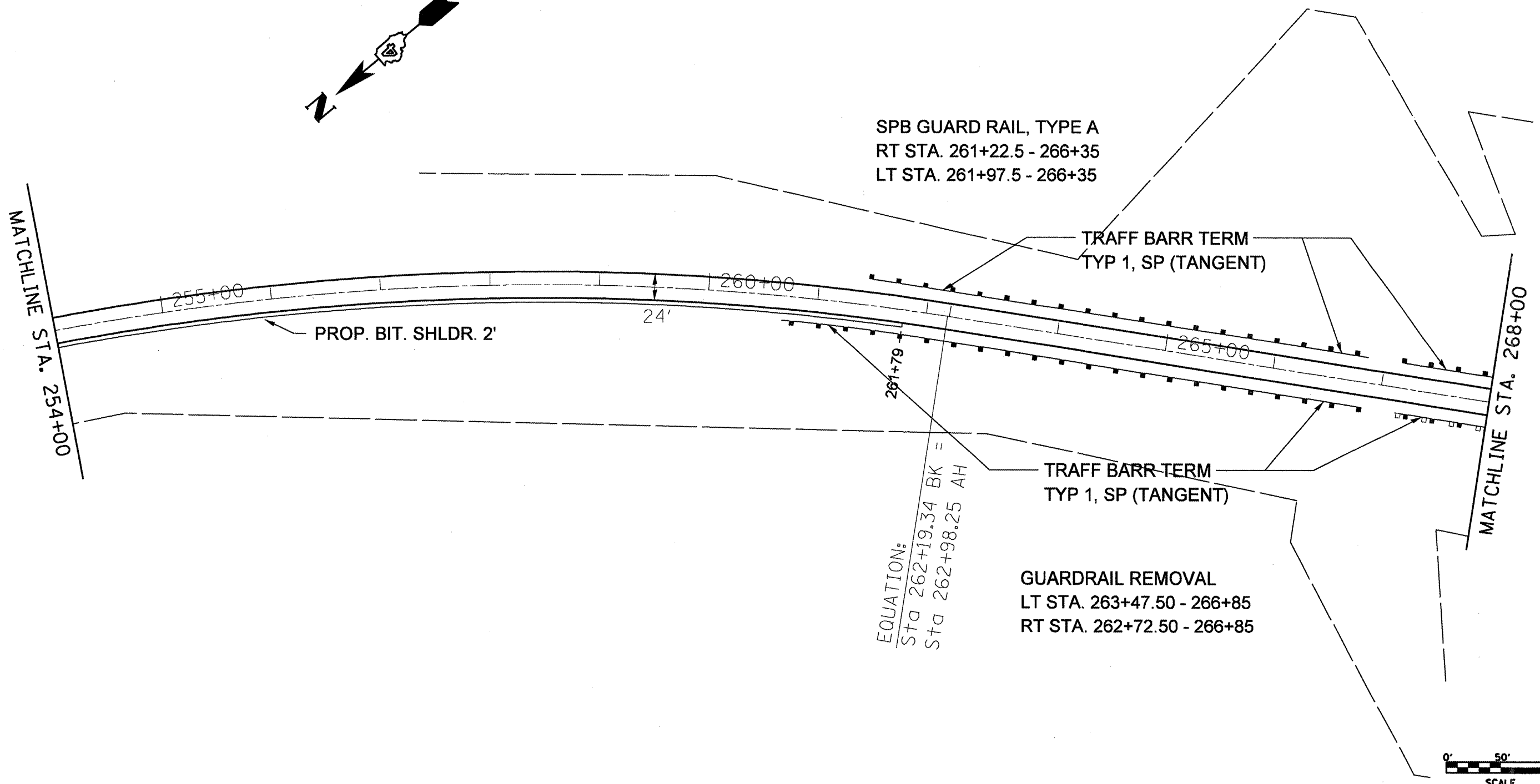
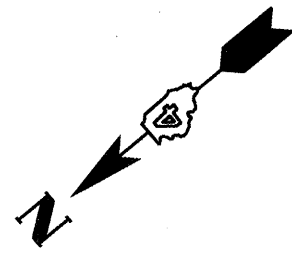
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 2/19/2009  
FILE NAME = 68516.dwg  
USER NAME = mskm06h

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



SPB GUARD RAIL, TYPE A  
 RT STA. 261+22.5 - 266+35  
 LT STA. 261+97.5 - 266+35

TRAFF BARR TERM  
 TYP 1, SP (TANGENT)

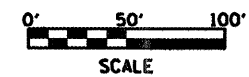
PROP. BIT. SHLDR. 2'

24'

TRAFF BARR TERM  
 TYP 1, SP (TANGENT)

GUARDRAIL REMOVAL  
 LT STA. 263+47.50 - 266+85  
 RT STA. 262+72.50 - 266+85

EQUATION:  
 Sta 262+19.34 BK =  
 Sta 262+98.25 AH



PLOT DATE = 2/18/2009  
 FILE NAME = 68516.dwg  
 FILE NO. = 134RS-2  
 USER NAME = 211101001

REVISIONS	
NAME	DATE

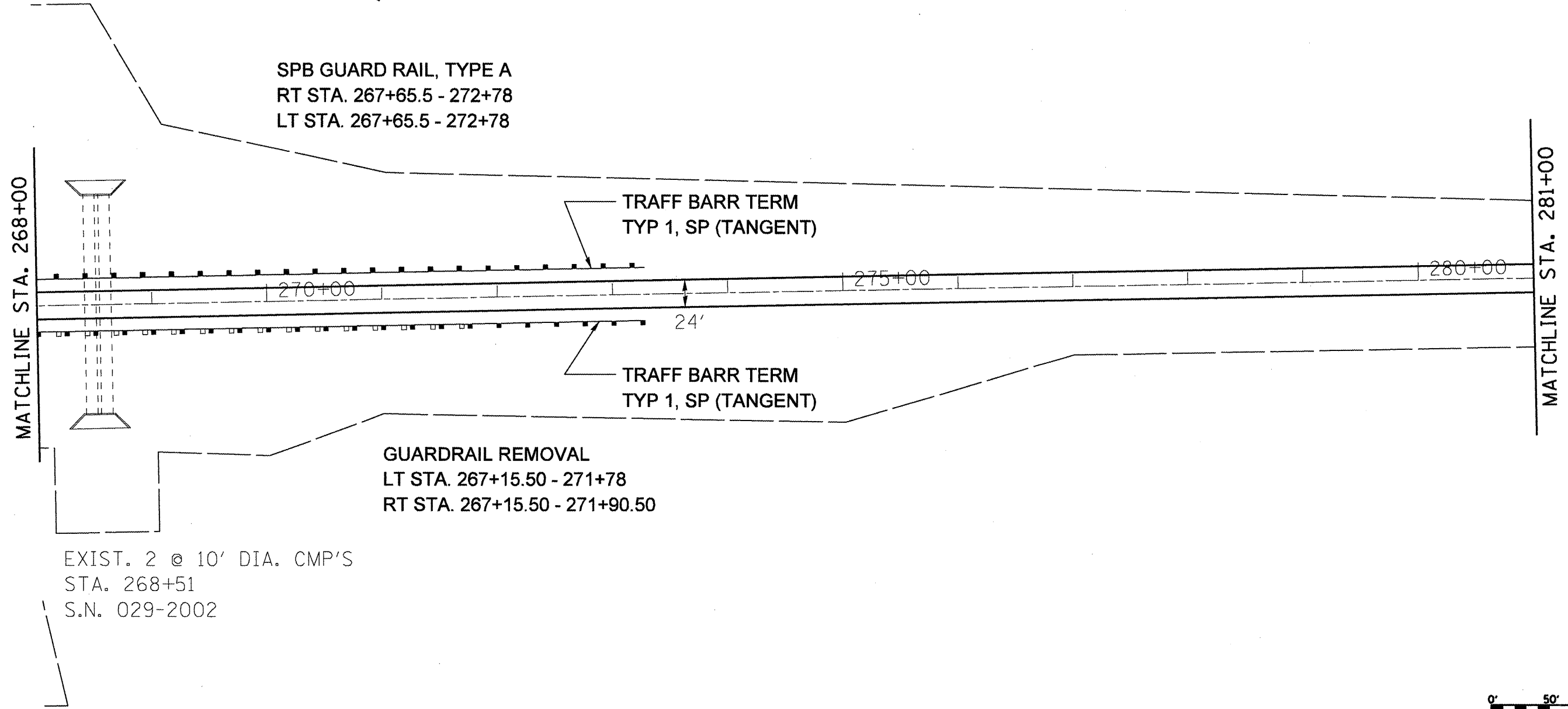
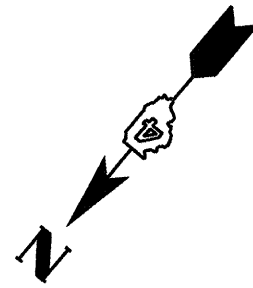
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	•	FULTON	71	45
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 268+00

MATCHLINE STA. 281+00

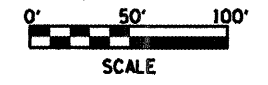
SPB GUARD RAIL, TYPE A  
RT STA. 267+65.5 - 272+78  
LT STA. 267+65.5 - 272+78

TRAFF BARR TERM  
TYP 1, SP (TANGENT)

TRAFF BARR TERM  
TYP 1, SP (TANGENT)

GUARDRAIL REMOVAL  
LT STA. 267+15.50 - 271+78  
RT STA. 267+15.50 - 271+90.50

EXIST. 2 @ 10' DIA. CMP'S  
STA. 268+51  
S.N. 029-2002



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

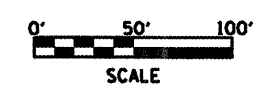
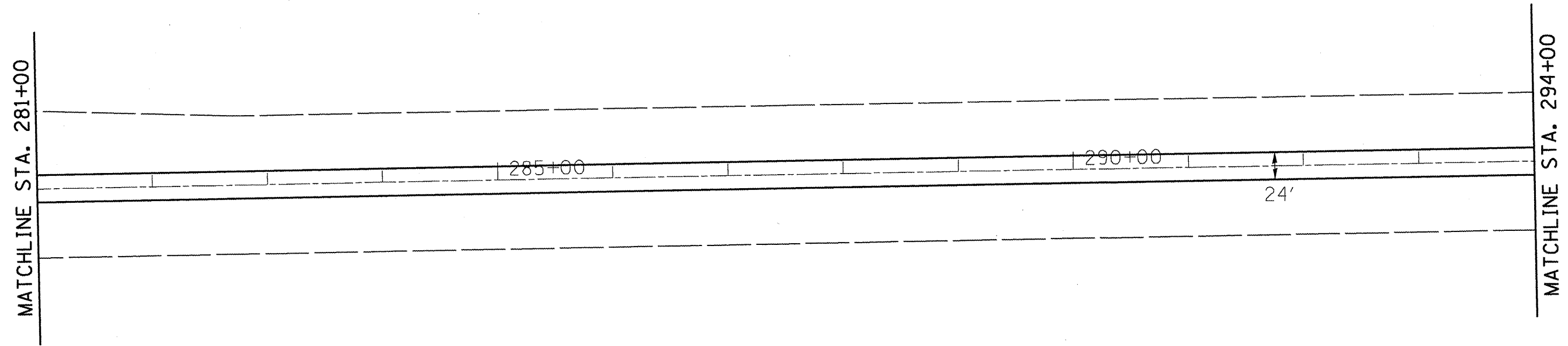
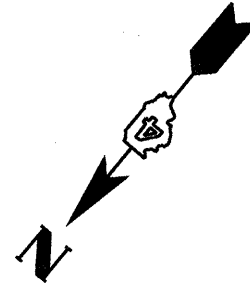
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 2/19/2009  
FILE NAME = p10m1097  
PLOT SCALE = 1/8"=1'-0"  
USER NAME = s10m1097

CONTRACT NO. 68516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

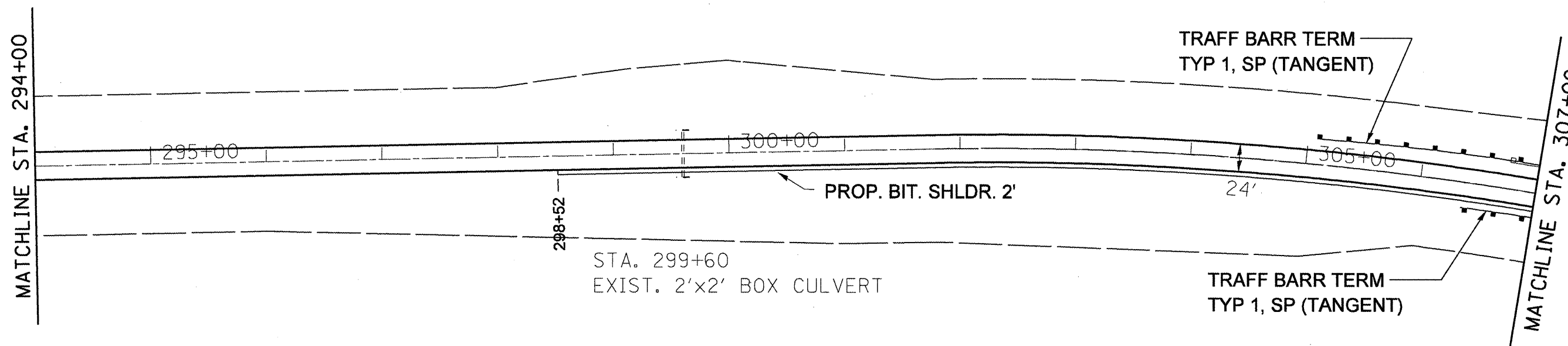
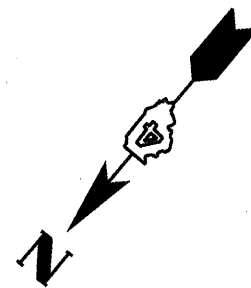
DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 2/19/2009  
 FILE NAME = planblgdr  
 USER = j28471 / JN  
 USER NAME = j28471

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• 133RS-3;134RS-2;135RS-5

EXIST. CURVE CUR2  
 PI STA. = 305+64.40  
 $\Delta = 15^\circ 21' 00''$  (RT)  
 $D = 2^\circ 00' 00''$   
 $R = 2,864.77'$   
 $T = 386.06'$   
 $L = 767.50'$   
 $E = 25.90'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 301+78.34  
 P.T. STA. = 309+45.84



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

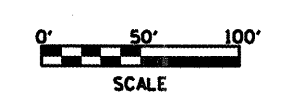
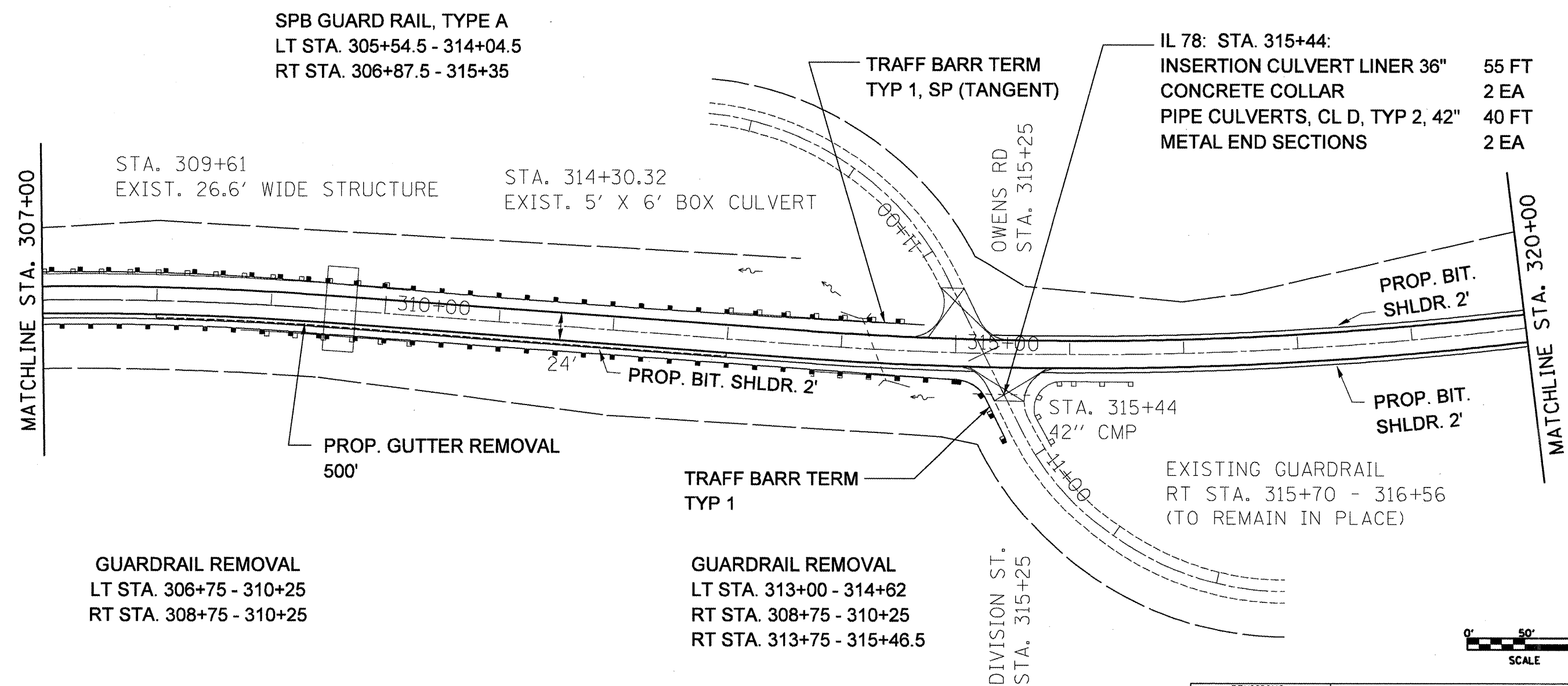
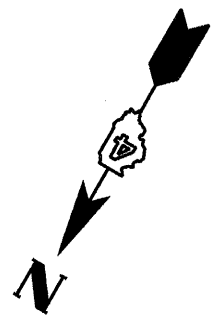
PLAN SHEET

SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

PLOT DATE = 2/18/2009  
 PLOT SCALE = 1/4" = 100'  
 USER NAME = srbhrcd

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

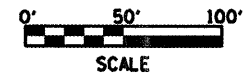
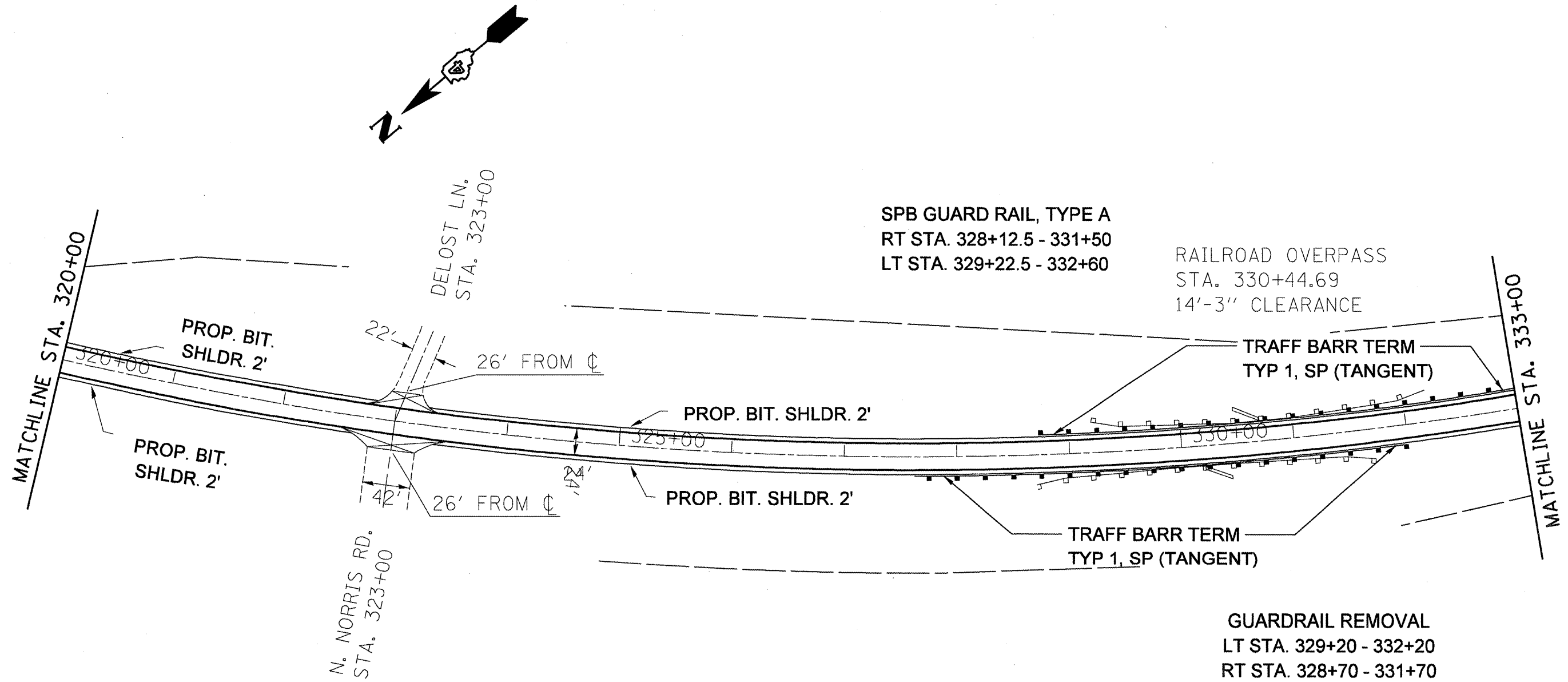
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 2/19/2009  
FILE NAME = 68516.dgn  
SCALE = 1/4" = 100'  
USER NAME = sbrnrc08



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

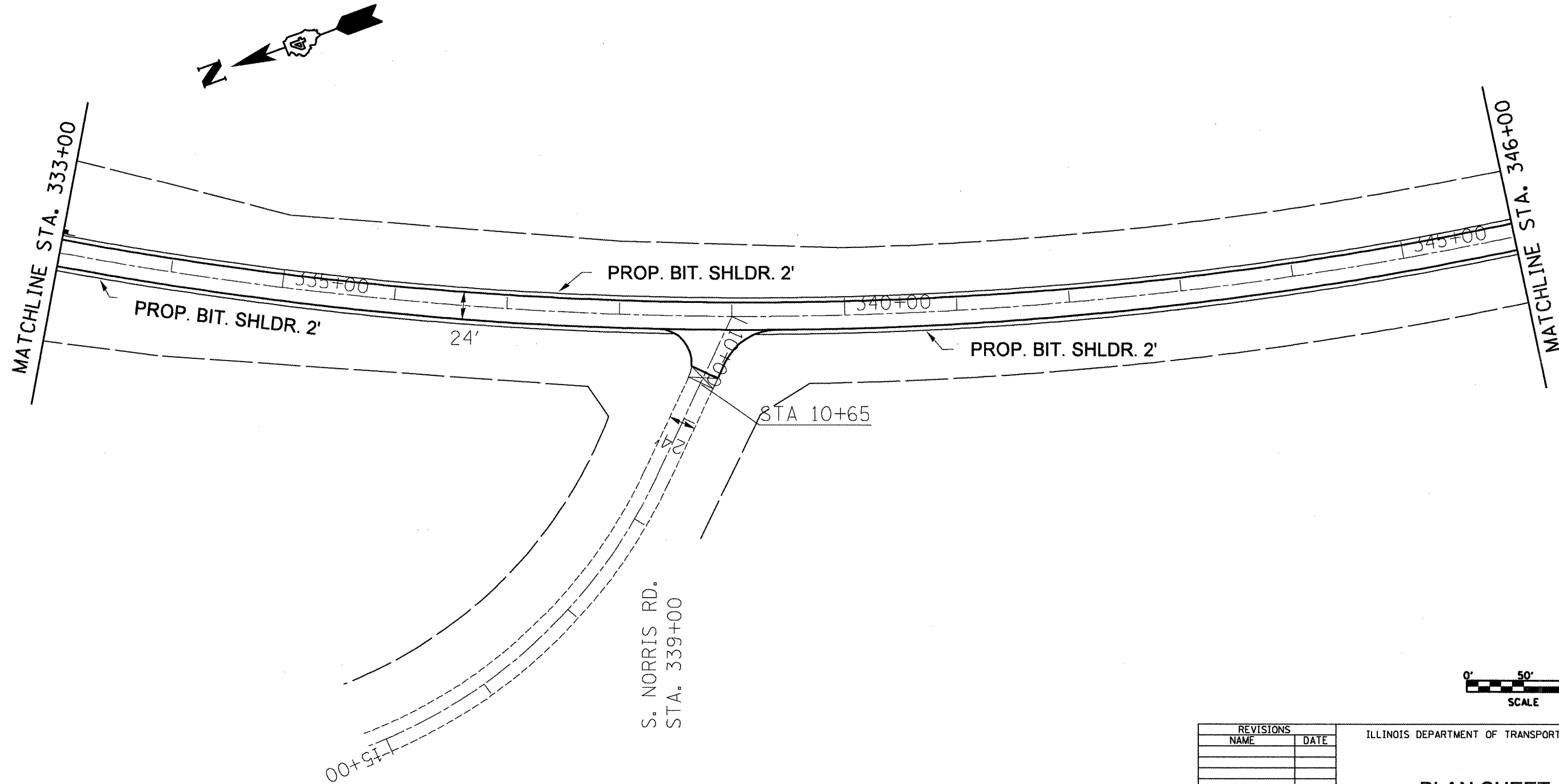
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 2/18/2009  
FILE NAME = 68516.dwg  
USER NAME = 68516.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

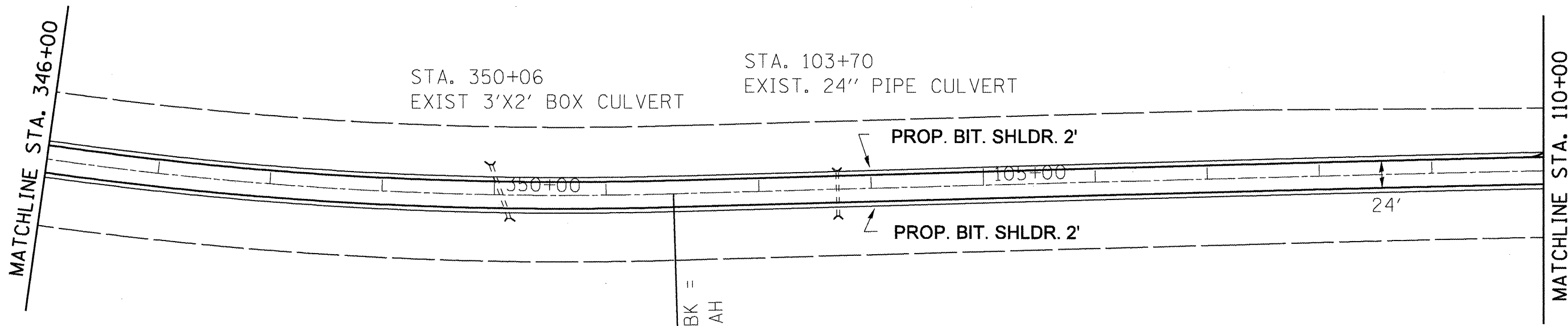
**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

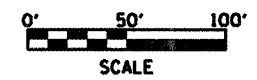
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 2/18/2009  
FILE NAME = plan01.dwg  
PLOT SCALE = 1/8"=1'-0"  
USER NAME = jstevenson

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 133RS-3;134RS-2;135RS-5				



EQUATION:  
Sta 351+59.84 BK =  
Sta 102+23.63 AH



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

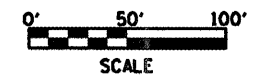
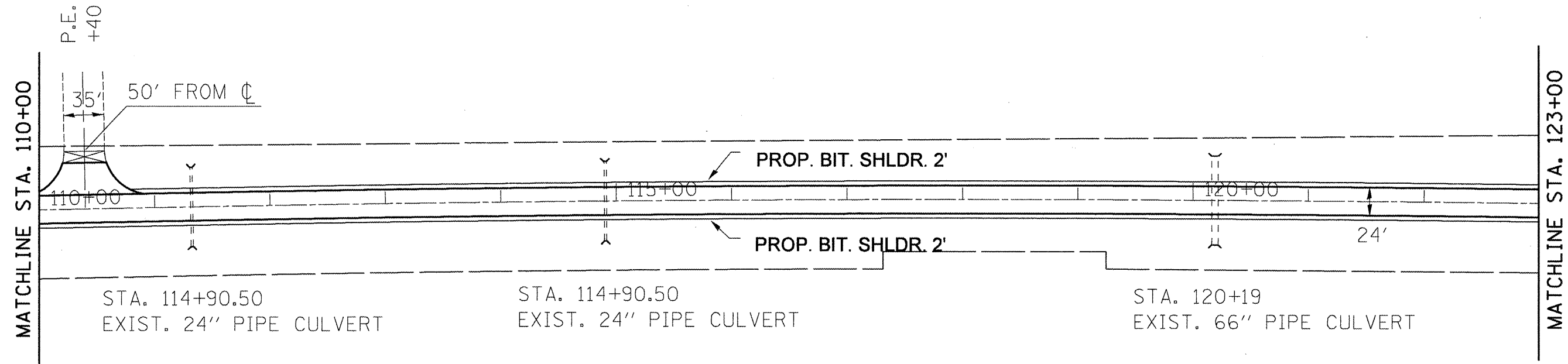
SCALE: VERT.      DRAWN BY  
 HORIZ.              CHECKED BY  
 DATE

PLOT DATE = 2/19/2009  
 FILE NAME = d1a9d1.dgn  
 SCALE = 1/2" = 1' / IN.  
 USER NAME = bshaharich

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	52
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



PSCHIRRE ASPHALT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

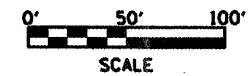
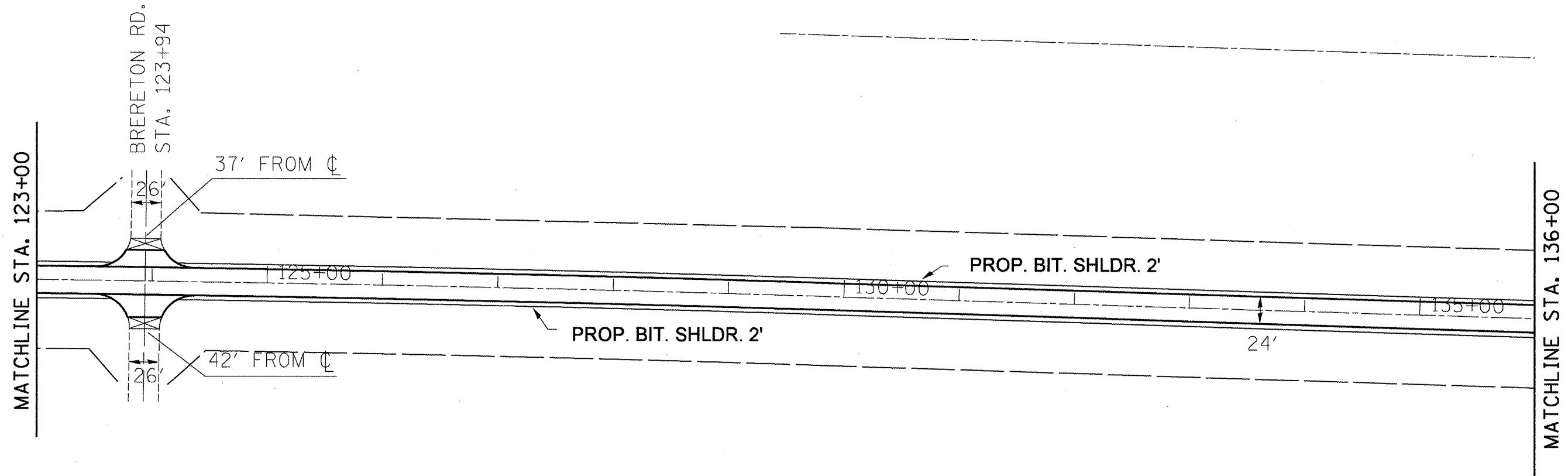
SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 2/10/2009  
 FILE NAME = planbldg.dgn  
 USER = msharph  
 SCALE = 1/4" = 100'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 133RS-3;134RS-2;135RS-5				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

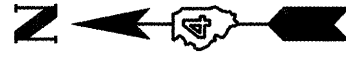
**PLAN SHEET**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 2/10/2009  
 FILE NAME = 6168516.dwg  
 PLOT SCALE = 1/4" = 100'  
 USER NAME = mshubert

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



MATCHLINE STA. 136+00

STA. 140+52  
EXIST. 3'x2' BOX CULVERT

PROP. BIT. SHLDR. 2'

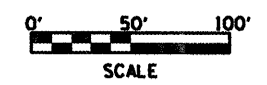
140+00

145+00

PROP. BIT. SHLDR. 2'

24'

MATCHLINE STA. 149+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

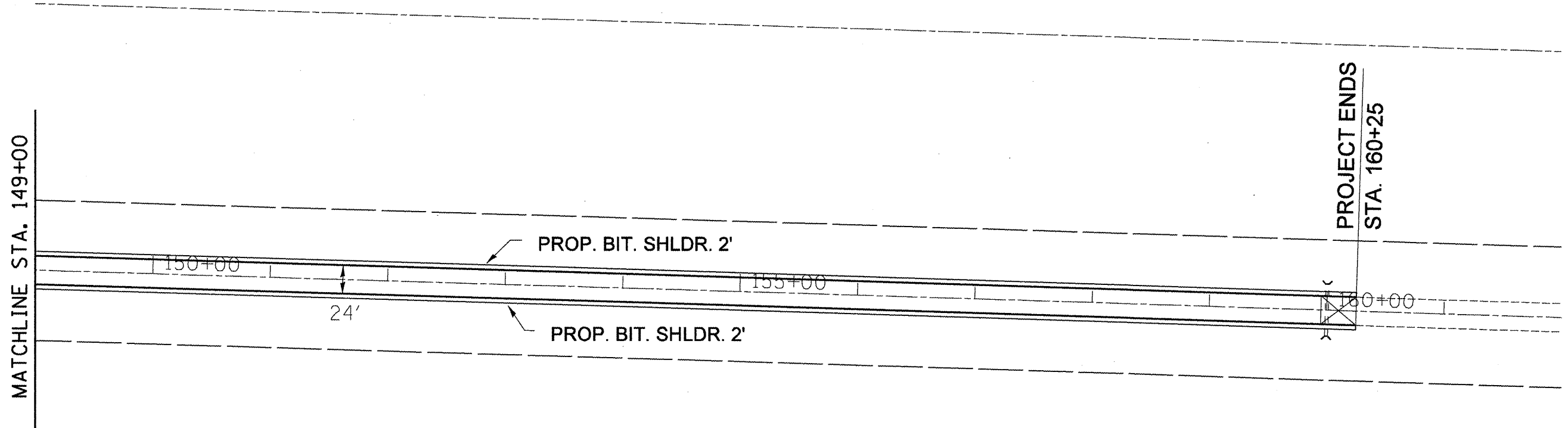
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

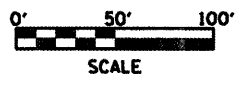
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 2/19/2009  
FILE NAME = p14001.dgn  
PLOT NAME = 973471  
USER NAME = sushorich

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	55
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



STA. 160+00  
EXIST. 30" PIPE CULVERT



REVISIONS	
NAME	DATE

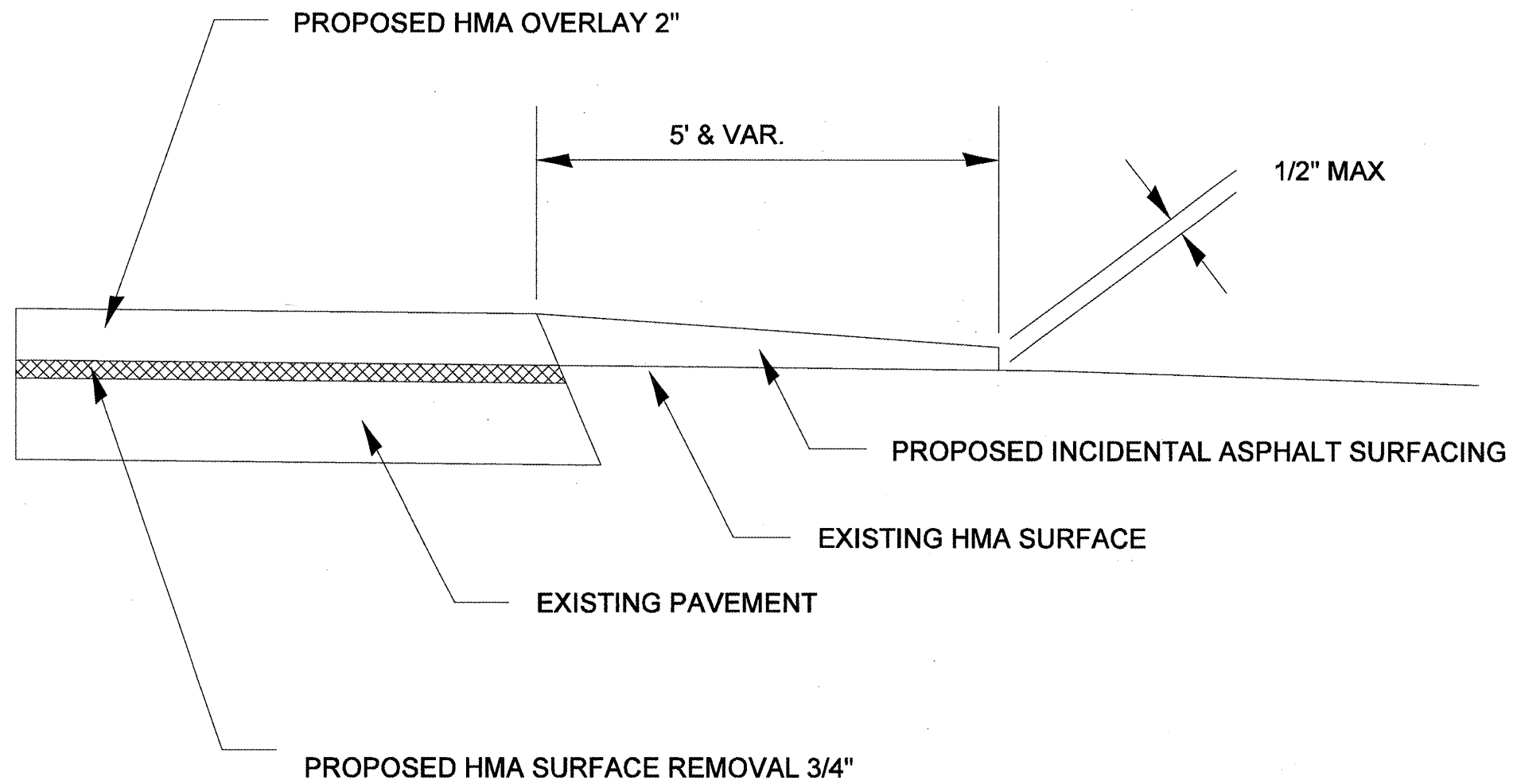
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET**

SCALE: VERT.      DRAWN BY  
 HORIZ.              CHECKED BY  
 DATE

PLOT DATE = 2/19/2009  
 FILE NAME = plan01.dwg  
 USER NAME = jsharper

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				

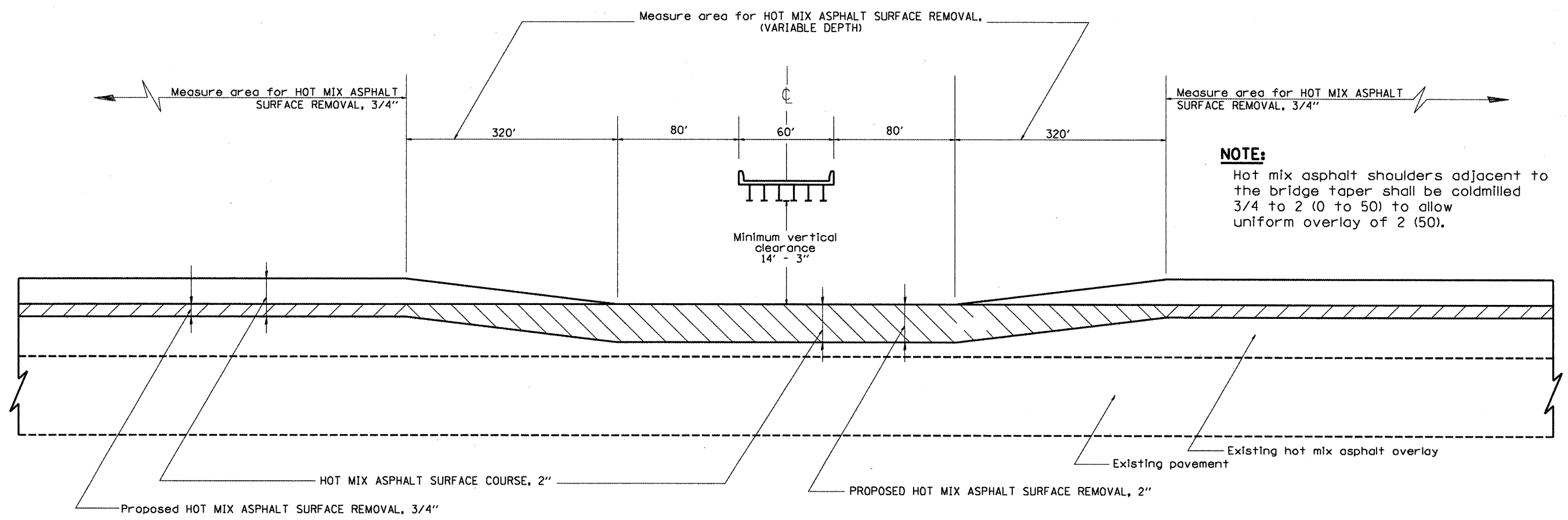


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**RURAL DETAIL OF ENTRANCES AND MAILBOX TURNOUTS**  
 SCALE: VERT. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	*	FULTON	71	57
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 133RS-3;134RS-2;135RS-5				



**NOTE:**  
Hot mix asphalt shoulders adjacent to the bridge taper shall be coldmilled 3/4 to 2 (0 to 50) to allow uniform overlay of 2 (50).

OVERLAY UNDER STRUCTURES WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

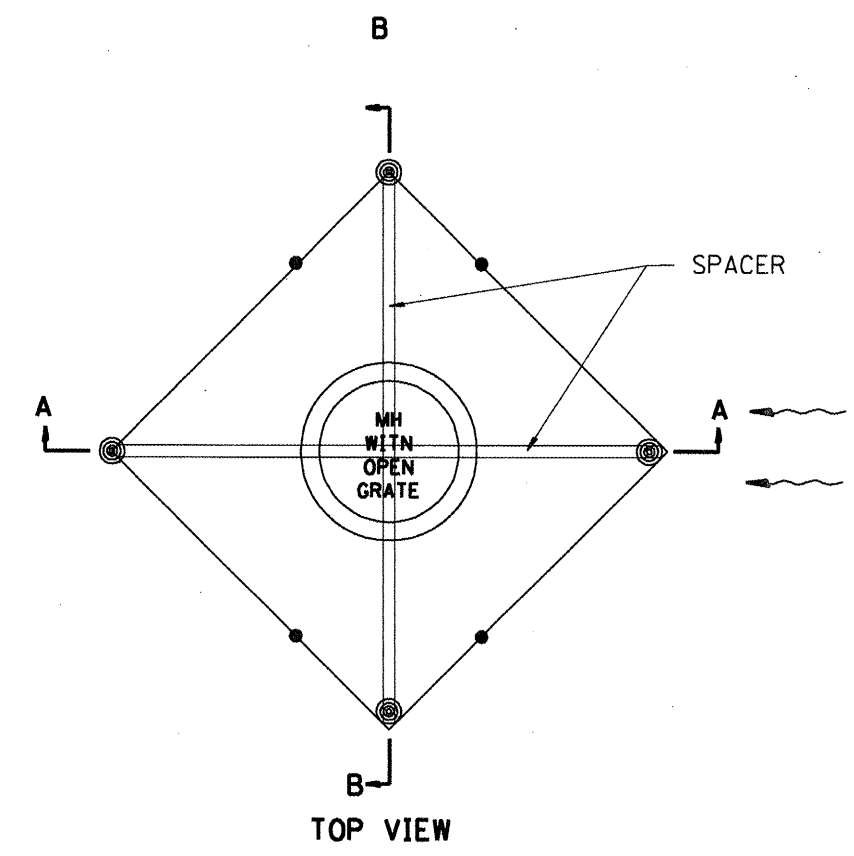
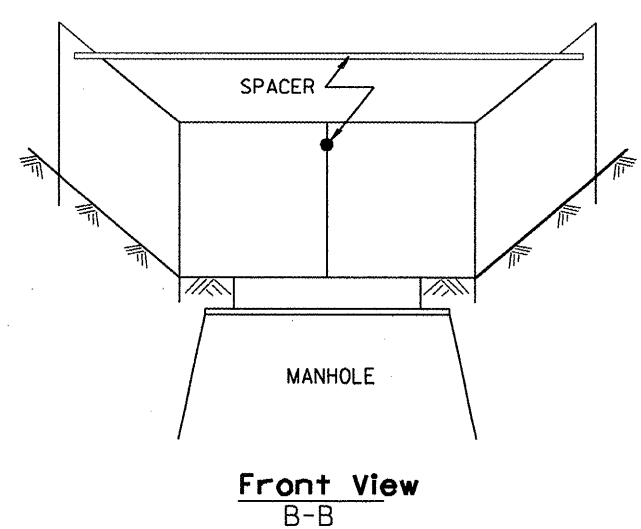
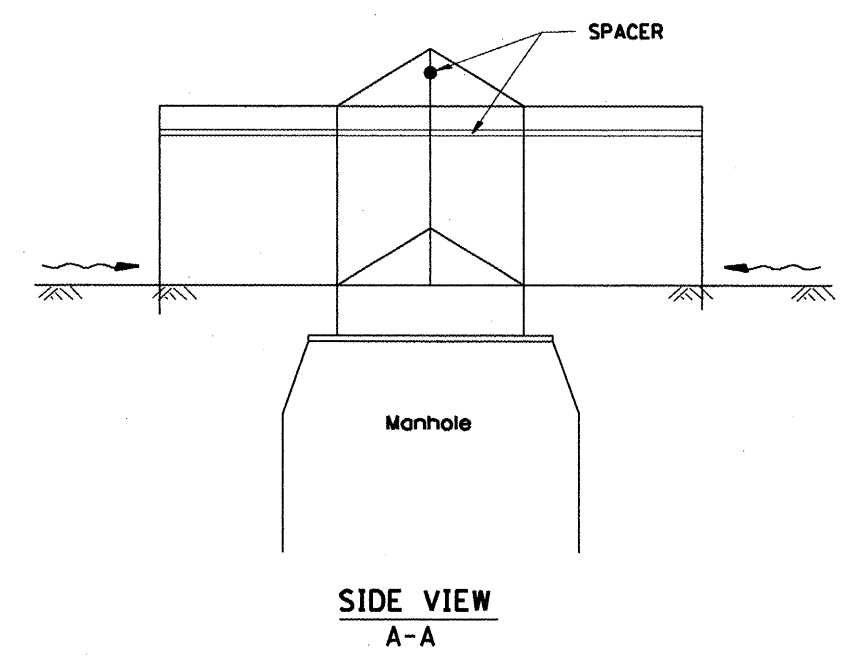
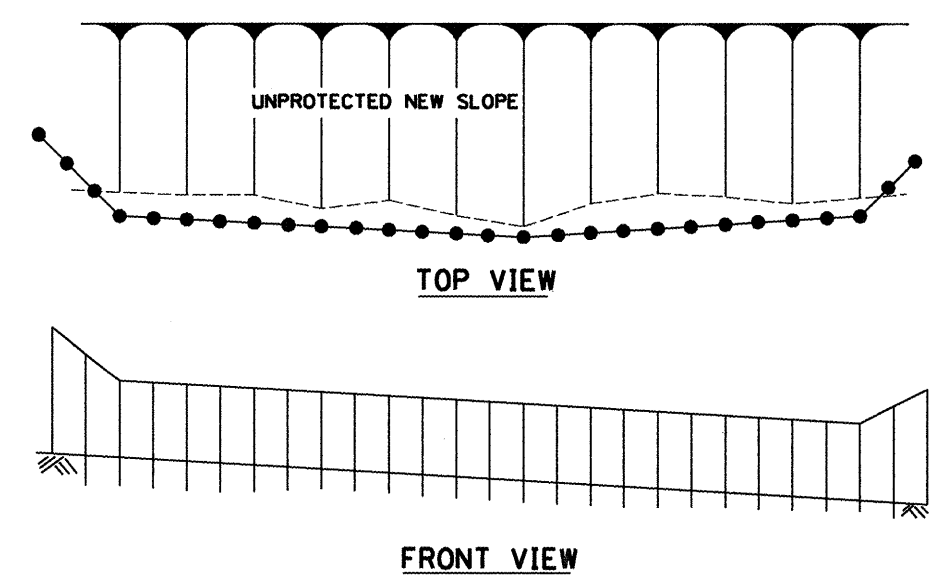
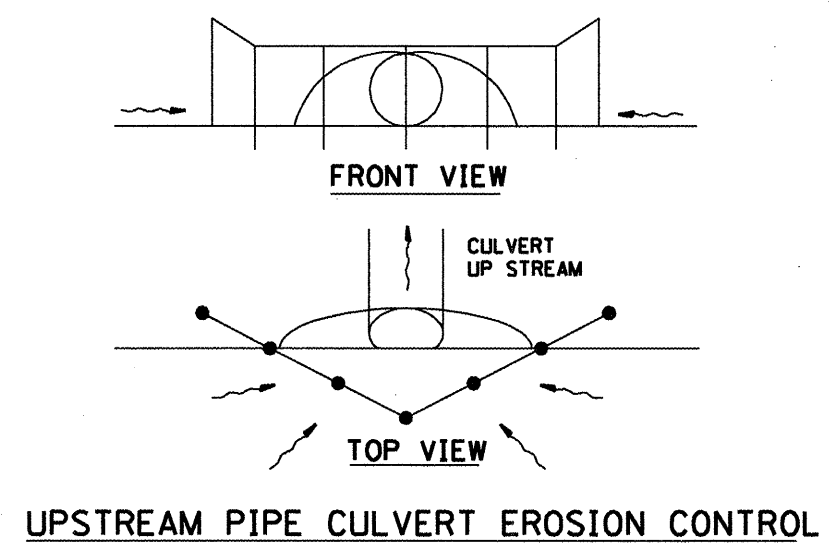
**PAVEMENT OVERLAY UNDER STRUCTURES**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

Designer NOTES:  
 1. Designer to modify this Special Detail sheet, as needed, for inclusion in plans.  
 2. Include Highway Standard 280001 "TEMPORARY EROSION CONTROL SYSTEM."



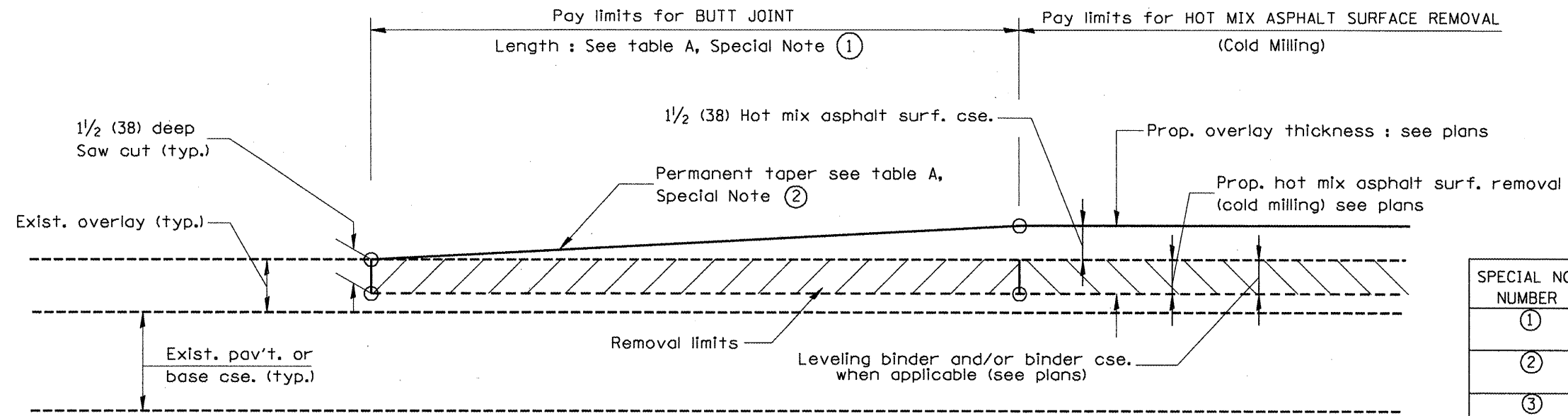
**GENERAL NOTES:**

1. This work shall be performed in accordance with Sections 280 & 1081, of the Standard Specifications.
2. Additional Timber or Metal Post shall be installed, as needed.

All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97		T.P.				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATION OF SILT FILTER FENCE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.A.						22	133RS-3;134RS-2;135RS-5	FULTON	71	58	
							NOT TO SCALE	CADD STD. 280001-D4	CONTRACT NO. 68516 <small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>				

DESIGNER NOTES:  
 1. Include District Special Provision for Butt Joints & for Hot Mix Asphalt Removal (Cold Milling).  
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Hot Mix Asphalt Removal (Cold Milling).



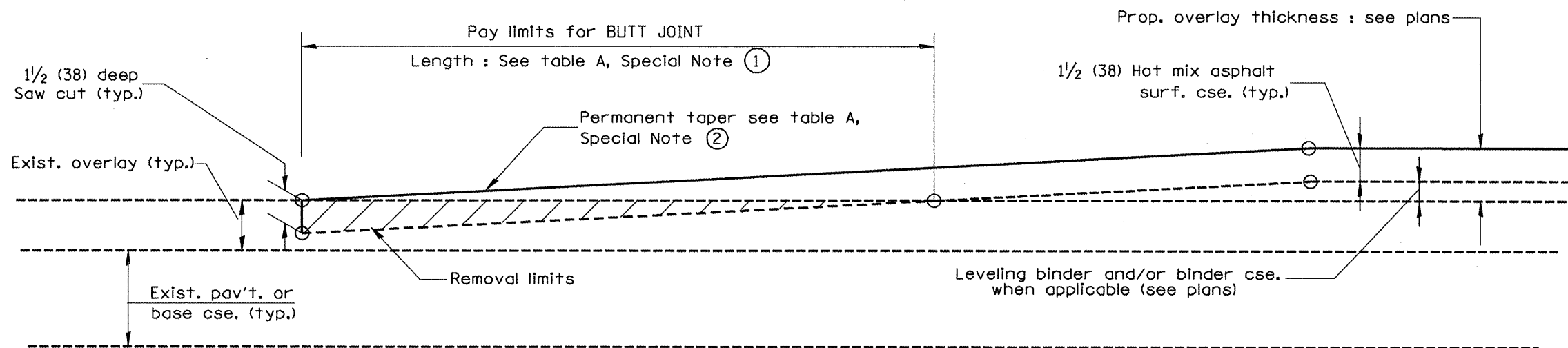
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A**  
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

**GENERAL NOTES**

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
- The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.			
04-01-97	CORRECTION TO DEPTH	J.A.			
09-15-05	REVISED DESIGNER NOTE	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

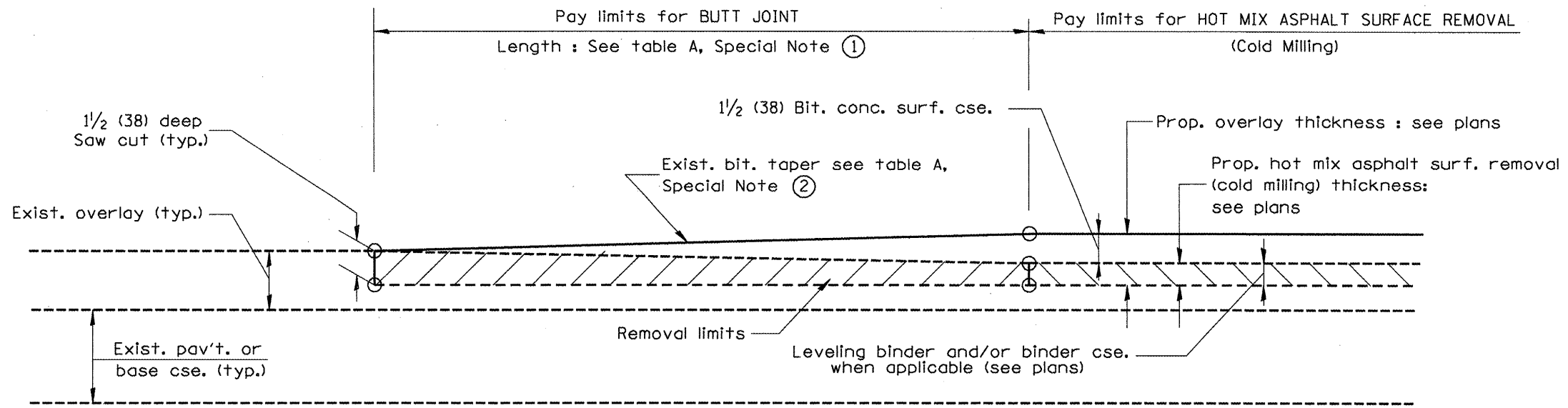
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

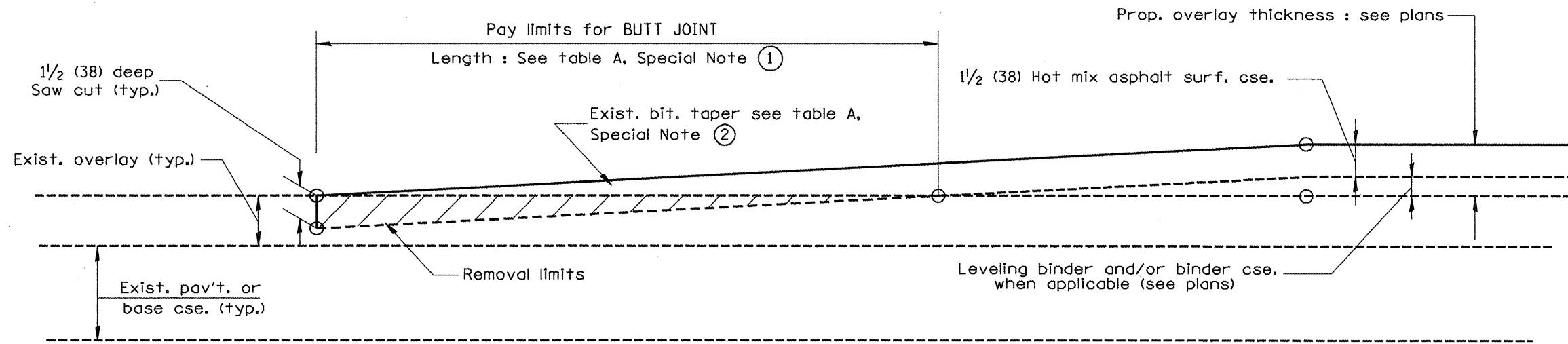
BUTT JOINTS

SHT. 1 OF 3  
CADD STD. 406101-D4

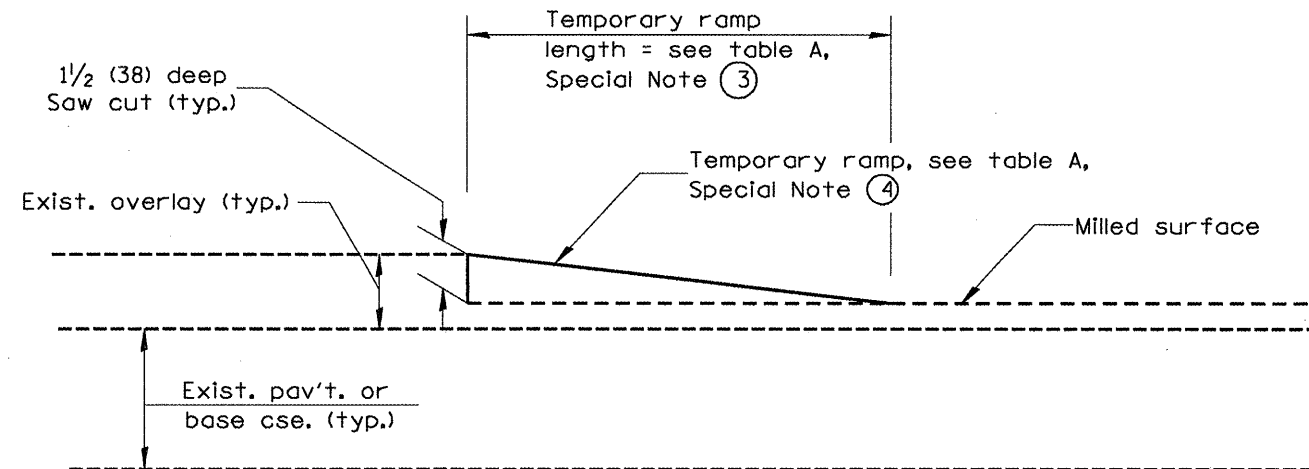
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3 134RS-2 135RS-5	FULTON	71	59
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT			CONTRACT NO. 68516	



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**DETAIL TEMPORARY RAMP**

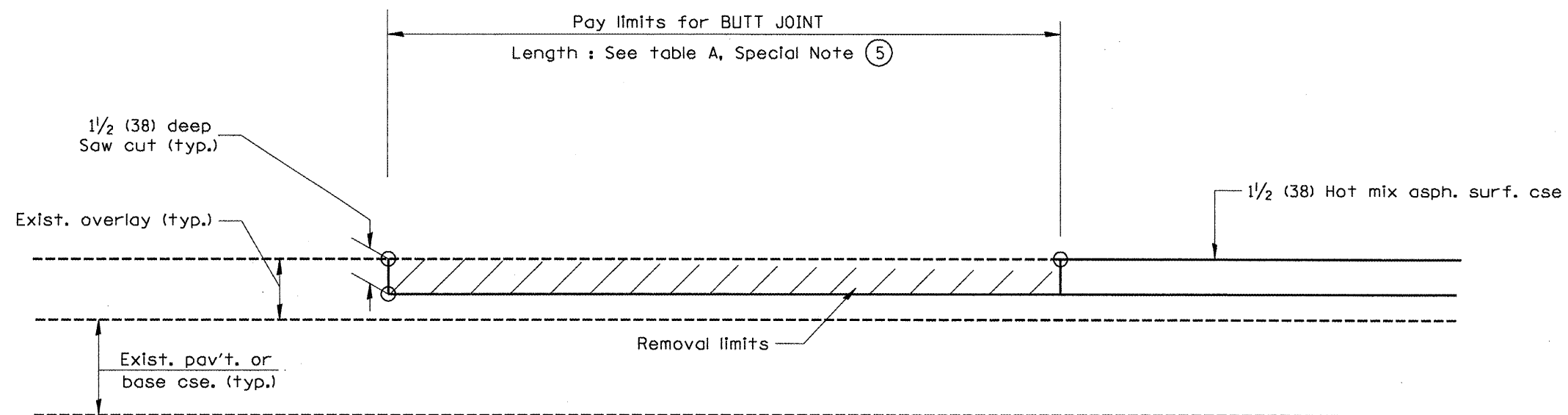
All dimensions are in inches (millimeters) unless otherwise noted.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS  
NOT TO SCALE  
SHT. 2 OF 3  
CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3;134RS-2;135RS-5	FULTON	71	60
CONTRACT NO. 68516			ILLINOIS FED. AID PROJECT	



**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches (millimeters) unless otherwise noted.


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

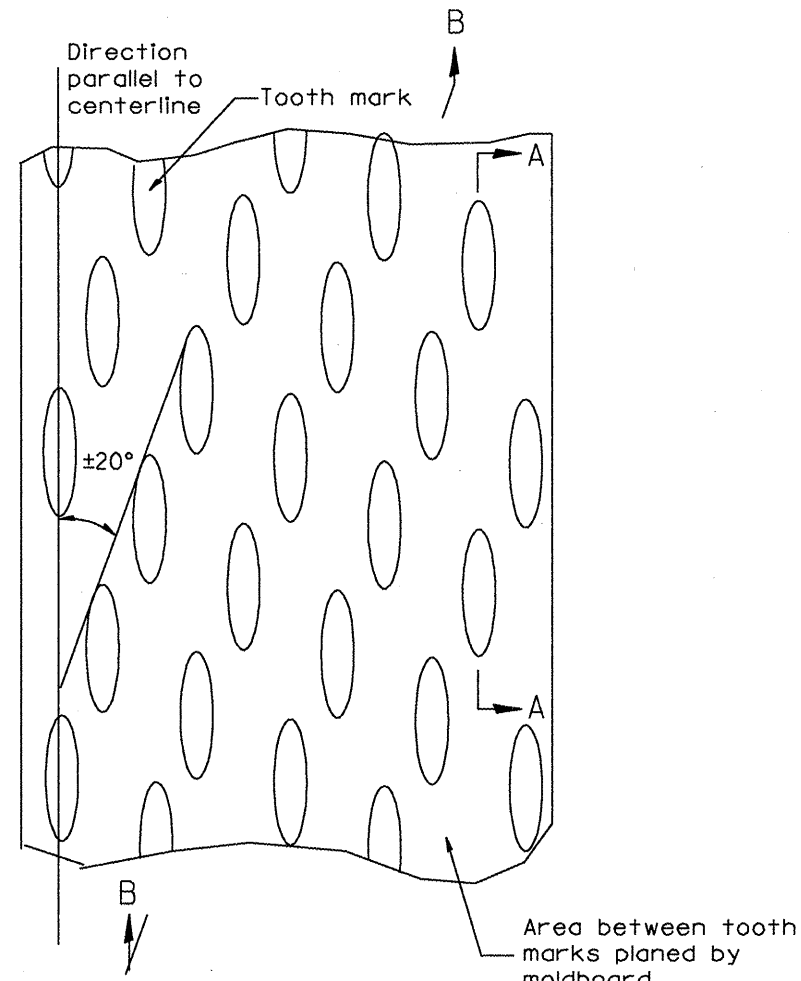
NOT TO SCALE

BUTT JOINTS

SHT. 3 OF 3  
CADD STD. 406101-04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3;134RS-2;135RS-5	FULTON	71	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68516	

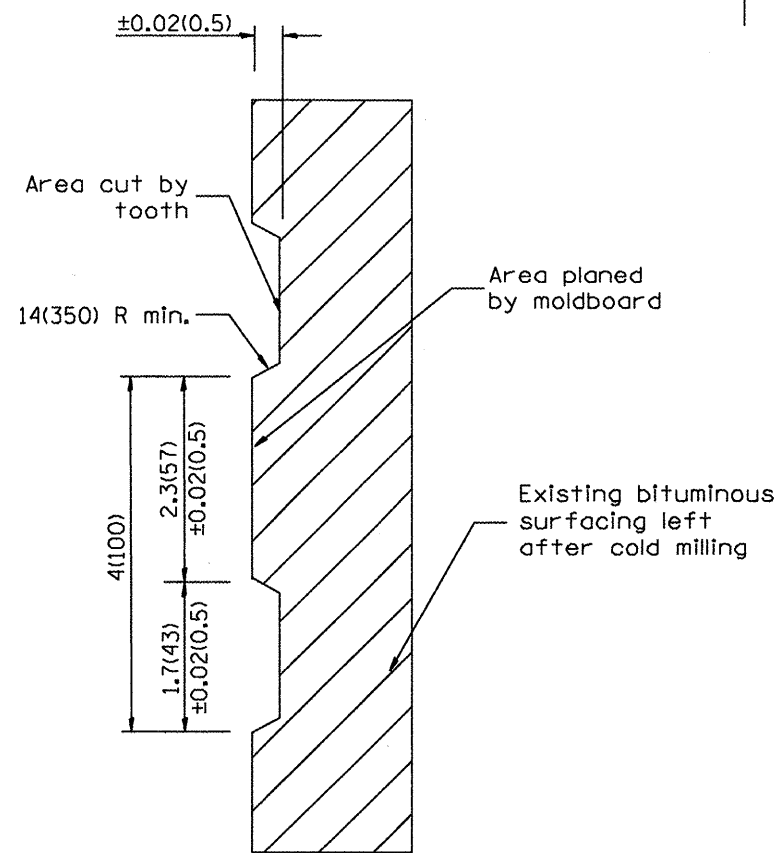
DESIGNER NOTES:  
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.



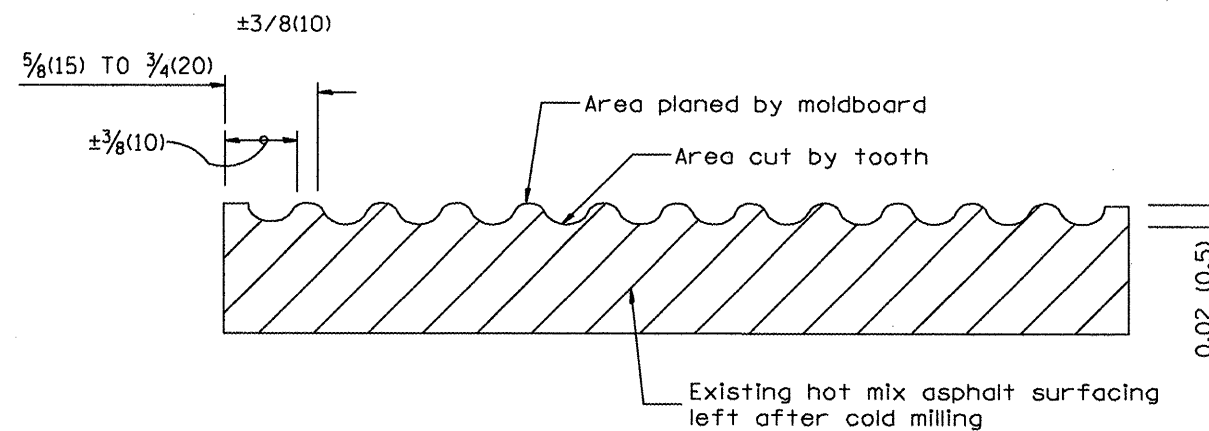
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

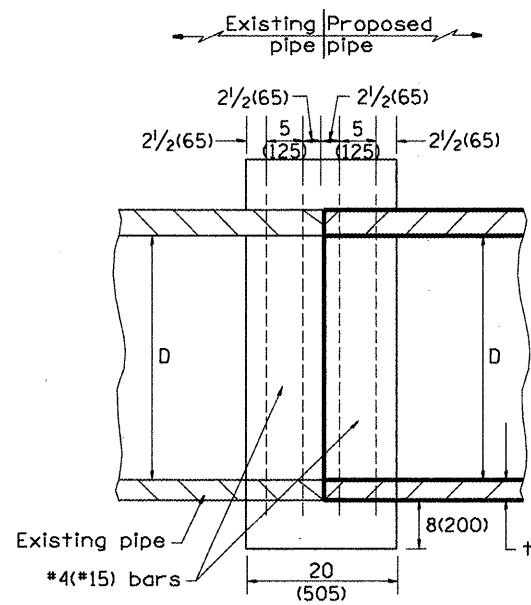
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

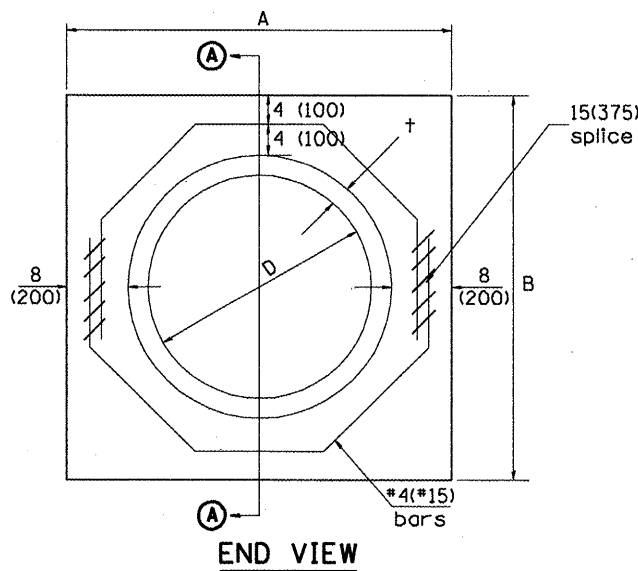
NOT TO SCALE

CADD STD. 440001-D4

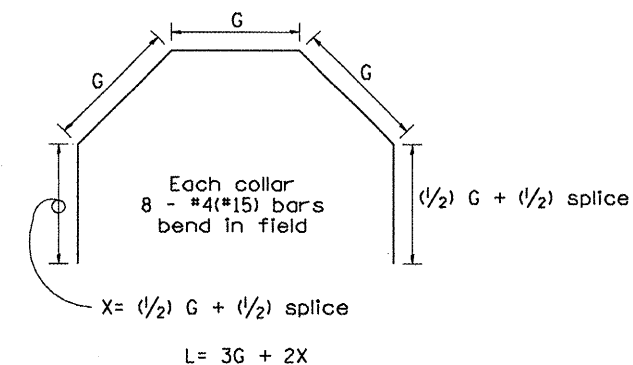
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	I33RS-3(I34RS-2)I35RS-5	FULTON	71	62
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68516	



SECTION A - A



END VIEW



Each Collar								
Reinforcement Bars								
D	†	A	B	CL. SI CONC.	G	X	L	Weight
in (mm)	in (mm)	ft (m)	ft (m)	cu. yd. (m <sup>3</sup> )	in (mm)	in (mm)	ft (m)	lb (kg)
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 <sup>15</sup> / <sub>16</sub> (253)	12 <sup>7</sup> / <sub>16</sub> (317)	4.57 (1.393)	24 (11)
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 <sup>3</sup> / <sub>8</sub> (290)	13 <sup>3</sup> / <sub>16</sub> (335)	5.05 (1.541)	27 (12)
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 <sup>13</sup> / <sub>16</sub> (327)	13 <sup>7</sup> / <sub>8</sub> (354)	5.54 (1.689)	30 (14)
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 <sup>1</sup> / <sub>4</sub> (364)	14 <sup>5</sup> / <sub>8</sub> (372)	6.02 (1.836)	32 (15)
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 <sup>11</sup> / <sub>16</sub> (401)	15 <sup>5</sup> / <sub>16</sub> (391)	6.51 (1.984)	35 (16)
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 <sup>1</sup> / <sub>4</sub> (438)	16 <sup>1</sup> / <sub>16</sub> (409)	6.99 (2.131)	37 (17)
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 <sup>11</sup> / <sub>16</sub> (475)	16 <sup>3</sup> / <sub>4</sub> (428)	7.48 (2.279)	40 (18)
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 <sup>1</sup> / <sub>8</sub> (512)	17 <sup>1</sup> / <sub>2</sub> (446)	7.96 (2.426)	43 (19)
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 <sup>9</sup> / <sub>16</sub> (549)	18 <sup>3</sup> / <sub>16</sub> (465)	8.44 (2.574)	45 (20)
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 <sup>7</sup> / <sub>16</sub> (622)	19 <sup>3</sup> / <sub>4</sub> (501)	9.41 (2.869)	50 (23)
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 <sup>5</sup> / <sub>16</sub> (696)	21 <sup>3</sup> / <sub>16</sub> (538)	10.38 (3.164)	55 (25)

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.

QUANTITIES	
CALC. BY: R. J. D.	2-2-98
CHECKED BY: R. D. H.	2-6-98
DATE:	
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

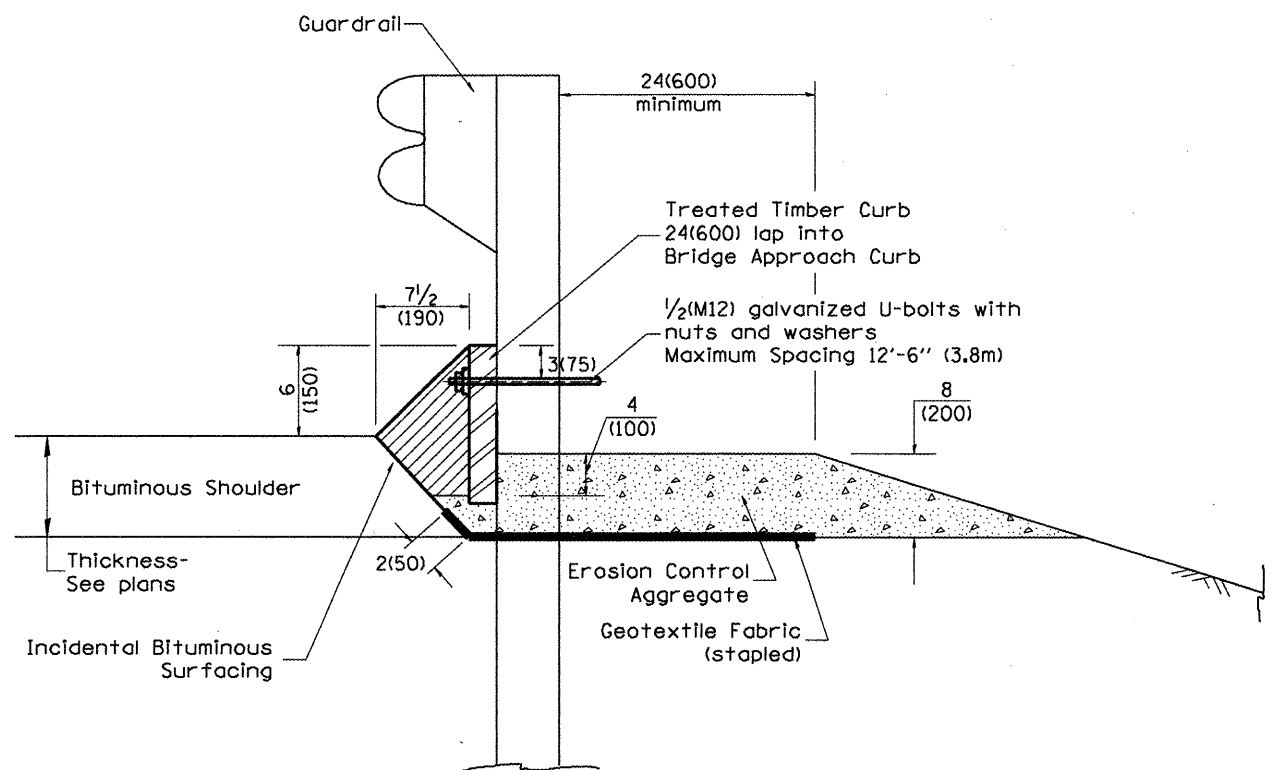
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. B-8.03, NEW REVISION BOX, REVISED	T.P.	09-01-00	CORRECT WEIGHT	J.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TITLE BOX, ADDED QUANTITY CALCULATION BOX		10-16-06	REV. TO 2007 SPEC., CORRECT mm UNITS	M.A.			22	133RS-3+134RS-2+135RS-5	FULTON	71	63
04-01-97	CORRECT BAR	J.A.									CONTRACT NO. 68516	
02-10-98	REVISE QUANTITIES	J.A.						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

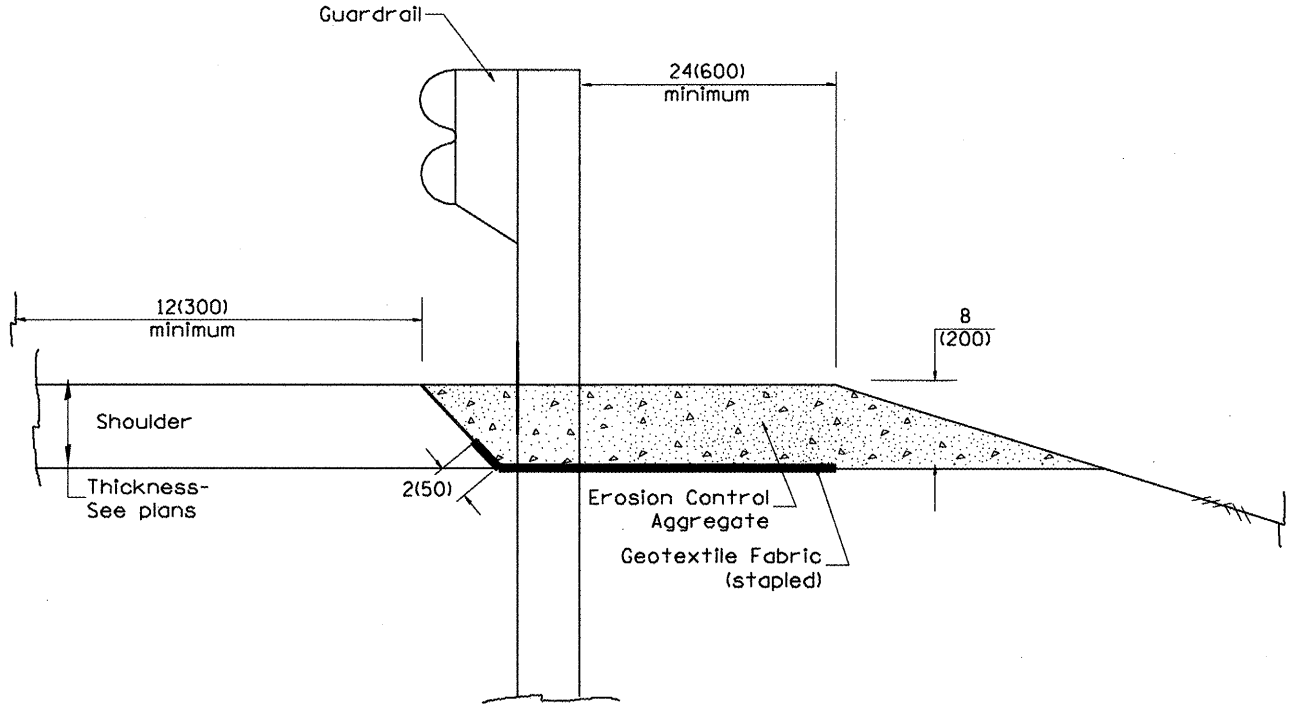
NOT TO SCALE

CADD STD. 542016-D4

1. Use EROSION CONTROL CURB at guardrail installations where grades are equal to or greater than 1% and at inlets. (Include District Special Provision)  
 2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1% (Include District Special Provision)  
 3. Include State Standards 609001, 609006 or 610001 if applicable.  
 4. Include the following District Cadd Standards as needed. Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.  
 5. Include District Special Provision -- "Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.



**TYPICAL SECTION WITH EROSION CONTROL CURB**



**TYPICAL SECTION WITHOUT EROSION CONTROL CURB**

**GENERAL NOTES: EROSION CONTROL CURB**

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.
2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m<sup>3</sup>)

**GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL**

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.							
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.							
11-03-00	CORRECTION TO NOTES	M.A.							
10-16-06	REVISED TO 2007 SPEC.	M.A.							

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

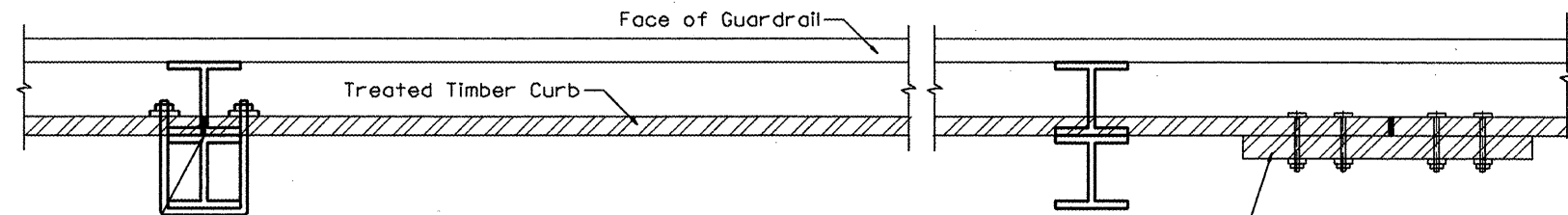
**GUARDRAIL EROSION CONTROL TREATMENTS**

SHT. 1 OF 2  
CADD STD. 630101-D4

F.A.P. RTE. 22 SECTION 133RS-3;134RS-2;135RS-5 COUNTY FULTON TOTAL SHEETS 71 SHEET NO. 64

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 68516

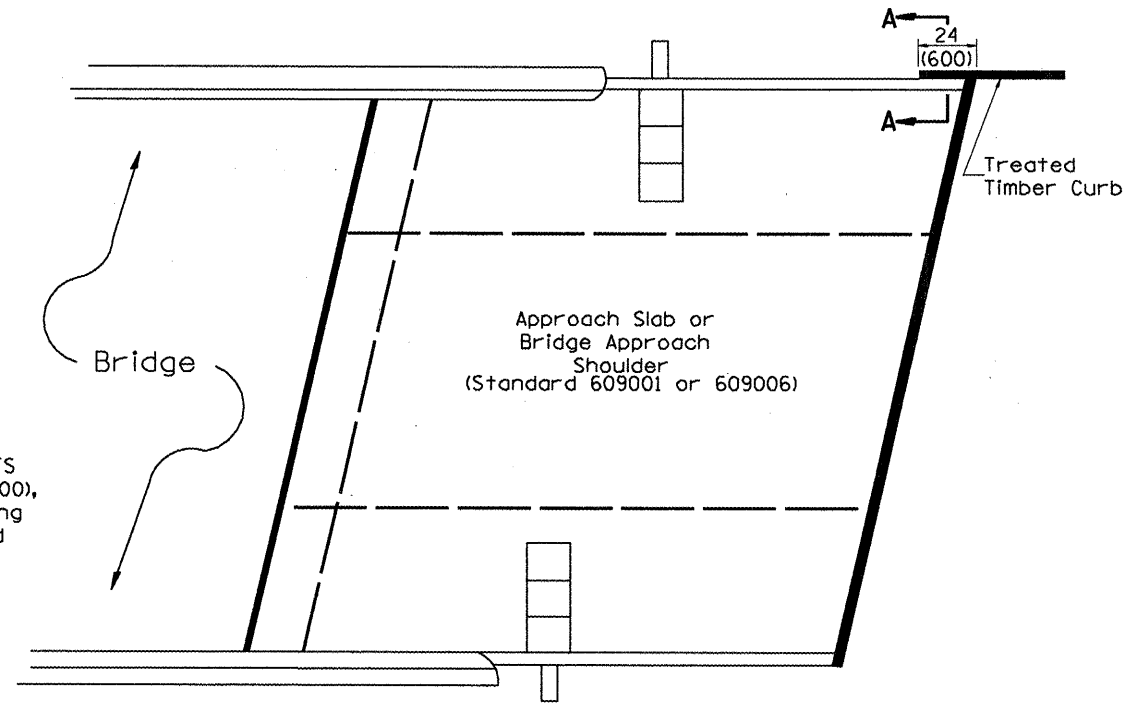




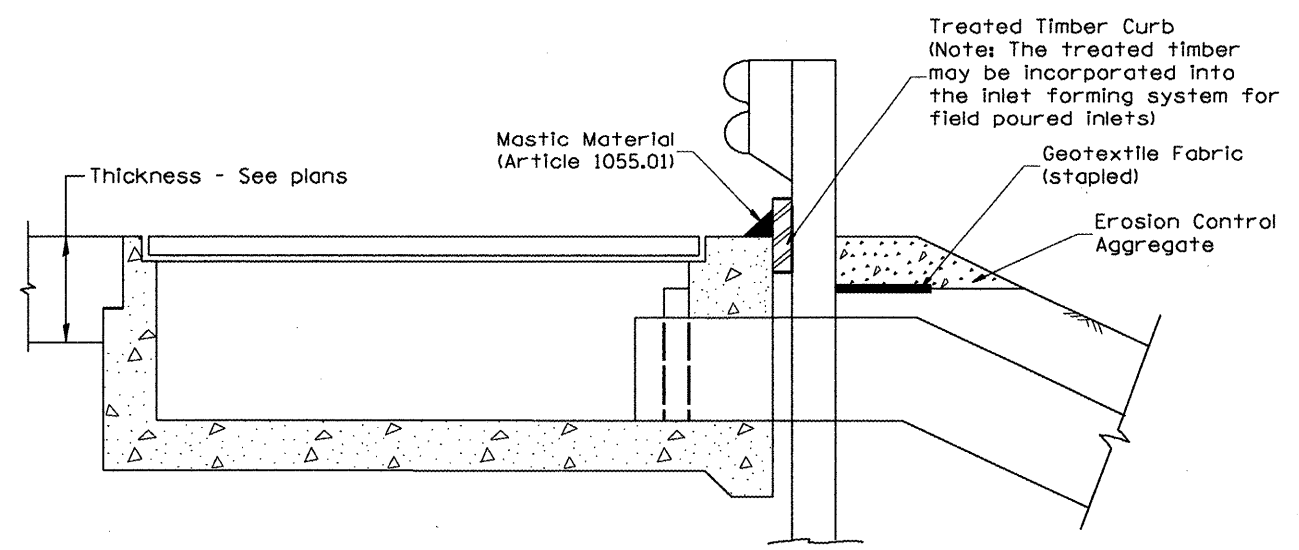
SPLICE LOCATED AT GUARDRAIL POST  
1/2(M12) galvanized U-bolt with  
nut & washer

**DETAIL A**  
(Typical Treated Timber Splices)

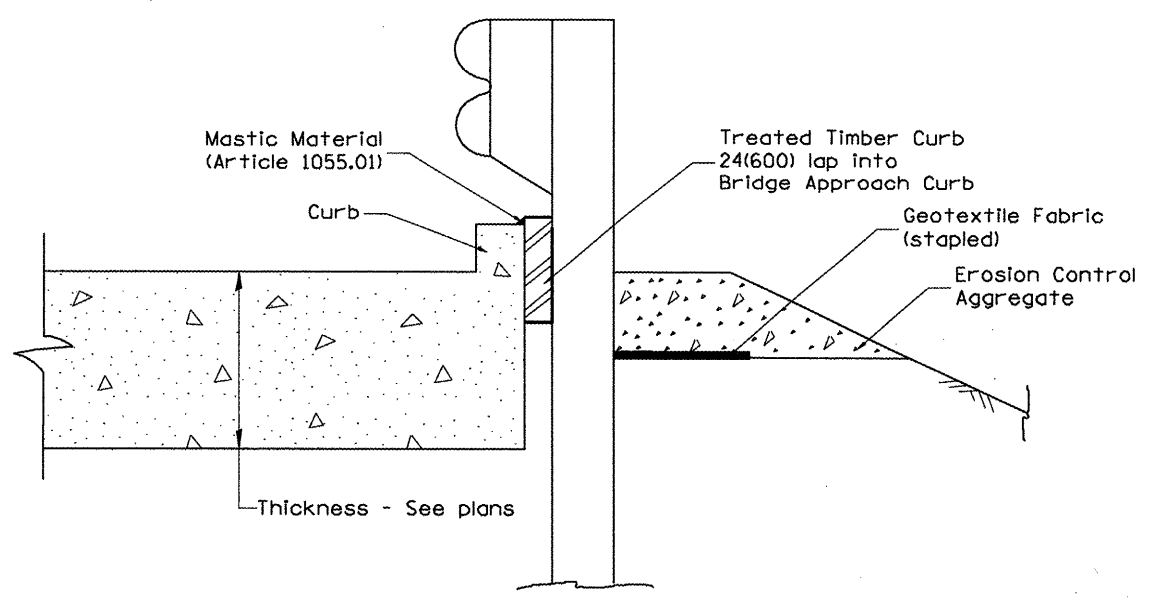
SPLICE LOCATED BETWEEN GUARDRAIL POSTS  
treated timber splice plate 2x12 (50x300),  
actual size 1 1/2x1 1/2 (40x290), 24(600) long  
with 8 evenly spaced 1/2(M12) galvanized  
bolts with nuts & washers.



**PLAN VIEW**  
**APPROACH SLAB OR BRIDGE APPROACH SHOULDER**  
(STANDARD 609001 or 609006)



**TYPICAL SECTION WITH EROSION CONTROL CURB**  
**AT INLETS TYPE E & F (STANDARD 610001)**

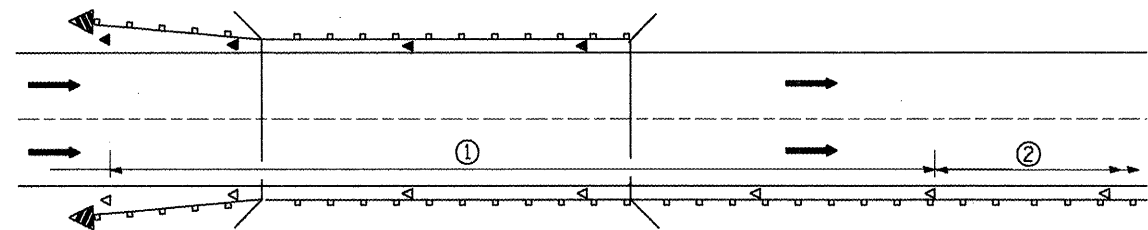


**SECTION A-A**  
**TYPICAL SECTION WITH EROSION CONTROL CURB**  
**AT BRIDGE APPROACH CURB**  
(STANDARD 609001 OR 609006)

All dimensions are in inches (millimeters)  
unless otherwise noted.

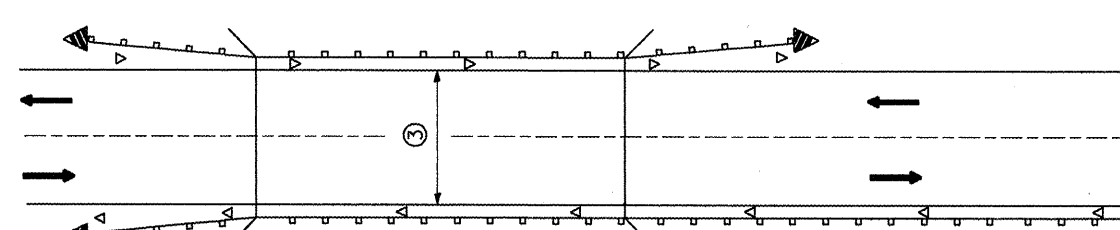
		<b>STATE OF ILLINOIS</b>		<b>GUARDRAIL EROSION CONTROL TREATMENTS</b>		F.A.P. SECTION COUNTY TOTAL SHEET	
		<b>DEPARTMENT OF TRANSPORTATION</b>		NOT TO SCALE		RTE. 22 133RS-3+134RS-2+135RS-5 FULTON 71 65	
				SHT. 2 OF 2		CONTRACT NO. 68516	
				CADD STD. 630101-04		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

DESIGNER NOTES:  
 1. INCLUDE APPROPRIATE SPECIAL PROVISIONS FOR "GUARD RAIL DELINEATION POLICY"; 1. TERMINAL MARKER, 2. TERMINAL MARK POST, AND 3. GUARDRAIL AND BARRIER WALL MARKERS."  
 FROM INTERIM SPECIAL PROVISIONS 94-74; "GUARDRAIL AND BARRIER WALL DELINEATION."  
 2. IF POST MOUNT TERMINAL MARKER IS USED, INCLUDE STATE STD. 720011.



- ① Spacing 80 ft. (24 m) max. for first 400 ft. (122 m) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).  
 ② After 400 ft. (122 m), transition to normal delineator spacing shown in Standard 635001, and continue as required.

**ONE-WAY TRAFFIC**



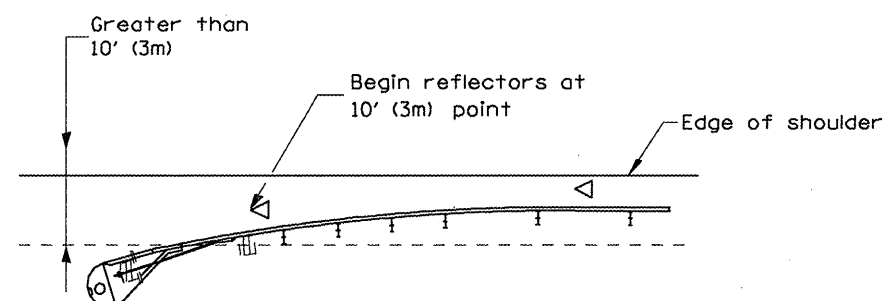
- ③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

**TWO-WAY TRAFFIC**

**GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS**

**LEGEND**

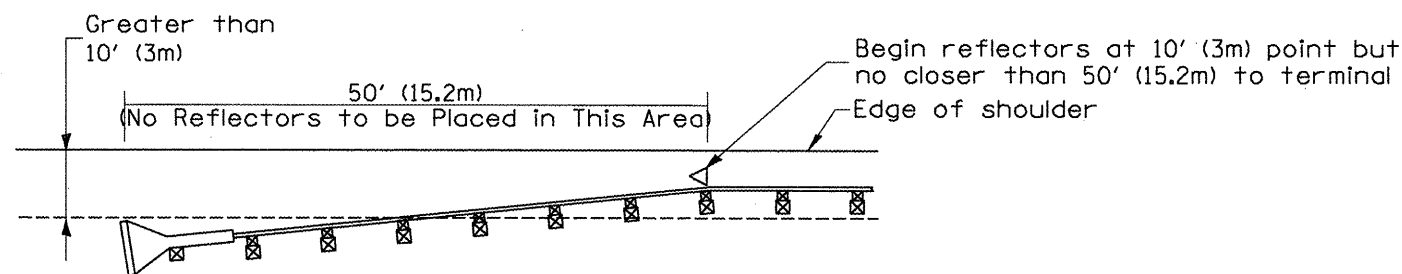
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow  
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 10' (3m) from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

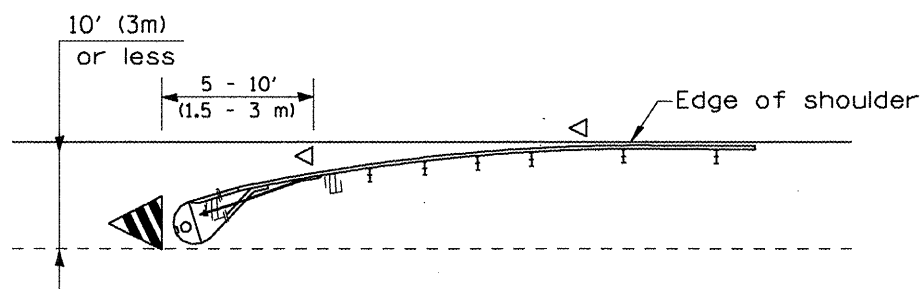
**Traffic Barrier Terminal Type(\*) and/or Turned-Down Terminal**

[Terminal over 10' (3m) from edge of shoulder]  
 •See Plans for Type

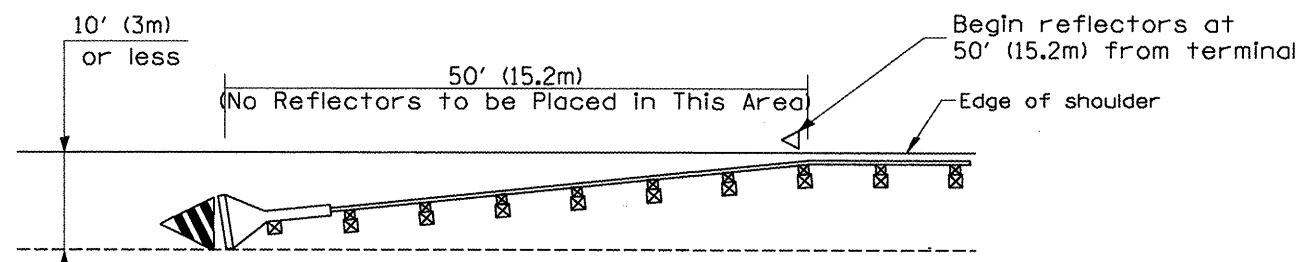


NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

**Traffic Barrier Terminal Type 1 (Special)**  
 [Terminal over 10' (3m) from edge of shoulder]



**Traffic Barrier Terminal Type(\*) and/or Turned-Down Terminal**  
 [Terminal over 10' (3m) or less from edge of shoulder]  
 •See Plans for Type

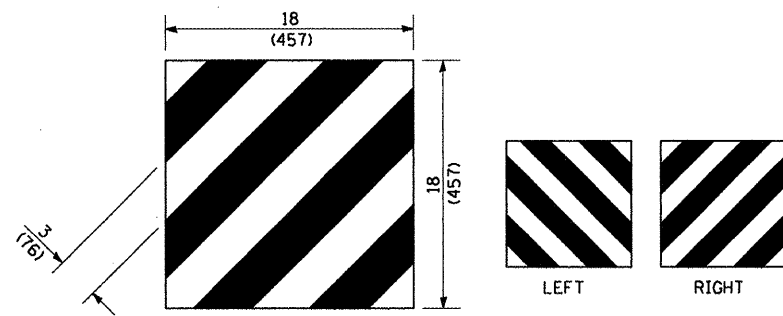


**Traffic Barrier Terminal Type 1(Special)**  
 [Terminal 10' (3m) or less from edge of shoulder]

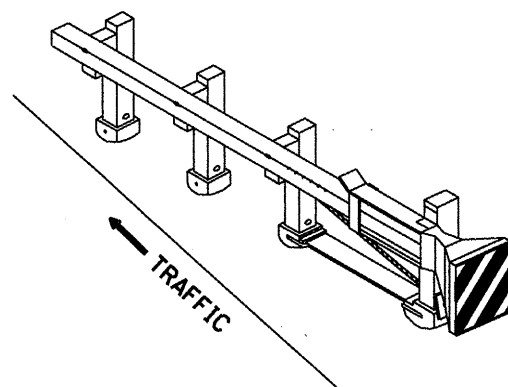
**TERMINAL MARKER PLACEMENT**

All dimensions are in inches (millimeters) unless otherwise noted.

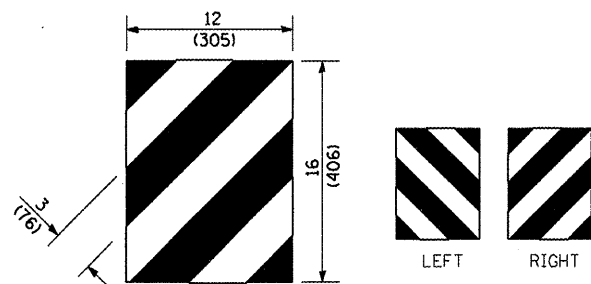
01-01-97	RENUM. E-10.02, NEW REVISION BOX	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL AND BARRIER WALL DELINEATION	SHT. 1 OF 3 CADD STD. 635101-D4	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
03-01-97	CORRECT STD. SPEC. *	J.A.							22	133RS-3;134RS-2;135RS-5	FULTON	71	66
10-16-06	REVISED TO 2007 SPEC.	M.A.							CONTRACT NO. 68516			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



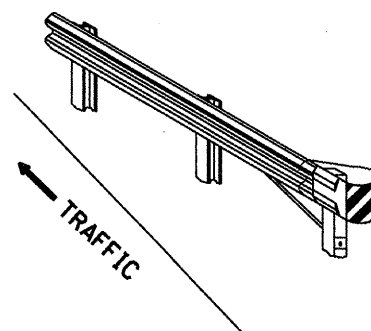
For Traffic Barrier Terminal Type 1 (Special)



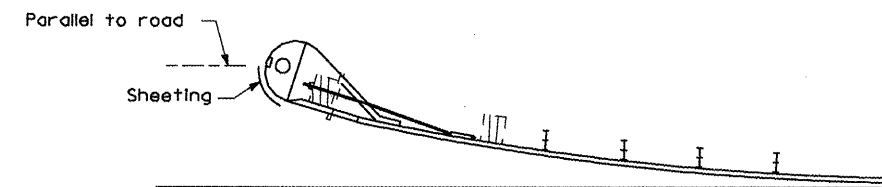
Standard Treatment - Direct Applied Sheeting  
Traffic Barrier Terminal Type 1 (Special)



For Traffic Barrier Terminal Type (\*)  
and Post Mount  
• See Plans for Type



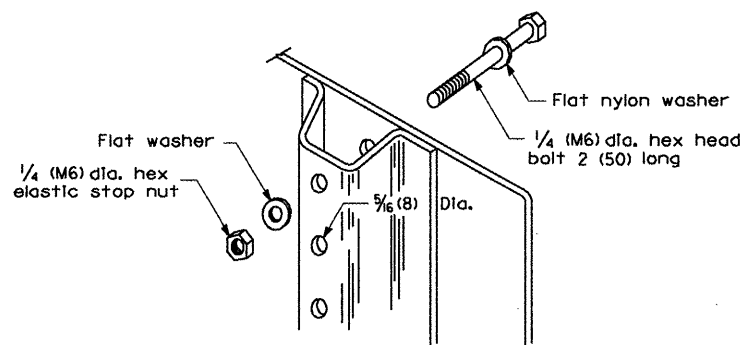
Standard Treatment - Direct Applied Sheeting  
Traffic Barrier Terminal Type (\*)  
• See Plans for Type



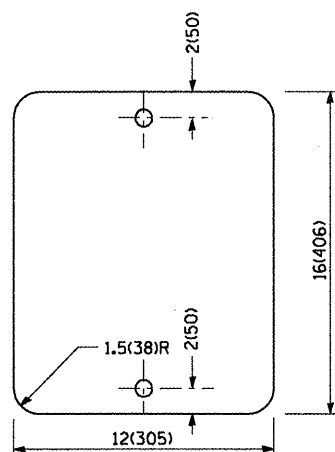
Sheeting Position for  
Traffic Barrier Terminal Type (\*)  
• See Plans for Type

**TERMINAL MARKER DETAILS**

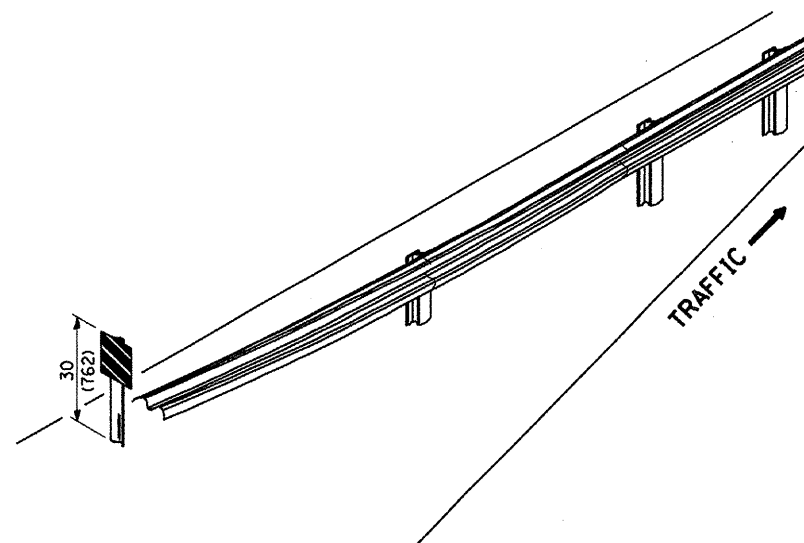
Color: Black / Yellow reflectorized  
 OM - I100 (L or R) Direct applied reflective sheeting  
 OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



ALTERNATE TREATMENT - POST MOUNTED  
(For turned-down terminal where sheeting cannot be direct applied)

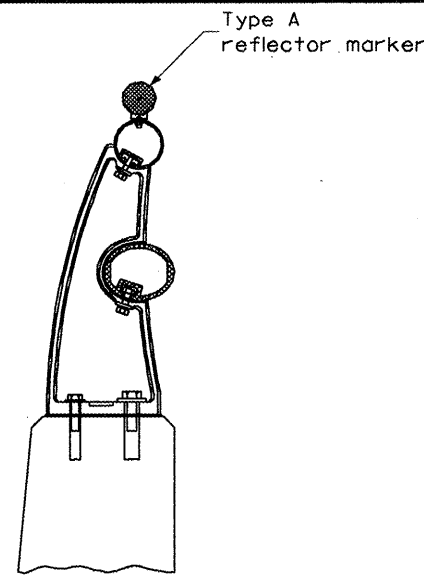
**TERMINAL MARKER TREATMENTS**

**GENERAL NOTES**

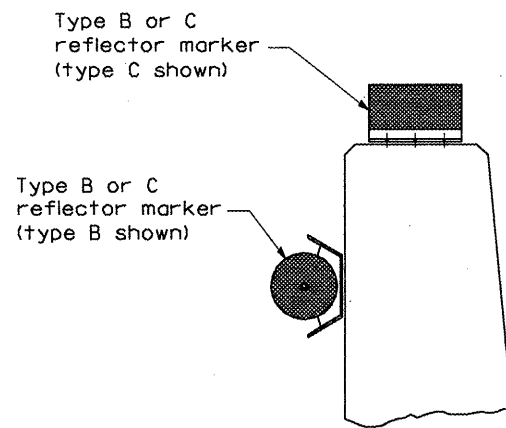
All dimensions are in inches (millimeters) unless otherwise noted.

**POST MOUNTED TERMINAL MARKER ASSEMBLY**

			<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>GUARDRAIL AND BARRIER WALL DELINEATION</b>		SHT. 2 OF 3 CADD STD. 635101-04		CONTRACT NO. 68516	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						
22	133RS-3(134RS-2)135RS-5	FULTON	71	67						
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT								

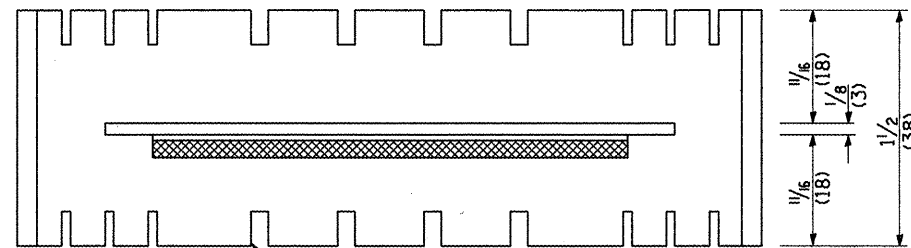


**TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR**

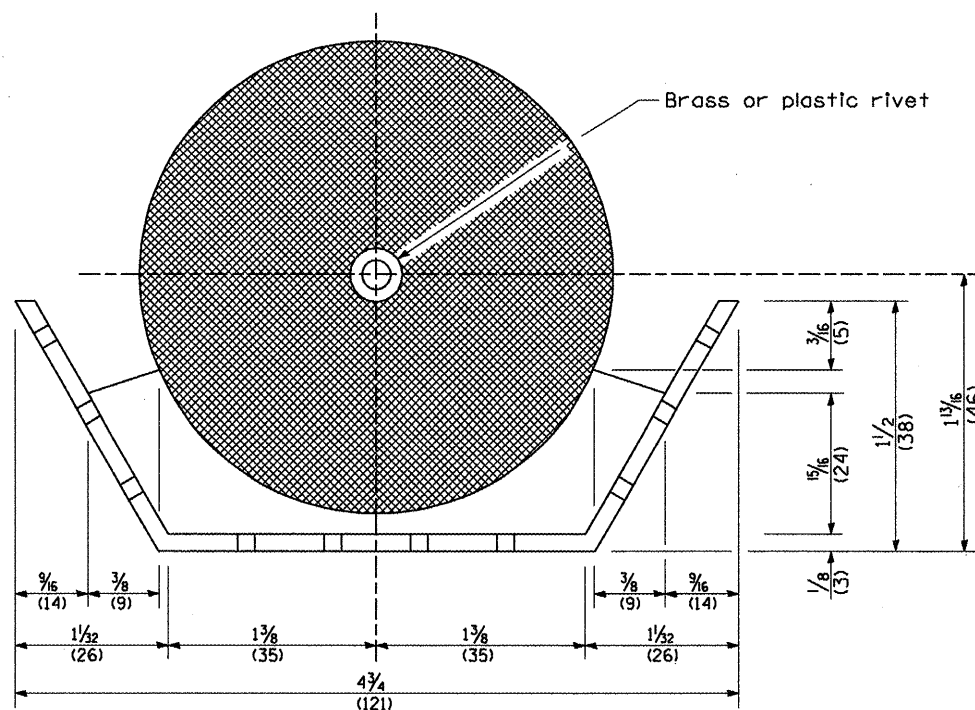


**TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR**

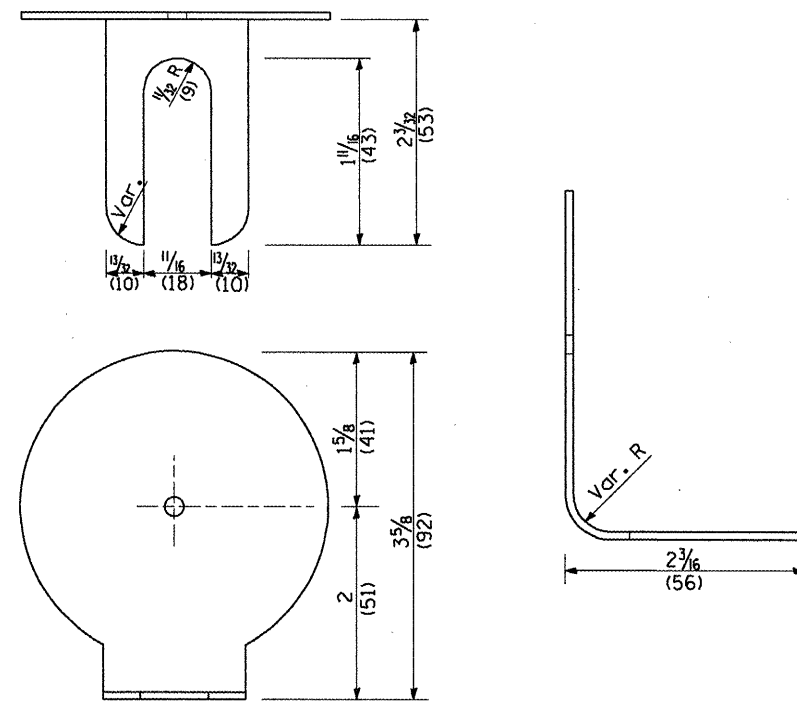
**REFLECTOR MOUNTING**



Adhesive weep slots or holes equally spaced on both sides

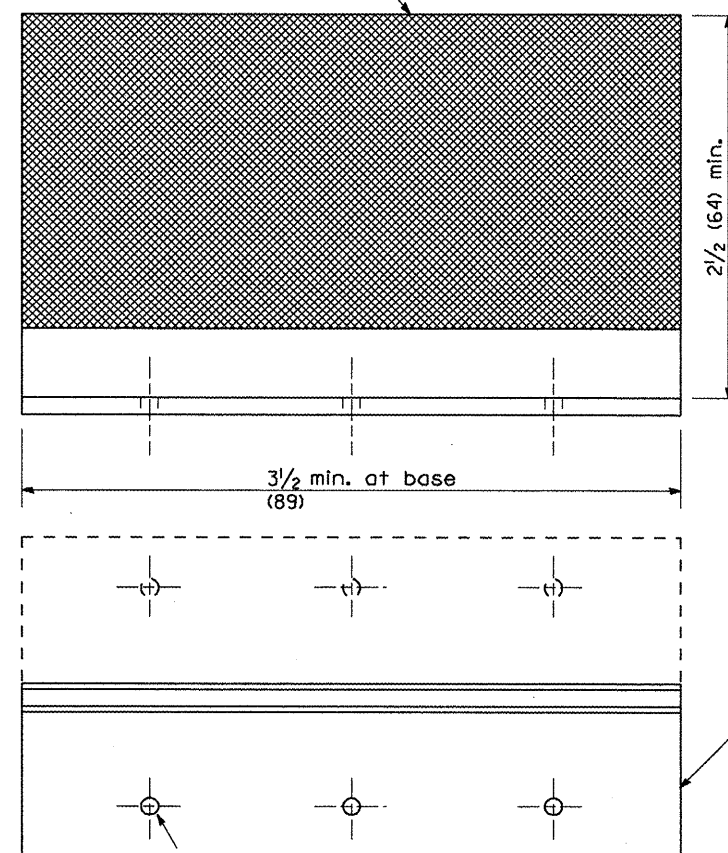


**REFLECTOR MARKER TYPE B**



**REFLECTOR MARKER TYPE A**

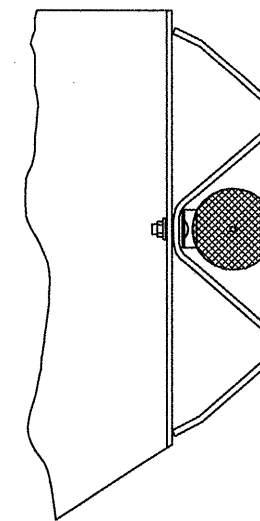
Min. reflective area 6 1/2 sq. in. (4,194 mm<sup>2</sup>) each side. May be rectangular or slight trapezoid.



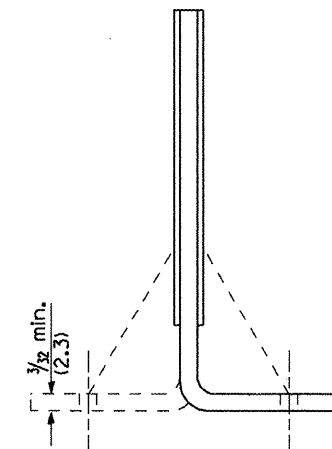
**REFLECTOR MARKER TYPE C**

3 min. adhesive weep holes or slots each side, variable spacing.

Minimum total area of base 7.0 Sq. in. (4,516 mm<sup>2</sup>)



**TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A**



Cross section may be "T" or "L" shaped and may have side supports at ends.

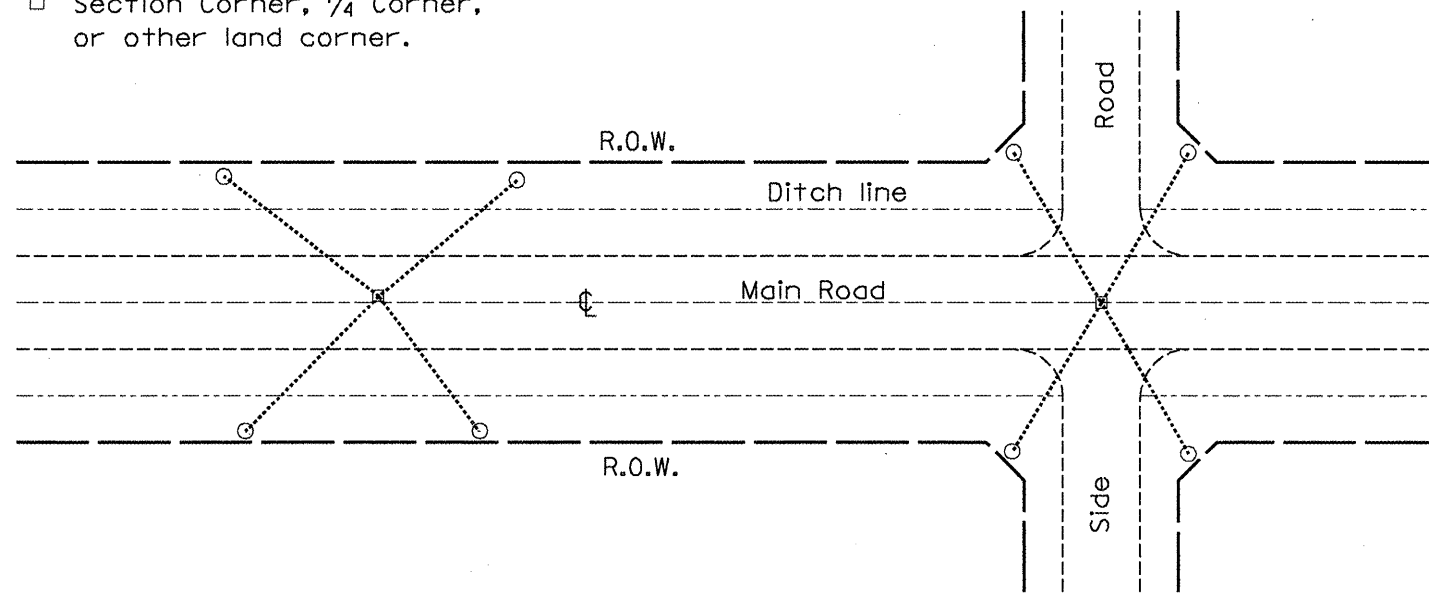
**REFLECTORS**

All dimensions are in inches (millimeters) unless otherwise noted.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3(134RS-2)135RS-5	FULTON	71	68
CONTRACT NO. 68516				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**PERMANENT SURVEY TIES**

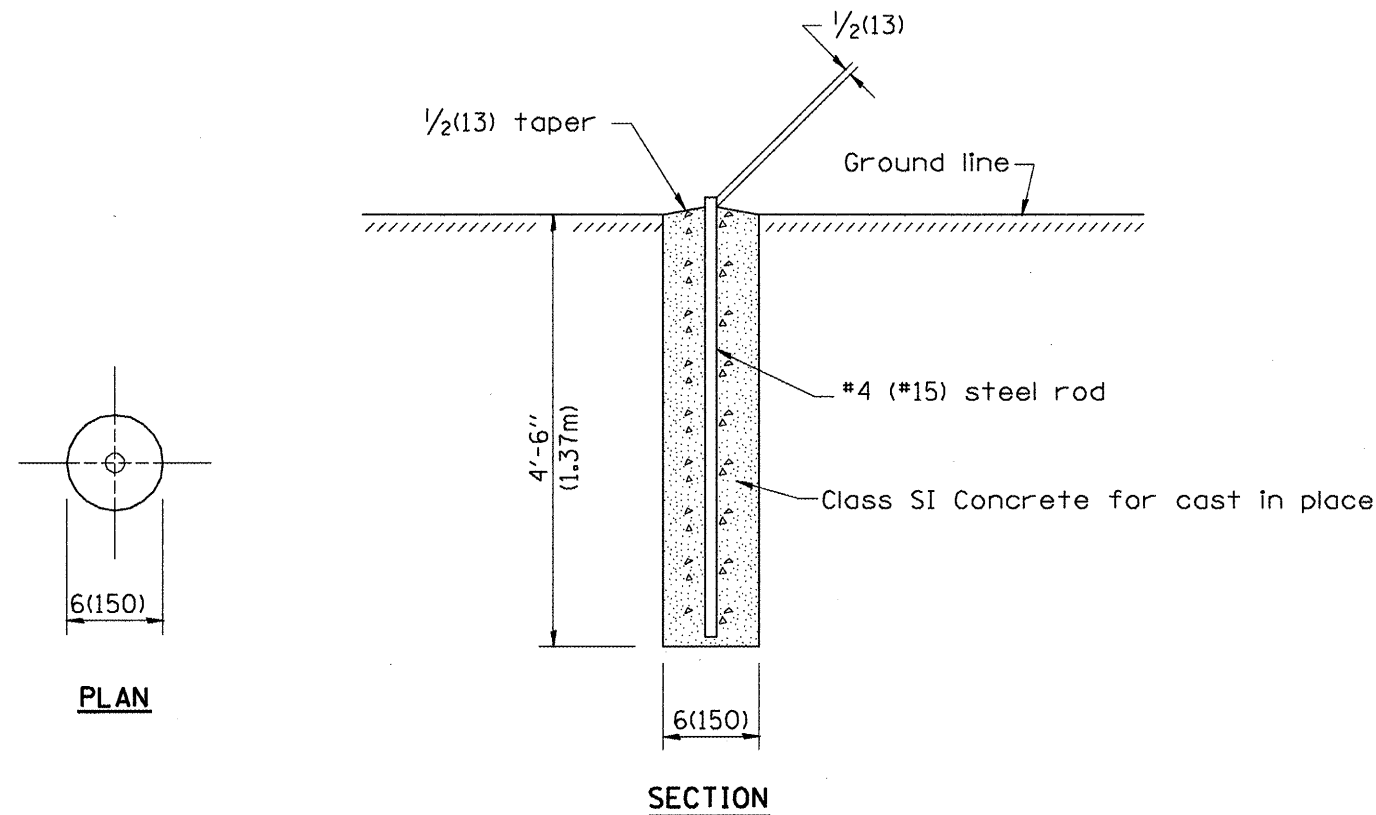
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



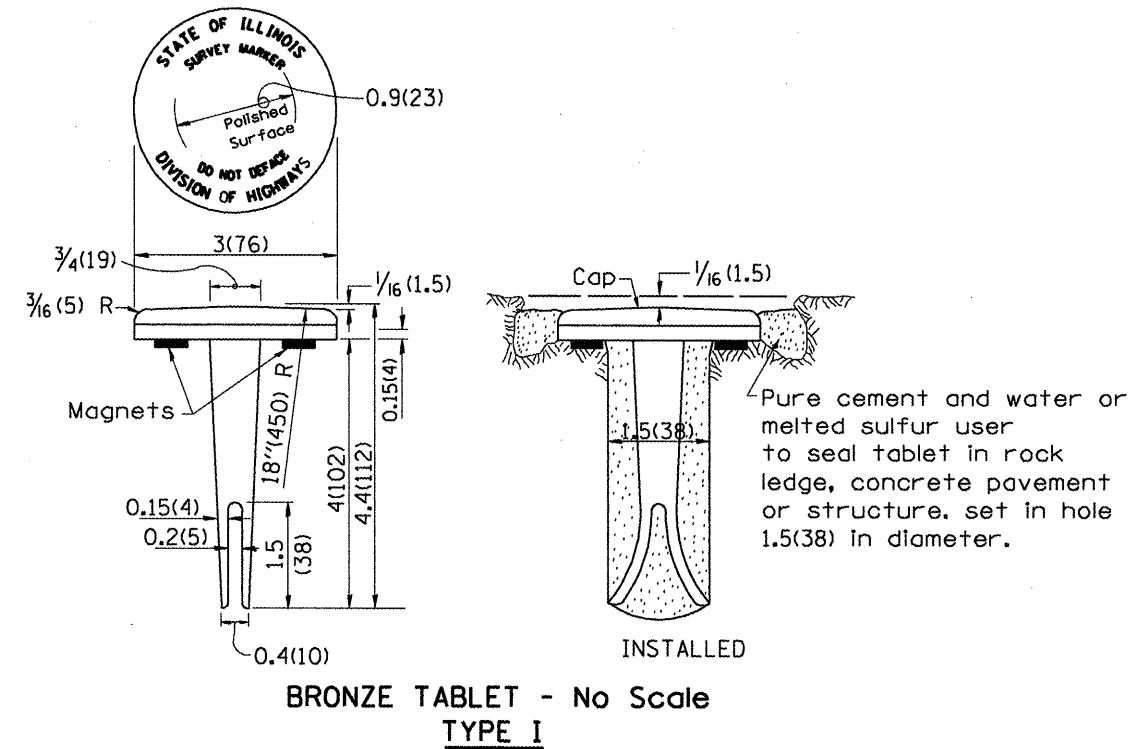
**TYPICAL APPLICATION**

**GENERAL NOTES**

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.



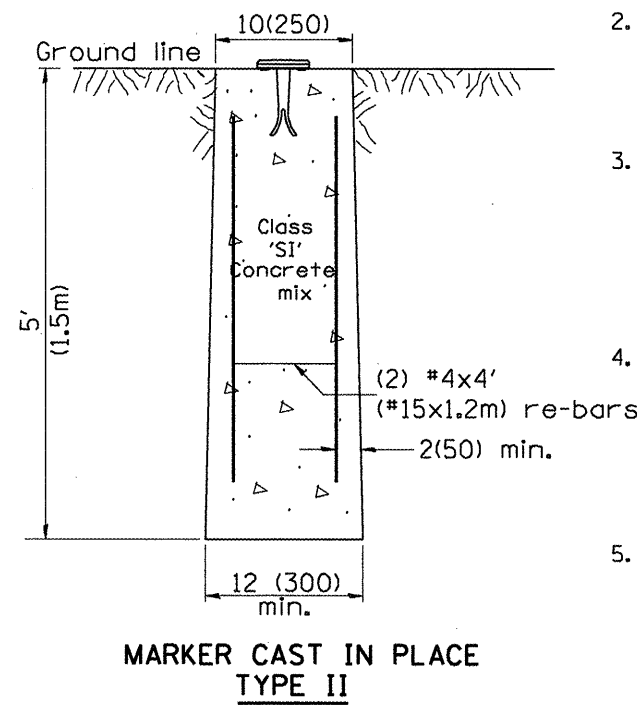
**PERMANENT SURVEY MARKERS**



**BRONZE TABLET - No Scale TYPE I**

**GENERAL NOTES**

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



**MARKER CAST IN PLACE TYPE II**

All dimensions are in inches (millimeters) unless otherwise noted.

DESIGNER NOTES:  
1. ADD DISTRICT SPECIAL PROVISION.  
2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-07-98	TITLE BOX, ADD DESIGNER NOTE	J.A.			
05-24-06	ADD DESIGNER NOTE	J.A.			
	REMOVED GEN. NOTE UNDER TIES	M.A.			

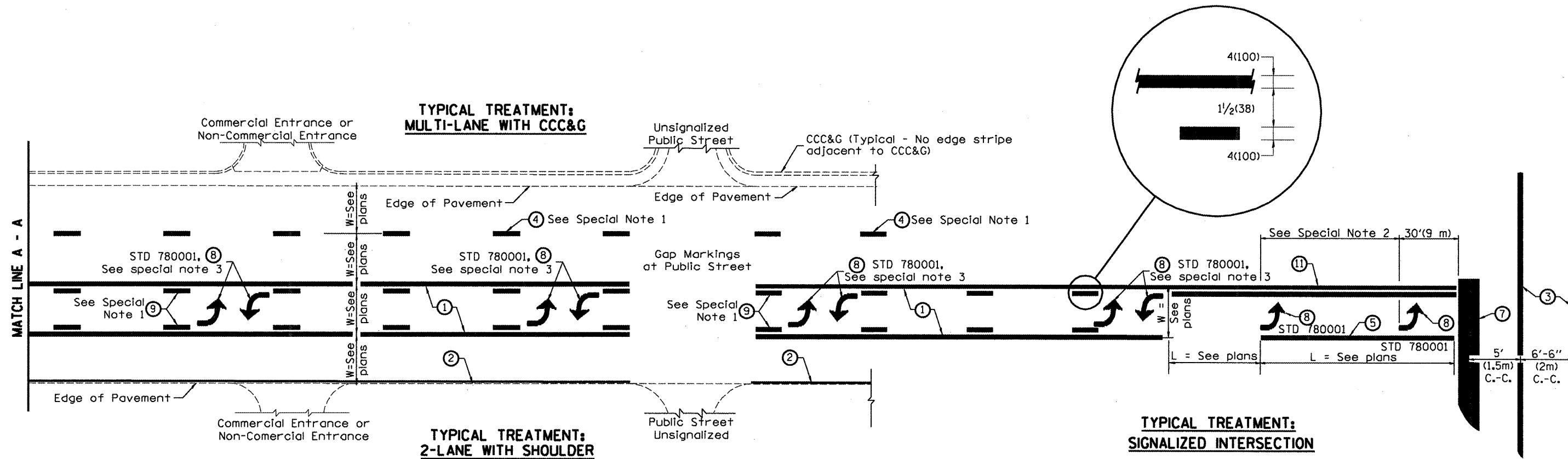
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PERMANENT SURVEY TIE &  
PERMANENT SURVEY MARKERS TY.I - TY.II**

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3+134RS-2+135RS-5	FULTON	71	69
CONTRACT NO. 68516				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE  
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

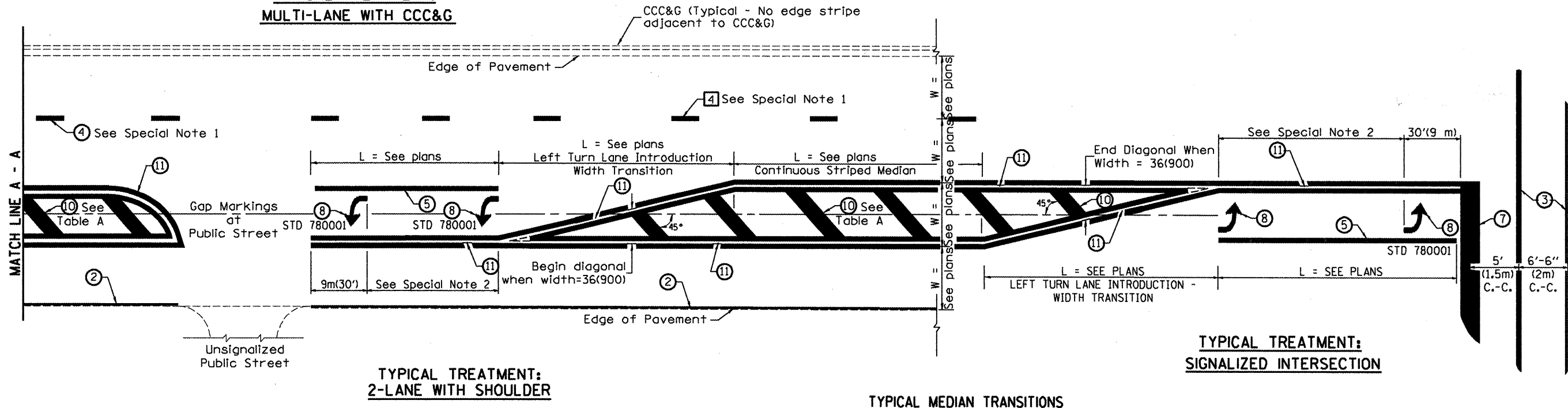
**TYPICAL PAVEMENT MARKINGS**

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	133RS-3+134RS-2+135RS-5	FULTON	71	70
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68516	

SHT. 1 OF 2  
CADD STD. 780001-D4

**TYPICAL TREATMENT:  
MULTI-LANE WITH CCC&G**

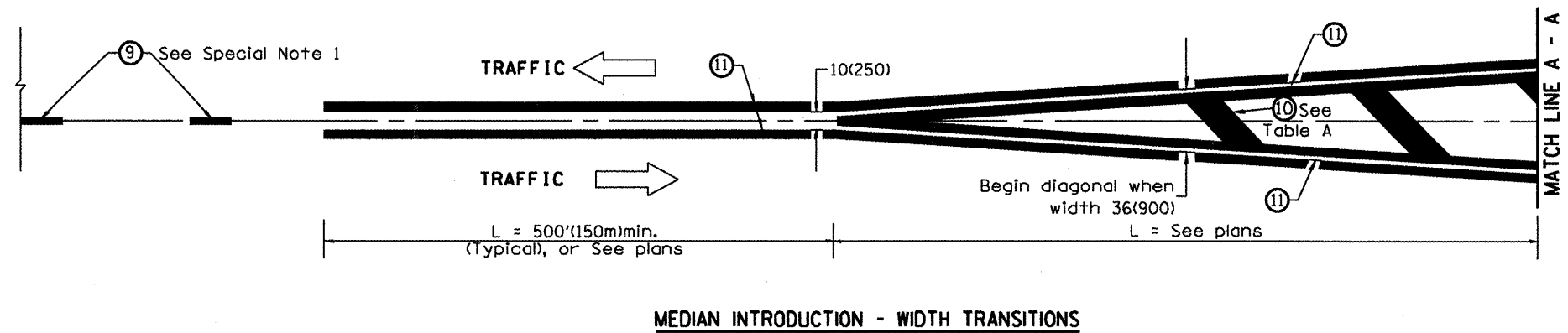


**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A**

**RECOMMENDED SPACING BETWEEN DIAGONAL LINES**

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



All dimensions are in inches (millimeters) unless otherwise noted.