

06-13-14 LETTING ITEM 024

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE. 557	SECTION 2013-0981	COUNTY KANE	TOTAL SHEETS 24	SHEET NO. 1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60X02		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE  
VILLAGE OF HAMPSHIRE

**PROPOSED  
HIGHWAY PLANS**

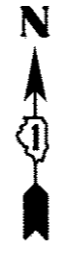
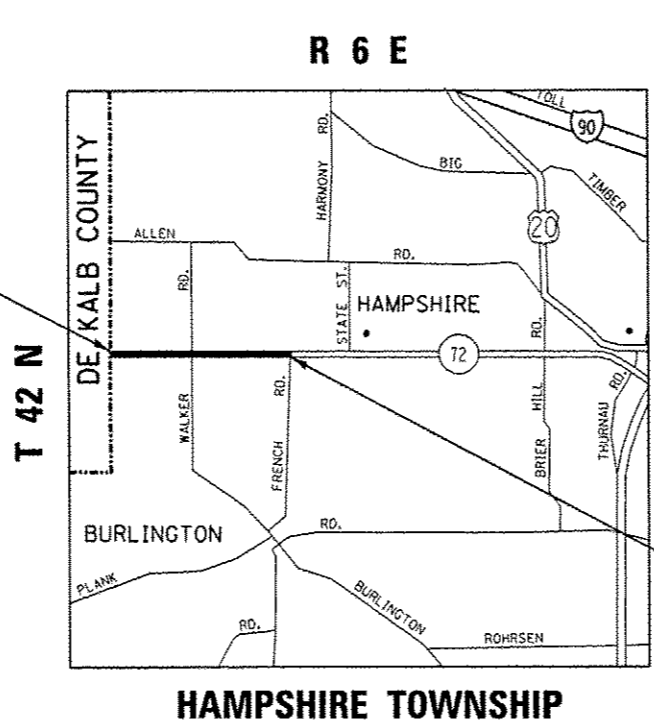
F.A.P. 557 (IL 72 / OAK KNOLL DR.)  
DE KALB COUNTY LINE TO FRENCH RD.  
SHOULDER REPAIR, RUMBLE STRIP AND GUARDRAIL  
SECTION NO.: 2013-051I  
PROJECT: ACHSIP-0557(280)  
KANE COUNTY  
C-91-417-13

D-91-417-13

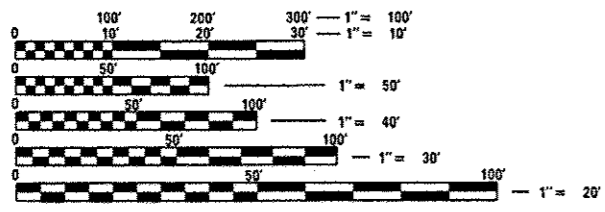


**TRAFFIC DATA:**  
2011 ADT - 4150 TO 4950  
SPEED LIMIT - 55 MPH

PROJECT BEGINS  
STA 2+41



PROJECT ENDS  
STA. 119+91



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

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

PROJECT ENGINEER: JENPAI CHANG (847) 705-4432  
PROJECT MANAGER: KEN ENG (847) 705-4247

GROSS AND NET LENGTH OF PROJECT = 11750 LIN FT = 2.23 MILES

CONTRACT NO. 60X02

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *March 20 20 14*

*John Fortmann*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*May 9 20 14*  
*John D. Baranzelli, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*May 9 20 14*  
*Omer Osman, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.

DESCRIPTION:

STATE STANDARDS

GENERAL NOTES:

1	COVER SHEET	000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
3	SUMMARY OF QUANTITIES	482011-03 HMA SHOULDER STRIPS/ SHOULDERS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
4-5	TYPICAL SECTIONS	630001-10 STEEL PLATE BEAM GUARDRAIL
6-10	ROADWAY AND PAVEMENT MARKING PLANS	630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL
11	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TRAFFIC BARRIER TERMINAL, TY 1 (SPECIAL)	635006-03 REFLECTOR AND TERMINAL MARKER REPLACEMENT
12	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	642006 SHOULDER RUMBLE STRIP, 8 IN.
14	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS	701201-04 LANE CLOSURE, 2L, 2W - DAY ONLY
15-18	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL	701301-04 LANE CLOSURE, 2L, 2W - SHORT TIME OPERATIONS
19-21	TYPE 6 TERMINAL FOR USE WITH 21 INCH HIGH SPBGR	701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
22	SHOULDER RUMBLE STRIPE FOR NON-FREEWAY	701501-06 URBAN LANE CLOSURE 2L, 2W INDIVIDED
23	RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY	701901-03 TRAFFIC CONTROL DEVICES
24	ARTERIAL INFORMATION SIGNING	

BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGE OF HAMPSHIRE.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING MACHINE IS SLOPED A MINIMUM (1:3).

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL CENTER AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (ITC-13)

THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC ENGINEER, AT (847) 741-9857, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

FILE NAME: c:\pwwork\pwwork\statepa\00361154\11417	USER NAME: statepa	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES</b> F.A.P. 557/ IL 72 (OAK KNOLL RD.)--DE KALB COUNTY LINE TO FRENCH RD.	F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	3-ans-plan.dgn	DRAWN: -	REVISED: -			557	2013-0481	KANE	24	2	
	PLOT SCALE = 100.0000 / in.	CHECKED: -	REVISED: -			<b>CONTRACT NO. 60X02</b>					
	PLOT DATE = 3/19/2014	DATE: -	REVISED: -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

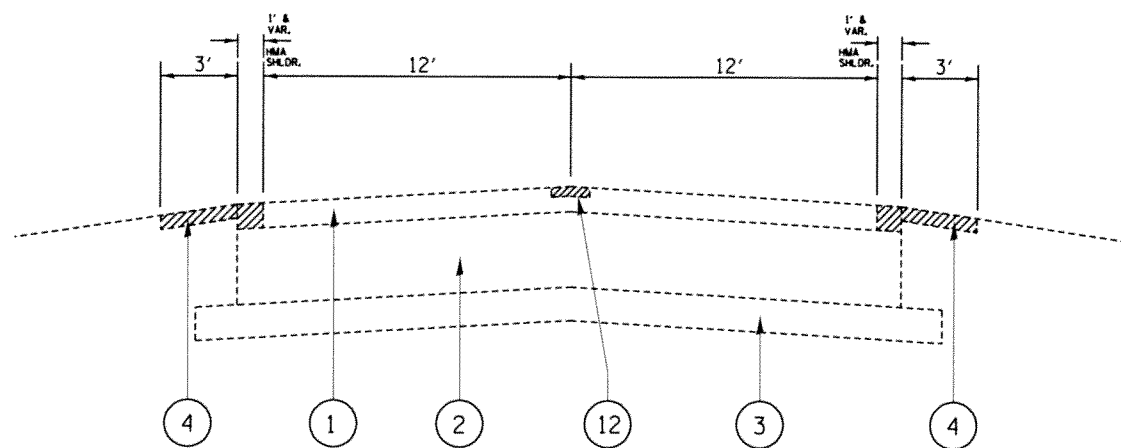
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021					
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	9925	9925					70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22923	22923					
44004250	PAVED SHOULDER REMOVAL	SO YD	2497	2497					*78200410	GUARDRAIL MARKERS, TYPE A	EACH	43	43					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	368	368					*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	10030	10030					X2020110	GRADING AND SHAPING SHOULDERS	UNIT	92	92					
*63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3388	3388					X4406030	PARTIAL DEPTH REMOVAL, TYPE 1, 3"	SO YD	4991	4991					
*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	10	10					X4421000	PARTIAL DEPTH PATCHING	TON	839	839					
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	10					X4810200	AGGREGATE SHOULDER REMOVAL	CU YD	1858	1858					
63200310	GUARDRAIL REMOVAL	FOOT	3388	3388					*X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	4692	4692					
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	22209	22209					Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3					Z0055400	RUMBLE STRIP	FOOT	11484	11484					
67100100	MOBILIZATION	L SUM	1	1														
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1														
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1														

URBAN  
90% FED.  
10% STATE

URBAN  
90% FED.  
10% STATE

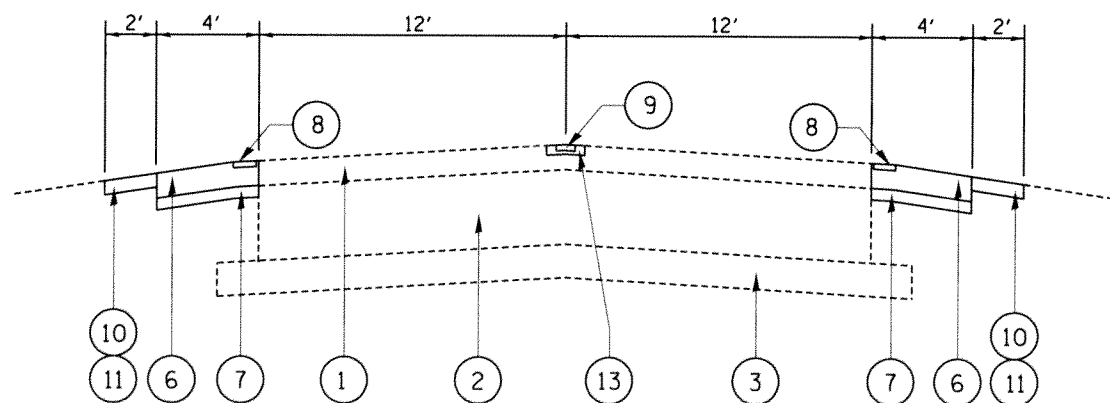
\* SPECIALTY ITEMS  
 NON-PARTICIPATING ITEMS

FILE NAME: *	USER NAME: * 376650	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.P. RTE. 557	SECTION 2013-0481	COUNTY KANE	TOTAL SHEETS 24	SHEET NO. 3
CONTRACT NO. 60X02	PLANT SCALE: 1/8" = 100'-0"	DRAWN -	REVISED -					SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60X02	PLANT DATE: 5/24/2014	CHECKED -	REVISED -													
CONTRACT NO. 60X02		DATE -	REVISED -													



**EXISTING TYPICAL SECTION**

STA. 2+41 TO 17+65  
 STA. 20+61 TO 44+75  
 STA. 49+84 TO 72+00  
 STA. 81+00 TO 88+00  
 STA. 91+90 TO 107+19  
 STA. 109+19 TO 119+91



**PROPOSED TYPICAL SECTION**

STA. 2+41 TO 17+65  
 STA. 20+61 TO 44+75  
 STA. 49+84 TO 72+00  
 STA. 81+00 TO 88+00  
 STA. 91+90 TO 107+19  
 STA. 109+19 TO 119+91

**LEGEND:**

- ① EXIST. HOT-MIX ASPHALT SURFACE, ±6"
- ② EXIST. P.C.C. PAVEMENT, ±9"
- ③ EXIST. STABILIZED SUB-BASE
- ④ EXIST. AGGREGATE SHOULDERS
- ⑤ EXIST. GUARDRAIL
- ⑥ PROP. HOT-MIX ASPHALT SHOULDER, 8"
- ⑦ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑧ PROP. SHOULDER RUMBLE STRIPS (8" WIDE)
- ⑨ PROP. CENTERLINE RUMBLE STRIPS (16" WIDE)
- ⑩ PROP. GRADING AND SHAPING SHOULDERS (WHERE NECESSARY)
- ⑪ PROP. AGGREGATE SHOULDERS, TYPE B (WHERE NECESSARY)
- ⑫ PROP. PARTIAL DEPTH REMOVAL, 3"
- ⑬ PROP. PARTIAL DEPTH PATCHING
- ⑭ PROP. STEEL PLATE BEAM GUARDRAIL

▨ DENOTES ITEMS TO BE REMOVED

**MIXTURE REQUIREMENTS FOR SHOULDER RECONSTRUCTION**

MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
HOT-MIX ASPHALT BINDER COURSE, 6" (HMA BINDER, IL-19MM)	4% @ 70 GYR.	OCP
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 2" (IL-9.5MM)	4% @ 70 GYR.	OCP

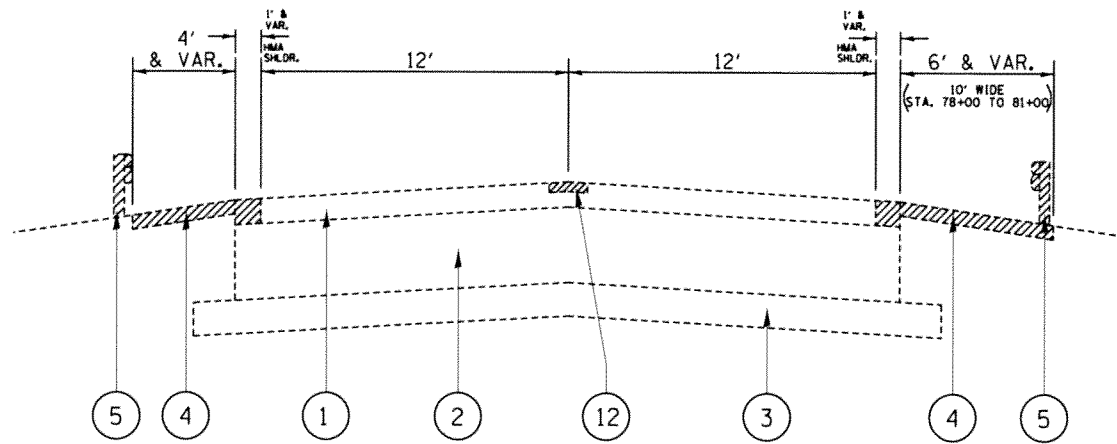
OMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (OCP)

**NOTES:**

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS./SQ. YD./ IN.

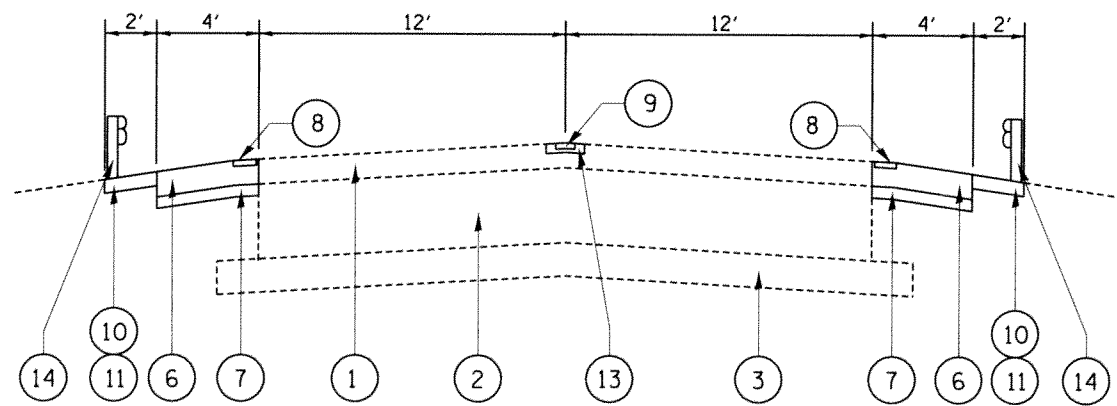
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE



**EXISTING TYPICAL SECTION**

STA. 17+65 TO 20+61  
 STA. 44+75 TO 46+76  
 STA. 47+22 TO 49+84  
 STA. 72+00 TO 75+00  
 STA. 75+96 TO 81+00  
 STA. 88+00 TO 91+90  
 STA. 107+19 TO 109+19



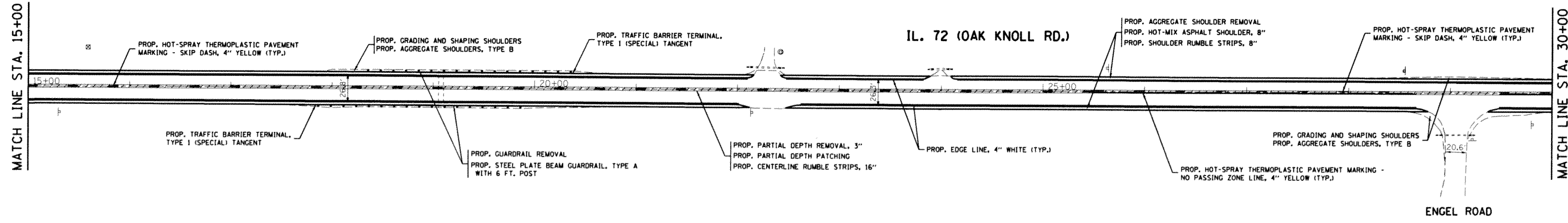
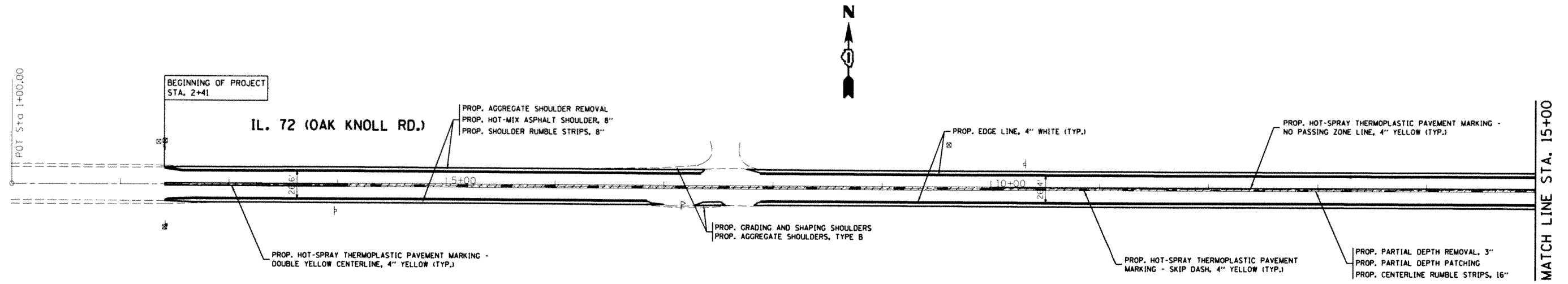
**PROPOSED TYPICAL SECTION**

STA. 17+65 TO 20+61  
 STA. 44+75 TO 46+76  
 STA. 47+22 TO 49+84  
 STA. 72+00 TO 75+00  
 STA. 75+96 TO 81+00  
 STA. 88+00 TO 91+90  
 STA. 107+19 TO 109+19

**LEGEND:**

- ① EXIST. HOT-MIX ASPHALT SURFACE, ±6"
  - ② EXIST. P.C.C. PAVEMENT, ±9"
  - ③ EXIST. STABILIZED SUB-BASE
  - ④ EXIST. AGGREGATE SHOULDERS
  - ⑤ EXIST. GUARDRAIL
  - ⑥ PROP. HOT-MIX ASPHALT SHOULDER, 8"
  - ⑦ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
  - ⑧ PROP. SHOULDER RUMBLE STRIPS (8" WIDE)
  - ⑨ PROP. CENTERLINE RUMBLE STRIPS (16" WIDE)
  - ⑩ PROP. GRADING AND SHAPING SHOULDERS (WHERE NECESSARY)
  - ⑪ PROP. AGGREGATE SHOULDERS, TYPE B (WHERE NECESSARY)
  - ⑫ PROP. PARTIAL DEPTH REMOVAL, 3"
  - ⑬ PROP. PARTIAL DEPTH PATCHING
  - ⑭ PROP. STEEL PLATE BEAM GUARDRAIL
- ▨ DENOTES ITEMS TO BE REMOVED

FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwsdot\stedpa\d0361158\01417	3-Design.dgn	DRAWN -	REVISED -		F.A.P. 557/ IL 72 (OAK KNOLL RD.)--DE KALB COUNTY LINE TO FRENCH RD.	557	2013-0481	KANE	24	5		
	PLOT SCALE = 100.0000 1/ in.	CHECKED -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60X02			
	PLOT DATE = 3/21/2014	DATE -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							



FILE NAME =  
 c:\pw\work\p\dot\stedpa\d0361168\01417

USER NAME = steedpa  
 3-Design.dgn  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/21/2014

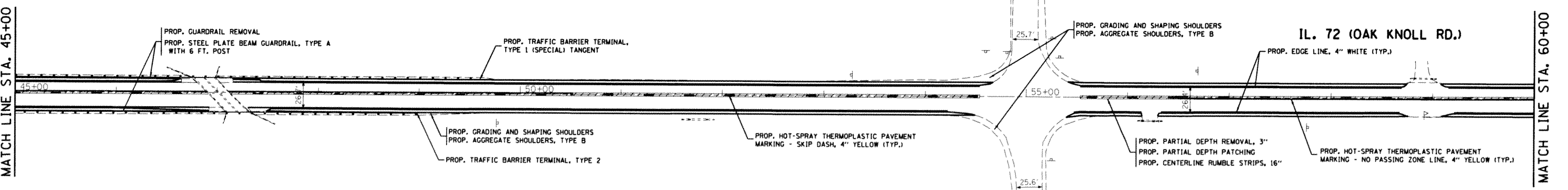
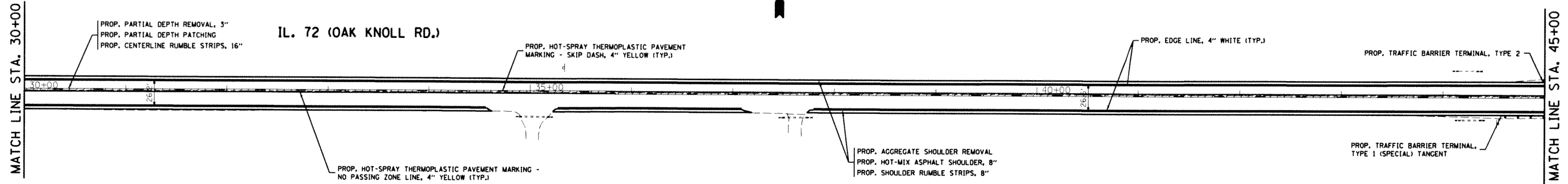
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

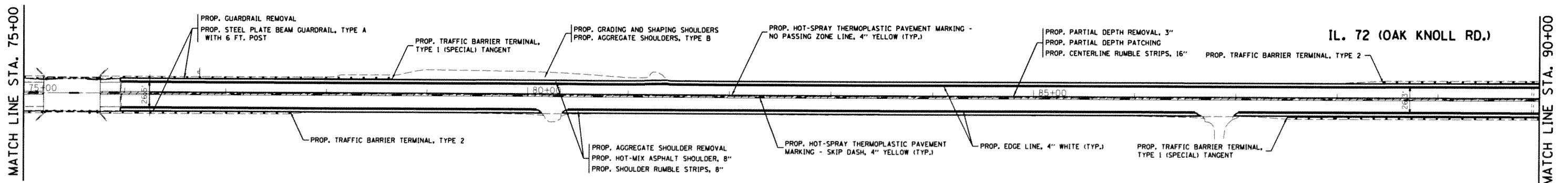
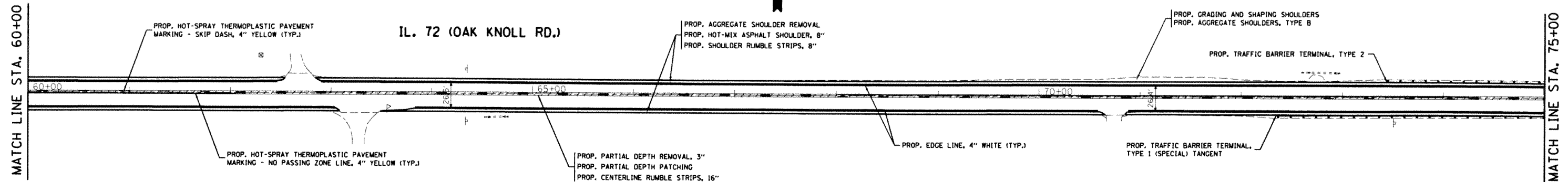
**ROADWAY PLANS**  
**IL. 72 (OAK KNOLL RD.)--DEKALB COUNTY LINE TO FRENCH RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
557	2013-0481	KANE	24	6
CONTRACT NO. 60X02				
ILLINOIS FED. AID PROJECT				

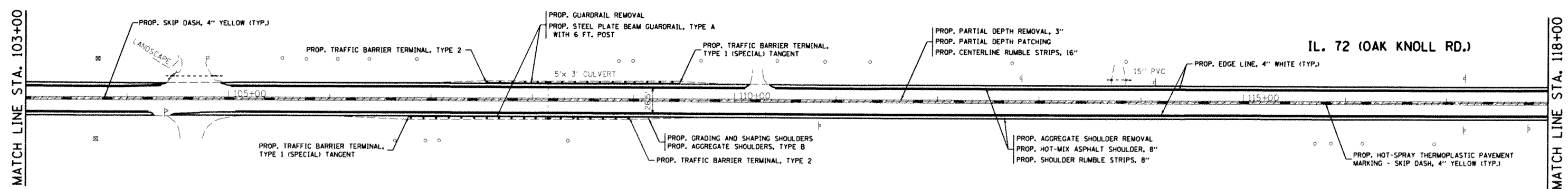
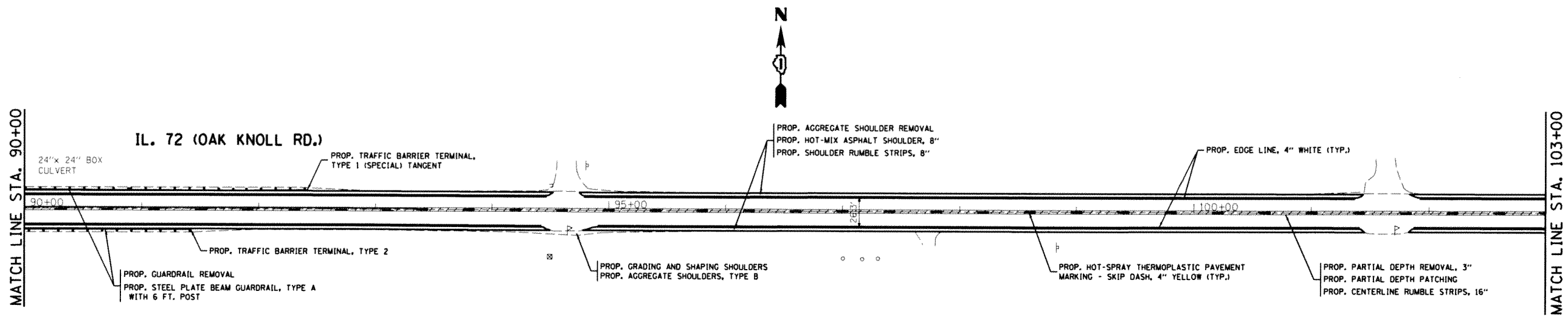


FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLANS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\pwsdot\stedpa\d0361168\01417	3-Design.dgn	DRAWN -	REVISED -		<b>IL. 72 (OAK KNOLL RD.)--DEKALB COUNTY LINE TO FRENCH RD.</b>			557	2013-0481	KANE	24	7
Default	PLOT SCALE = 100.0000 1/16"	CHECKED -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	<b>CONTRACT NO. 60X02</b>		
	PLOT DATE = 3/21/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

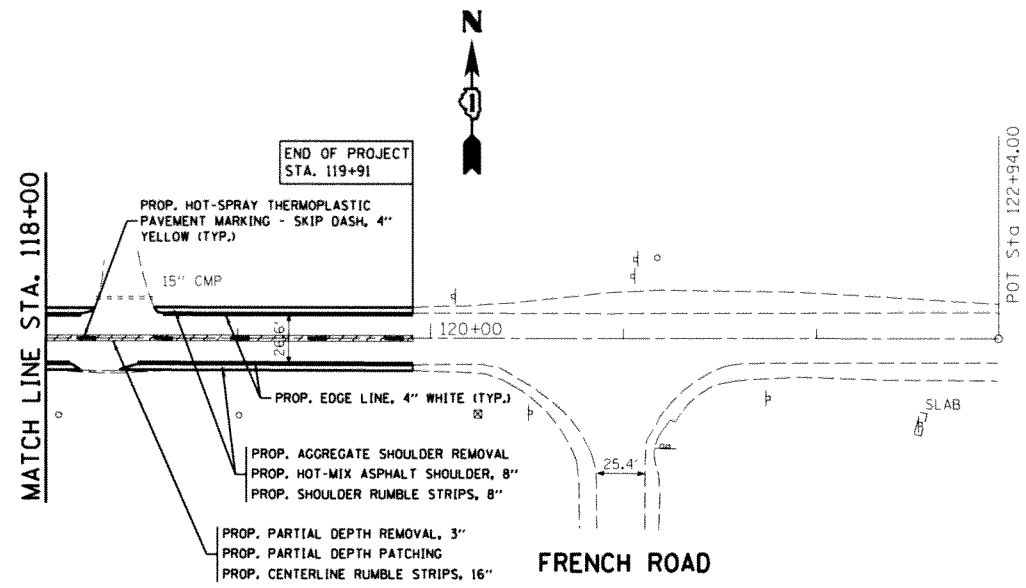


FILE NAME *	USER NAME *	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLANS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwsdot\steadpa\0361168\07417	3-Design.dgn	DRAWN -	REVISED -		<b>IL. 72 (OAK KNOLL RD.)--DEKALB COUNTY LINE TO FRENCH RD.</b>			557	2013-0481	KANE	24	8
	PLOT SCALE = 100,0000 1/ in.	CHECKED -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	<b>CONTRACT NO. 60X02</b>		
Default	PLOT DATE = 3/21/2014	DATE -	REVISED -		<small>ILLINOIS FED. AID PROJECT</small>							

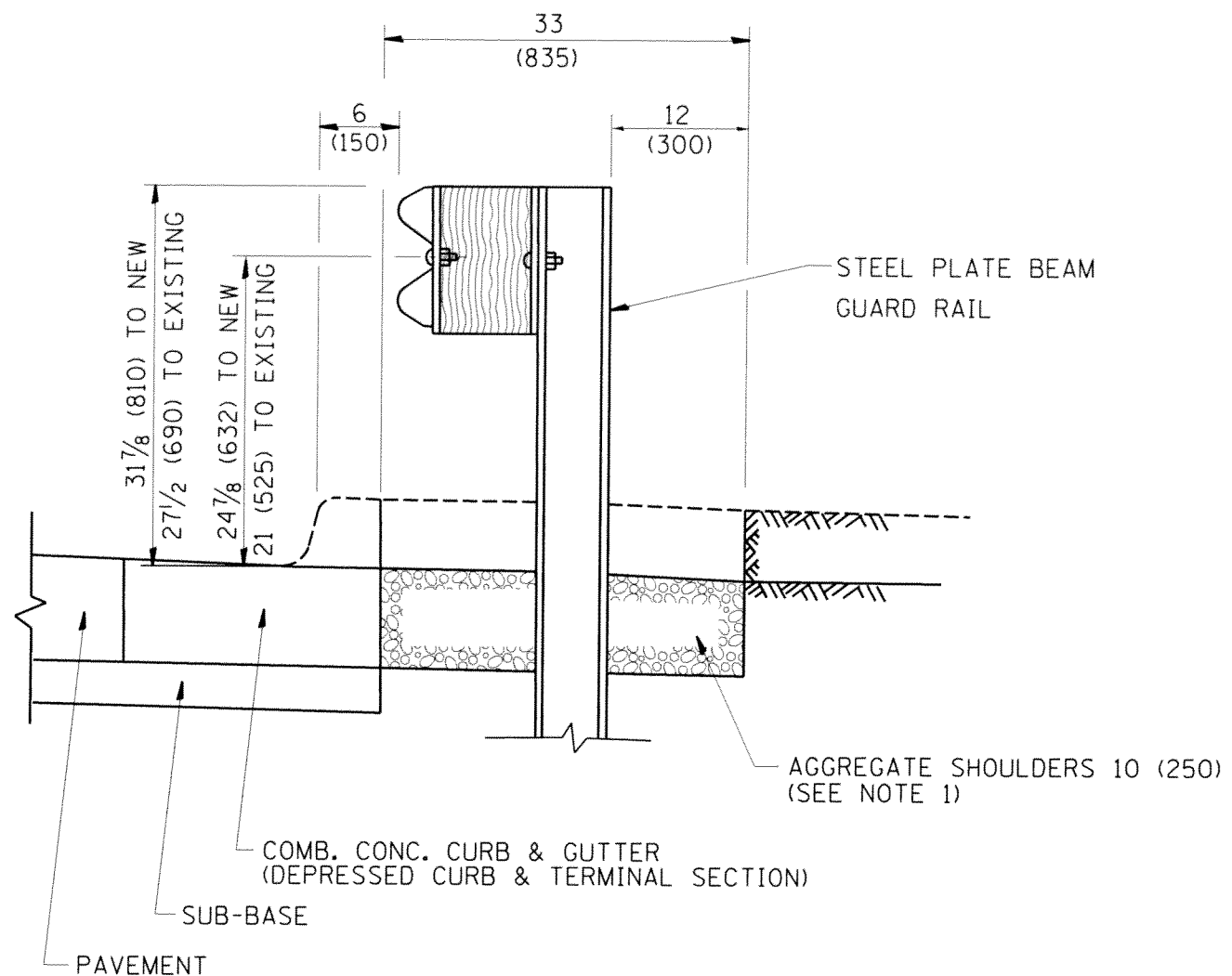




FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLANS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwwdot\steedpa\d0361168\01417	3-Design.dgn	DRAWN -	REVISED -		<b>IL. 72 (OAK KNOLL RD.)--DEKALB COUNTY LINE TO FRENCH RD.</b>			557	2013-0481	KANE	24	9	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60X02</b>	
	PLOT DATE = 3/21/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



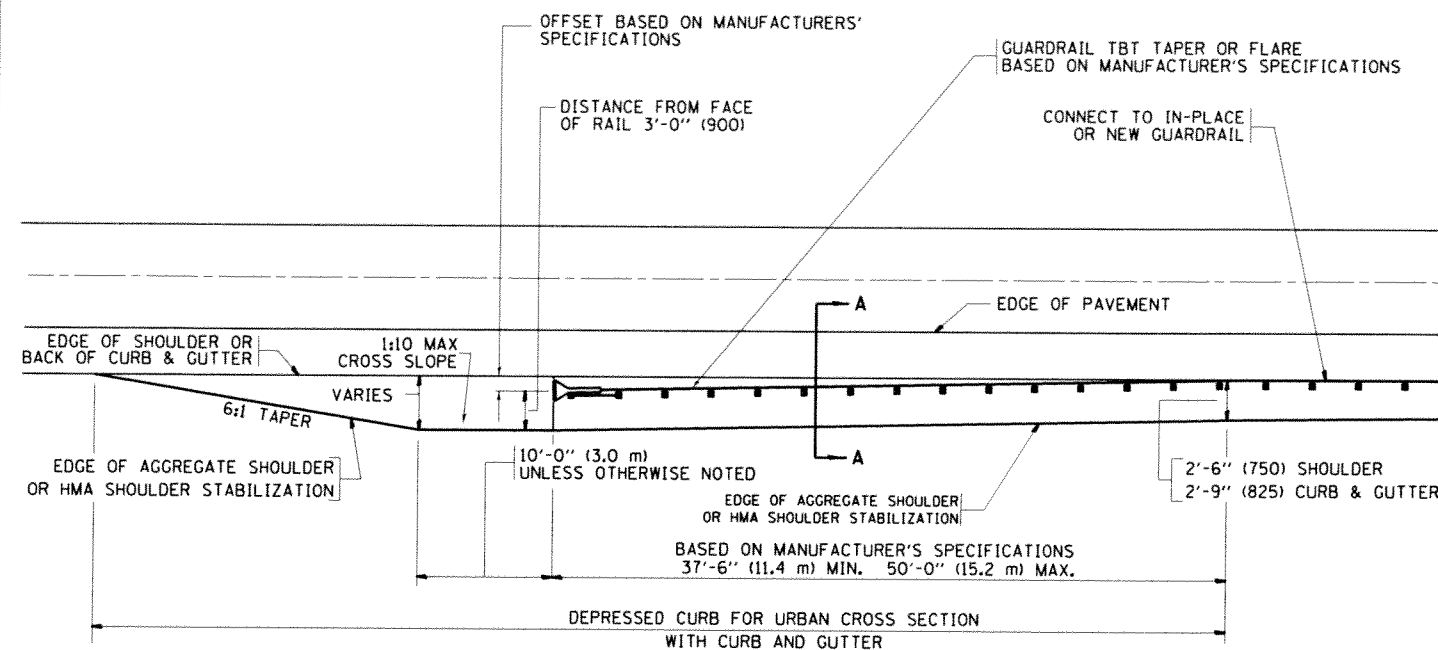
FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLANS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwork\stedpa\0351158\01417	3-Design.dgn	DRAWN -	REVISED -		<b>IL. 72 (OAK KNOLL RD.)--DEKALB COUNTY LINE TO FRENCH RD.</b>			557	2013-0481	KANE	24	10
Default	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -					<b>CONTRACT NO. 60X02</b>				
	PLOT DATE = 3/21/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



**SECTION A-A**

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
  2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
  3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

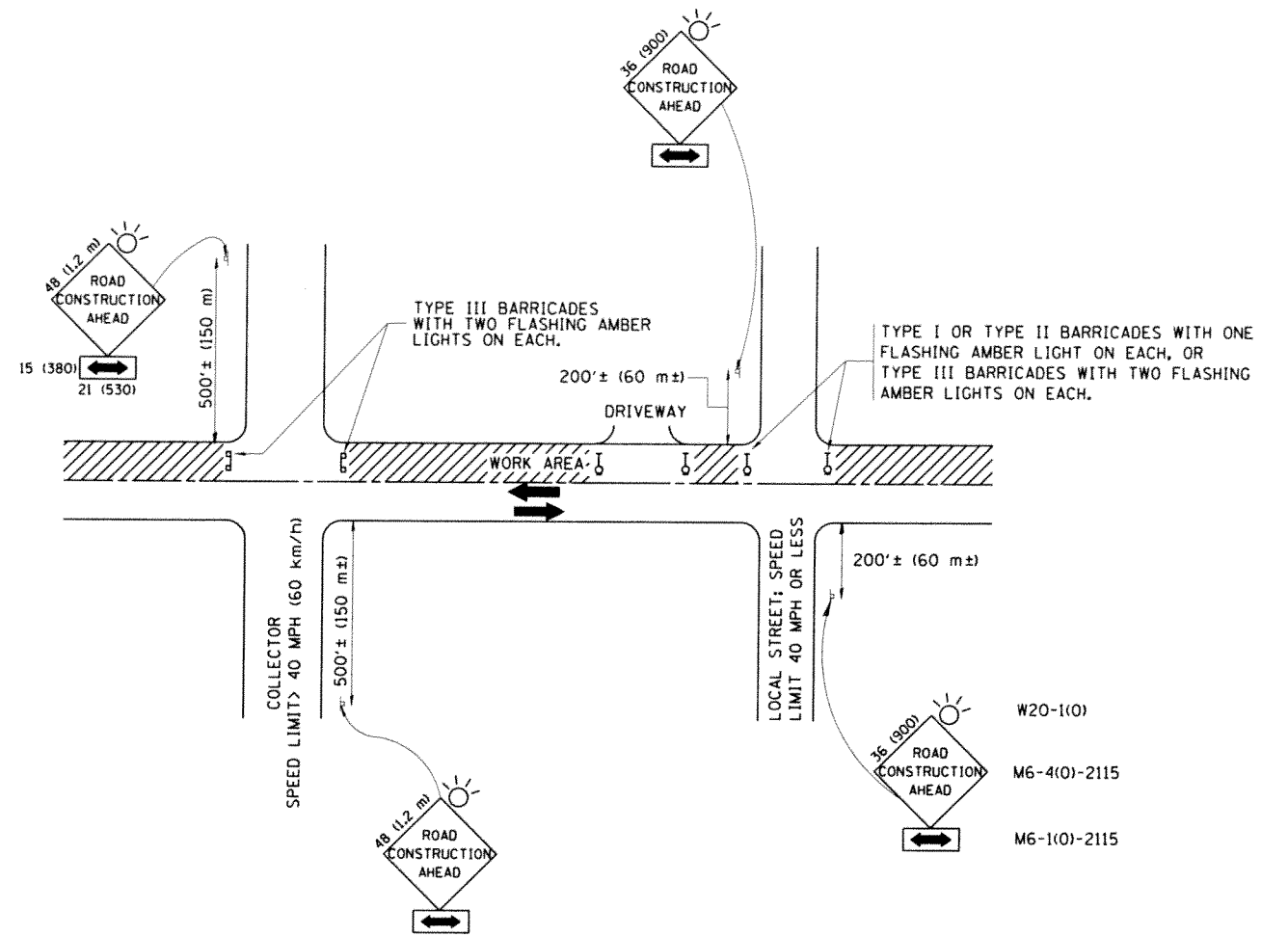
TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\p\work\p\dot\stedps\d0329923\Dist\d.dgn	USER NAME = stedps	DESIGNED - M. DE YONG	REVISED - E. GOMEZ 08-28-00
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000 1/1 in.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 3/20/2014	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR DEPRESSED CURB &amp; GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL.</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 557	SECTION 2013-0481	COUNTY KANE	TOTAL SHEETS 24	SHEET NO. 11
BD600-10 (BD 34)		CONTRACT NO. 60X02		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



### TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

#### NOTES:

##### A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

##### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = steedpa	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
c:\pwwork\pwwork\stedpa\0324923\Dist	std.dgn	DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLDT SCALE = 100.0000 / 1 in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLDT DATE = 3/28/2014	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

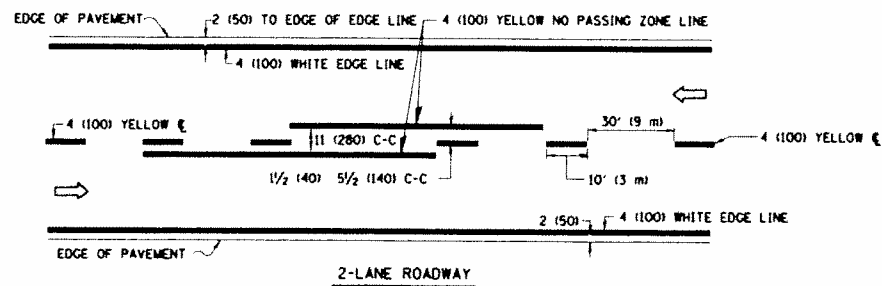
SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

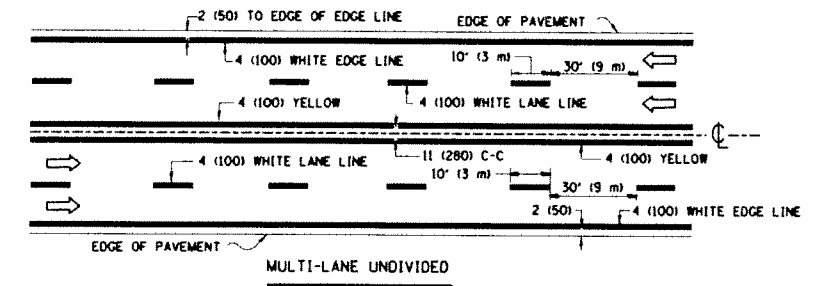
STA.

TO STA.

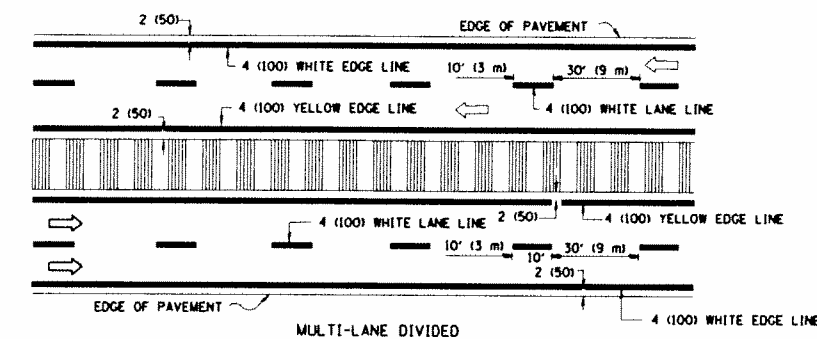
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
557	2013-0481	KANE	24	12
TC-10			CONTRACT NO. 60X02	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



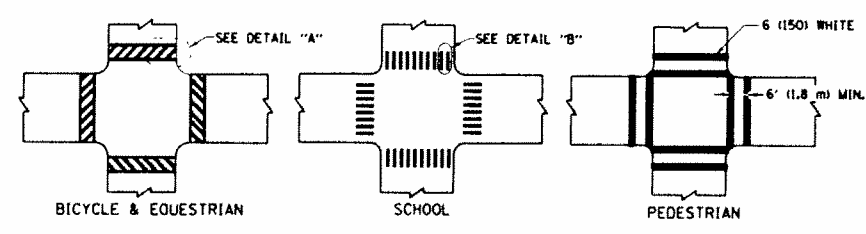
MULTI-LANE UNDIVIDED



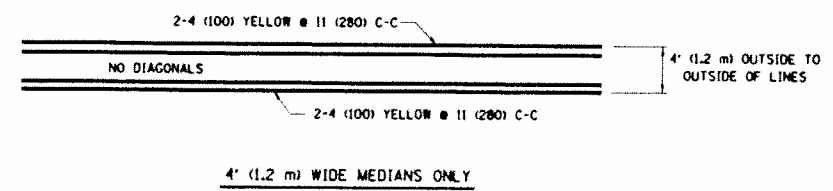
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

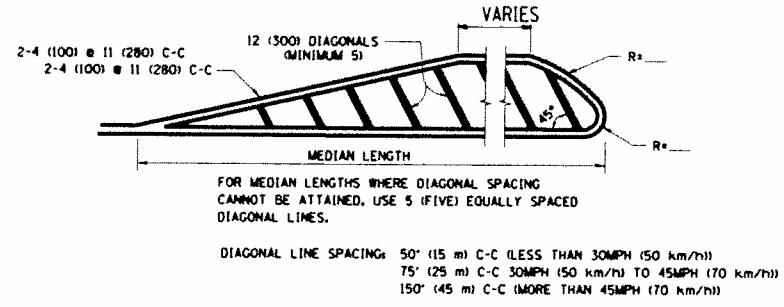
TYPICAL LANE AND EDGE LINE MARKING



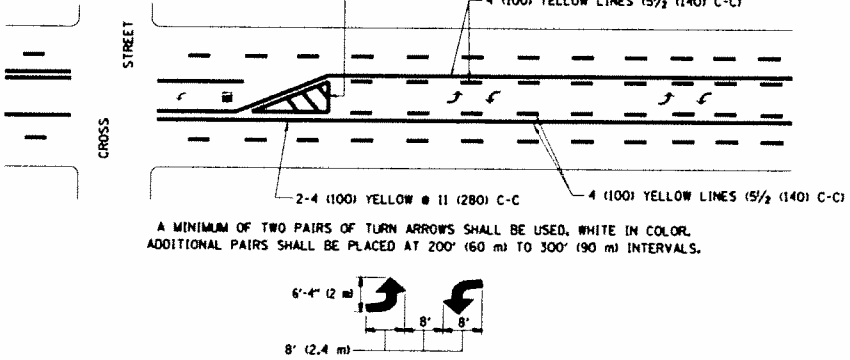
TYPICAL CROSSWALK MARKING



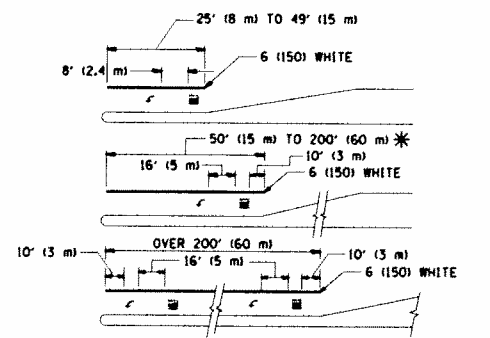
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



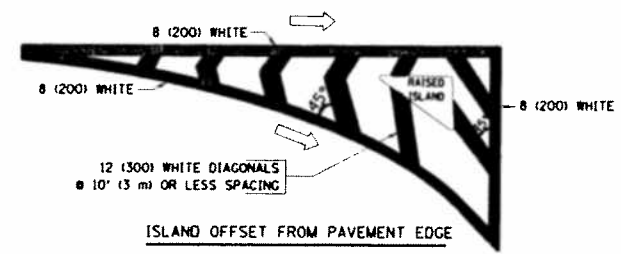
TYPICAL PAINTED MEDIAN MARKING



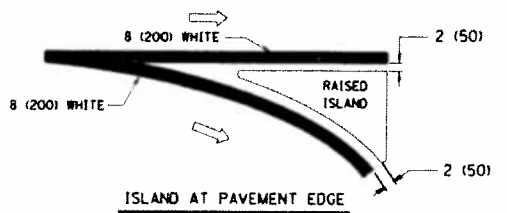
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>). AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>). \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

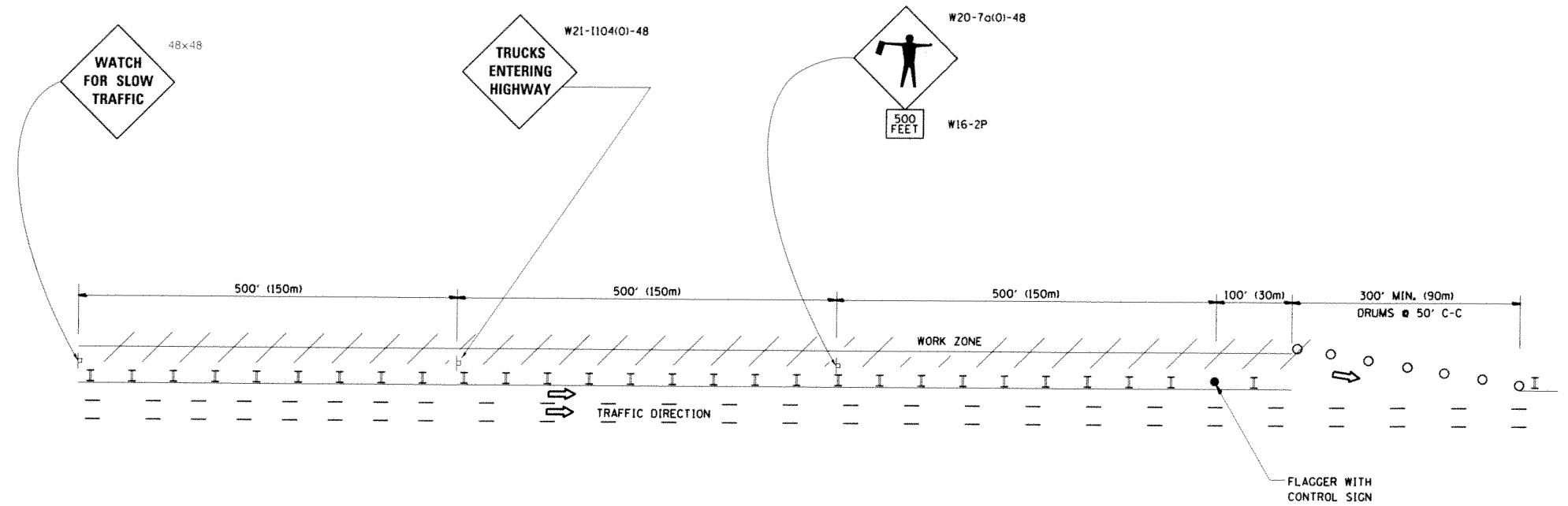
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

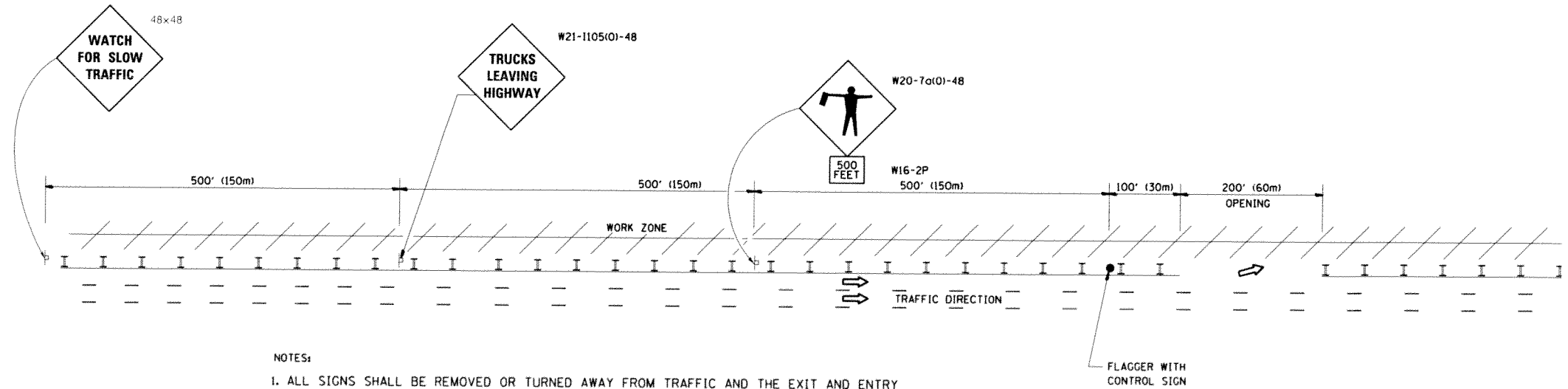
All dimensions are in inches (millimeters) unless otherwise shown.

# SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

## WORK ZONE EXIT OPENING



## WORK ZONE ENTRY OPENING



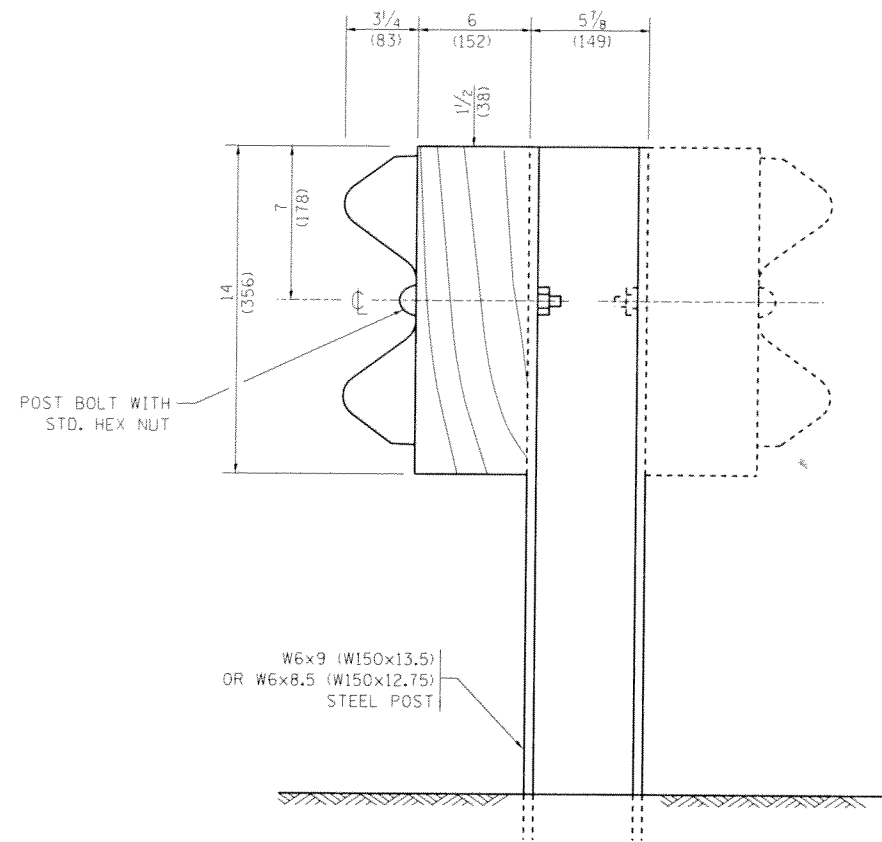
**NOTES:**

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

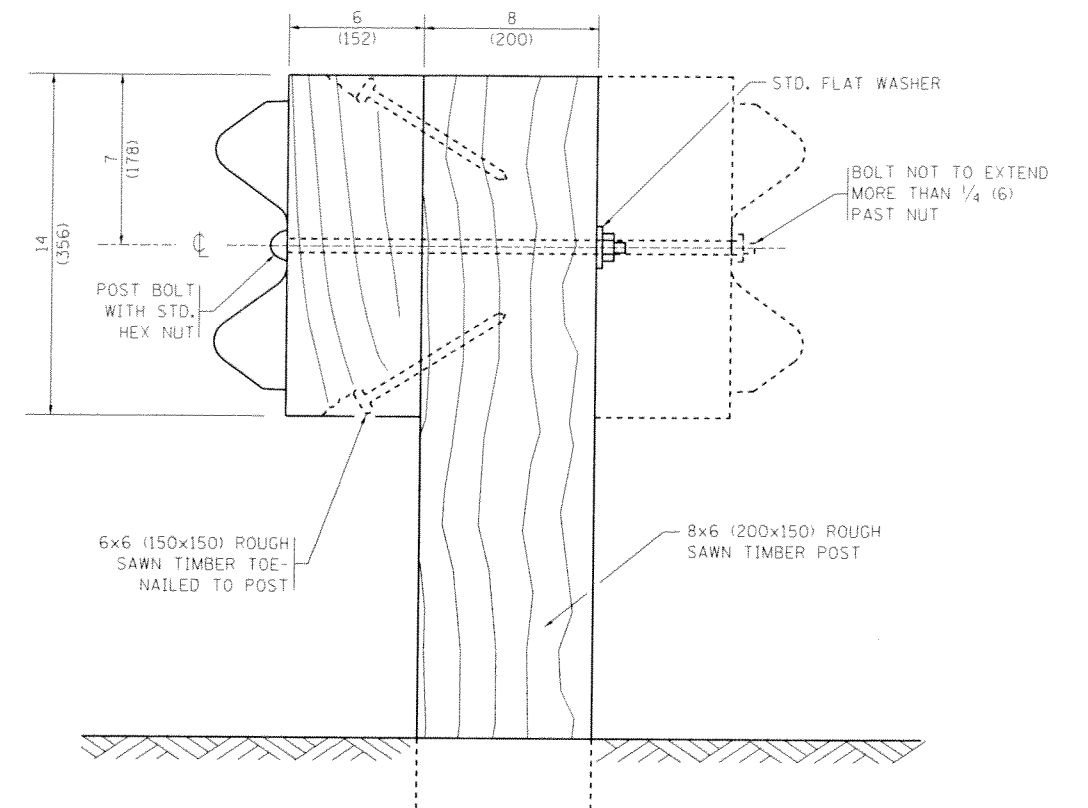
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = steeppa	DESIGNED -	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAY/EXPRESSWAYS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\steeppa\0329923\Dist\td.dgn		DRAWN -	REVISED - S.P.B. 01-07					557	2013-0481	KANE	24	14
		CHECKED -	REVISED - S.P.B. 12-09		SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		
		DATE -	REVISED - M.D. 06-13		TC-18			CONTRACT NO. 60X02				
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

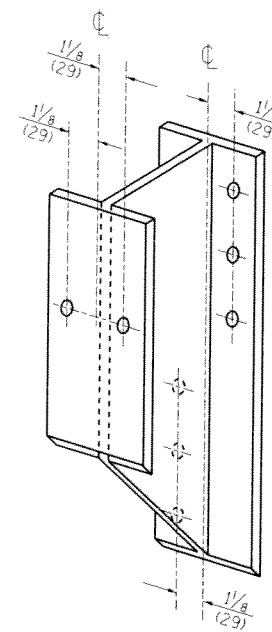




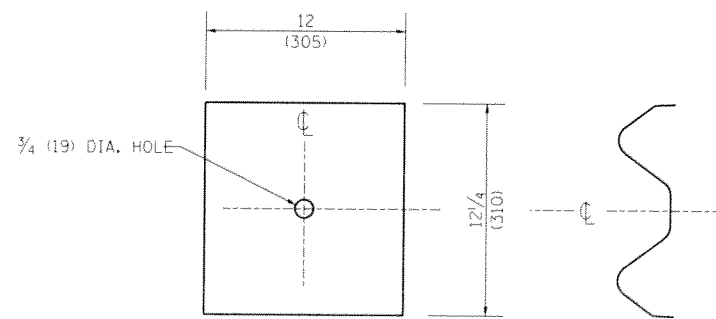
**STEEL POST CONSTRUCTION**



**WOOD POST CONSTRUCTION**



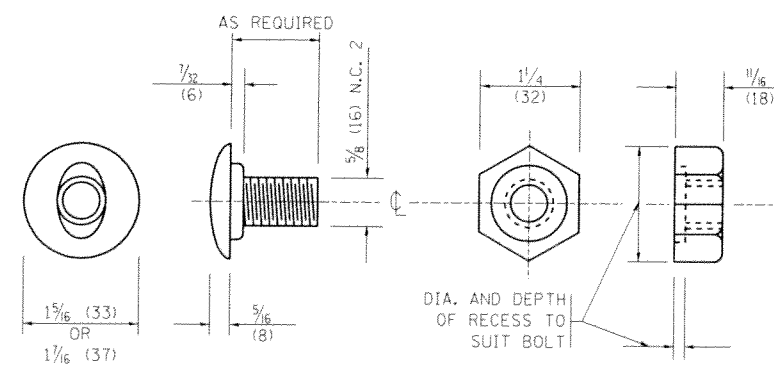
**STEEL BLOCK-OUT DETAIL**



**NOTE:**

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

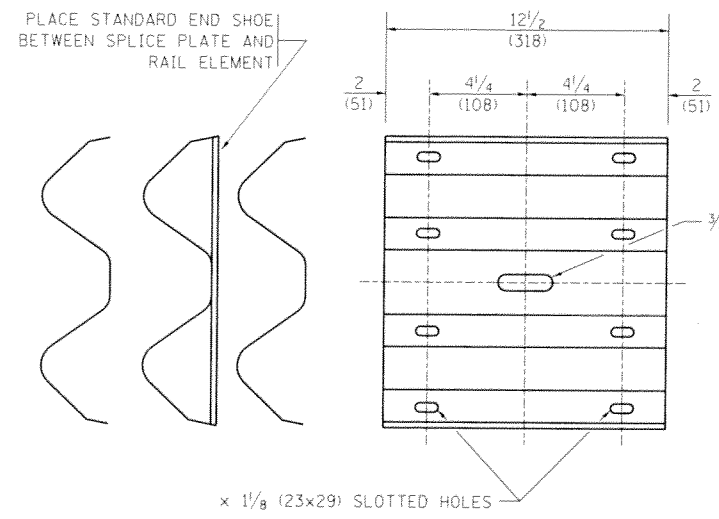
**PLATE A**



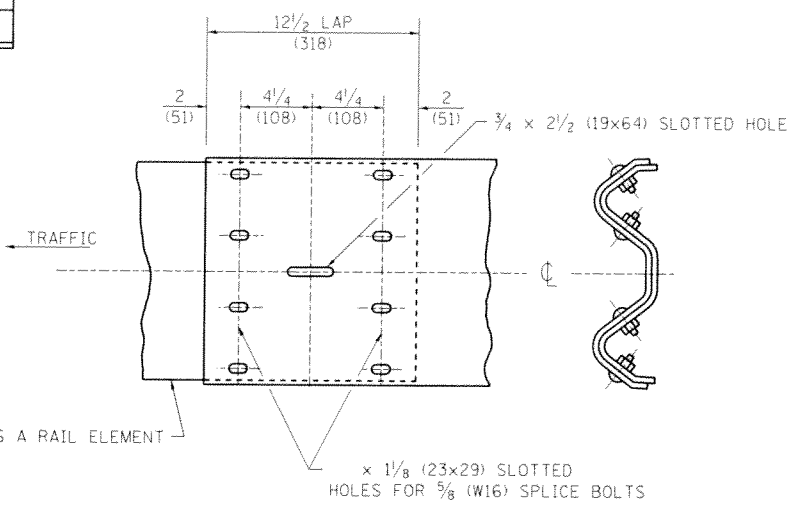
**POST OR SPLICE BOLT & NUT**

FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED - 10-31-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pwork\pwork\stedpa\d0329923\Dist\td.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	557	2013-0481	KANE	24	16
		CHECKED -	REVISED -						<b>BM-21</b>		<b>CONTRACT NO. 60X02</b>		
		DATE -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

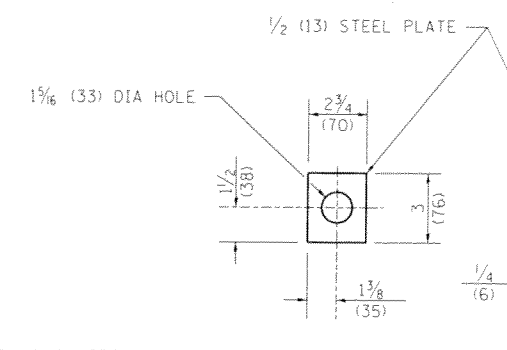




**SPLICE PLATE**



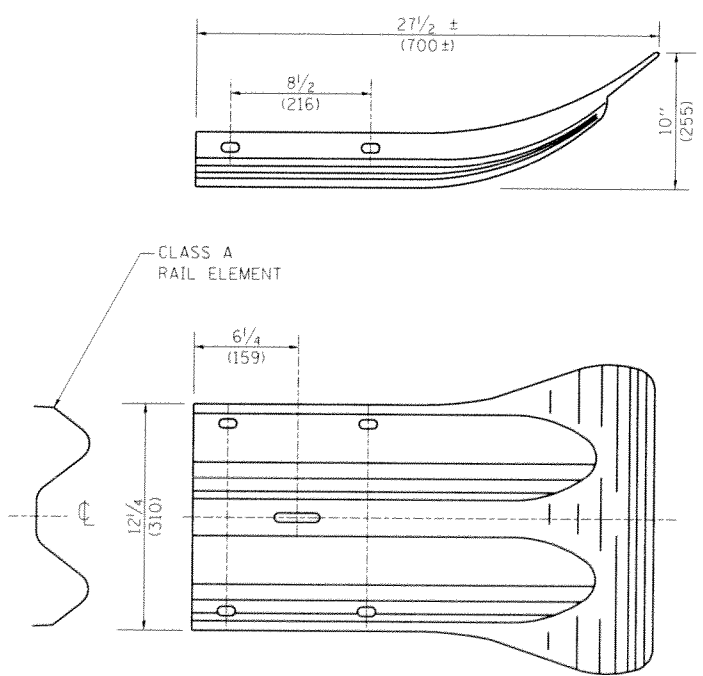
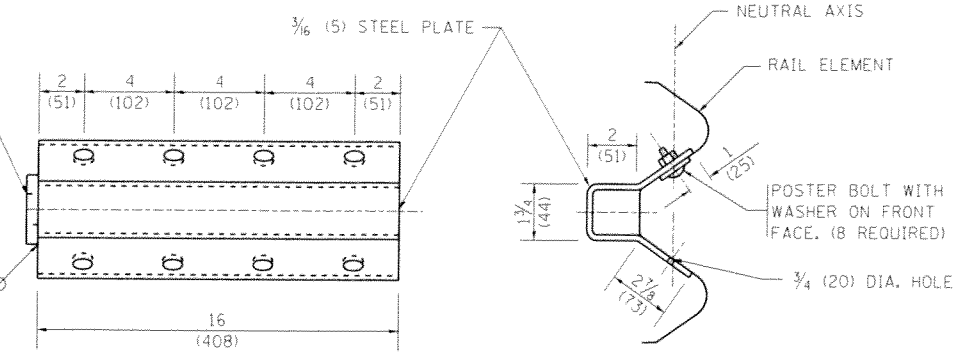
**RAIL ELEMENT SPLICE**



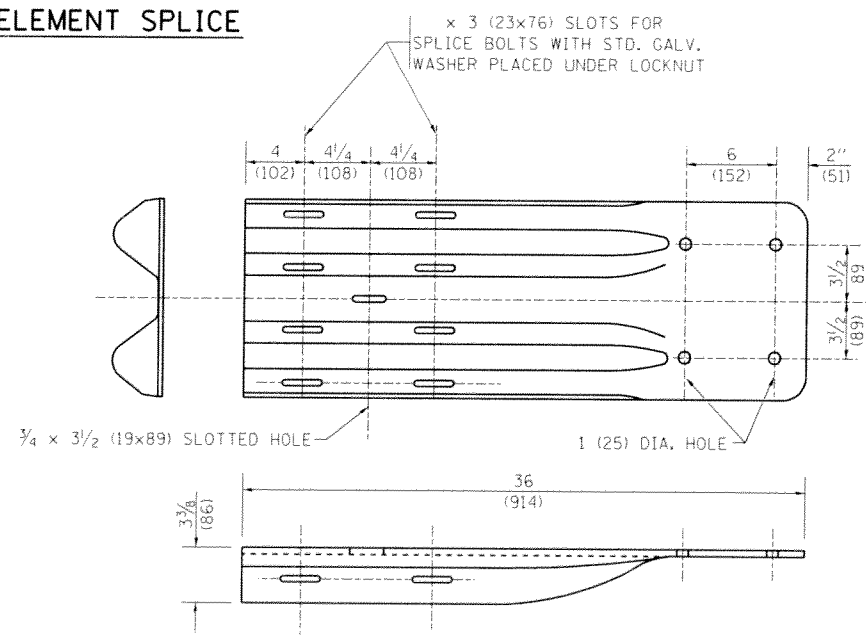
**NOTE:**

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHORE PLATE T DETAILS**



**END SECTION**



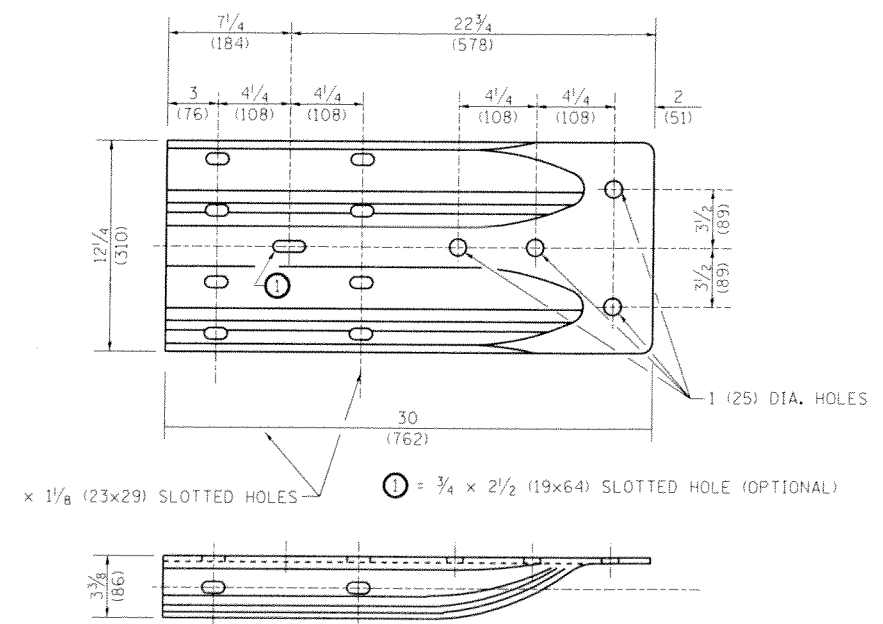
**END SHOE**

**NOTE:**

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

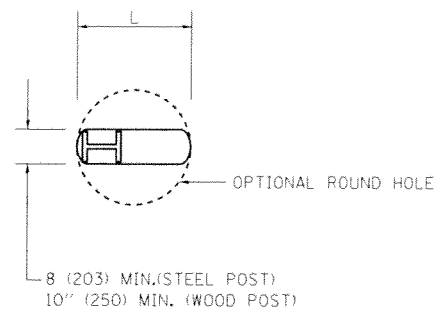
THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.

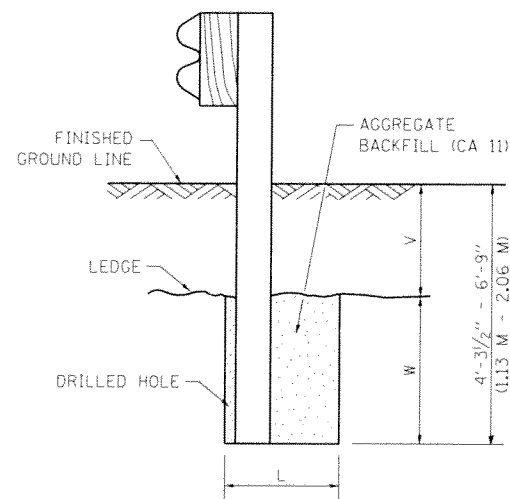


**ALTERNATE END SHOE**

FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED - 10-31-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\steedpa\08329923\Dist\d.dgn	PLDT SCALE = 100.0000' / 1"	DRAWN -	REVISED -					557	2013-0481	KANE	24	17
PLDT DATE = 3/28/2014	DATE -	CHECKED -	REVISED -					<b>BM-21</b>			<b>CONTRACT NO. 60X02</b>	
		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.					



**PLAN**

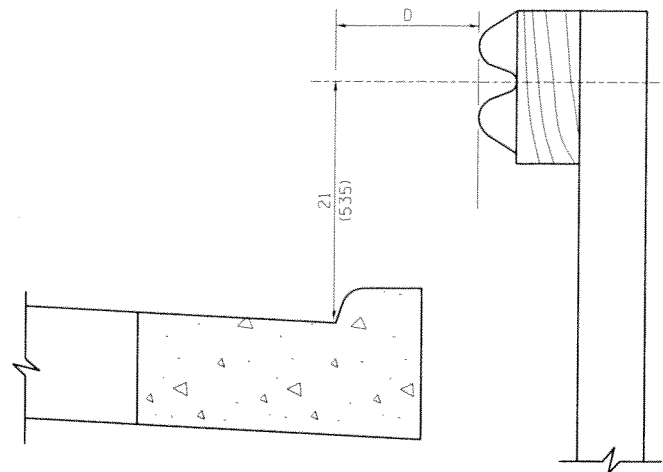


**NOTE:**

LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED**



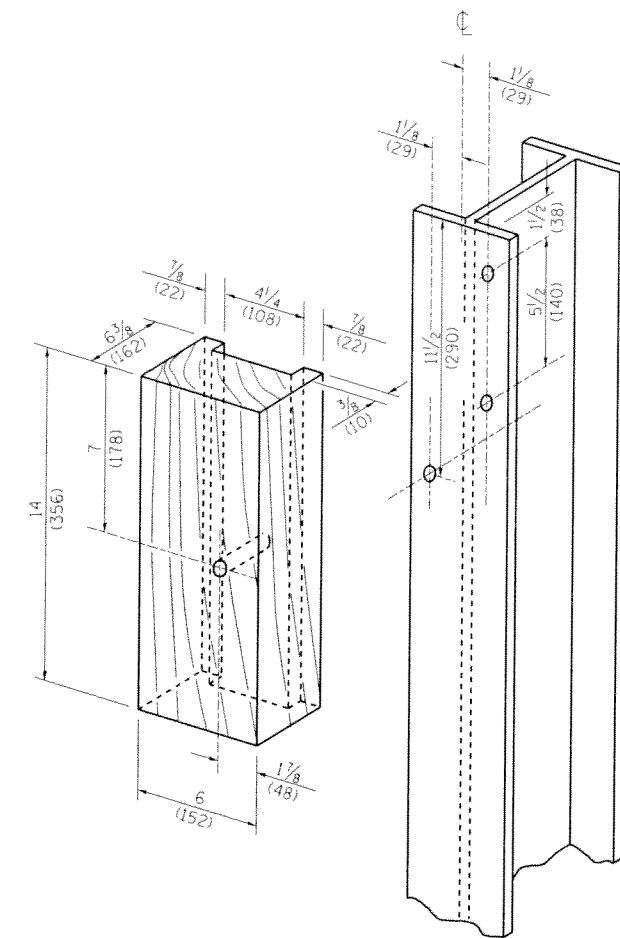
**NOTE:**

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

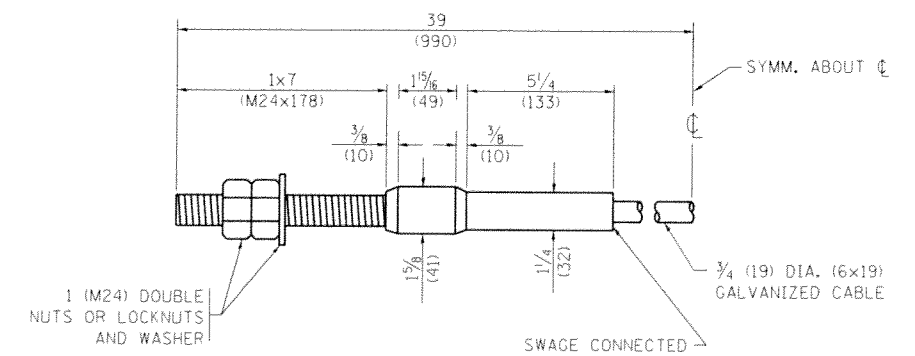
**GUARDRAIL PLACED BEHIND CURB**

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



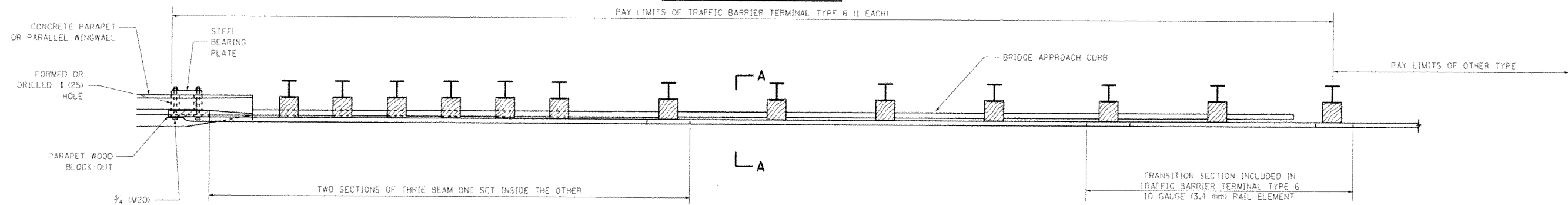
**WOOD BLOCK-OUT AND STEEL POST DETAILS**



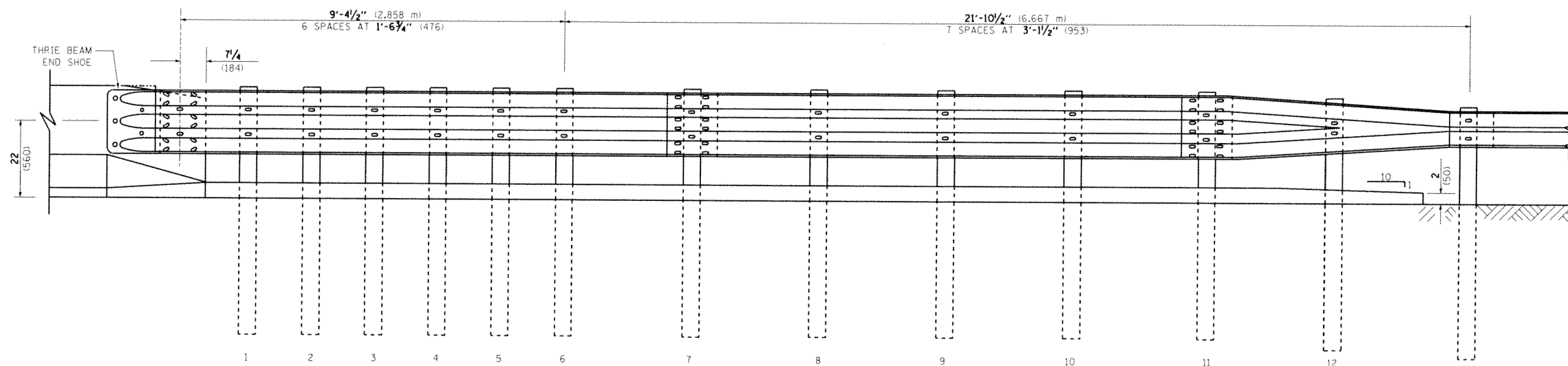
**CABLE ASSEMBLY**

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH) TIGHTEN TO TAUT TENSION

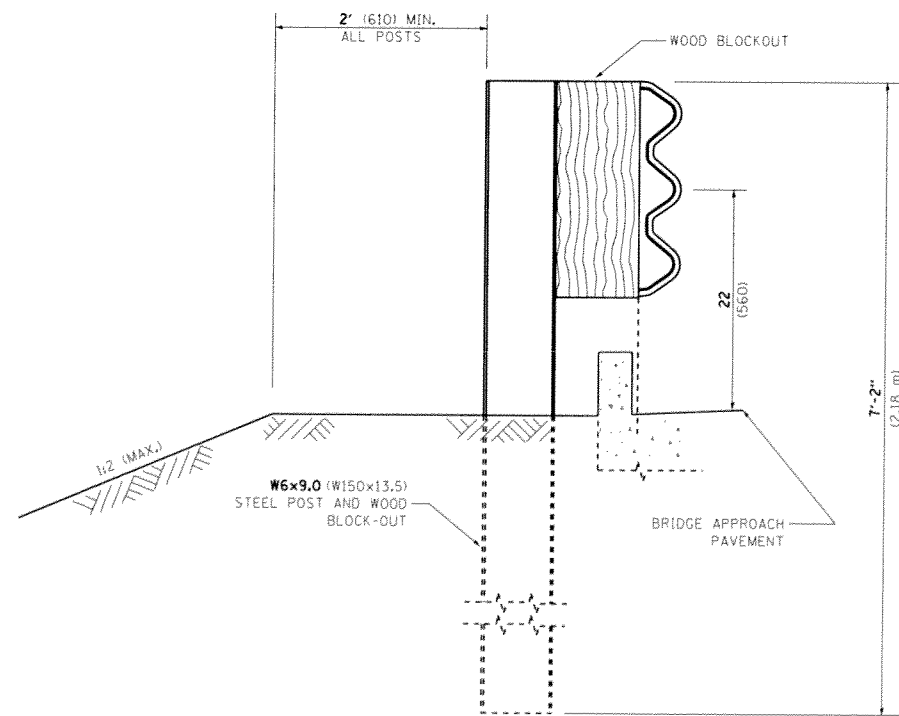
**PARAPET OR WINGWALL**



**PLAN**



**ELEVATION**



**SECTION A-A**

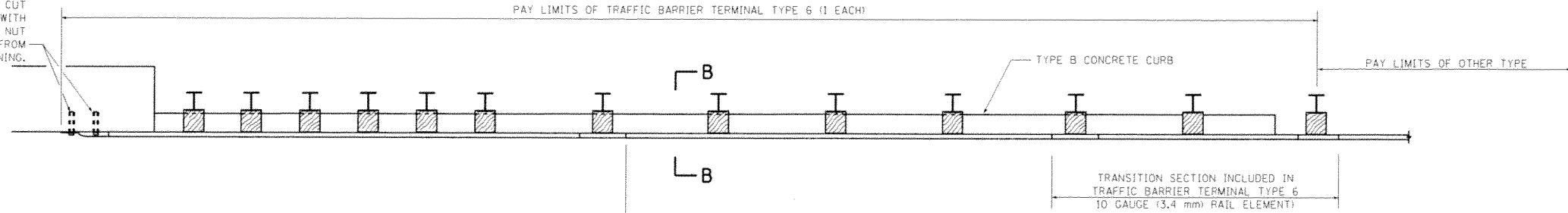
**GENERAL NOTES**

- TO BE USED WHEN CONNECTING TO EXISTING GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
- SEE STANDARD 630001 FOR DETAILS OF GUARDRAIL NOT SHOWN.
- THRIE BEAM RAIL SHALL BE BOLTED TO BLOCK-OUT AT ALL POSTS.
- SEE STANDARD 420401 FOR DETAILS OF BRIDGE APPROACH PAVEMENT.
- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

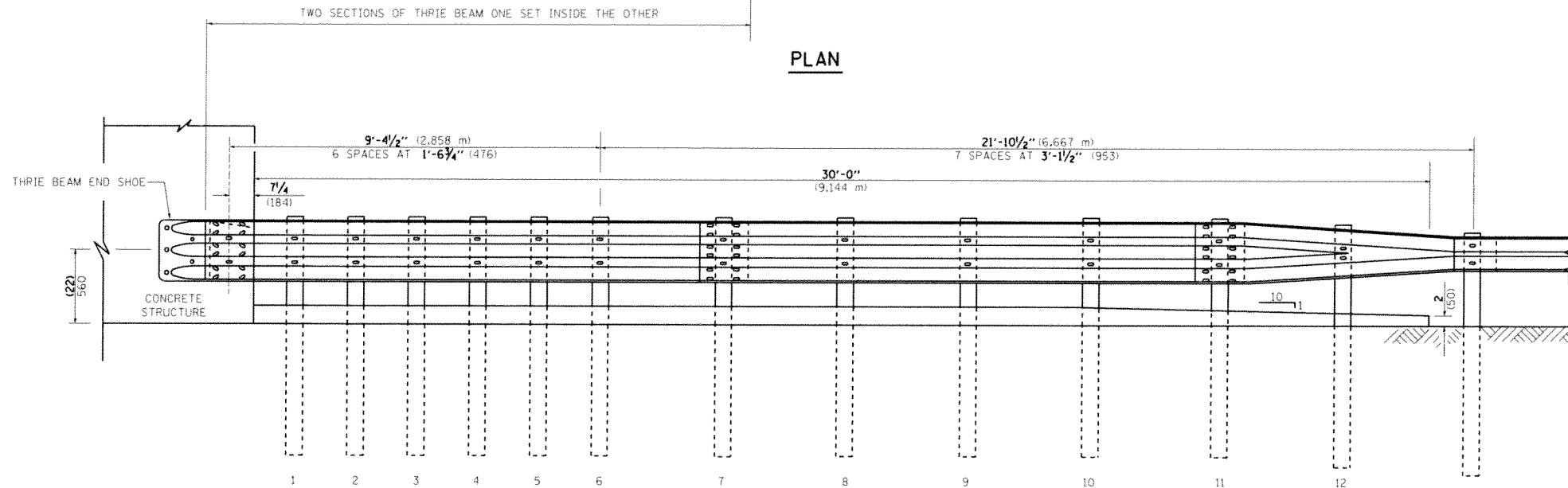
FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED - STATE STANDARD:	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPE 6 TERMINAL FOR USE WITH 21" HIGH SPBGR</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\stedpa\0329923\Dist	std.dgn	DRAWN -	631031-05 - 02/19/2008		SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	557	2013-0481	KANE	24 19
	PLOT SCALE = 100.0000 / 1 in.	CHECKED -	REVISED -									
	PLOT DATE = 3/20/2014	DATE -	REVISED -									
								<b>BM 22</b>		<b>CONTRACT NO. 60X02</b>		
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**OTHER CONCRETE STRUCTURE**

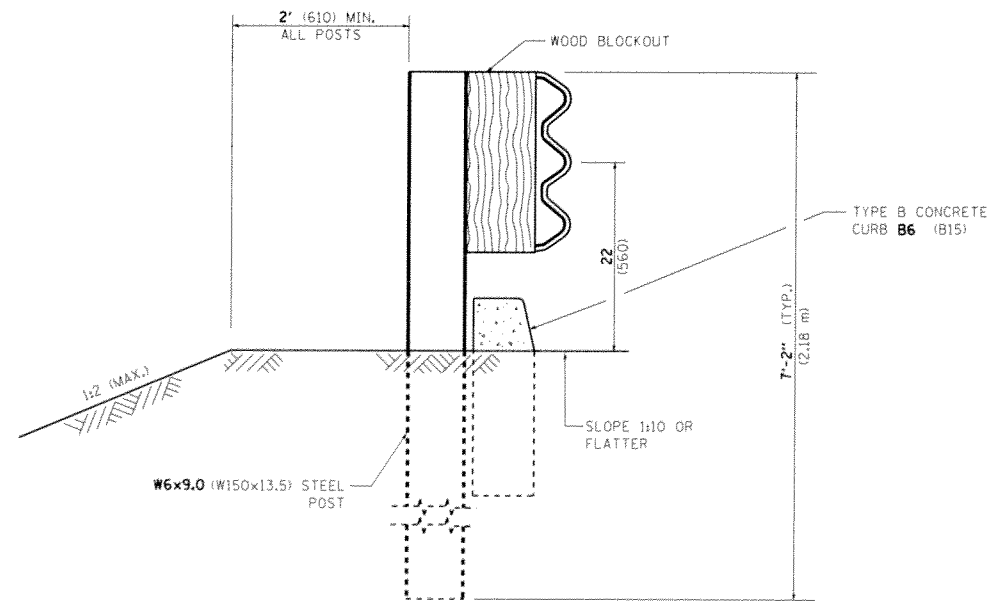
5 EPOXY GROUTED 1/2" (M20) ANCHOR BOLTS WITH STANDARD WASHERS. AFTER TIGHTENING, CUT THE ANCHOR BOLTS FLUSH WITH NUTS, AND DAMAGE THE NUT TO PREVENT IT FROM LOOSENING.



**PLAN**

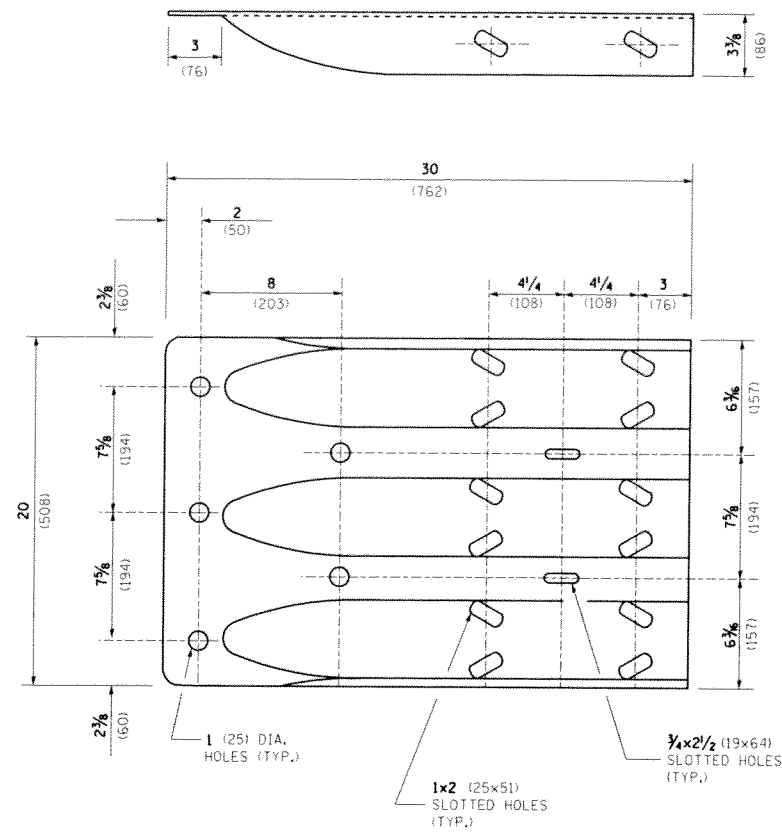


**ELEVATION**

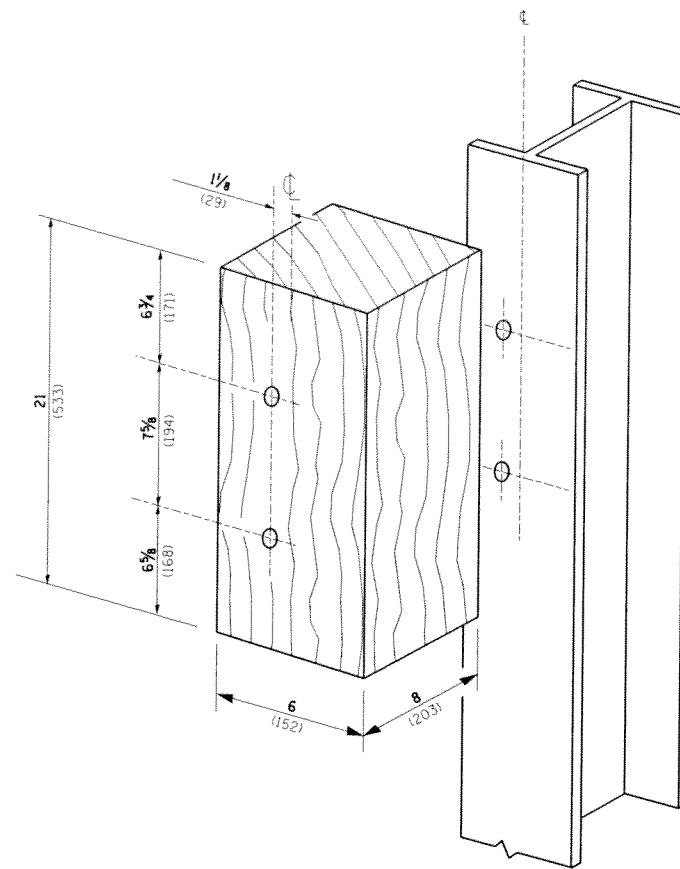


**SECTION B-B**

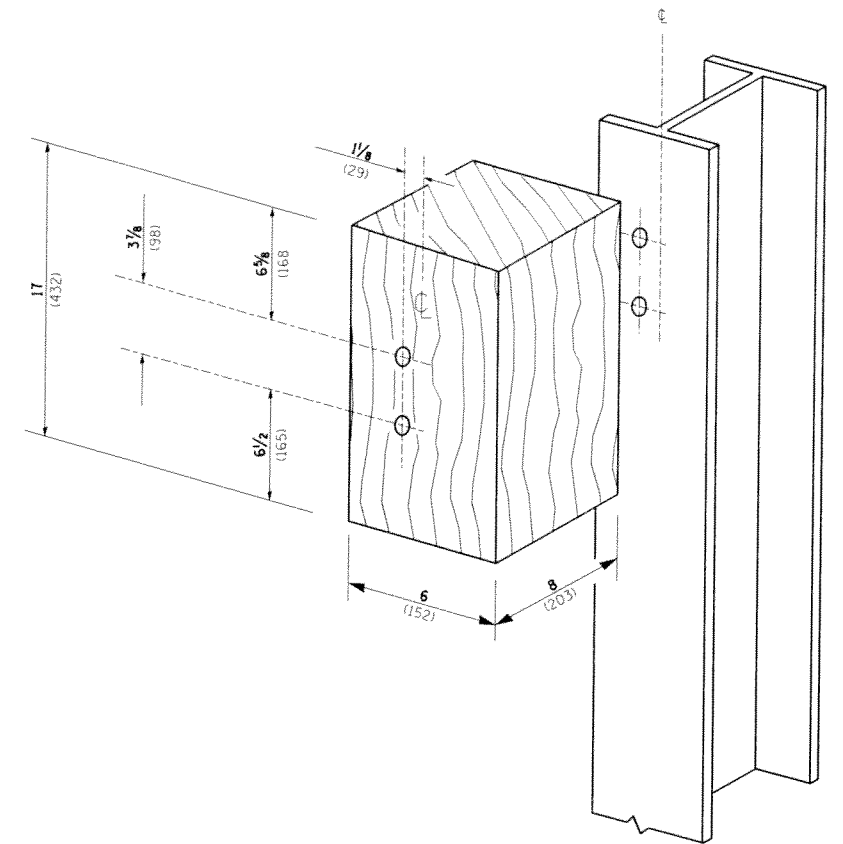
FILE NAME = c:\pw_work\pawdot\steedpa\0329923\Dist\d.dgn	USER NAME = steedpa	DESIGNED -	REVISED - STATE STANDARD:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPE 6 TERMINAL FOR USE WITH 21" HIGH SPBGR		F.A.P. RTE. 557	SECTION 2013-0481	COUNTY KANE	TOTAL SHEETS 24	SHEET NO. 20
	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 2 OF 3 SHEETS	STA. TO STA.	BM 22		CONTRACT NO. 60X02	
PLOT DATE = 3/28/2014	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT			



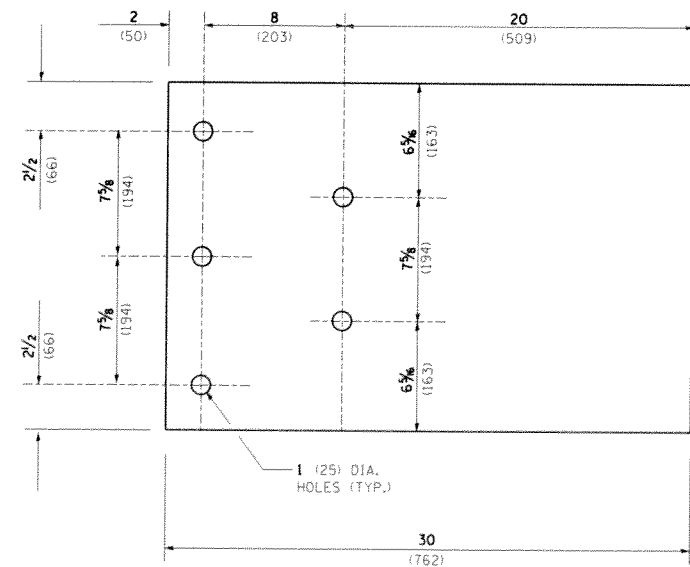
**THRIE BEAM END SHOE DETAIL**



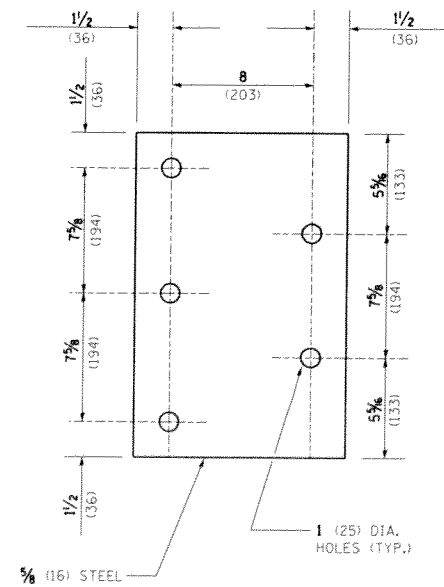
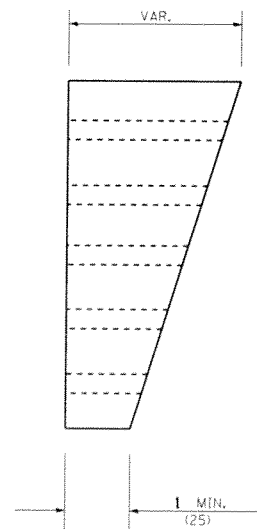
**POSTS 1-11 WOOD BLOCKOUT DETAIL**



**POST 12 WOOD BLOCKOUT DETAIL**



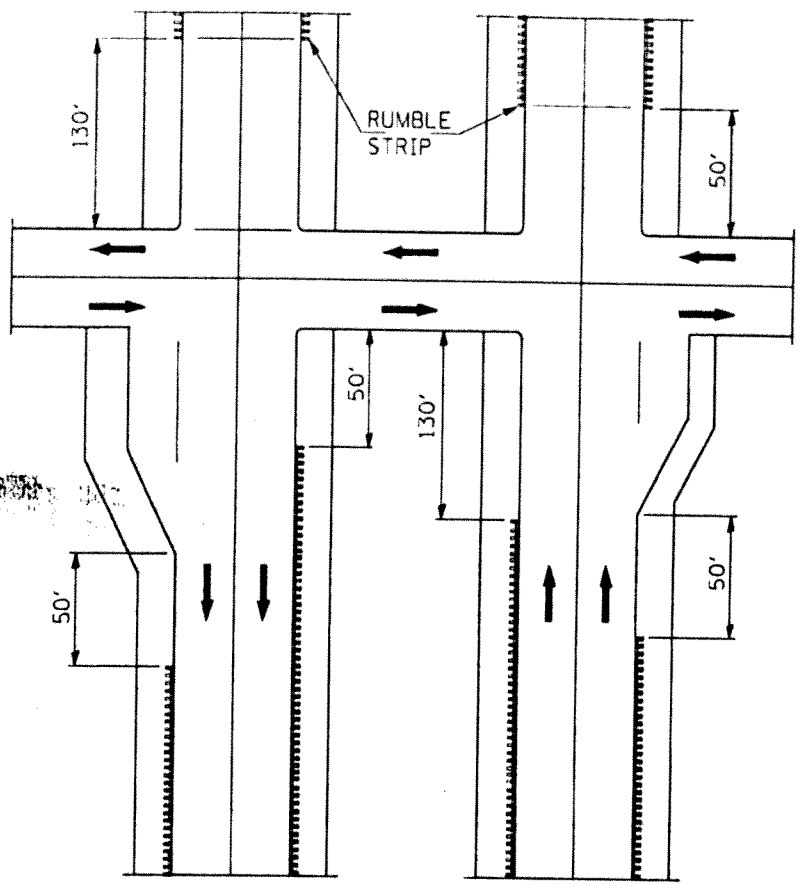
**PARAPET WOOD BLOCK-OUT DETAIL**



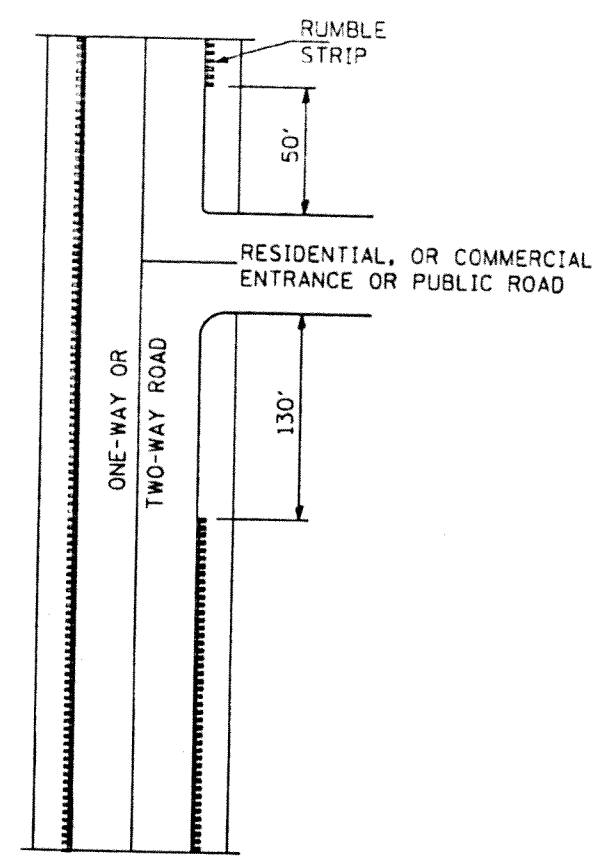
**PARAPET STEEL BEARING PLATE DETAIL**

(5 EACH INDIVIDUAL 5x5x3/8 (125x125x16) STEEL PLATES WITH CENTERED 1 (25) HOLES MAY BE SUBSTITUTED FOR THE PLATE SHOWN.)

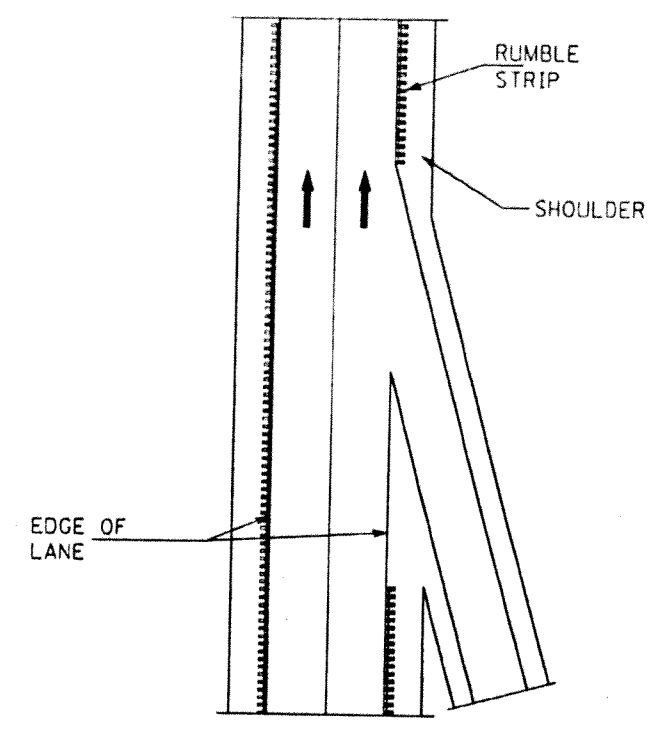
FILE NAME = c:\pwork\pwork\stedps\0329923\Dist\std.dgn	USER NAME = stedpa	DESIGNED - DRAWN -	REVISED - STATE STANDARD; 631031-05 - 02/19/2008	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPE 6 TERMINAL FOR USE WITH 21" HIGH SPBGR</b>		F.A.P. RTE. 557	SECTION 2013-0481	COUNTY KANE	TOTAL SHEETS 24	SHEET NO. 21
PLOT SCALE = 100.0000 / 1 in.		CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	<b>BM 22</b>		CONTRACT NO. 60X02
PLOT DATE = 3/28/2014		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



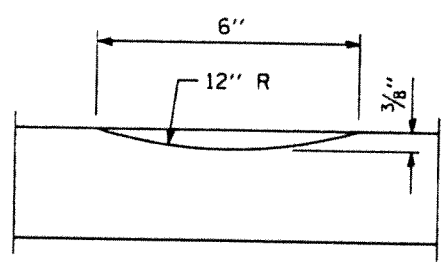
**RUMBLE STRIPE EXPRESSWAY DIVIDED**



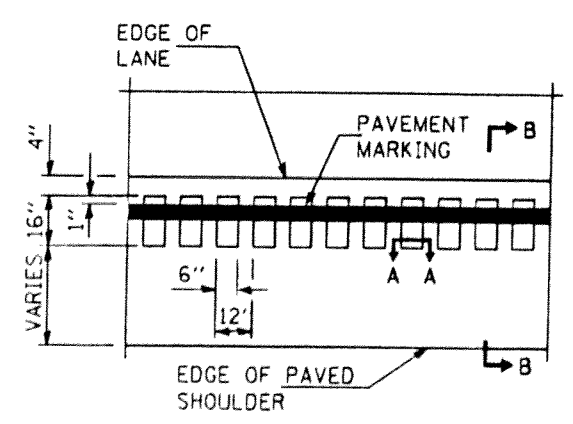
**RUMBLE STRIPE INTERSECTIONS**



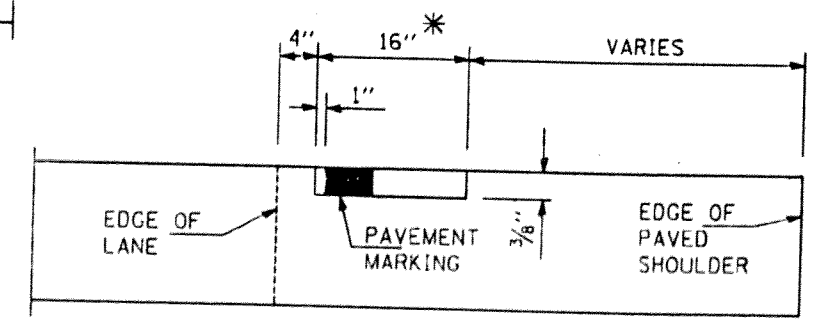
**RUMBLE STRIPE ACCELERATION OR DECELERATION LANE**



**SECTION A-A**



**PLAN FOR RUMBLE STRIPE**



**SECTION B-B**

**GENERAL NOTES**

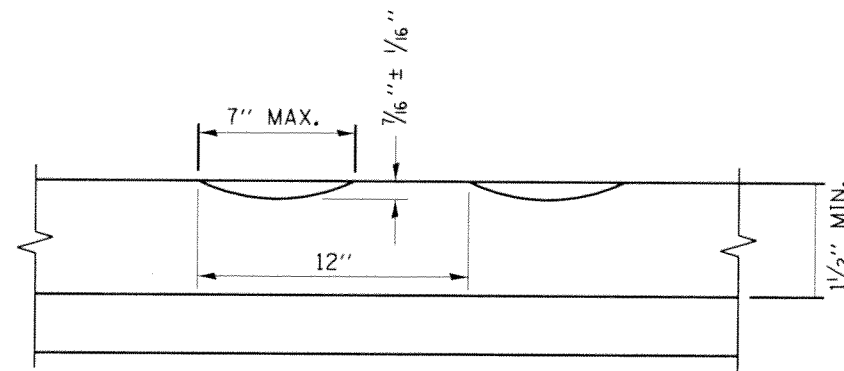
ON PORTLAND CEMENT CONCRETE SHOULDERS, NO SHOULDER RUMBLE STRIPE SHALL BE LOCATED CLOSER THAN 150 mm (6") TO A TRANSVERSE JOINT.

OMIT SHOULDER RUMBLE STRIP ACROSS STRUCTURES.

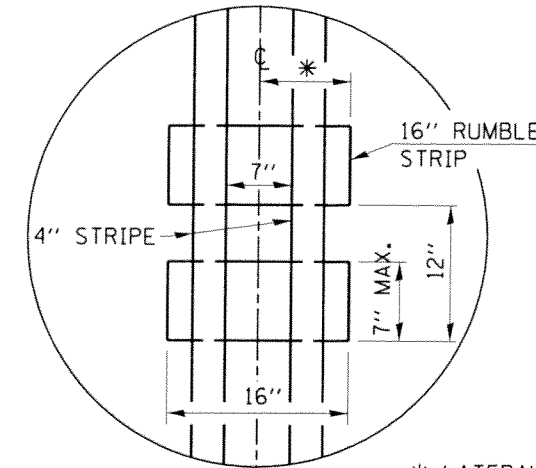
SHOULDER RUMBLE STRIPES TO BE PAID FOR AS SHOULDER RUMBLE STRIP AND THERMOPLASTIC PAVEMENT MARKING - LINE 4"

\* 8" WIDE RUMBLE STRIPES TO BE INSTALLED AT LOCATIONS ADJACENT TO GUARDRAIL W. HMA SHOULDERS < 3'

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SHOULDER RUMBLE STRIPE FOR NON-FREEWAY</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr:\pa\work\pavdot\barke\12161588\010311	sh:plan.dgn	DRAWN -	REVISED -				557	2013-0481	KANE	24	22
	PLOT SCALE = 50.0000 / 1/4"	CHECKED -	REVISED -				CONTRACT NO 60X02				
	PLOT DATE = 12/17/2009	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



**SECTION A-A**



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

**DETAIL B**

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

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

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

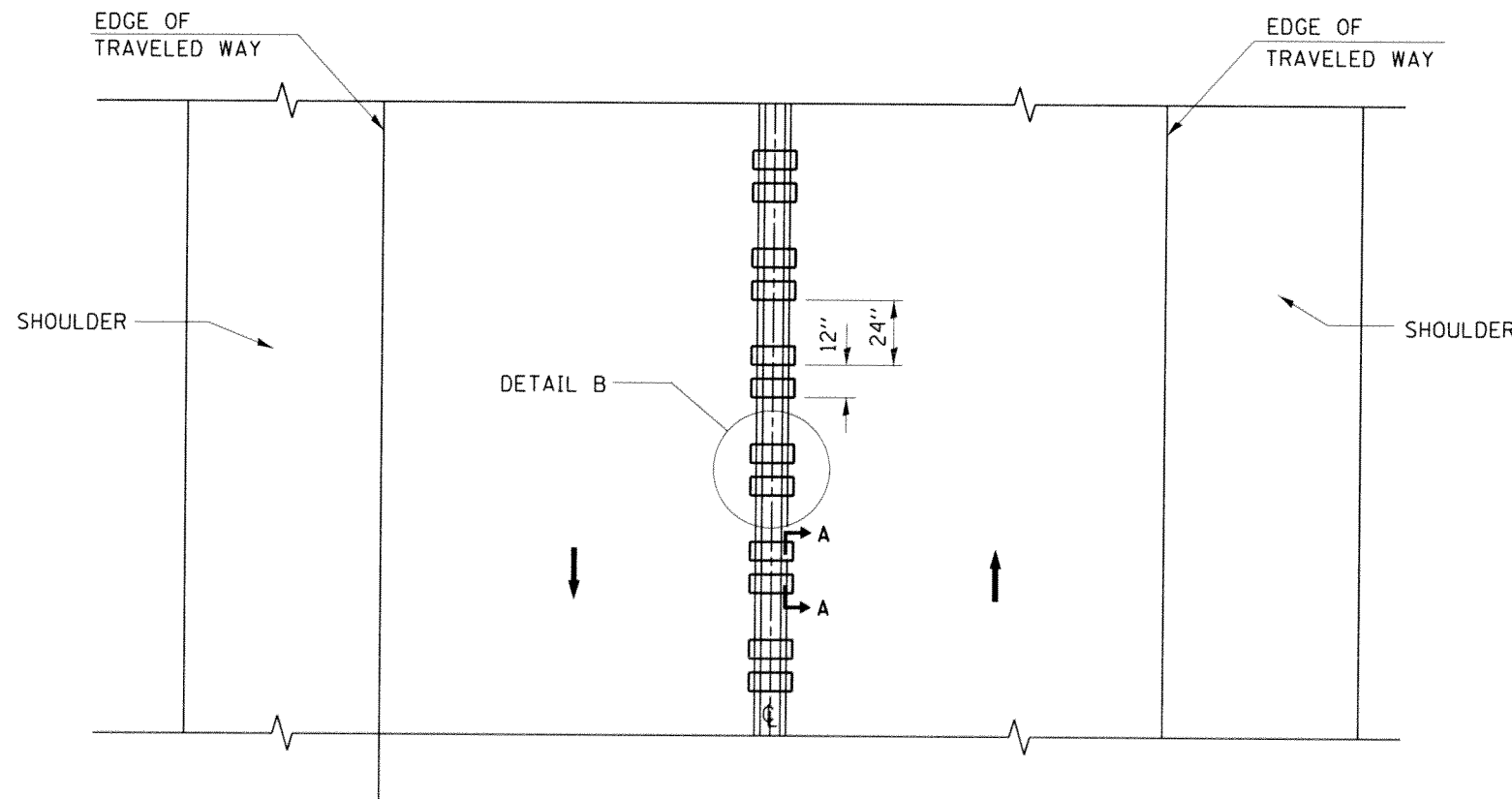
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

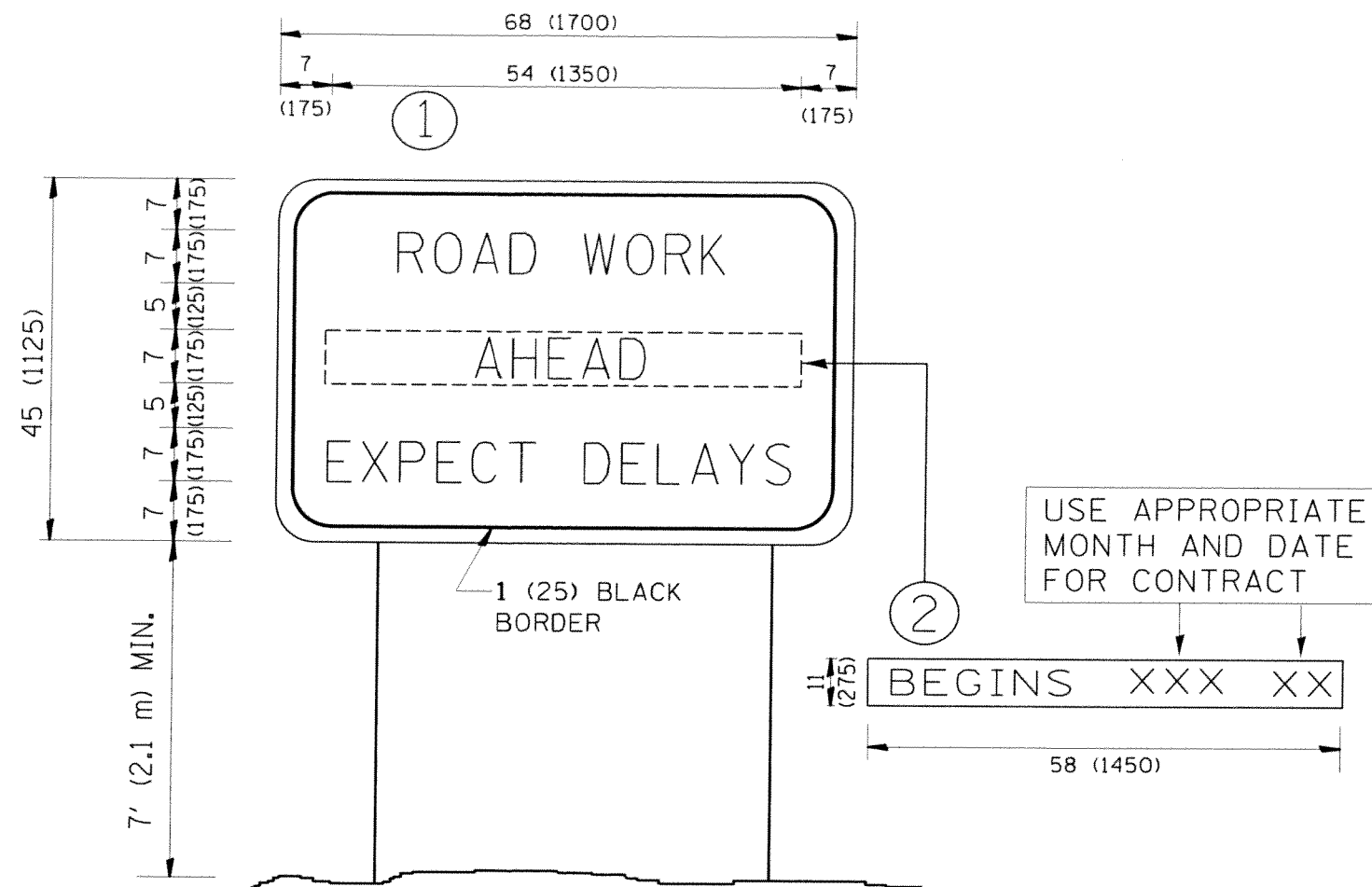
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



**TWO-WAY ROAD**

FILE NAME =	USER NAME = steedpe	DESIGNED - R. BORO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\p\wido\stedpe\0329923\Dist\std.dgn		DRAWN -	REVISED -		557	2013-048I	KANE	24	23			
PLOT SCALE = 100,0000 / 1 in.		CHECKED -	REVISED -		BD 55			CONTRACT NO. 60X02				
PLOT DATE = 3/28/2014		DATE - 08-06-2012	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p1dot\stedpa\00329923\0\st	td.dgn	DRAWN -	REVISED - R. MIRS 12-11-97			557	2013-048I	KANE	24	24
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 60X02		
	PLOT DATE = 3/20/2014	DATE -	REVISED - C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	