

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	1
ILLINOIS			CONTRACT NO. 64G63	

PROJECT ENGINEER: MATT FARMER

FOR INDEX OF SHEETS, SEE SHEET NO. 2

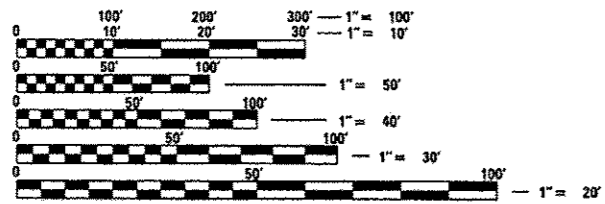
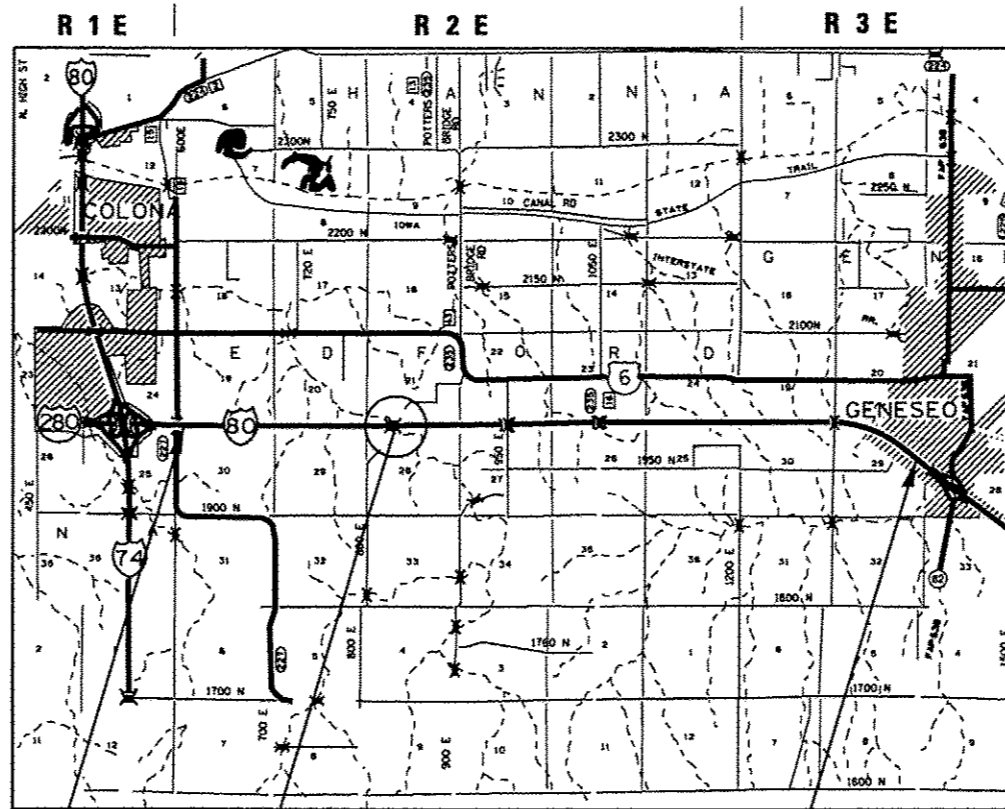
**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 80 (I-80)
SECTION (37-2,3) RS-3
PROJECT: ACNHPP-0080 (405)

HENRY COUNTY
C-92-031-14



EDFORD TOWNSHIP, SECTION 19,20,21,22,23,24,25,26,27,28,29,30
GENESEO TOWNSHIP, SECTION 19,20,29,30



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

SECTION BEGINS STA 600+82
BRIDGE OMISSION STA. 723+46 - 724+96
SECTION ENDS STA 1020+30

PAVEMENT PATCHING AND HOT-MIX ASPHALT RESURFACING ON I-80
FROM OSCO ROAD TO 0.5 MILE WEST OF IL 82

GROSS LENGTH = 41948 FT = 7.94 MILES
NET LENGTH = 41798 FT = 7.92 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8/15 2014
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 17 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

PROJECT MANAGER: CHRIS BANKS (815)-284-5909

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HIGHWAY STANDARDS

000001-06	Standard Symbols, Abbreviations and Patterns
001006	Decimal of an Inch and of a Foot
280001-07	Temporary Erosion Control Systems
420701-02	Pavement Fabric
442101-07	Class B Patches
630001-10	Steel Plate Beam Guardrail
630301-06	Shoulder Widening for Type 1 (Special) Guardrail Terminals
631011-09	Traffic Barrier Terminal, Type 2
631026-05	Traffic Barrier Terminal, Type 5
631031-12	Traffic Barrier Terminal, Type 6
631033-05	Traffic Barrier Terminal, Type 6B
635001-01	Delineators
635006-03	Reflector and Terminal Marker Placement
635011-02	Reflector Marker and Mounting Details
642001-02	Shoulder Rumble Strips, 16 in.
701101-04	Off-Road Operations, Multilane, 15' to 24" From Pavement Edge
701106-02	Off-Road Operations, Multilane, More Than 15' Away
701400-07	Approach to Lane Closure, Freeway/Expressway
701401-08	Lane Closure, Freeway/Expressway
701411-08	Lane Closure, Multilane, at Entrance or Exit Ramp, for Speeds \geq 45 MPH
701426-06	Lane Closure, Multilane, Intermittent or Moving Operation, for Speeds \geq 45 MPH
701901-03	Traffic Control Devices
720011-01	Metal Posts for Signs, Markers and Delineators
728001-01	Telescoping Steel Sign Supports
729001-01	Applications of Types A and B Metal Posts (For Signs and Markers)
780001-04	Typical Pavement Markings
781001-03	Typical Applications Raised Reflective Pavement Markers

FILE NAME *	USER NAME * grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS HIGHWAY STANDARDS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE * Tue Aug 19 14:42:30 2014	DATE -	REVISED -								

GENERAL NOTES

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

All mandatory joint sealing for Class A, Class B, and Class B (Hinge Jointed) patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.

For all concrete patching that will not be resurfaced, the concrete shall be struck off flush with the existing pavement surface at each end of the patch.

The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.

The mandatory saw cuts for pavement patching are:

Class A Patch: Cut two transverse saw cuts at each end of the patch; one full depth and one partial depth. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

Class B Patch: Cut two transverse saw cuts outlining the patch and one transverse pressure relief saw cut. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

The mandatory saw cuts will be paid for at the contract unit price per Foot for SAW CUTS.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Resurfacing		HMA over Patches	Shoulders	
	Surface	Level Binder	Binder	Top Lift	All Lower lifts
PG:	SBS PG 76-22	SBS PG 76-22	76-22	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N80	4.0 @ N90	4.0 @ N90	4.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	SMA 12.5	IL 9.5 or IL 9.5FG	IL 19.0 or IL 19.0 FG	IL 9.5 or IL 9.5 FG	IL 19.0 FG
Friction Aggregate	SMA N80	N/A	N/A	C	N/A
20 Year ESAL	34.0	34.0	34.0	N/A	N/A
Quality Management Program to be Used	PFP	PFP	QC/QA	QCP	QCP

* On projects with less than 2000 tons Level Binder, Growth Curve will be used for Density and IL 9.5 may be used

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Install rumble strips in all shoulders in accordance with State Standard 642001 Rumble Strips shall be placed on shoulders on both sides of the pavement.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

FILE NAME = 64063 GN.DOCX	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				SCALE	SHEET NO.	OF	SHEETS	STA	TO STA

GENERAL NOTES

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

Tree planting layout shall be performed by the District Roadside Management Specialist. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison (815) 490-2869
 Geneseo Telephone Company (309) 944-8025
 MidAmerican Energy (309) 793-3704 (Electric)
 NICOR Gas (630) 388-3046
 City of Geneseo (309) 944-8424

MidAmerican Energy (309)793-3760 (Gas)
 AT&T (309) 757-4707
 Jo-Carroll Energy (815) 858-2207
 Mediacom (309) 944-0139
 Lightcore (636) 887-4755

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

Excess trees that cannot be planted along the Interstate 80 project limits shall be planted at alternate locations as determined by the District Roadside Management Specialist.

COMMITMENTS

Only trees in the clear zone will be removed. Landscaping and mitigation trees beyond the clear zone will be saved.

FILE NAME = 64663 GN4.DOCX	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISOR -	80			Henry	50	4	
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SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	0005 90% FED / 10% STATE
20100500	TREE REMOVAL, ACRES	ACRE	1.44
* 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	139
* 20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	139
* 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	139
* 25000210	SEEDING, CLASS 2A	ACRE	1.61
* 25100125	MULCH, METHOD 3	ACRE	1.44
* 25100630	EROSION CONTROL BLANKET	SQ YD	833
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	323
28000305	TEMPORARY DITCH CHECKS	FOOT	1000
28000400	PERIMETER EROSION BARRIER	FOOT	2191
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	38
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	119
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	24967
40600990	TEMPORARY RAMP	SQ YD	230

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	0005 90% FED / 10% STATE
* 63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	16
* 63302000	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2	EACH	11
* 63302400	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 5	EACH	2
* 63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	1
63500105	DELINEATORS	EACH	125
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	154928
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8
67100100	MOBILIZATION	L SUM	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	45
70300100	SHORT TERM PAVEMENT MARKING	FOOT	55400
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9234
* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	167792

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	0005 90% FED / 10% STATE
* 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	20974
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2090
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	134
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	23
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1044
* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	53
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	52
* A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	52
NP X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	348
* X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	1300.0
	40600205 POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	238249
* X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	987.5
	X7010410 SPEED DISPLAY TRAILER	CAL MO	16
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	167192

* SPECIALTY ITEMS

NP- Non-participating (100% State)

FILE NAME *	USER NAME * grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64063 [ILLINOIS] FED. AID PROJECT										

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	0005 90% FED / 10% STATE
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	20899
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	173
* Z0008758	AERIAL SPEED CHECK MARKING	FOOT	72
Z0034105	MATERIAL TRANSFER DEVICE	TON	49935

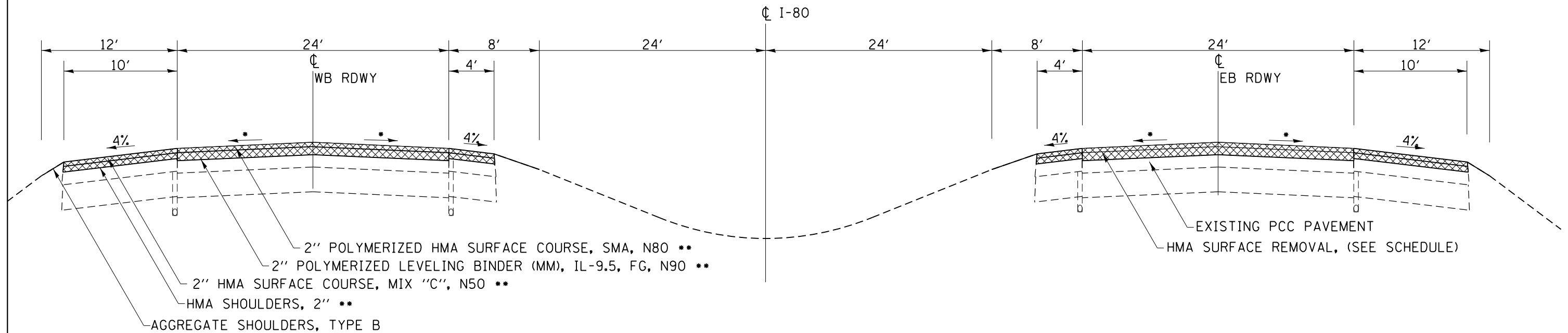
5 * SPECIALTY ITEMS

TYPICAL SECTIONS

INTERSTATE 80

PROPOSED REMOVAL

STA. 600+82 - 601+22 (EB)
 STA. 600+82 - 612+24 (WB)
 STA. 722+65 - 723+05 (EB & WB)
 STA. 724+96 - 725+36 (EB & WB)
 STA. 788+54 - 789+64 (EB & WB)
 STA. 841+42 - 842+52 (EB & WB)
 STA. 1016+00 - 1020+30 (EB & WB)



* MAINTAIN EXISTING CROSS-SLOPE.
 CROSS-SLOPE DESIRED $\frac{3}{16}$ "/FT.
 MINIMUM $\frac{1}{8}$ "/FT.

** HMA - 112 LB./SQ. YD./IN

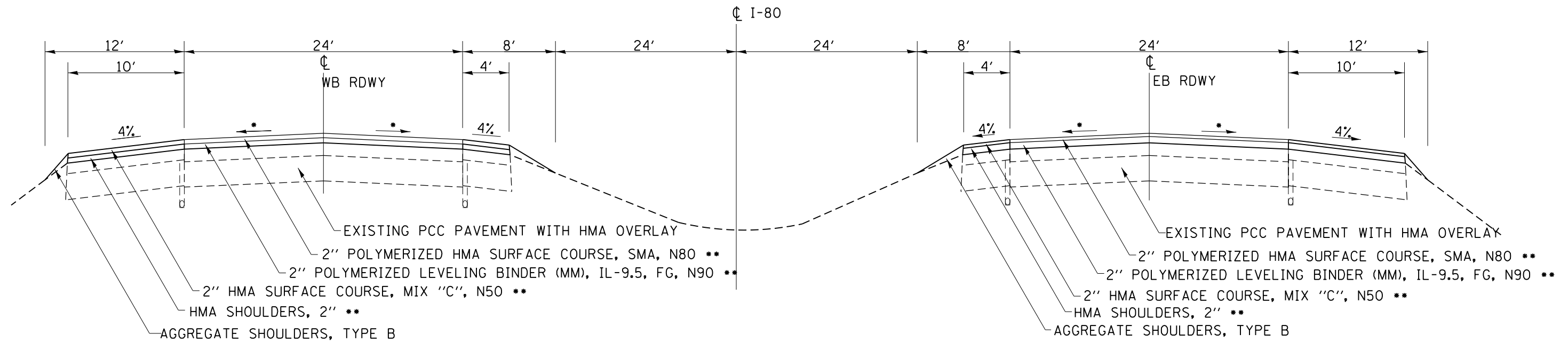
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

TYPICAL SECTIONS

INTERSTATE 80

PROPOSED RESURFACING

STA. 603+22 - 720+65 (EB)
 STA. 614+24 - 720+65 (WB)
 STA. 727+36 - 784+67 (EB)
 STA. 727+36 - 783+67 (WB)
 STA. 793+52 - 836+54 (EB)
 STA. 794+52 - 836+79 (WB)
 STA. 847+39 - 971+47 (EB)
 STA. 847+14 - 970+97 (WB)
 STA. 1012+33 - 1014+00 (EB & WB)



* MAINTAIN EXISTING CROSS-SLOPE.
 CROSS-SLOPE DESIRED $\frac{3}{16}$ "/FT.
 MINIMUM $\frac{1}{8}$ "/FT.

** HMA - 112 LB./SQ. YD./IN

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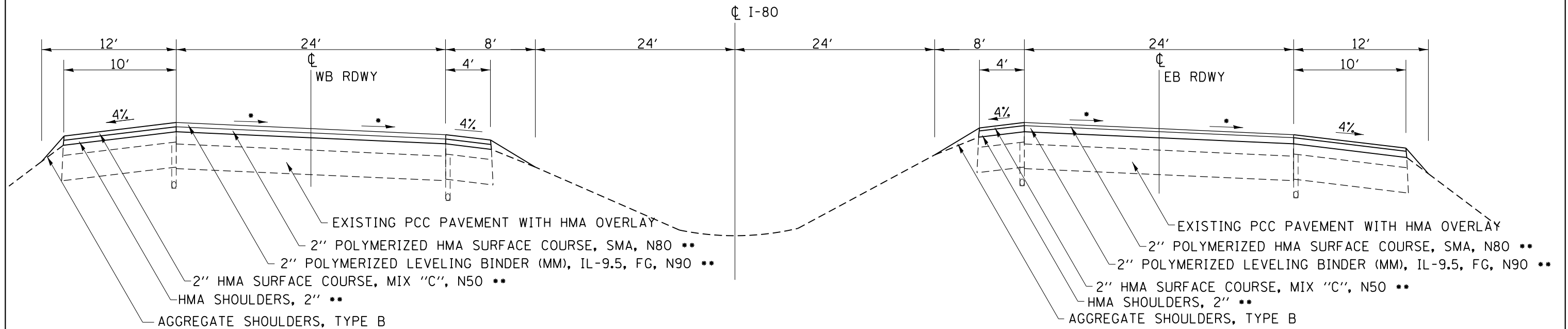
TYPICAL SECTIONS

INTERSTATE 80
SUPERELEVATED SECTION

PROPOSED RESURFACING

STA. 980+32 - 1012+33 (EB)

STA. 980+82 - 1012+33 (WB)



* MAINTAIN EXISTING SUPERELEVATION

** HMA - 112 LB./SQ. YD./IN

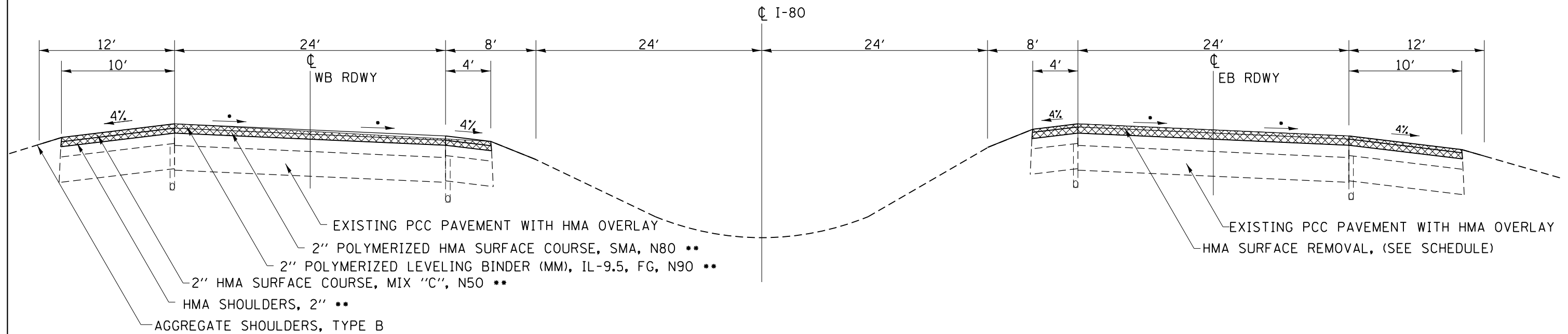
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											CONTRACT NO. 64663			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS

INTERSTATE 80
SUPERELEVATED SECTION

PROPOSED REMOVAL

STA. 975+34 - 976+44 (EB & WB)



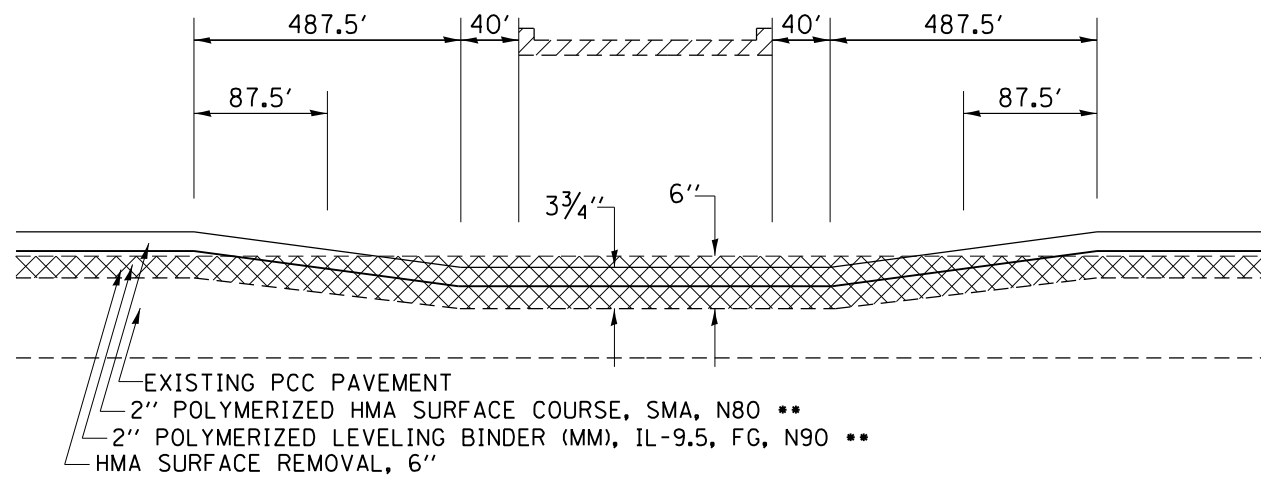
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** HMA - 112 LB./SQ. YD./IN

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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

TYPICAL SECTIONS

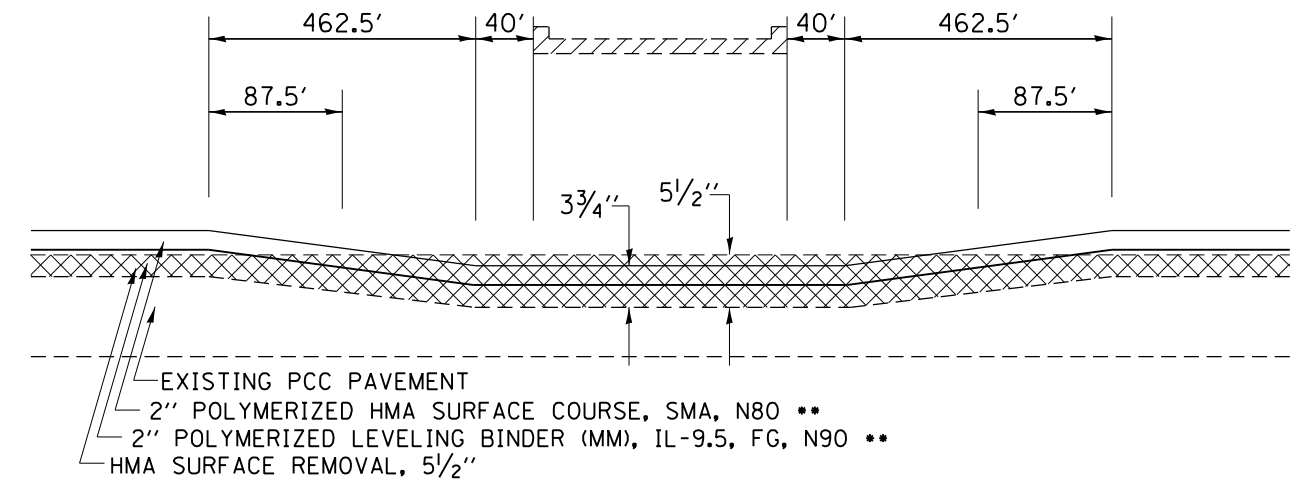
TYPICAL TAPER

STA 783+67 - 788+54 WB
 STA 789+64 - 794+52 WB
 STA 836+54 - 841+42 EB
 STA 842+52 - 847+39 EB



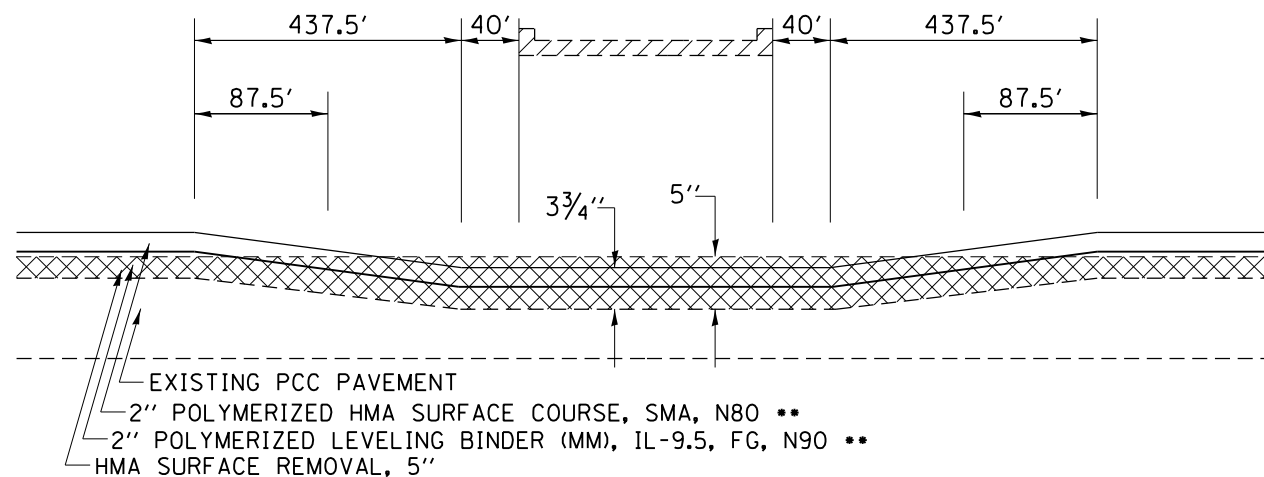
TYPICAL TAPER

STA 836+79 - 841+42 WB
 STA 842+52 - 847+14 WB



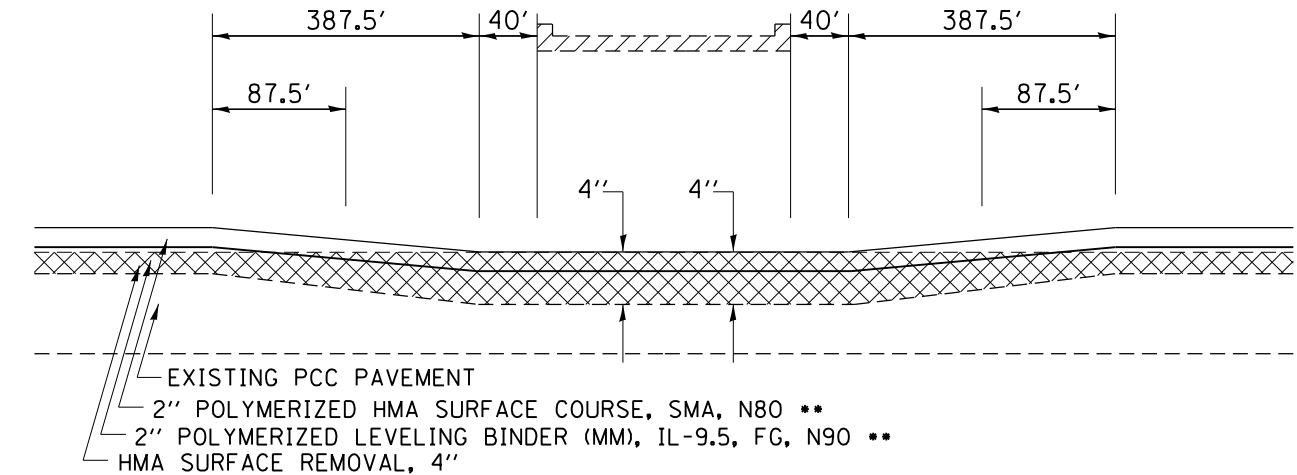
TYPICAL TAPER

STA 970+97 - 975+34 WB
 STA 976+44 - 980+82 WB



TYPICAL TAPER

STA 784+67 - 788+54 EB
 STA 789+64 - 793+52 EB
 STA 971+47 - 975+34 EB
 STA 976+44 - 980+32 EB



** HMA - 112 LB./SQ. YD./IN

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

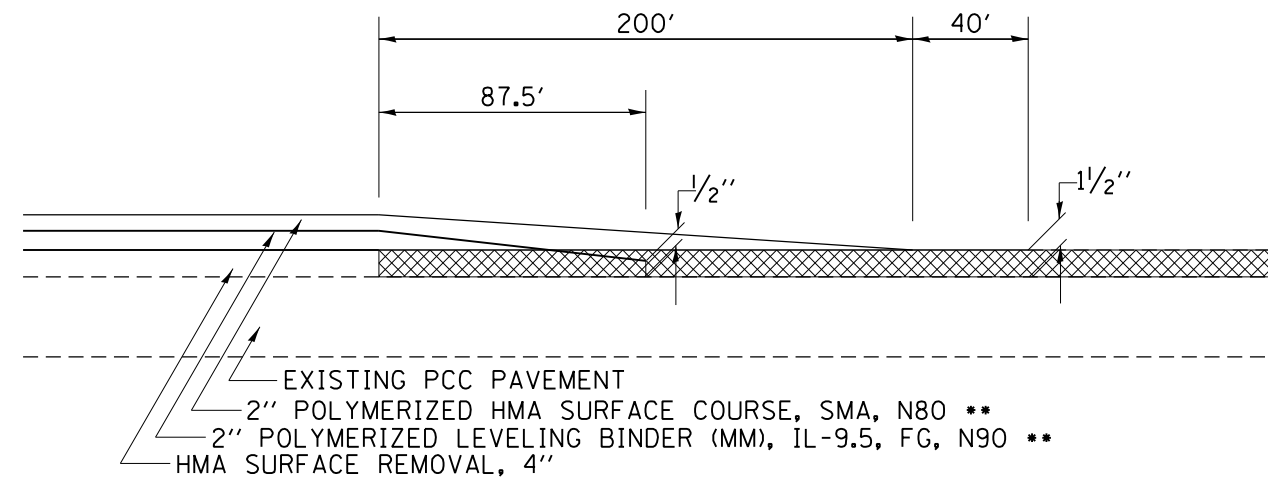
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2.3) RS-3	HENRY	50	15
CONTRACT NO. 64663			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS

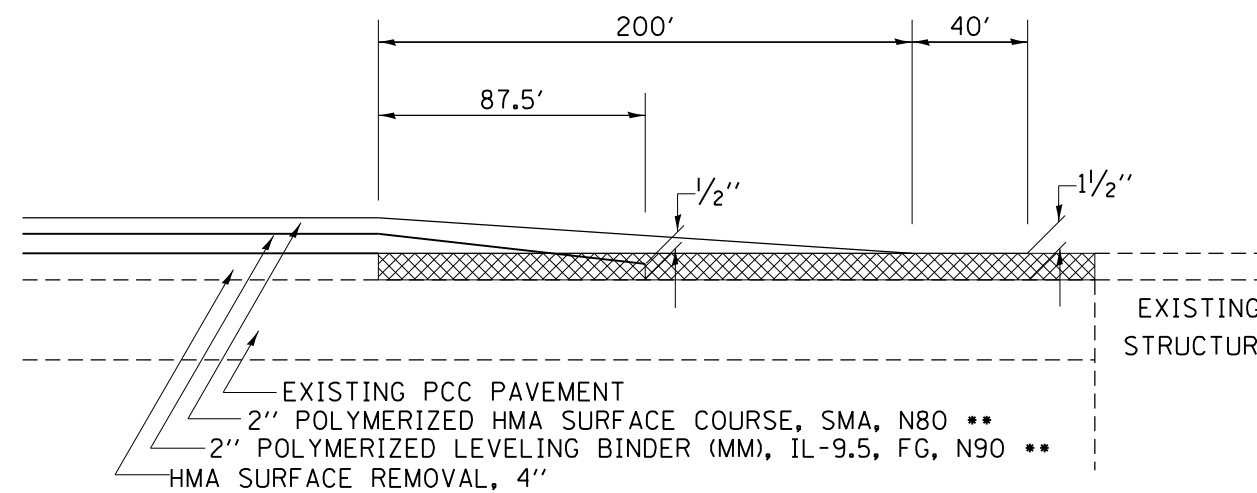
TYPICAL TAPER

STA. 612+24 - 614+24 (WB)
 STA. 1014+00 - 1016+00.00 (EB & WB)



TYPICAL BRIDGE TAPER

STA. 601+22 - 603+22 (EB)
 STA. 720+65 - 722+65 (EB & WB)
 STA. 725+36 - 727+36 (EB & WB)



** HMA - 112 LB./SQ. YD./IN

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\work\pwork\grantpm\d0340191\200911-shr-typical.dgn	DRAWN -	REVISED -	80					(37-2,3) RS-3	HENRY	50	16	
Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64063				
	PLOT DATE = Tue Aug 19 14:56:04 2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SCHEDULE OF QUANTITIES

<p>20100500 TREE REMOVAL, ACRES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">ACRE</th> <th style="text-align: center;">LOCATION</th> <th style="text-align: center;">DIR</th> <th style="text-align: center;">REMARKS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.33</td> <td>655+84 TO 658+75</td> <td style="text-align: center;">EB</td> <td>15' BEYOND THE TOE OF SLOPE</td> </tr> <tr> <td style="text-align: center;">0.19</td> <td>706+73 TO 709+44</td> <td style="text-align: center;">EB</td> <td>15' BEYOND THE TOE OF SLOPE</td> </tr> <tr> <td style="text-align: center;">0.16</td> <td>745+69 TO 747+69</td> <td style="text-align: center;">EB</td> <td>15' BEYOND THE TOE OF SLOPE</td> </tr> <tr> <td style="text-align: center;">0.03</td> <td>805+85 TO 805+21</td> <td style="text-align: center;">WB</td> <td>15' BEYOND THE TOE OF SLOPE</td> </tr> <tr> <td style="text-align: center;">0.73</td> <td>722+65 TO 714+00</td> <td style="text-align: center;">WB</td> <td>15' BEYOND THE TOE OF SLOPE</td> </tr> <tr> <td style="text-align: center;">TOTAL</td> <td style="text-align: center;">1.44</td> <td></td> <td></td> </tr> </tbody> </table>	ACRE	LOCATION	DIR	REMARKS	0.33	655+84 TO 658+75	EB	15' BEYOND THE TOE OF SLOPE	0.19	706+73 TO 709+44	EB	15' BEYOND THE TOE OF SLOPE	0.16	745+69 TO 747+69	EB	15' BEYOND THE TOE OF SLOPE	0.03	805+85 TO 805+21	WB	15' BEYOND THE TOE OF SLOPE	0.73	722+65 TO 714+00	WB	15' BEYOND THE TOE OF SLOPE	TOTAL	1.44			<p>28000250 TEMPORARY EROSION CONTROL SEEDING</p> <table border="1" style="width: 100%; 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SCHEDULE OF QUANTITIES

70301000	WORK ZONE PAVEMENT MARKING REMOVAL			
	SQ YD	LOCATION	DIR	REMARKS
	3497	600+82 TO 1020+30	EB	WHITE SKIP DASH
	1120	600+82 TO 1020+30	EB	YELLOW DIAGONAL LINES
	3497	1020+30 TO 600+82	WB	WHITE SKIP DASH
	1120	1020+30 TO 600+82	WB	YELLOW DIAGONAL LINES
TOTAL	9,234			
78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"			
	FOOT	LOCATION	DIR	REMARKS
	YELLOW			
	41948	600+82 TO 1020+30	EB	YELLOW EDGE LINE
	41948	1020+30 TO 600+82	WB	YELLOW EDGE LINE
SUBTOTAL	83896			
	WHITE			
	41948	600+82 TO 1020+30	EB	WHITE EDGE LINE
	41948	1020+30 TO 600+82	WB	WHITE EDGE LINE
SUBTOTAL	83896			
TOTAL	167,792			
78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"			
	FOOT	LOCATION	DIR	REMARKS
	10487	600+82 TO 1020+30	EB	WHITE SKIP DASH
	10487	1020+30 TO 600+82	WB	WHITE SKIP DASH
TOTAL	20,974			
78100100	RAISED REFLECTIVE PAVEMENT MARKER (DOUBLE LANE MARKERS)			
	EACH	LOCATION	DIR	REMARKS
	306	600+82 TO 723+05	EB	ONE-WAY CRYSTAL MARKER
	738	724+96 TO 1020+30	EB	ONE-WAY CRYSTAL MARKER
	738	1020+30 TO 724+96	WB	ONE-WAY CRYSTAL MARKER
	306	723+05 TO 600+82	WB	ONE-WAY CRYSTAL MARKER
TOTAL	2,088			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL			
	EACH	LOCATION	DIR	REMARKS
	153	600+82 TO 723+05	EB	
	369	724+96 TO 1020+30	EB	
	369	1020+30 TO 724+96	WB	
	153	723+05 TO 600+82	WB	
TOTAL	1,044			
A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED			
	EACH	LOCATION	DIR	REMARKS
	53	VAR		
TOTAL	53			
A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED			
	EACH	LOCATION	DIR	REMARKS
	52	VAR		
TOTAL	52			
A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED			
	EACH	LOCATION	DIR	REMARKS
	52	VAR		
TOTAL	52			
X0320157	CLEANING UNDERDRAIN OUTLETS			
	EACH	LOCATION	DIR	REMARKS
	320	605+50 TO 1029+09	BOTH	EVERY 500' INCL THE FOLLOWING STA (INSIDE & OUTSIDE SHOULDERS)
	4	663+00	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	729+00	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	786+50	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	836+00	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	916+63	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	996+50	BOTH	INSIDE & OUTSIDE SHOULDERS
	4	1029+09	BOTH	INSIDE & OUTSIDE SHOULDERS
TOTAL	348			
X7010410	SPEED DISPLAY TRAILER			
	CAL MO	LOCATION	DIR	REMARKS
	8		EB	
	8		WB	
TOTAL	16			
X7800070	GROOVING FOR RECESSED PAVEMENT MARKINGS 5"			
	FOOT	LOCATION	DIR	REMARKS
	12223	600+82 TO 723+05	EB	YELLOW EDGE LINE
	12223	600+82 TO 723+05	EB	WHITE EDGE LINE
	29534	724+96 TO 1020+30	EB	YELLOW EDGE LINE
	29534	724+96 TO 1020+30	EB	WHITE EDGE LINE
	29534	1020+30 TO 724+96	WB	YELLOW EDGE LINE
	29534	1020+30 TO 724+96	WB	WHITE EDGE LINE
	12223	723+05 TO 600+82	WB	YELLOW EDGE LINE
	12223	723+05 TO 600+82	WB	WHITE EDGE LINE
TOTAL	167,028			
X7800074	GROOVING FOR RECESSED PAVEMENT MARKINGS 7"			
	FOOT	LOCATION	DIR	REMARKS
	3056	600+82 TO 723+05	EB	WHITE SKIP DASH
	7384	724+96 TO 1020+30	EB	WHITE SKIP DASH
	7384	1020+30 TO 724+96	WB	WHITE SKIP DASH
	3056	723+05 TO 600+82	WB	WHITE SKIP DASH
TOTAL	20,879			
Z0028415	GEOTECHNICAL REINFORCEMENT			
	FOOT	LOCATION	DIR	REMARKS
	173	VAR		AS NEEDED TO REPLACE POOR SUBGRADE UNDER PATCHES
	173			
Z0008758	AERIAL SPEED CHECK MARKING			
	FOOT	LOCATION	DIR	REMARKS
	36	879+74 TO 892+94	EB	IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF THE MEASUREMENT CAN BE ATTESTED TO IN COURT
	36	879+74 TO 866+54	WB	
TOTAL	72			

HOT-MIX ASPHALT SCHEDULE

LOCATION	REMARKS	LENGTH	PROPOSED SURFACE		40600990	40600845	40603153	X4060115
			WIDTH	AREA	TEMPORARY RAMP	P LEV BIND MM N90	P HMA SC SMA N80	P BIT MATLS PR CT (2 APPL.)
			FT	FT	SQ YD	SQ YD	TON	TON
EASTBOUND MAINLINE								
600+82 - 601+22	MILLING 4"	40	24	107	28	12	12	72
601+22 - 603+22	TAPER	200	24	533		60	60	360
603+22 - 724+06		12084	24	32224		3609	3609	21751
724+06 - 726+06	TAPER	200	24	533		60	60	360
726+06 - 726+46	MILLING 4"	40	24	107	28	12	12	72
726+46 - 724+96	(037-0107) BRIDGE OMISSION							
724+96 - 725+36	MILLING 4"	40	24	107	28	12	12	72
725+36 - 727+36	TAPER	200	24	533		60	60	360
727+36 - 784+67		5731	24	15282		1712	1712	10315
784+67 - 788+54	TAPER	388	24	1033		116	116	698
788+54 - 789+64	(037-0109) MILLING 4"	110	24	293		33	33	198
789+64 - 793+52	TAPER	388	24	1033		116	116	698
793+52 - 836+54		4302	24	11473		1285	1285	7744
836+54 - 841+42	TAPER	488	24	1300		146	146	878
841+42 - 842+52	(037-0110) MILLING 6"	110	24	293		33	33	198
842+52 - 847+39	TAPER	488	24	1300		146	146	878
847+39 - 971+47		12408	24	33087		3706	3706	22334
971+47 - 975+34	TAPER	388	24	1033		116	116	698
975+34 - 976+44	(037-0111) MILLING 4"	110	24	293		33	33	198
976+44 - 980+32	TAPER	388	24	1033		116	116	698
980+32 - 1014+00		3368	24	8982		1006	1006	6063
1014+00 - 1016+00	TAPER	200	24	533		60	60	360
1016+00 - 1020+30	MILLING 4"	430	24	1147	28	128	128	774
EASTBOUND TOTAL					113	12573	12573	75777

HOT-MIX ASPHALT SCHEDULE

LOCATION	REMARKS	LENGTH	PROPOSED SURFACE		40600990	40600845	40603153	X4060115
			WIDTH	AREA	TEMPORARY RAMP	P LEV BIND MM N90	P HMA SC SMA N80	P BIT MATLS PR CT
			FT	SQ YD	SQ YD	TON	TON	(2 APPL.) POUND
WESTBOUND MAINLINE								
1020+30 - 1016+00	MILLING 4"	430	24	1147	28	128	128	774
1016+00 - 1014+00	TAPER	200	24	533		60	60	360
1014+00 - 980+82		3318	24	8849		991	991	5973
980+82 - 976+44	TAPER	438	24	1167		131	131	788
976+44 - 975+34	(037-0111) MILLING 5"	110	24	293		33	33	198
975+34 - 970+97	TAPER	438	24	1167		131	131	788
970+97 - 847+14		12383	24	33021		3698	3698	22289
847+14 - 842+52	TAPER	463	24	1233		138	138	833
842+52 - 841+42	(037-0110) MILLING 5.5"	110	24	293		33	33	198
841+42 - 836+79	TAPER	463	24	1233		138	138	833
836+79 - 794+52		4227	24	11273		1263	1263	7609
794+52 - 789+64	TAPER	488	24	1300		146	146	878
789+64 - 788+54	(037-0109) MILLING 6"	110	24	293		33	33	198
788+54 - 783+67	TAPER	488	24	1300		146	146	878
783+67 - 727+36		5631	24	15015		1682	1682	10135
727+36 - 725+36	TAPER	200	24	533		60	60	360
725+36 - 724+96	MILLING 4"	40	24	107	28	12	12	72
724+96 - 723+46	(037-0108) BRIDGE OMISSION							
723+46 - 723+06	MILLING 4"	40	24	107	28	12	12	72
723+06 - 721+06	TAPER	200	24	533		60	60	360
721+06 - 614+24		10682	24	28486		3190	3190	19228
614+24 - 612+24	TAPER	200	24	533		60	60	360
612+24 - 600+82	MILLING 4"	1142	24	3044	28	341	341	2055
WESTBOUND TOTAL					113	12484	12484	75237
MAINLINE TOTAL					230	25,057	25,057	151,013

SHOULDER SCHEDULE

LOCATION	REMARKS	LENGTH FT	PROPOSED SURFACE				40603310	48101200	48203100	X4060115
			HMA		AGGREGATE		HMA SC "C" N50	AGGREGATE SHLDS B	HMA SHOULDERS	P BIT MATLS PR CT (2 APPL.)
			WIDTH FT	AREA SQ YD	WIDTH FT	AREA SQ YD	TON	TON	TON	POUND
EASTBOUND INSIDE SHOULDER										
600+82 - 601+22	MILLING 4"	40	4	18	4	18	2	3	2	12
601+22 - 603+22	TAPER	200	4	89	4	89	10	15	10	60
603+22 - 724+06		12084	4	5371	4	5371	602	936	602	3625
724+06 - 726+06	TAPER	200	4	89	4	89	10	15	10	60
726+06 - 726+46	MILLING 4"	40	4	18	4	18	2	3	2	12
726+46 - 724+96	(037-0107) BRIDGE OMISSION									
724+96 - 725+36	MILLING 4"	40	4	18	4	18	2	3	2	12
725+36 - 727+36	TAPER	200	4	89	4	89	10	15	10	60
727+36 - 784+67		5731	4	2547	4	2547	285	444	285	1719
784+67 - 788+54	TAPER	388	4	172	4	172	19	30	19	116
788+54 - 789+64	(037-0109) MILLING 4"	110	4	49	4	49	5	9	5	33
789+64 - 793+52	TAPER	388	4	172	4	172	19	30	19	116
793+52 - 836+54		4302	4	1912	4	1912	214	333	214	1291
836+54 - 841+42	TAPER	488	4	217	4	217	24	38	24	146
841+42 - 842+52	(037-0110) MILLING 6"	110	4	49	4	49	5	9	5	33
842+52 - 847+39	TAPER	488	4	217	4	217	24	38	24	146
847+39 - 971+47		12408	4	5515	4	5515	618	961	618	3722
971+47 - 975+34	TAPER	388	4	172	4	172	19	30	19	116
975+34 - 976+44	(037-0111) MILLING 4"	110	4	49	4	49	5	9	5	33
976+44 - 980+32	TAPER	388	4	172	4	172	19	30	19	116
980+32 - 1014+00		3368	4	1497	4	1497	168	261	168	1010
1014+00 - 1016+00	TAPER	200	4	89	4	89	10	15	10	60
1016+00 - 1020+30	MILLING 4"	430	4	191	4	191	21	33	21	129
EASTBOUND INSIDE SHOULDER TOTAL							2096	3260	2096	12629

SHOULDER SCHEDULE

LOCATION	REMARKS	LENGTH FT	PROPOSED SURFACE				40603310	48101200	48203100	X4060115
			HMA		AGGREGATE		HMA SC "C" N50	AGGREGATE SHLDS B	HMA SHOULDERS	P BIT MATLS PR CT (2 APPL.)
			WIDTH FT	AREA SQ YD	WIDTH FT	AREA SQ YD	TON	TON	TON	POUND
EASTBOUND OUTSIDE SHOULDER										
600+82 - 601+22	MILLING 4"	40	10	44	2	9	5	0.1	5	30
601+22 - 603+22	TAPER	200	10	222	2	44	25	0.5	25	150
603+22 - 724+06		12084	10	13427	2	2685	1504	28	1504	9063
724+06 - 726+06	TAPER	200	10	222	2	44	25	0.5	25	150
726+06 - 726+46	MILLING 4"	40	10	44	2	9	5	0.1	5	30
726+46 - 724+96	(037-0107) BRIDGE OMISSION									
724+96 - 725+36	MILLING 4"	40	10	44	2	9	5	0.1	5	30
725+36 - 727+36	TAPER	200	10	222	2	44	25	0.5	25	150
727+36 - 784+67		5731	10	6367	2	1273	713	13	713	4298
784+67 - 788+54	TAPER	388	10	431	2	86	48	0.9	48	291
788+54 - 789+64	(037-0109) MILLING 4"	110	10	122	2	24	14	0.3	14	83
789+64 - 793+52	TAPER	388	10	431	2	86	48	0.9	48	291
793+52 - 836+54		4302	10	4780	2	956	535	10	535	3227
836+54 - 841+42	TAPER	488	10	542	2	108	61	1	61	366
841+42 - 842+52	(037-0110) MILLING 6"	110	10	122	2	24	14	0.3	14	83
842+52 - 847+39	TAPER	488	10	542	2	108	61	1	61	366
847+39 - 971+47		12408	10	13786	2	2757	1544	29	1544	9306
971+47 - 975+34	TAPER	388	10	431	2	86	48	1	48	291
975+34 - 976+44	(037-0111) MILLING 4"	110	10	122	2	24	14	0.3	14	83
976+44 - 980+32	TAPER	388	10	431	2	86	48	1	48	291
980+32 - 1014+00		3368	10	3742	2	748	419	8	419	2526
1014+00 - 1016+00	TAPER	200	10	222	2	44	25	0.5	25	150
1016+00 - 1020+30	MILLING 4"	430	10	478	2	96	54	1	54	323
EASTBOUND OUTSIDE SHOULDER TOTAL							5239	98	5239	31574
EASTBOUND SHOULDER TOTAL							7334	3358	7334	44203

SHOULDER SCHEDULE

LOCATION	REMARKS	LENGTH FT	PROPOSED SURFACE				40603310	48101200	48203100	X4060115
			HMA		AGGREGATE		HMA SC "C" N50	AGGREGATE SHLDS B	HMA SHOULDERS	P BIT MATLS PR CT (2 APPL.)
			WIDTH FT	AREA SQ YD	WIDTH FT	AREA SQ YD	TON	TON	TON	POUND
WESTBOUND INSIDE SHOULDER										
1020+30 - 1016+00	MILLING 4"	430	4	191	4	191	21	33	21	129
1016+00 - 1014+00	TAPER	200	4	89	4	89	10	15	10	60
1014+00 - 980+82		3318	4	1475	4	1475	165	257	165	995
980+82 - 976+44	TAPER	438	4	194	4	194	22	34	22	131
976+44 - 975+34	(037-0111) MILLING 5"	110	4	49	4	49	5	9	5	33
975+34 - 970+97	TAPER	438	4	194	4	194	22	34	22	131
970+97 - 847+14		12383	4	5503	4	5503	616	959	616	3715
847+14 - 842+52	TAPER	463	4	206	4	206	23	36	23	139
842+52 - 841+42	(037-0110) MILLING 5.5"	110	4	49	4	49	5	9	5	33
841+42 - 836+79	TAPER	463	4	206	4	206	23	36	23	139
836+79 - 794+52		4227	4	1879	4	1879	210	327	210	1268
794+52 - 789+64	TAPER	488	4	217	4	217	24	38	24	146
789+64 - 788+54	(037-0109) MILLING 6"	110	4	49	4	49	5	9	5	33
788+54 - 783+67	TAPER	488	4	217	4	217	24	38	24	146
783+67 - 727+36		5631	4	2503	4	2503	280	436	280	1689
727+36 - 725+36	TAPER	200	4	89	4	89	10	15	10	60
725+36 - 724+96	MILLING 4"	40	4	18	4	18	2	3	2	12
724+96 - 723+46	(037-0108) BRIDGE OMISSION									
723+46 - 723+06	MILLING 4"	40	4	18	4	18	2	3	2	12
723+06 - 721+06	TAPER	200	4	89	4	89	10	15	10	60
721+06 - 614+24		10682	4	4748	4	4748	532	827	532	3205
614+24 - 612+24	TAPER	200	4	89	4	89	10	15	10	60
612+24 - 600+82	MILLING 4"	1142	4	507	4	507	57	88	57	342
WESTBOUND INSIDE SHOULDER TOTAL							2081	3237	2081	12539

SHOULDER SCHEDULE

LOCATION	REMARKS	LENGTH FT	PROPOSED SURFACE				40603310	48101200	48203100	X4060115
			HMA		AGGREGATE		HMA SC "C" N50	AGGREGATE SHLDS B	HMA SHOULDERS	P BIT MATLS PR CT (2 APPL.)
			WIDTH FT	AREA SQ YD	WIDTH FT	AREA SQ YD	TON	TON	TON	POUND
WESTBOUND OUTSIDE SHOULDER										
1020+30 - 1016+00	MILLING 4"	430	10	478	2	96	54	1	54	323
1016+00 - 1014+00	TAPER	200	10	222	2	44	25	0.5	25	150
1014+00 - 980+82		3318	10	3687	2	737	413	8	413	2489
980+82 - 976+44	TAPER	438	10	486	2	97	54	1	54	328
976+44 - 975+34	(037-0111) MILLING 5"	110	10	122	2	24	14	0.3	14	83
975+34 - 970+97	TAPER	438	10	486	2	97	54	1	54	328
970+97 - 847+14		12383	10	13759	2	2752	1541	29	1541	9287
847+14 - 842+52	TAPER	463	10	514	2	103	58	1	58	347
842+52 - 841+42	(037-0110) MILLING 5.5"	110	10	122	2	24	14	0.3	14	83
841+42 - 836+79	TAPER	463	10	514	2	103	58	1	58	347
836+79 - 794+52		4227	10	4697	2	939	526	10	526	3171
794+52 - 789+64	TAPER	488	10	542	2	108	61	1	61	366
789+64 - 788+54	(037-0109) MILLING 6"	110	10	122	2	24	14	0.3	14	83
788+54 - 783+67	TAPER	488	10	542	2	108	61	1	61	366
783+67 - 727+36		5631	10	6256	2	1251	701	13	701	4223
727+36 - 725+36	TAPER	200	10	222	2	44	25	0.5	25	150
725+36 - 724+96	MILLING 4"	40	10	44	2	9	5	0.1	5	30
724+96 - 723+46	(037-0108) BRIDGE OMISSION									
723+46 - 723+06	MILLING 4"	40	10	44	2	9	5	0.1	5	30
723+06 - 721+06	TAPER	200	10	222	2	44	25	0.5	25	150
721+06 - 614+24		10682	10	11869	2	2374	1329	25	1329	8012
614+24 - 612+24	TAPER	200	10	222	2	44	25	0.5	25	150
612+24 - 600+82	MILLING 4"	1142	10	1268	2	254	142	3	142	856
WESTBOUND OUTSIDE SHOULDER TOTAL							5202	97	5202	31349
WESTBOUND SHOULDER TOTAL							7282	3334	7282	43888
SHOULDER TOTAL							14,617	6,692	14,617	88,091

MILLING SCHEDULE

LOCATION	REMARKS	LENGTH FT	PROPOSED SURFACE			44000165	44000169	44000171	44000177		
			MAINLINE		SHOULDER		HMA SURF REM 4"	HMA SURF REM 5"	HMA SURF REM 5 1/2"	HMA SURF REM 6"	
			WIDTH FT	AREA SQ YD	INSIDE FT	OUTSIDE FT	AREA SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
EASTBOUND											
600+82 - 601+22	MILLING 4"	40	24	107	4	10	62	169			
601+22 - 603+22	TAPER	200	24	533	4	10	311	844			
603+22 - 724+06		12084	24	32224	4	10	18797				
724+06 - 726+06	TAPER	200	24	533	4	10	311	844			
726+06 - 726+46	MILLING 4"	40	24	107	4	10	62	169			
726+46 - 724+96	(037-0107) BRIDGE OMISSION										
724+96 - 725+36	MILLING 4"	40	24	107	4	10	62	169			
725+36 - 727+36	TAPER	200	24	533	4	10	311	844			
727+36 - 784+67		5731	24	15282	4	10	8914				
784+67 - 788+54	TAPER	388	24	1033	4	10	603	1636			
788+54 - 789+64	(037-0109) MILLING 4"	110	24	293	4	10	171	464			
789+64 - 793+52	TAPER	388	24	1033	4	10	603	1636			
793+52 - 836+54		4302	24	11473	4	10	6693				
836+54 - 841+42	TAPER	488	24	1300	4	10	758		2058		
841+42 - 842+52	(037-0110) MILLING 6"	110	24	293	4	10	171	464	464		
842+52 - 847+39	TAPER	488	24	1300	4	10	758		2058		
847+39 - 971+47		12408	24	33087	4	10	19301				
971+47 - 975+34	TAPER	388	24	1033	4	10	603	1636			
975+34 - 976+44	(037-0111) MILLING 4"	110	24	293	4	10	171	464			
976+44 - 980+32	TAPER	388	24	1033	4	10	603	1636			
980+32 - 1014+00		3368	24	8982	4	10	5239				
1014+00 - 1016+00	TAPER	200	24	533	4	10	311	844			
1016+00 - 1020+30	MILLING 4"	430	24	1147	4	10	669	1816			
EASTBOUND TOTAL								13173	0	0	4581
WESTBOUND											
1020+30 - 1016+00	MILLING 4"	430	24	1147	4	10	669	1816			
1016+00 - 1014+00	TAPER	200	24	533	4	10	311	844			
1014+00 - 980+82		3318	24	8849	4	10	5162				
980+82 - 976+44	TAPER	438	24	1167	4	10	681	1847			
976+44 - 975+34	(037-0111) MILLING 5"	110	24	293	4	10	171	464			
975+34 - 970+97	TAPER	438	24	1167	4	10	681	1847			
970+97 - 847+14		12383	24	33021	4	10	19262				
847+14 - 842+52	TAPER	463	24	1233	4	10	719		1953		
842+52 - 841+42	(037-0110) MILLING 5.5"	110	24	293	4	10	171	464	464		
841+42 - 836+79	TAPER	463	24	1233	4	10	719		1953		
836+79 - 794+52		4227	24	11273	4	10	6576				
794+52 - 789+64	TAPER	488	24	1300	4	10	758		2058		
789+64 - 788+54	(037-0109) MILLING 6"	110	24	293	4	10	171	464	464		
788+54 - 783+67	TAPER	488	24	1300	4	10	758		2058		
783+67 - 727+36		5631	24	15015	4	10	8759				
727+36 - 725+36	TAPER	200	24	533	4	10	311	844			
725+36 - 724+96	MILLING 4"	40	24	107	4	10	62	169			
724+96 - 723+46	(037-0108) BRIDGE OMISSION										
723+46 - 723+06	MILLING 4"	40	24	107	4	10	62	169			
723+06 - 721+06	TAPER	200	24	533	4	10	311	844			
721+06 - 614+24		10682	24	28486	4	10	16617				
614+24 - 612+24	TAPER	200	24	533	4	10	311	844			
612+24 - 600+82	MILLING 4"	1142	24	3044	4	10	1776	4820			
WESTBOUND TOTAL								10351	4159	4370	4581
MILLING TOTAL								23,525	4,159	4,370	9,162

PATCHING SCHEDULE

LOCATION	REMARKS	LENGTH OF PATCH		44200970 CL B PATCH T2 10 INCH		44200974 CL B PATCH T3 10 INCH		44200976 CL B PATCH T4 10 INCH		44213200	44201299	44213204	44213100	44002222		40601005	
		LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	SAW CUTS (3W+?L)	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC	LT LANE	RT LANE	LT LANE	RT LANE
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FT	EA	EA	SQ YD	SQ YD	SQ YD	SQ YD	TON
WESTBOUND PATCHING																	
1000+08 - 1000+00		8	8	11	11					44	20			12	12	4	4
965+42 - 965+36			6		8					48	20				9		3
964+55 - 964+49			6		8					48	20				9		3
964+39 - 964+29			10		13					56	20				15		5
963+61 - 963+51			10		13					56	20				15		5
963+29 - 963+11			18			24				72	20	24			25		8
962+27 - 962+21			6		8					48	20				9		3
961+23 - 961+17			6		8					48	20				9		3
960+92 - 960+86			6		8					48	20				9		3
960+23 - 959+93			30					40		96	20	15	40		41		13
959+71 - 959+63			8		11					52	20				12		4
959+45 - 959+37			8		11					52	20				12		4
958+92 - 958+80			12			16				60	20		16		17		5
958+14 - 958+08			6		8					48	20				9		3
952+15 - 952+09			6		8					48	20				9		3
951+84 - 951+78			6		8					48	20				9		3
951+16 - 951+10			6		8					48	20				9		3
950+18 - 950+12			6		8					48	20				9		3
949+16 - 949+10			6		8					48	20				9		3
947+17 - 947+11			6		8					48	20				9		3
946+18 - 946+12			6		8					48	20				9		3
945+18 - 945+12			6		8					48	20				9		3
942+13 - 942+07			6		8					48	20				9		3
941+12 - 941+06			6		8					48	20				9		3
940+12 - 940+06			6		8					48	20				9		3
939+12 - 939+06			6		8					48	20				9		3
938+36 - 938+30			6		8					48	20				9		3
938+12 - 938+06			6		8					48	20				9		3
935+10 - 935+04			6		8					48	20				9		3
934+09 - 934+03			6		8					48	20				9		3
933+09 - 933+03			6		8					48	20				9		3
926+39 - 926+33			6		8					48	20				9		3
926+09 - 926+03			6		8					48	20				9		3
925+79 - 925+73			6		8					48	20				9		3
925+05 - 924+99			6		8					48	20				9		3
924+05 - 923+99			6		8					48	20				9		3
923+09 - 923+03			6		8					48	20				9		3
920+99 - 920+93			6		8					48	20				9		3
920+19 - 920+13			6		8					48	20				9		3
917+69 - 917+63			6		8					48	20				9		3
917+44 - 917+38			6		8					48	20				9		3
915+93 - 915+87			6		8					48	20				9		3
914+92 - 914+86			6		8					48	20				9		3
907+91 - 907+85			6		8					48	20				9		3
906+93 - 906+87			6		8					48	20				9		3
904+90 - 904+84			6		8					48	20				9		3
901+95 - 901+89			6		8					48	20				9		3
900+25 - 900+00		25	25					33	33	61	40	13	67	35	35	11	11
880+81 - 880+75		6	6	8	8					42	40			9	9	3	3
880+26 - 880+20			6		8					48	20				9		3
879+89 - 879+83			6		8					48	20				9		3
961+37 - 961+31			6		8					48	20				9		3
848+32 - 848+24			8		11					52	20				12		4
841+26 - 841+20			6		8					48	20				9		3
841+08 - 841+02			6		8					48	20				9		3
836+42 - 836+36			6		8					48	20				9		3
805+20 - 805+14			6		8					48	20				9		3
803+42 - 803+32			10		13					56	20				15		5
802+46 - 802+40			6		8					48	20				9		3
800+06 - 800+00		12	12			16	16			48	40		32	9	9	3	3
799+41 - 799+35		6	6	8	8					42	40			9	9	3	3
793+80 - 793+74			6		8					48	20				9		3
792+77 - 792+71		6	6	8	8					42	40			9	9	3	3

PATCHING SCHEDULE

LOCATION	REMARKS	LENGTH OF PATCH		44200970 CL B PATCH T2 10 INCH		44200974 CL B PATCH T3 10 INCH		44200976 CL B PATCH T4 10 INCH		44213200	44201299	44213204	44213100	44002222		40601005	
		LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	SAW CUTS (3W+?L)	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC	LT LANE	RT LANE	LT LANE	RT LANE
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FT	EA	EA	SQ YD	SQ YD	SQ YD	TON	TON
WESTBOUND PATCHING																	
792+55 - 792+49			6		8					48	20				9		3
792+31 - 792+25			6		8					48	20				9		3
790+16 - 790+10			6		8					48	20				9		3
784+38 - 784+32			6		8					48	20				9		3
783+44 - 783+32			12				16			60	20		16		17		5
762+46 - 762+36			10		13					56	20				15		5
745+09 - 745+03			6		8					48	20				9		3
742+09 - 742+03			6		8					48	20				9		3
731+52 - 731+46		6	6	6	8					42	40			9	9	3	3
730+47 - 730+41			6		8					48	20				9		3
727+12 - 727+06			6		8					48	20				9		3
726+89 - 726+83			6		8					48	20				9		3
726+69 - 726+63			6		8					48	20				9		3
726+39 - 726+33			6		8					48	20				9		3
700+68 - 700+58			10		13					56	20				15		5
700+25 - 700+00		26	26		35			35	35	62	20	13	69	35	35	11	11
698+95 - 698+89			6		8					48	20				9		3
688+28 - 688+22			6		8					48	20				9		3
610+85 - 610+79		6	6	8	8					42	20			9	9	3	3
610+20 - 610+00		20	20					27	27	56	20	10	53	28	28	9	9
WESTBOUND TOTAL					721		88		229	4133	1780	51	317		1111		342

PATCHING SCHEDULE

LOCATION	REMARKS	LENGTH OF PATCH		44200970		44200974		44200976		44213200	44201299	44213204	44213100	44002222		40601005					
				CL B PATCH T2 10 INCH		CL B PATCH T3 10 INCH		CL B PATCH T4 10 INCH		SAW CUTS (3W+?L)	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC	HMA RM OV PATCH 5 1/2"		HMA REPL OVER PATCH					
				LT LANE FT	RT LANE FT	LT LANE SQ YD	RT LANE SQ YD	LT LANE SQ YD	RT LANE SQ YD					LT LANE SQ YD	RT LANE SQ YD	LT LANE SQ YD	RT LANE SQ YD	LT LANE TON	RT LANE TON		
EASTBOUND PATCHING																					
610+00 - 610+10		12	12			16	16			48	20		32	15	15	5	5				
612+41 - 612+47			6		8					48	20				9		3				
613+37 - 613+45			8		11					52	20				12		4				
623+24 - 623+32			8		11					52	20				12		4				
633+17 - 633+27			10		13					56	20				15		5				
647+11 - 647+23			12				16			60	20	16			17		5				
659+99 - 660+07			8		11					52	20				12		4				
671+89 - 671+97			8		11					52	20				12		4				
682+34 - 682+42			8		11					52	20				12		4				
694+32 - 694+38		6		8						48	40			9		3					
700+00 - 700+40		40	40					53	53	76	20	20	107	55	55	17	17				
711+63 - 711+69		6		8						48	40			9		3					
712+83 - 712+89			6		8					48	20				9		3				
717+93 - 717+99			6		8					48	20				9		3				
718+63 - 718+69			6		8					48	20				9		3				
719+44 - 719+50		6		8						48	20			9		3					
725+22 - 725+28		6		8						48	20			9		3					
725+12 - 725+27		6	15	8			20			40		20		21	21	7	7				
725+32 - 725+42			10		13					56	20				15		5				
726+93 - 726+99			6		8					48	20				9		3				
736+38 - 736+53		15	10		13	20					40	20	20	21	21	7	7				
737+32 - 737+38		6		8						48	20			9		3					
738+47 - 738+55		8		11						52	20			12							
767+93 - 768+01			8		11					52	20				12		4				
777+30 - 777+38			8		11					52	20				12		4				
780+23 - 780+29		6	6	8	8					42	20			9	9	3	3				
787+22 - 787+28		6		8						48	20			9		3					
792+42 - 792+50			8							52	20				12		4				
793+41 - 793+49			8							52	20				12		4				
800+00 - 800+36		36	36					48	48	72	20	18	96	49	49	15	15				
847+37 - 847+49			12				16			60	20		16		17		5				
876+17 - 876+23		6		8							20			9		3					
890+96 - 891+11		15	15			20	20			66	20		40	21	21	7	7				
900+00 - 900+10		10	10	13	13						20			15	15	5	5				
900+88 - 901+88			100												67		4				
903+52 - 903+60			8		11						20				12		4				
904+98 - 905+04		6	6	8	8						20			9	9	3	3				
992+33 - 992+33			6		8						20				1		0				
1000+00 - 1000+12		12	12			16	16			48	20			17	17	5	5				
1009+69 - 1009+69			6		8						20				1		0				
EASTBOUND TOTAL				315		176		203		1632		860		38		347		845		239	
PATCHING TOTAL				1,035		264		432		5,765		2,640		89		664		1,955		582	

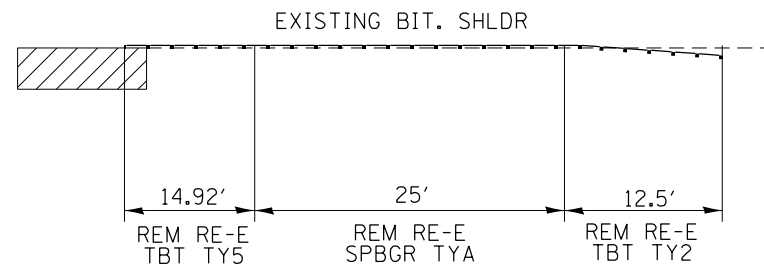
GUARDRAIL SCHEDULE

LOCATION	REMARKS	48102100	50901705	63000001	63000003	63100045	63100089	63100101	63100167	63200310	63301210	63301215	63301990	63302000	63302400	63302700	63500105	78200410	78201000	X2800400	X6300130
		AGG WEDGE SHLD TYPE B	TUB THRBM RETRO RL BR	SPBGR TY A 6FT POSTS	SPBGR TY A 9FT POSTS	TRAF BAR TERM T2	TRAF BAR TERM T6B	TRAF BAR TERM T9	TR BAR TRM T1 SPL TAN	GUARDRAIL REMOVAL	REM RE-E SPBGR TY A	REM RE-E SPBGR TY B	REM RE-E T B TERM T1	REM RE-E T B TERM T2	REM RE-E T B TERM T5	REM RE-E T B TERM T6	DELINEATORS	GUARDRAIL MKR TYPE A	TERMINAL MARKER - DA	PERIMETER EROS BAR SP	SPBGR TY A SPL
		TON	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT
EASTBOUND																					
600+82 - 601+34	OSCO RD. - OUTSIDE SHOULDER (SN 037-0033)										25.0				1	1		4			
600+82 - 601+34	OSCO RD. - INSIDE SHOULDER (SN 037-0033)										25.0				1	1		4			
671+16 - 674+79	7271 FT E. OF OSCO RD. (SN 037-0033)										300.0		1	1			1	5	1		
685+79 - 694+35	8980 FT E. OF OSCO RD. (SN 037-0033)			37.5							737.5		1	1			1	10	1		
721+20 - 725+58	MINERAL CREEK BRIDGE - OUTSIDE SHOULDER (SN 037-0107)		150.0	175.0		1		2	1	438							1	6	1		
721+81 - 725+43	MINERAL CREEK BRIDGE - INSIDE SHOULDER (SN 037-0107)		150.0	275.0		1		2	1	363							1	7	1		
786+47 - 789+15	E. 950TH ST. (SN 037-0109)							1		63	162.5		1				1	4	1		
839+34 - 842+03	E. 1050TH ST. (SN 037-0110)							1		63	162.5		1				1	4	1		
955+25 - 958+53	11492 FT. E. OF E. 1050TH ST. (SN 037-0110)										262.5		1	1			1	4	1		
972+77 - 975+96	E. 1300TH ST. (SN 037-0111)							1		63	212.5		1				1	4	1		
EASTBOUND TOTAL		0	300.0	487.5	0.0	2	3	4	2	988	1887.5		6	5	2	0	8	52	8	0.0	0.0
WESTBOUND																					
979+14 - 975+83	E. 1300TH ST. (SN 037-0111)							1		63	225.0		1				1	4	1		
958+31 - 956+06	1871 FT W. OF E. 1300TH ST. (SN 037-0111)			162.5		1			1	300							1	4	1		
844+59 - 841+90	E. 1050TH ST. (SN 037-0110)							1		63	162.5		1				1	4	1		
831+67 - 824+26	1400 FT W. OF E. 1050TH ST. (SN 037-0110)	60			687.5	1			1	700							1	10	1	375.0	287.5
813+94 - 810+19	2990 FT W. OF E. 1050TH ST. (SN 037-0110)									50	312.5		1	1			1	5	1		
791+84 - 789+03	E. 950TH ST. (SN 037-0109)							1		63	175.0		1				1	4	1		
743+83 - 736+71	4882 FT W. OF E. 950TH ST. (SN 037-0109)									38	650.0		1	1			1	5	1		
727+25 - 722+75	MINERAL CREEK BRIDGE - OUTSIDE SHOULDER (SN 037-0108)		150.0	187.5		1		2	1	450							1	6	1		
726+50 - 722+92	MINERAL CREEK BRIDGE - INSIDE SHOULDER (SN 037-0108)		150.0	275.0		1		2	1	363							1	7	1		
698+43 - 688+55	6439 FT W. OF E. 950TH ST. (SN 037-0109)	150									925.0		1	1			1	12	1	925.0	700.0
678+25 - 671+71	11411 FT W. OF E. 950TH ST. - OUTSIDE SHOULDER (SN 037-0109)			587.5		1			1	650							1	4	1		
673+88 - 671+63	11634 FT W. OF E. 950TH ST. - INSIDE SHOULDER (SN 037-0109)										162.5		1	1			1	4	1		
638+07 - 636+15	15198 FT W. OF E. 950TH ST. - INSIDE SHOULDER (SN 037-0109)										87.5	37.5	1	1			1	4	1		
637+68 - 636+14	15218 FT W. OF E. 950TH ST. - OUTSIDE SHOULDER (SN 037-0109)										50.0	37.5	1	1			1	4	1		
604+76 - 600+82	OSCO RD. - INSIDE SHOULDER (SN 037-0034)									75	300.0		1			1	1	5	1		
WESTBOUND TOTAL		210	300.0	1212.5	687.5	5	3	4	5	2813	3050.0	75.0	10	6	0	1	15	82	15	1300.0	987.5
TOTAL		210	600	1,700.0	687.5	7	6	8	7	3,801	4,937.5	75.0	16	11	2	1	23	134	23	1,300.0	987.5

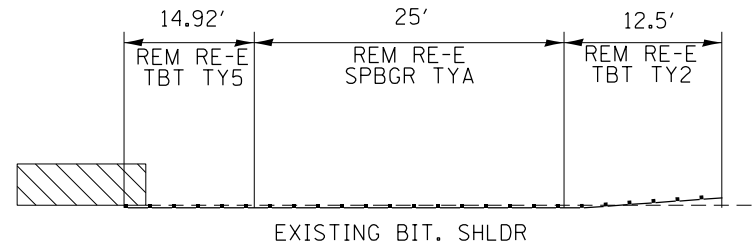
EASTBOUND GUARDRAIL

RT STA. 600+82 TO STA 601+34

HAZARD = END OF PARAPET @ STA. 600+82 ; 10' FROM EOP



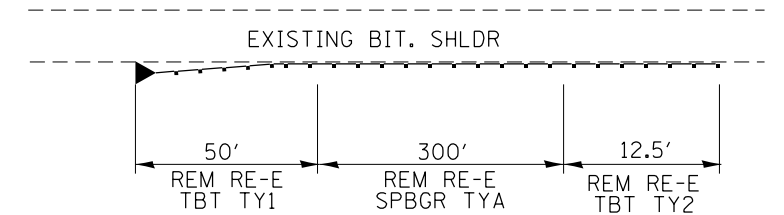
RT STA. 600+82 TO STA 601+34



HAZARD = END OF PARAPET @ STA. 600+82 ; 4' FROM EOP

RT STA. 671+16 TO STA 674+79

OSCO RD (S.N. 037-0033) @ STA. 600+27

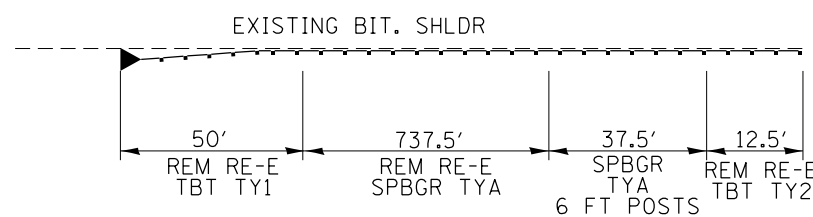


HAZARD= SLOPE STA. 673+49 TO STA. 675+13
30' FROM EOP

X X X X X

RT STA. 685+97 TO STA 694+35

OSCO RD (S.N. 037-0033) @ STA. 600+27

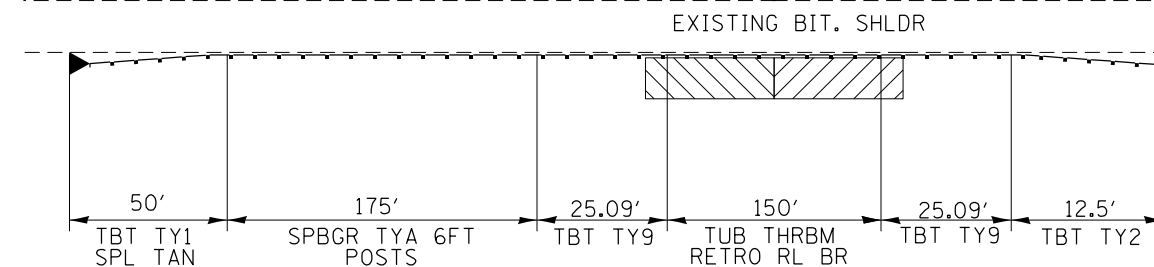


HAZARD= SLOPE STA. 688+47 TO STA. 694+69
30' FROM EOP

X X X X X

RT STA. 721+20 TO STA 725+58

HAZARD = END OF PARAPET @ STA 723+70 ; 3' FROM EOP



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS

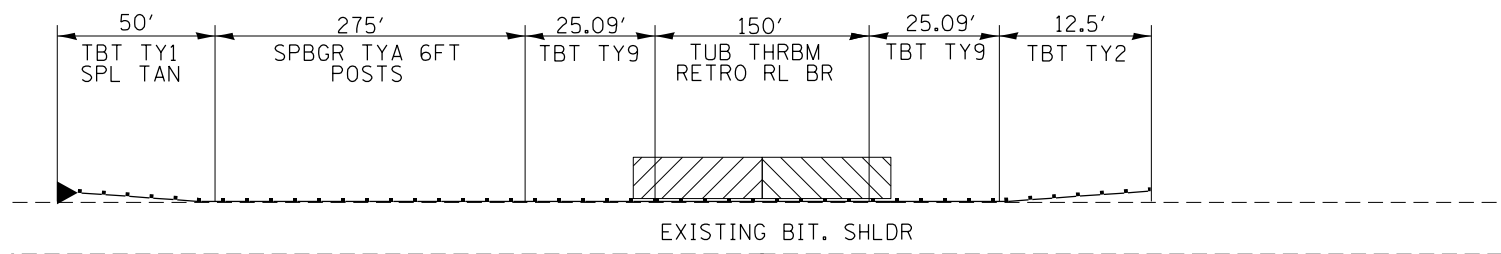
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	30
CONTRACT NO. 64063			ILLINOIS FED. AID PROJECT	

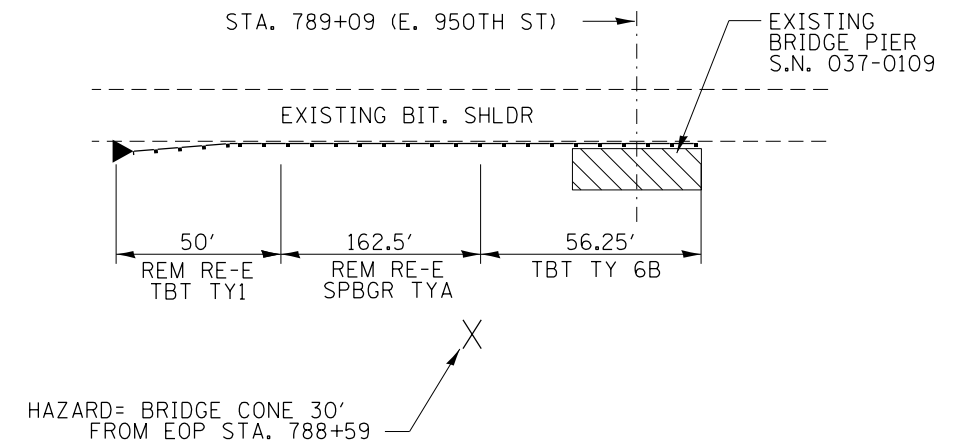
EASTBOUND GUARDRAIL

RT STA. 721+81 TO STA 725+43

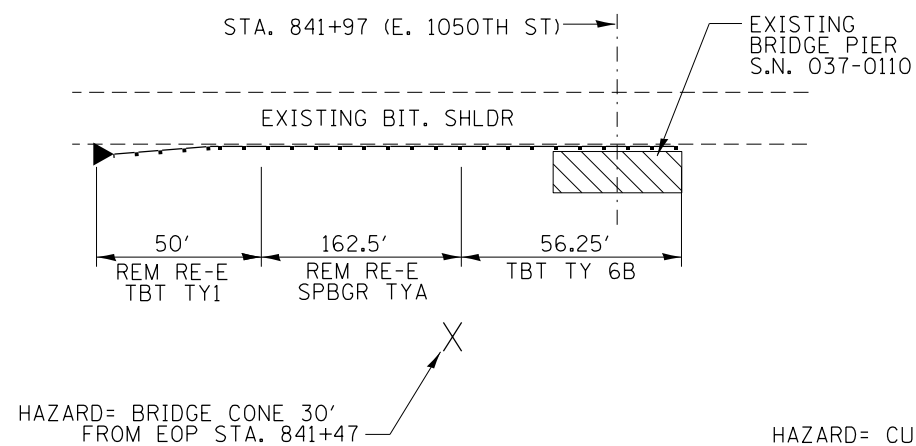
HAZARD = END OF PARAPET @ STA 723+52 ; 3' FROM EOP



RT STA. 786+47 TO STA 789+15

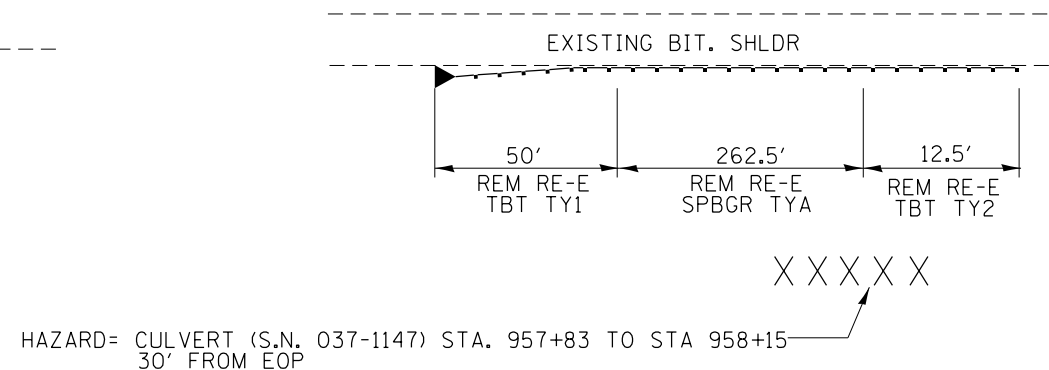


RT STA. 839+34 TO STA 842+03

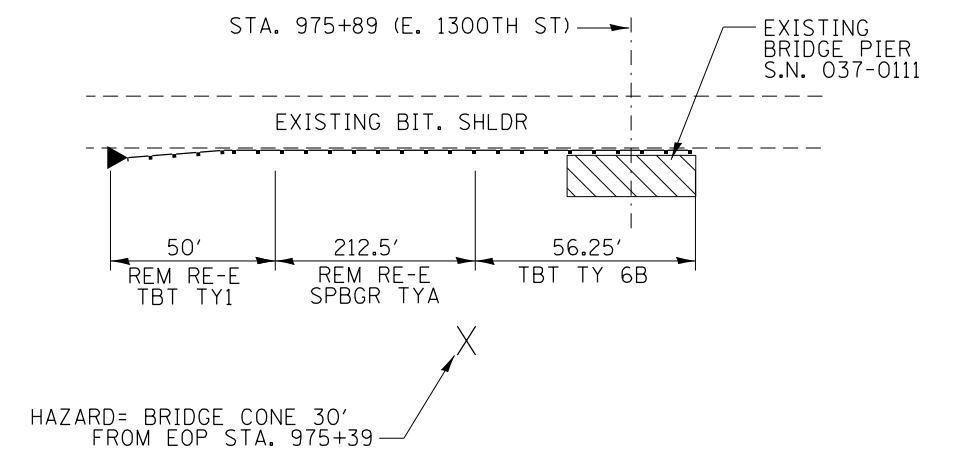


RT STA. 955+25 TO STA 958+53

E. 1050TH @ STA. 841+97



RT STA. 972+77 TO STA 975+96

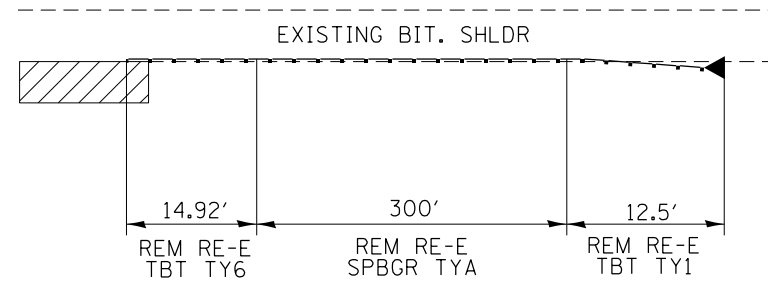


FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Plot SCALE = 100.000' / in.	DRAWN -	REVISED -					80	(37-2.3) RS-3	HENRY	50	31
	PLOT DATE = Tue Aug 19 14:47:23 2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64G63				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

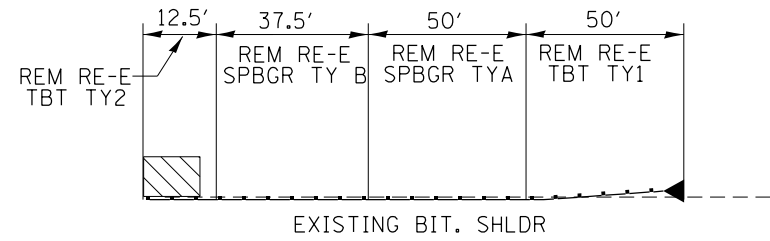
WESTBOUND GUARDRAIL

LT STA. 604+76 TO STA 600+82

HAZARD = END OF PARAPET @ STA. 600+82 ; 6' FROM EOP



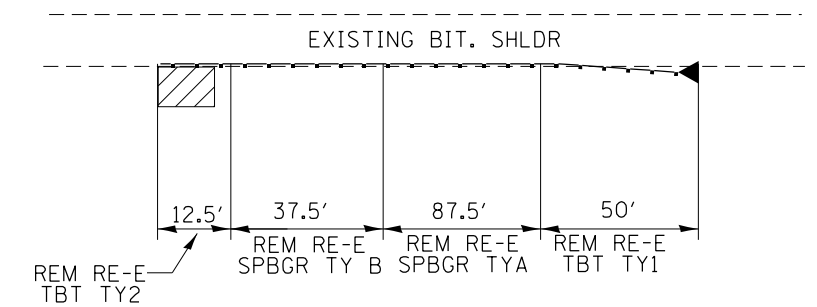
LT STA. 637+68 TO STA 636+14



HAZARD = OVERHEAD SIGN @ STA 636+71 ; 10' FROM EOP

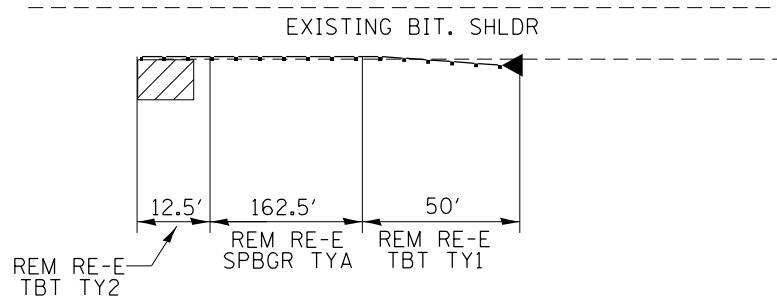
LT STA. 638+07 TO STA 636+15

HAZARD = OVERHEAD SIGN @ STA 636+71 ; 10' FROM EOP



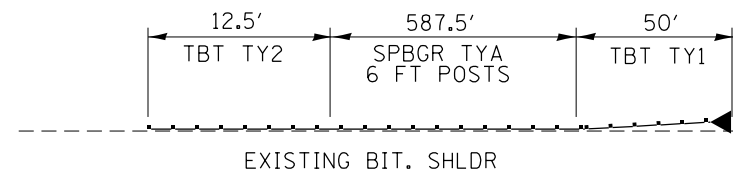
LT STA. 673+88 TO STA 671+63

HAZARD = OVERHEAD CMS @ STA 671+91 ; 12' FROM EOP



LT STA. 678+25 TO STA 671+71

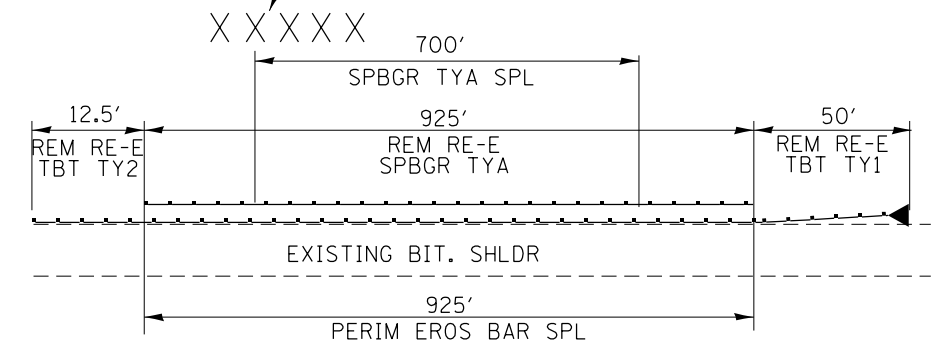
HAZARD= SLOPE STA. 675+59 TO STA. 671+41
30' FROM EOP



E. 950TH @ STA. 789+09

LT STA. 698+43 TO STA 688+55

HAZARD= SLOPE STA. 695+73 TO STA. 688+56
30' FROM EOP



E. 950TH @ STA. 789+09

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS

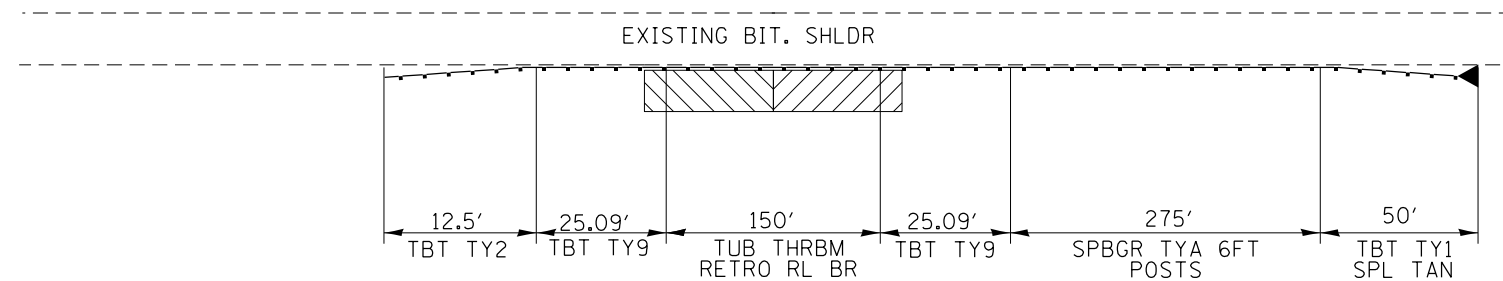
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	32
CONTRACT NO. 64063			ILLINOIS FED. AID PROJECT	

WESTBOUND GUARDRAIL

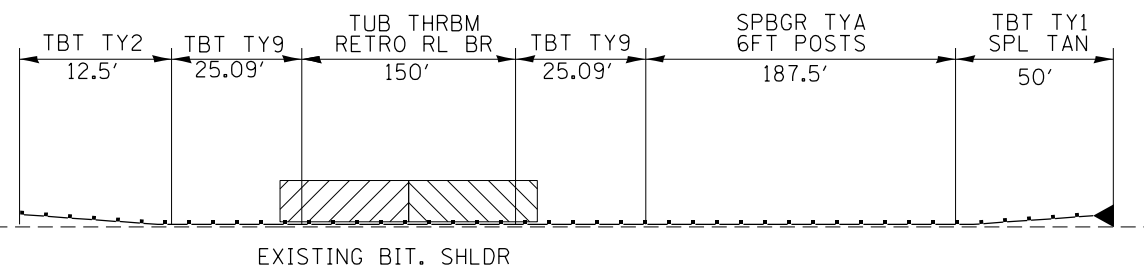
LT STA. 726+50 TO STA 722+92

HAZARD = END OF PARAPET @ STA 724+80 ; 3' FROM EOP



LT STA. 727+25 TO STA 722+75

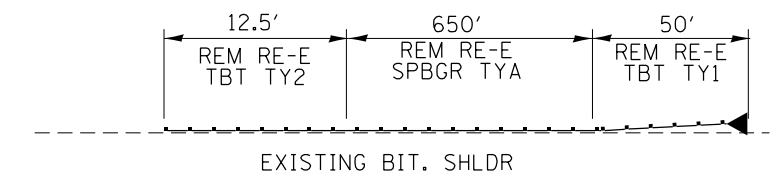
HAZARD = END OF PARAPET @ STA 723+63 ; 3' FROM EOP



LT STA. 743+83 TO STA 736+71

HAZARD= SLOPE STA. 741+30 TO STA. 736+41
30' FROM EOP

X X X X X



E. 950TH @ STA. 789+09

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
e:\pwork\pwork\grantpm\d0340191\02000111-shd-details.dgn		DRAWN -	REVISED -
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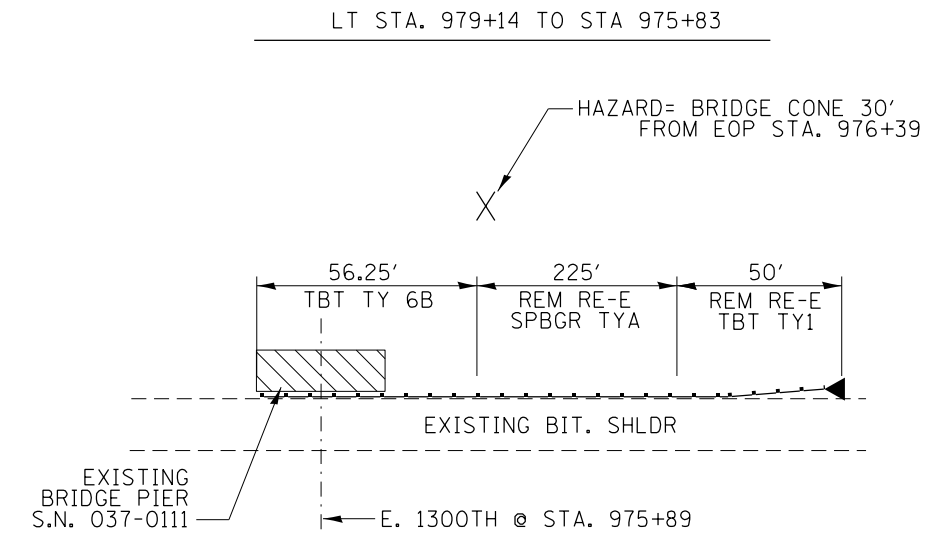
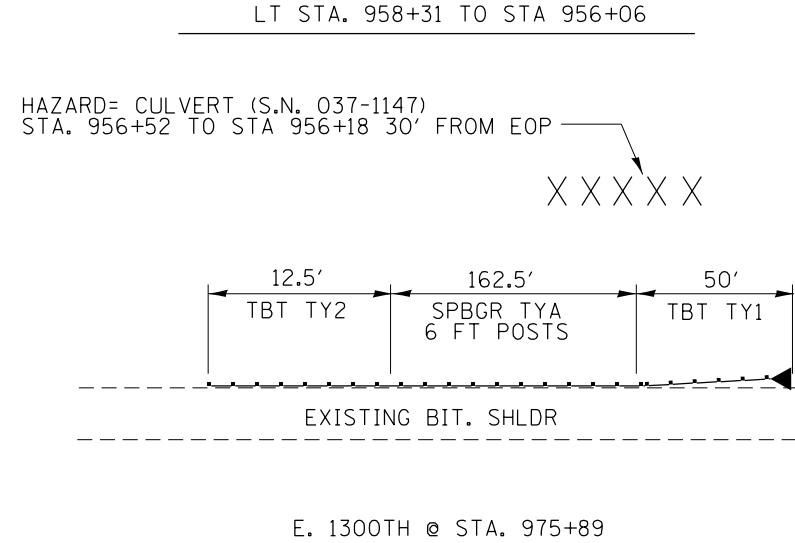
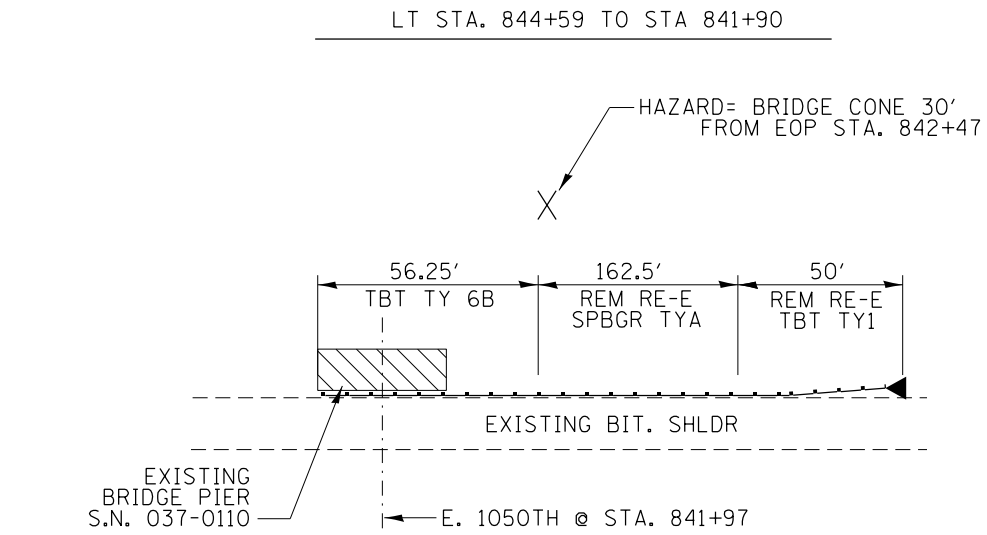
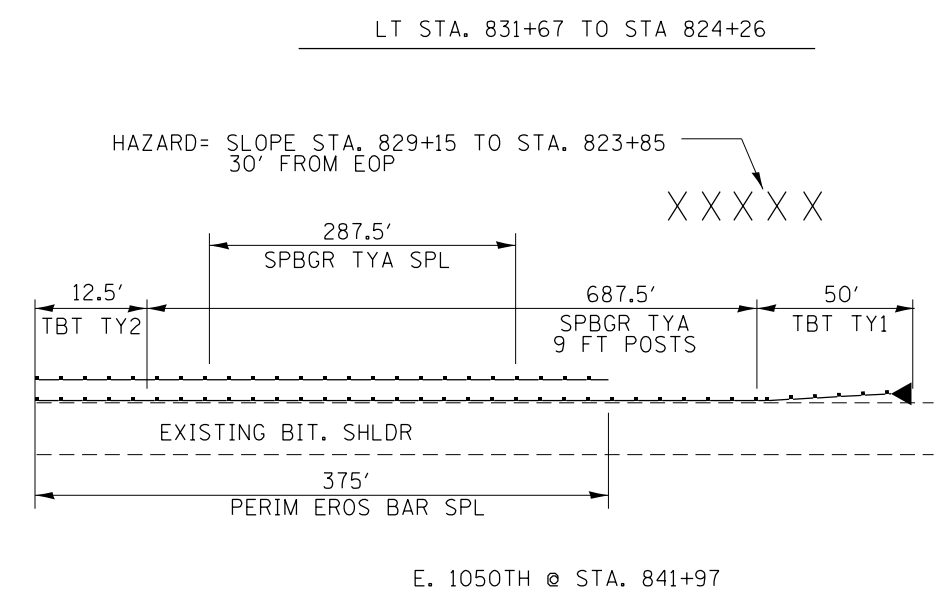
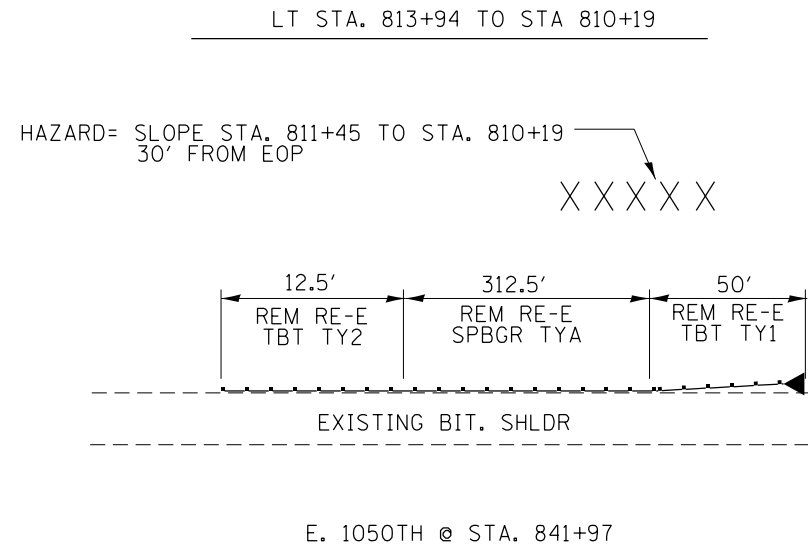
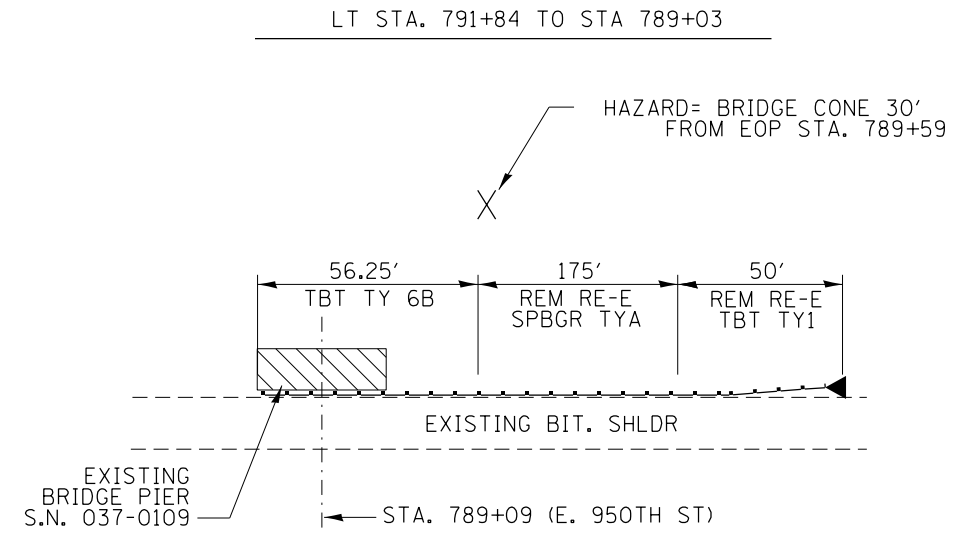
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	33
CONTRACT NO. 64063			ILLINOIS FED. AID PROJECT	

WESTBOUND GUARDRAIL



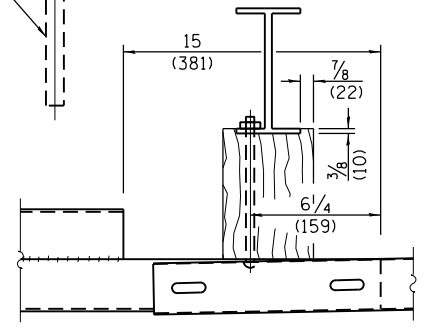
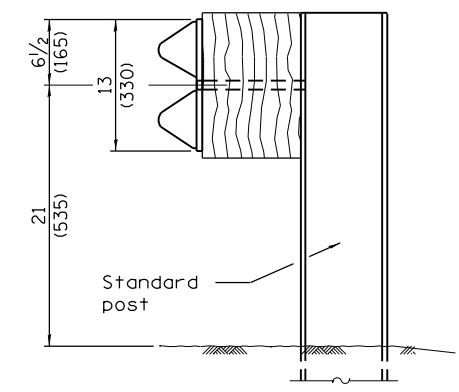
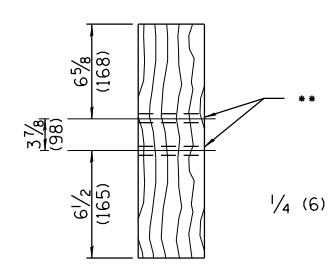
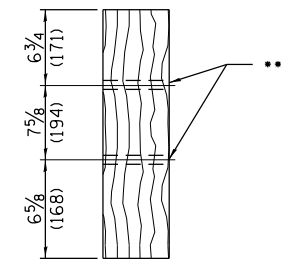
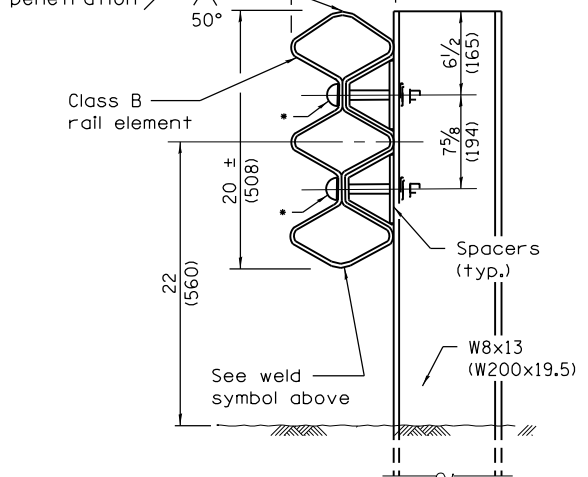
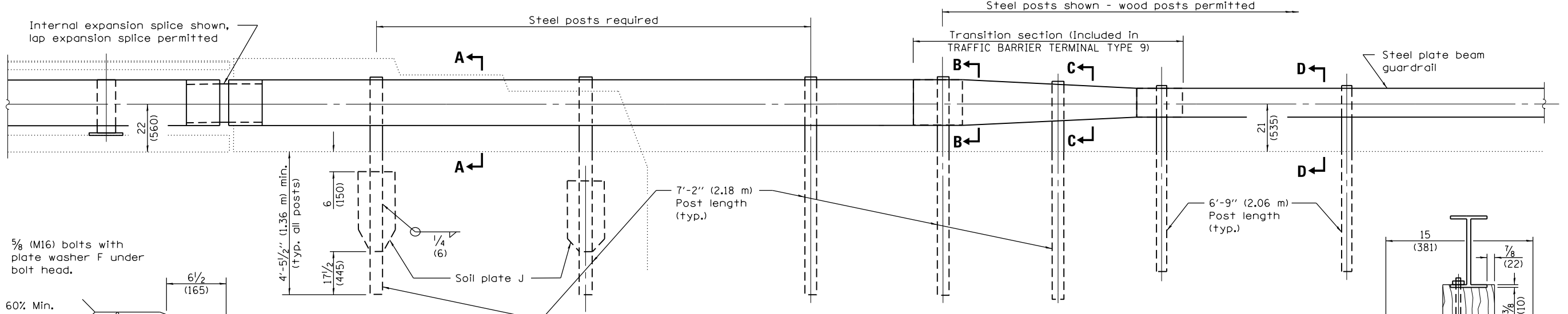
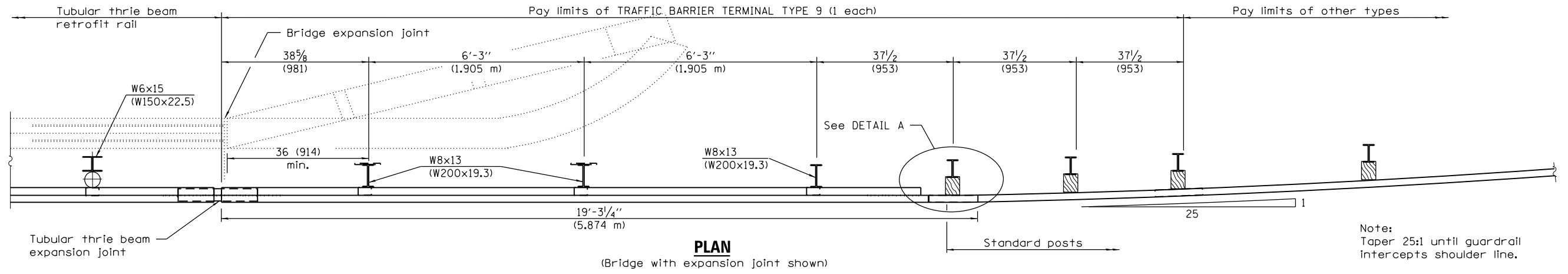
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Default	PLOT SCALE = 100.000 / in.	CHECKED -	REVISED -
	PLOT DATE = Tue Aug 19 14:48:06 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	34
CONTRACT NO. 64063			ILLINOIS FED. AID PROJECT	



DETAILS of BLOCK-OUTS
•• \varnothing 3/4 (19) Dia. hole

4-3/4 (19) Dia. holes with 5/8 (M16) hex head bolts with std. hex nut (typ.)

SOIL PLATE J & ALTERNATE CONNECTION DETAILS

GENERAL NOTES

See Standards 509001 and 630001 for details of guardrail elements not shown.

The Type 9 terminal shall be installed after the posts for the bridge retrofit rail have been located as shown on Standard 509001.

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

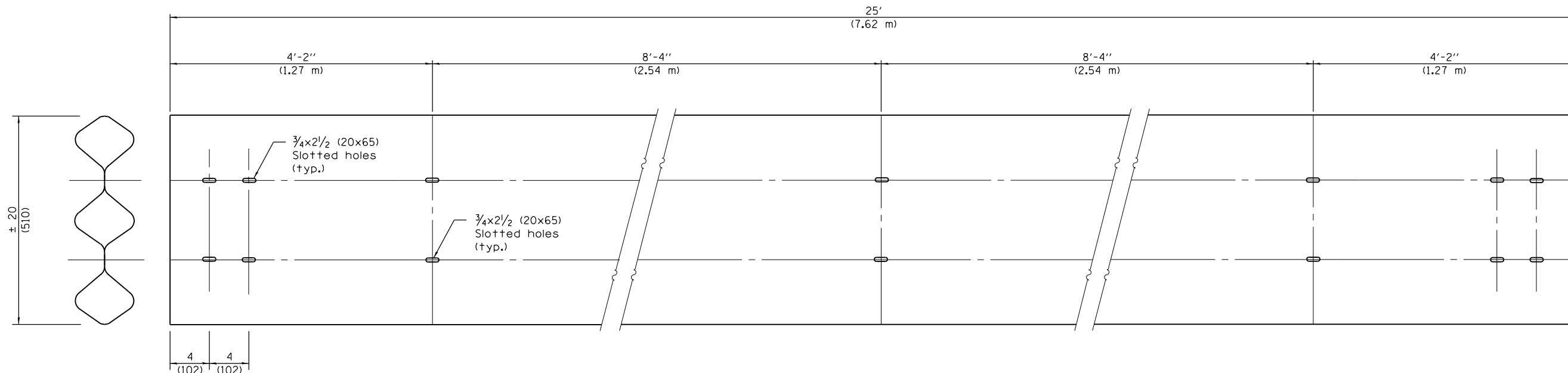
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

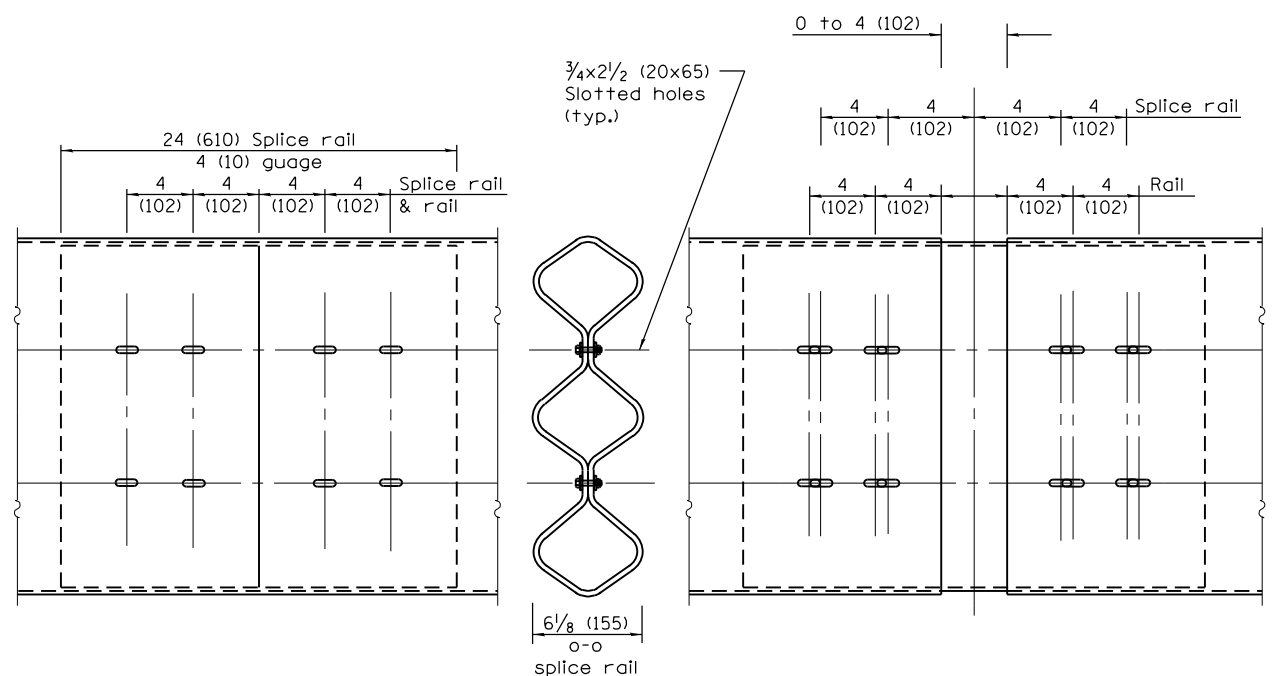
TRAFFIC BARRIER TERMINAL TY 9 DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	35
CONTRACT NO. 64G63			ILLINOIS FED. AID PROJECT	

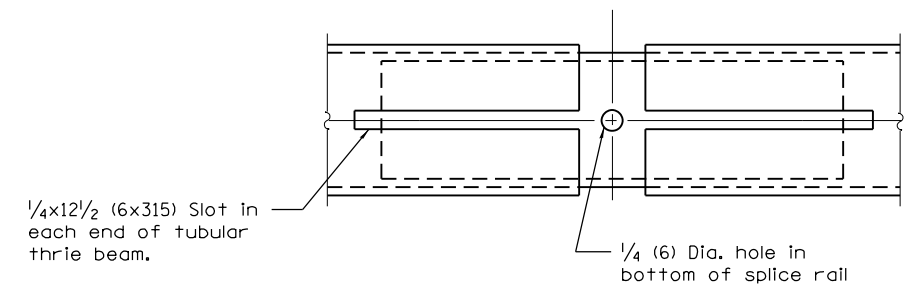


TUBULAR THRIE BEAM FOR INTERNAL SPLICE JOINT



INTERNAL SPLICE JOINT

INTERNAL EXPANSION SPLICE JOINT



BOTTOM VIEW OF INTERNAL EXPANSION SPLICE JOINT

GENERAL NOTES

Plate Washers B are to be placed under both heads and nuts of splicing bolts for internal splice and internal expansion splice joint.

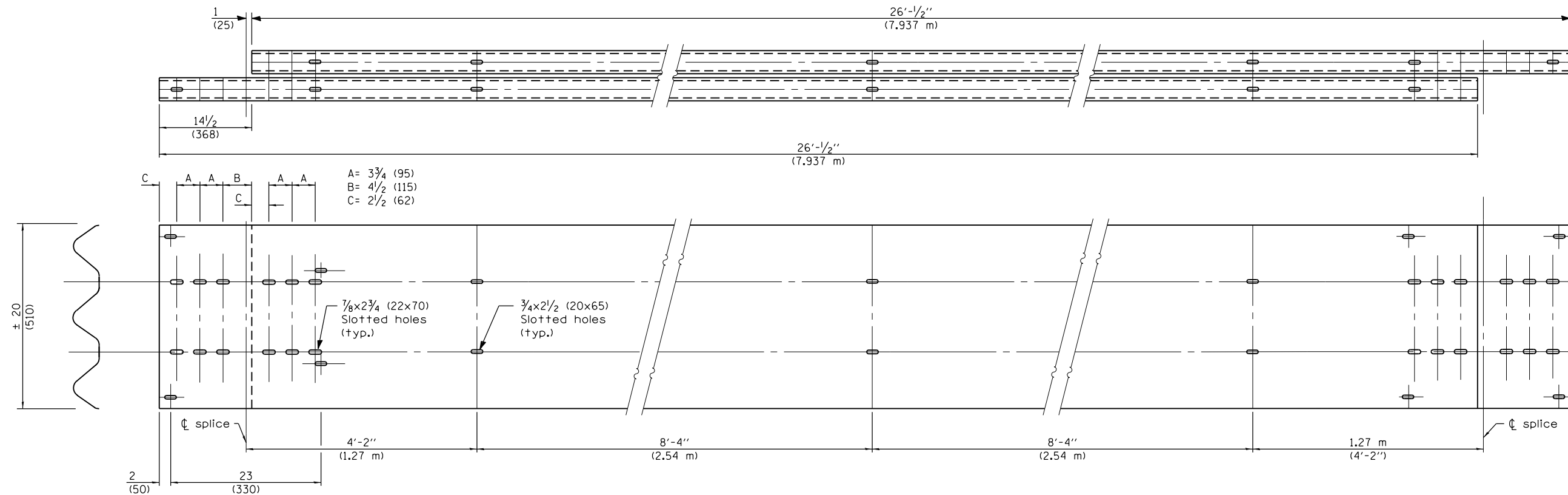
Plate Washers C are to be placed under both heads and nuts of splicing bolts for lap expansion and internal lap splice joint.

See Standard 630001 for details of guardrail not shown.

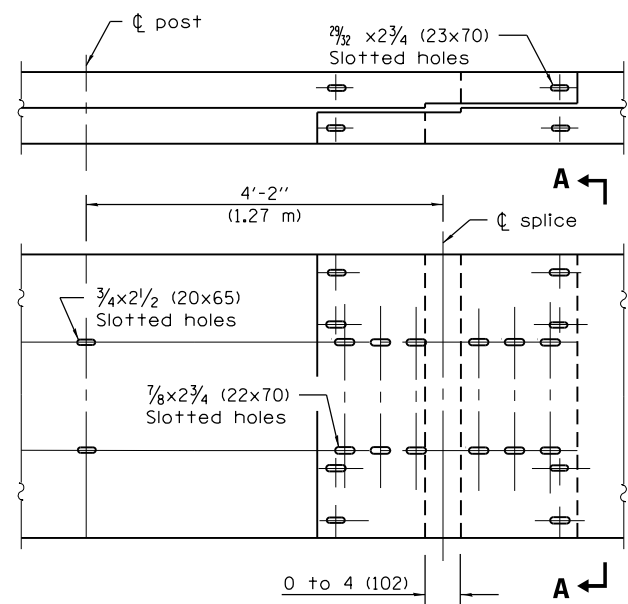
All dimensions are in inches (millimeters) unless otherwise shown.

(Sheet 1 of 3)

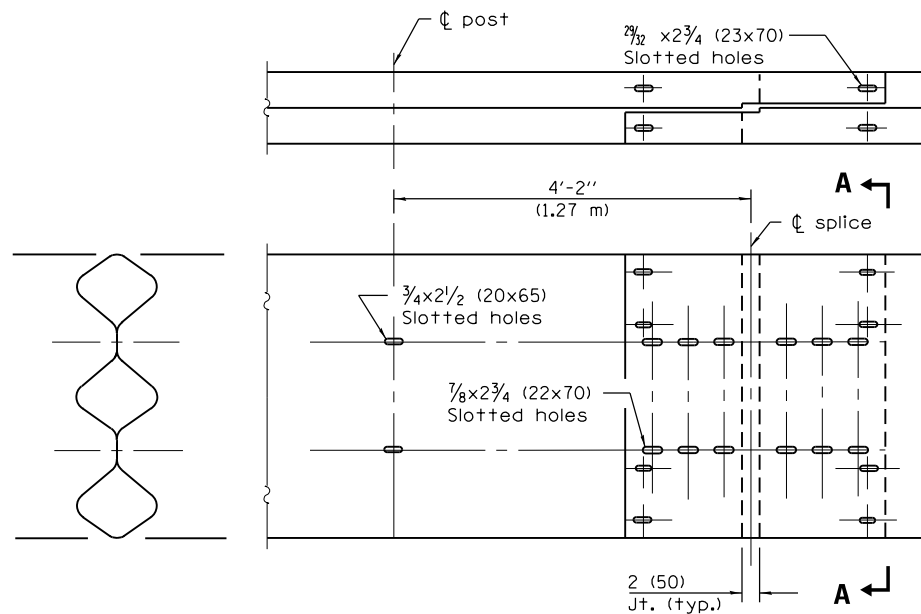
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 100.000 / in.	DRAWN -	REVISED -			80	(37-2,3) RS-3	HENRY	50	36	
	PLOT DATE = Tue Aug 19 14:48:35 2014	CHECKED -	REVISED -			CONTRACT NO. 64G63					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO



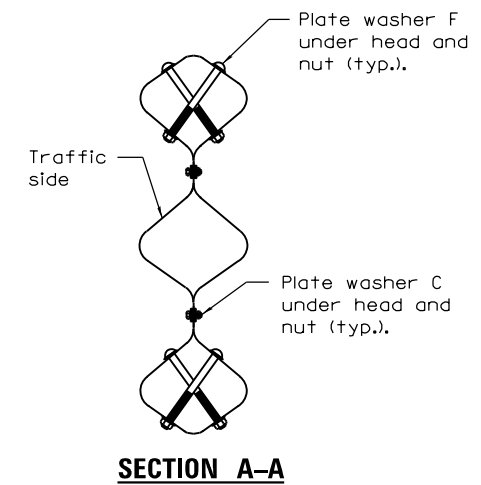
TUBULAR THRIE BEAM FOR LAP SPLICE JOINT



LAP EXPANSION SPLICE JOINT



LAP SPLICE JOINT

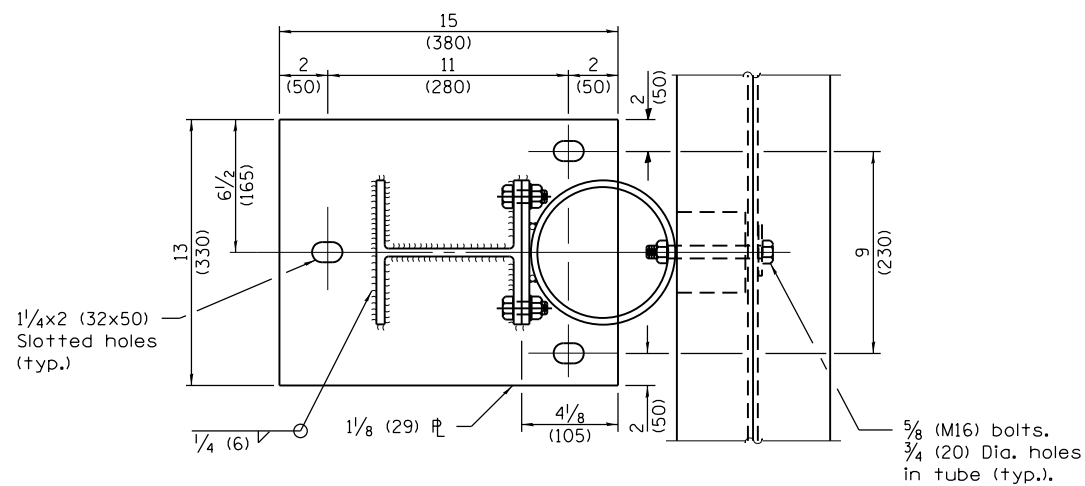


SECTION A-A

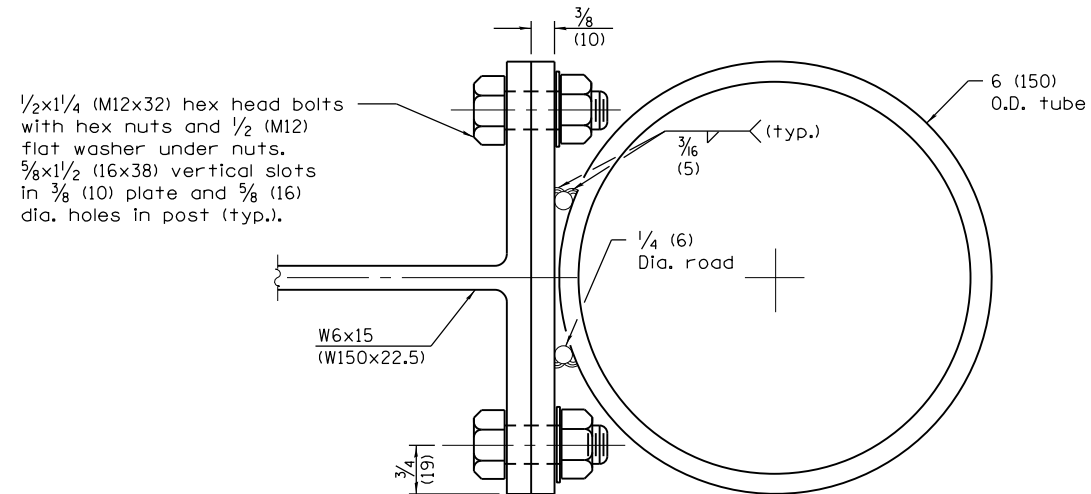
(Sheet 2 of 3)

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 100.000 / in.	CHECKED -	REVISED -			CONTRACT NO. 64663					
	PLOT DATE = Tue Aug 19 14:58:15 2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

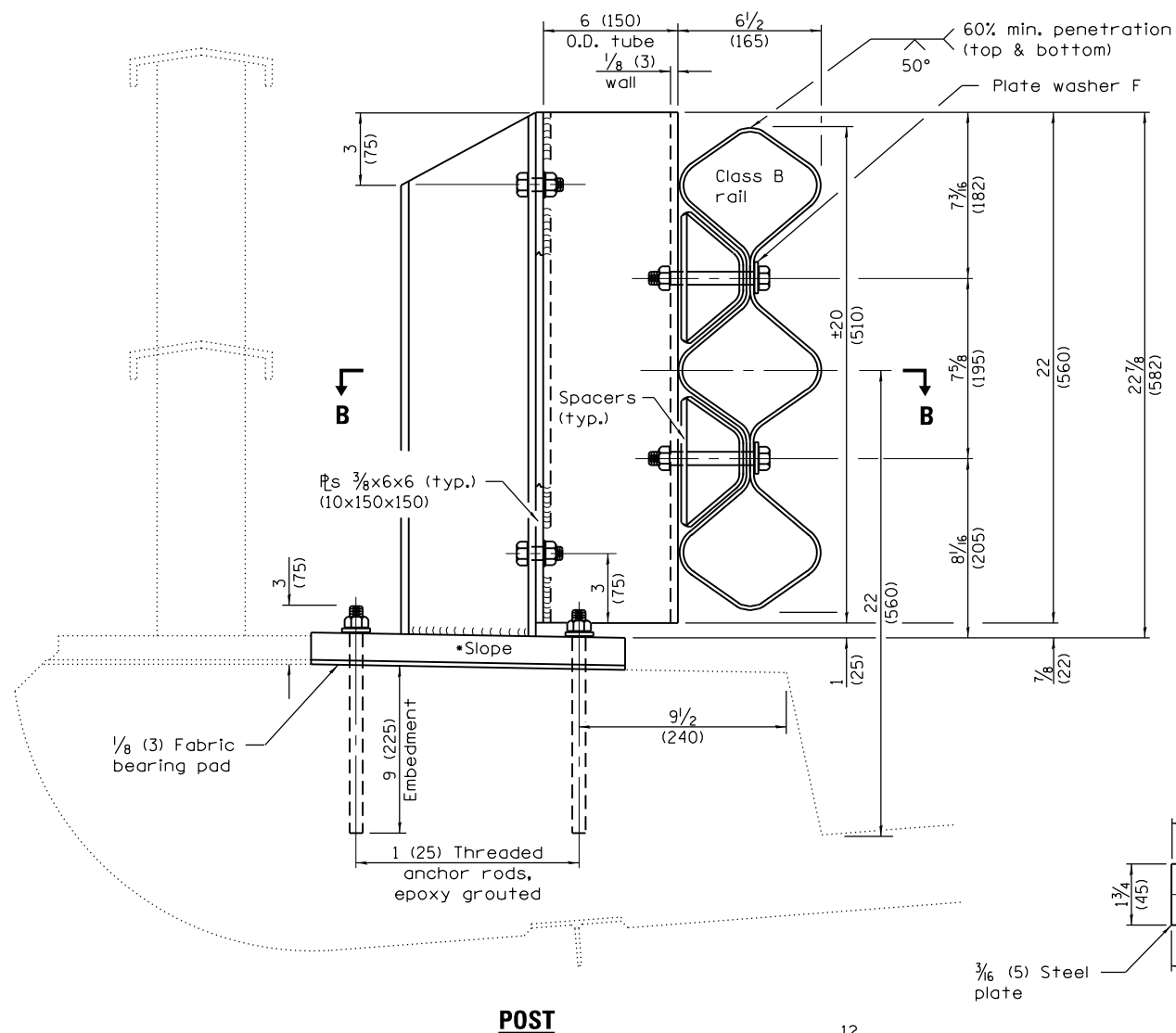
ILLINOIS FED. AID PROJECT



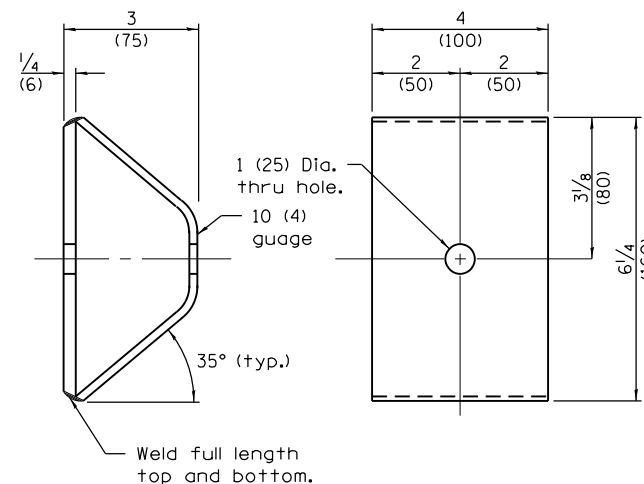
SECTION B-B



TUBE TO POST ATTACHMENT



POST



SPACER

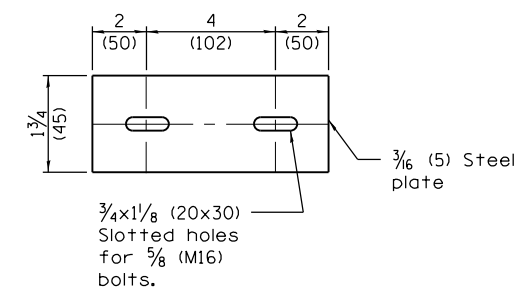


PLATE WASHER B

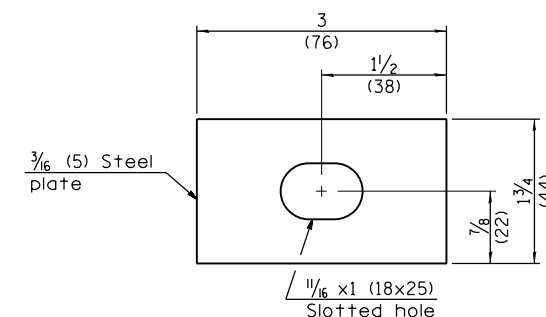


PLATE WASHER F

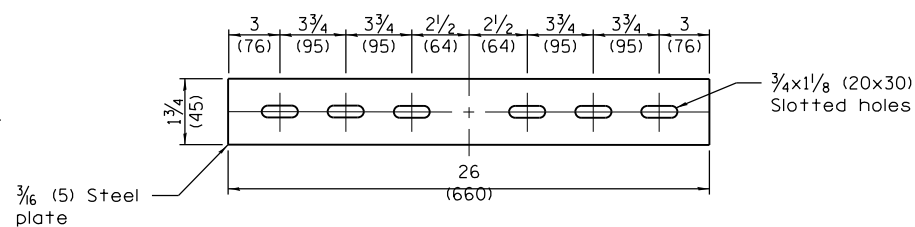
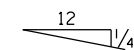


PLATE WASHER C

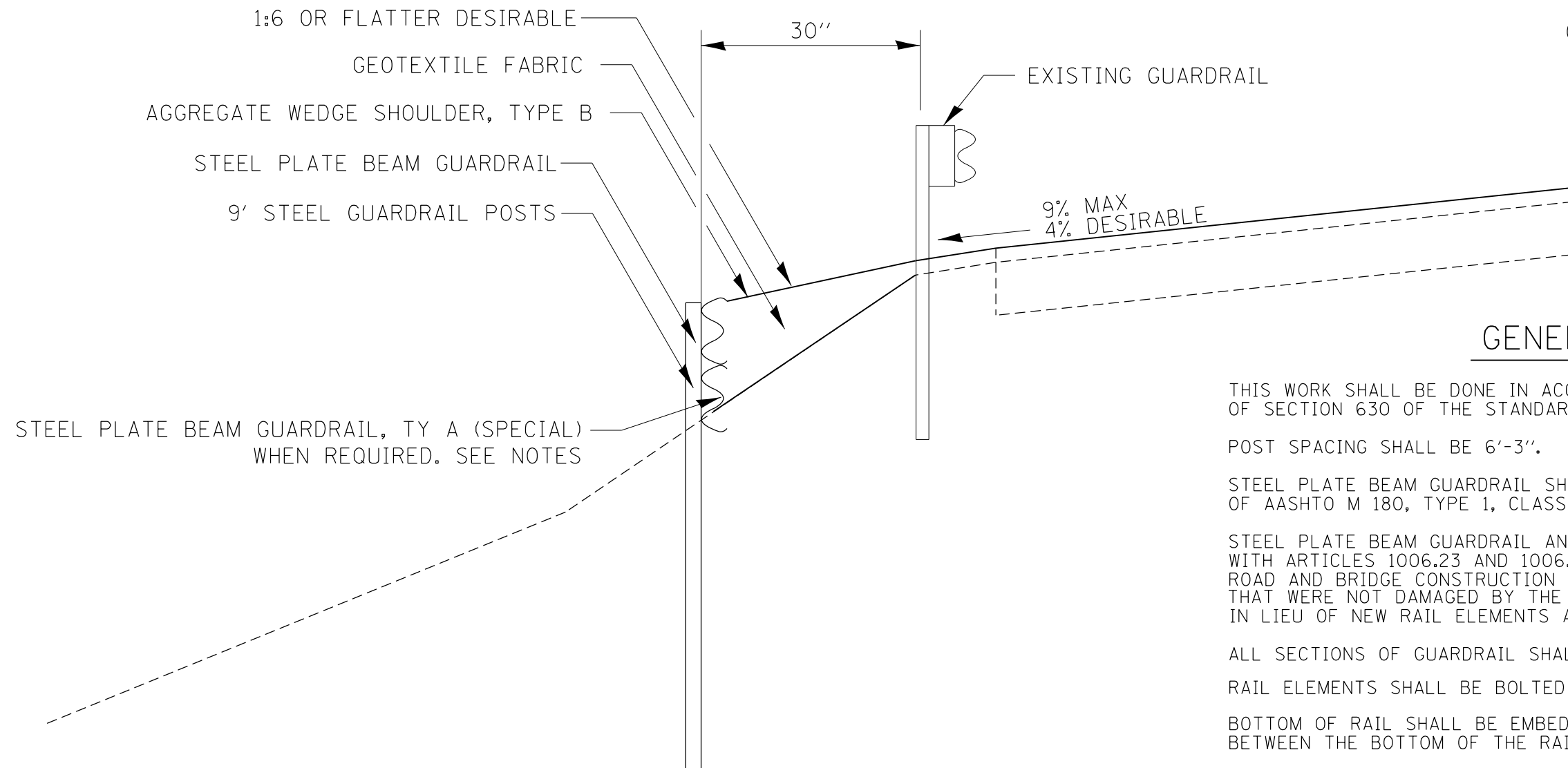


• Cut bottom of post to slope

(Sheet 3 of 3)

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES DETAIL			F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Plot Scale = 100.000 / in.	DRAWN -	REVISED -		80	(37-2,3) RS-3	HENRY	50	38			
	PLOT DATE = Tue Aug 19 14:58:31 2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64G63				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PERIMETER EROSION BARRIER, SPECIAL DETAIL



GENERAL NOTES

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 630 OF THE STANDARD SPECIFICATIONS.

POST SPACING SHALL BE 6'-3".

STEEL PLATE BEAM GUARDRAIL SHALL BE ACCORDING TO THE REQUIREMENTS OF AASHTO M 180, TYPE 1, CLASS A.

STEEL PLATE BEAM GUARDRAIL AND STEEL POSTS SHALL BE IN ACCORDANCE WITH ARTICLES 1006.23 AND 1006.25 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL. ANY SALVAGE RAIL ELEMENTS AND POSTS THAT WERE NOT DAMAGED BY THE CONTRACTOR DURING THE REMOVAL MAY BE USED IN LIEU OF NEW RAIL ELEMENTS AND POSTS.

ALL SECTIONS OF GUARDRAIL SHALL BE BOLTED TOGETHER.

RAIL ELEMENTS SHALL BE BOLTED TO POST.

BOTTOM OF RAIL SHALL BE EMBEDDED INTO THE FORESLOPE UNTIL NO GAP EXISTS BETWEEN THE BOTTOM OF THE RAIL AND THE EXISTING GROUND.

GEOTEXTILE FABRIC SHALL BE PLACED BEHIND THE RAIL ELEMENT AND ON THE GROUND BEHIND THE EXISTING GUARDRAIL BEFORE PLACING THE AGGREGATE WEDGE SHOULDERS. THE INSTALLATION AND MATERIAL FOR GEOTEXTILE FABRIC SHALL BE ACCORDING TO SECTION 210 OF THE STANDARD SPECIFICATIONS.

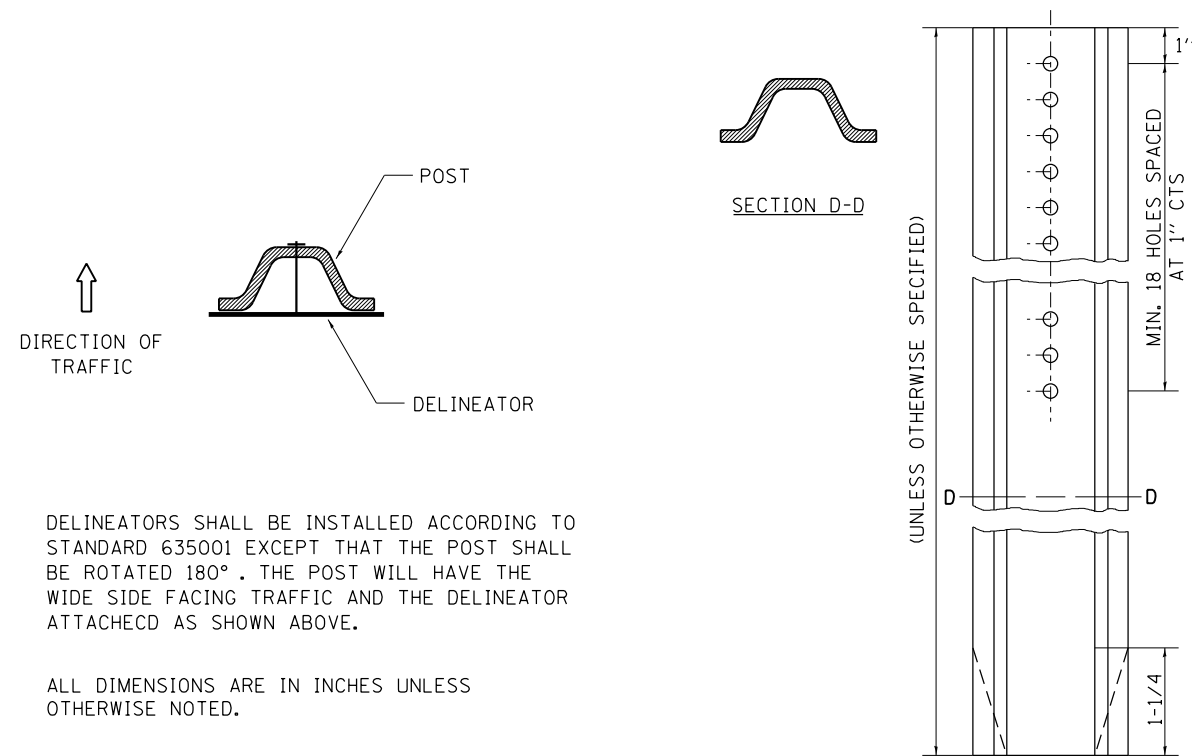
AT LOCATIONS WHERE THERE ARE GAPS UNDER THE RAIL ANOTHER RAIL ELEMENT SHALL BE PLACED BELOW THE FIRST RAIL AND BOLTED TO IT. THE ADDITIONAL RAIL ELEMENTS WILL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT FOR STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL).

STEEL PLATE BEAM GUARDRAIL, 9' STEEL GUARDRAIL POSTS, AND GEOTEXTILE FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PERIMETER EROSION BARRIER, SPECIAL.

AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE WEDGE SHOULDER, TYPE B.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PERIMETER EROSION BARRIER, SPECIAL DETAIL	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\grantpm\d0340191\200911-shd-detail.dgn	DRAWN -	REVISED -	80			(37-2,3) RS-3	HENRY	50	39	
Default	PLOT SCALE = 100.000 / in.	CHECKED -	REVISED -			CONTRACT NO. 64063				
	PLOT DATE = Tue Aug 19 14:50:45 2014	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

DELINEATOR AND POST ORIENTATION



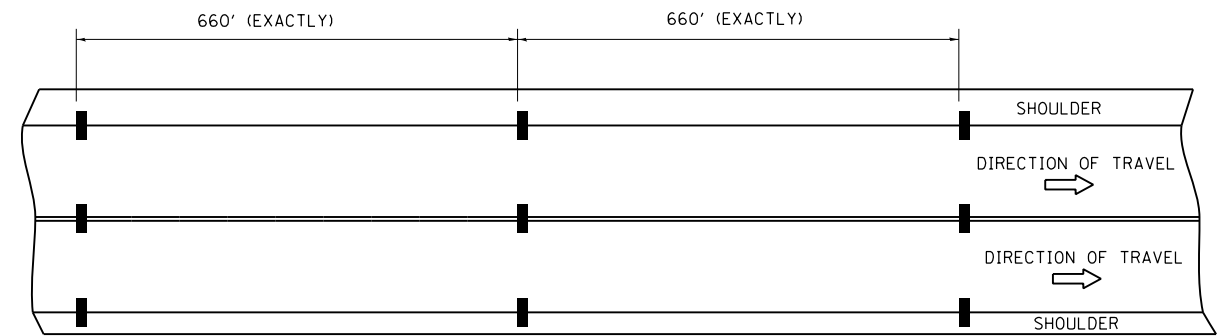
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

AERIAL SPEED CHECK ZONES



USE THERMOPLASTIC PAVEMENT MARKINGS

POLICE AERIAL SPEED CHECK ZONES

ESTABLISHED ZONES AND NEW ZONES REQUESTED BY THE ILLINOIS STATE POLICE SHALL BE MARKED CONSISTENT WITH THE REQUIREMENTS OF SECTION 3B.21 OF THE MUTCD. WHEN NEW ZONES ARE PLACED IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF THE MEASUREMENT CAN BE ATTESTED TO IN COURT.

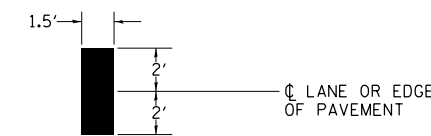
ILLINOIS STATE POLICE

DISTRICT 1 STERLING 815/632-4010 CARROLL, LEE, OGLE, WHITESIDE
 DISTRICT 7 EAST MOLINE 309/752-4915 HENRY, ROCK ISLAND
 DISTRICT 16 PECAONICA 815/239-1152 BOONE, JO DAVIESS, STEPHENSON, WINNEBAGO

BASIS OF PAYMENT:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR AERIAL SPEED CHECK MARKING.

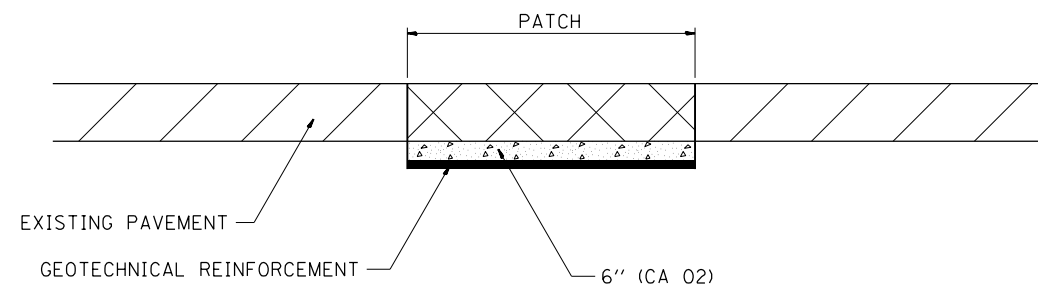
PAVEMENT MARKING DETAIL



REVISED - 6-27-14
 REVISED - 8-27-13
 10-03-11

AERIAL SPEED CHECK ZONES 46.4

SUBGRADE REPLACEMENT



NOTES:

THE CA 02 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 02 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT WHICH SHALL ALSO INCLUDE ALL EARTH EXCAVATION.

THE GEO TECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEO TECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-13-13

SUBGRADE REPLACEMENT 97.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		80	(37-2,3) RS-3	HENRY	50	40
REVISED -		CONTRACT NO. 64063				
REVISED -		SCALE: 100,000' / 1" SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES			MARGIN	BORDER	BLANK STD.
	LINES					
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS
METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

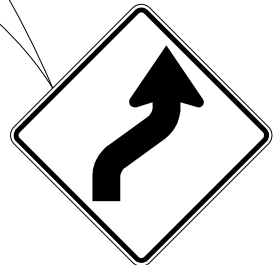
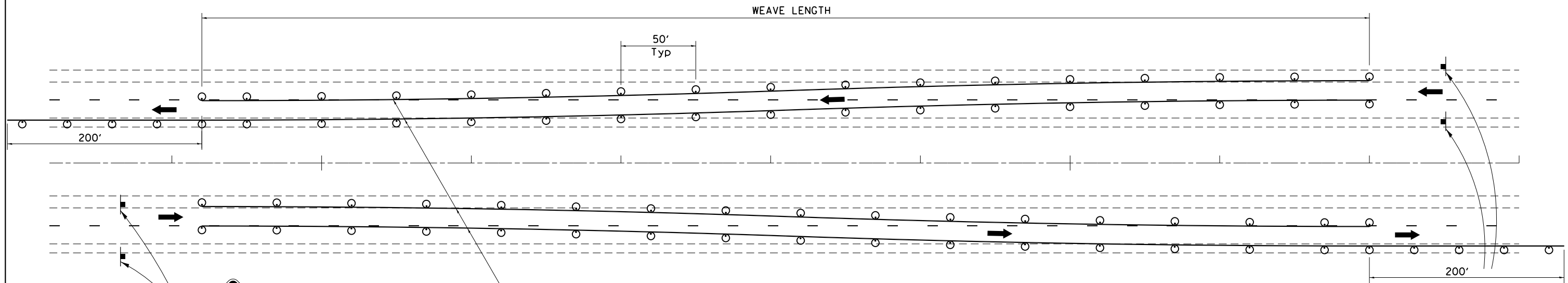
ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		80	(37-2,3) RS-3	HENRY	50	41
REVISED -		CONTRACT NO. 64G63				
REVISED -		SCALE: 100,000' / 1" SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

TRAFFIC CONTROL TYPICAL WEAVE



W1-4R(O)-48



W13-1(O)-2424

DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

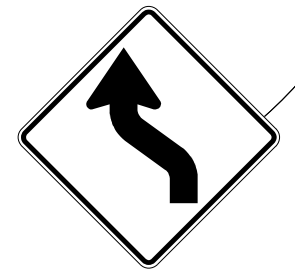
Temporary Pavement Marking required if Typical Weave is used for 14 days or more.

SYMBOLS

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- SIGN ON PERMANENT MOUNT

STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
65 MPH OR GREATER	45 MPH	780 FT.
55 MPH	35 MPH	660 FT.
45 MPH	25 MPH	540 FT.



W1-4L(O)-48



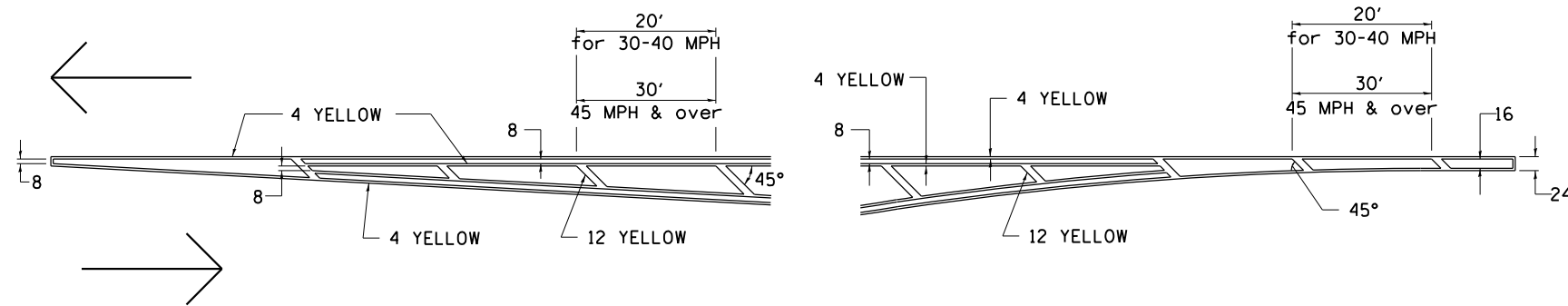
W13-1(O)-2424

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

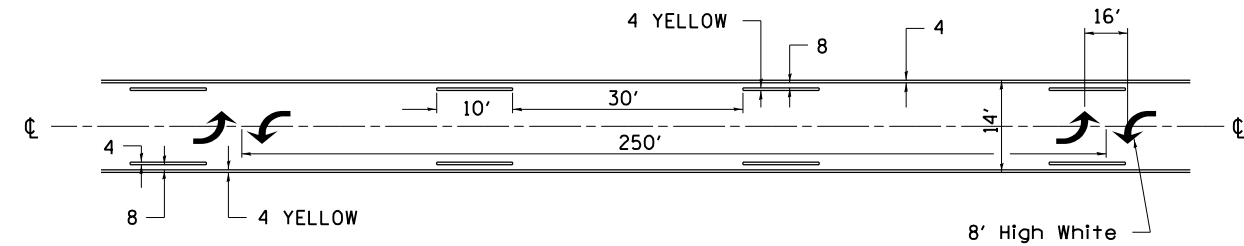
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es:\pwork\pwork\grantpm\d0340191\200911-shd-details.dgn	DRAWN -	REVISED - 8-27-13	80					(37-2,3) RS-3	HENRY	50	42	
PLOT SCALE = 100.000' / in.	CHECKED -	REVISED - 10-17-11	CONTRACT NO. 64063									
PLOT DATE = Tue Aug 19 14:51:27 2014	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

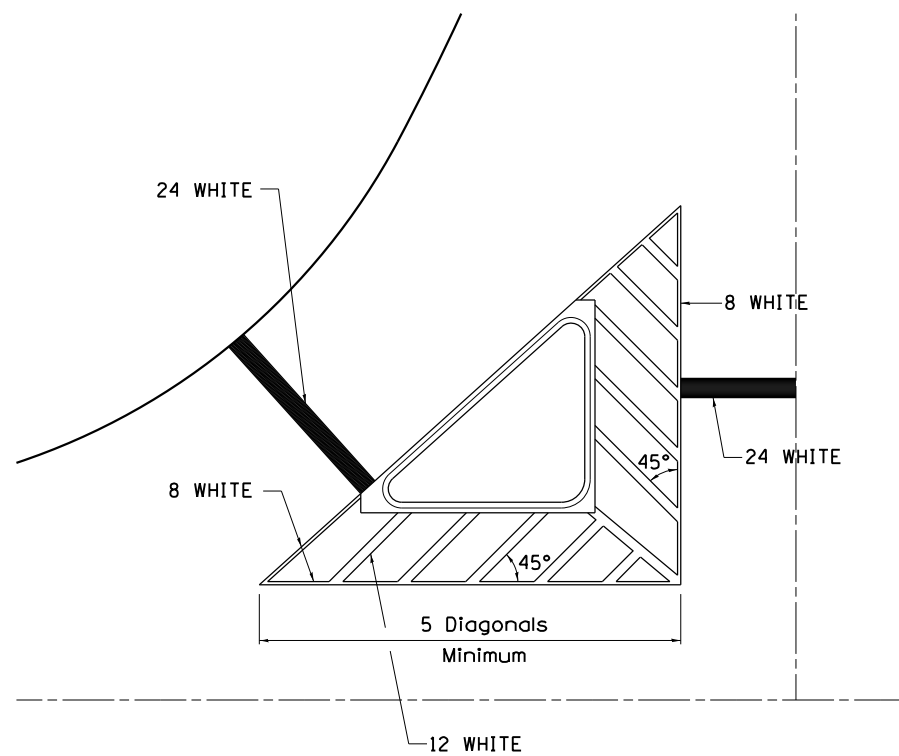


MEDIAN PAVEMENT MARKING



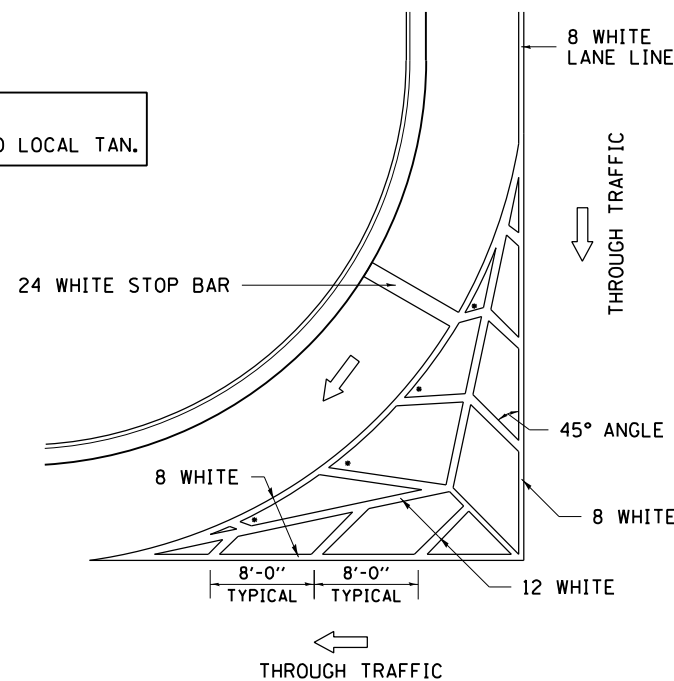
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



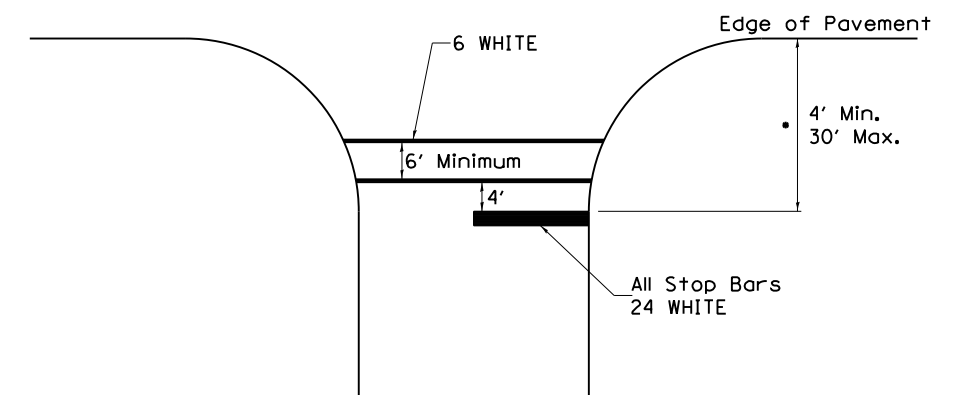
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

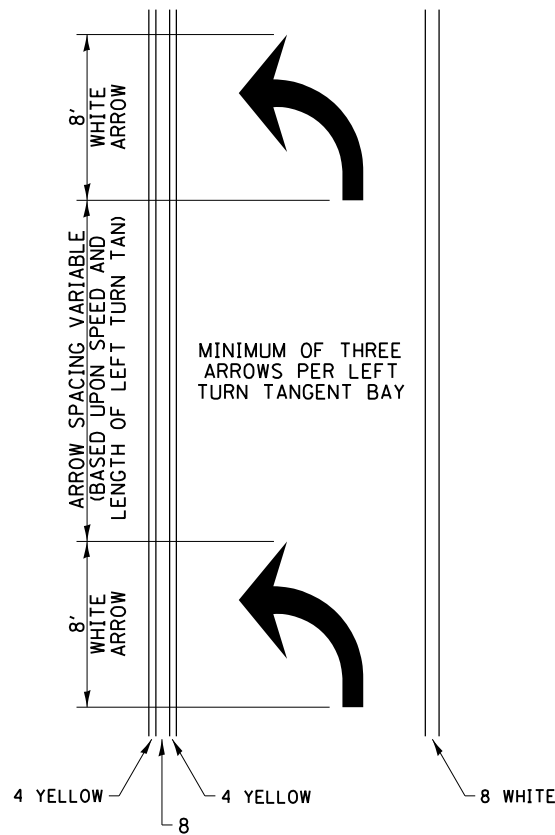


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\grantpm\d0340191\200911-shd-details.dgn		DRAWN -	REVISED - 3-05-12					80	(37-2,3) RS-3	HENRY	50	43
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64063				
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

TYPICAL PAVEMENT MARKINGS

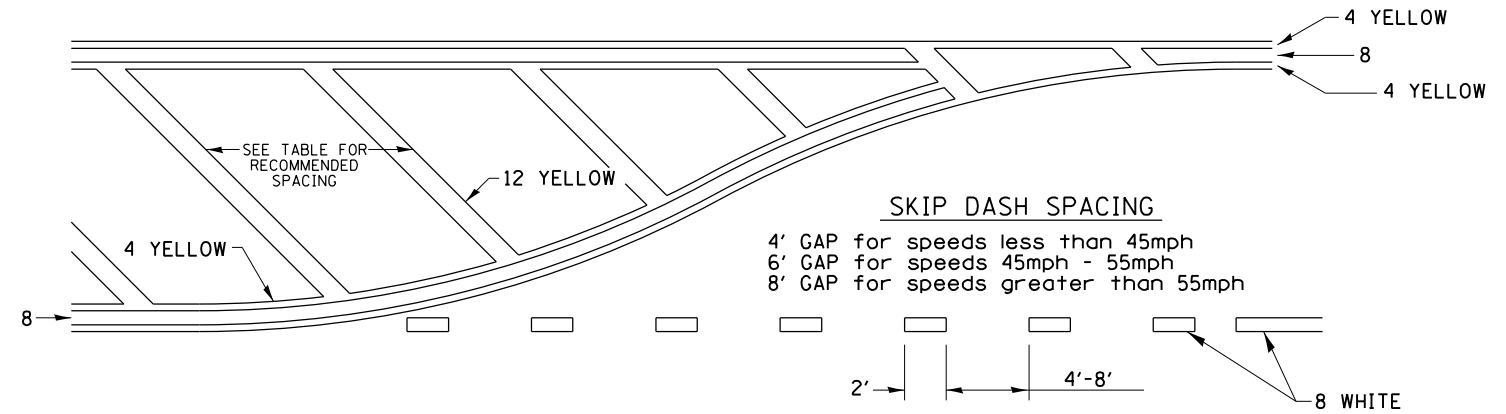
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

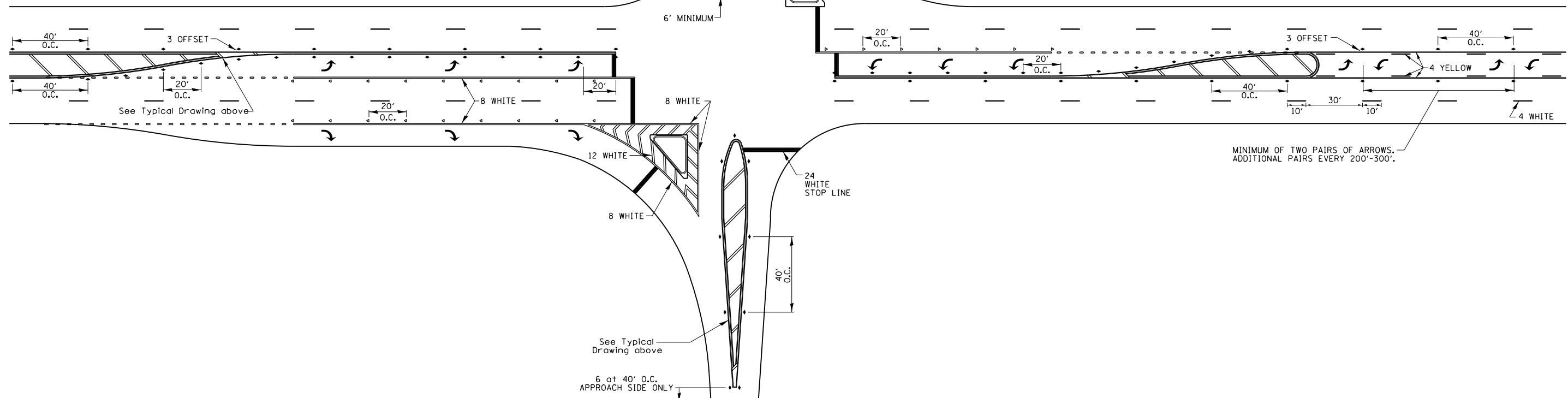
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 6-27-14
es:\pwork\pwork\grantpm\d0340191\200911-shd-details.dgn		DRAWN -	REVISED - 3-05-12
	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = Tue Aug 19 14:52:16 2014	DATE -	REVISED -

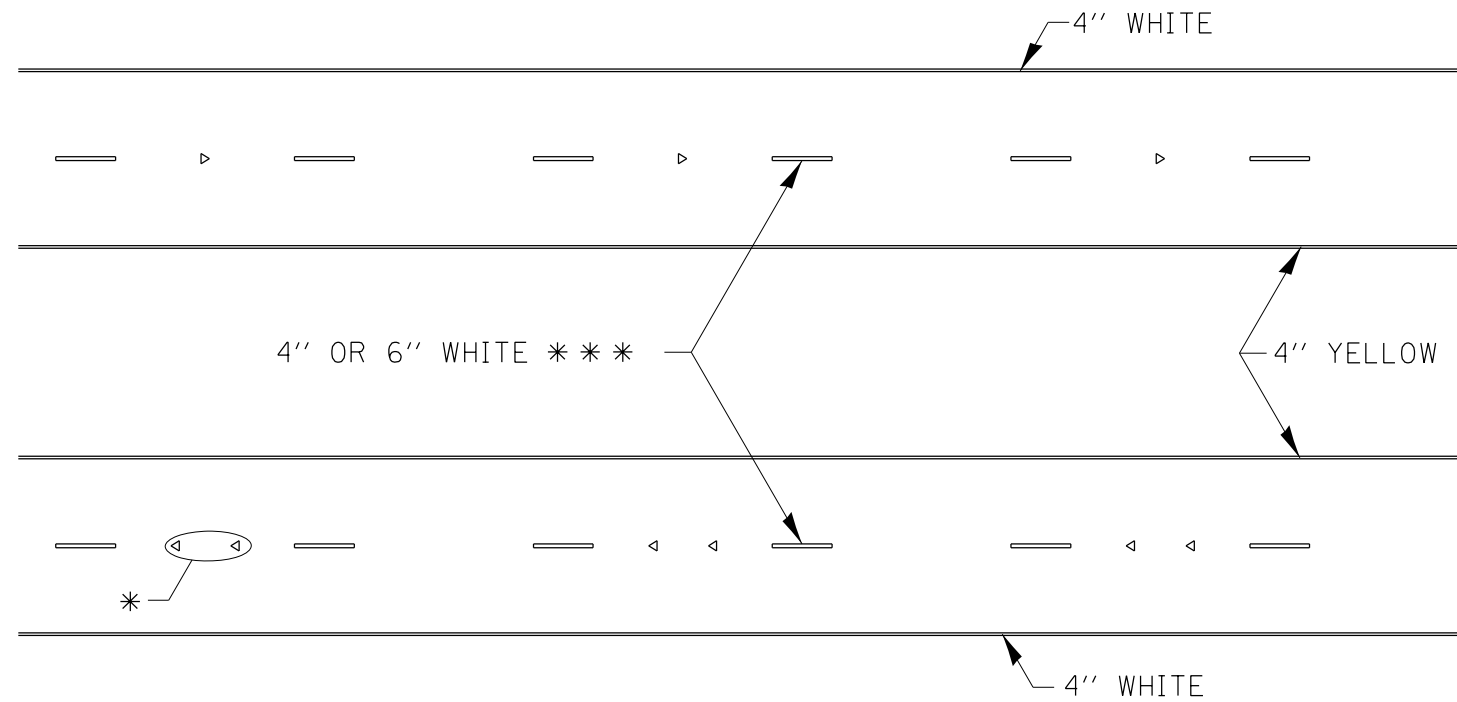
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

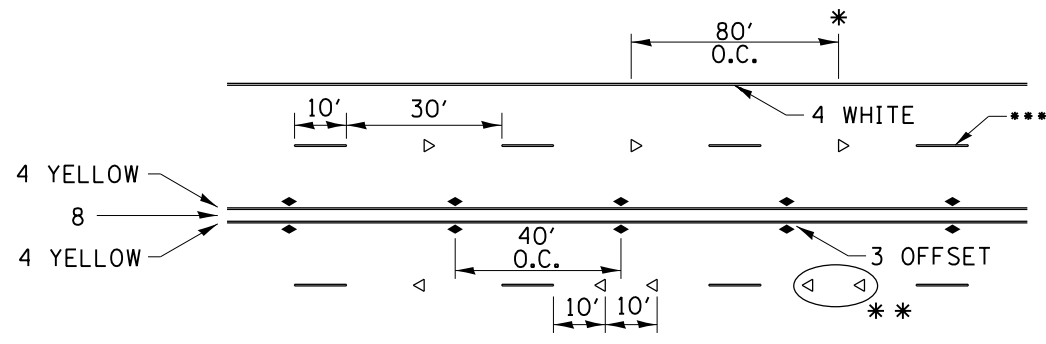
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64G63	

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

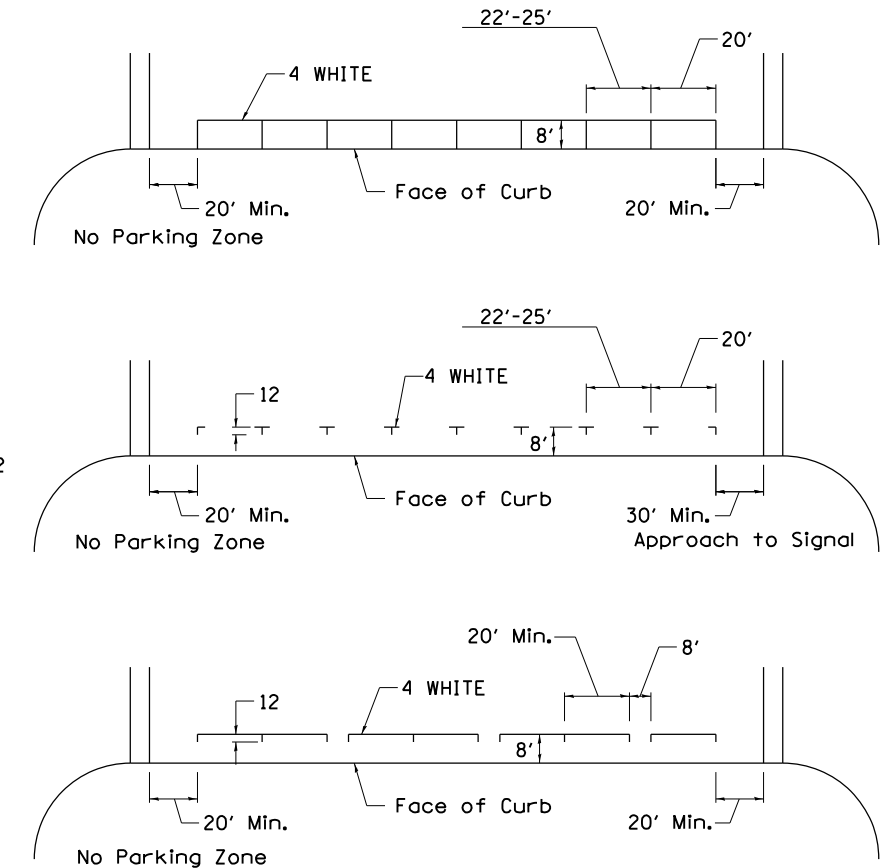
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

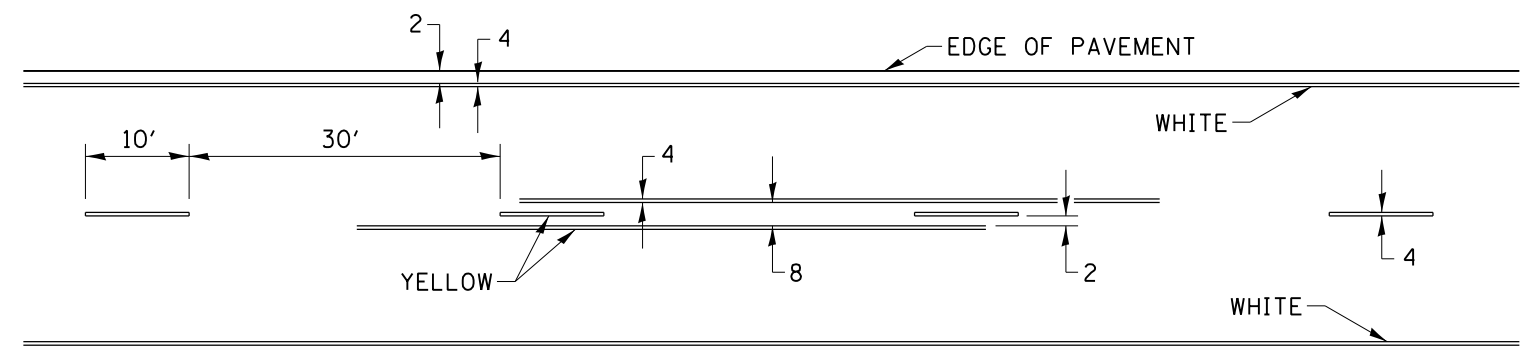
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



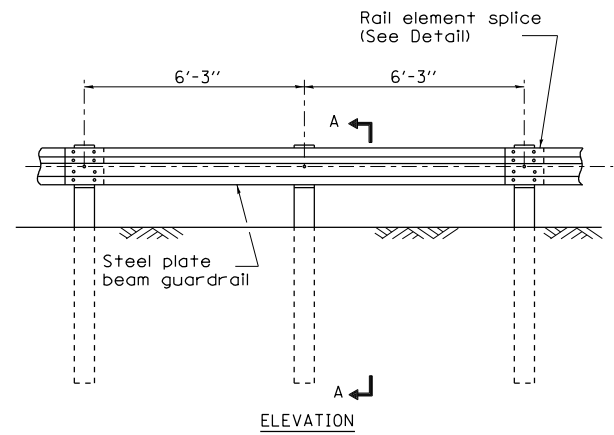
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



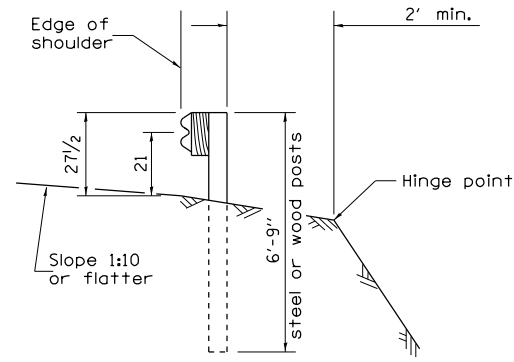
SYMBOLS

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pwork\grantpm\d0340191\ND2000111-shd-details.dgn	DRAWN -	REVISED - 8-27-13	80					(37-2,3) RS-3	HENRY	50	45	
PLOT SCALE = 100.000' / in.	CHECKED -	REVISED - 11-28-12	CONTRACT NO. 64063									
PLOT DATE = Tue Aug 19 14:52:28 2014	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

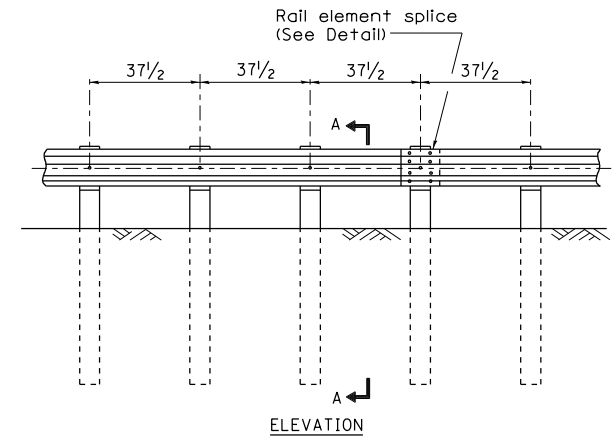
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



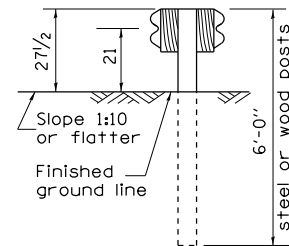
TYPE A
6'-3" Typical post spacing



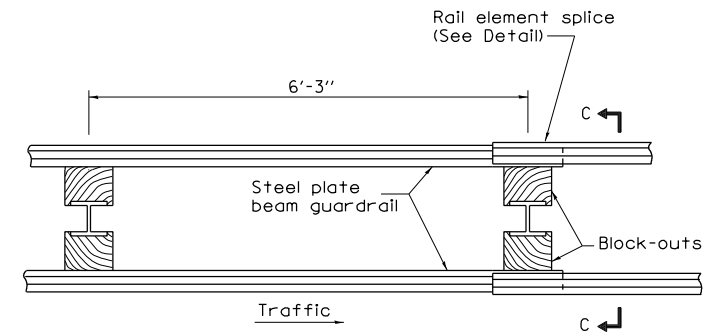
SECTION A-A



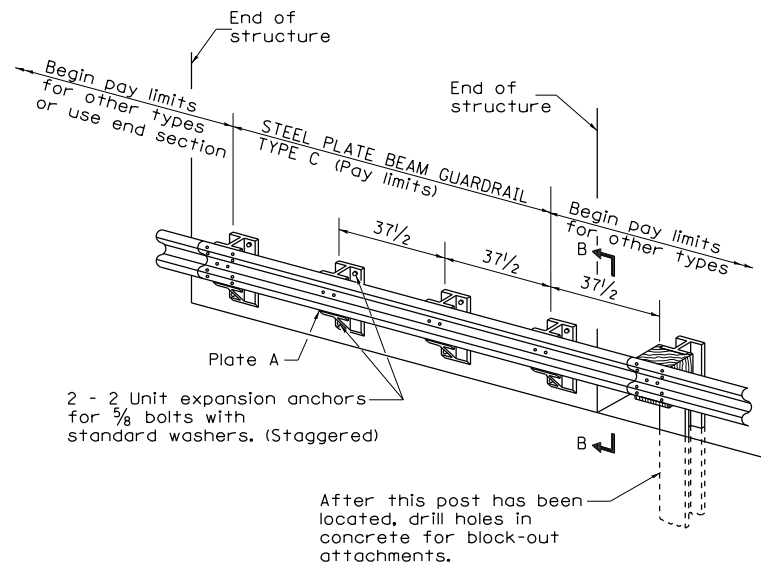
TYPE B
37 1/2 Closed post spacing



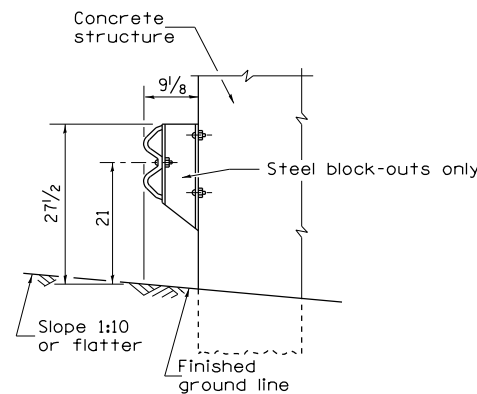
SECTION C-C



TYPE D
Double steel plate beam guardrail
6'-3" typical post spacing



TYPE C
37 1/2 Block-out spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 10-18-11
ca:\pwork\work\pwork\grantpm\d0340191\200811-shd-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
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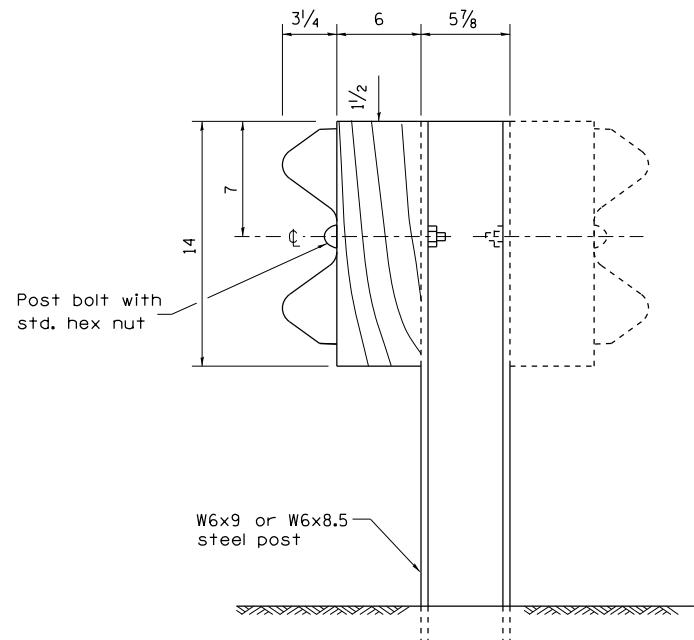
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

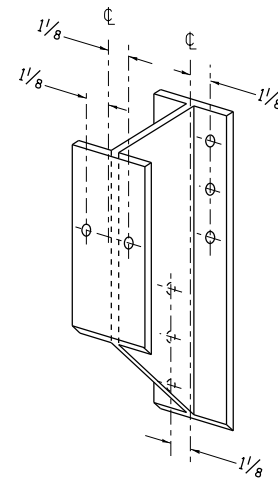
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64063	

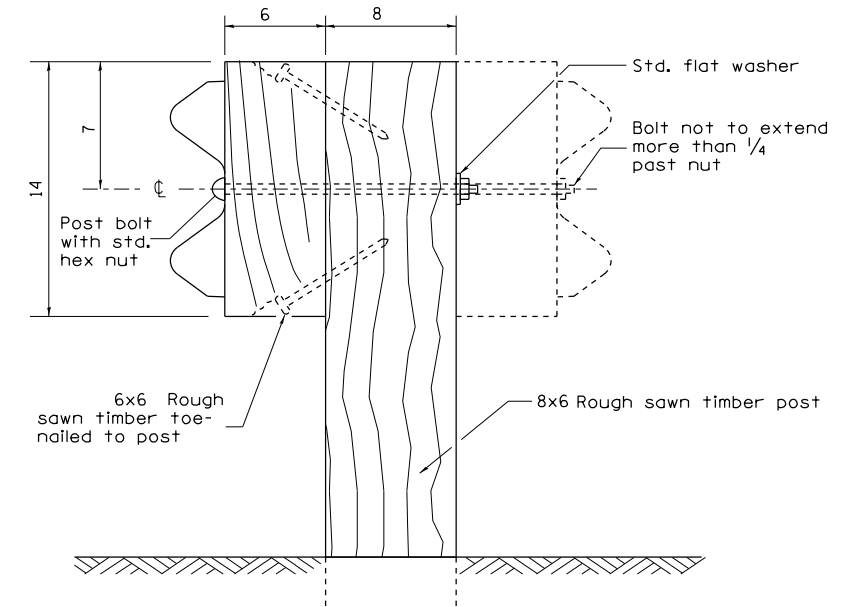
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



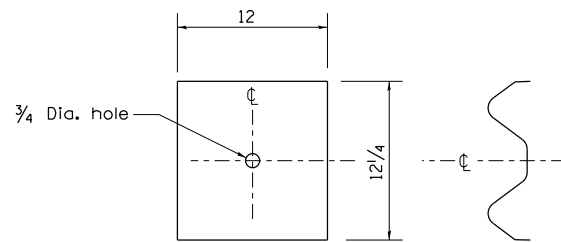
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



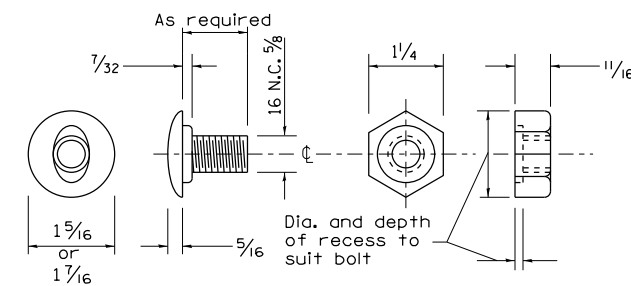
WOOD POST CONSTRUCTION



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 = grantpm	DESIGNED -	REVISED - 10-18-11
c:\pwork\pwork\grantpm\d0340191\200811-shd-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.000 / in.	CHECKED -	REVISED -
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DEPARTMENT OF TRANSPORTATION

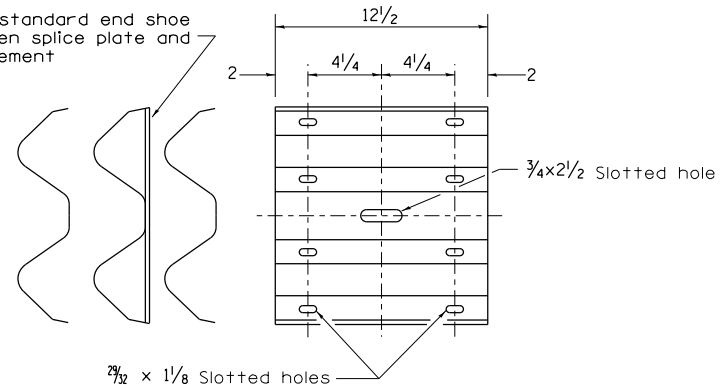
REGION 2 / DISTRICT 2 STANDARD

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

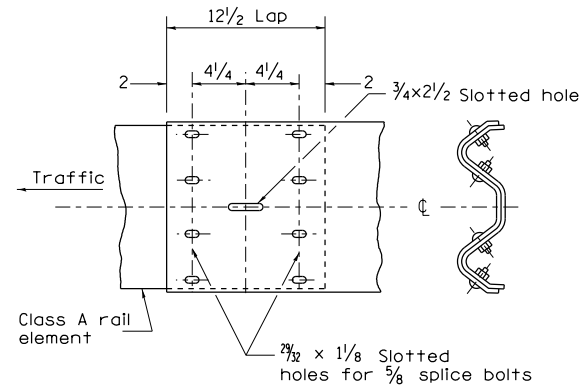
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80	(37-2,3) RS-3	HENRY	50	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64063	

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

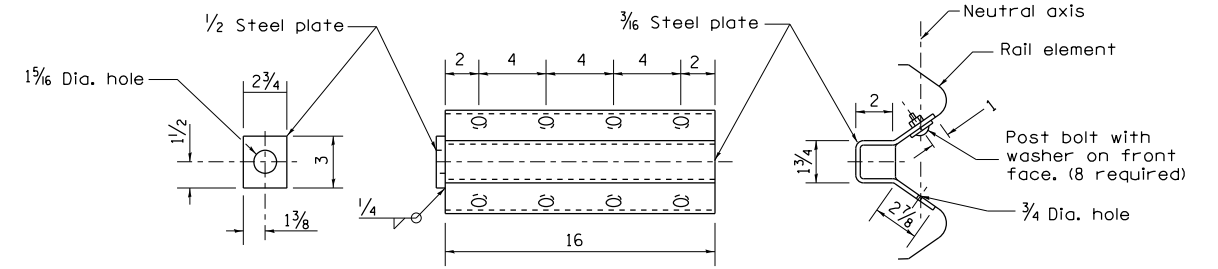
Place standard end shoe between splice plate and rail element



SPLICE PLATE

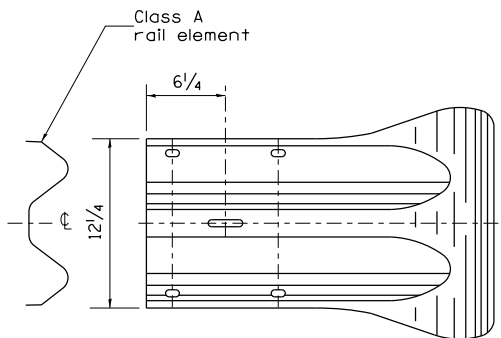
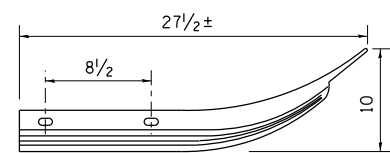


RAIL ELEMENT SPLICE

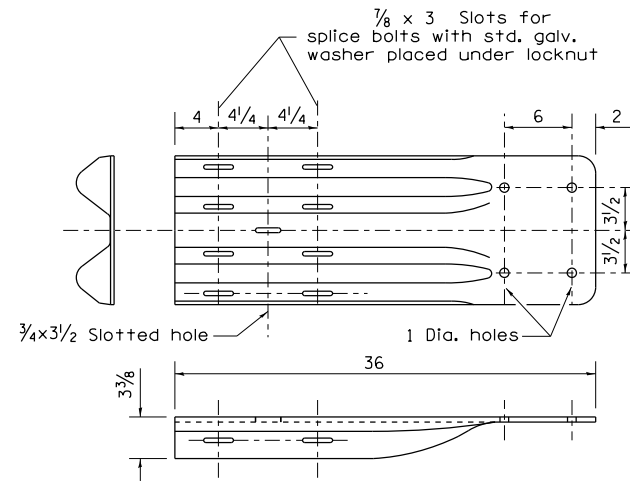


NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS

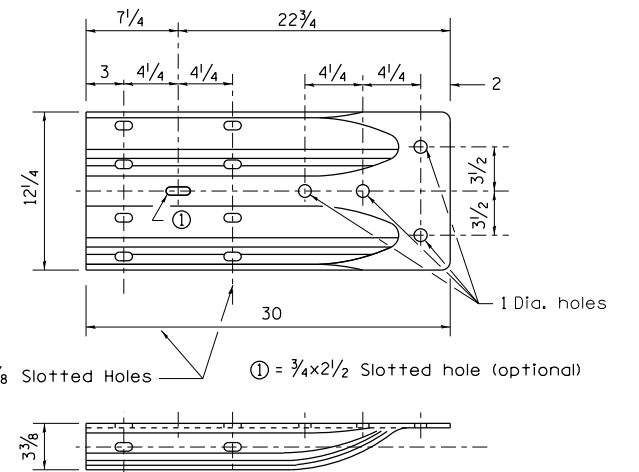


END SECTION



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.

END SHOE



ALTERNATE END SHOE

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 10-18-11
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	PLOT DATE = Tue Aug 19 14:53:12 2014	DATE -	REVISED -

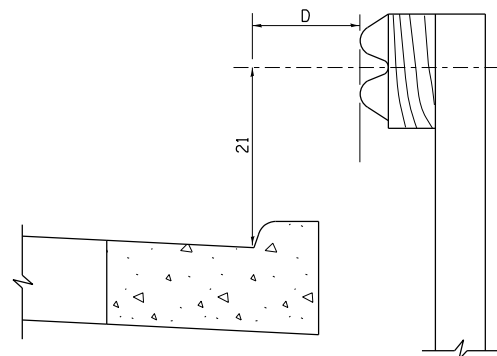
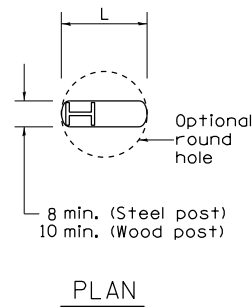
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	48
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64G63	

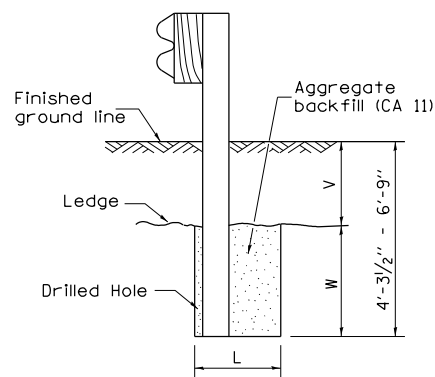
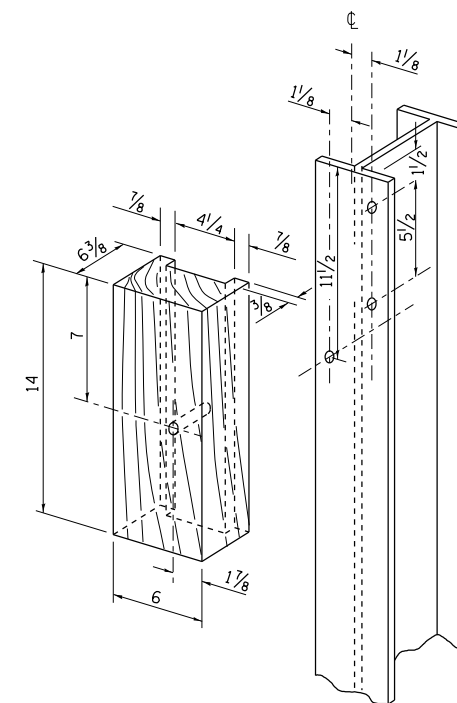
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



Note:
If it is necessary for D to be more than 12 and less than 10'-0" type M-2 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 maximum)

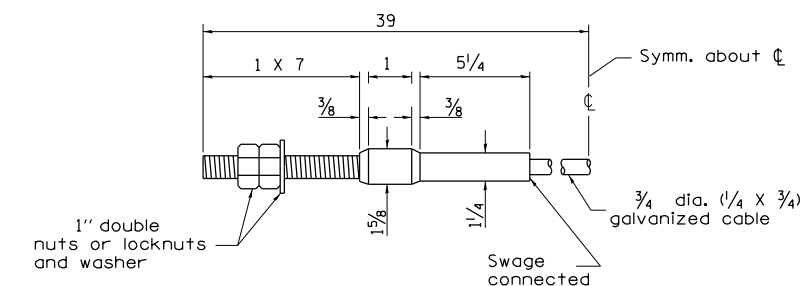


Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 18	24	21	23
>18 - 41.5	12	8	10
>41.5 - 53.5	12 - 0	8	10



CABLE ASSEMBLY
(40,000 lbs. min. breaking strength)
Tighten to taut tension.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 10-18-11
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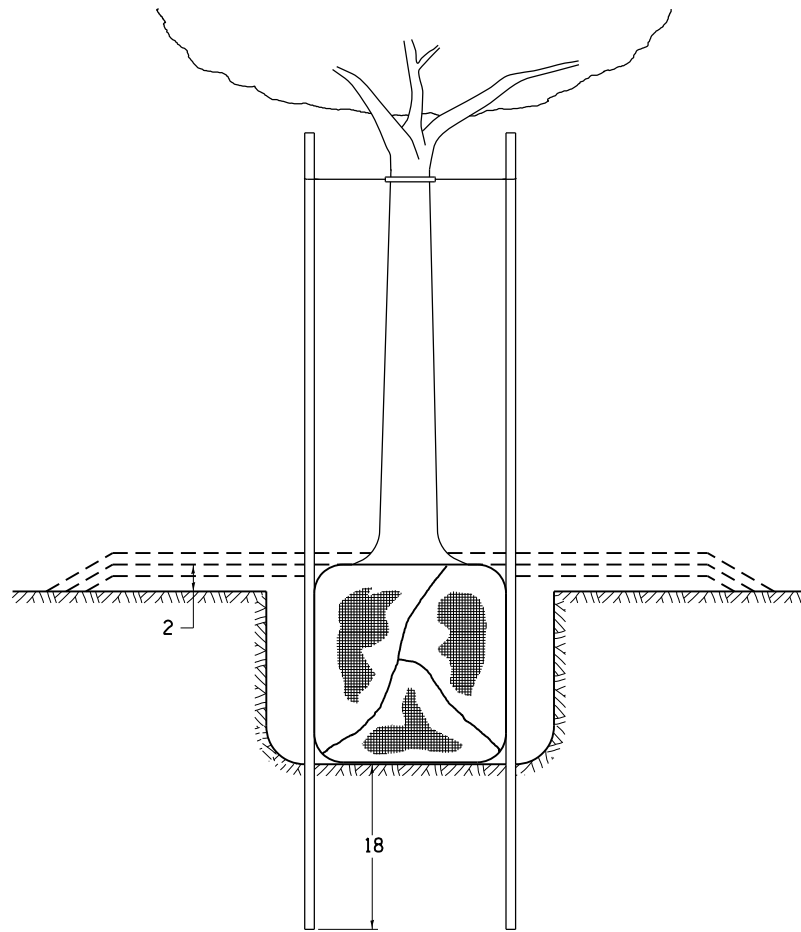
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

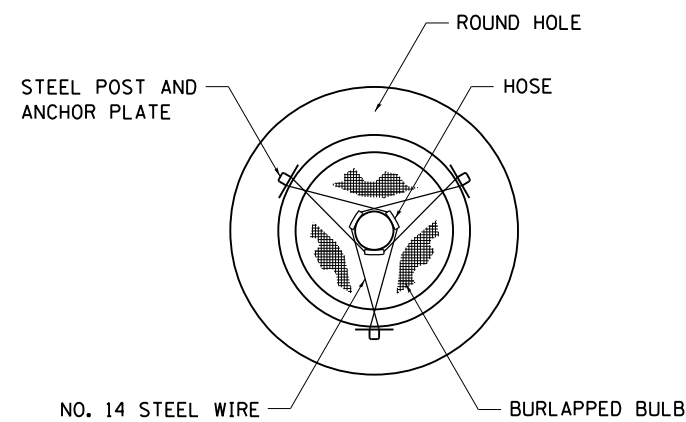
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64063	

DETAILS OF PLANTING AND BRACING TREES

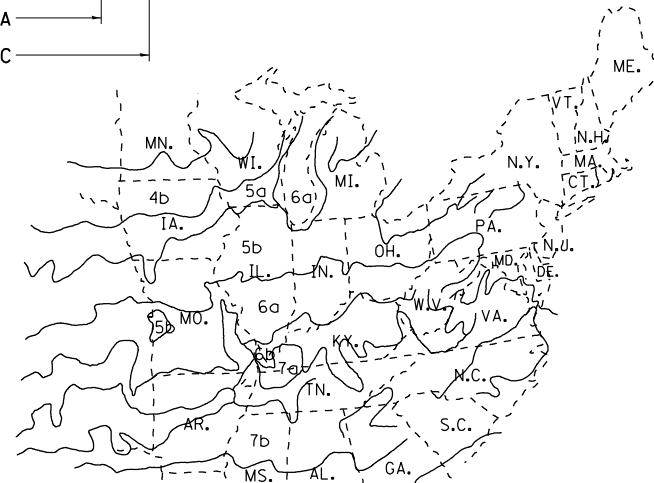
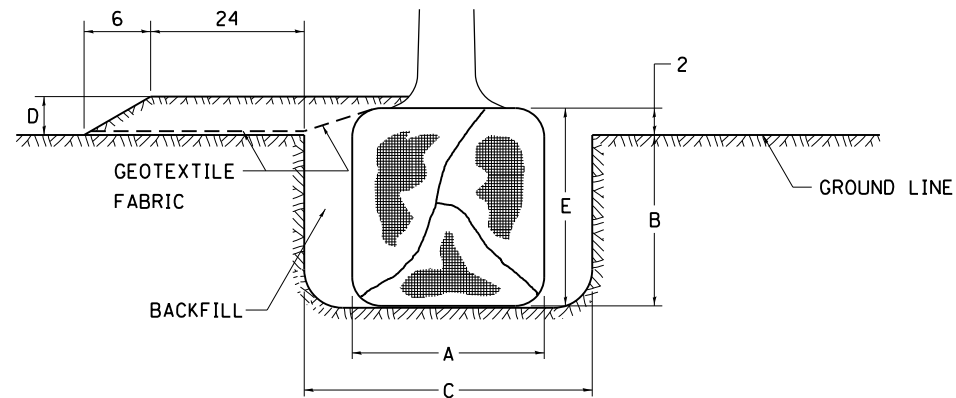


TREES SMALLER THAN 4 1/2 IN DIAMETER



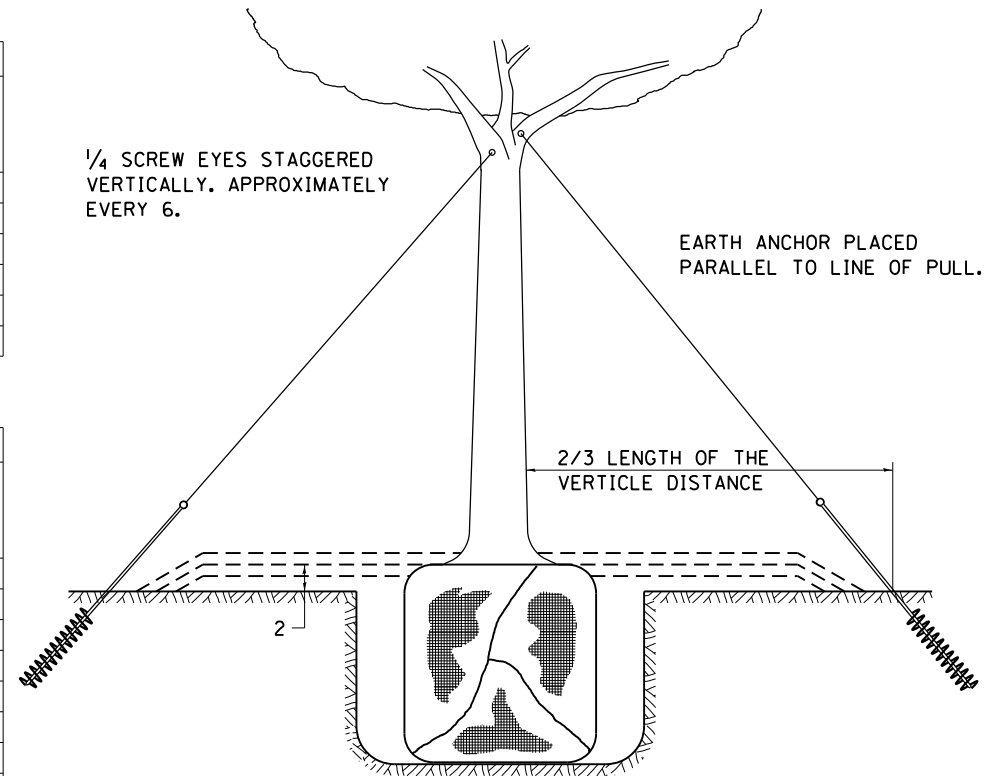
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38

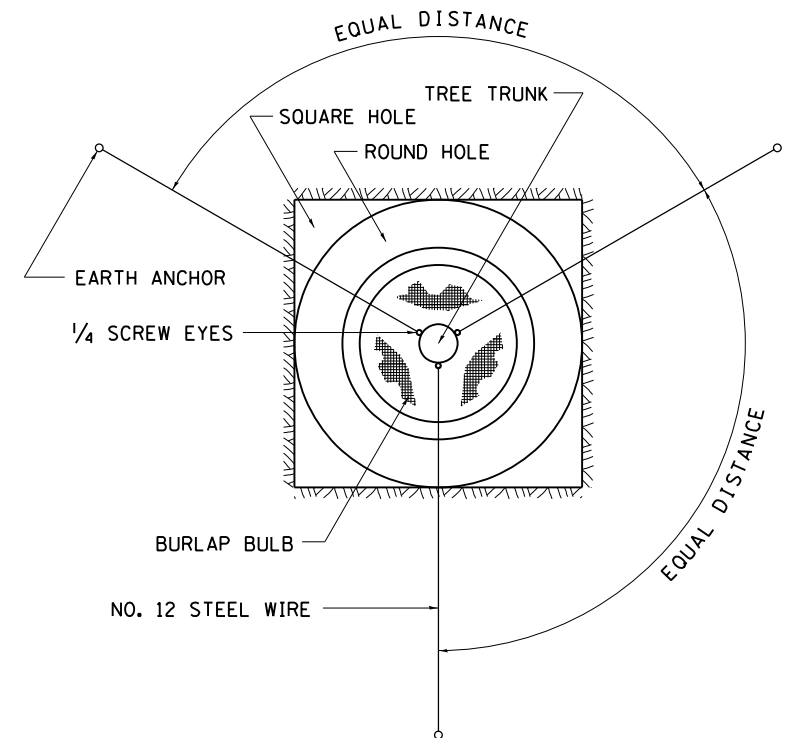


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 4 1/2 IN DIAMETER



ALL DIMENSIONS ARE IN INCHES
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,3) RS-3	HENRY	50	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64063	