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A.S. SECTION COUNTY TOTAL SHEET SHEE

D-94-028-16



THIS PROJECT INCLUDES THE INSTALLATION OF A DROP STRUCTURE AND THE RECONSTRUCTION OF A FORESLOPE.

ADT = 350 (20)

SU = 8.6%

MU = 20

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED

Y/2/ 20 16

REGION THREE ENGINEER

0 20 16

MOUVE MADE TO DESIGN AND ENVIRONMENT

10 20 16

OTHER OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM
All elevations shown on the plans are established from U.S.G.S. mean sea level datum,

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

No commitments have been made on this project.

TREE REMOVAL

The District Four Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications.

These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form * D4 Pl0101

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

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

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

PAVEMENT STATION NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (26 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:
Interval – 200 feet (English stationing) or 100 meters (metric stationing)
Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

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

Position – stations shall be placed so they can be read from the adjacent shoulder Format – English (Metric) pavement stations shall use this format *XXX (XX + X00)*, where X represents the pavement station

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

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	CLASS D PATCHES & SHOULDERS (LOWER LIFTS)	CLASS D PATCHES & SHOULDERS (SURFACE LIFTS)
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N=50	4.0% @ N=50
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGG	N.A.	MIX D
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA

Notes: Individual lift thickness of each mix type will be no less than three (3) times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size.

SAW CUT - 18" (450 mm) SHOULDER REMOVAL - IN-PLACE WHEEL SAW GRINDING PERMITTED

A full depth saw cut shall be required at the joint between the pavement that is to be left in place and the existing shoulder that is to be removed. The Contractor may have the option of using a wheel saw to grind up the existing shoulder and leave the finely ground pieces on site under the new shoulder and on the foreslope, with the approval of the Engineer, Maximum size of places shall be no more than 3" (75 mm). Larger pieces shall be picked up/removed from the jobsite.

No additional compensation will be allowed for variations in assumed thickness. This work shall not be paid for separately, but shall be included in the cost of the removal items.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

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

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tilles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

PROJECT SPECIFIC NOTES

1. The removal of the existing erosion control curb and all associated hardware will be included in the cost of PAVED SHOULDER REMOVAL

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0L-901-15-sheets.dgn		DRAWN ~	REVISED -
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STATI	: OI	FILLINOIS
DEPARTMENT	OF	TRANSPORTATION

GENERAL NOTES AND	F.A.S RTE.	SECTION	COUNTY	TOTAL	SHEE
PROJECT SPECIFIC NOTES	1412	(106-SLP,T)	HENDERSON	25	2
SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. A	CONTRACT	NO.	6801

				ROADWAY
CODE NO.	ITEM	UNIT	TOTAL OUANTITY	0044
20200100	EARTH EXCAVATION	CU YD	186	186
20400800	FURNISHED EXCAVATION	CU YD	1509	1509
21101615	TOPSOIL FURNISH & PLACE. 4"	SO YO	1034	1034
25000210	SEEDING, CLASS 2A	ACRE	0.21	0, 21
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	19	19
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	19	19
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	19	19
25100115	MULCH, METHOD 2	ACRE	0.05	0, 05
25100630	EROSION CONTROL BLANKET	SQ YD	771	771
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	38	38
28000305	TEMPORARY DITCH CHECKS	FOOT	8	8
28000400	PERIMETER EROSION BARRIER	FOOT	360	360
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100225	STONE RIPRAP. CLASS B3	TON	411	411

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SUMMARY	OF	QUANTITIES	

CONST. CODE

F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
1412	(106-SPL,T)	HENDERSON	25	3
	***************************************	CONTRAC	T NO. 6	91082
	ILLINOIS FED.	AID PROJECT		

			`	no.10
CODE NO.	ITEM	UNIT	TOTAL OUANTITY	ROADWAY
24004250	PAVED SHOULDER REMOVAL	SO YD	89	89
	TAVED SHOULDER REMOVAL	טו אס	03	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	124	124
48203029	HOT - MIX ASPHALT SHOULDERS. 8"	SO YD	89	89
50102400	CONCRETE REMOVAL	CU YD	0.3	0.3
50800105	REINFORCEMENT BARS	POUND	.29	29
50901760	PIPE HANDRAIL	FOOT	64	64
54002020	EXPANSION BOLTS 3/4 INCH	EACH	7	7
54248510	CONCRETE COLLAR	CU YD	1	1
542A1915	PIPE CULVERTS, CLASS A, TYPE 3 30"	FOOT	6	6
60222900	MANHOLES. TYPE A. 5'-DIAMETER	EACH	1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	0.8	0.8
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A. 6 FOOT POSTS	F00T	188	188
63100041	TRAFFIC BARRIER TERMINAL. TYPE 1B	EACH	The state of the s	Į

file name =

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CONST. CODE

F.A.S. RTE. 1412 SECTION (106-SPL,T)

ROADWAY TOTAL CODE ITEM UNIT QUANTITY NO. 63200310 GUARDRAIL REMOVAL FOOT 264 264 67100100 MOBILIZATION L SUM 70100450 TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 L.SUM 70100500 TRAFFIC CONTROL AND PROTECTION. STANDARD 701326 L SUM 1 70103815 TRAFFIC CONTROL SURVEILLANCE CAL DA 2 FOOT 402 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 402 EACH 78200005 CUARDRAIL REFLECTORS. TYPE A 63 TON 63 Z0001002 GUARDRAIL AGGREGATE EROSION CONTROL Z0013798 CONSTRUCTION LAYOUT L SUM

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* SPECIALTY ITEM

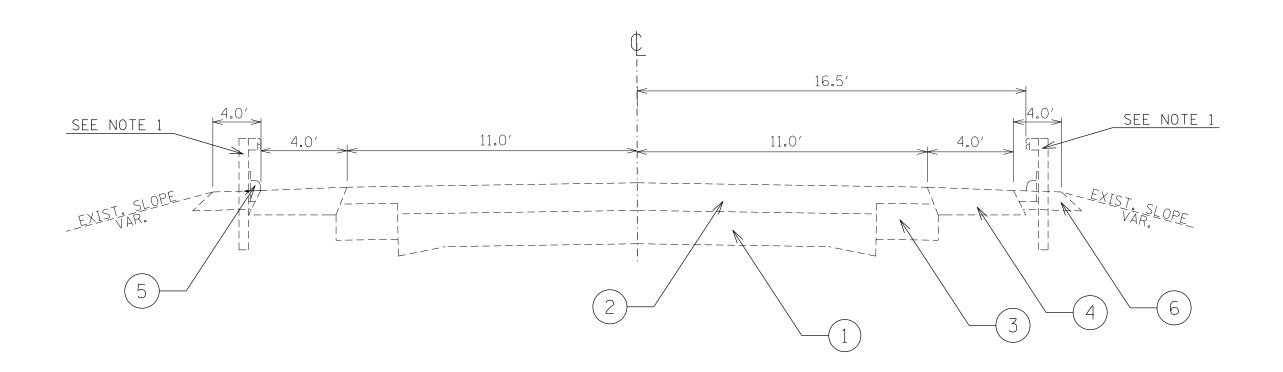
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	PLOT SCALE * 100.0000 ' / in-	CHECKED -	REVISED -
	PLOT DATE : 4/27/2016	DATE -	REVISEO -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CONST. CODE

 F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
1412	(106-SPL,T)	HENDERSON	25	5
	·····	CONTRACT	NO. 6	8019
	ILLINOIS FED.	AID PROJECT		



IL 94 EXISTING

STA 434+30 TO 436+96

LEGEND:

1 EXIST. PCC PAVEMENT -9"-6"-9"

② EXIST. HMA OVERLAY (5 1/2")

(3) EXIST. HMA BASE COURSE WIDENING (9")

4 EXIST. HMA SHOULDERS (8")

5 EXIST. EROSION CONTROL CURB

(6) EXIT. GUARDRAIL AGGREGATE EROSION CONTROL

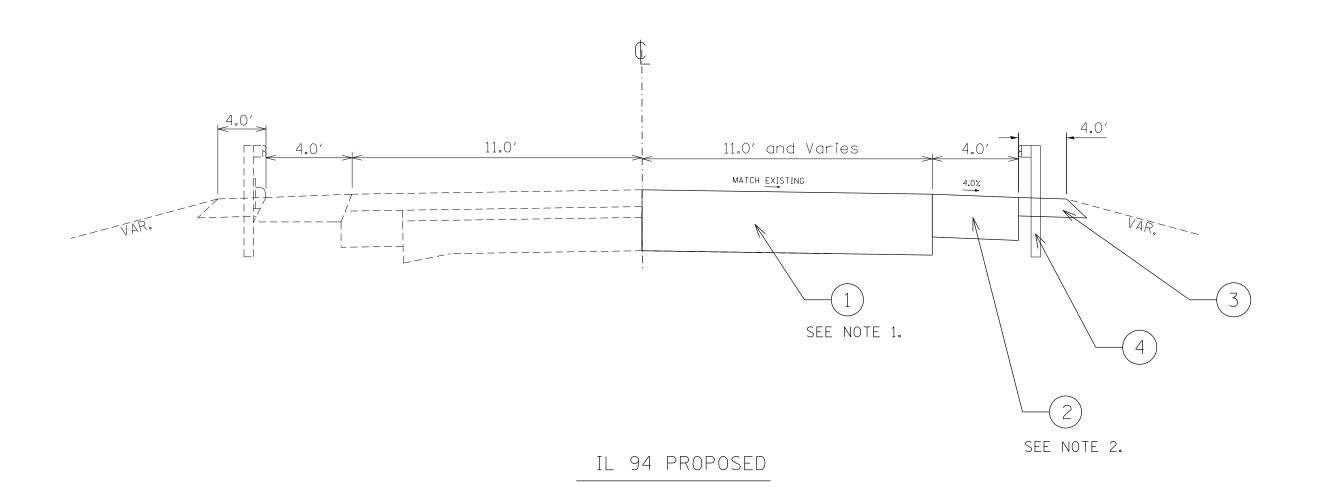
NOTES:

1. EXISITNG GUARDRAIL

STA. 434+00 TO 436+99 RT AND

STA. 435+00 TO 437+90 LT.

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -		TYPICAL SECTIONS EXISTING		F.A.S.	SECTION	COUNTY	TOTAL SHEET				
Chad Typical.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS			1412	(106-SLP, T)	HENDERSON	25 6				
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	EXISTING					CONTRACT N	NO. 68D19			
Default	PLOT DATE = 4/27/2016	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			SCALE: SHEET OF SHEETS STA. TO STA.					ILLINOIS FED.	AID PROJECT	



STA 434+30 TO 436+96

LEGEND:

- 1) PROPOSED CLASS "D" PATCHES, TYPE IV, 12 INCH
- 2 PROPOSED HMA SHOULDERS, 8"
- (3) PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- 4 PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

NOTES:

1. PROPOSED CLASS "D" PATCHES, TYPE IV, 12", ARE FROM
STA 435+08 TO 435+29 RT AND FROM STATION 436+00 TO 436+80 RT
2. THE PROPOSED HMA SHOULDERS, 8" ARE FROM STA 434+80 TO 436+80 RT

* Drawing not to scale

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -		TYPICAL SECTIONS		F.A.S. RTE.	SECTION	COUNTY	TOTAL S SHEETS	EET			
Chad Typical.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS PROPOSED 1412 (I			(106-SLP, T)	HENDERSON	25	7				
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				LULU9ED				CONTRACT N	O. 68D19	
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	SEEDING AND FERTILIZER SUMMARY								
LOCATION	TEMP. EROSION CONTROL SEEDING (1 APPLICATION)	SEEDING, CLASS 2A	MULCH, METHOD 2	ERSOSION CONTROL BLANKET	NITROGEN FERT. NUT.	PHOSPHORUS FERT. NUT.	POTASSIUM FERT. NUT.	TOPSOIL FURNISH & PLACE, 4"	
STATION TO STATION	LBS.	ACRE	ACRE	SY	LBS	LBS	LBS	SQ YD	
STA 434+60 TO 437+50 RT	38.3	0.21	0.05	771.0	19.2	19.2	19.2	1034.0	
TOTAL	38	0.21	0.05	771	19	19	19	1,034	

PIPE CULVERTS, CLASS A, TYPE 3, 30"					
LOCATION	LENGTH (FEET)				
STA. 435+90 RT	6				
TOTAL	6				

EARTHWORK							
	EADTH EVEAVATION	FOR INFORM	FURNISHER				
LOCATION	(CUT)	ADJUSTED EARTH EXCAVATION (ADJ. CUT)	EMBANKMENT (FILL)	WASTE	FURNISHED EXCAVATION		
	CY	СҮ	CY	CY	CY		
EARTHWORK FROM STA. 434+50 TO 438+00	186	149	1658	0	1509		
TOTAL	186	149	1658	0	1509		

NOTE: EARTHWORK CALCULATIONS ASSUME THAT THE PROPOSED FORESLOPE EARTHWORK WILL BE COMPLETED PRIOR TO ANY WORK O							
THE PROPOSED ROCK FILL TRENCHES.							

CONCRETE COLLAR						
LOCATION	VOLUME					
LOCATION	(CY)					
CULVERT EXTENSION STA. 435+90 RT	1					
TOTAL	1					

CONCRETE REMOVAL					
CY					
0.3					
0.3					

EROSION CONTROL BLANKET						
LOCATION	AREA					
LOCATION	(SY)					
STA 434+53 TO 435+50 AND STA 436+70 TO 437+50 RT	770.83					
TOTAL	771					

INLET AND PIPE PROTECTION					
LOCATION	EACH				
STA. 435+90 RT	1				
TOTAL	1				

STONE RIP-RAP, CLASS B3							
LOCATION	AREA	DEPTH	WEIGHT				
LOCATION	(SF)	(FT)	(TONS)				
STA. 435+50 TO 436+70 RT	7388.52	1	410.4733				
TOTAL			410				

PIPE HANDRAIL						
LOCATION	LENGTH					
LOCATION	(FEET)					
STA 435+95 RT	64					
TOTAL	64					

TEMPORARY DITCH CHECKS			
LOCATION	EACH		
PLACE 4 DITCH CHECKS ON EACH SIDE OF THE DROP STRUCTURE	8		
TOTAL	8		

PAVED SHOULDER REMOVAL					
LOCATION	LENGTH	WIDTH	AREA		
LOCATION	(FEET)	(FEET)	(SY)		
STA. 434+80 TO 436+80 RT	88.9				
TOTAL	89				

GUARDRAIL SCHEDULE							
LOCATION	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1B	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL AGGREGATE EROSION CONTROL	
	FOOT	EACH	EACH	FOOT	EACH	TON	
STA. 434+32 TO STA. 436+96 RT				264	0		
STA. 434+80 TO STA. 436+68 RT	188	1	1	0	4	63	
TOTAL	188	1	1	264	4	63	

CLASS D PATCHES, TYPE IV, 12 INCH						
LOCATION LENGTH WIDTH AREA						
LOCATION	(FEET)	(FEET)	(SY)			
STA. 435+08 TO STA. 435+29 RT	21	11	25.7			
STA. 436+00 TO 436+80 RT 80 11						
TOTAL	123.4					

HMA SHOULDERS, 8"						
LOCATION	LENGTH WIDTH					
LOCATION	(FEET)	(FEET)	(SY)			
STA. 434+80 TO STA 436+80 RT	88.9					
TOTAL	89					

EXPANSION BOLTS 3/4 INCH			
LOCATION	EACH		
CONCRETE COLLAR AT CULVERT EXTENSION	4		
TIE CONCRETE SPLASH PAD TO THE TOP OF THE MANHOLE LID	3		
TOTAL	7		

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -		SCHEDULE OF QUANTITIES			F.A.S	SECTION	COUNTY	TOTAL SHEET SHEETS NO.			
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Default	PLOT DATE = 4/27/2016	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED	AID PROJECT	

MOBILIZATION				
LOCATION	L SUM			
JOBSITE	1			
TOTAL	1			

MANHOLES, TYPE A, 5' DIAMETER				
LOCATION	EACH			
STA. 435+95 RT	1			
TOTAL 1				

CLASS SI CONCRETE (OUTLET)			
LOCATION EACH			
SPLASH PAD AT STA. 435+95 RT	0.8		
TOTAL	0.8		

PERIMETER EROSION BARRIER			
LOCATION	FEET		
STA. 434+32 TO 437+50 RT	360.0		
TOTAL	360.0		

TRAFFIC CONTROL & PROTECTION STANDARD 701201				
LOCATION	L SUM			
JOBSITE	1			
TOTAL	1			

TRAFFIC CONTROL & PROTECTION STANDARD 701326								
LOCATION	L SUM							
JOBSITE	1							
TOTAL	1							

MODIFIED URETHANE PAVEMENT MARKING										
STATIC	STATION TO STATION									
			(FT)	(FT)						
435+08.00	TO	435+29.00	42.0	21.0						
436+00.00	TO	436+80.00	160.0	80.0						
434+80.00	TO	436+80.00	0.0	99.0						
SI	SUB-TOTAL									
	TOTAL									

TRAFFIC CONTROL SURVEILLANCE	
LOCATION	CA DAY
JOBSITE	2
TOTAL	2

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -		SCHEDULE OF QUANTITIES			F.A.S RTF	SECTION	COUNTY TOTAL SHEET			
DL-001-16-sheets.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS				1412	(106-SLP,T)	HENDERSON 25 9			
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								·	CONTRACT NO. 68D19
Default	PLOT DATE = 4/27/2016	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS :	STA.	TO STA.		ILLINOIS FED.	AID PROJECT

HORIZONTAL CONTROL

IL94 C.L. P.T. DISK IL94 C.L. P.O.T. DISK

STA 432+52.99 STA 443+72.71

N 1573671.1968 N 1572551.5604

E 2104209.3091 E 2104195.5232

BENCHMARK(S)

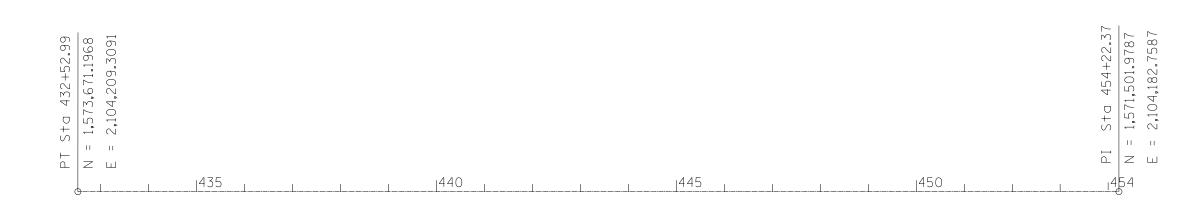
B.M.#103:

- ELEV. 655.02

- STA 437+65 (LT)

- CHIS. SQUARE N. END OF C&G,

E. SIDE IL94



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Default

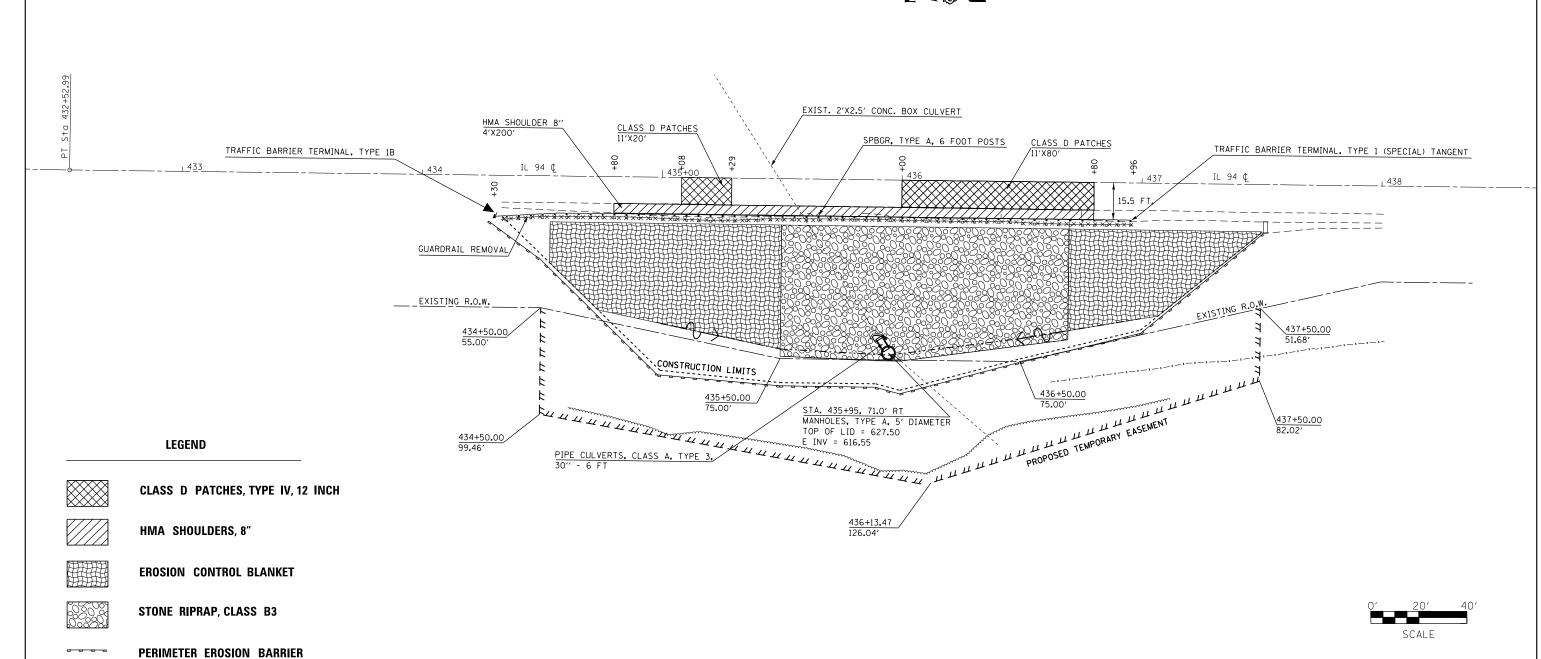
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DRAWN	=	REVISED -
PLOT SCALE = 100.0000 ' / in. CHECKED	=	REVISED -
PLOT DATE = 4/27/2016 DATE	=	REVISED -

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

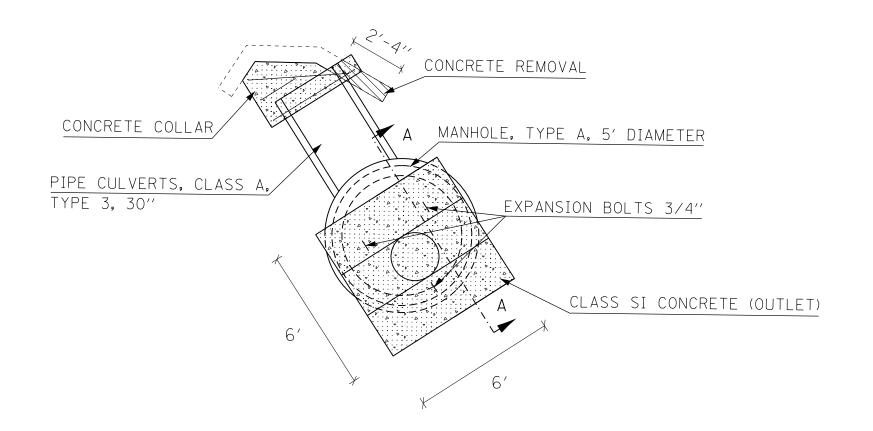
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NB/SB IL 94 ALIGNMENT, TIES, AND BENCHMARKS SHEET OF SHEETS STA.					
SHEET	OF	SHEETS	STA.	TO	STA

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
1412	(106-SLP,T)	HENDERSON	25	10
		CONTRAC	NO. (58D19
	ILLINOIS FED. A	D PROJECT		

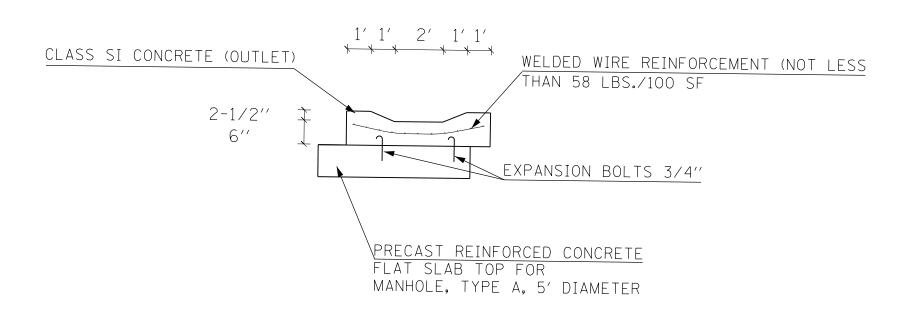




COUNTY SHEETS NO. 11 FILE NAME = DESIGNED -REVISED USER NAME = aubreygs SECTION PLAN STATE OF ILLINOIS DL-001-16-sheets.dgr DRAWN REVISED 1412 (106-SLP,T) PLOT SCALE = 40.0000 '/ in. CHECKED -REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 68D19 REVISED SCALE: SHEET SHEETS STA. TO STA. PLOT DATE = 4/27/2016 DATE

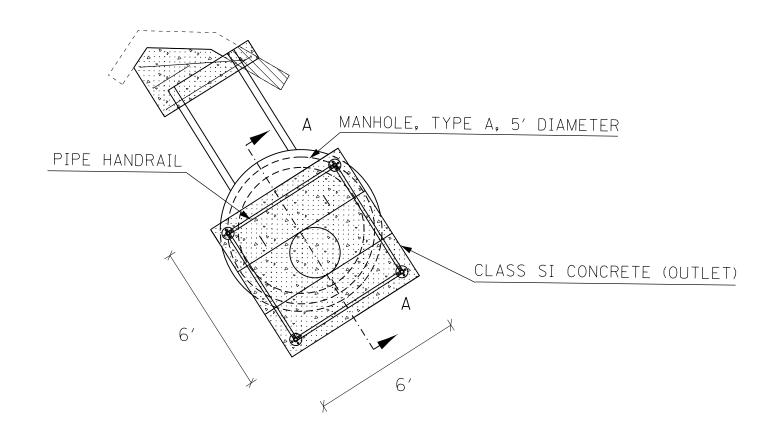


PLAN

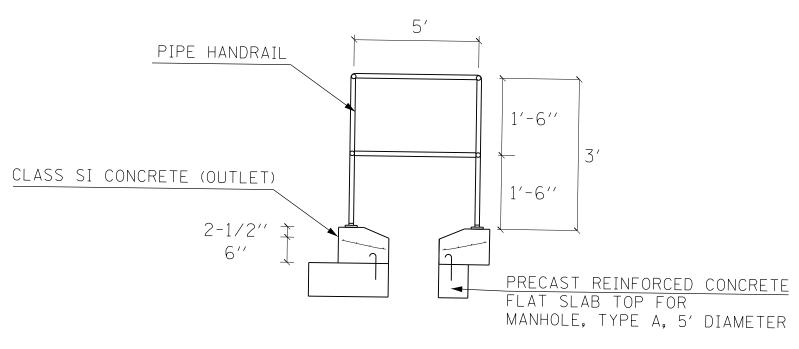


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SECTION A-A



PLAN

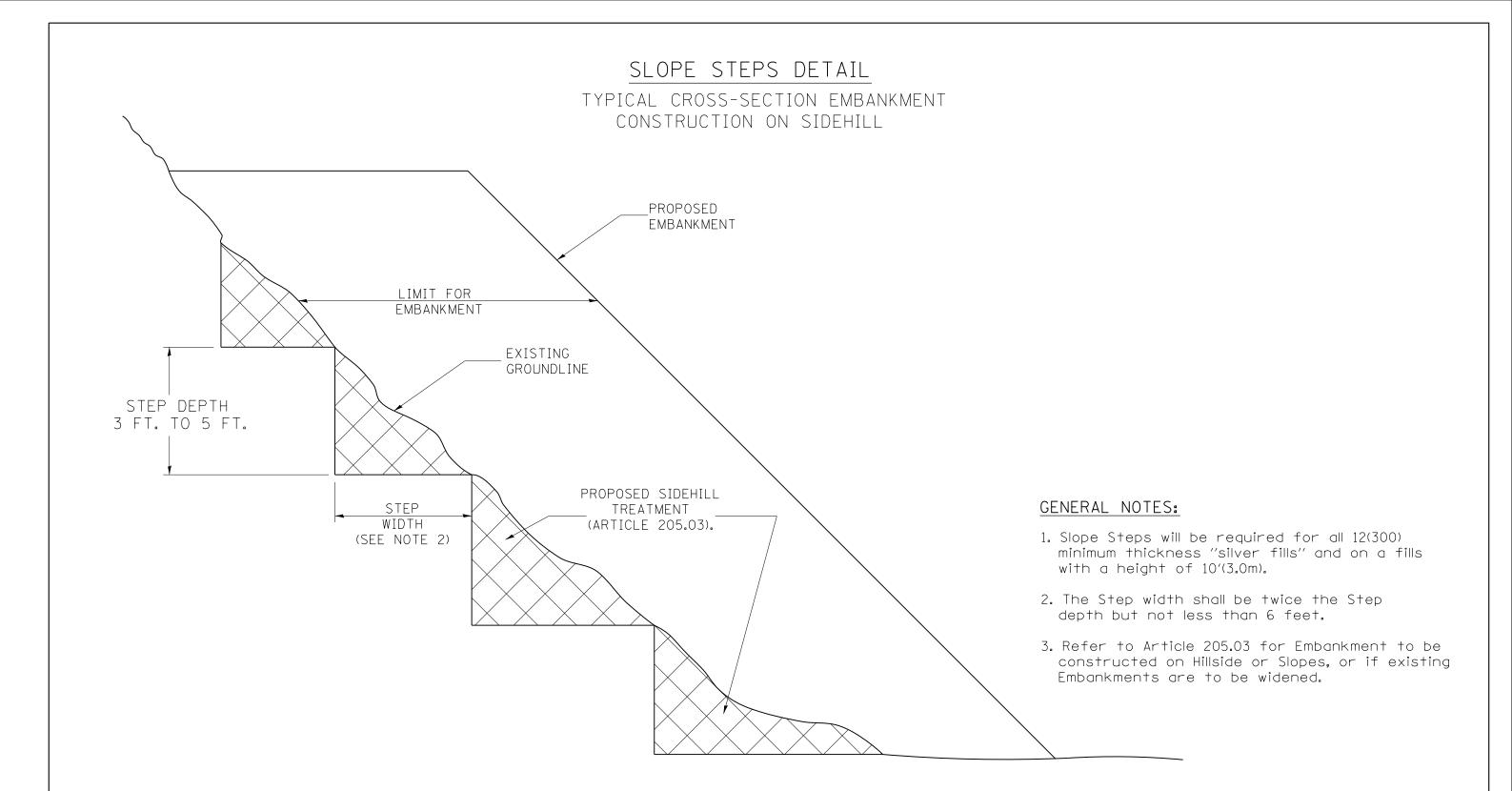


NOTES:

- 1. ALL DIMENSIONS ARE TO THE CENTER OF THE POST/RAIL
- 2. HANDRAIL DIMENSIONS TYPICAL FOR ALL SIDES

SECTION A-A

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -		PIPE HANDRAIL DETAIL			F.A.S RTF	SECTION	COUNTY	TOTAL SHEET		
DL-001-16-sheets.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS				IIANDIIAIE DEIA		1412	(106-SLP,T)	HENDERSON	25 13
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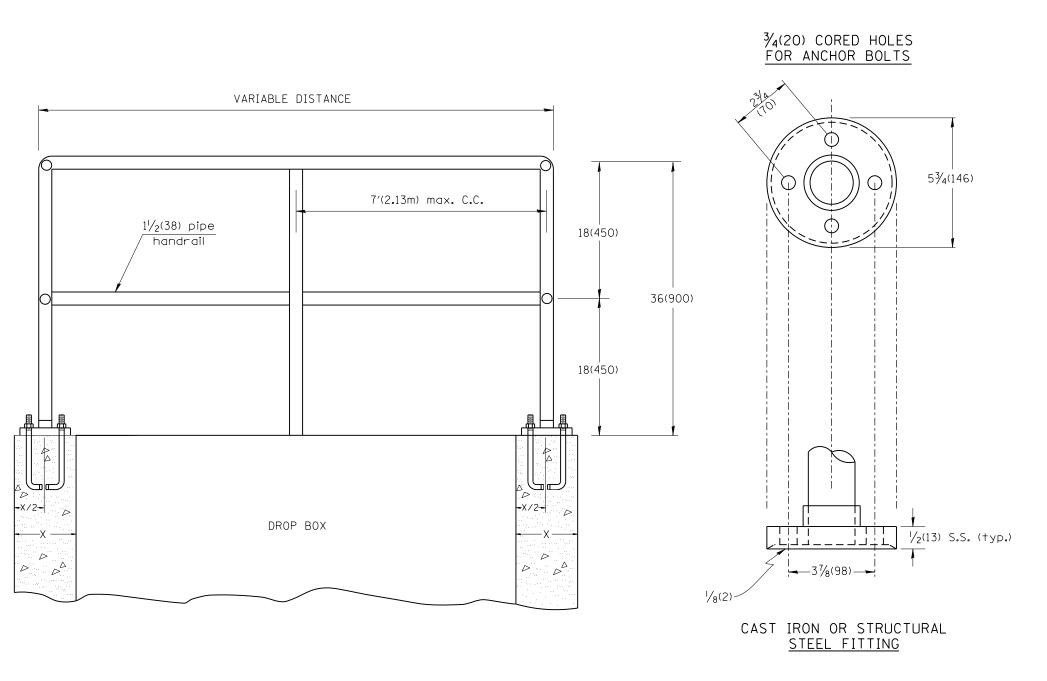


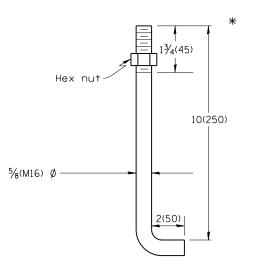
REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFACATION).

1-1-97 RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE T.P.				RTE.	SECTION	COUNTY	SHEETS NO.
BOX, REVISED GENERAL NOTES.	STATE OF ILLINOIS	SLOPE STEPS DETAIL		1412	(106-SLP,T)	HENDERSON	25 14
10-16-06 REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 68D19
		NOT TO SCALE	CADD STD. 205001-D4	FED. ROAD DIST.	. NO. ILLINOIS FED. A	ID PROJECT	



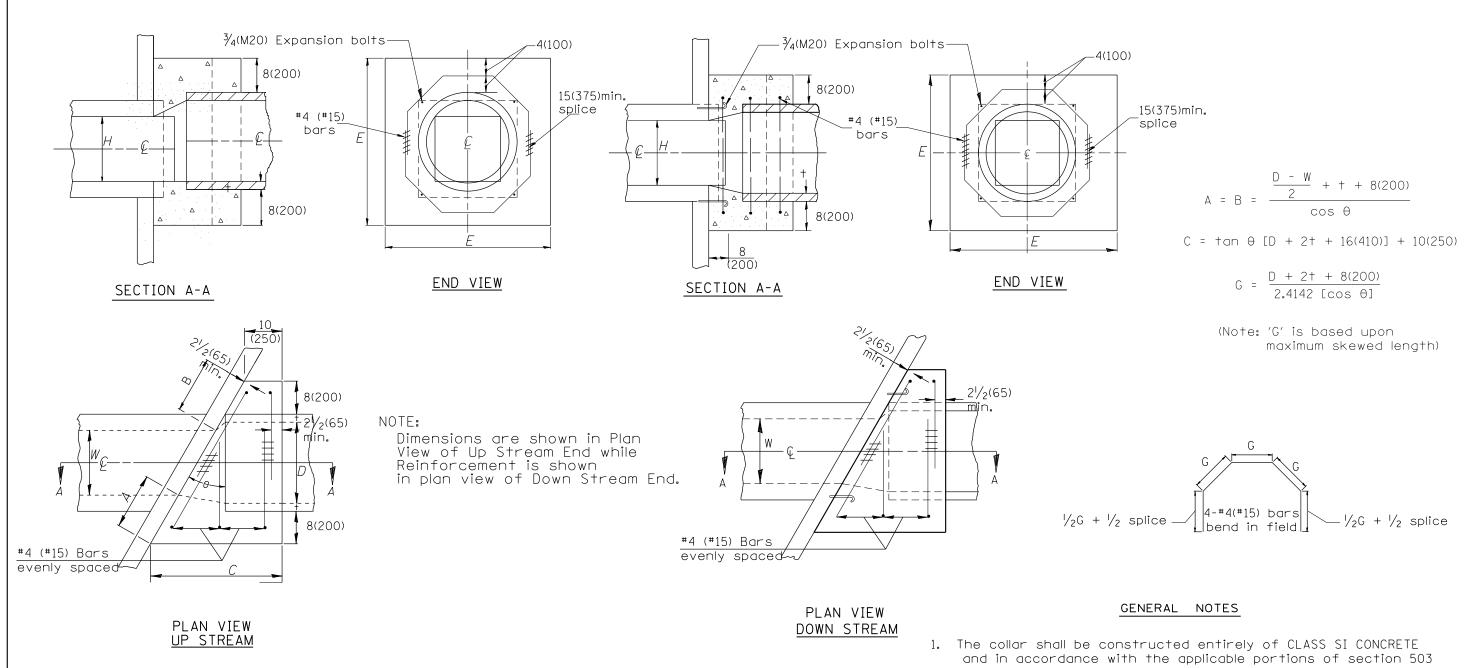


BUILT-IN ANCHOR BOLT 5/8(M16) Ø, 12(300) LONG (SEE GENERAL NOTE 3)

GENERAL NOTES:

- 1. Article 509.04 of the Standard Specifications shall apply.
- Connection of railing to posts shall be made be continuous welding or with using standard pipe fitting.
- 3. An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be \(^3\)\(_4(20)\) in diameter and 5(125) deep. They shall be predrilled with an electric hammer drill to a depth of 4(100) prior to use of a pnuematic drill for the remaining 4(100). A two component encapsulated epoxy such as "Parabond" or an equivalent shall be used. Installation shall be according to Manufacturer's recommendations.
- 4. The pipe handrail shall be galvanized by the hot dip process.

01-01-97 RENUM. B-11.01, METRICS, NEW REVISION BOX, T.P.	CTATE OF HIMMOR	DETAIL OF DIDE HANDDAN FACTERING	Ľ	RTE.	SECTION	COUNTY	SHEETS NO.
REVISED TITLE BOX, REVISED NOTES	STATE OF ILLINOIS	DETAIL OF PIPE HANDRAIL FASTENING		1412	(106-SLP,T)	HENDERSON	25 15
10-16-06 REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION			•		CONTRAC	CT NO. 68D19
		NOT TO SCALE CADD STE	. 510001-D4	FED. ROAD (DIST. NO. ILLINOIS FED. A	ID PROJECT	



OUANTITIES

CALC. BY: ______ DATE:

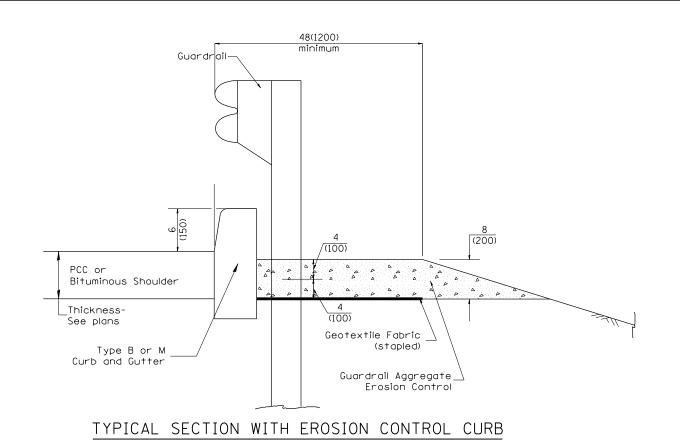
OUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

DATE:

- and in accordance with the applicable portions of section 50 of the Standard Specifications. Reinforcement bars shall conform to section 508.
- 2. Expansion bolts shall consist of approved expansion anchors, and 3/4 (M20) hook bolts which conform to section 1006.09. These bolts shall extend at least 8(200) into the new concrete.
- 3. This work will be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR, by the pound (kg) for REINFORCEMENT BARS, and by Each for EXPANSION BOLTS of the size indicated.

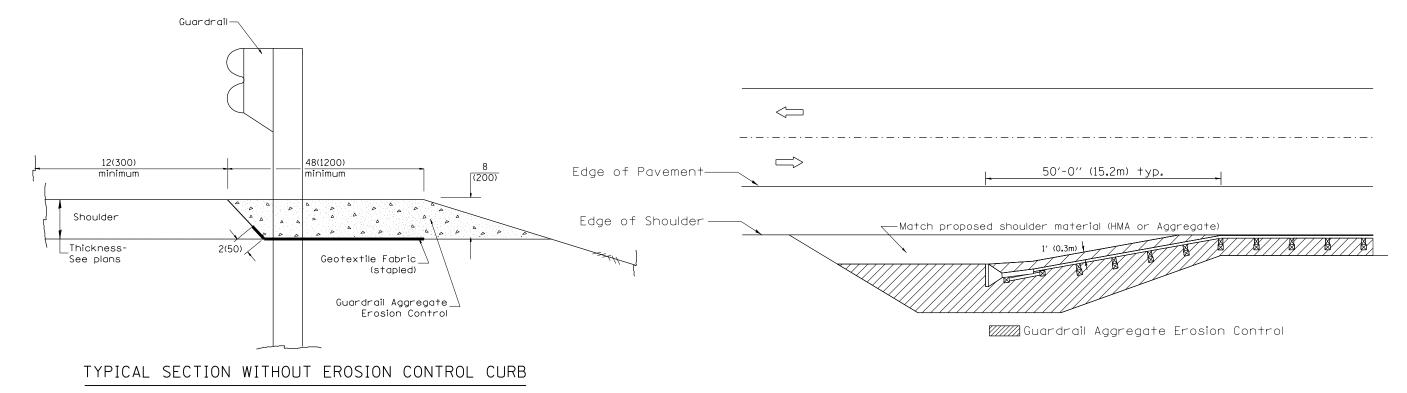
										E	ACH COL	LAR		
	EXISTI	NG BOX								CONCRETE	REI	NFORCEMEN	T BARS	EXPAN. BOLTS
ŀ			9	Α	В	С	D	E	+	CU. YD. (m ³)	G	L	KG(LBS.)	EACH
	W	Н												
	2	2 . 5	33	17	17	44	30	53	3 . 5	1.0	1.9	8.7	29	4

01-01-97 RENUM. J-11.03, NEW REVISION BOX, REVISED	T.P.				F./	A.S SEC	TION	COUNTY	TOTAL	SHEET
TITLE BOX, ADDED QUANTITY CALCULATION BOX			STATE OF ILLINOIS	SKEWED PIPE CULVERT EXTENSION COLLAR (WITH END SECTION)	/ 1	412 (106-1	SLP.T)	HENDERSON	25	16
10-16-06 REVISED TO 2007 SPEC.	M.A.		DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. F	8D19
2-15-11 CHANCED REBAR DETAIL	B D			NOT TO SCALE CARD STD. 54201	1-D4 🚾	D BOAD DICT NO	TILLINOIS EED AT	ID DROJECT		

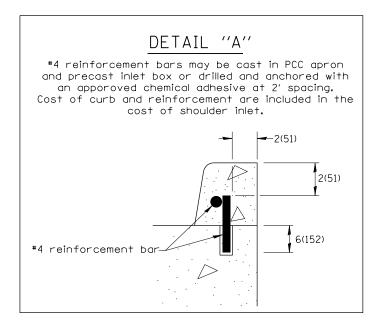


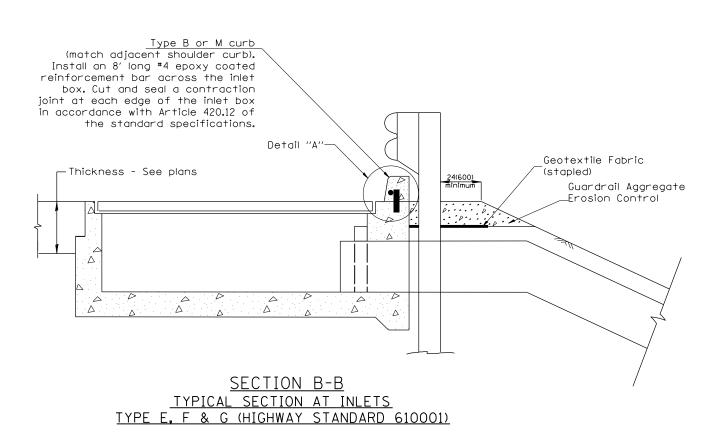
GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

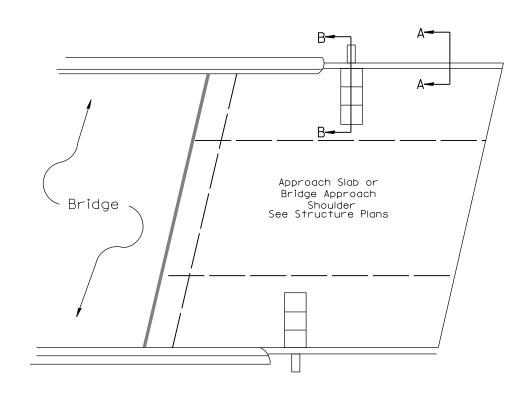
- 1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
- 2. Before placing the aggregate and the Geotextile Fabric,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



01-01-9	7 RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11 Added Detail showing plan view	R.D.				F.A.S RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	7 CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12 Revised curb "B" and aggregate	R.D.	STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATMENTS		1412 (10	6-SLP,T)	HENDERSON	25 17
11-03-0	O CORRECTION TO NOTES	M.A.	7-15-15 Addressed shoulder inlet curb	R.D.	DEPARTMENT OF TRANSPORTATION	SHT. 1	OF 2	•		CONTRACT	T NO. 68D19
10-16-0	6 REVISED TO 2007 SPEC.	M.A.				NOT TO SCALE CADD STD. 630	101-D4	FED. ROAD DIST. NO	. ILLINOIS FED. A	ID PROJECT	

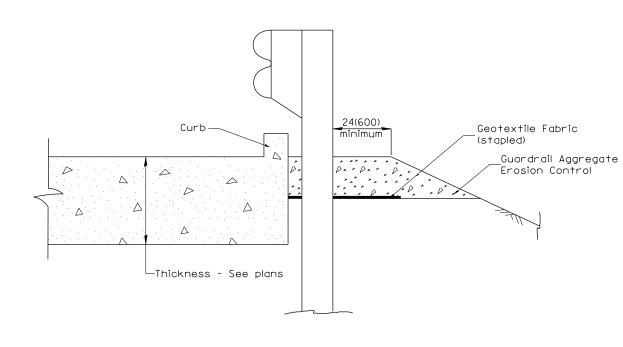






PLAN VIEW

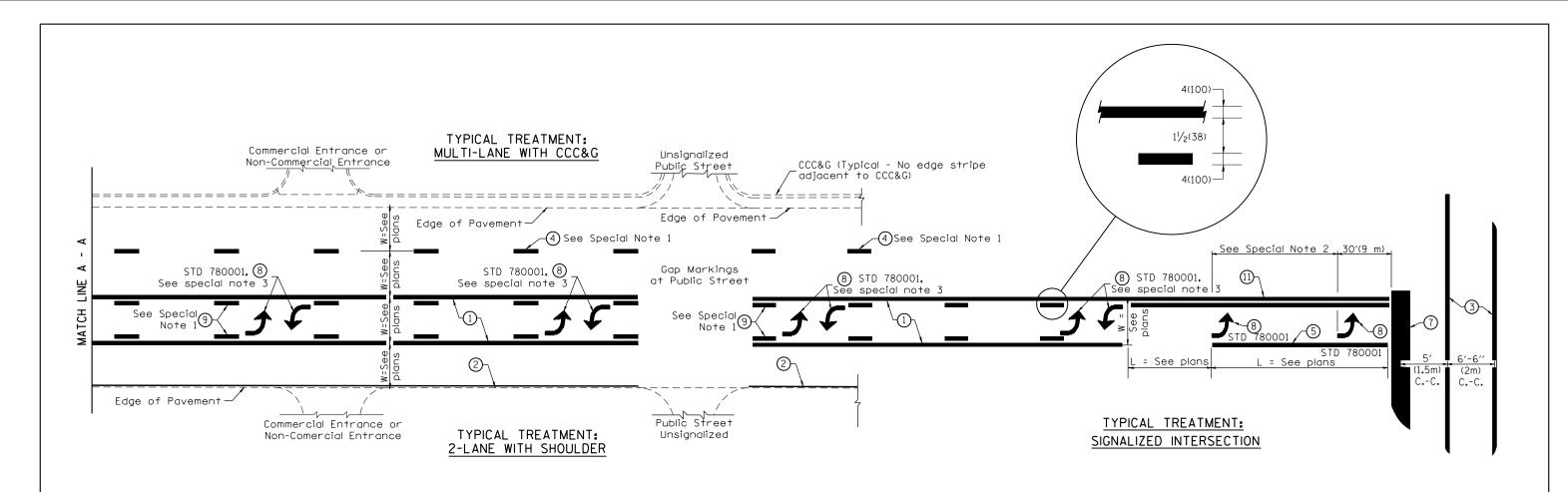
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION A-A

TYPICAL SECTION WITH BRIDGE APPROACH CURB

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS						RTE.	SECTION	COUNTY	SHEETS	NO.
DL-001-16-sheets.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATMENTS				ATMENTS	1412	(106-SLP,T)	HENDERSON	25	18
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					SHT. 2 OF 2			CONTRAC	T NO. 680	D19
Default	PLOT DATE = 4/27/2016	DATE -	REVISED -		NOT TO SCALE	SHEET	OF	SHEETS STA.	CADD STD. 630101-D4	FED. ROAD D	IST. NO. ILLINOIS FED	. AID PROJECT		



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

TYPICAL PAVEMENT MARKING LEGEND

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

- 1) 4(100) Solid (Yellow)
- (2) 4(100) Solid (White)
- 3 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White) 2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)

(See Special Note 1)

- 4) 6(150) Skip-Dash (White) 10' 30' (9.14m) (9.14m)
- 5) 8(200) Solid (White)
- (6) 12(300) Diagonal (White) (Item (6) is shown on Std. 780001)
- (7) 24(600) Stop Bar (White)
- 8 Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- 9 4(100) Skip-Dash (Yellow) $\frac{10'}{|(3.05m)|}$ $\frac{30'}{|(3.05m)|}$ (See Special Note 1)
- (1) 12(300) Diagonal (Yellow) (See Table A)

 45°

 (1) 4(100) Double Solid (Yellow)

 11(280) C.-C.

SPECIAL NOTES

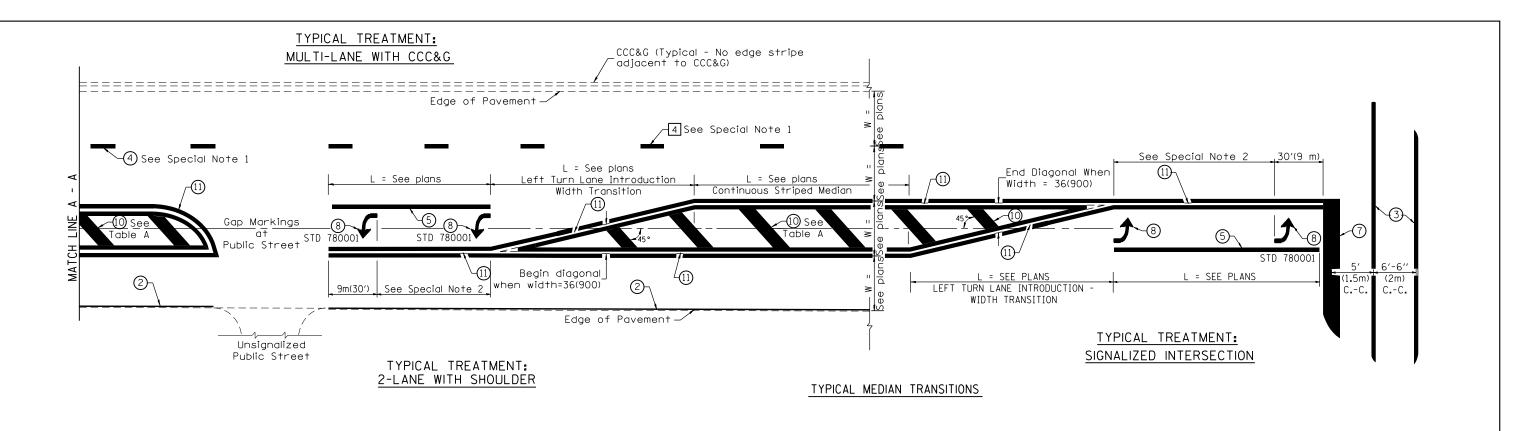
- 1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversly across the pavement.
- 2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - 3. The maximum spacing between arrows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

GENERAL NOTES

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

C		VISION BOX 1.	.P.	10-16-06	REVISED TO 2007 SPEC.	27.77 27 11.111212				F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
0	2-07-97 ADD BI DIRECTIONAL		.A.			STATE OF ILLINOIS		TYPICAL PAVEMENT MARKINGS		1412	(106-SLP,T)	HENDERSON	25	19
L	10-97 CORRECT BI DIRECTIO	AL DIMENSION J.	.A.			DEPARTMENT OF TRANSPORTATION			SHT. 1 OF 2	•		CONTRACT	NO. ſ	8D19د
	08-02 ADD CROSSWALK DMNS	WITH T.S. M.	I.A.				NOT TO SCALE		CADD STD. 780001-D4	FED. ROAD DIS	ST. NO. ILLINOIS FED. A	ID PROJECT		

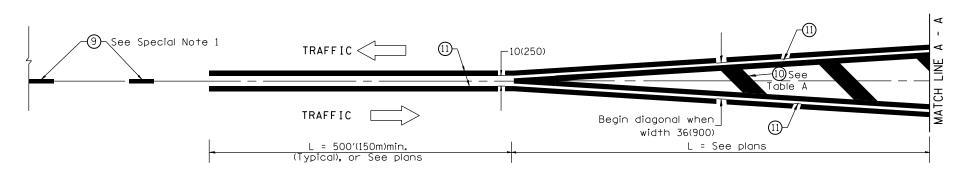
is 200' (61 m).



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A RECOMMENDED SPACING BETWEEN DIAGONAL LINES

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



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

INTERSECTION CHANNELIZATION

	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TVDICAL DANGARDIT MADRIANCO	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		TYPICAL PAVEMENT MARKINGS	2 OF 2	(106-SLP,T)	HENDERSON	25 T NO	20 8D19
		NOT TO SCALE CADD STD. 780	0001-D4 FED. F	ROAD DIST. NO. ILLINOIS FED. AI	D PROJECT	1 102	3013

