PROJECT ENGINEER: MAUREEN ADDIS (309) 671-3454

DESIGN BY: MICHAEL HUDELSON (309) 671-3477

6-13-08 Letting, Item 212

FOR INDEX OF SHEETS, SEE PAGE 2

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 68784		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

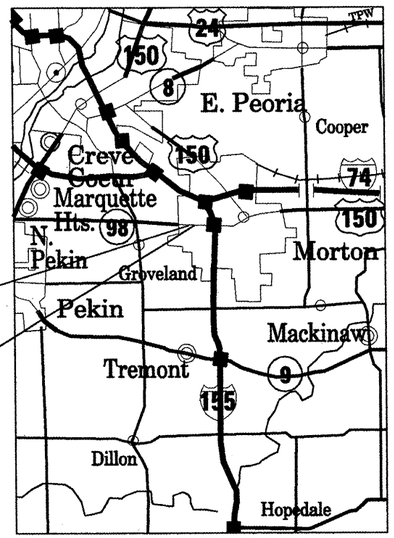
PROPOSED HIGHWAY PLANS

FAU ROUTE 6758 (IL 98)
SECTION 7-BR
TAZEWELL COUNTY
C-94-023-08
PROJECT ACM-6758(002)

LIST OF STANDARDS

280001-04
442201-03
482001-02
630001-07
630101-07
630301-04
635006-02
635011-01
701001-01
701006-02
701011-01
701301-02
701311-02
BLR-21-7

R 4 W | R 3 W



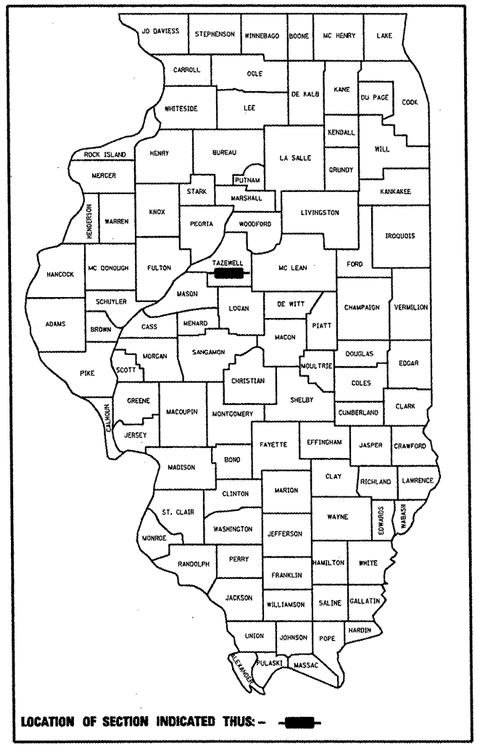
PROJECT BEGINS
STA 142+05

PROJECT ENDS
STA 146+83

T 25 N

N

D-94-022-08



LOCATION OF SECTION INDICATED THUS:- ▬

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

404/401 PERMIT REQUIRED

CONTRACT NO. 68784 CATALOG NO. 031263-03D

JOB DESCRIPTION

This project consists of a removing a double box culvert carrying IL 98 over Dillon Creek and replacing it with a double 10' x 6.5' cast-in-place box culvert (existing S.N. 090-2501, proposed S.N. 090-2018), Class D patch, 8" bituminous shoulder, guardrail, and some earthwork.

GROSS LENGTH OF IMPROVEMENT = 478 FEET = 0.09 MILES
NET LENGTH OF IMPROVEMENT = 478 FEET = 0.09 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Moncap 20 08

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20

ENGINEER OF DESIGN AND ENVIRONMENT

20

DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

PAVEMENT STATIONING NUMBERS & PLACEMENT

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

The pavement station numbers shall be installed as specified herein:

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

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

Location:

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

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

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

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

AVAILABILITY OF ELECTRONIC FILES

Micro Station and GEOPAK files of this project will be made available to the Contractor. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

GENERAL NOTES

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	BITUMINOUS SHOULDER (SURFACE LIFT)	BITUMINOUS SHOULDER (LOWER LIFTS)	CLASS D PATCH (SURFACE LIFT)	CLASS D PATCH (LOWER LIFTS)
RAP % (Max)**:	30%	30%	15%	25%
AC/PC:	PG 64–22	PG 64–22	PG 64–22	PG 64–22
Design Air Voids:	3.0% @ N=30	4.0% @ N=30	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5L	IL 19.0L	IL 9.5 OR 12.5	IL 19.0
Friction Aggregate	MIXTURE C	N/A	MIXTURE D	N/A

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

ENVIRONMENTAL REVIEWS

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

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

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

The required environmental resource documentation shall include the following:

* BDE Form 2289 (Environmental Survey Request)
* A location map showing the size limits and location of the use area
* Signed property owner agreement form–D4 P10100
* Color photographs depicting the use area
* Borrow Area Entry Agreement form–D4 P10101

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

ENGINEERS FIELD OFFICE

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

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 for this project.

STATUS OF UTILITIES

AmerenIP

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
IL 98	30' RT	Sta. 144+75 +/-	Electric Pole	Ditch Cut	Relocate

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		DRAWN -	REVISED -
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	PLOT DATE = 4/15/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Index of Sheets, General Notes, Commitments & Job Specific Notes

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	2
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: TAZEWELL CO. 80%-20% FED-STA Y007		
20200100	EARTH EXCAVATION	CU YD	452	452		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	95.2	95.2		
20300100	CHANNEL EXCAVATION	CU YD	52	52		
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	46.6	46.6		
20800150	TRENCH BACKFILL	CU YD	35.6	35.6		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	126.9	126.9		
21101615	TOP SOIL FURNISH AND PLACE, 4"	SQ YD	1519	1519		
25000210	SEEDING, CLASS 2A	ACRE	0.31	0.31		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27.9	27.9		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	27.9	27.9		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	27.9	27.9		
25100115	MULCH, METHOD 2	ACRE	0.31	0.31		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	62	62		
28000300	TEMPORARY DITCH CHECKS	EACH	18	18		
28000310	AGGRGATE DITCH CHECKS	EACH	1	1		
28000400	PERIMETER EROSION BARRIER	FOOT	392	392		
28100107	STONE RIPRAP, CLASS A4	SQ YD	83	83		
28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	127.3	127.3		
28200200	FILTER FABRIC	SQ YD	210.3	210.3		
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	256	256		
48203029	HOT - MIX ASPHALT SHOULDERS, 8"	SQ YD	333.1	333.1		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
50800105	REINFORCEMENT BARS	POUND	17530	17530		
51500100	NAME PLATES	EACH	1	1		
54003000	CONCRETE BOX CULVERTS	CU YD	104.7	104.7		
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	462.5	462.5		
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	75	75		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARD RAIL REMOVAL	FOOT	200	200		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2		
67100100	MOBILIZATION	L SUM	1	1		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: TAZEWELL CO. 80%-20% FED-STA Y007		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1		
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8		
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0054400	ROCK FILL	CU YD	74	74		
X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	135.8	135.8		

* SPECIALTY ITEM

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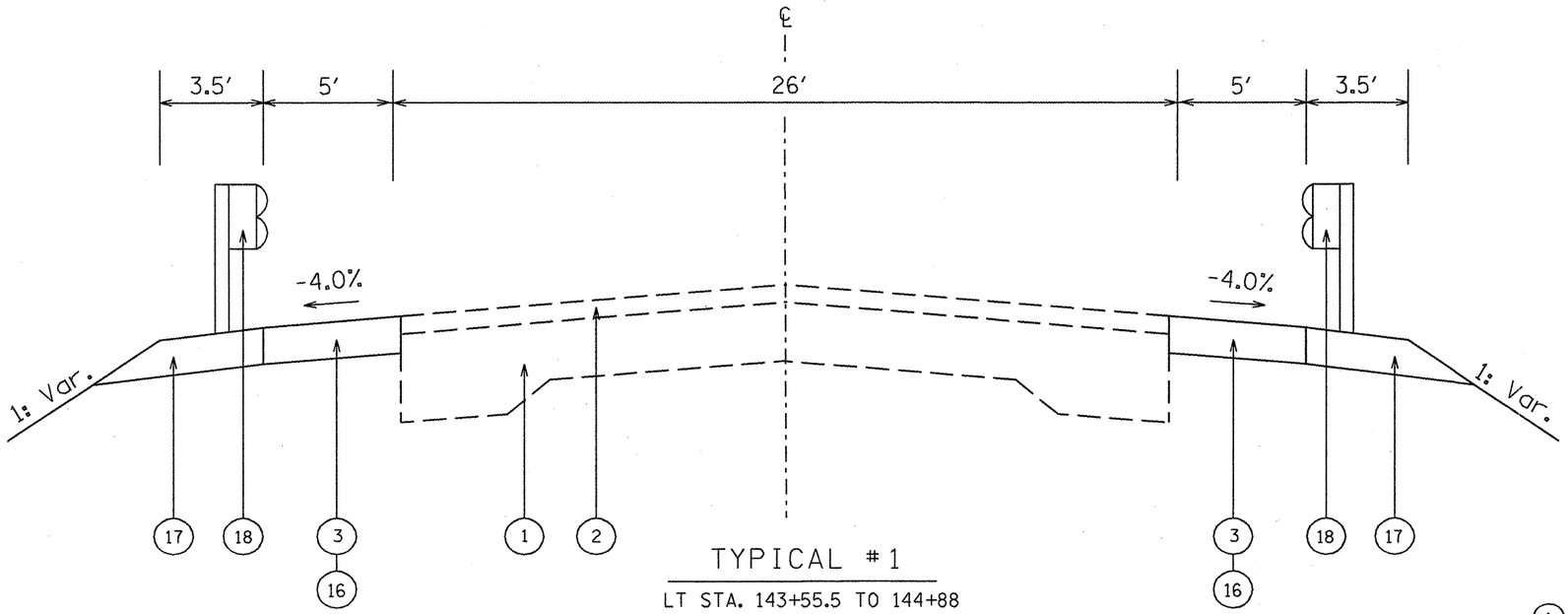
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

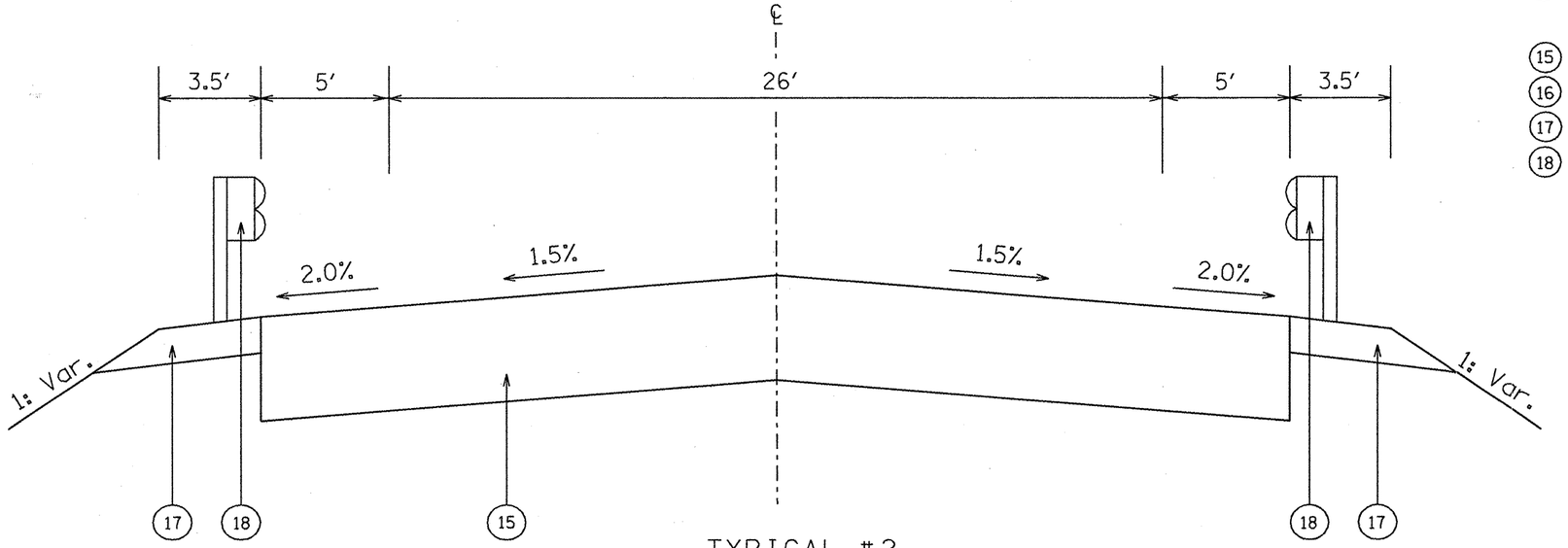
SUMMARY OF QUANTITIES

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	3
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL #1

LT STA. 143+55.5 TO 144+88
LT STA. 145+52 TO 146+43
RT STA. 142+45 TO 144+88
RT STA. 145+52 TO 146+45



TYPICAL #2

STA. 144+88 TO 145+52

LEGEND

(1) EXISTING 9-6-9 PAVEMENT
(2) EXISTING BITUMINOUS OVERLAY
(3) EXISTING AGGREGATE SHOULDER

(15) PROPOSED CLASS D PATCH, 13 INCH
(16) PROPOSED HOT-MIX ASPHALT SHOULDER 8″
(17) PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
(18) PROPOSED STEEL PLATE BEAM GUARDRAIL & TRAFFIC BARRIER TERMINALS

NOT TO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Typical Sections

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	4
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LANDSCAPING TABLE						
LOCATION	TOPSOIL FURNISH & PLACE 4"	SEEDING CLASS 2A	MULCH METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
	SQ YD	ACRE	ACRE	POUND	POUND	POUND
IL 98	1519	0.31	0.31	27.9	27.9	27.9
TOTAL	1519	0.31	0.31	27.9	27.9	27.9

TEMPORARY EROSION CONTROL SEEDING		
LOCATION	AREA	TOTAL
	ACRE	POUND
JOBSITE	0.31	31
X 2 APPLICATIONS		62
TOTAL		62

EARTHWORK TABLE				
LOCATION	CHANNEL EXCAVATION	EARTH EXCAVATION	FOR INFORMATION ONLY	
			EARTH EXCAVATION (W/SHRINKAGE)	EMBANKMENT
	CU YD	CU YD	CU YD	CU YD
IL 98	52	452	339	327
TOTAL	52	452	339	327

SHRINKAGE FACTOR 25%

GUARDRAIL REMOVAL	
LOCATION	FOOT
LT 144+77 TO 145+77	100
RT 144+77 TO 145+77	100
TOTAL	200

CLASS D PATCHES, TYPE IV, 13 INCH	
LOCATION	SQ YD
144+88 TO 145+52	256
TOTAL	256

GUARDRAIL TABLE				
LOCATION	STEEL PLATE BEAM GUARDRAIL TYPE A	STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 1 TANGENT SPECIAL	TERMINAL MARKER DIRECT APPLIED
	FOOT	FOOT	EACH	EACH
LT 143+55.5 TO 143+93			1	1
LT 143+93 TO 146+05.5	175	37.5		
LT 146+05.5 TO 146+43			1	1
RT 142+45 TO 142+82.5			1	1
RT 142+82.5 TO 146+07.5	287.5	37.5		
RT 146+07.5 TO 146+45			1	1
TOTALS	462.5	75	4	4

BOX CULVERT BACKFILL TABLE					
LOCATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	TRENCH BACKFILL	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	ROCKFILL	POROUS GRANULAR EMBANKMENT SPECIAL
	CU YD	CU YD	SQ YD	CU YD	CU YD
145+20	95.2	35.6	126.9	74	46.6
TOTAL	95.2	35.6	126.9	74	46.6

LOCATION	DEPTH	STONE DUMPED RIP RAP CLASS B3	FILTER FABRIC
	IN	SQ YD	SQ YD
RT 144+65 TO 144+93	8	28.9	28.9
LT 144+68 TO 145+08	8	42.4	42.4
RT 145+30 TO 145+56	8	26.8	26.8
LT 145+47 TO 145+75	8	29.5	29.5
TOTAL		127.6	127.6

CHANGEABLE MESSAGE SIGN	
NUM. OF SIGNS	CAL MO
2 SIGNS - 2 WEEKS EACH	1
TOTAL	1

AGGREGATE DITCH CHECKS	
LOCATION	EACH
D. S. END OF CULVERT	1
TOTAL	1

GUARDRAIL MARKERS TYPE A	
LOCATION	EACH
LT 143+55.5 TO 146+43	4
RT 142+45 TO 146+45	4
TOTAL	8

GUARDRAIL AGGREGATE EROSION CONTROL	
LOCATION	TON
LT 143+55.5 TO 146+43	56.8
RT 142+45 TO 146+45	79
TOTAL	135.8

PERIMETER EROSION BARRIER	
LOCATION	FOOT
LT 143+15 TO 144+65	153
LT 146+50 TO 146+83	43
SUBTOTAL	196
X 2 APPLICATIONS	
TOTAL	392

TEMPORARY DITCH CHECKS	
LOCATION	EACH
LT 145+75	1
LT 146+25	1
RT 143+00	1
RT 143+55	1
RT 144+10	1
RT 144+66	1
RT 145+57	1
RT 146+00	1
RT 146+40	1
SUBTOTAL	9
X 2 APPLICATIONS	
TOTAL	18

HOT-MIX ASPHALT SHOULDERS 8"	
LOCATION	SQ YD
LT 143+45.5 TO 144+88	79.2
LT 145+52 TO 146+53	56.1
RT 142+35 TO 144+88	140.6
RT 145+52 TO 146+55	57.2
TOTAL	333.1

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DESIGNED - | DRAWN - | CHECKED - | DATE -

REVISED - | REVISED - | REVISED - | REVISED -

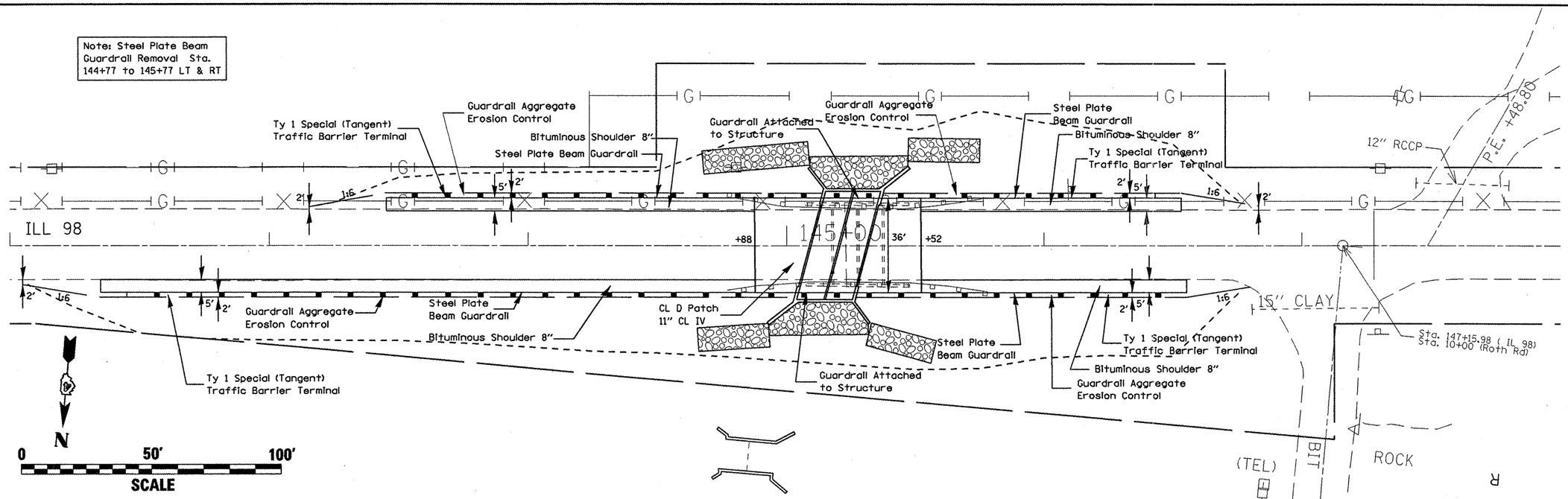
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Schedule of Quantities

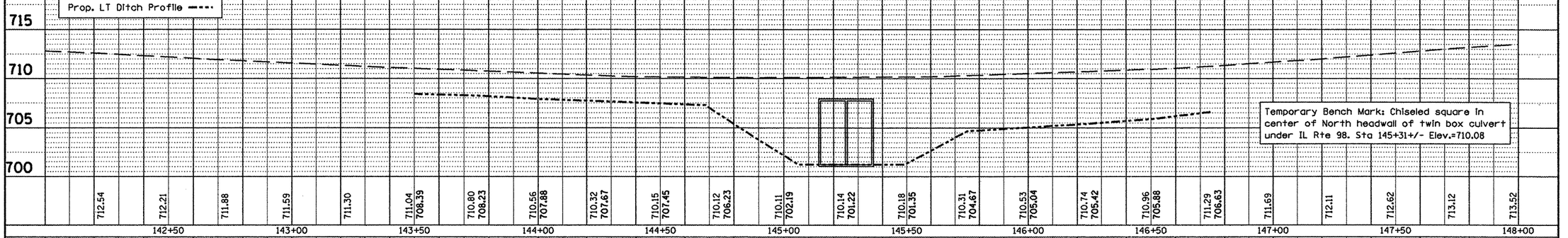
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	5
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Note: Steel Plate Beam Guardrail Removal Sta. 144+77 to 145+77 LT & RT

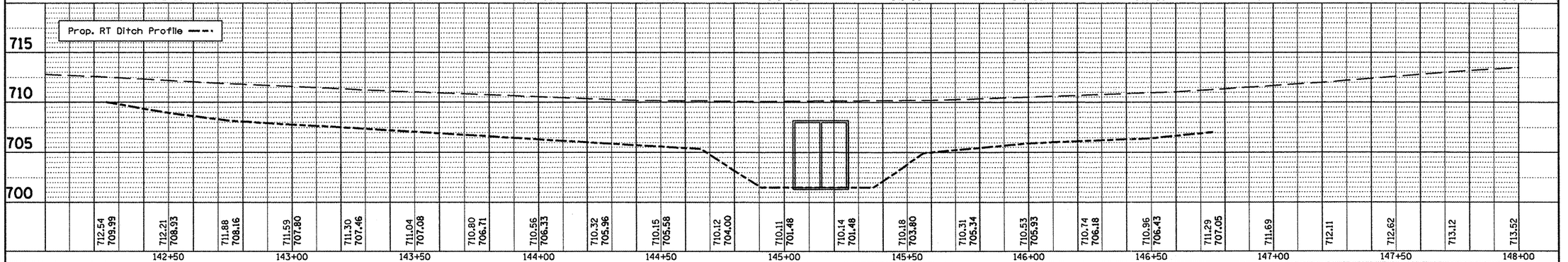


Prop. LT Ditch Profile ----



Temporary Bench Mark: Chiseled square in center of North headwall of twin box culvert under IL Rte 98. Sta 145+31+/- Elev.=710.08

Prop. RT Ditch Profile ----



PLAN — SURVEYED | BY | DATE; ALIGNMENT CHECKED; GRADES CHECKED; STRUCTURE NO.; CADD FILE NAME; NOTE BOOK; NO.

PROFILE — SURVEYED | BY | DATE; ALIGNMENT CHECKED; GRADES CHECKED; STRUCTURE NO.; CADD FILE NAME; NOTE BOOK; NO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Proposed Plan and Profile

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	6
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Perimeter Erosion Barrier

Temporary Ditch Check

Aggregate Ditch Check

Stone Dumped Rip Rap Ty B3

ILL 98

145+60

12" RCCP

P.E. +48.80

15" CLAY

Sta. 147+15.98 (IL 98)
Sta. 10+00 (Roth Rd)

Stone Dumped Rip Rap Ty B3

(TEL)

BIT

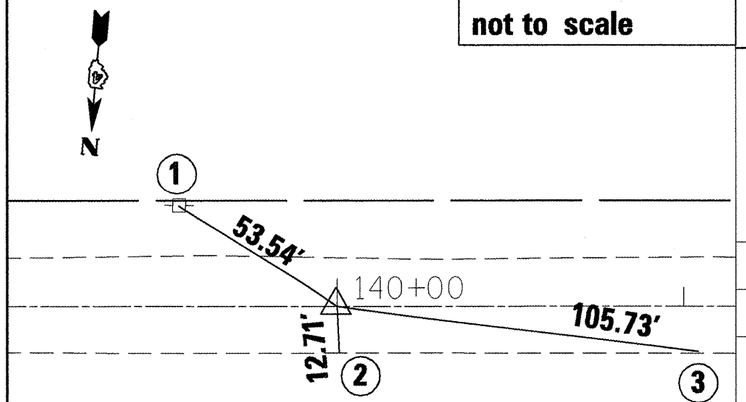
ROCK

N

0 50' 100'

SCALE

P.O.T. Sta. 140+00 not to scale



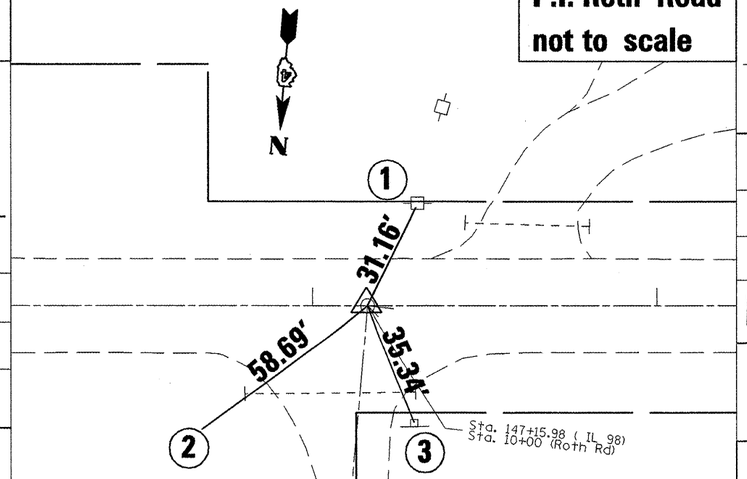
△ P.K. & Wash.

(1) P.K. & Wash. in Power Pole

(2) P.K. in "+" of Station

(3) P.K. in "+" of Station

P.I. Roth Road not to scale



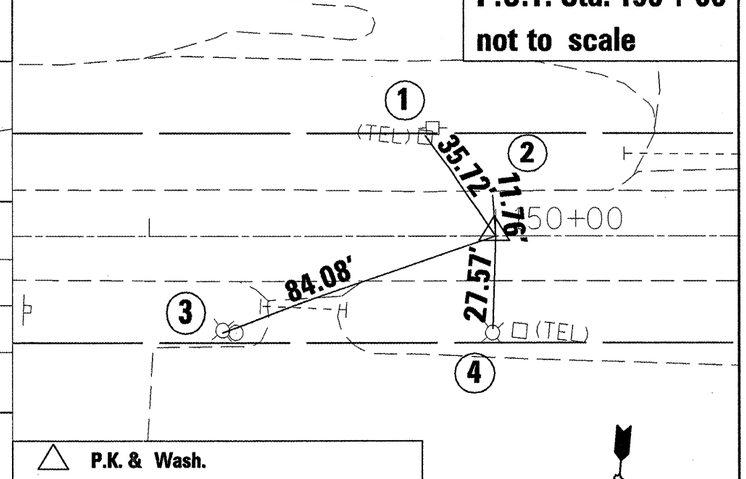
△ P.K. & Wash.

(1) P.K. & Wash. in Power Pole

(2) S.W. corner of street sign post

(3) P.K. & Wash. in STOP sign post

P.O.T. Sta. 150+00 not to scale



△ P.K. & Wash.

(1) P.K. & Wash. in Power Pole w/Trans.

(2) P.K. in "+" of Station

(3) P.K. & Wash. in Light Pole

(4) P.K. & Wash. in Light Pole

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	PLOT DATE = 4/15/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Temporary Erosion Control & Survey Ties

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	7
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING STRUCTURE: S.N. 090-2501, Built in 1924 under S.B.I. Rte. 9, Section 7 as a double 9'x6' cast in place box culvert. The culvert is not on a skew, and the length of both barrels is 30'. The roadway at this location is on tangent, and the culvert is located in a sag vertical curve. Existing culvert to be removed and replaced. No Salvage.

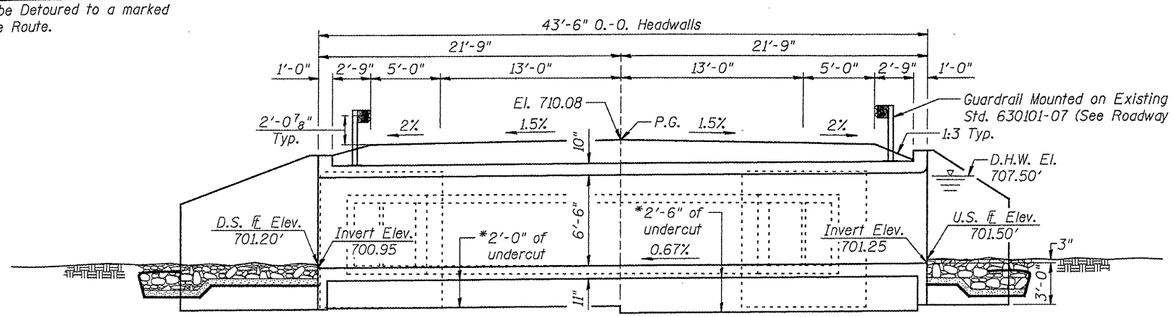
BENCH MARK: Set Chiseled "□" on N. Headwall of S.N. 090-2501. Elev.=710.08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6758	7-BR	TAZEWELL	21	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1 3 SHEETS

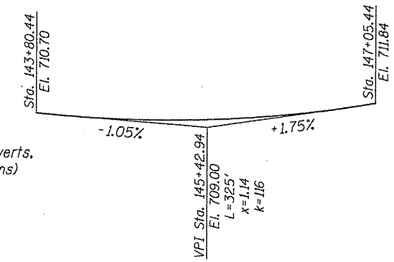
Contract # 68784

DURING CONSTRUCTION: Traffic will be Detoured to a marked State Route.



LONGITUDINAL SECTION

(Dimensions @ Rt. <'s to Roadway)
*See Structural Sheet 2 of 3 for Cross Section view of backfill limits.



PROFILE GRADE

(Along ℄ Roadway)

WATERWAY INFORMATION

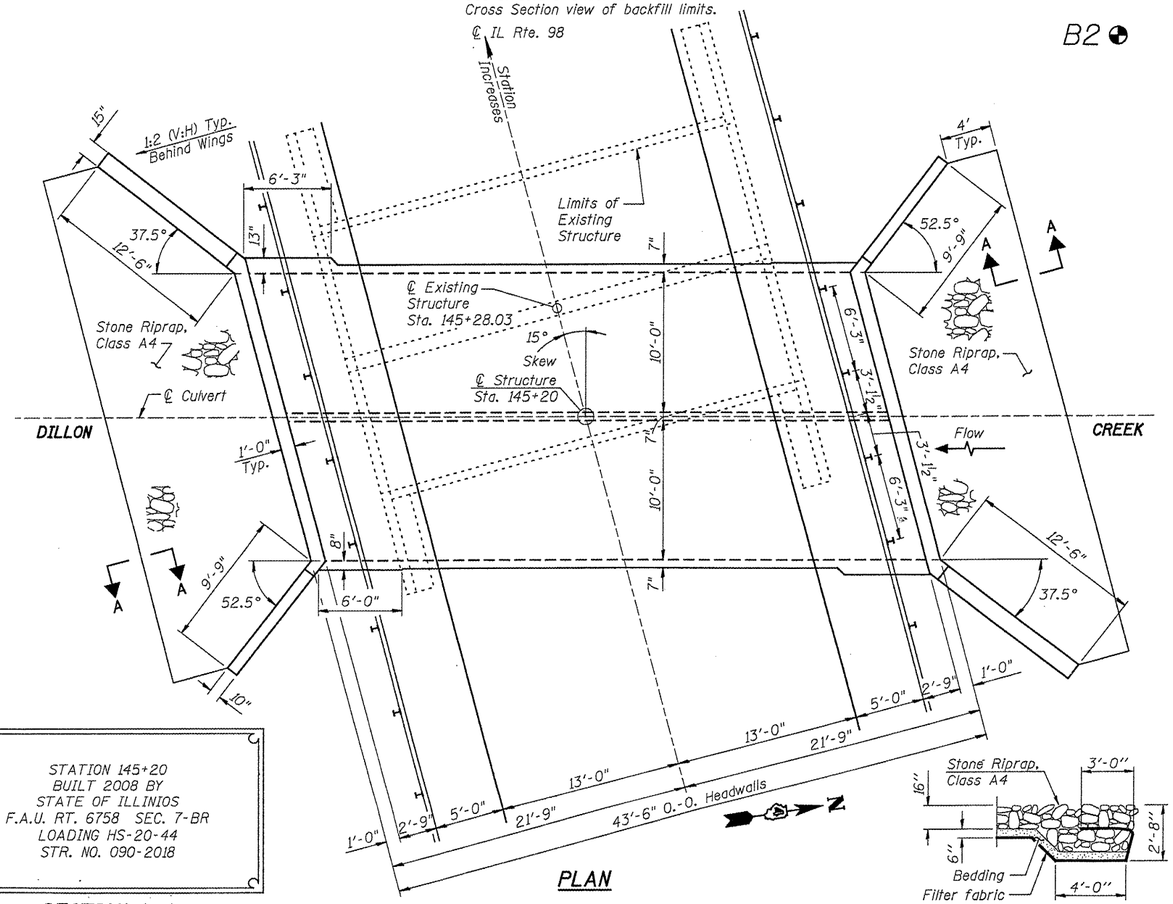
Drainage Area = 0.5 Sq. Mi. Low Grade Elev. = 710.24 (Exist.) @ Sta. 145+00
Low Grade Elev. = 710.73 (Prop.) @ Sta. 145+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	467	88	116	706.80	1.30	1.00	708.10	707.80
Design	50	794	118	136	707.50	1.70	1.30	709.20	708.80
Base	100	916	118	146	707.80	2.00	1.40	709.80	709.20
Overtopping	200	900	118		707.90	2.20		710.10	707.90
Max. Calc.	500	1101		160	708.30	2.50	1.70	710.80	710.00

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	698.25	697.95

B2



PLAN

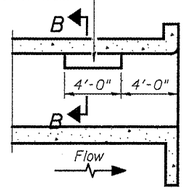
STATION 145+20
BUILT 2008 BY
STATE OF ILLINIOS
F.A.U. RT. 6758 SEC. 7-BR
LOADING HS-20-44
STR. NO. 090-2018

SECTION A-A

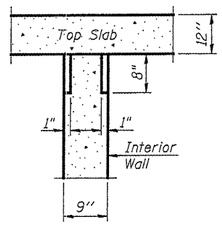
Refer to Sta. 2113

SECTION A-A

Notch formed by rough finished board attached to and removed with formwork, each interior wall. (Do not chamfer).



LONGITUDINAL SECTION



SECTION B-B

APPROVED
For Structural Adequacy Only
Ralph E. Anderson
Engineer of Bridges & Structures

PHOEBE NESTING SITE DETAILS

(Downstream End Only)

BILL OF MATERIAL - CULVERT

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	104.7
Reinforcement Bars	Pound	18,080
Name Plates	Each	1
Stone Riprap, Class A4	Sq. Yd.	83
Filter Fabric	Sq. Yd.	83
Removal of Existing Structures	Each	1

DESIGN SPECIFICATIONS

Design in Accordance with 2002 AASHTO Standard Specifications - 17th ed.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HS-20-44

Allow 50#/sq. ft. for future wearing surface.

GENERAL NOTES:

Layout of Slope Protection System may be varied to suit ground conditions in the field as directed by the Engineer.

Reinforcement Bars shall conform to the requirements of ASTM A706 Gr. 60 (IL Modified). See Special Provisions.

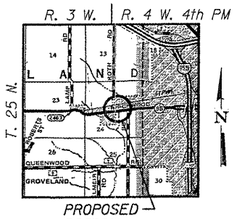
All exposed concrete edges shall be chamfered ¾" unless otherwise noted.

Undercut Excavation & Backfill for Undercut Excavation along with Porous Granular Backfill along sides of Culvert is included in Roadway Plans.

Precast Culvert Alternate is not allowed.

STATE OF ILLINOIS — LICENSED STRUCTURAL ENGINEER — BRIAN K. CONVERSE — 081-005213 — DIXON, ILL.

Brian K. Converse
DATE: 5/2/2008
EXPIRES 11/30/08



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 98 OVER DILLON CREEK
F.A.U. ROUTE 6758 - SEC. 7-BR
TAZEWELL COUNTY
STATION 145+20 STRUCTURE NO. 090-2018

WILLETT, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
Land Surveying - Transportation - Structural
Environmental - Architecture
809 East Second Street Dixon, Illinois 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm #184-000918
www.willetthofmann.com

WHA # 1223D07

Designed By: B. K. Converse Date: 4/ 08
Checked By: M. A. Small Date: 4/ 08
Drawn By: R. D. Allen Date: 4/ 08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6758	7-BR	TAZEWELL	21	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
3 SHEETS

Contract # 68784

(Back)
5-#7 h_3 bars at 10" cts. Short Wing
5-#7 h_3 bars at 10" cts. Long Wing

(Front)
8-#7 h_3 bars at 10" cts. Short Wing
8-#7 h_3 bars at 10" cts. Long Wing

Bend in Field, typ.

s bar (s_1 bar at opposite end)

12" 41'-6" 20'-9" 20'-9"

h_2 9" a_1, a_2, or a_3 a h h_1

℄ Rdwy.

55-#4 v bars at 10" cts.

3" ϕ Drains at ±8'-0" cts.

Const. Jt.

55-#4 v bars at 10" cts. at center

8-#5 h bars at 10" cts.

8-#5 h bars at 10" cts.

10" 6'-6" 3'-7" 11'-1" 7'-6"

Elev.=701.25

Elev.=700.95

d 2" cl. 2'-0" 6" 11" 2'-6" 3'-0"

10-#7 h_4 bars at 10" cts. Long Wing
10-#7 h_5 bars at 10" cts. Short Wing
(Back) (Back)

10-#4 v_1 bars Ea. Wing See Plan View

8"

Culvert Backfill (See Roadway Plans for Schedules)

HALF LONG. SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

Dimensions are at right angles to ℄ Roadway

9" 1'-4" 45°

BARS s

9" 1½" 1'-4" 4½" R 4½"

BARS s_1

3'-0" h_3 h_5 3'-5" 142.5° 5'-0" 2'-4½" h_3 9'-9" 2'-8½" h_5

BARS h_3 & h_5

2'-8½" 127.5° 3'-5" 12'-6"

BARS h_4

21'-9" 6'-6" 3'-0" Symm. about ℄ Culvert

Tilt hook of a bars if necessary for 1½" min. cl.

h_1 a_2 a_3 a_1 1½" cl.

1½" cl. h a Construction Joint 10'-0" 7" 10'-0" 7"

v 10" 6'-6" 11" 2'-1"

1½" cl. h Construction Joint

2" cl. a 6" typ.

h a_2 a_3 a_1 2" cl.

8'-3" DIA. CORRUGATED STEEL PIPE

Varies 2'-0" to 2'-6"

2'-0" 2'-6"

HALF SECTION THRU BARREL
Culvert Backfill (See Roadway Plans for details)

HALF END ELEVATION

Note:
A distance of half the length of the wingwall but not less than six feet the barrel shall be poured monolithically with the wingwalls.

1'-0" R= 6" ¾"△ Drip Notch

AT UPSTREAM END

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

3" x 6" Formed Opening 1'-0" ¼" 3" ¾"△ Drip Notch Full length of Span

AT DOWNSTREAM END

DRAIN DETAIL

15" 12'-6" 6'-3" Back Face 7'-7⅜" 37.5° 13" 9"

℄ Rdwy. 15°

6"x3" Formed Opening 1'-0" 2'-9⅛" ℄ Culvert

Flow

2-#6 h_2 bars in Top of headwall

2-#6 h_2 bars in Bottom of headwall

3-#6 h_2 bars in cutoff wall

10'-7⅞" 21'-9" 22'-6³⁄₁₆" cts. Bott. 22-#4 h_1 bars at 12" cts. Top 35-#5 h bars at 7½" cts. Top

19-#5 h bars at 14" cts. in Top 19-#5 h bars at 14" cts. in Bottom 10'-0" 10'-0" 7"

22'-6³⁄₁₆"

33-#4 a_2 bars at 16" cts. Top Each Span Lap to a_3 bar

60-#7 a bars at 8" cts. Bottom

TOP SLAB

29-#6 a_3 bars at 16" cts. Top over center wall

30-#6 a_1 bars at 16" cts. Top over center wall

Sta. 145+20

30-#6 a_1 bars at 16" cts. Bottom under center wall

29-#6 a_3 bars at 16" cts. Bottom under center wall

BOTTOM SLAB

60-#7 a bars at 8" cts. Top

33-#4 a_2 bars at 16" cts. Bottom-Each Span Lap to a_3 bar

8-#7 a bars at 8" cts. Bottom of Top Slab
8-#7 a bars at 8" cts. Top of Bottom Slab

45'-0³⁄₈" 45°

h_5 below barrel cut to fit as needed

2-#6 a_1 or a_3 bars Top (Each End)

2-#6 a_1 or a_3 bars Bott. (Each End)

2-#6 h_2 bars Top of Bottom Slab

h_4 below barrel cut to fit as needed

22-#4 s bars @ 12" cts. Upstream End
22-#4 s bars @ 12" cts. Downstream End

21-#4 d bars at 12" cts. in cutoff wall

1'-9" 2'-9" BAR d

7" 10" 21'-5" 10" BAR a

9" 7'-8⅞" 52.5° 9'-9" 10" 6'-0" 8" 7"

1½" cl.

h_3 or h_4 v_1

Cut a bars to fit skew. Use balance of bar in opposite end.

SHOWING OUTLINES

SHOWING REINFORCEMENT

PLAN

v_1 1½" cl. 1-#4 v bar (Each Corner) h_3 or h_5 21'-9" 22-#4 s bars @ 12" cts. Upstream End 22-#4 s bars @ 12" cts. Downstream End

h_3 v_1 h_4 or h_5 Back Face Const. Jt. 15" or 10"

SECTION A-A

MIN. BAR LAPS		
SIZE	LAP-BARRELS	LAP-WINGS
#4	1'-4"	1'-8"
#5	1'-8"	2'-2"
#6	2'-0"	2'-7"
#7	2'-9"	3'-5"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	136	#7	23'-1"	
a_1	68	#6	6'-0"	
a_2	132	#4	5'-7"	
a_3	66	#6	13'-0"	
d	42	#4	4'-6"	
h	97	#5	44'-8"	
h_1	22	#4	44'-8"	
h_2	18	#6	22'-2"	
h_3	52	#7	8'-0"	
h_4	20	#7	15'-11"	
h_5	20	#7	13'-2"	
s	22	#4	4'-11"	
s_1	22	#4	4'-9"	
v	169	#4	7'-11"	
v_1	40	#4	10'-9"	
Concrete Box Culverts			Cu. Yd.	104.7
Reinforcement Bars			Pound	18,080

CULVERT DETAILS
ILLINOIS ROUTE 98 OVER DILLON CREEK
F.A.U. ROUTE 6758 - SEC. 7-BR
TAZEWELL COUNTY
STATION 145+20 STRUCTURE NO. 090-2018

WHA #1223D07

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6758	7-BR	TAZEWELL	21	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3
3 SHEETS

Contract # 68784

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 2

Date 6/1/06

ROUTE FAU 6758 (IL 98) DESCRIPTION IL 98 from Morton to N. Pekin Double 10'x8' Culvert @ Dillon Cr. LOGGED BY DLR

SECTION 7RS-6,7-I,8RS-4 LOCATION 1.24mi. W of Morton, SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 090-2501(EXIST)
Station 145+12(EXIST)

BORING NO. 14503
Station 145+03
Offset 46.00ft Lt
Ground Surface Elev. 707.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 699.1 ft
Upon Completion 698.8 ft
After 24 Hrs. 703.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Dark Brown SILTY CLAY
	2			
	4	1.3	23	
	4	P		
703.10				
-5	1			Dark Brown SILTY CLAY/CLAY
	1	0.7	26	
	2	S		
700.60				
	H			Light Grey LOAM with SAND and trace of GRAVEL
	H	<.25	25	
	1			
698.10				
-10	2			Brown, Grey CLAY LOAM TILL
	5	2.7	15	
	7	B		
	2			
	4	1.7	14	
	7	S		
	1			
-15				
	3	1.1	15	
	5	B		
	1			Grey CLAY with 1" soft SILTY LOAM seams
	3	1.1	15	
	5	B		
688.10				
-20	2			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	3	1.0	17	Grey CLAY with 1" soft SILTY LOAM seams *(continued)*
	5	B		
685.60				
-25	2			Grey CLAY with soft SILTY LOAM seams
	3	1.2	15	
	6	B		
	2			
	4			
	6	NO RECOV		
680.60				
	4			Grey CLAY LOAM TILL
	5	1.9	14	
	8	B		
	2			
-30				
	4	1.7	14	
	7	B		
	4			
-35				
	6	1.8	14	
	8	B		
668.10				Grey SILTY LOAM with fine SAND
-40	9			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 2 of 2

Date 6/1/06

ROUTE FAU 6758 (IL 98) DESCRIPTION IL 98 from Morton to N. Pekin Double 10'x8' Culvert @ Dillon Cr. LOGGED BY DLR

SECTION 7RS-6,7-I,8RS-4 LOCATION 1.24mi. W of Morton, SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 090-2501(EXIST)
Station 145+12(EXIST)

BORING NO. 14503
Station 145+03
Offset 46.00ft Lt
Ground Surface Elev. 707.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 699.1 ft
Upon Completion 698.8 ft
After 24 Hrs. 703.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	18		14	Grey SILTY LOAM with fine SAND *(continued)*
666.60	20			
				End of Boring
-45				
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 2

Date 6/2/06

ROUTE FAU 6758 (IL 98) DESCRIPTION IL 98 from Morton to N. Pekin Double 10'x8' Culvert @ Dillon Cr. LOGGED BY DLR

SECTION 7RS-6,7-I,8RS-4 LOCATION 1.24mi. W of Morton, SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 090-2501(EXIST)
Station 145+12(EXIST)

BORING NO. 14522
Station 145+22
Offset 44.00ft Rt
Ground Surface Elev. 707.15 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 699.2 ft
Upon Completion Not Taken ft
After 24 Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Dark Brown SILTY CLAY/CLAY
	H			
	1	0.5	32	
	2	P		
	H			
	2	0.7	24	
697.65	2	B		
-10	H			Brown, Grey CLAY LOAM TILL
	2	2.1	16	
	3	B		
	4			
	8	3.3	15	
	9	S		
	2			
-15				
	6	1.4	14	
	8	S		
	3			
	5	2.5	13	
	8	B		
-20	2			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	5	1.6	14	Brown, Grey CLAY LOAM TILL *(continued)*
	6	B		
	2			
	4	1.2	15	
	6	B		
-25	2			
	5	1.1	14	
	5	B		
	2			
	3	1.2	14	
	6	B		
677.65				
-30	2			Grey CLAY LOAM TILL with some SILTY LOAM seams
	5	1.2	14	
	7	B		
672.65				
-35	4			Grey CLAY TILL with SILT seams
	7	1.2	14	
	9	B		
667.65				Grey CLAY LOAM TILL
-40	2			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 2 of 2

Date 6/2/06

ROUTE FAU 6758 (IL 98) DESCRIPTION IL 98 from Morton to N. Pekin Double 10'x8' Culvert @ Dillon Cr. LOGGED BY DLR

SECTION 7RS-6,7-I,8RS-4 LOCATION 1.24mi. W of Morton, SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 090-2501(EXIST)
Station 145+12(EXIST)

BORING NO. 14522
Station 145+22
Offset 44.00ft Rt
Ground Surface Elev. 707.15 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 698.2 ft
Upon Completion Not Taken ft
After 24 Hrs. ft

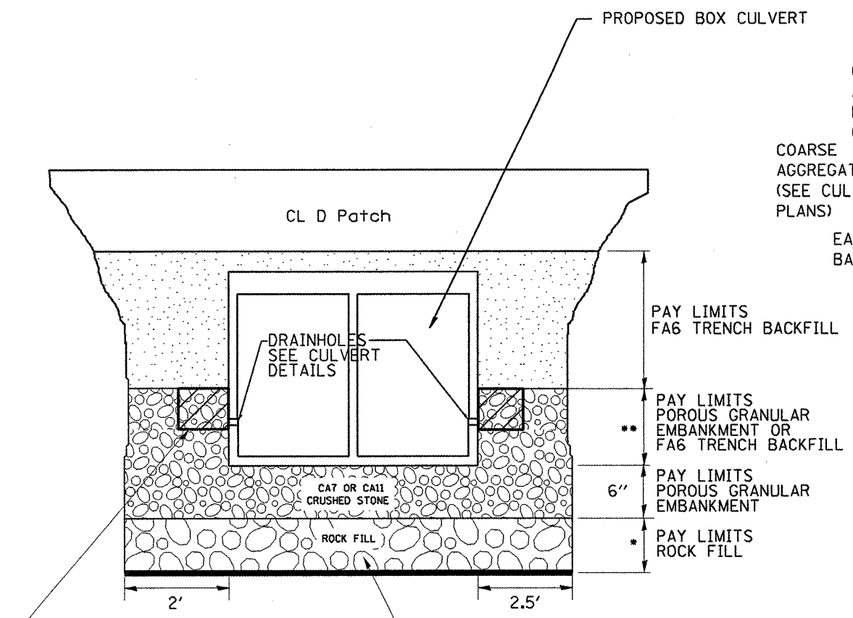
DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	4	1.6	14	Grey CLAY LOAM TILL *(continued)*
	7	B		
-45	3			
	4	1.3	14	
	7			
-50	4			
656.15	7	1.8	13	
	9	B		End of Boring
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

BORING LOGS
ILLINOIS ROUTE 98 OVER DILLON CREEK
F.A.U. ROUTE 6758 - SEC. 7-BR
TAZEWELL COUNTY
STATION 145+20 STRUCTURE NO. 090-2018
WHA #1223D07

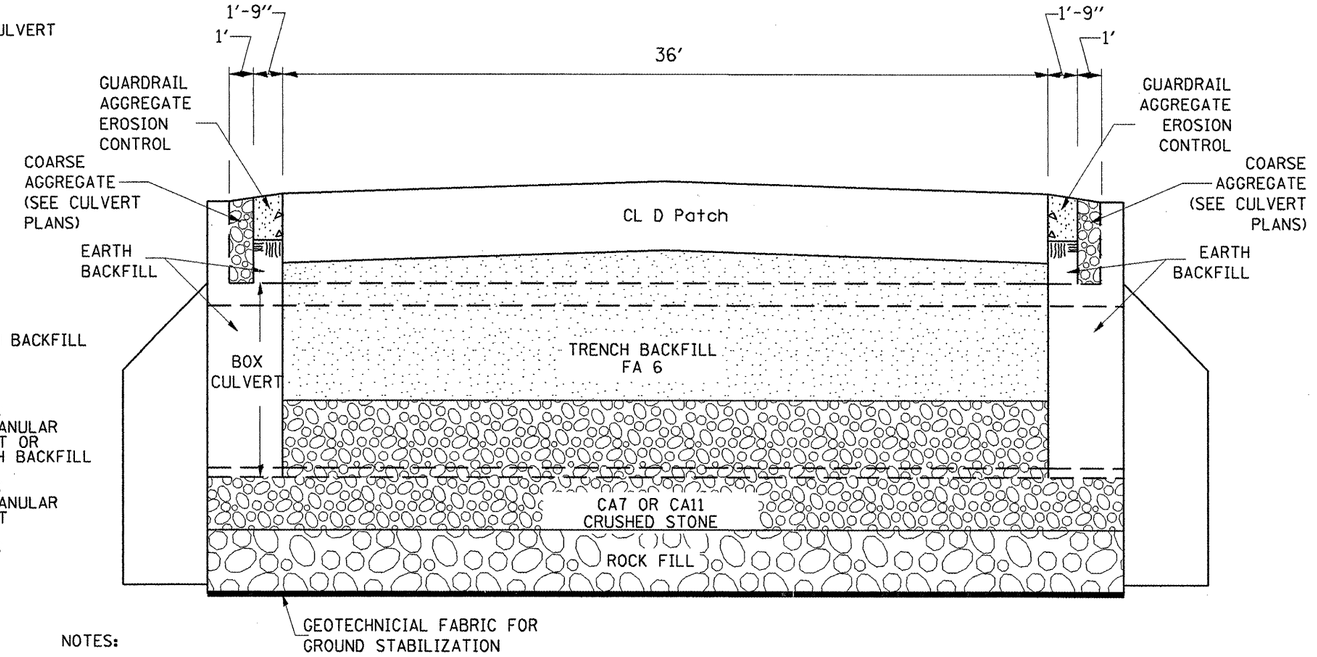
ROADWAY PROFILE VIEW



* VARIABLE 1'-6" LT OF CENTERLINE, 2'-0" RT OF CENTERLINE.

** EXTEND THE POROUS GRANULAR EMBANKMENT TO THE TOP OF THE DRAINHOLE FILTER FABRIC ENVELOPES.

ROADWAY CROSS SECTION VIEW



NOTES:

1. EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
2. TRENCH BACKFILL SHALL BE COMPACTED BY EITHER METHOD 2 OR METHOD 3 SPECIFIED IN ARTICLE 550.07, OR IN ACCORDANCE WITH METHOD 1 SPECIFIED IN ARTICLE 550.07, EXCEPT THAT THE COMPACTED LIFTS SHALL NOT EXCEED 8" IN THICKNESS. TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD LAB DENSITY.

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

Not to Scale

FILE NAME = c:\projects\i198\dilloncreek\profile.dgn	USER NAME = hudelsonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/15/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

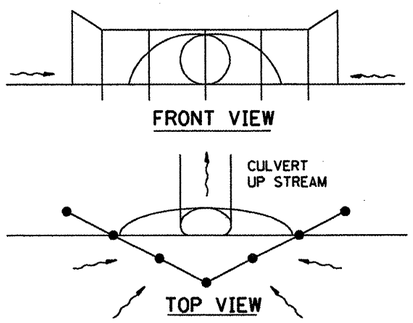
Detail of Excavation and Backfill for Box Culverts

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

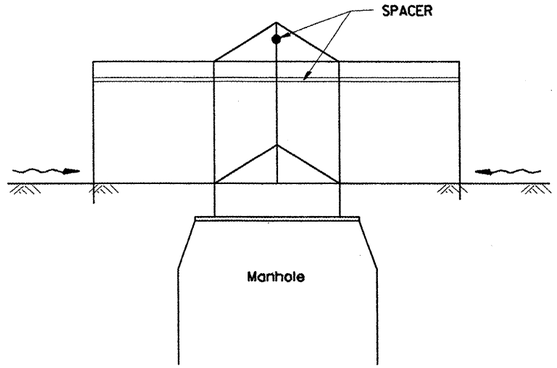
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	11
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68784

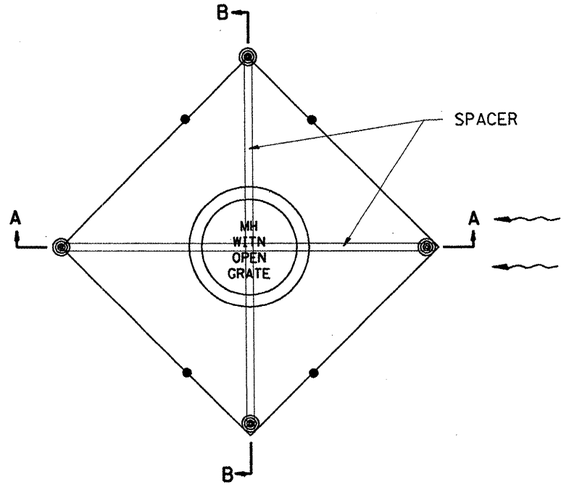
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	T-8R	TAZEWELL	21	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



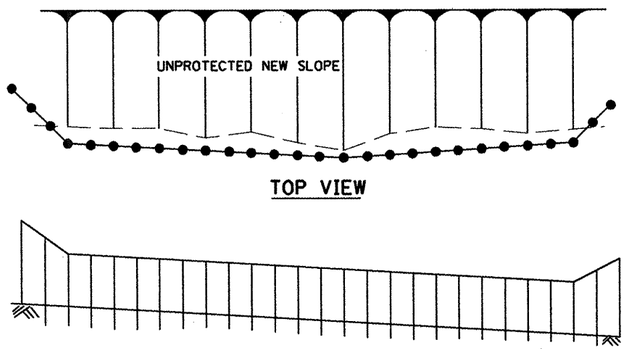
UPSTREAM PIPE CULVERT EROSION CONTROL



SIDE VIEW
A-A

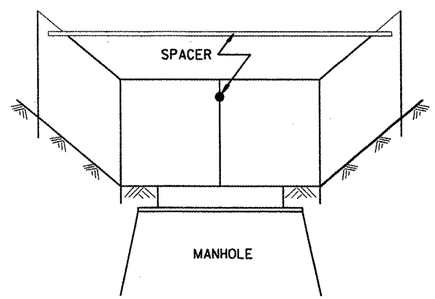


TOP VIEW



TOP VIEW

FRONT VIEW



Front View
B-B

EROSION CONTROL
AT
OPEN GRATE MAN HOLE

GENERAL NOTES:

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

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

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05, NEW REVISION BOX	T.P.
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL SHEET

TYPICAL APPLICATION OF SILT FILTER FENCE

CADD DETAIL 280001-D4
SCALE: NOT DRAWN TO SCALE

DRAWN BY CADD
CHECKED BY

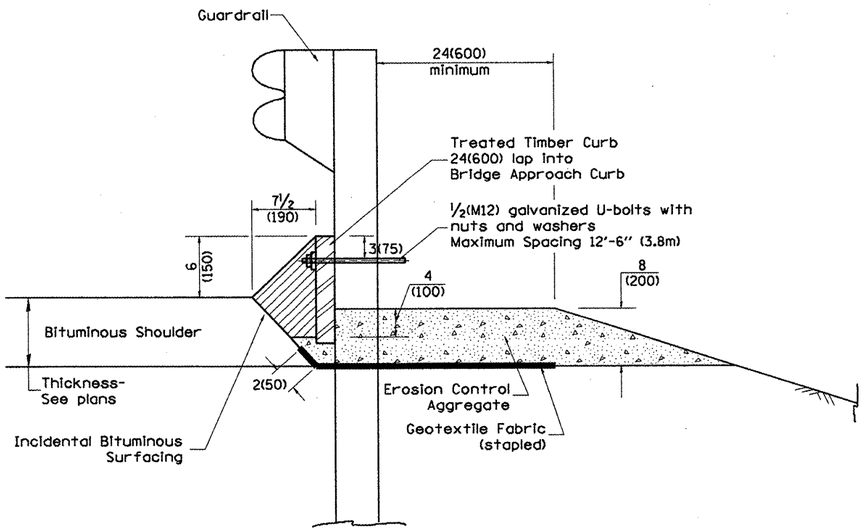
280001-D4

$$DATE$$

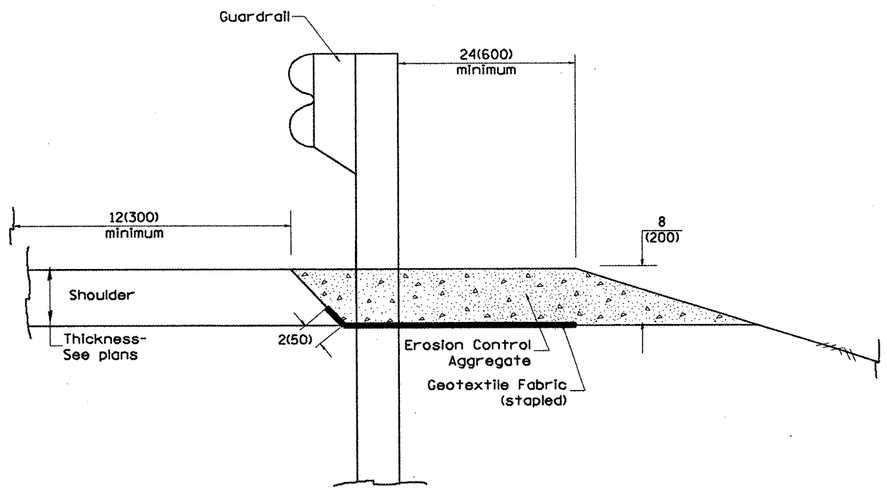
DGN-ONLY

CONTRACT NO. 68784

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: EROSION CONTROL CURB

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.

2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m³)

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.

2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.

3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.

4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.

5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.

6. Materials shall meet the following requirements:

   A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.

   B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

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

DESIGNER NOTE:

$$DATE$$

DGN-ONLY

DATE	REVISIONS	BY
1-1-97	RENUM. C-22.01, NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.
11-3-00	CORRECTION TO NOTES	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL EROSION CONTROL TREATMENTS

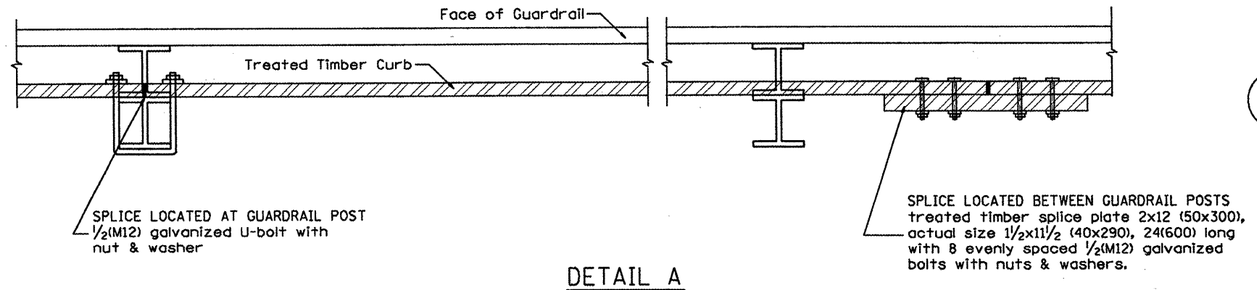
CADD STD NO. 630101-D4(1)
SCALE: NOT DRAWN TO SCALE

SHEET 1 OF 2
DRAWN BY CADD
CHECKED BY

630101-D4(1)

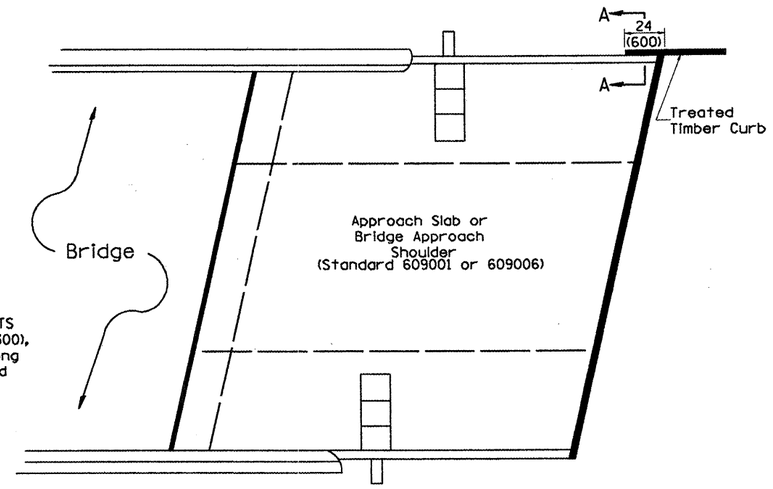
CONTRACT NO. 68784

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



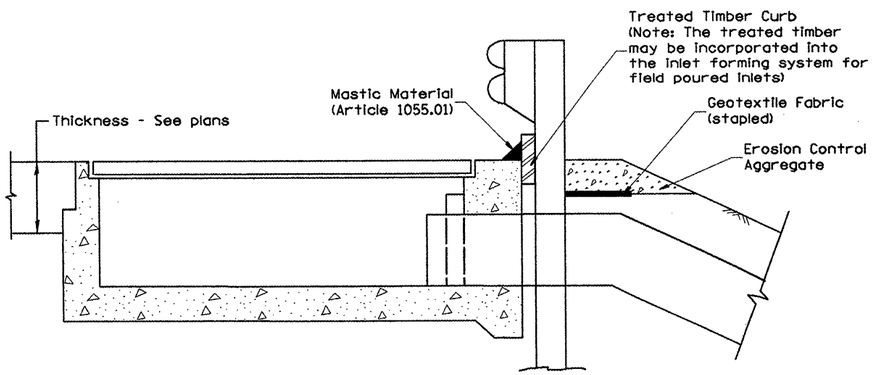
DETAIL A

(Typical Treated Timber Splices)

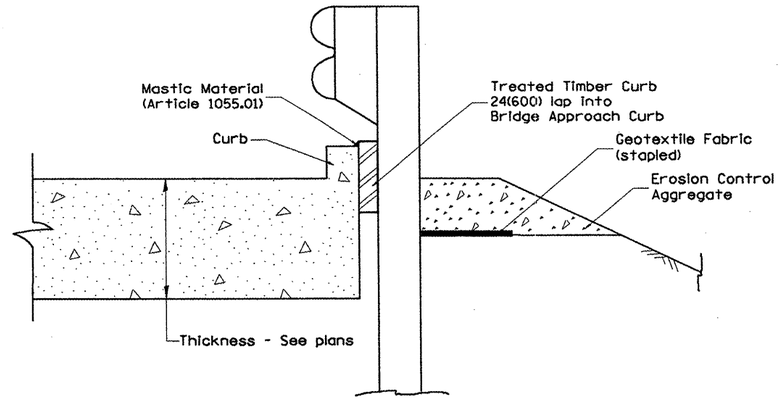


PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



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



SECTION A-A

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL EROSION
CONTROL TREATMENTS

CADD STD NO. 630101-D4(2)
SCALE: NOT DRAWN TO SCALE

SHEET 2 OF 2
DRAWN BY CADD
CHECKED BY

$$DATE$$

DGN-ONLY

630101-D4(2)

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

715

710

142 + 75.00

cut =8.2 fill = 10.2

715

710

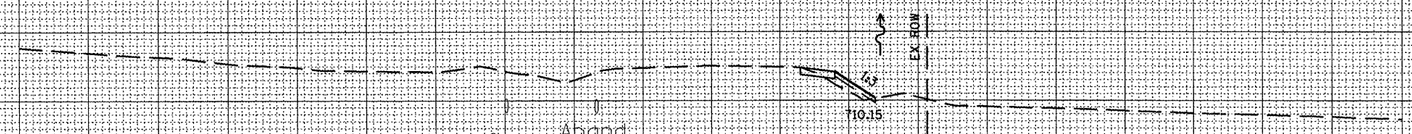
142 + 50.00

cut =6.2 fill = 8.1

715

710

142 + 25.00



cut =0.1 fill = 2.5

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ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
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NO. AREAS CHECKED		

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SURVEYED		
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AREAS		
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	PLOT DATE = 4/11/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 142+25.00 TO STA. 142+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	15
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

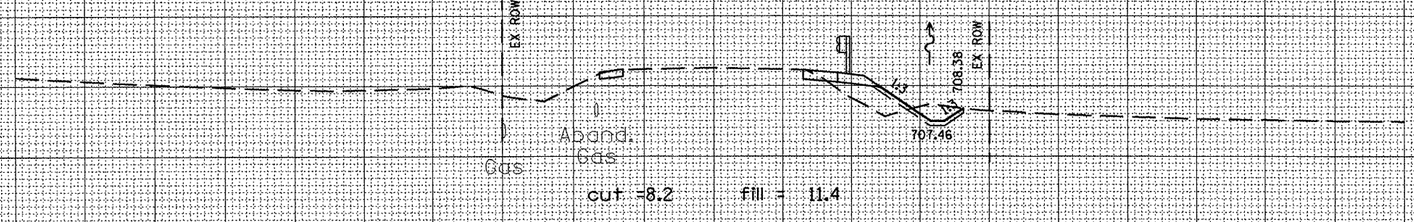
715
710

143 + 50.00

cut =8.4 fill = 14.1

715
710
705

143 + 25.00



cut =8.2 fill = 11.4

715
710
705

143 + 00.00

cut =8.0 fill = 10.6

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 143+00.00 | TO STA. 143+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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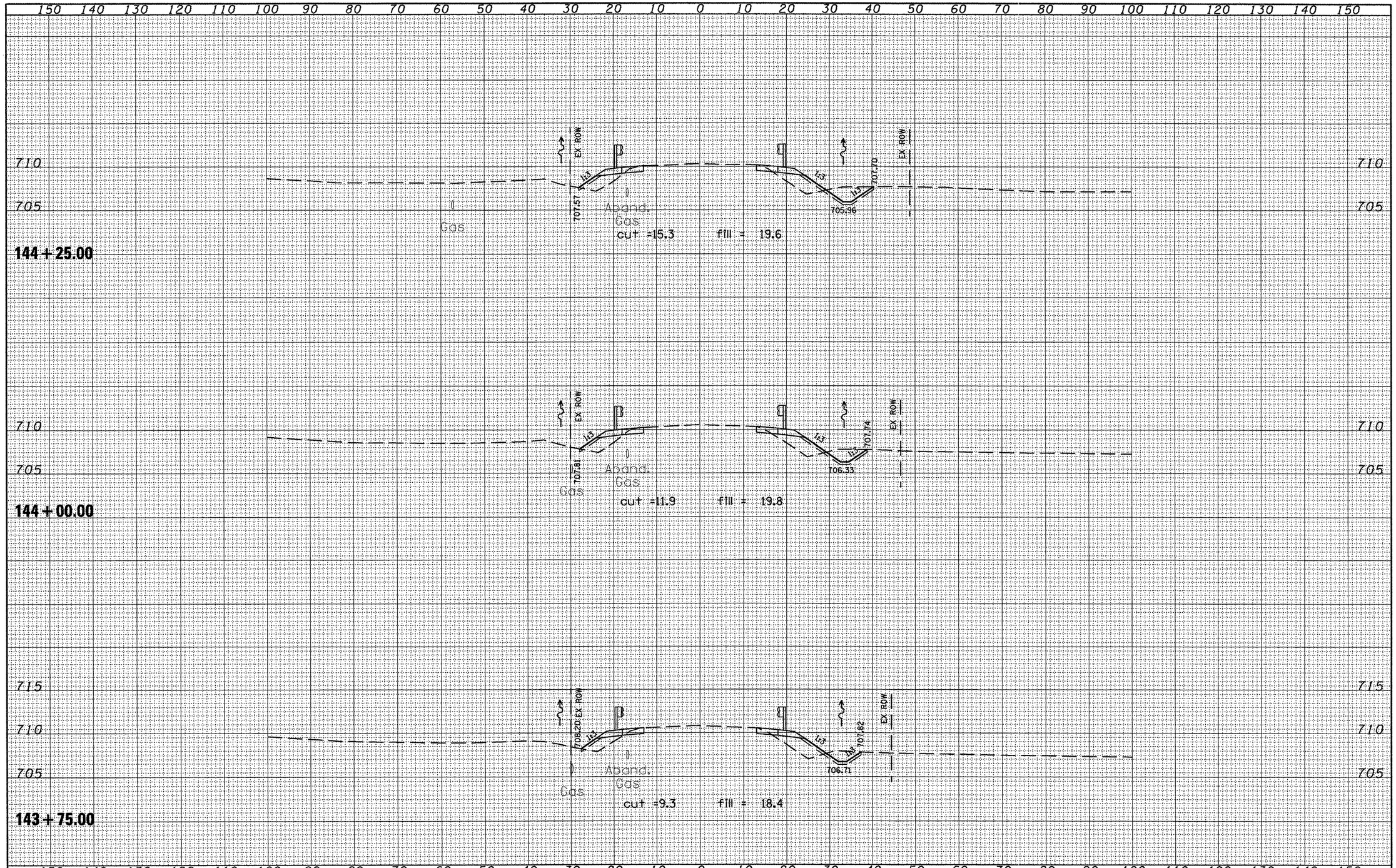
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 143+75.00 TO STA. 144+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	17
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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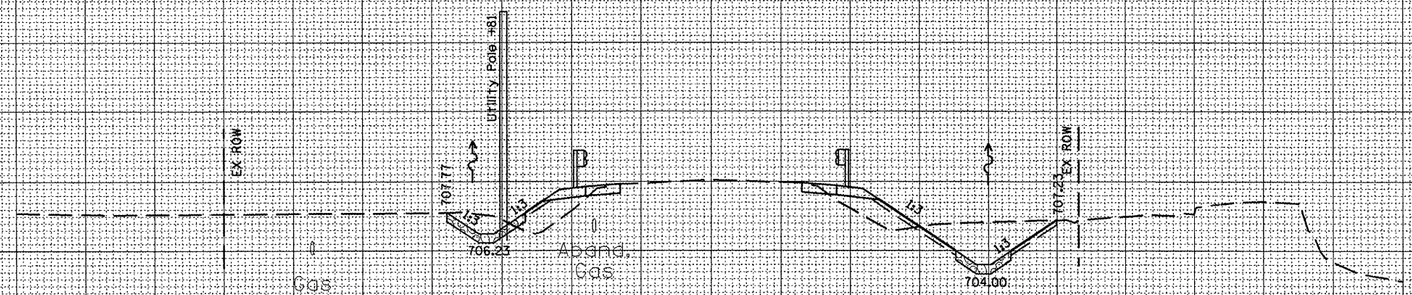
720
715
710
705

144 + 75.00



cut =57.8 fill = 23.3

144 + 50.00

cut =14.5 fill = 20.6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 144+50.00 | TO STA. 144+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	18
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
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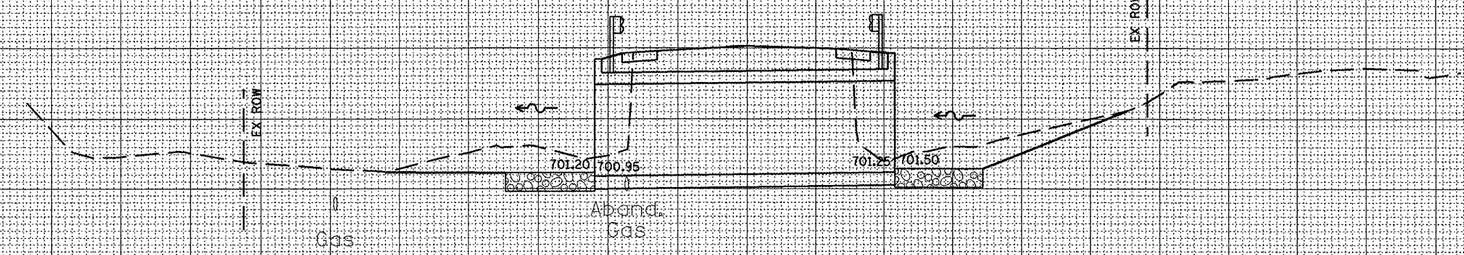
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

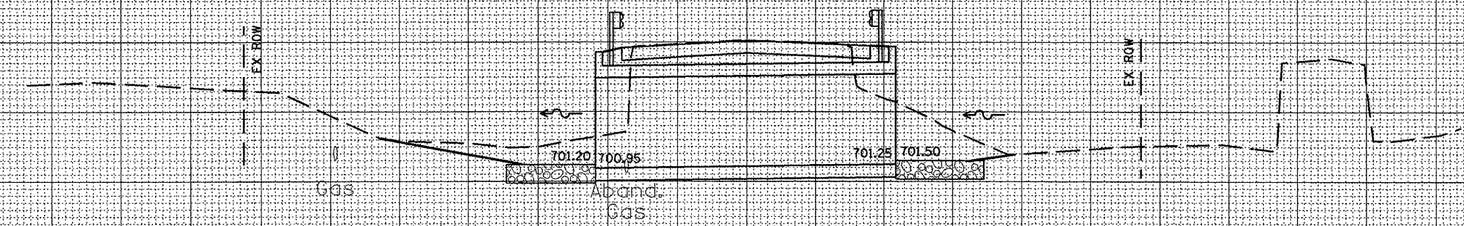
710
705

145+25.37



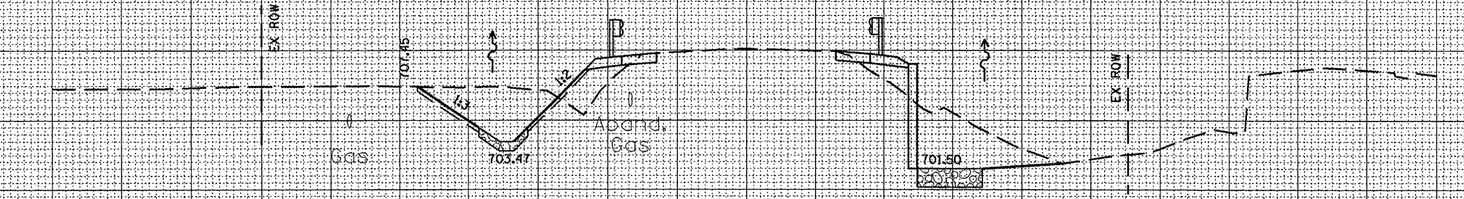
710
705

145+14.62



710
705
700

145+00.00



cut =53.4 fill = 20.7

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 145+00.00 TO STA. 145+25.37

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	19
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	AS-STAKED		
NOTE BOOK	PLOTTED		
	TEMPLATE AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	AS-STAKED		
NOTE BOOK	PLOTTED		
	TEMPLATE AREAS		
NO.	AREAS CHECKED		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

710
705

146 + 00.00

EX ROW — 706.74 — E3 — 1:4 — Aband. Gas — 1:4 — 707.10 — EX ROW

705.04 — 705.93

cut =24.9 fill = 33.1

715
710
705

145 + 75.00

EX ROW — 707.59 — E3 — 1:4 — Aband. Gas — 1:4 — E3 — 707.16 — EX ROW

704.67 — 705.34

cut =54.6 fill = 36.3

710
705
700

145 + 50.00

EX ROW — 705.75 — E3 — 1:4 — Aband. Gas — 4:1 — E3 — 707.21 — EX ROW

701.22 — 703.80

cut =165.4 fill = 25.4

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	PLOT DATE = 4/11/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 145+50.00 TO STA. 146+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	20
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

710
705

EX ROW
706.71
706.71
EX ROW
Abond. Gas
Gas
cut =0.9 fill = 0.0

146 + 75.00

710
705

EX ROW
705.81
1:4
1:4
1:3
707.14
706.43
EX ROW
Abond. Gas
Gas
cut =10.5 fill = 41.3

146 + 50.00

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

710
705

EX ROW
706.44
705.42
1:4
1:4
1:3
707.23
706.18
EX ROW
Abond. Gas
Gas
cut =17.4 fill = 35.4

146 + 25.00

FILE NAME = c:\projects\1198\dillancreek\xsecsheet.dgn	USER NAME = hudelsonne	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 4/11/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Cross Sections

SCALE: | SHEET NO. OF SHEETS | STA. 146+25.00 TO STA. 146+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6758	7-BR	TAZEWELL	21	21
		CONTRACT NO. 68784		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		