11-17-06 Letting, Item 039

68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	1

PROJECT ENGINEER: MAUREEN ADDIS (309) 671-3454

DESIGNER: LEONEL CRESPO (309) 671-3459

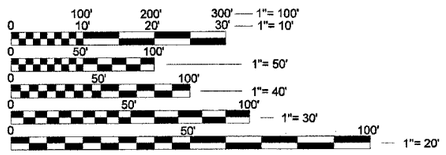
INDEX OF SHEETS:

LIST OF STANDARDS:

280001-02	610001-02	701001-01	
420001-06	630001-06	701006-02	702001-06
420401-05	630301-03	701011-01	704001-02
503001-02	631031-05		780001-01
515001-02	635006-02	701301-02	781001-02
542401	635011-01	701306-01	886001
542511	666001	701311-02	
609001-02	667101	701321-08	

DESIGN DESIGNATION

CURRENT ADT = 4,900 (2003)
SU =
MU = 11.2 %
MAJOR COLLECTOR (RURAL)
POSTED SPEED = 55 MPH



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

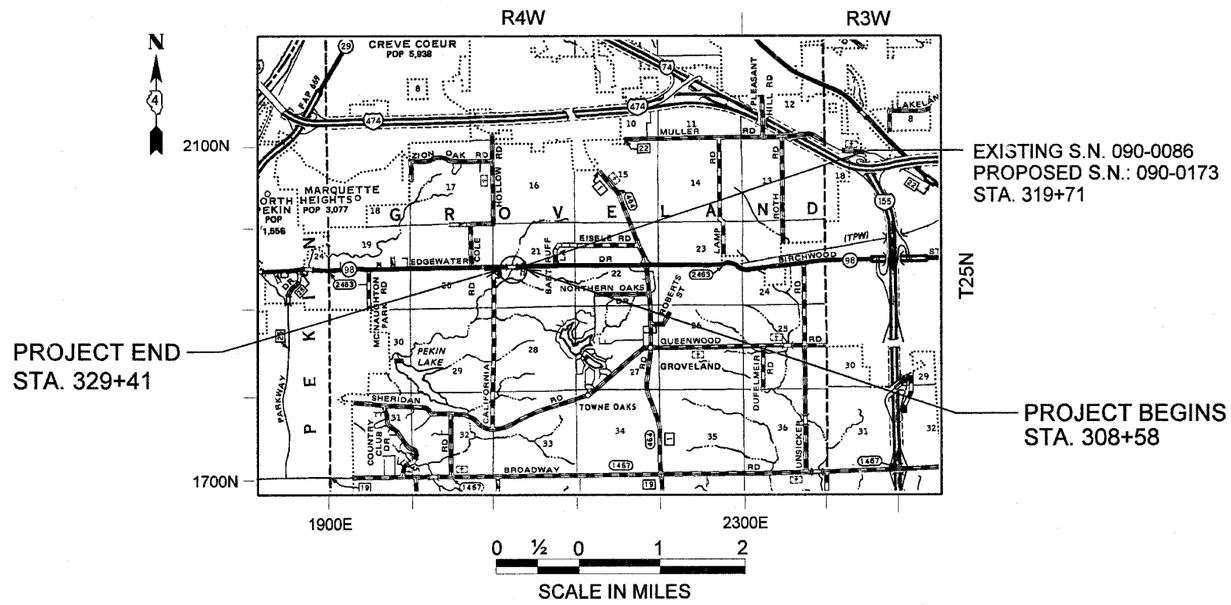
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 68247

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAU ROUTE 6769 (IL 98)
SECTION (8B)BR-4
TAZEWELL COUNTY
C-94-068-02
PROJECT M-6769(002)



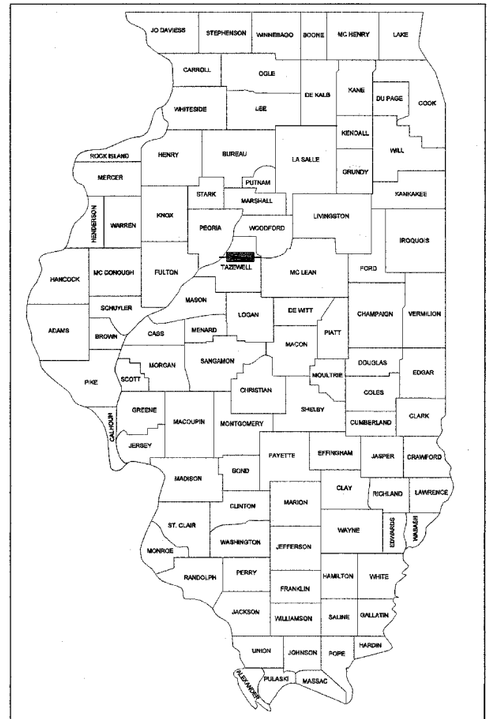
GROSS LENGTH OF SECTION = 2,082 FEET = 0.394 MILES
NET LENGTH OF SECTION = 2,082 FEET = 0.394 MILES

NPDES REQUIRED

QC/QA BITUMINOUS

BITUMINOUS SUPERPAVE

D-94-056-02



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug 21, 20 06
Mark E Crane
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 13, 20 06
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT
October 13, 20 06
Milton R Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	2
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

COMMITMENTS

No commitments have been made :

DESIGN CRITERIA

This project was designed in accordance with Chapter 38 of the BDE Manual, and the procedures, and Guidelines of the Culvert Design Manual.

GENERAL NOTES:

ENVIRONMENTAL REVIEWS

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

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

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

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
* Color photographs depicting the use area

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

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.

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.

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.

UTILITIES - LOCATIONS / INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown --- all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

TREE REMOVAL - UTILITY RELOCATION

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activites or incomplete utility relocations.

SEEDING - SIDESLOPE RIPPING

All slopes steeper than 3 to 1 and over 4.5m (15 ft) in height shall be ripped. This shall consist of ripping between 450mm to 600mm (18 inches to 24 inches) deep normal to the slope. The interval of ripping along the slope shall be 3.6m (12ft). This work shall be done after the seed bed has been prepared but before any fertilizer or seed has been applied. The fertilizer and seed shall be applied within a 24-hours period after ripping has been done. This work will not be paid for separately but will be included in the cost of various items of seeding involved.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	3
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES (CONT.):

PROPERTY OWNER ACCESS REQUIREMENT

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

TREE REMOVAL

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

AGGREGATE (DESCRIPTION), TYPE B

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

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 wide, 5 inches high and 5/8 inch deep.

The pavement station numbres shall be installed as specified herein:

Interval - 200 feet (English stationing)

Bottom of Numbers - 6 inches 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 pavement stations shall use this format XXX+00, 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.

BUTT JOINT CUTTING TIME RESTRICTION

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

PAVING SURFACE COURSE

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

SETTING OF DISK

All ties for the section corners shown shall be located in the field and verified by a licensed land surveyor prior to any construction in the area. The section corners shall be reset at the direction of a licensed land surveyor after all construction operations are complete. It shall be the responsability of the surveyor to file a new monument record in the Tazewell County Courthouse, which ever is applicable.

A copy of all drawings or monument records produced from this project shall be sent to the Chief of Surveys, Illinois Department of Transportation, District 4, Peoria.

The supplying, drilling, setting of disks, professional services, labor and any additional work required to perform this work shall be paid for under pay item 66700305.

Refer to plan sheet No. 19 for the locations and plan sheet No. 76 for the standard drawing.

All type II markers as shown on the standard shall be cast-in-place and not precast.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. HORIZ.

DRAWN BY

DATE

CHECKED BY

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	4
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

MIXTURE USE(S)	Mainline Surface Course	Mainline Binder (Build Up Area)	Leveling Binder	Bituminous Shoulder (Surface Lift)	Bituminous Shoulder (Bottom Lift)	Temporary Pavement
AC/PG:	PG 64-22	PG 64-22	SBS 76-22	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX):	15%	25%	0%	30 %	30 %	25%
DESIGN AIR VOIDS	4.2 @ N des 50	4.2 @ N des 50	4.0 @ N des 50	3.0 @ N des 30	4.0 @ N des 30	4.2 @ N des 50
MIXTURE COMPOSITION:	IL 9.5 or IL 12.5	IL 19.0	IL 4.75	IL 9.5 L	IL 19.0 L	IL 19.0
FRICTION AGGREGATE:	Mixture D	N/A	N/A	MIXTURE C	N/A	N/A

STATUS OF UTILITIES

INSIGHT CABLE

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
IL 98	32' Rt.	309+00	Aerial Cable TV	Ditch Cut	Caution
IL 98	32' Rt.	310+63	Aerial Cable TV	Ditch Cut	Relocate
IL 98	32' Rt.	308+90	Aerial Cable TV	Ditch Cut	Caution
IL 98	32' Rt.	310+63	Aerial Cable TV	Ditch Cut	Relocate
IL 98	31' Lt.	313+47	Aerial Cable TV	Cut	Caution
IL 98	35' Rt.	313+47	Aerial Cable TV	Cut	Relocate
IL 98	35' Rt.	314+75	Aerial Cable TV	Cut	Relocate
IL 98	30' Rt.	315+70	Aerial Cable TV	Cut	Relocate
IL 98	32' Rt.	318+56	Aerial Cable TV	Fill	Relocate
IL 98	31' Lt.	318+85	Aerial Cable TV	Backslope	Relocate
IL 98	32' Rt.	321+35	Aerial Cable TV	Cut	Relocate
IL 98	30' Lt.	321+40	Aerial Cable TV	Cut	Relocate

AMERENCILCO

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
IL 98	32' Rt.	309+00	Power Pole	Ditch Cut	Caution
IL 98	32' Rt.	310+63	Power Pole	Ditch Cut	Relocate
IL 98	32' Rt.	308+90	Power Pole	Ditch Cut	Caution
IL 98	32' Rt.	310+63	Power Pole	Ditch Cut	Relocate
IL 98	31' Lt.	313+47	Power Pole	Cut	Caution
IL 98	35' Rt.	313+47	Power Pole	Cut	Relocate
IL 98	35' Rt.	314+75	Power Pole	Cut	Relocate
IL 98	30' Rt.	315+70	Power Pole	Cut	Relocate
IL 98	32' Rt.	318+56	Power Pole	Fill	Relocate
IL 98	31' Lt.	318+85	Power Pole	Backslope	Relocate
IL 98	32' Rt.	321+35	Power Pole	Cut	Relocate
IL 98	30' Lt.	321+40	Power Pole	Cut	Relocate

GROVELAND TOWNSHIP WATER DISTRICT

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
IL 98	28' Rt.	308+75 to 310+90	Water Main	Cut	Relocate
IL 98	28' to 40' Rt.	310+90 to 316+25	Water Main	Cut	Relocate
IL 98	40' to 42' Rt.	316+25 to 321+25	Water Main	Cut	Relocate
IL 98	40' to 32' Rt.	321+25 to 323+00	Water Main	Cut	Relocate
IL 98	30' Rt.	323+00 to 329+85	Water Main	Cut	Relocate

VILLAGE OF MORTON

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
IL 98	30' to 42' Lt.	312+13	1-1/4" Gas Main	Cut	Caution
IL 98	23' to 34' Lt.	319+00 to 320+50	6" Abandoned Gas Main	Bridge	Caution

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & STATUS OF UTILITIES

SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	5
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY 1000-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	42	42	
20100500	TREE REMOVAL, ACRES	ACRE	1.1	1.1	
20101700	SUPPLEMENTAL WATERING	UNIT	10	10	
20200100	EARTH EXCAVATION	CU YD	4,667	4,667	
20300100	CHANNEL EXCAVATION	CU YD	2,508	2,508	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	207		207
* 21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	6,909	6,909	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	190	190	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	190	190	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	190	190	
* 25001700	SEEDING, CLASS 3 (MODIFIED)	ACRE	2.11	2.11	
* 25100115	MULCH, METHOD 2	ACRE	2.11	2.11	
25100630	EROSION CONTROL BLANKET	SQ YD	1,030	1,030	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	425	425	
28000300	TEMPORARY DITCH CHECKS	EACH	33	33	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY 1000-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
28000400	PERIMETER EROSION BARRIER	FOOT	107	107	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100107	STONE RIPRAP, CLASS A4	SQ YD	1,235	1,235	
28100109	STONE RIPRAP, CLASS A5	SQ YD	1,980	368	1,612
28100125	STONE RIPRAP, CLASS B3	SQ YD	248	248	
28102630	STONE RIPRAP DITCH CHECKS	EACH	8	8	
28200200	FILTER FABRIC	SQ YD	3,462	1,850	1,612
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	326	326	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	173	173	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.7	3.7	
40600300	AGGREGATE (PRIME COAT)	TON	17	17	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	449	449	
40600990	TEMPORARY RAMP	SQ YD	58	58	
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	36	36	
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	240	240	

* SPECIALTY ITEM

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	6
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
42001430	**BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)**	**SQ YD**	**48**	**48**	
44000003	BITUMINOUS SURFACE REMOVAL 3/4"	**SQ YD**	**4,538**	**4,538**	
44000100	PAVEMENT REMOVAL	SQ YD	755	755	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	5.3	5.3	
44000400	GUTTER REMOVAL	FOOT	929	929	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	537	537	
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	1,092	1,092	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	2.4	2.4	
50104400	CONCRETE HEADWALL REMOVAL	EACH	5	5	
50200100	STRUCTURE EXCAVATION	CU YD	100		100
50300225	CONCRETE STRUCTURES	CU YD	39.9		39.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	143.3		143.3
50300260	BRIDGE DECK GROOVING	SQ YD	332		332
50300300	PROTECTIVE COAT	SQ YD	427		427

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
50401105	FURNISHING AND ERECT. PREC. PRESTRESSED CONC. I-BEAMS, 54 IN.	FOOT	519		519
50500505	STUD SHEAR CONNECTORS	EACH	120		120
50800105	REINFORCEMENT BARS	POUND	2,036	2,036	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	34,610		34,610
51100300	SLOPE WALL 6 INCH	SQ YD	123		123
51201700	FURNISHING STEEL PILES HP 12 X 74	FOOT	515		515
X0325278	DRIVING PILES	FOOT	515		515
51203700	TEST PILE STEEL HP 12 X 74	EACH	2		2
51500100	NAME PLATES	EACH	1		1
54002020	EXPANSION BOLTS 3/4 INCH	EACH	20	20	
54003000	CONCRETE BOX CULVERTS	CU YD	16	16	
54213447	END SECTIONS 12"	EACH	2	2	
54215550	METAL END SECTIONS 15"	EACH	10	10	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	184	184	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	92		92

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	7
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
60100945	PIPE DRAINS 12"	FOOT	91	91	
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	153		153
60244240	GRATED INLET, SPECIAL	EACH	1	1	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	65.1	65.1	
60602600	CONCRETE GUTTER, TYPE A (MODIFIED)	FOOT	911	911	
60900240	TYPE C INLET BOX, STANDARD 609006	EACH	2	2	
60900515	CONCRETE THRUST BLOCKS	EACH	2	2	
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	525	525	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	473	473	
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	25	25	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	25	25	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1		1
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	3	3	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
66700605	PERMANENT SURVEY TIES	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	188	188	
70300200	TEMPORARY PAVEMENT MARKING	FOOT	4,407	4,407	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,454	1,454	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	630	630	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	590	590	
* 70500100	TEMPORARY STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	75	75	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,453	6,453	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	26	26	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	1		1

*SPECIALTY ITEM

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	8
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
78200410	**GUARDRAIL MARKERS, TYPE A**	**EACH**	**10**	**10**	
78200420	**GUARDRAIL MARKERS, TYPE B**	**EACH**	**4**		**4**
78201000	**TERMINAL MARKER - DIRECT APPLIED**	**EACH**	**4**	**4**	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	24	24	
* A2C005G3	TREE, ACER SACCHARUM (SUGAR MAPLE), CONTAINER GROWN, 3-GALLON	EACH	8	8	
* A2C015G3	TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON	EACH	8	8	
* A2C022G3	TREE, CARYA ILLINOENSIS (PECAN), CONTAINER GROWN, 3-GALLON	EACH	10	10	
* A2C025G3	TREE, CERCIS CANADENSIS (REDBUD), CONTAINER GROWN, 3-GALLON	EACH	10	10	
* A2C036G3	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), CONTAINER GROWN, 3-GALLON	EACH	6	6	
* A2C049G3	TREE, QUERCUS ALBA (WHITE OAK), CONTAINER GROWN, 3-GALLON	EACH	10	10	
* A2C050G3	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 3-GALLON	EACH	8	8	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071-2A Tazewell Co.
* A2C056G3	TREE, QUERCUS MACROCARPA (BUR OAK), CONTAINER GROWN, 3-GALLON	EACH	10	10	
X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	171	171	
X0321475	PIPE ELBOW, 12"	EACH	4	4	
X0323260	SEDIMENT BASIN	EACH	1	1	
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,123		1,123
X0712400	TEMPORARY PAVEMENT	SQ YD	307	307	
X2510630	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	526	526	
X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N 50	TON	465	465	
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0 N 50	TON	265	265	
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	232	232	
X5013800	PIPE CULVERT REMOVAL	EACH	4	4	
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	1,614		1,614
X7016500	TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	EACH	1	1	

* SPECIALTY ITEM

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	9
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071 -2A Tazewell Co.
Z0002600	BAR SPLICERS	EACH	338		338
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0020800	EROSION CONTROL CURB	FOOT	450	450	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
X0325569	TEMPORARY BRIDGE TRAFFIC SIGNALS RESIDENTIAL APPROACH	EACH	2	2	
X0324028	GROUT FOR USE WITH RIPRAP	CUYD	42		42

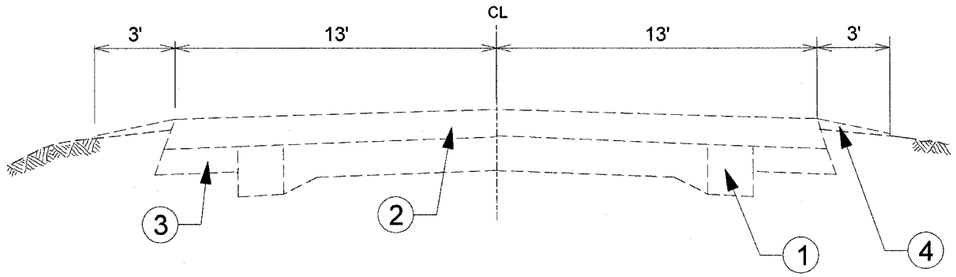
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNITS	TOTAL QUANTITY (80% Fed. - 20% St.)	ROADWAY IOOO-2A Tazewell Co.	S.N. 090-0173 X071 -2A Tazewell Co.

SFTY-3N

CONTRACT NO.68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	10
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

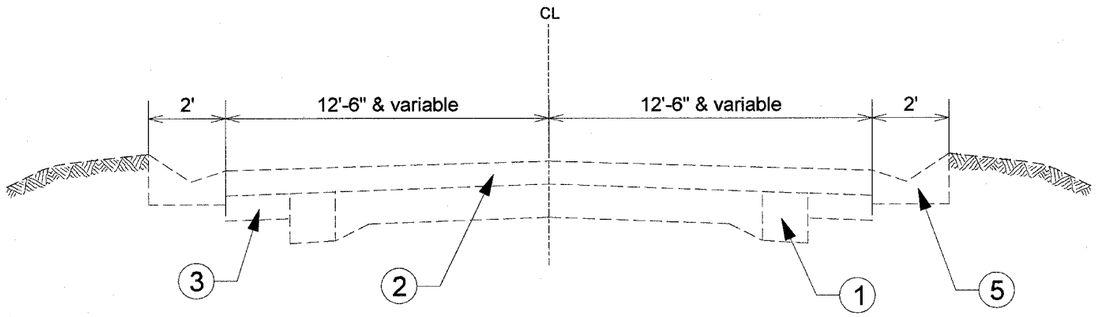
MAIN LINE IL 98



Lt. Sta. 309+00 to 313+07.8
Lt. Sta. 320+79.5 to 321+49.8
Lt. Sta. 315+81.1 to 318+55.2
Lt. Sta. 323+51.8 to 329+00

Rt. Sta. 309+00 to 312+96.8
Rt. Sta. 320+79.5 to 321+84.7
Rt. Sta. 315+77.5 to 318+55.2
Rt. Sta. 323+57.9 to 329+00

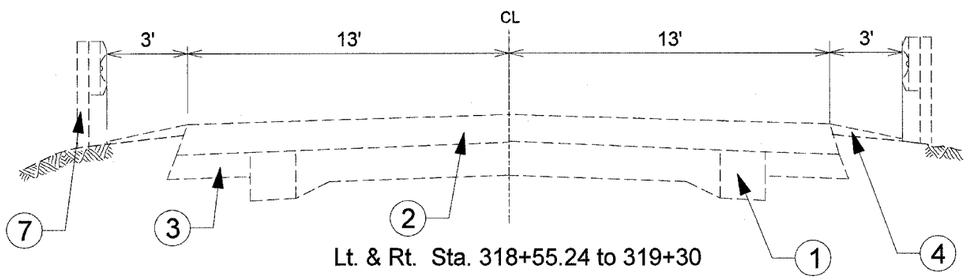
MAIN LINE IL 98



Lt. Sta. 313+07.8 to 315+81.1
Lt. Sta. 321+49.8 to 323+51.8

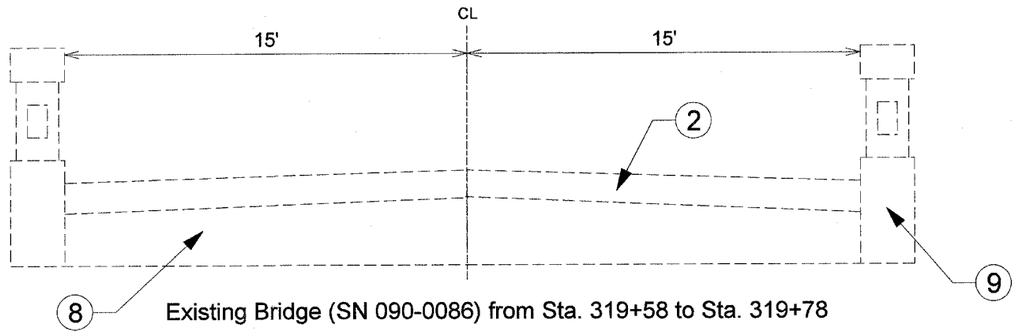
Rt. Sta. 312+96.8 to 315+77.5
Rt. Sta. 321+84.7 to 323+57.9

MAIN LINE IL 98



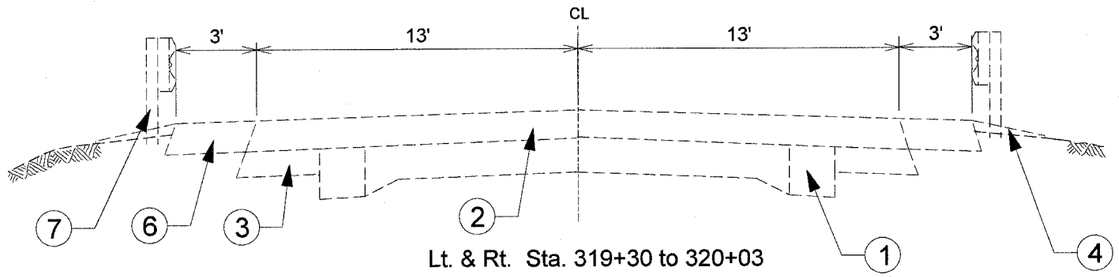
Lt. & Rt. Sta. 318+55.24 to 319+30
Lt. & Rt. Sta. 320+03 to 320+79.5

MAIN LINE IL 98



Existing Bridge (SN 090-0086) from Sta. 319+58 to Sta. 319+78

MAIN LINE IL 98



Lt. & Rt. Sta. 319+30 to 320+03

LEGEND:

1. Existing Concrete Pavement
2. Existing Bituminous Overlay
3. Existing Bituminous Widening
4. Existing Aggregate Shoulders
5. Existing PCC Gutter
6. Existing Bituminous Shoulders
7. Existing Guardrail
8. Existing Bridge Deck
9. Existing Parapet Wall

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING
TYPICAL SECTION

SCALE: VERT.
HORIZ.
DATE

DRAWN BY: LCE
CHECKED BY

PLOT DATE = 8/21/2006
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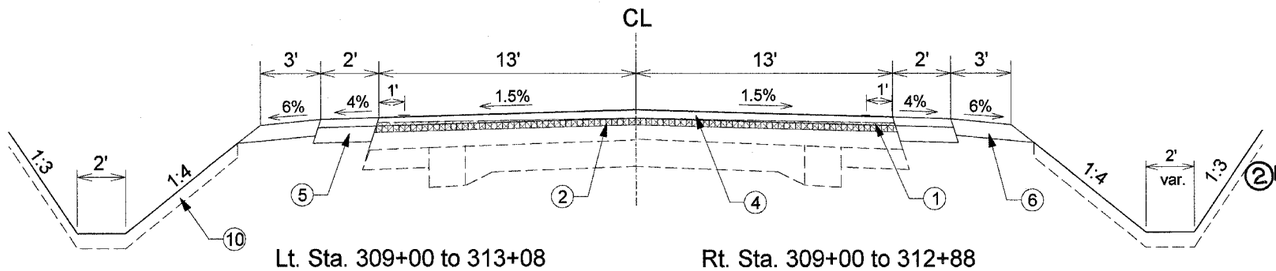
PLOT SCALE = 50.0000 ' / IN.
USER NAME = brooktm

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	11
STA. 308+56		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

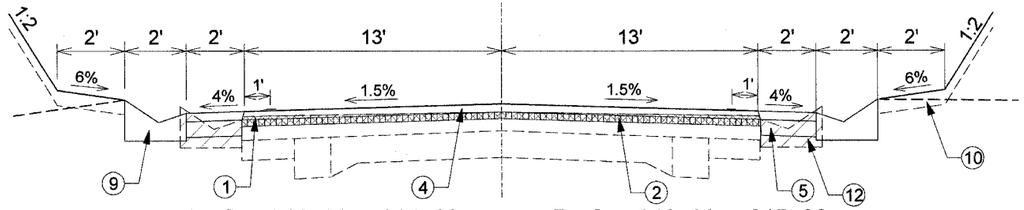
MAIN LINE IL 98



Lt. Sta. 309+00 to 313+08
Lt. Sta. 315+86 to 317+24.9
Lt. Sta. 325+08.9 to 329+21

Rt. Sta. 309+00 to 312+88
Rt. Sta. 325+55.2 to 329+21

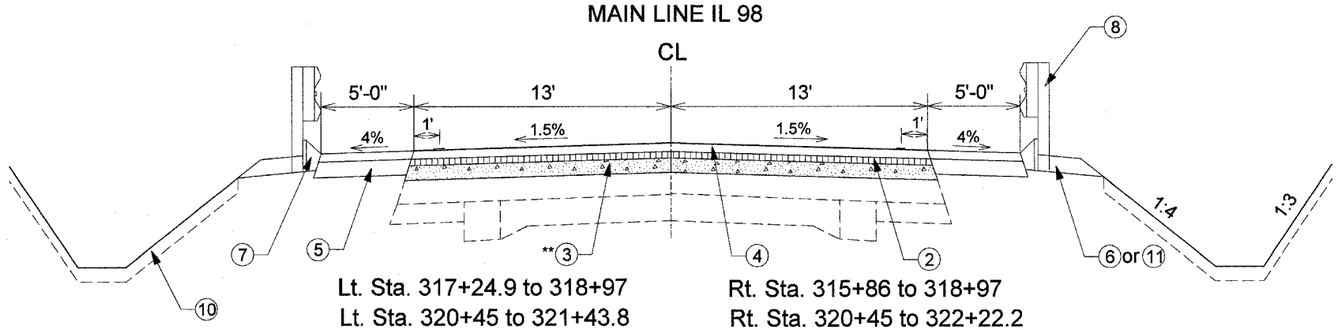
MAIN LINE IL 98



Lt. Sta. 313+08 to 315+86
Lt. Sta. 321+43.8 to 325+08.9

Rt. Sta. 312+88 to 315+86
Rt. Sta. 322+22.2 to 325+55.2

MAIN LINE IL 98



Lt. Sta. 317+24.9 to 318+97
Lt. Sta. 320+45 to 321+43.8

Rt. Sta. 315+86 to 318+97
Rt. Sta. 320+45 to 322+22.2

** From Sta. 317+32.2 to 318+97 & From Sta. 320+45 to 321+40.5

LEGEND:

1. Bituminous Surface Removal 3/4"
2. POLYMERIZED Leveling Binder (Machine Method) Superpave, IL-4.75, N50
3. Bituminous Concrete Binder Cse. Superpave, IL 19.0, N50
4. Bituminous Surface Cse, Mix D, Superpave N50, 1 1/2"
5. Bituminous Shoulder Superpave 8"
6. Aggregate Shoulder TY B, 6"
7. Erosion Control Curb
8. Steel Plate Beam Guardrail
9. Type A Gutter (Modified)
10. Topsoil Furnished and Place , 4"
11. Guardrail Aggregate Erosion Control
12. Gutter Removal

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED
TYPICAL SECTION

SCALE: VERT.
HORIZ.
DATE

DRAWN BY: LCE
CHECKED BY

PLOT DATE = 8/21/2006
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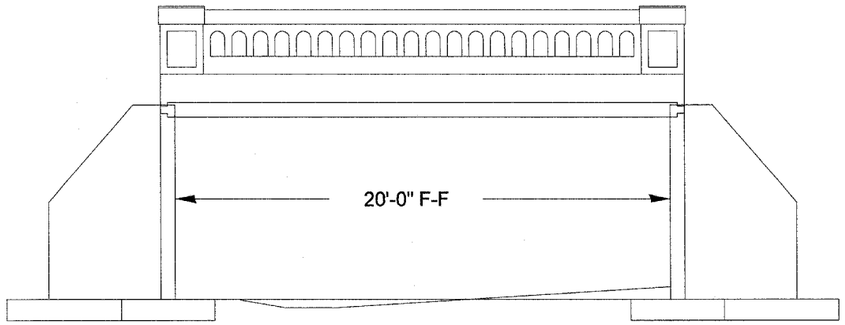
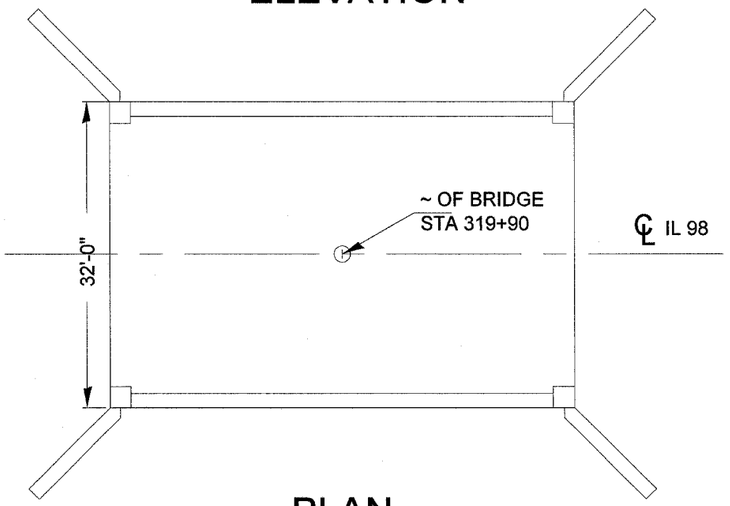
USER NAME = brookbm

CONTRACT NO. 68247

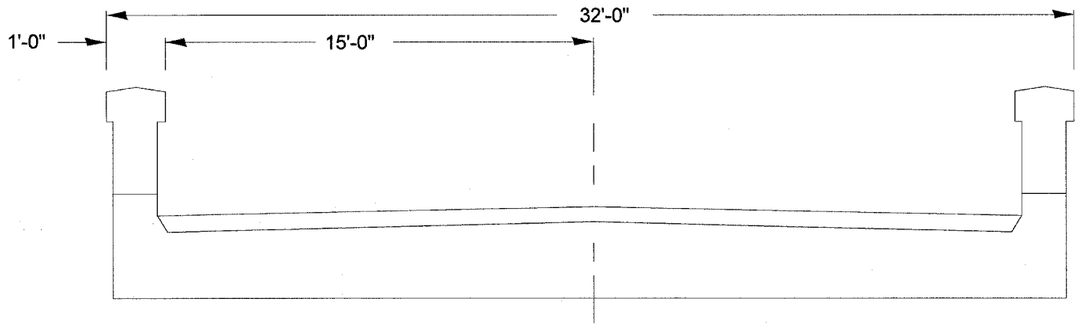
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	12
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



ELEVATION

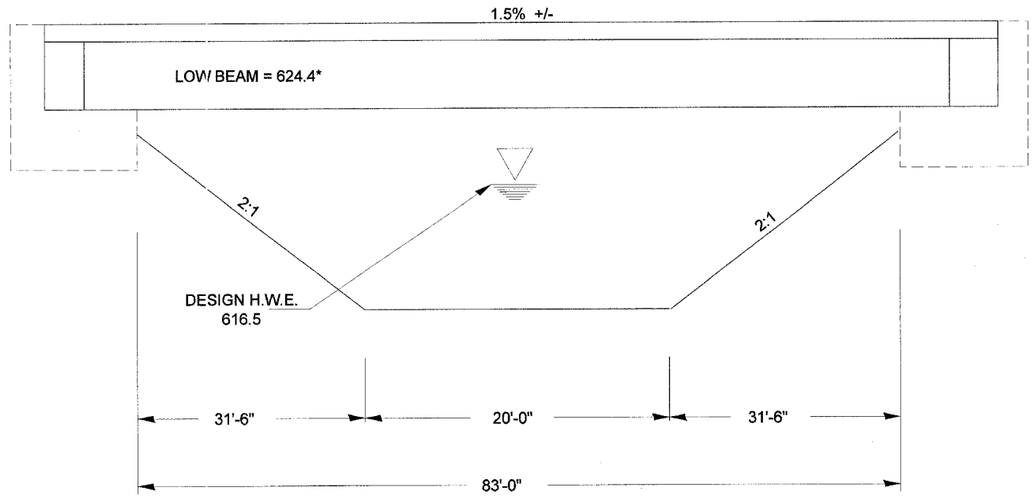


PLAN



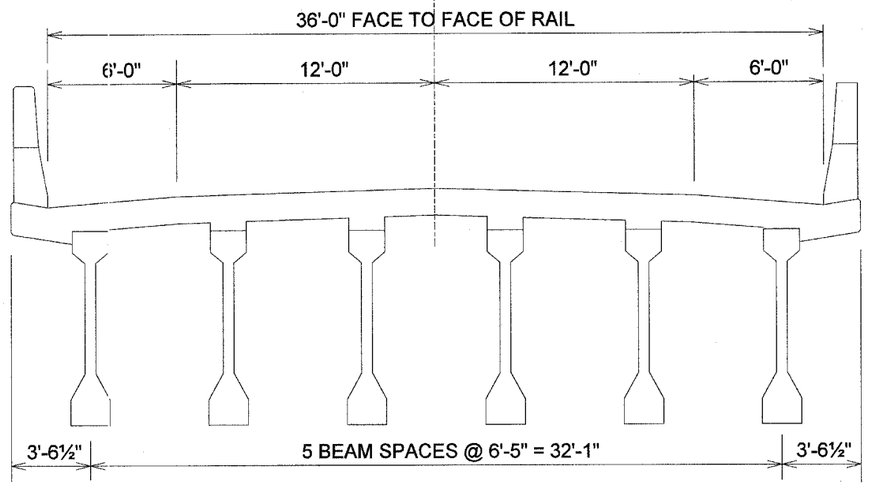
SECTION

EXISTING



ELEVATION
(O° Skew)

MAIN LINE IL 98
CL



PROPOSED

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
STRUCTURE
S.N. 090-0086 (OLD)
S.N. 090-0173 (NEW)

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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USER NAME = bnicodem

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	13
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NO. 20100210

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
LOCATION	UNIT
Sta. 313+90, 25.5' Rt	42
TOTAL = 42	

CODE NO. 20100500

TREE REMOVAL, ACRES	
LOCATION	ACRE
Lt Sta. 318+00 to 320+75	0.62
Rt. Sta. 318+50 to 320+75	0.48
TOTAL = 1.10	

CODE NO.	28000250	25001700	25100115	25000400	25000500	25000600
	TEMPORARY EROSION CONTROL SEEDING *	SEEDING CLASS 3 (MODIFIED)	MULCH METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
	LBS	ACRE	ACRE	POUND	POUND	POUND
LOCATION						
Rt Sta. 308+50 to Sta.319+27	128	0.64	0.64	57	57	57
Lt Sta. 308+50 to Sta. 319+27	137	0.68	0.68	61	61	61
Rt Sta. 320+00 to Sta.330+38	71	0.35	0.35	32	32	32
Lt Sta. 320+15 to Sta. 329+44	89	0.44	0.44	40	40	40
TOTAL =	425	2.11	2.11	190	190	190

* 2 Applications

CODE NO.	20200100	20300100	21101615
	EARTH EXCAVATION	CHANNEL EXCAVATION	F & P TOPSOIL, 4"
	CU YD	CU YD	SQ YD
LOCATION			
STA. 308+50 TO 319+27	2,691		4,245
STA. 319+71		2,508	
STA. 320+45 TO 330+50	1,976		2,664
TOTAL	4,667	2,508	6,909

CODE NO.28000400

PERIMETER EROSION BARRIER	
LOCATION	UNIT FOOT
Lt. Sta. 319+00 to Sta. 319+45	63
Lt. Sta. 319+66 to Sta. 320+08	44
TOTAL = 107	

CODE NO. 28000500

INLET AND PIPE PROTECTION	
LOCATION	EACH
Rt. Sta. 312+00	1
TOTAL = 1	

CODE NO. 28102630

STONE RIPRAP DITCH CHECKS		
LOCATION	Offset	UNIT EACH
Lt. Sta. 312+87	50.0 ft	1
Lt. Sta. 316+67.6	51.5 ft	1
Rt. Sta. 317+00	51.5 ft	1
Rt. Sta. 319+00	54.5 ft	1
Rt. Sta. 320+50	41.0 ft	1
Lt. Sta. 320+50	49.2 ft	1
Lt. Sta. 321+00	41.1 ft	1
Lt. Sta. 321+50	36.3 ft	1
TOTAL = 8		

CODE NO.28100107

STONE RIPRAP, CLASS A4	
LOCATION	UNIT SQ YD
Lt. Sta. 312+00 to Sta. 313+00	162
Rt. Sta. 315+96 to Sta. 319+17	754
Lt. Sta. 320+17 to Sta. 321+18	154
Rt. Sta. 320+25 to Sta. 321+00	165
TOTAL = 1,235	

CODE NO. 25100630

EROSION CONTROL BLANKET	
LOCATION	SQ YD
Rt Sta. 309+00 to Sta.311+17.25	386
Lt Sta. 309+83 to Sta. 310+44.75	41
Lt. Sta. 311+34 to Sta. 312+00	44
Rt. Sta. 312+02 to Sta. 312+29	18
Lt. Sta. 317+16.65 to Sta. 319+16.5	137
Lt. Sta. 321+18 to Sta. 323+50	155
Rt. Sta. 321+00 to Sta. 322+00	67
Rt. Sta. 326+00 to Sta. 327+27.24	85
Rt. Sta. 327+54.56 to Sta. 329+00	97
TOTAL = 1,030	

CODE NO. X2510630

HEAVY DUTY EROSION CONTROL BLANKET	
LOCATION	SQ YD
Rt Sta. 313+00 to Sta.315+00	447
Rt Sta. 318+97 to Sta. 319+16.67	79
TOTAL = 526	

CODE NO.28100109

STONE RIPRAP, CLASS A5	
LOCATION	UNIT SQ YD
Lt. Sta. 319+78	42
Rt. Sta. 319+78	326
TOTAL = 368	

CODE NO.28100125

STONE RIPRAP, CLASS B3	
LOCATION	UNIT SQ YD
Rt. Sta. 311+17 to Sta. 311+92	75
Lt. Sta. 316+14 to Sta. 317+16	123
Rt. Sta. 315+45 to Sta. 315+62	50
TOTAL = 248	

CODE NO.28000300

TEMPORARY DITCH CHECKS		
LOCATION	Offset	UNIT EACH
Lt. Sta. 315+50 (Stage I)	18.7 ft	1
Rt. Sta. 310+00	33.7ft	1
Lt. Sta. 310+00	28.0 ft	1
Rt. Sta. 310+50	33.3 ft	1
Rt. Sta. 311+00	31.4 ft	1
Lt. Sta. 311+50	28.0 ft	1
Rt. Sta. 311+50	30.0 ft	1
Lt. Sta. 312+00	28.0 ft	1
Lt. Sta. 312+87	50.0 ft	1
Rt. Sta. 315+70	37.8 ft	1
Rt. Sta. 315+90	37.8 ft	1
Rt. Sta. 316+10	37.8 ft	1
Rt. Sta. 316+28	40.8 ft	1
Rt. Sta. 316+50	43.8 ft	1
Lt. Sta. 316+67.6	51.5 ft	1
Rt. Sta. 316+69.3	48.1 ft	1
Lt. Sta. 317+00	61.4 ft	1
Rt. Sta. 317+00	51.5 ft	1
Rt. Sta. 317+50	52.2 ft	1
Lt. Sta. 318+00	55.5 ft	1
Rt. Sta. 318+00	56.0 ft	1
Lt. Sta. 318+50	56.5 ft	1
Rt. Sta. 318+50	62.3 ft	1
Lt. Sta. 319+00	59.5 ft	1
Rt. Sta. 319+00	54.5 ft	1
Rt. Sta. 320+50	41.0 ft	1
Lt. Sta. 320+50	49.2 ft	1
Lt. Sta. 321+00	41.1 ft	1
Rt. Sta. 321+50	30.8 ft	1
Lt. Sta. 321+50	36.3 ft	1
Lt. Sta. 325+00	27.0 ft	1
Lt. Sta. 328+00	27.0 ft	1
Rt. Sta. 328+00	27.4 ft	1
TOTAL = 33		

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	14
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NO.28200200

FILTER FABRIC	
LOCATION	UNIT SQ YD
Lt. Sta. 312+00 to Sta. 313+00	162
Rt. Sta. 315+96 to Sta. 319+17	754
Lt. Sta. 320+17 to Sta. 321+18	154
Rt. Sta. 320+25 to Sta. 321+00	165
Lt. Sta. 319+78	42
Rt. Sta. 319+78	326
Rt. Sta. 311+17 to Sta. 311+92	75
Lt. Sta. 316+14 to Sta. 317+16	123
Rt. Sta. 315+45 to Sta. 315+62	50
TOTAL = 1,851	

CODE NO.31101400

SUB-BASE GRANULAR MATERIAL, TYPE B, 6"	
LOCATION	UNIT SQ YD
Rt. Sta. 315+86 to Sta. 318+97	207
Rt. Sta. 320+45 to Sta. 322+22.2	119
TOTAL = 326	

CODE NO.40200800

AGGREGATE SURFACE COURSE, TYPE B	
LOCATION	UNIT TON
Rt. Sta. 315+23 to Sta. 316+50	123
Rt. Sta. 325+78.17	50
TOTAL = 173	

CODE NO. X5013800

PIPE CULVERT REMOVAL		
LOCATION	LENGTH (FOOT)	UNIT EACH
Lt. Sta. 309+63.25	35.4	1
Lt. Sta. 310+48.18 to Sta. 312+13.79	165.7	1
Rt. Sta. 316+00	14.3	1
Rt. Sta. 325+61.22 to Sta. 325+93.20	32.0	1
TOTAL = 4		

CODE NO.44000100

PAVEMENT REMOVAL	
LOCATION: (MAINLINE)	UNIT SQ YD
Sta. 318+89 to Sta. 319+58	215.00
Sta. 319+78 to Sta. 320+53	233.00
LOCATION : (TEMPORARY PAVEMENT)	
Lt. Sta. 315+00 to Sta. 319+32.8	146.22
Lt. Sta. 319+77.9 to Sta. 323+72.4	160.43
TOTAL = 754.65	

CODE NO.54215550

METAL END SECTIONS 15"	
LOCATION	UNIT EACH
Lt. Sta. 309+45.72	1
Lt. Sta. 309+79.72	1
Lt. Sta. 310+48.49	1
Lt. Sta. 311+30.49	1
Rt. Sta. 315+63.38	1
Rt. Sta. 315+73.22	1
Lt. Sta. 327+31.71	1
Lt. Sta. 327+53.71	1
Rt. Sta. 327+30.63	1
Rt. Sta. 327+50.63	1
TOTAL = 10	

CODE NO.48101500

AGGREGATE SHOULDERS, TYPE B 6"	
LOCATION	UNIT SQ YD
Lt. Sta. 308+58 to Sta. 309+54.4	22.4
Rt. Sta. 308+58 to Sta. 309+44	16.8
Lt. Sta. 309+71 to Sta. 310+57.8	30.8
Lt. Sta. 310+69.7 to Sta. 311+11.6	13.5
Rt. Sta. 309+77.1 to Sta. 312+18.6	76.9
Lt. Sta. 311+22.5 to Sta. 313+07.8	63.0
Rt. Sta. 312+65.8 to Sta. 312+88	6.9
Lt. Sta. 315+86 to Sta. 317+24.9	46.1
Rt. Sta. 315+86 to Sta. 316+37.4	21.5
Lt. Sta. 325+08.9 to Sta. 325+20.5	3.9
Lt. Sta. 325+29.5 to Sta. 326+16.1	25.6
Lt. Sta. 326+25.8 to Sta. 327+38	36.6
Rt. Sta. 325+55.2 to Sta. 325+63.2	7.1
Rt. Sta. 325+93.2 to Sta. 327+09.5	40.9
Lt. Sta. 327+47.7 to Sta. 329+31.3	62.4
Rt. Sta. 327+53.7 to Sta. 329+42	62.1
TOTAL = 536.5	

CODE NO.44000400

GUTTER REMOVAL	
LOCATION	UNIT FOOT
Lt. Sta. 313+07.8 to Sta. 315+81	273.2
Rt. Sta. 312+96.8 to Sta. 315+77.5	280.7
Lt. Sta. 321+49.83 to Sta. 323+51.52	201.7
Rt. Sta. 321+84.79 to Sta. 323+57.96	173.2
TOTAL = 928.8	

CODE NO.44000200

DRIVEWAY PAVEMENT REMOVAL	
LOCATION	UNIT SQ YD
Lt. Sta. 325+25	5.3
TOTAL = 5.3	

CODE NO.542D0220

PIPE CULVERTS, CLASS D, TYPE 1 15"	
LOCATION	UNIT FOOT
Lt. Sta. 309+45.72 to 309+79.72	34
Lt. Sta. 310+48.49 to Sta. 311+30.49	82
Rt. Sta. 315+63.38 to Sta. 315+73.22	26
Lt. Sta. 327+31.72 to Sta. 327+53.71	22
Rt. Sta. 327+30.63 to Sta. 327+50.63	20
TOTAL = 184	

CODE NO.50102400

CONCRETE REMOVAL	
LOCATION	UNIT CU YD
Rt. Sta. 312+03	2.4
TOTAL = 2.4	

CODE NO.50104400

CONCRETE HEADWALL REMOVAL	
LOCATION	UNIT EACH
Lt. Sta. 309+41.7	1
Lt. Sta. 309+77.1	1
Lt. Sta. 310+48.2	1
Rt. Sta. 325+61.2	1
Rt. Sta. 325+93.2	1
TOTAL = 5	

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	15
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

TABULATION OF RESURFACING QUANTITIES

CODE NO.																
LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	BITUMINOUS SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	BITUMINOUS SURF. REMOVAL 3/4"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	INCIDENTAL BITUMINOUS SURFACING	BIT. CONC. BINDER CSE. SUPERPAVE, IL 19.0, N50	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75 N50	BIT. CONC. SURF. CSE. SUPERPAVE MIX "D" N50	BITUMINOUS SHOULDERS SUPERPAVE 8"			
													Lt. Width	Lt. Area	Rt. Width	Rt. Area
	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON	FT	SQYD	FT	SQYD
Sta. 308+58 to Sta. 309+00	26	42.00	121.3	121.3	14.4		0.06	0.36			5.1	10.2				
Sta. 309+00 to Sta. 315+86	26	686.00	1,981.8			1,981.8	1.19	5.95			83.2	166.4	2	152.4	2	152.4
Sta. 315+86 to Sta. 317+24.85	26	138.85	401.1			401.1	0.26	1.20			16.8	33.6	2	30.9	5	77.1
Sta. 317+24.85 to Sta. 317+32.20	26	7.35	21.2			21.2	0.02	0.06			0.9	1.8	5	4.1	5	4.1
Sta. 317+32.20 to Sta. 317+71.61	26	39.41	113.9	113.9			0.08	0.34		25.5	4.8	9.6	5	21.9	5	21.9
Sta. 317+71.61 to Sta. 318+97	26	125.39	362.2		14.4		0.26	1.09		81.1	15.2	30.4	5	69.7	5	69.7
S. N. 090-0173																
Sta. 320+45 to Sta. 321+08.38	26	63.38	183.1		14.4		0.13	0.55		33.3	7.7	15.4	5	35.2	5	35.2
Sta. 321+08.38 to Sta. 321+40.48	26	32.10	92.7	92.7			0.07	0.28		16.9	3.9	7.8	5	17.8	5	17.8
Sta. 321+40.48 to Sta. 321+43.84	26	3.36	9.7			9.7	0.01	0.03			0.4	0.8	5	1.9	5	1.9
Sta. 321+43.84 to Sta. 322+22.21	26	78.37	226.4			226.4	0.15	0.68			9.5	19.0	2	17.4	5	43.5
Sta. 322+22.21 to Sta. 328+79	26	656.79	1,897.4			1,897.4	1.14	5.69			79.7	159.4	2	146.0	2	146.0
Sta. 328+79 to Sta. 329+21	26	42.00	121.3	121.3	14.4		0.07	0.36			5.1	10.2	2	9.3	2	9.3
Sta. 328+79 to Sta. 329+31		10.00											2	2.2	2	2.2
Sta. 329+31to Sta. 321+40		9.00													2	2.0
MAILBOX TURNOUTS & ENTRANCES																
Lt. Sta. 309+63.25			47.8				0.02		4.0	12.0						
Rt. Sta. 309+63.25			24.3				0.01		2.0	6.0						
Lt. Sta. 310+63.50 to Sta. 311+17.06			87.2				0.05		7.3	22.0						
Rt. Sta. 312+54.54			67.5				0.04		5.7	17.0						
Lt. Sta. 323+94.67			7.5						0.6	1.9						
Lt. Sta. 325+08.85 to Sta. 326+65.41			123.02				0.06		10.3	31.0						
Rt. Sta. 327+41.92			38.5				0.02		3.2	9.7						
Lt. Sta. 327+41.92			33.5				0.02		2.8	8.4						
TOTAL =				449.2	57.6	4,537.6	3.66	16.59	35.9	264.8	232.3	464.6		508.8		583.1
														1,091.9		

PRIME COAT CONVERSION FACTORS		
SURFACE TYPE	BIT. PR. COAT (GAL / SQ YD)	AGG. PR. COAT (LB / SQ YD)
Cold Milled Surfaces	0.10	4
Existing Pavement	0.05	4
New Bituminous Course	0.03	2

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
Bit. Surf. Courses	112 LB / SQ YD x IN
All other Bit.	112 LB / SQ YD x IN
Aggregate Shoulders	2.05 TONS / CU YD

CODE NO.X0712400

TEMPORARY PAVEMENT	
LOCATION	UNIT SQ YD
Lt. Sta. 315+00 to Sta. 319+32.8	146.22
Lt. Sta. 319+77.9 to Sta. 323+72.4	160.43
TOTAL = 306.65	

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	16
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NO.42001165

BRIDGE APPROACH PAVEMENT	
LOCATION	UNIT SQ YD
Sta. 318+98 to Sta. 319+27	120
Sta. 320+15 to Sta. 320+45	120
TOTAL = 240	

CODE NO.42001430

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
LOCATION	UNIT SQ YD
Sta. 319+27	24
Sta. 320+45	24
TOTAL = 48	

CODE NO.60600095

CLASS SI CONCRETE (OUTLET)	
LOCATION	UNIT CU YD
(Inlets)	
Lt. Sta. 313+08 to Sta. 313+20	1.2
Rt. Sta. 312+88 to Sta. 313+00	1.2
Rt. Sta. 325+42.9 to Sta. 325+54.9	1.2
Lt. Sta. 324+96.6to Sta. 325+08.06	1.2
(Outlets)	
Lt. Sta. 315+50 to Sta. 315+86	8.4
Rt. Sta. 315+50 to Sta. 315+86	8.0
Rt. Sta. 322+22.2 to Sta. 322+58.2	7.4
Lt. Sta. 321+43.8 to Sta. 321+79.8	9.0
(Entrances & Mailbox Turnouts)	
Lt. Sta. 314+49.43	7.2
Rt. Sta. 315+19.20	6.6
Lt. Sta. 323+67.7 to Sta. 324+53.6	13.7
TOTAL = 65.1	

CODE NO. 60602600

CONCRETE GUTTER, TYPE A (MODIFIED)	
LOCATION	UNIT FOOT
Lt. Sta. 313+20 to Sta. 314+27	107.00
Lt. Sta. 314+70.30 to Sta.315+50	79.70
Rt. Sta. 313+00 to Sta. 314+98.81	198.81
Rt. Sta. 315+39.81 to Sta. 315+50	10.19
Rt. Sta. 322+58.21 to Sta. 325+42.75	284.54
Lt. Sta. 321+79.84 to Sta. 323+67.69	187.85
Lt. Sta. 324+53.63 to Sta. 324+96.61	42.98
TOTAL = 911.07	

CODE NO.63200310

GUARDRAIL REMOVAL	
LOCATION	UNIT FOOT
Rt. Sta. 311+66.68 to Sta. 312+30.10	63.42
Lt. Sta. 318+55 to Sta. 319+58	103.00
Rt. Sta. 319+78 to Sta. 320+79	101.00
Lt. Sta. 318+54 to Sta. 319+58	104.00
Rt. Sta. 319+78 to Sta. 320+79	101.00
TOTAL = 472.42	

CODE NO.63100085

TRAFFIC BARRIER TERMINAL, TYPE 6	
LOCATION	UNIT EACH
Lt. Sta. 318+96.35 to Sta. 319+27	1
Rt. Sta. 318+96.35 to Sta. 319+27	1
Lt. Sta. 320+15 to Sta. 320+45.65	1
Rt. Sta. 320+15 to Sta. 320+45.65	1
TOTAL = 4	

CODE NO. 63301210

REMOVE & RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	UNIT FOOT
Lt. Sta. 319+04.8 to 319+29.8	25
TOTAL = 25	

CODE NO.70500100

TEMPORARY STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	UNIT FOOT
Lt. Sta. 318+54.8 to Sta. 319+04.8	50
Lt. Sta. 320+53.9 to Sta. 320+78.9	25
TOTAL = 75	

CODE NO.63100167

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	
LOCATION	UNIT EACH
Lt. Sta. 317+58.85 to Sta. 318+08.85	1
Rt. Sta. 316+71.35 to Sta. 317+21.35	1
Lt. Sta. 322+20.65 to Sta. 322+70.65	1
Rt. Sta. 321+33.15 to Sta. 321+83.15	1
TOTAL = 4	

CODE NO.63000000

STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	UNIT FOOT
Lt. Sta. 318.08.85 to Sta. 318+96.35	87.5
Rt. Sta. 317+21.35 to Sta. 318+96.35	175.0
Lt. Sta. 320+45.65 to Sta. 322+20.65	175.0
Rt. Sta. 320+45.65 to Sta. 321+33.15	87.5
TOTAL = 525	

CODE NO.78200410

GUARDRAIL MARKERS, TYPE A	
LOCATION	UNIT EACH
Rt. Sta. 317+21.35 to Sta. 319+27	3
Lt. Sta. 318+08.85 to Sta. 319+27	2
Lt. Sta. 320+15 to Sta. 322+70.65	3
Rt. Sta. 320+15 to Sta. 321+83.15	2
TOTAL = 10	

CODE NO.78200420

GUARDRAIL MARKERS, TYPE B	
LOCATION	UNIT EACH
Lt. Sta. 319+27 to Sta. 320+15	2
Rt. Sta. 319+27 to Sta. 320+15	2
TOTAL = 4	

CODE NO.78201000

TERMINAL MARKER - DIRECT APPLIED	
LOCATION	UNIT EACH
Rt. Sta. 316+71.35	1
Lt. Sta. 317+58.85	1
Rt. Sta. 321+83.15	1
Lt. Sta. 322+70.65	1
TOTAL = 4	

CODE NO.	50800105	54003000	54002020	60244240
	REINFORCEMENT BARS	CONCRETE BOX CULVERTS	EXPANSION BOLTS 3/4 INCH	GRATED INLET, SPECIAL
	LBS	CU YD	EACH	EACH
LOCATION				
Lt. Sta. 312+12.73	815.15	6.62	10	
Rt. Sta. 312+12.73	1,221.10	9.45	10	1
TOTAL =	2,036.25	16.09	20	1

CODE NO.	54213447	60100945	60900240	60900515	X0321475
	END SECTIONS 12"	PIPE DRAINS 12"	TYPE C INLET BOX, STANDARD 609006	CONCRETE THRUST BLOCKS	PIPE ELBOW, 12"
	EACH	FOOT	EACH	EACH	EACH
LOCATION					
Lt. Sta. 319+02	1	45	1	1	2
Rt. Sta. 319+02	1	46	1	1	2
TOTAL =	2	91	2	2	4

CODE NO.X0301512

GUARDRAIL AGGREGATE EROSION CONTROL	
LOCATION	UNIT TON
Lt. Sta. 317+24.85 to Sta. 319+27	34.91
Rt. Sta. 316+37.42 to Sta. 319+27	50.39
Lt. Sta. 320+15 to Sta. 323+04.65	50.51
Rt. Sta. 320+15 to Sta. 322+17.15	34.91
TOTAL = 170.72	

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	17
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NO. Z0030250

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	
	UNIT
LOCATION - STAGE I	EACH
Sta. 316+17	1
Sta. 322+43	1
Lt. Sta. 318+55	1
Lt. Sta. 320+79	1
TOTAL = 4	

CODE NO. Z0030350

IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	
	UNIT
LOCATION - STAGE II	EACH
Sta. 316+34	1
Sta. 322+23	1
TOTAL = 2	

CODE NO.70100405

TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	
	UNIT
LOCATION	EACH
Sta. 314+00 to Sta.325+00	1
TOTAL = 1.0	

CODE NO.70100460

TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	
	UNIT
LOCATION	L. SUM
Jobsite	1
TOTAL = 1.0	

CODE NO.70300100

SHORT-TERM PAVEMENT MARKING	
	UNIT
LOCATION	FOOT
Sta. 308+58 to Sta. 329+21	188
TOTAL = 188	

CODE NO.70400100

TEMPORARY CONCRETE BARRIER	
	UNIT
LOCATION	FOOT
Sta.316+17 to Sta. 316+94	80
Sta.316+94 to Sta. 321+64	470
Sta. 321+64 to Sta. 322+43	80
TOTAL = 630	

CODE NO.70400200

RELOCATE TEMPORARY CONCRETE BARRIER	
	UNIT
LOCATION	FOOT
Sta.316+34 to Sta. 316+93	60
Sta.316+93 to Sta. 321+63	470
Sta. 321+63 to Sta. 322+23	60
TOTAL = 590	

CODE NO. X7016500

TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	
	UNIT
LOCATION	EACH
Jobsite	1
TOTAL = 1	

CODE NO.70103815

TRAFFIC CONTROL SURVEILLANCE	
	UNIT
LOCATION	CAL. DA
Jobsite	60
TOTAL = 60	

CODE NO. 70300200

TEMPORARY PAVEMENT MARKING				
LOCATION	Stop Bar	Inside Edge	Outside Edge	Center Line
Stage I	FOOT	FOOT	FOOT	FOOT
Sta. 314+35.7	78			
Sta. 314+35.7 to Sta. 324+23		986.5	984.2	
Sta. 324+23	78			
Stage II				
Sta. 314+58.9	78			
Sta. 314+58.9 to Sta. 324+27		969.2	967.3	
Sta. 324+27	78			
Resurfacing				
Sta. 308+58 to Sta. 329+21				188
SUB-TOTAL=	312	1,955.7	1,951.5	188
			TOTAL=	4,407.2

CODE NO. 70301000

WORK ZONE PAVEMENT MARKING REMOVAL				
LOCATION	Stop Bar	Inside Edge	Outside Edge	Center Line
Stage I	SQ FT	SQ FT	SQ FT	SQ FT
Sta. 314+35.7	25.7			
Sta. 314+35.7 to Sta. 324+23		325.5	324.8	
Sta. 324+23	25.7			
Stage II				
Sta. 314+58.9	25.7			
Sta. 314+58.9 to Sta. 324+27		319.8	319.2	
Sta. 324+27	25.7			
Resurfacing				
Sta. 308+58 to Sta. 329+21				62.0
SUB-TOTAL=	102.8	645.3	644.0	62.0
			TOTAL=	1,454.1

CODE NO. 78001110

PAINT PAVEMENT MARKING - LINE 4"							
LOCATION	Skip Dash	No Passing Zone (W.B.)		Double Yellow		Edge Line	
		Skip Dash	Center Line	Lt.	Rt.	Lt.	Rt.
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
Sta. 305+58 to Sta. 315+50	170					692	692
Sta. 315+50 to Sta. 323+25		190	775			775	775
Sta. 323+25 to Sta. 329+21				596	596	596	596
SUB-TOTAL=	170	190	775	596	596	2,063	2,063
						TOTAL=	6,453

CONTRACT NO.: 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	18
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NO.78100100

RAISED REFLECTIVE PAVEMENT MARKER		
LOCATION	SPACING	UNIT EACH
Sta. 308+58 to Sta. 329+21	80 FT	26
		TOTAL = 26

CODE NO.78100105

RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	
LOCATION	UNIT EACH
Sta. 319+71 (S.N. 090-0173)	1
TOTAL = 1	

CODE NO.78300200

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	UNIT EACH
Sta. 308+58 to Sta. 329+21	24
TOTAL = 24	

CODE NO.#4001724

TEMPORARY BRIDGE TRAFFIC SIGNALS RESIDENTIAL APPROACH	
LOCATION	UNIT EACH
Jobsite	2
TOTAL = 2	

CODE NO.66700205

PERMANENT SURVEY MARKERS, TYPE I	
LOCATION	UNIT EACH
Sta. 319+71	1
TOTAL = 1	

CODE NO.66600105

FURNISHING AND ERECTING RIGHT OF WAY MARKERS	
LOCATION	UNIT EACH
Sta.308+48.86, 32.83' Lt	1
Sta.308+48.97, 40.00' Lt	1
Sta. 312+00, 45.00' Lt	1
Sta. 312+50, 55.00' Lt	1
Sta. 312+75, 55.00' Lt	1
Sta. 313+00, 45.00' Lt	1
Sta. 316+00, 45.00' Lt	1
Sta. 317+00, 75.00' Lt	1
Sta. 318+50, 75.00' Lt	1
Sta. 319+30, 140.00' Lt	1
Sta. 320+45, 140.00' Lt	1
Sta. 320+75, 55.00' Lt	1
Sta. 321+50, 52.71' Lt	1
Sta. 324+00, 42.00' Lt	1
Sta. 325+11.77, 42.00' Lt	1
Sta.325+11.77, 30.00' Lt	1
Sta. 312+20.19, 60.00' Rt	1
Sta. 312+54.74, 57.71' Rt	1
Sta. 312+73.60, 55.22' Rt	1
Sta. 313+50, 45.00' Rt	1
Sta. 314+91.49, 45.00' Rt	1
Sta. 316+00, 45.00' Rt	1
Sta. 319+00, 100.00' Rt	1
Sta. 320+50, 115.00' Rt	1
Sta. 323+00, 39.00' Rt	1
TOTAL = 25	

CODE NO.66700305

PERMANENT SURVEY MARKERS, TYPE II	
LOCATION	UNIT EACH
Sta. 310+00	1
Sta. 312+55.17, 11.76' Rt	1
Sta. 320+00	1
TOTAL = 3	

CODE NO.66700605

PERMANENT SURVEY TIES	
LOCATION	UNIT EACH
Sta. 312+55.17, 11.76' Rt	4
TOTAL = 4	

PAY ITEM #	DESCRIPTION	LOCATION	UNIT	TOTAL
A2C005G3	TREE, ACER SACCHARUM (SUGAR MAPLE), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	8
A2C015G3	TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	8
A2C022G3	TREE, CARYA ILINOENSIS (PECAN), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	10
A2C025G3	TREE, CERCIS CANADENSIS (REDBUD), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	10
A2C036G3	TREE, LIRIODENDRO TULIPIFERA (TULIP TREE), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	6
A2C049G3	TREE, QUERCUS ALBA (WHITE OAK), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	10
A2C050G3	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	8
A2C056G3	TREE, QUERCUS MACROCARPA (BUR OAK); CONTAINER GROWN, 3 - GALLON	JOBSITE	EACH	10

CODE NO.67100100

MOBILIZATION	
LOCATION	UNIT L SUM
JOBSITE	1
TOTAL = 1	

CODE NO.67000400

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	UNIT CAL MO
JOBSITE	8
TOTAL = 8	

CODE NO. X0323260

SEDIMENT BASIN	
LOCATION	UNIT EACH
STA. 319+71	1
TOTAL = 1	

CODE NO. 20101700

SUPPLEMENTAL WATERING	
LOCATION	UNIT
Lt Sta. 318+00 to 320+75	6
Rt. Sta. 318+50 to 320+75	4
TOTAL = 10	

1 UNIT = 1,000 GAL

CODE NO. Z0013798

CONSTRUCTION LAYOUT	
LOCATION	UNIT L SUM
JOBSITE	1
TOTAL = 1	

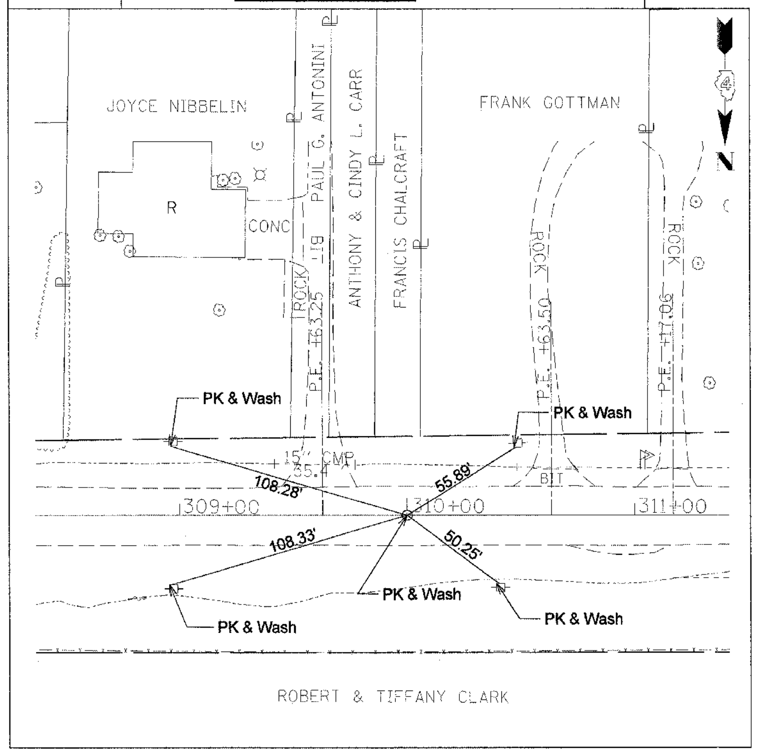
CODE NO. Z0020800

EROSION CONTROL CURB	
LOCATION	UNIT FOOT
Rt. Sta. 317+21.49 to Sta. 318+97	88.2
Lt. Sta. 318+08.85 to Sta. 318+97	175.5
Lt. Sta. 320+45 to Sta. 321+42.46	97.5
Rt. Sta. 320+45 to Sta. 321+33.16	88.2
TOTAL = 449.4	

CONTRACT NO.: 68247

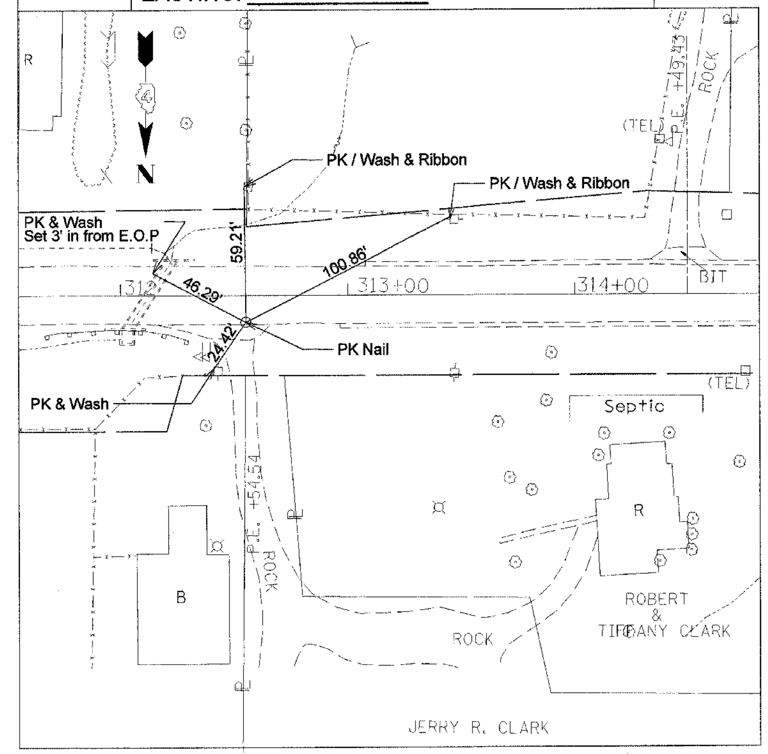
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	19
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

STA. 310+00 , CENTER LINE IL 98
NORTHING: ____________ ELEV. ______
EASTING: ____________



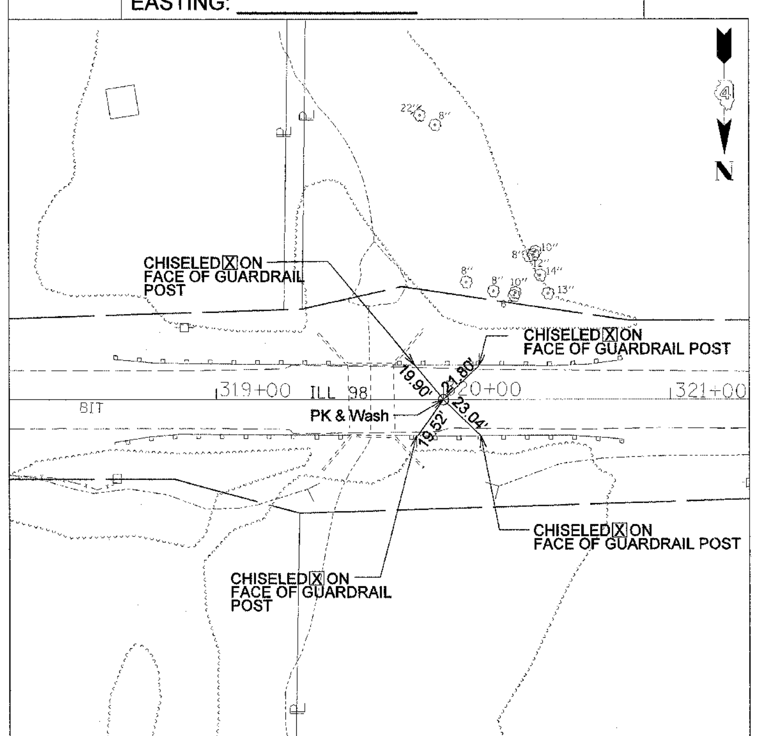
TIE TO P.O.T. STA. 310+00 NOT TO SCALE

STA. 312+55.17, 11.76', RT
NORTHING: ____________ ELEV. ______
EASTING: ____________



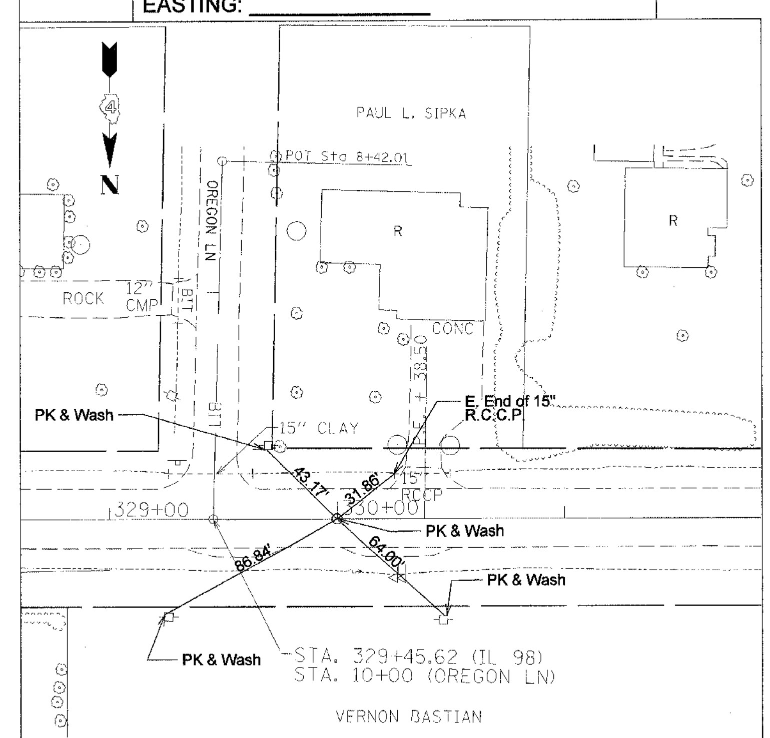
TIE TO SECTION CORNER NOT TO SCALE

STA. 320+00 , CENTER LINE IL 98
NORTHING: ____________ ELEV. _____
EASTING: ____________



TIE TO P.O.T. STA. 320+00 NOT TO SCALE

STA. 330+00, CENTER LINE IL 98
NORTHING: ____________ ELEV. ______
EASTING: ____________



TIE TO P.O.T. STA. 330+00 NOT TO SCALE

BENCH MARK: (to verified on the field)
Railroad Spike in Power Pole
32.32' Lt. of Sta. 316+24.56
Elev. 634.31

BENCH MARK: (to verified on the field)
Chiseled " □ " on the Northwest
Wingwall of the Existing Bridge
Structure No. 090-0086, 16.79'
Rt. of Sta. 320+00.78; Elev. 628.79

BENCH MARK: (to verified on the field)
" 0 " in Open on Fire Hydrant
35' Rt of Sta. 324+26; Elev 645.66

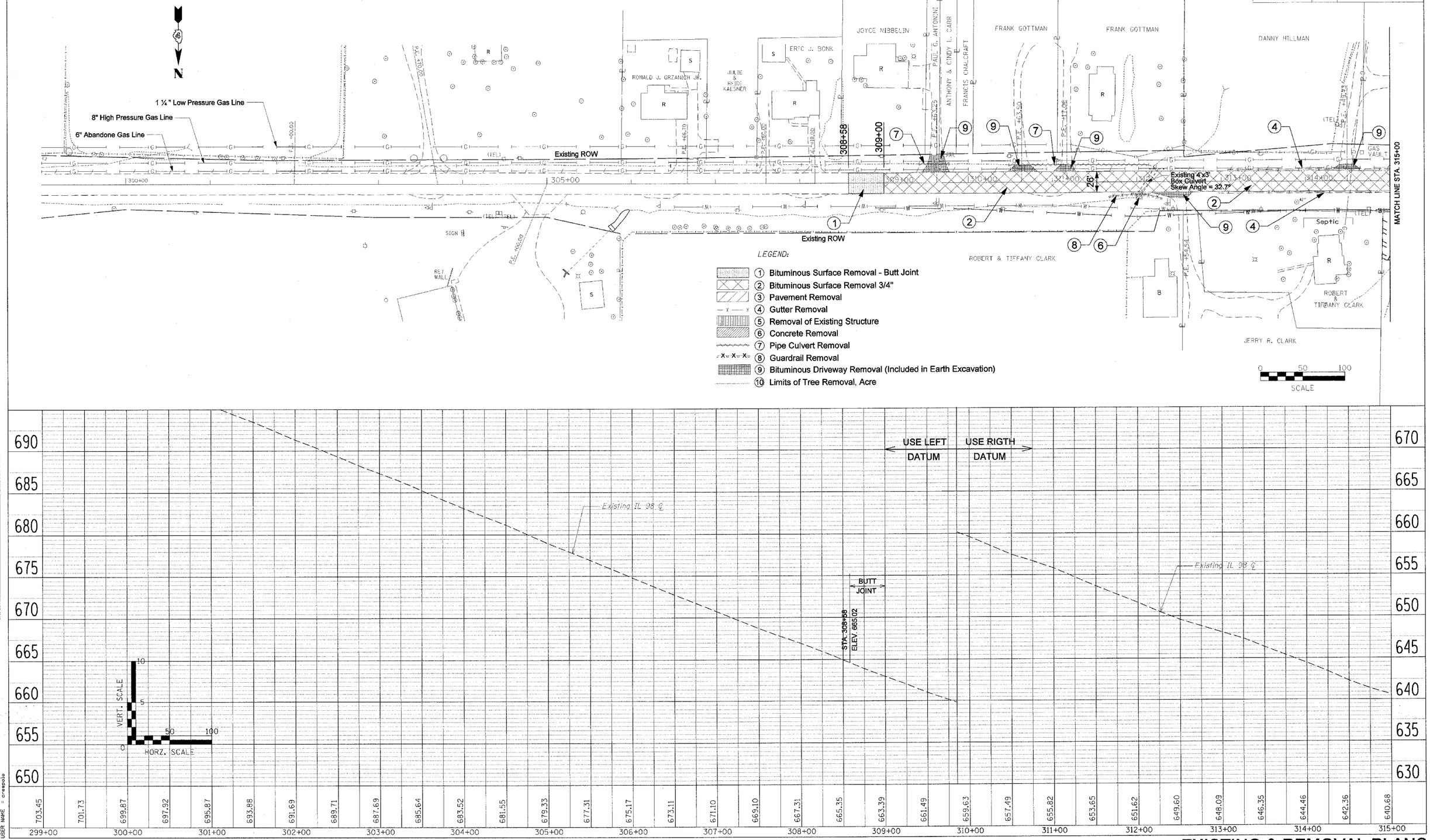
CONTROL POINTS & BENCH MARKS

CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	20
STA. 308+58	TO STA. 315+00			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / CHECKED / R.O.W. CHECKED / ENV. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NOS. / BY / DATE

PROFILE — SURVEYED / PLOTTED / CHECKED / ENV. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NOS. / BY / DATE



PLOT DATE = 8/21/2006
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PLOT SCALE = 50.0000 ' / IN.
USER NAME = crespolo

EXISTING & REMOVAL PLANS

CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	21
STA. 315+00		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

RONALD G. HEAD

DONNA DOUGAN

DANNY HILLMAN

SHEILA L. JOINER

JERRY D. CRAMER JR.

NATHAN F. RIPPER

HENRY A. SWEET JR.

TROY & DIANE DUBOIS

PAUL L. SIPKA

Const Sta 8+42.01

MATCH LINE STA. 315+00

8" High Pressure Gas Line

6" Abandone Gas Line

TREE REMOVAL ACRE
AREA = 0.62 ACRE

TREE REMOVAL ACRE
AREA = 0.48 ACRE

317+32.20

317+71.61

318+95

319+58

319+78

320+47

321+08.38

321+40.48

328+79

329+21

Existing ROW

Existing ROW

RONALD & MARY BRECHER
% CALVIN & DIANA BURROUGHS

JERRY R. CLARK
% HAZEL STRICKFADDEN

VERNON BASTIAN

TOMM R. HALLER

STA. 329+45.62 (IL 98)
STA. 10+00 (OREGON LN)

LEGEND:

1. Bituminous Surface Removal - Butt Joint
2. Bituminous Surface Removal 3/4"
3. Pavement Removal
4. Gutter Removal
5. Removal of Existing Structure
6. Concrete Removal
7. Pipe Culvert Removal
8. Guardrail Removal
9. Bituminous Driveway Removal (Included in Earth Excavation)
10. Limits of Tree Removal, Acre

0 50 100
SCALE

NOTE:
** SEE BUTT JOINT DETAIL ON PAGE 56

PROFILE — SURVEYED / PLOTTED / CHECKED / R.O.W. NOTED / NOTE BOOK / NO. / STRUCTURE NOTATIONS CHKD / BY / DATE

Existing It. 98 ℄

VERT. SCALE 0 5 10

HORZ. SCALE 0 50 100

315+00	316+00	317+00	318+00	319+00	320+00	321+00	322+00	323+00	324+00	325+00	326+00	327+00	328+00	329+00	330+00	331+00
640.68	638.68	636.42	634.51	632.49	630.77	629.70	629.18	628.91	629.22	630.25	631.50	633.26	635.42	637.35	639.10	640.79	641.75	642.35	642.84	643.09	643.12	643.11	643.11	643.11	643.11	642.80	642.44	642.18	641.91	641.48	641.05	640.59

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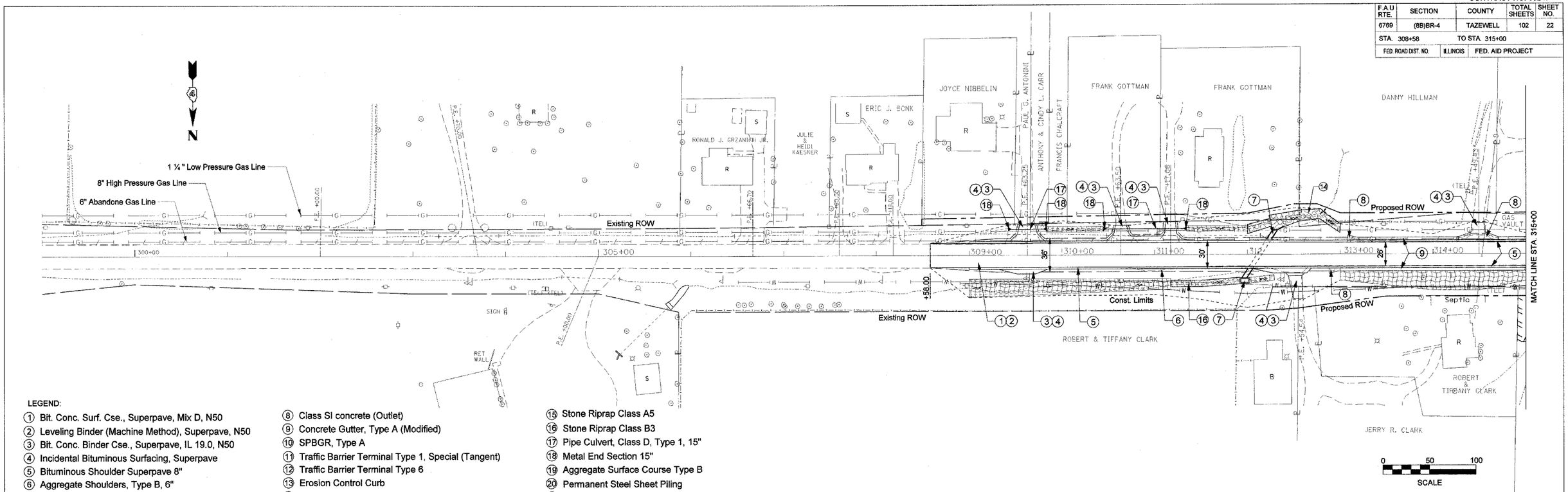
EXISTING & REMOVAL PLANS

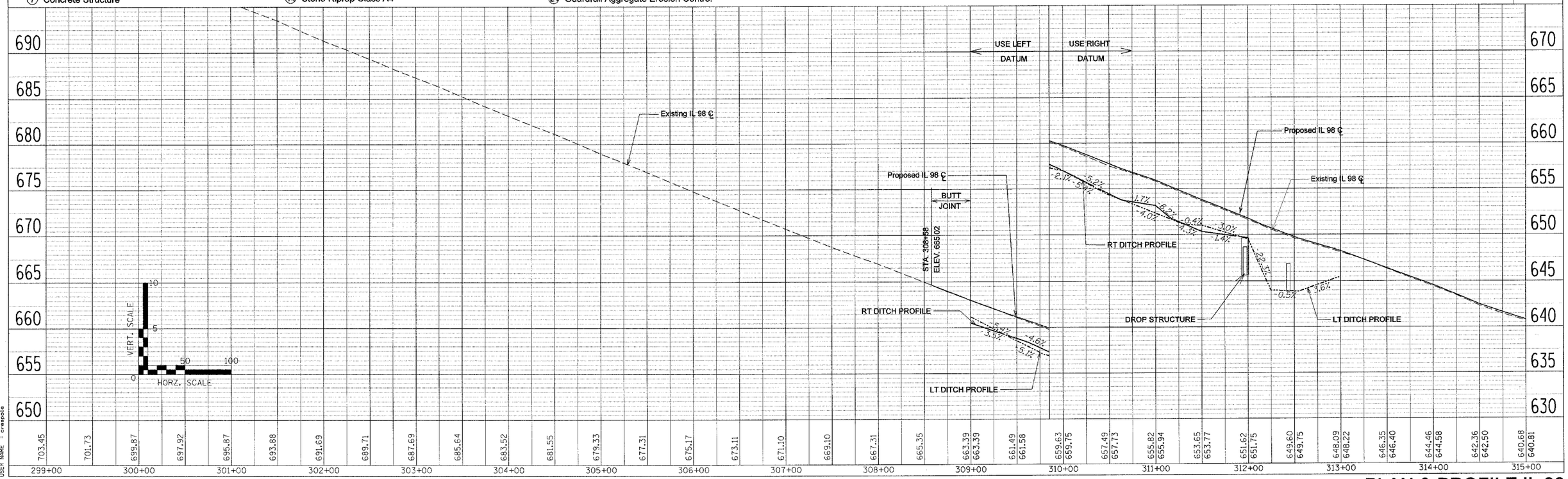
CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	22
STA. 308+58	TO STA. 315+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

1. Bit. Conc. Surf. Cse., Superpave, Mix D, N50
2. Leveling Binder (Machine Method), Superpave, N50
3. Bit. Conc. Binder Cse., Superpave, IL 19.0, N50
4. Incidental Bituminous Surfacing, Superpave
5. Bituminous Shoulder Superpave 8"
6. Aggregate Shoulders, Type B, 6"
7. Concrete Structure
8. Class SI concrete (Outlet)
9. Concrete Gutter, Type A (Modified)
10. SPBGR, Type A
11. Traffic Barrier Terminal Type 1, Special (Tangent)
12. Traffic Barrier Terminal Type 6
13. Erosion Control Curb
14. Stone Riprap Class A4
15. Stone Riprap Class A5
16. Stone Riprap Class B3
17. Pipe Culvert, Class D, Type 1, 15"
18. Metal End Section 15"
19. Aggregate Surface Course Type B
20. Permanent Steel Sheet Piling
21. Guardrail Aggregate Erosion Control



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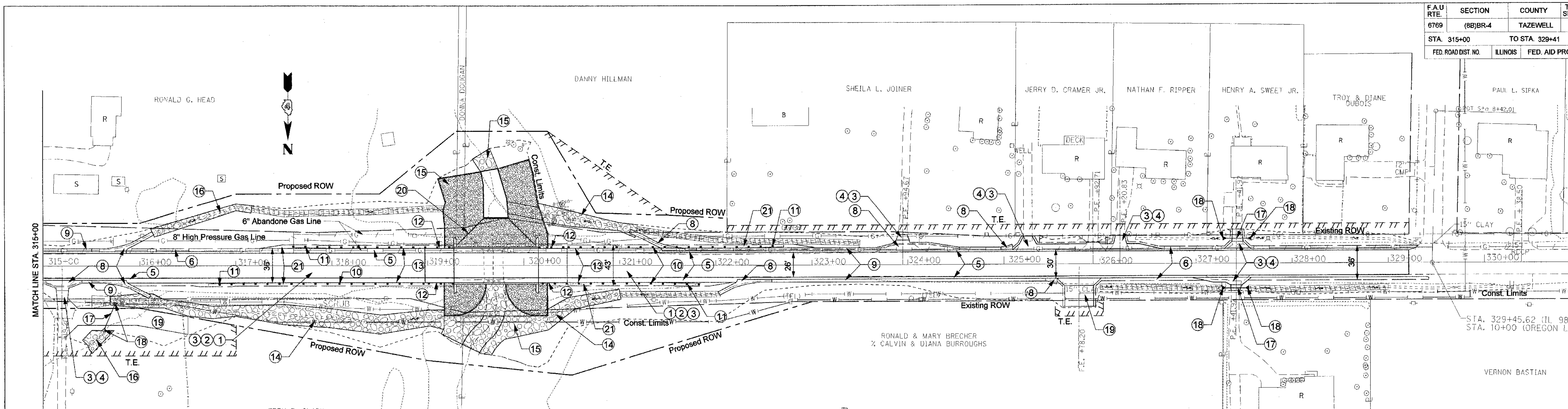
PLAN & PROFILE IL 98

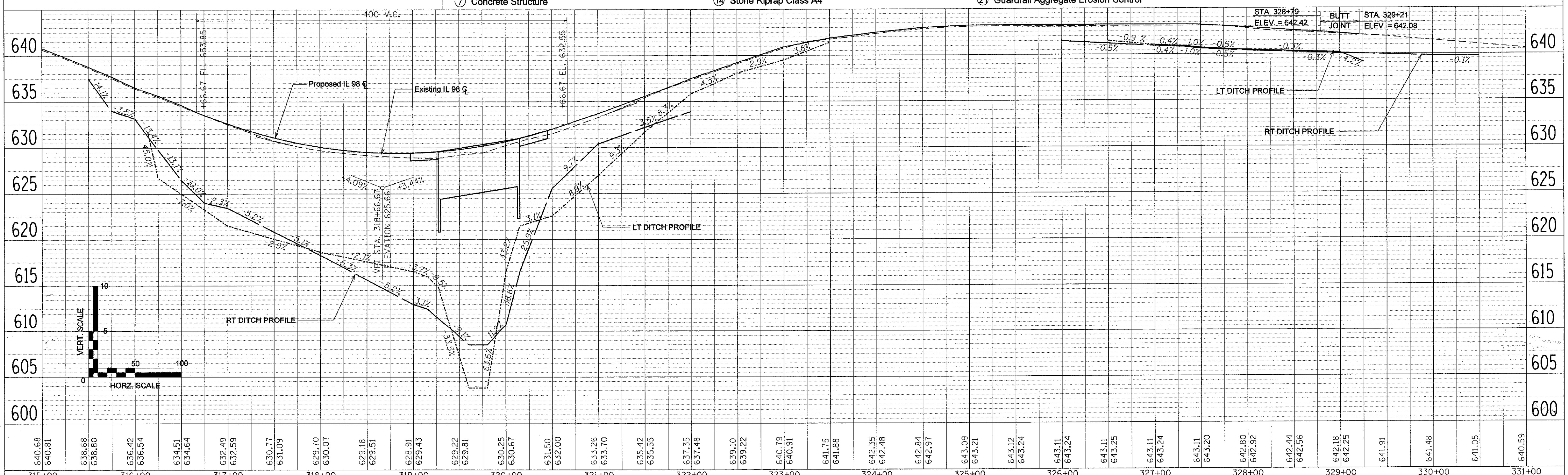
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	23
STA. 315+00		TO STA. 329+41		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

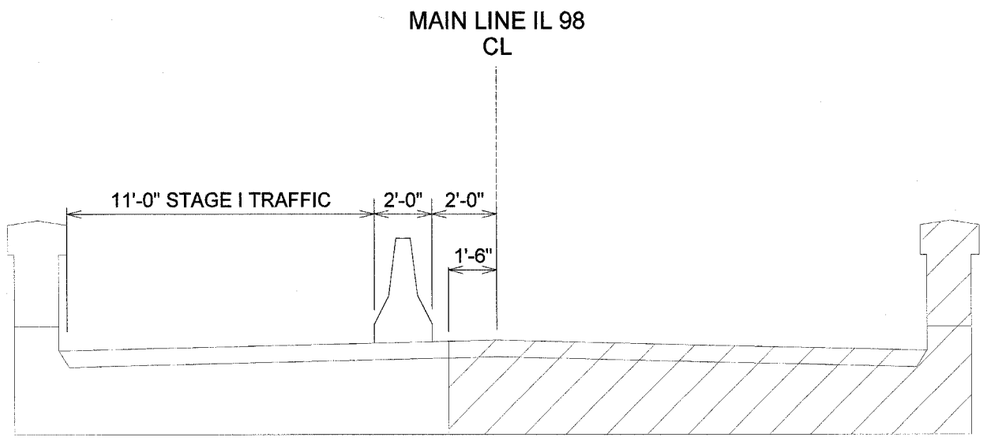
1. Bit. Conc. Surf. Cse., Superpave, Mix D, N50
2. Leveling Binder (Machine Method), Superpave, N50
3. Bit. Conc. Binder Cse., Superpave, IL 19.0, N50
4. Incidental Bituminous Surfacing, Superpave
5. Bituminous Shoulder Superpave 8"
6. Aggregate Shoulders, Type B, 6"
7. Concrete Structure
8. Class SI concrete (Outlet)
9. Concrete Gutter, Type A (Modified)
10. SPBGR, Type A
11. Traffic Barrier Terminal Type 1, Special (Tangent)
12. Traffic Barrier Terminal Type 6
13. Erosion Control Curb
14. Stone Riprap Class A4
15. Stone Riprap Class A5
16. Stone Riprap Class B3
17. Pipe Culvert, Class D, Type 1, 15"
18. Metal End Section 15"
19. Aggregate Surface Course Type B
20. Permanent Steel Sheet Piling
21. Guardrail Aggregate Erosion Control



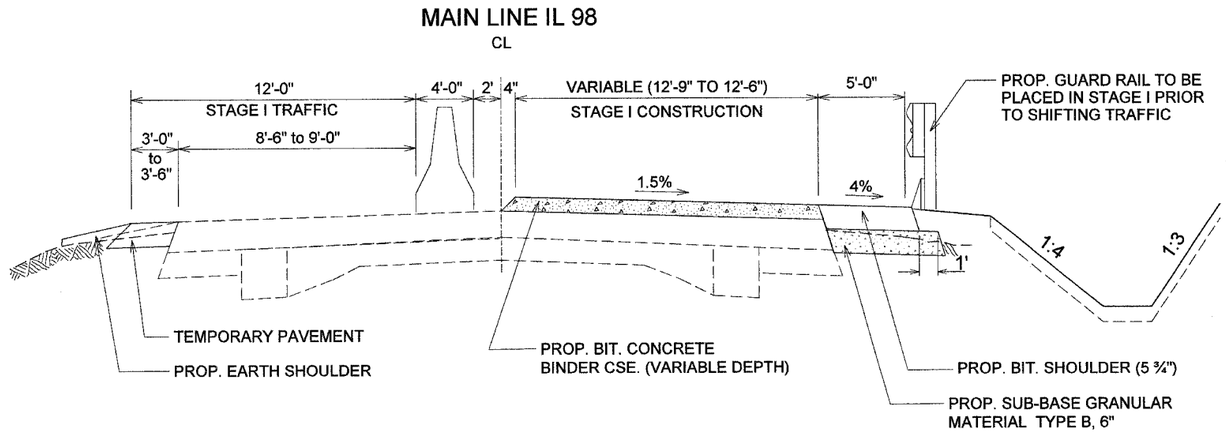
PLAN & PROFILE IL 98

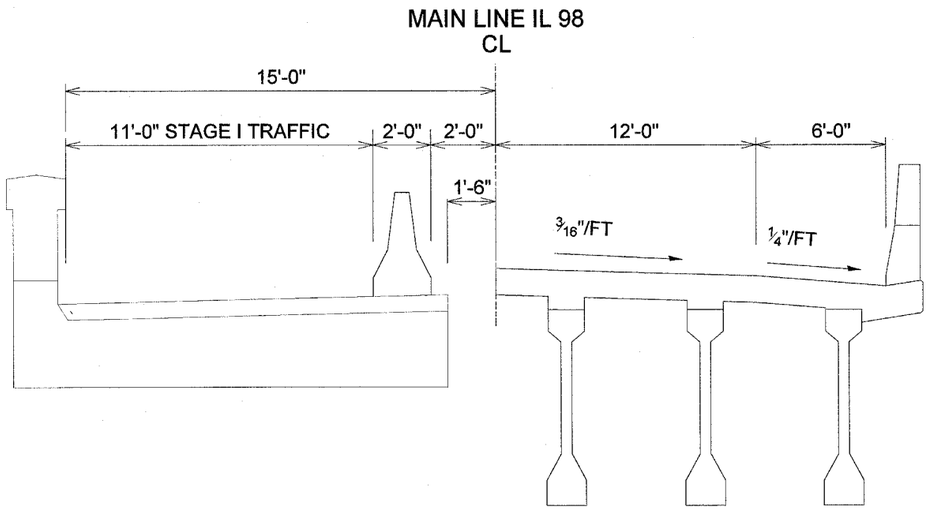
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6789	(8B)BR-4	TAZEWELL	102	24
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

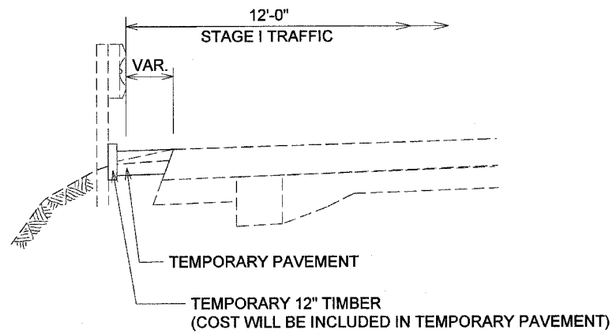


STAGE I REMOVAL





STAGE I CONSTRUCTION



FROM LT. STA. 319+77.9 TO 320+02.9

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS STAGE I

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

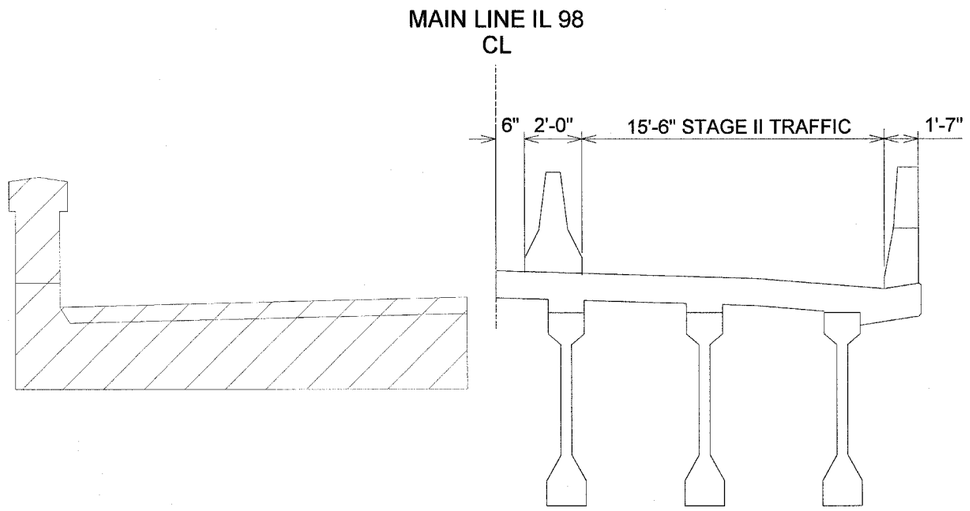
$$DATE$$

IL98/psheets.dgn

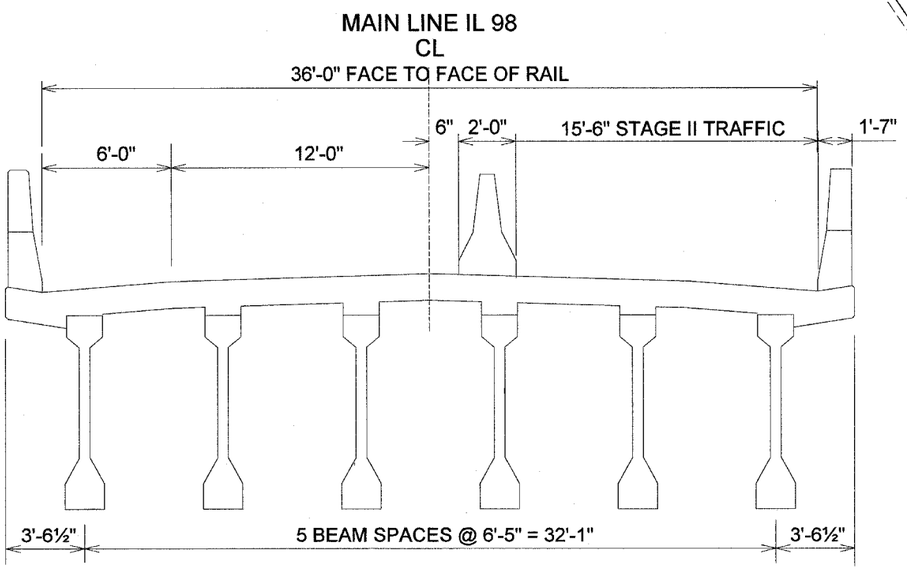
STAGING PLANS

CONTRACT NO. 68247

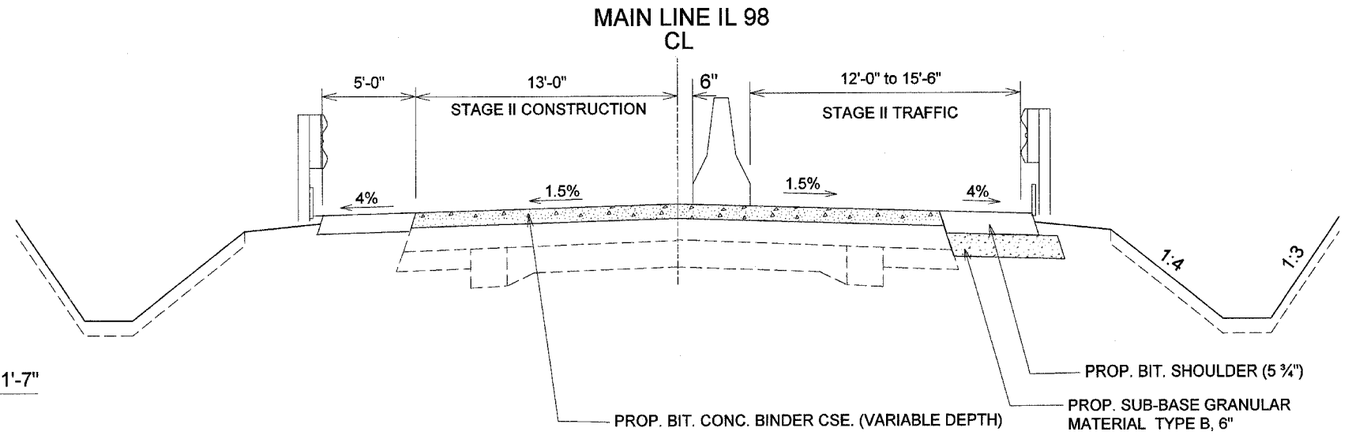
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	25
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



STAGE II REMOVAL



STAGE II CONSTRUCTION



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS STAGE II

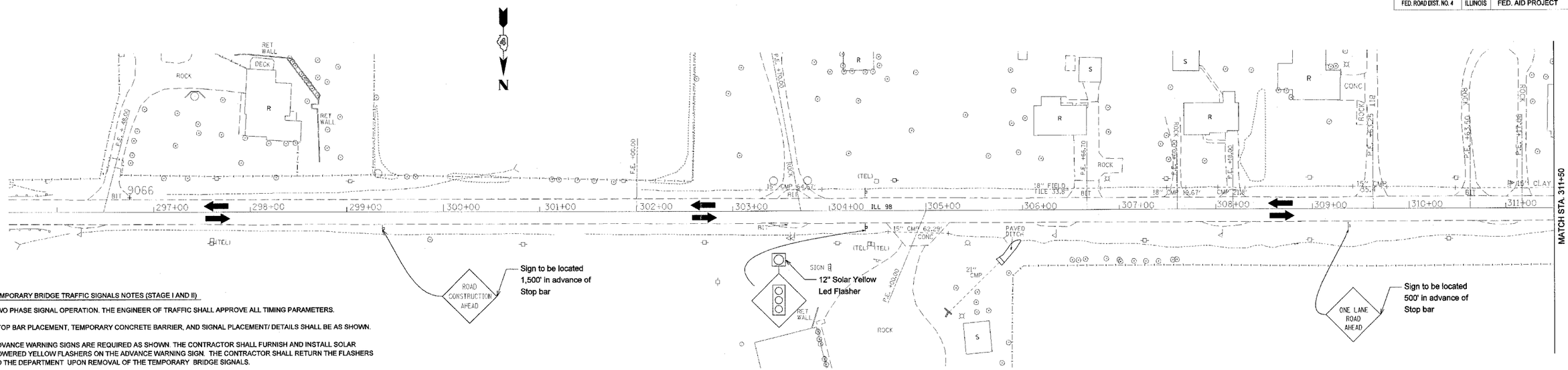
SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

STAGING PLANS

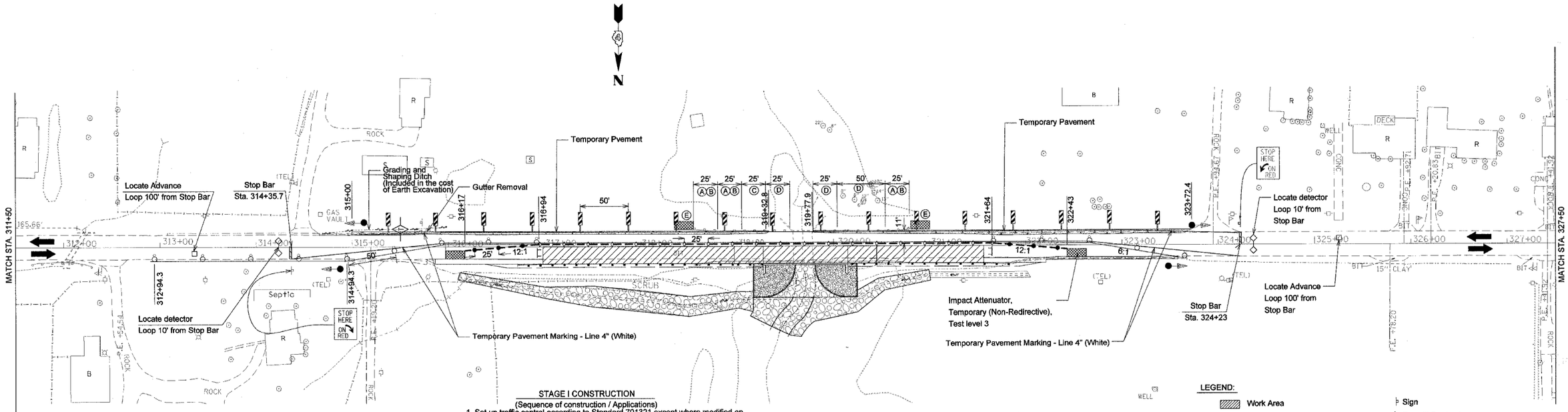
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	26
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



TEMPORARY BRIDGE TRAFFIC SIGNALS NOTES (STAGE I AND II)

1. TWO PHASE SIGNAL OPERATION. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
2. STOP BAR PLACEMENT, TEMPORARY CONCRETE BARRIER, AND SIGNAL PLACEMENT/ DETAILS SHALL BE AS SHOWN.
3. ADVANCE WARNING SIGNS ARE REQUIRED AS SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL SOLAR POWERED YELLOW FLASHERS ON THE ADVANCE WARNING SIGN. THE CONTRACTOR SHALL RETURN THE FLASHERS TO THE DEPARTMENT UPON REMOVAL OF THE TEMPORARY BRIDGE SIGNALS.
4. ALL TRAFFIC SIGNAL AND ADVANCE WARNING FLASHER SECTIONS SHALL HAVE 12" DIAMETER LENSES.
5. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
6. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL M.U.T.C.D. REQUIREMENTS.
7. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS AND PLAN SHEET DETAILS SHALL BE INCLUDED IN THE PRICE FOR THE TEMPORARY BRIDGE SIGNALS INSTALLATION, THERE WILL BE NO ADDITIONAL COMPENSATION.



PRIOR TO STAGE I CONSTRUCTION
(Sequence of construction / Applications)

1. Remove and Re-Erect Existing Steel Plate Beam Guardrail.
2. Construct Temporary Pavement for Eastbound lane
3. Remove Concrete Gutter from Lt. Sta. 314+62.7 to 315+80.4, Lt. Sta. 321+49.84 to 323+51.70 and install Temporary Ditch Check
4. Install Impact Attenuator Temporary (Non-Redirective), Test Level 3

STAGE I CONSTRUCTION
(Sequence of construction / Applications)

1. Set up traffic control according to Standard 701321 except where modified on this plan sheet.
2. Remove Existing Pavement and Rigth Side of the Bridge.
3. Remove Concrete Gutter from Rt. Sta. 321+84.79 to Sta. 323+57.96
4. Construct Rigth Side of Bridge, construct Bituminous Shoulder (5¼") , from Rt. Sta. 315+86 to 323+58, Install permanent Steel Plate Beam Guardrail, Binder Course and Temporary Ramp; Construct proposed ditch and riprap.
5. Set Up Traffic Control for Stage II according to Standard 701321.
6. Switch Traffic to Stage II.

NOTES:

A. Remove Existing Guardrail.
B. Install Temporary Steel Plate Beam Guardrail , Type A.
C. Remove and Re-Erect Steel Plate Beam Guardrail, Type A.
D. Existing Guardrail to remain.
E. Install Impact Attenuator Temporary (Non-Redirective), Test Level 3

LEGEND:

- Work Area
- Traffic Signal
- Temporary Concrete Barrier
- Impact Attenuator
- Drum with steady burning light
- Induction loop detector
- Temporary Pavement Marking - Line 4"
- Sign
- Type III Barricade
- Type C Bidirectional reflector
- Double vertical panel
- Steady burning lights and double vertical panels

PLOT DATE = 8/21/2006
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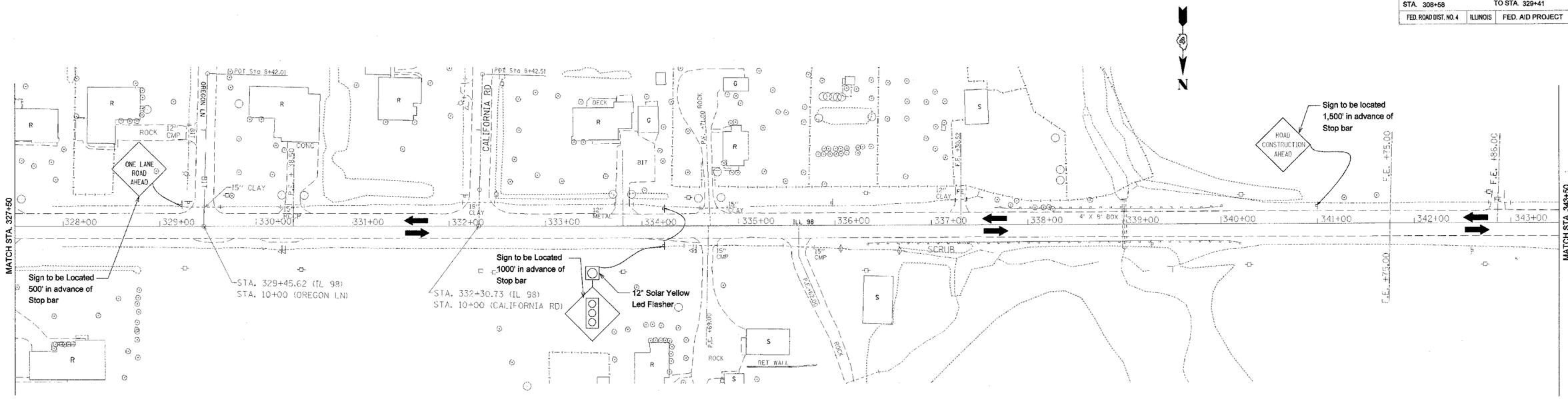
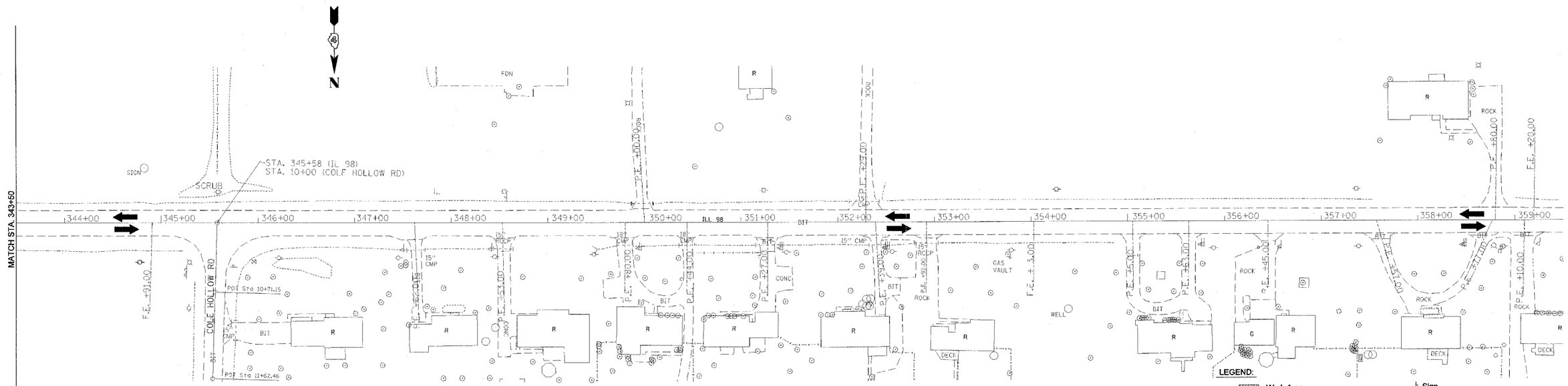
STAGE I PLANS

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	27
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		





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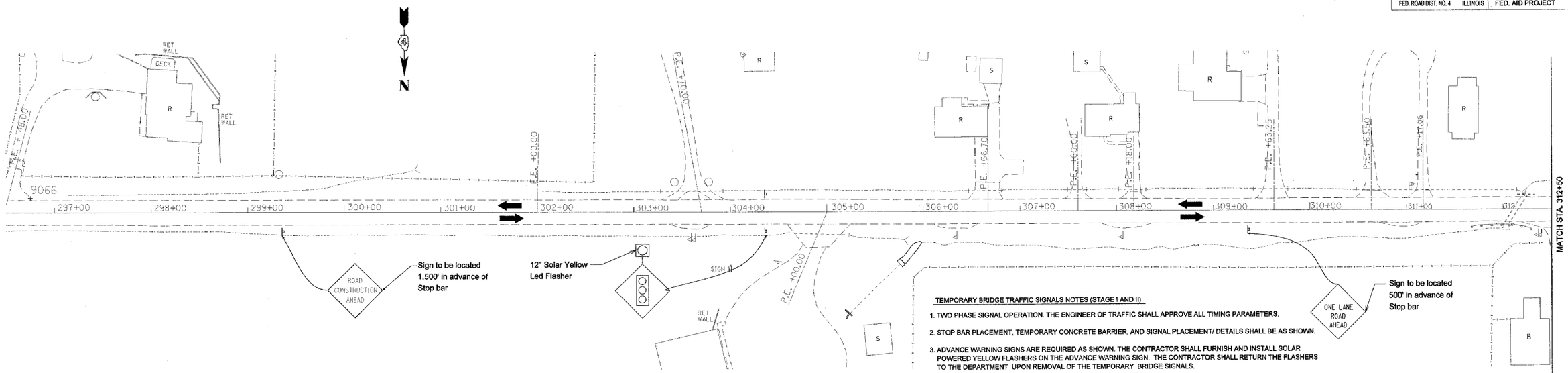
STAGE I PLANS

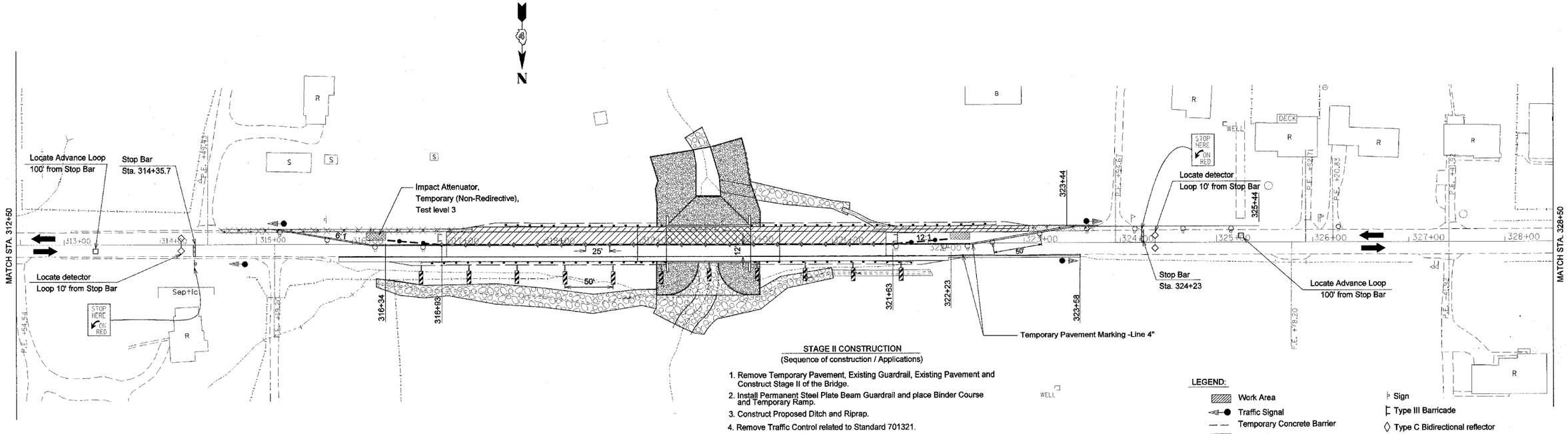
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	28
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



TEMPORARY BRIDGE TRAFFIC SIGNALS NOTES (STAGE I AND II)

1. TWO PHASE SIGNAL OPERATION. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
2. STOP BAR PLACEMENT, TEMPORARY CONCRETE BARRIER, AND SIGNAL PLACEMENT/ DETAILS SHALL BE AS SHOWN.
3. ADVANCE WARNING SIGNS ARE REQUIRED AS SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL SOLAR POWERED YELLOW FLASHERS ON THE ADVANCE WARNING SIGN. THE CONTRACTOR SHALL RETURN THE FLASHERS TO THE DEPARTMENT UPON REMOVAL OF THE TEMPORARY BRIDGE SIGNALS.
4. ALL TRAFFIC SIGNAL AND ADVANCE WARNING FLASHER SECTIONS SHALL HAVE 12" DIAMETER LENSES.
5. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
6. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL M.U.T.C.D. REQUIREMENTS.
7. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS AND PLAN SHEET DETAILS SHALL BE INCLUDED IN THE PRICE FOR THE TEMPORARY BRIDGE SIGNALS INSTALLATION, THERE WILL BE NO ADDITIONAL COMPENSATION.



STAGE II CONSTRUCTION
(Sequence of construction / Applications)

1. Remove Temporary Pavement, Existing Guardrail, Existing Pavement and Construct Stage II of the Bridge.
2. Install Permanent Steel Plate Beam Guardrail and place Binder Course and Temporary Ramp.
3. Construct Proposed Ditch and Riprap.
4. Remove Traffic Control related to Standard 701321.
5. Complete Resurfacing (leveling Binder & Surface Course) operation after Stage II is complete.
6. Place Permanent Pavement Marking

LEGEND:

- Work Area
- Traffic Signal
- Temporary Concrete Barrier
- Impact Attenuator
- Drum with steady burning light
- Induction loop detector
- Temporary Pavement Marking - Line 4"
- Sign
- Type III Barricade
- Type C Bidirectional reflector
- Double vertical panel
- Steady burning lights and double vertical panels

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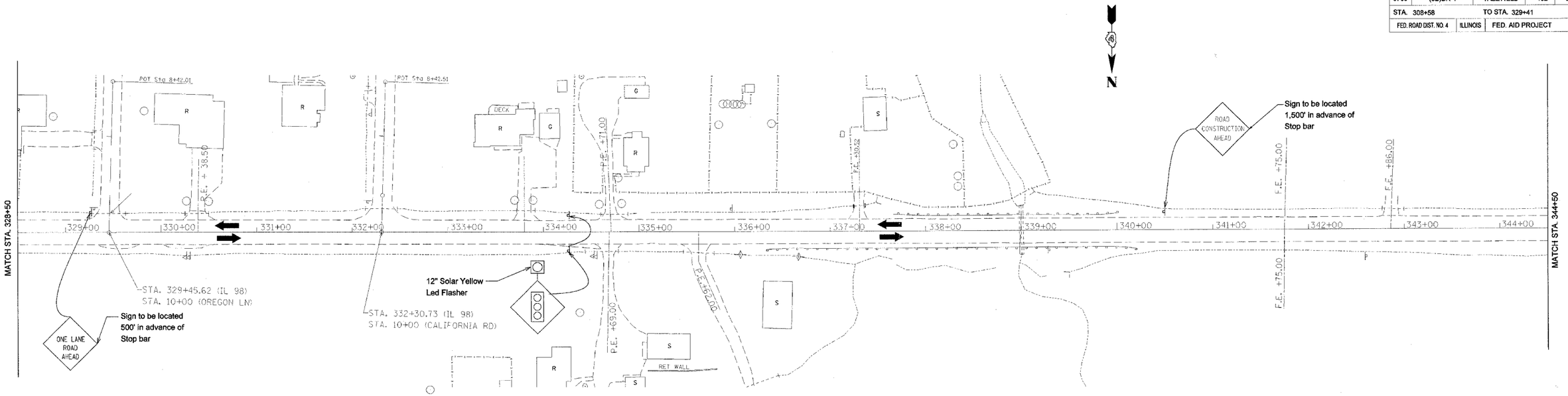
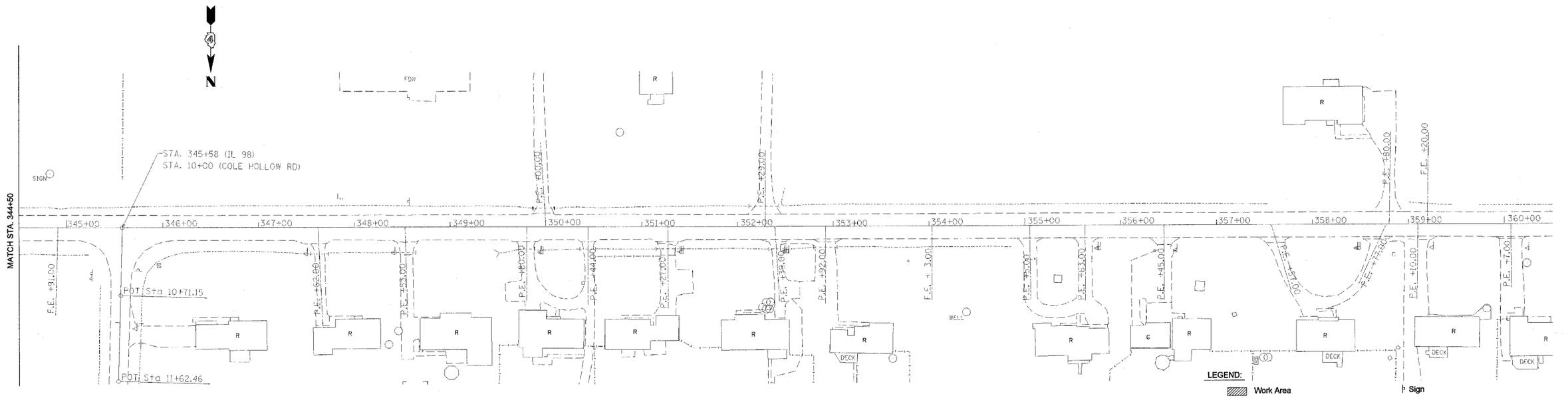
USER NAME = craspolo

STAGE II PLANS

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	29
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		





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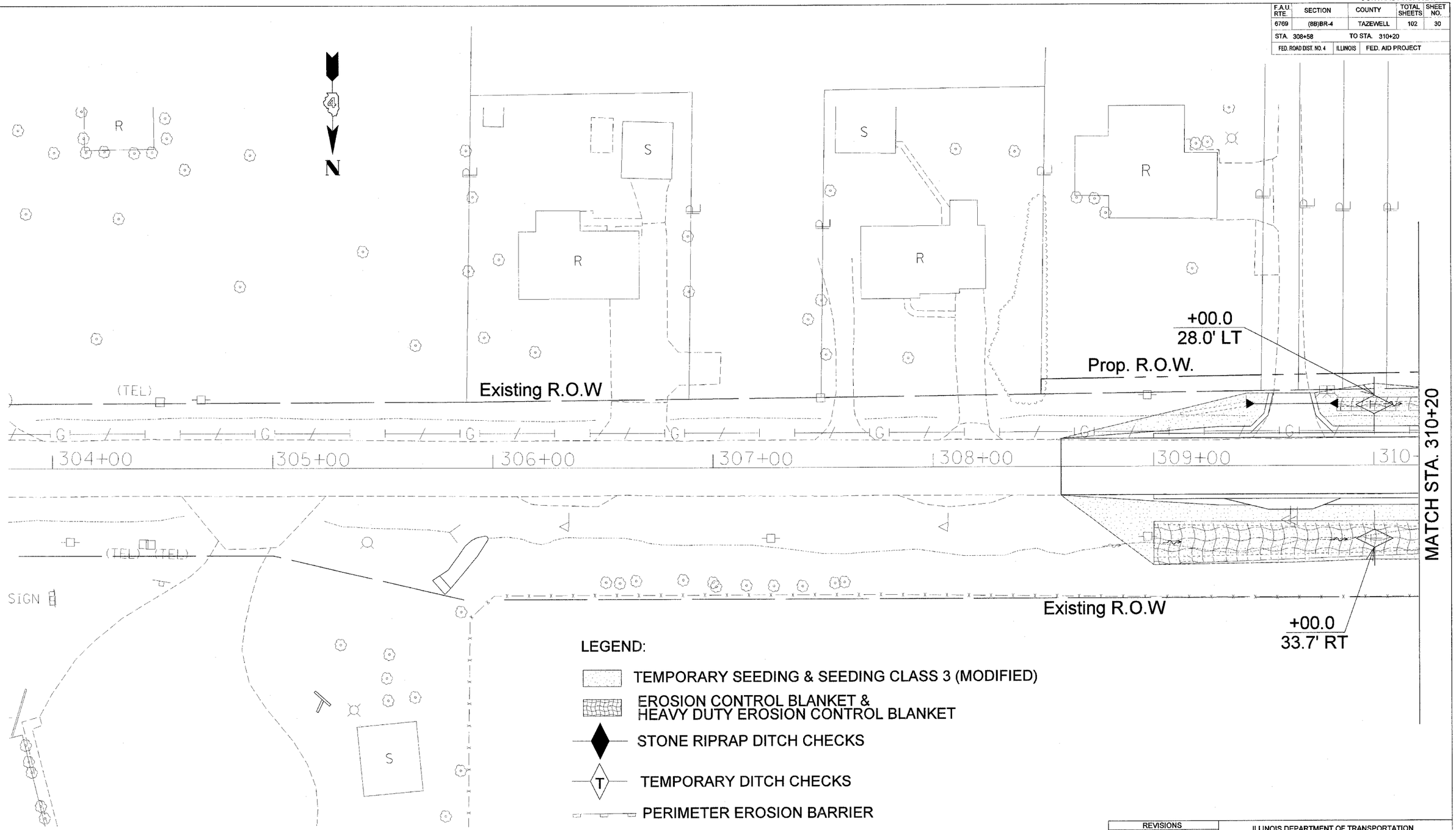
USER NAME = cmespole

STAGE II PLANS

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	30
STA. 308+58	TO STA. 310+20			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



LEGEND:

- TEMPORARY SEEDING & SEEDING CLASS 3 (MODIFIED)
- EROSION CONTROL BLANKET & HEAVY DUTY EROSION CONTROL BLANKET
- STONE RIPRAP DITCH CHECKS
- T — TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION SEDIMENT BASIN
- INLET AND PIPE PROTECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 8/21/2026
FILE NAME = c:\projects\11985\phase 1\erosion control.dgn
PLOT SCALE = 20.0000 ' / IN.
USER NAME = crespolo

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	31
STA. 310+20	TO STA. 316+60			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

Note:
** Use Temporary ditch check at this location during construction.

N

MATCH STA. 310+20

MATCH STA. 316+60

+50.0
28.0' LT

+00.0
28' LT

+87.0 **
50.0' LT

Prop. R.O.W.

HEAVY DUTY EROSION CONTROL BLANKET

Existing R.O.W

Septic

+50.0
33.3' RT

+00.0
31.4' RT

+50.0
30.0' RT

+70.0
37.8' RT

+90.0
37.8' RT

+10.0
37.8' RT

+28.0
40.8' RT

+50.0
43.8' RT

LEGEND:

- TEMPORARY SEEDING & SEEDING CLASS 3 (MODIFIED)
- EROSION CONTROL BLANKET & HEAVY DUTY EROSION CONTROL BLANKET
- STONE RIPRAP DITCH CHECKS
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION SEDIMENT BASIN
- INLET AND PIPE PROTECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 8/21/2006
FILE NAME = c:\projects\1198\phase 1\erosion control.dgn
PLOT SCALE = 20.0000 ' / IN.
USER NAME = crespolo

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	32
STA. 316+60		TO STA. 323+00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

Sediment Basin
Maintain 8' Max width
30' Max Length, and
6' Max Depth as shown in
Std. 280001

Note:
** Use Temporary ditch check at this location during construction.

MATCH STA. 316+60

MATCH STA. 323+00

317+00 318+00 319+00 320+00 321+00 322+00

HEAVY DUTY EROSION CONTROL BLANKET

SCRUB

+67.6** 51.5' LT
+00.0 61.4' LT
+00.0 55.5' LT
+50.0 56.5' LT
+00.0 59.5' LT
+50.0** 49.2' LT
+00.0** 41.1' LT
+50.0** 36.3' LT

+69.3 48.1' RT
+00.0** 51.5' RT
+50.0 52.2' RT
+00.0 56.0' RT
+50.0 62.3' RT
+00.0** 54.5' RT
+50.0** 41.0' RT
+50.0 30.8' RT

Existing R.O.W

Prop. R.O.W.

LEGEND:

- TEMPORARY SEEDING & SEEDING CLASS 3 (MODIFIED)
- EROSION CONTROL BLANKET & HEAVY DUTY EROSION CONTROL BLANKET
- STONE RIPRAP DITCH CHECKS
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION SEDIMENT BASIN
- INLET AND PIPE PROTECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 8/21/2025
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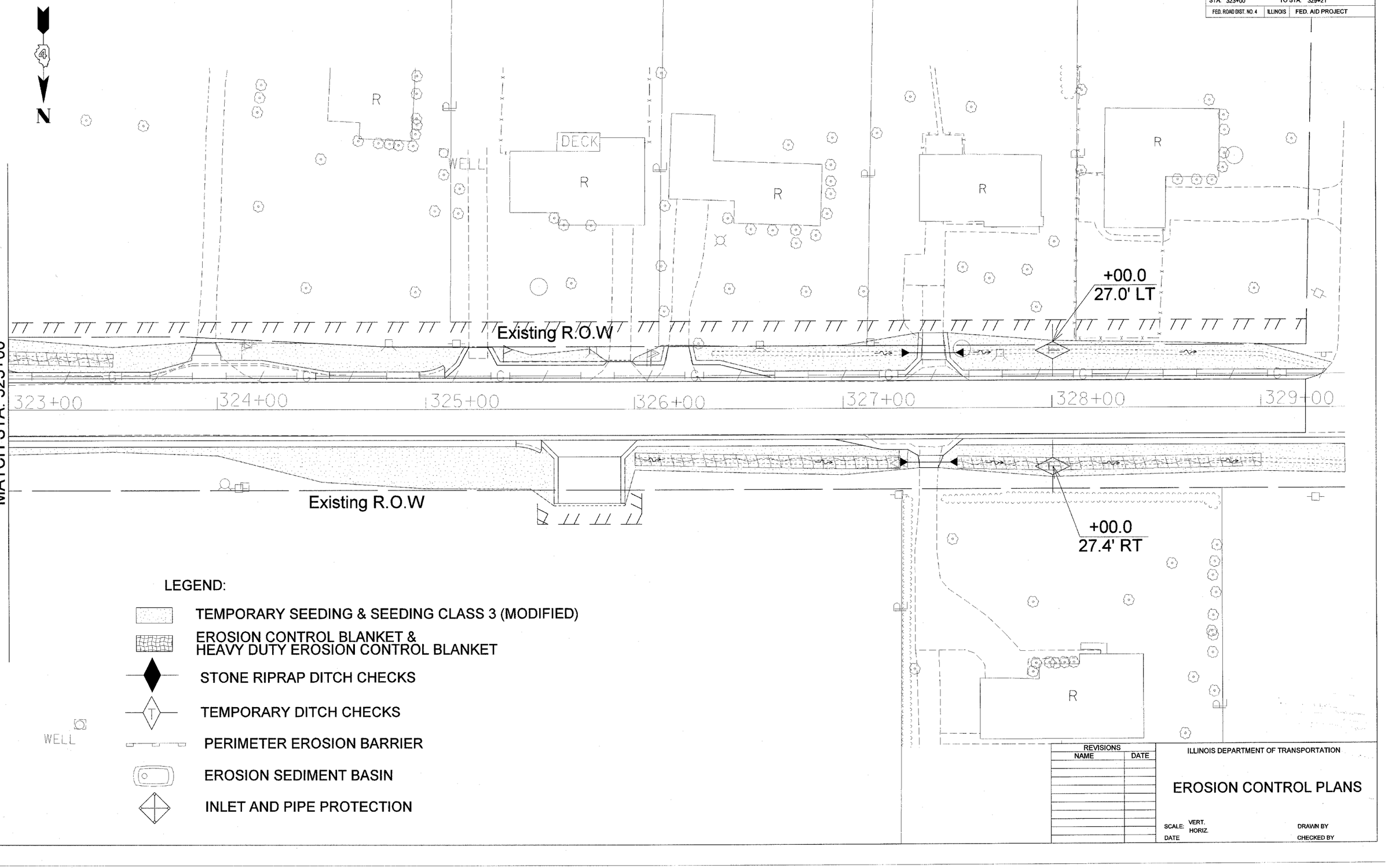
PLOT SCALE = 20.000 ' / IN.
USER NAME = creagale

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6759	(8B)BR-4	TAZEWELL	102	33
STA. 323+00		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



LEGEND:

- TEMPORARY SEEDING & SEEDING CLASS 3 (MODIFIED)
- EROSION CONTROL BLANKET & HEAVY DUTY EROSION CONTROL BLANKET
- STONE RIPRAP DITCH CHECKS
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION SEDIMENT BASIN
- INLET AND PIPE PROTECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 8/22/2005
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PLOT SCALE = 20.0000 ' / IN.
USER NAME = crespole

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	34
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

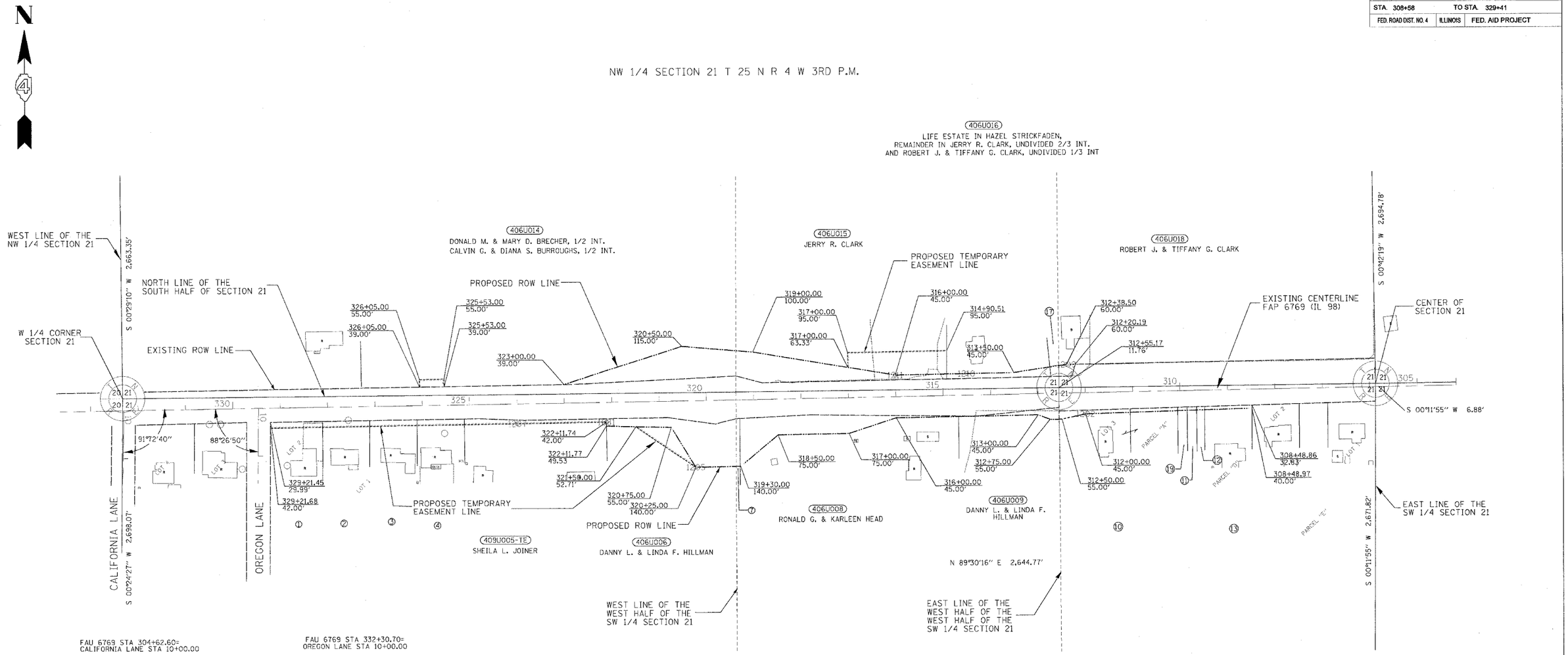
APPROVED BY _____ DIST. ENGINEER

DATE _____

Field Book 2793

il98/il98row.m32
inp01row.jpf
jobrow.gpk

DRAWN BY _____
WRITTEN BY _____
CHECKED BY _____
INSPECTED BY _____



SW 1/4 SECTION 21 T 25 N R 4 W 3RD P.M.

①	TROY A. & DIANE DUBOIS	406U001-TE	⑩	FRANK G. & LILY M. GOTTMAN	406U010
②	HENRY A. SWEET, JR.	406U002-TE	⑪	FRANCIS CHALCRAFT	406U011
③	NATHAN F. RIPPER	406U003-TE	⑫	PAUL GERALD ANTONINI, JR.	406U012
④	JERRY D. CRAMER, JR.	406U004-TE	⑬	JOYCE M. NIBBELIN	406U013
⑦	DONNA DOUGAN	406U007	⑰	LIFE ESTATE IN HAZEL STRICKFADEN, REMAINDER IN JERRY R. CLARK	406U017
			⑲	DANIEL FOGAL	406U019

Grid Factor = 0.999949
East Zone

NW Corner Section 21	1,437,424.5811,	2,462,434.9153
W 1/4 Corner Section 21	1,434,761.3228,	2,462,457.5208
SW Corner Section 21	1,432,063.3218,	2,462,438.3343
S 1/4 Corner Section 21	1,432,087.7511,	2,463,759.9883
SE Corner Section 21	1,432,161.0713,	2,467,726.7063
E 1/4 Corner Section 21	1,434,816.5873,	2,467,713.1373
NE Corner Section 21	1,437,476.8763,	2,467,691.7278
N 1/4 Corner Section 21	1,437,478.7704,	2,465,069.0317

FOR OLD R.O.W. SEE PLATFILE "6" SHEET 38

PLATFILE 532

JOB NO. R-94-006-03

RIGHT OF WAY PLANS
FAU **ROUTE** 6769 (IL 98)

PROJECT _____ SECTION (8B)BR-4
STATION 308+48.86 TO
STATION 329+21.68
COUNTY TAZEWELL
SHEET 1 OF 1

Bench Mark: Chiseled "□" on the N.W. wingwall of S.N. 090-0086 Elev. 628.74

Existing Structure: S.N. 090-0086 Built in 1917, as Route 9 Section 8A & 8B, at Station 319+70.
The structure consists of a single span reinforced concrete slab bridge supported on closed abutments.
22'-0" Bk. to Bk. abutments. 32'-2" O.-O. The structure is to be removed and replaced.
One lane of traffic will be maintained with the use of traffic activated signals during stage construction.

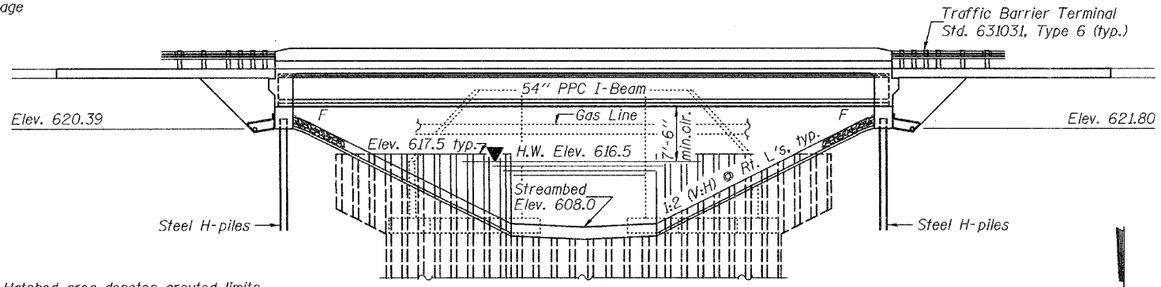
No salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	35
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

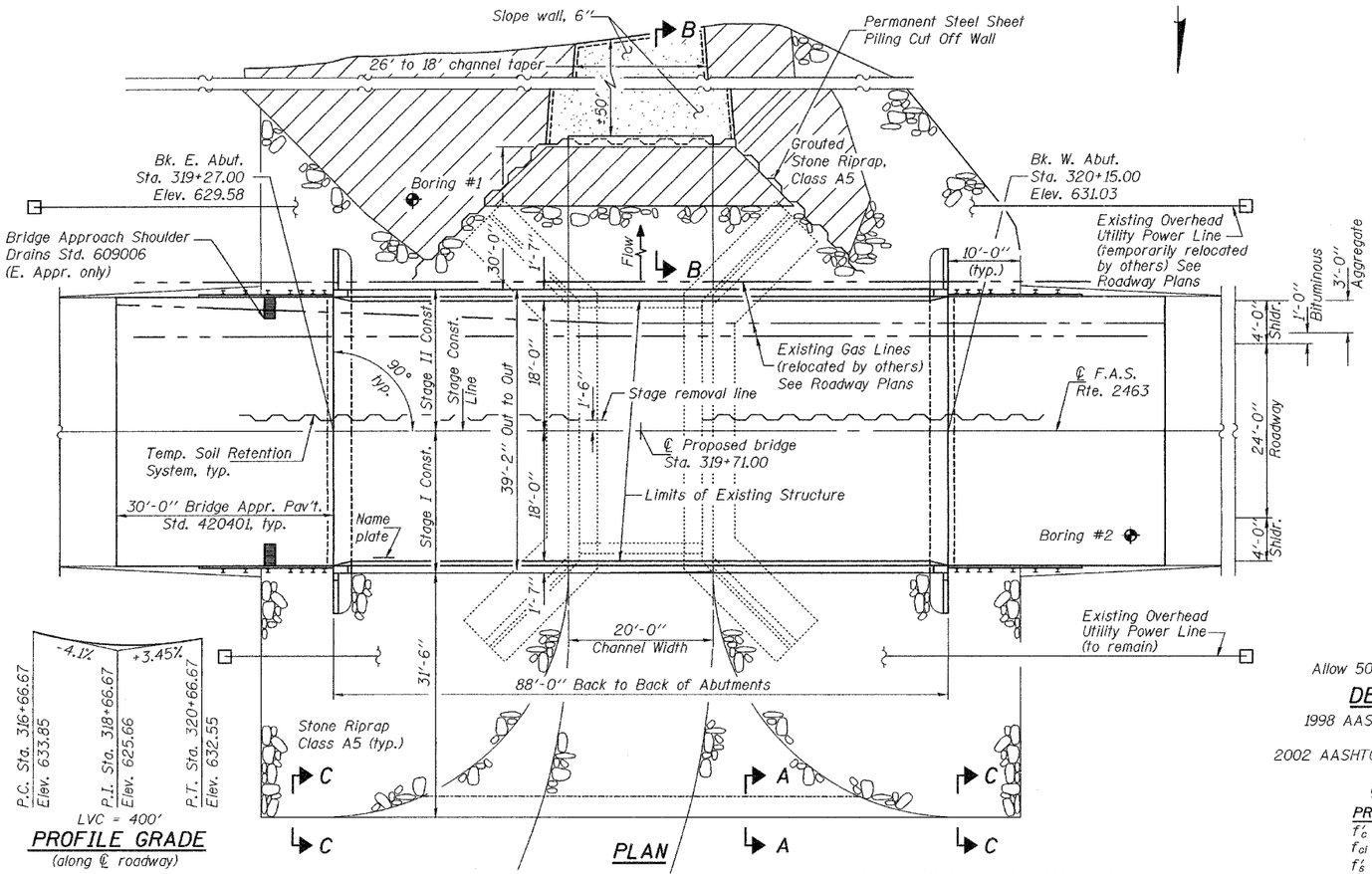
SHEET NO. 1
16 SHEETS

Contract No. 68247



Notes: Hatched area denotes grouted limits.
For Section B-B, see sheet 2 of 16.

ELEVATION



PROFILE GRADE
(along ℄ roadway)

PLAN

INDEX OF SHEETS

STATION 319+71
BUILT 20 BY
STATE OF ILLINOIS
F.A.U. 6769 SEC. (8B)BR-4
LOADING HL93
STRUCTURE NO. 090-0173

NAME PLATE
See Std. 515001

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

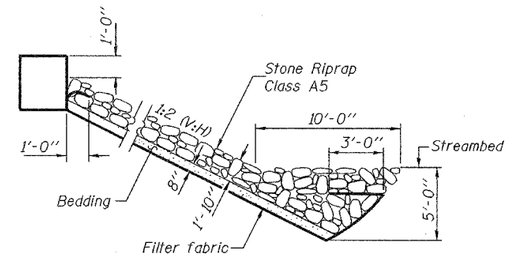
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

All construction joints shall be bonded.

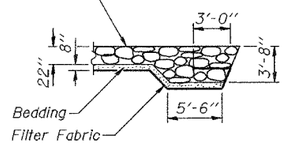
Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I removal.

Slope wall shall be reinforced with welded wire fabric, 4"x 4"-W6.0 x W6.0, weighing 127 lbs per 100 sq. ft.

The Contractor shall drive two steel HP12x74 test piles in a permanent location one at each abutment as directed by the Engineer before ordering the remainder of piles.



SECTION C-C



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		207	207
Stone Riprap, Class A5	Sq. Yd.		1612	1612
Filter Fabric	Sq. Yd.		1612	1612
Grout for Use with Riprap	Cu. Yd.		42	42
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		100	100
Driving Piles	Foot		515	515
Geocomposite Wall Drain	Sq. Yd.		92	92
Pipe Underdrains for Structures 4"	Foot		153	153
Concrete Structures	Cu. Yd.		39.9	39.9
Concrete Superstructure	Cu. Yd.	143.3		143.3
Bridge Deck Grooving	Sq. Yd.	332		332
Protective Coat	Sq. Yd.	427		427
Furnishing and Erecting Precast Prestressed Concrete I Beams, 54"	Foot	519		519
Stud Shear Connectors	Each		120	120
Reinforcement Bars, Epoxy Coated	Pound	23470	6140	34610
Furnishing Steel Piles HP12x74	Foot		515	515
Test Pile Steel HP12x74	Each		2	2
Permanent Steel Sheet Piling	Sq. Ft.		1614	1614
Name Plates	Each			1
Bar Splicers	Each	318	20	338
Temporary Soil Retention System	Sq. Ft.		1123	1123
Slope Wall, 6"	Sq. Yd.		123	123

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

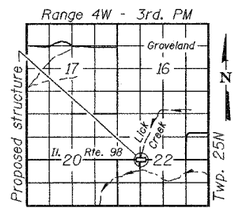
DESIGN SPECIFICATIONS
1998 AASHTO LRFD Bridge Design Specifications with 1999 thru 2005 Interims.
2002 AASHTO Division I-A Seismic Design Specifications

DESIGN STRESSES

PRECAST PRESTRESSED UNITS
f'_c = 6,000 psi
f_{ci} = 5,000 psi (reinforcement)
f'_s = 270,000 psi (½" ϕ low lax strands)
f_{si} = 201,960 psi (½" ϕ low lax strands)

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.3%g
Site Coefficient (S) = 1.0



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 1.36 mi.² Low Grade Elev. 628.4 @ Sta. 319+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	720	120	132	614.6	1.4	1.4	616.0	616.0
Design	50	1220	158	170	616.5	2.0	2.0	618.5	618.5
Base	100	1440	172	184	617.2	2.3	2.3	619.5	619.5
Max. Calc.	500	1990	202	263	618.7	2.9	2.9	621.6	621.6

DESIGNED	Mark Stuffle
CHECKED	David F. Boehlke
DRAWN	h.t. duong
CHECKED	MDS / HJB

EXAMINED Thomas Domyslaski Sep. 12. 2006
ENGINEER OF BRIDGE DESIGN
PASSED Robert E. Arlinghaus
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS RALPH E. ANDERSON 081-004625 LICENSED STRUCTURAL ENGINEER SPRINGFIELD

EXPIRES 11-30-2006

GENERAL PLAN & ELEVATION
IL. ROUTE 98 OVER
LICK CREEK
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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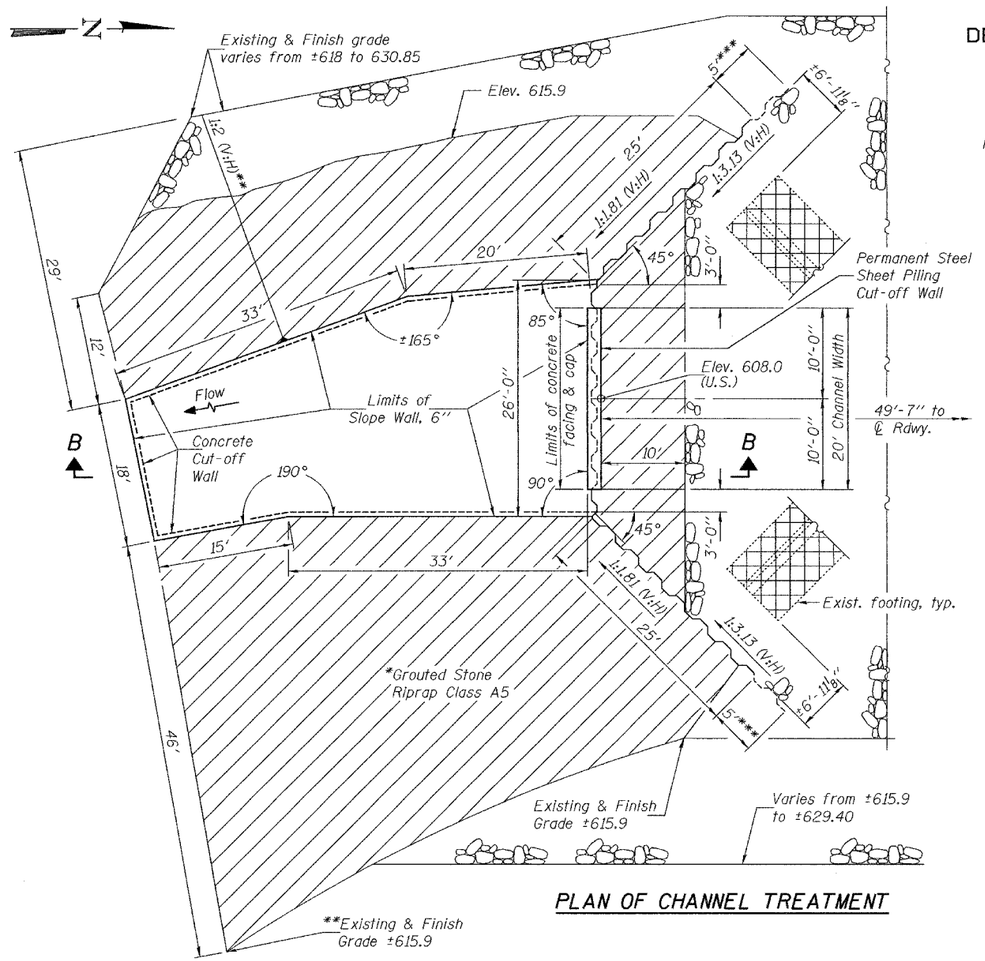
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

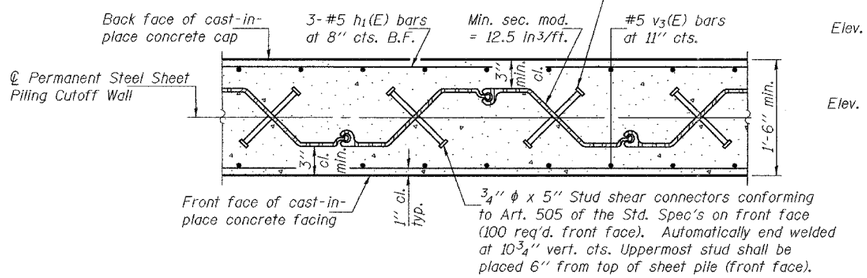
SHEET NO. 2
16 SHEETS

Contract No. 68247

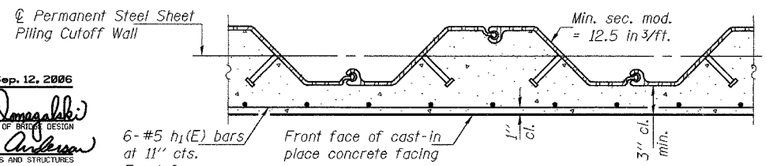


PLAN OF CHANNEL TREATMENT

Notes:
- *Hatch area indicates grouted limits
- **Reshape existing slopes 1:2 (V:H) (min.)
- ***Min. length of buried sheet piling
- Cross-hatched area indicates Removal of Existing Structures.



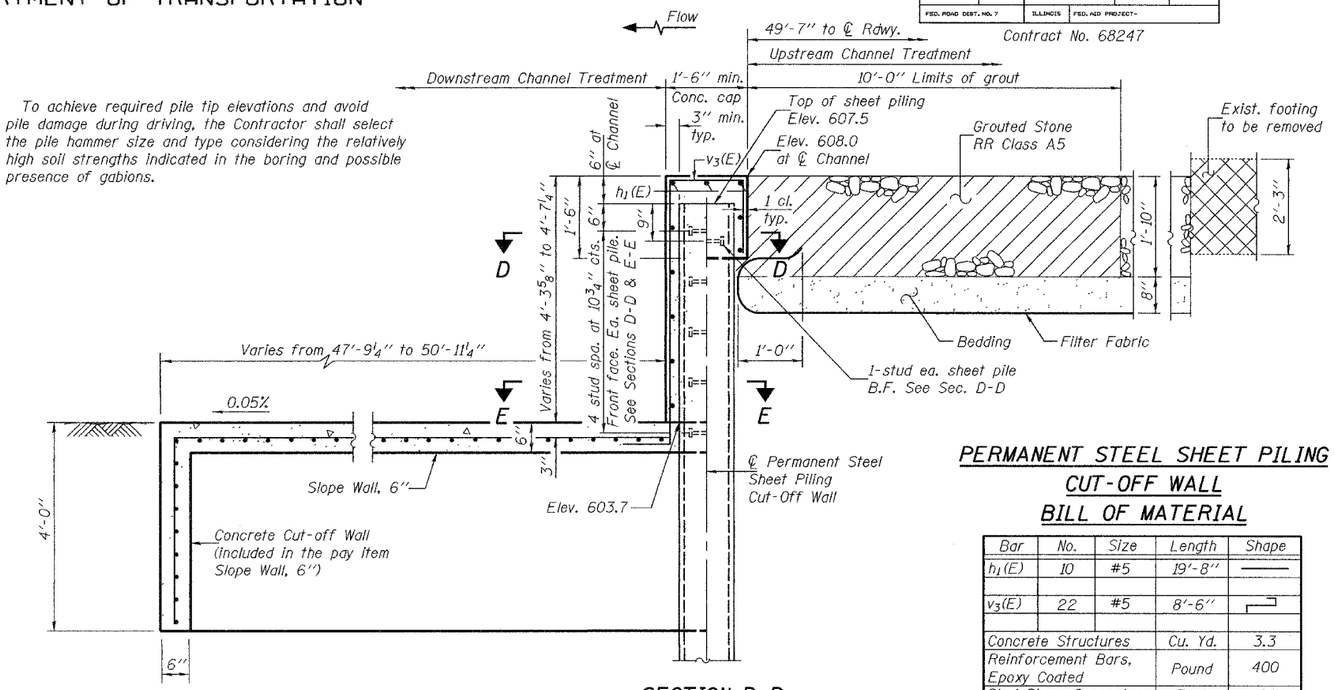
SECTION D-D



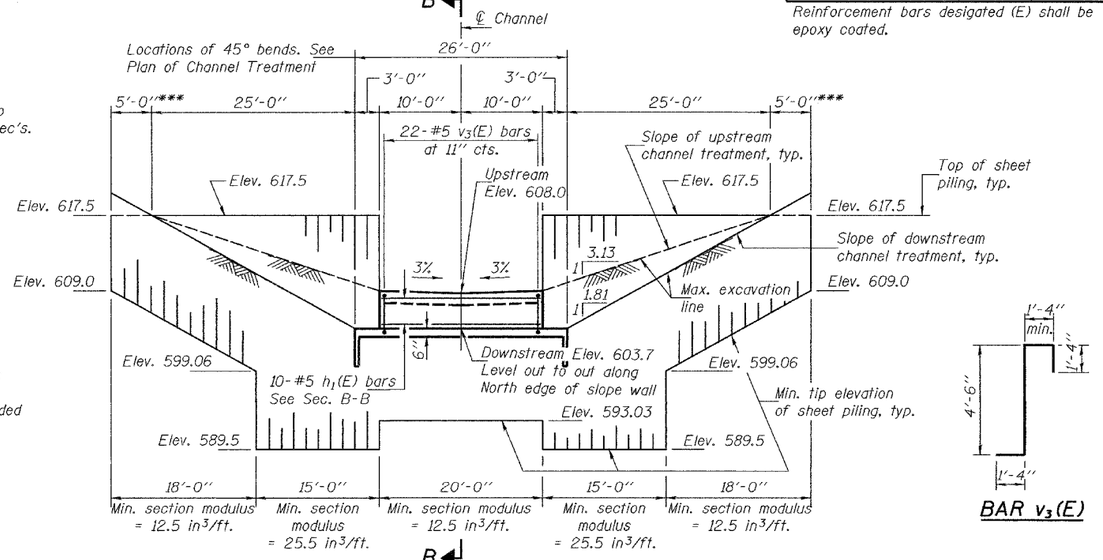
SECTION E-E

DESIGNED	NHB/MDS
CHECKED	AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



SECTION B-B



ELEVATION OF PERMANENT STEEL SHEET PILING CUT-OFF WALL

Looking north (Upstream)
Distance measured along face of cut-off wall

PERMANENT STEEL SHEET PILING CUT-OFF WALL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_1(E)$	10	#5	19'-8"	
$v_3(E)$	22	#5	8'-6"	
Concrete Structures			Cu. Yd.	3.3
Reinforcement Bars, Epoxy Coated			Pound	400
Stud Shear Connectors			Each	120
Permanent Steel Sheet Piling			Sq. Ft.	1614

Reinforcement bars desigated (E) shall be epoxy coated.

BAR $v_3(E)$

CHANNEL TREATMENT DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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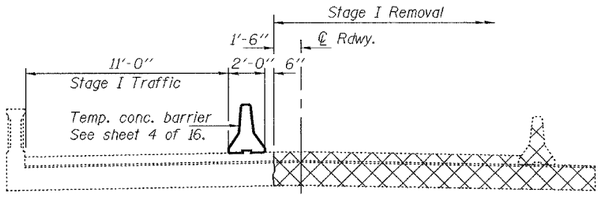
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

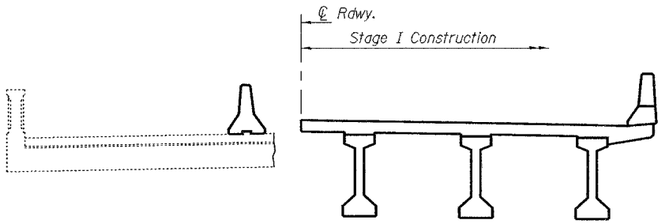
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	37
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3
16 SHEETS

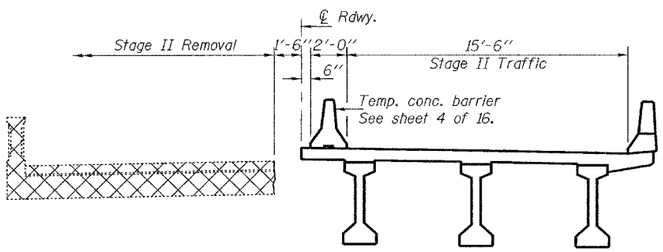
Contract No. 68247



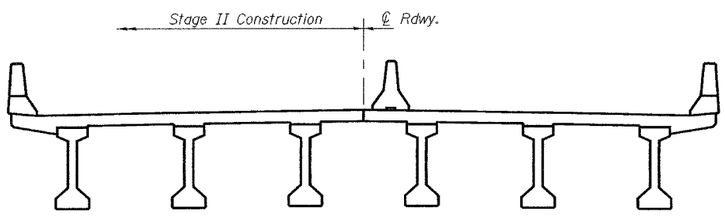
STAGE I REMOVAL



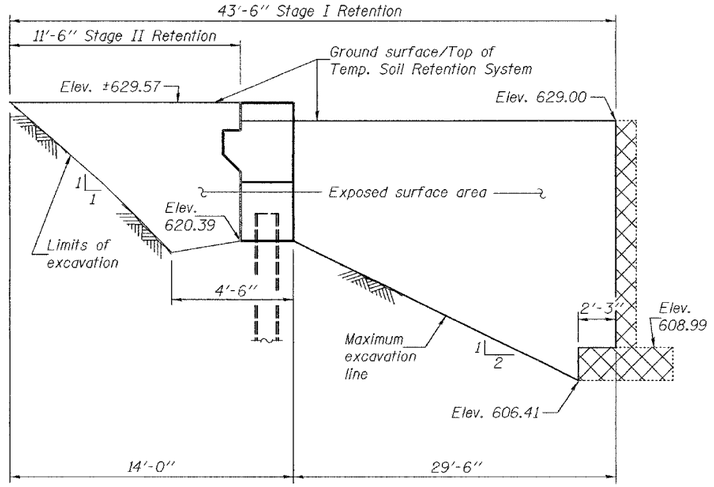
STAGE I CONSTRUCTION



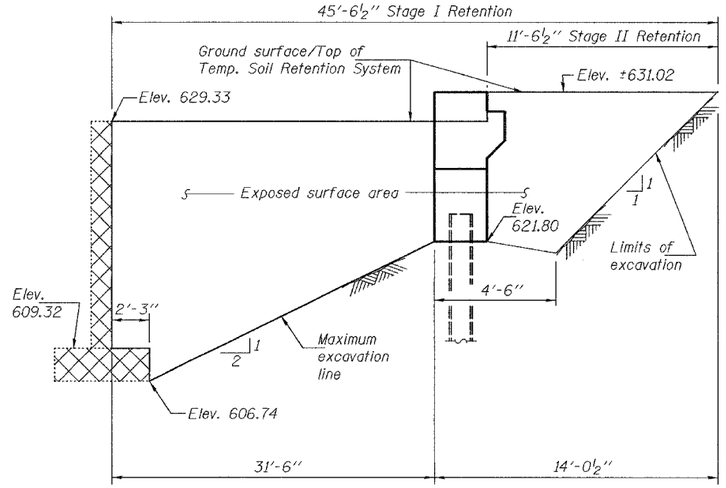
STAGE II REMOVAL



STAGE II CONSTRUCTION



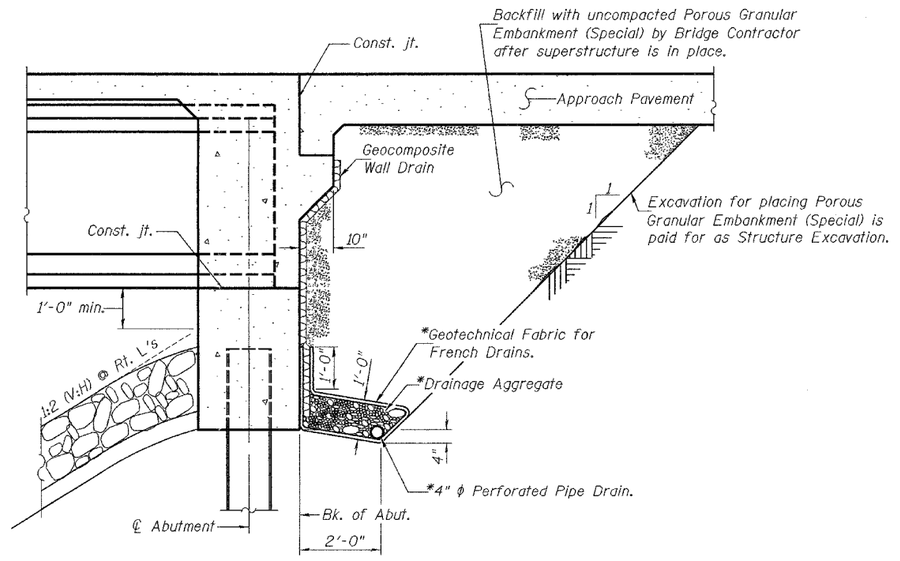
EAST ABUTMENT
Looking south



WEST ABUTMENT
Looking south

TEMPORARY SOIL RETENTION SYSTEM

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



SECTION THRU INTEGRAL ABUTMENT

* Cost included with Pipe Underdrains for Structures, 4".

Notes: Cross-hatched areas indicates Removal of Existing Structures.
See roadway plans for quantity of temporary concrete barrier.
All staging cross sections are looking west.
All drainage components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipe shall drain onto concrete headwalls. (See Article 601.05 of the Std. Spec's. and Highway Standard 601101).

DESIGNED	MDS
CHECKED	AJB/DFZ
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12. 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA & STAGE CONSTRUCTION DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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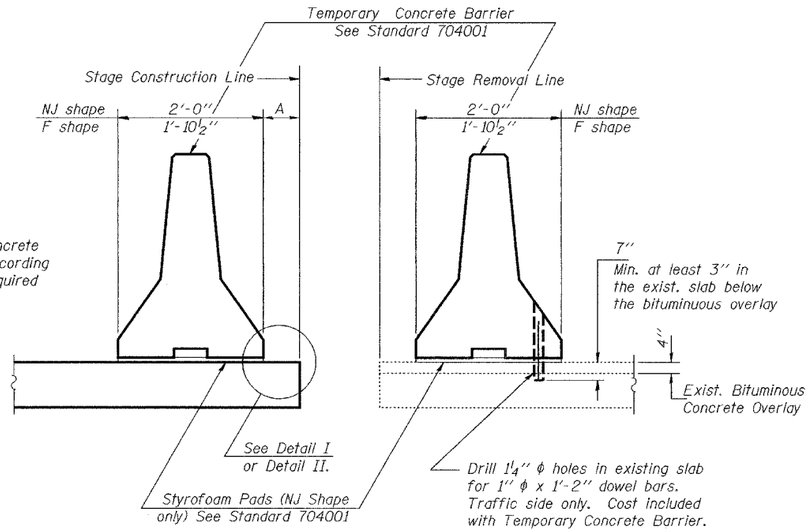
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	38
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 4
16 SHEETS

Contract No. 68247



When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

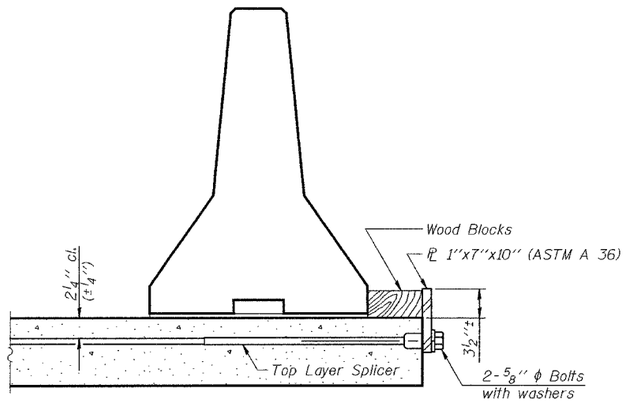
NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel ℙ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel ℙ to the concrete slab with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

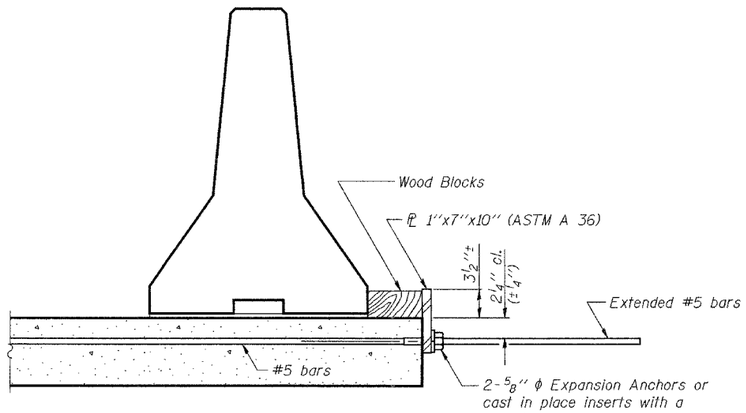
Cost of anchorage is included with Temporary Concrete Barrier.

SECTIONS THRU SLAB



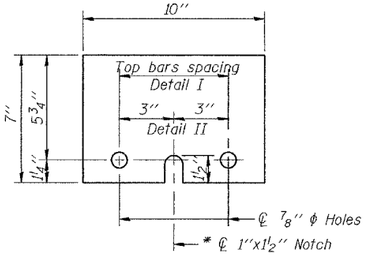
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



ℙ 1"x7"x10"

* Required only with Detail II

DESIGNED	MDS
CHECKED	AJB/DFZ
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12. 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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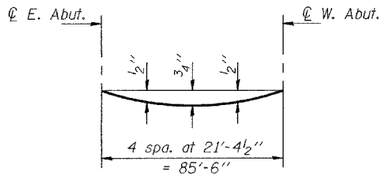
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	39
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
16 SHEETS

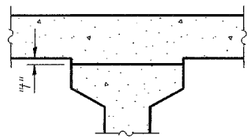
Contract No. 68247



DEAD LOAD DEFLECTION DIAGRAM

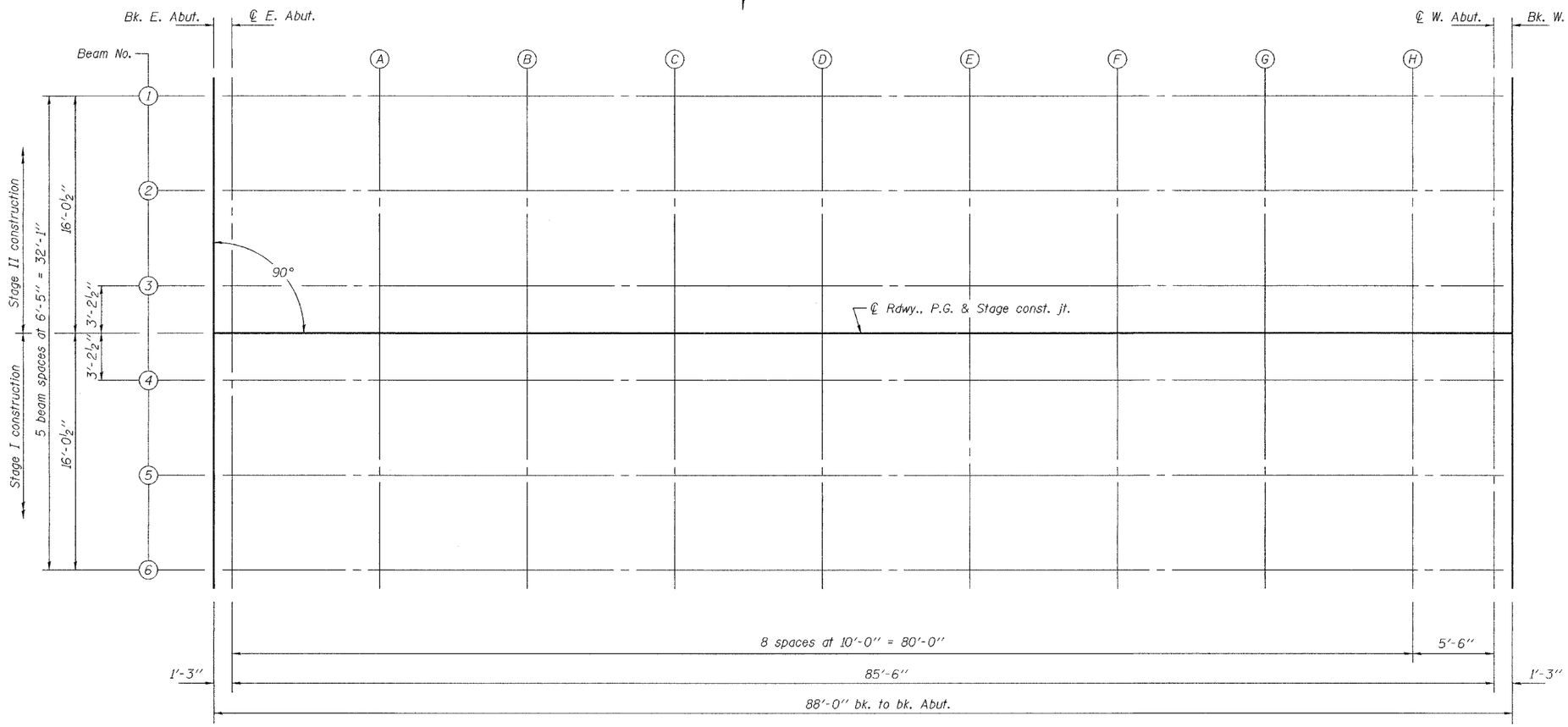
(Includes weight of concrete, excluding beams).

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevation adjusted for dead load deflections as shown on sheet 6 of 16.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 6 of 16, minus slab thickness, equal the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS



PLAN

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

...\projects\ht000025\090173.dgn 9/13/2006 11:00:56 AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 6
16 SHEETS

Contract No. 68247

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	-16.04	629.31	629.31
CL E Abut	31928.25	-16.04	629.32	629.32
A	31938.25	-16.04	629.41	629.44
B	31948.25	-16.04	629.53	629.57
C	31958.25	-16.04	629.66	629.71
D	31968.25	-16.04	629.81	629.87
E	31978.25	-16.04	629.98	630.04
F	31988.25	-16.04	630.16	630.22
G	31998.25	-16.04	630.37	630.40
H	32008.25	-16.04	630.60	630.61
CL W Abut	32013.75	-16.04	630.73	630.73
Bk W Abut	32015.00	-16.04	630.76	630.76

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	-9.63	629.43	629.43
CL E Abut	31928.25	-9.63	629.44	629.44
A	31938.25	-9.63	629.54	629.56
B	31948.25	-9.63	629.65	629.69
C	31958.25	-9.63	629.78	629.84
D	31968.25	-9.63	629.93	629.99
E	31978.25	-9.63	630.10	630.16
F	31988.25	-9.63	630.28	630.34
G	31998.25	-9.63	630.49	630.53
H	32008.25	-9.63	630.72	630.73
CL W Abut	32013.75	-9.63	630.85	630.85
Bk W Abut	32015.00	-9.63	630.88	630.88

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	-3.21	629.53	629.53
CL E Abut	31928.25	-3.21	629.54	629.54
A	31938.25	-3.21	629.64	629.66
B	31948.25	-3.21	629.75	629.79
C	31958.25	-3.21	629.88	629.94
D	31968.25	-3.21	630.03	630.10
E	31978.25	-3.21	630.20	630.26
F	31988.25	-3.21	630.38	630.44
G	31998.25	-3.21	630.59	630.63
H	32008.25	-3.21	630.82	630.83
CL W Abut	32013.75	-3.21	630.95	630.95
Bk W Abut	32015.00	-3.21	630.98	630.98

℄ ROADWAY, P.G. & STAGE CONST. JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	0.00	629.58	629.58
CL E Abut	31928.25	0.00	629.59	629.59
A	31938.25	0.00	629.69	629.71
B	31948.25	0.00	629.80	629.84
C	31958.25	0.00	629.93	629.99
D	31968.25	0.00	630.08	630.15
E	31978.25	0.00	630.25	630.31
F	31988.25	0.00	630.43	630.49
G	31998.25	0.00	630.64	630.68
H	32008.25	0.00	630.87	630.88
CL W Abut	32013.75	0.00	631.00	631.00
Bk W Abut	32015.00	0.00	631.03	631.03

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	3.21	629.53	629.53
CL E Abut	31928.25	3.21	629.54	629.54
A	31938.25	3.21	629.64	629.66
B	31948.25	3.21	629.75	629.79
C	31958.25	3.21	629.88	629.94
D	31968.25	3.21	630.03	630.10
E	31978.25	3.21	630.20	630.26
F	31988.25	3.21	630.38	630.44
G	31998.25	3.21	630.59	630.63
H	32008.25	3.21	630.82	630.83
CL W Abut	32013.75	3.21	630.95	630.95
Bk W Abut	32015.00	3.21	630.98	630.98

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	9.63	629.43	629.43
CL E Abut	31928.25	9.63	629.44	629.44
A	31938.25	9.63	629.54	629.56
B	31948.25	9.63	629.65	629.69
C	31958.25	9.63	629.78	629.84
D	31968.25	9.63	629.93	629.99
E	31978.25	9.63	630.10	630.16
F	31988.25	9.63	630.28	630.34
G	31998.25	9.63	630.49	630.53
H	32008.25	9.63	630.72	630.73
CL W Abut	32013.75	9.63	630.85	630.85
Bk W Abut	32015.00	9.63	630.88	630.88

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk E Abut	31927.00	16.04	629.31	629.31
CL E Abut	31928.25	16.04	629.32	629.32
A	31938.25	16.04	629.41	629.44
B	31948.25	16.04	629.53	629.57
C	31958.25	16.04	629.66	629.71
D	31968.25	16.04	629.81	629.87
E	31978.25	16.04	629.98	630.04
F	31988.25	16.04	630.16	630.22
G	31998.25	16.04	630.37	630.40
H	32008.25	16.04	630.60	630.61
CL W Abut	32013.75	16.04	630.73	630.73
Bk W Abut	32015.00	16.04	630.76	630.76

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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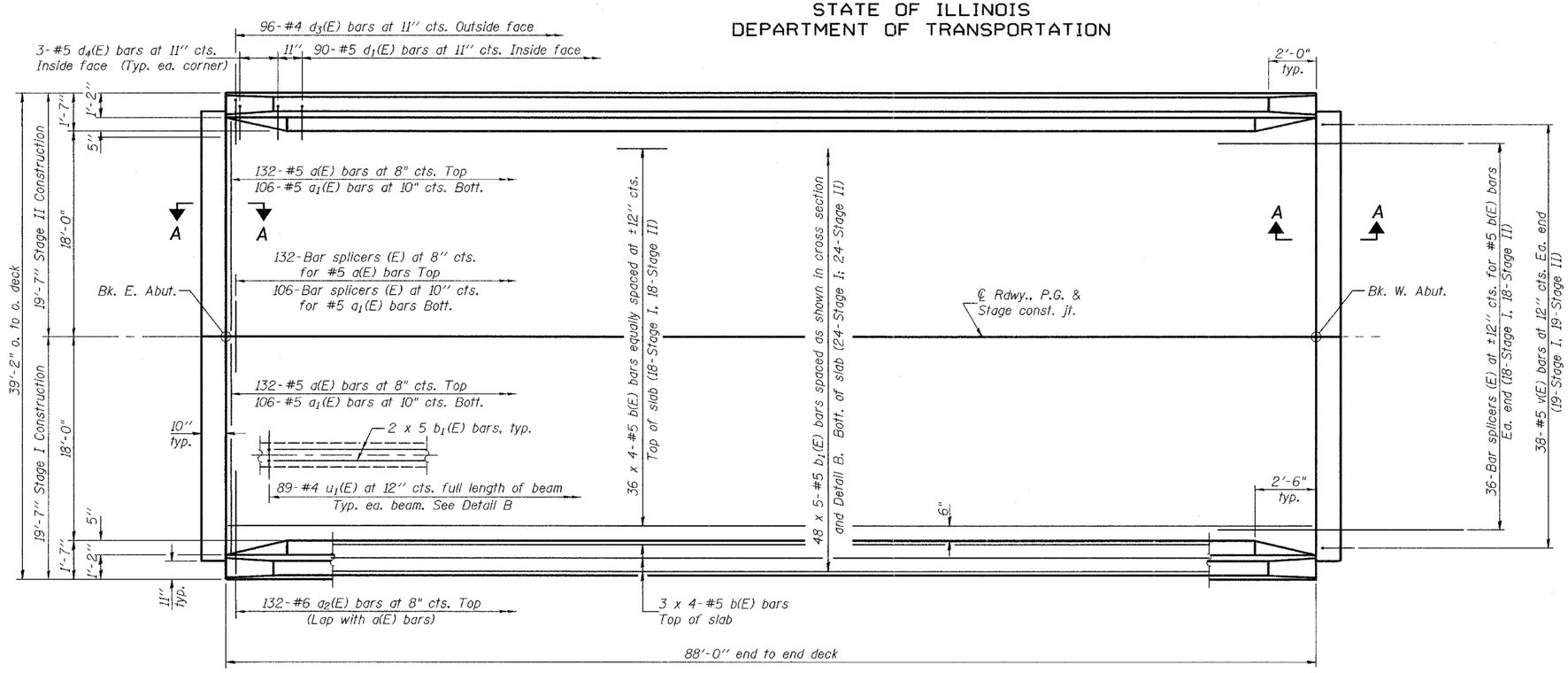
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

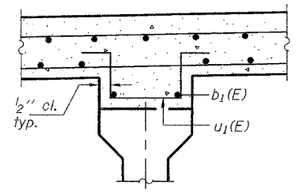
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	41
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
16 SHEETS

Contract No. 68247



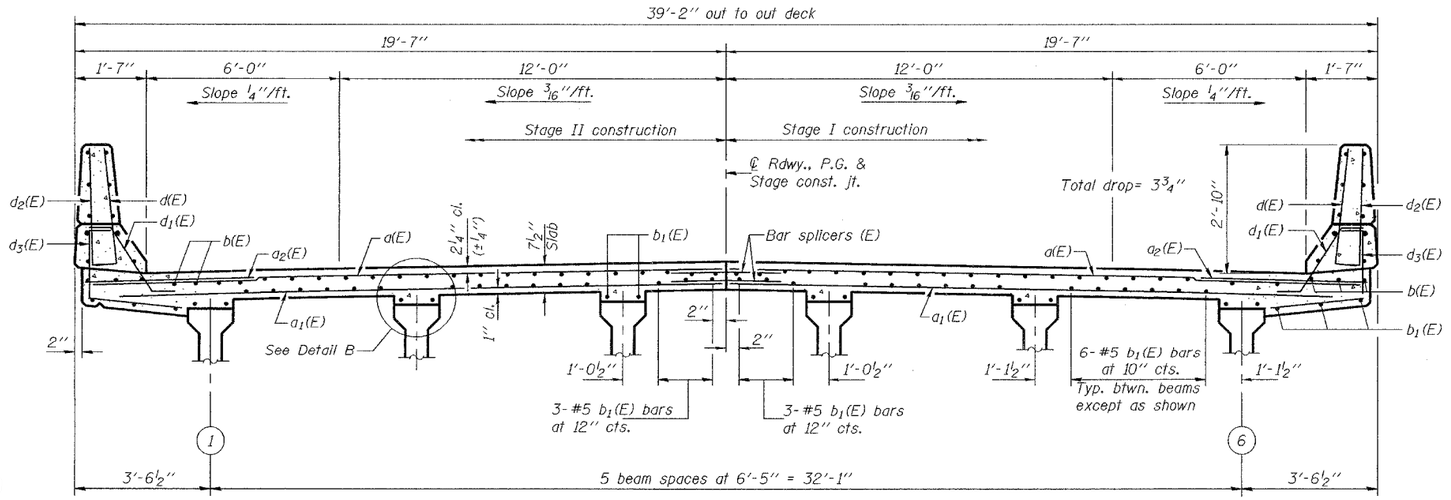
PLAN



DETAIL B
Typical each beam

Notes:
See sheet 8 of 16 for superstructure details and Bill of Material.
See sheet 9 of 16 for Section A-A and diaphragm details.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 36 x 4-#5 etc. indicates 36 lines of bars with 4 lengths per line.
See sheet 15 of 16 for bar splicer details.

MIN. BAR LAP
#5 bar = 2'-2"



CROSS SECTION
(Looking west)

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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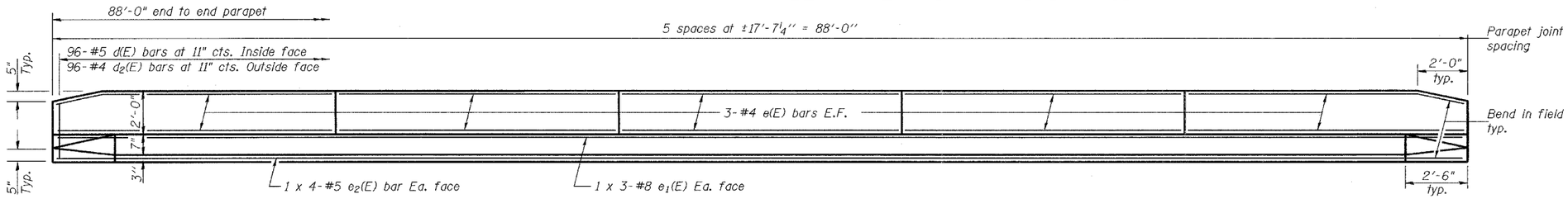
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
16 SHEETS

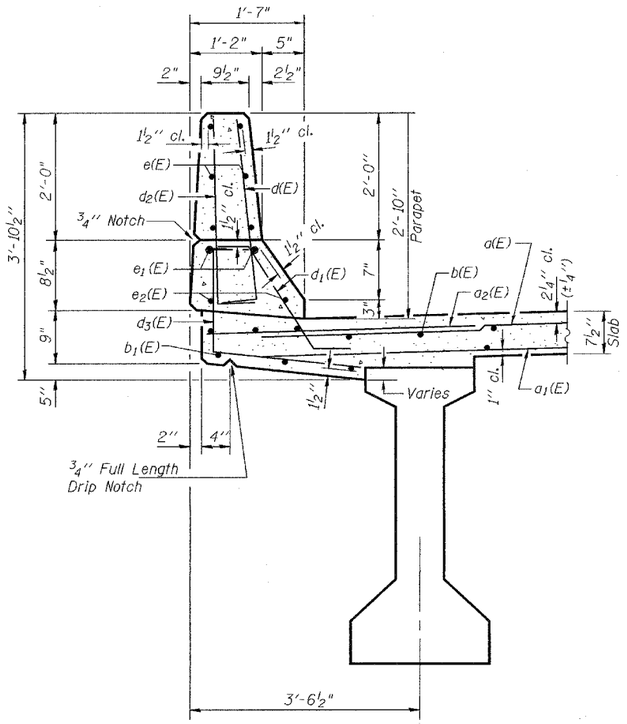
Contract No. 68247



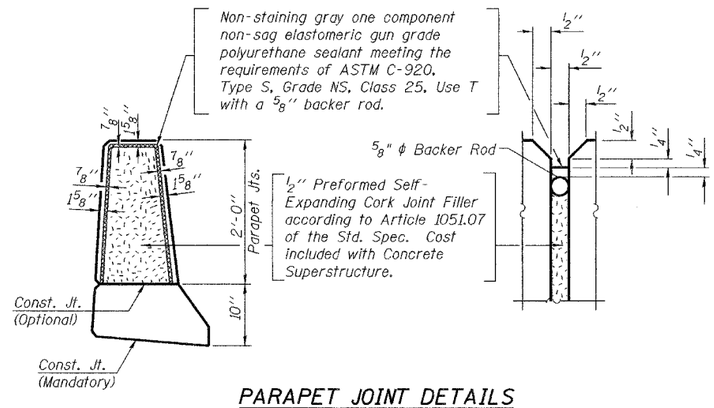
INSIDE ELEVATION OF PARAPET

MIN. BAR LAPS

#5 bar = 1'-8"
#8 bar = 3'-5"



SECTION THRU PARAPET

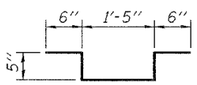


PARAPET JOINT DETAILS

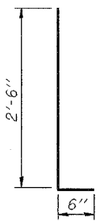
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	264	#5	19'-3"	
a1(E)	212	#5	18'-9"	
a2(E)	264	#6	6'-0"	
b(E)	168	#5	23'-7"	
b1(E)	240	#5	19'-4"	
d(E)	192	#5	3'-0"	
d1(E)	180	#5	2'-5"	
d2(E)	192	#4	3'-0"	
d3(E)	192	#4	4'-0"	
d4(E)	12	#5	2'-2"	
e(E)	60	#4	17'-3"	
e1(E)	12	#8	31'-7"	
e2(E)	16	#5	23'-3"	
m(E)	12	#6	19'-4"	
m1(E)	8	#6	18'-5"	
m2(E)	24	#6	8'-3"	
m3(E)	8	#6	4'-3"	
m4(E)	4	#6	2'-4"	
m5(E)	4	#6	2'-1"	
s(E)	72	#4	13'-2"	
s1(E)	84	#5	6'-10"	
u1(E)	534	#4	3'-3"	
v(E)	76	#5	3'-4"	
Reinforcement Bars, Epoxy Coated		Lbs.	28470	
Concrete Superstructure		Cu. Yds.	143.3	

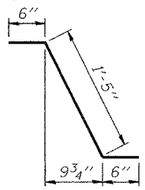
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.



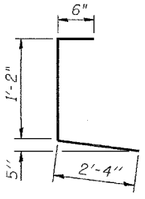
BAR u1(E)



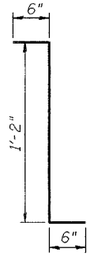
BARS d(E) & d2(E)



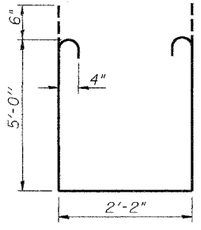
BAR d1(E)



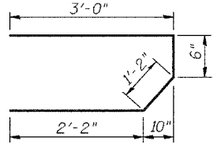
BAR d3(E)



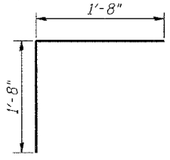
BAR d4(E)



BAR s(E)



BAR s1(E)



BAR v(E)

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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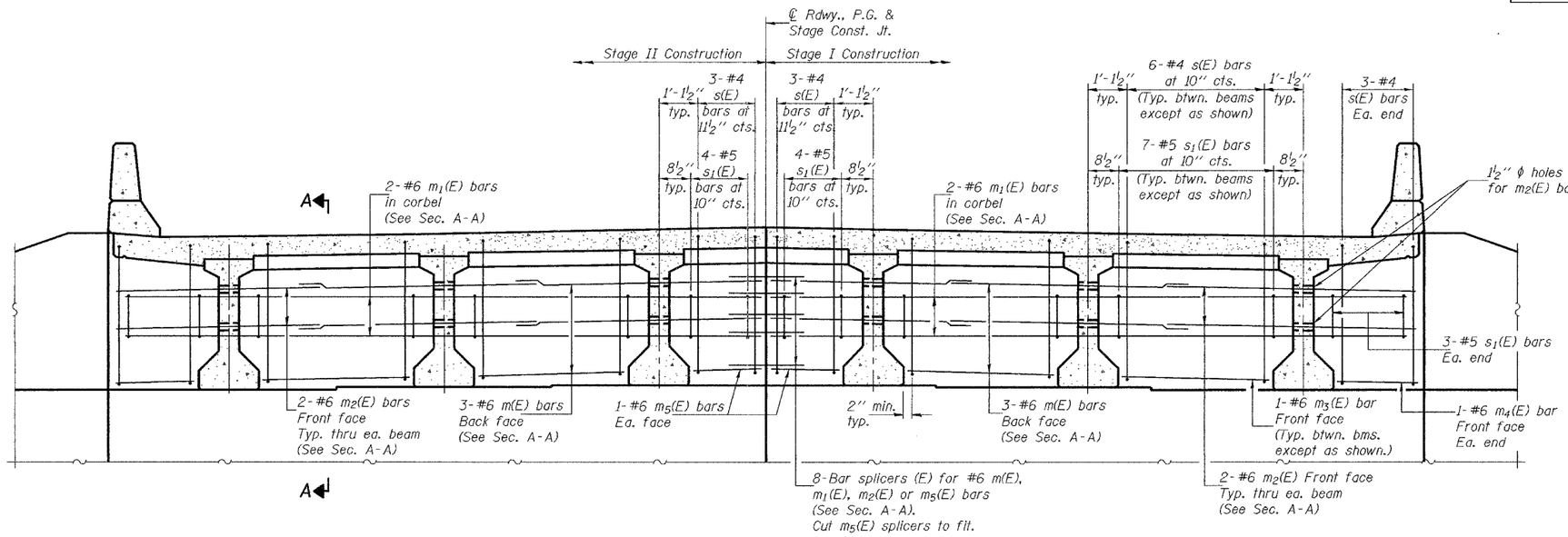
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 9
16 SHEETS

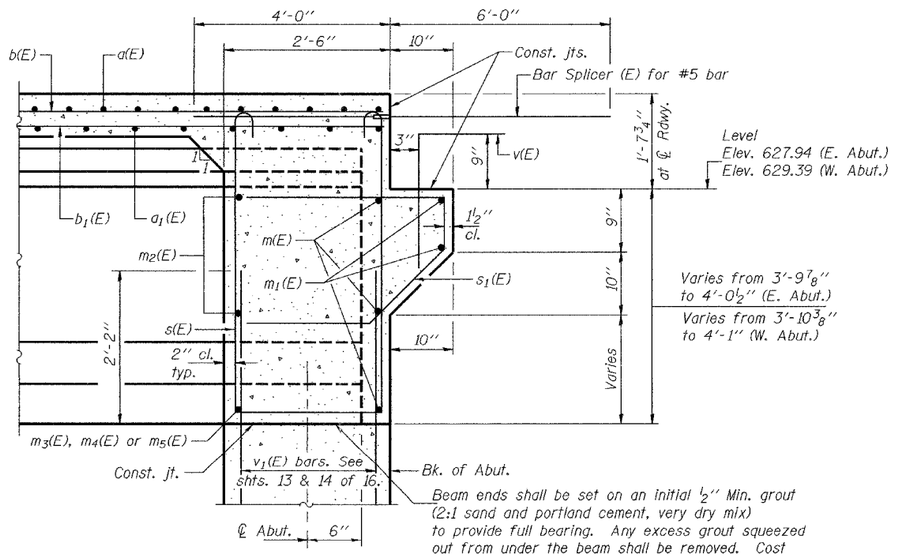
Contract No. 68247

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DIAPHRAGM ELEVATION AT WEST ABUTMENT

(Looking west - East Abut. similar)



SECTION A-A

Notes: Reinforcement bars in diaphragm are billed with superstructure on sheet 8 of 16.

Concrete in diaphragm is included with Concrete Superstructure on sheet 8 of 16.

For details of bar splicers, see sheet 15 of 16.

Reinforcement bars designated (E) shall be epoxy coated.

For details of bars s(E) and s_1(E) see sheet 8 of 16.

MIN. BAR LAPS

#6 bars = 2'-9"

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006

EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DIAPHRAGM DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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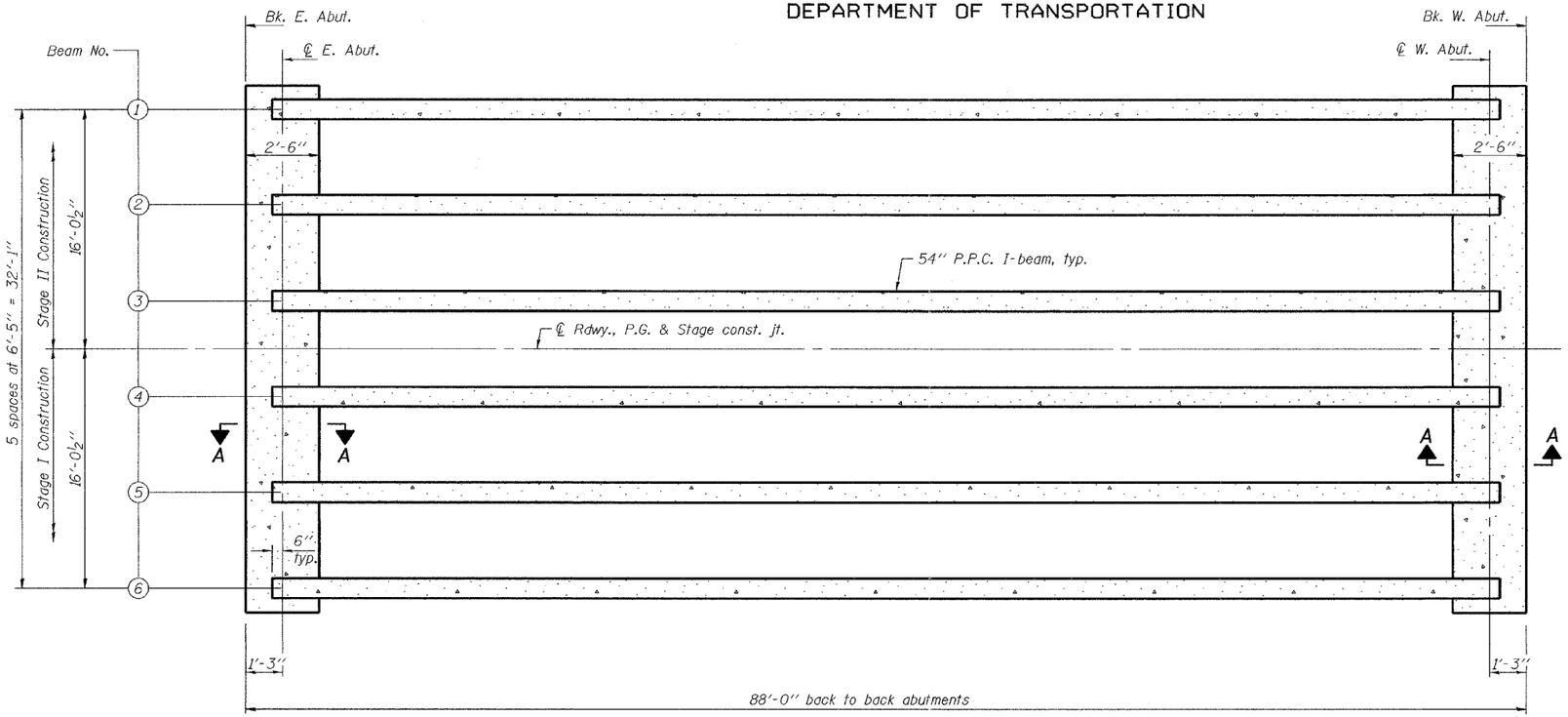
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 10
16 SHEETS

Contract No. 68247

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FRAMING PLAN

Note: For Section A-A see sheet 9 of 16.

INTERIOR BEAM MOMENT TABLE		
		0.5 Span 1
Strand Pattern		26-B
I	(in^4)	213715
I'	(in^4)	509126
S_b	(in^3)	8559
S_b'	(in^3)	12884
S_t	(in^3)	7362
S_t'	(in^3)	35150
DC1	(k/ft.)	1.246
M DC1	('k)	1138.9
DC2	(k/ft.)	0.15
M DC2	('k)	137.1
DW	(k/ft.)	0.321
M DW	('k)	293.2
M_L	('k)	1007.4
M IM	('k)	332.4

INTERIOR BEAM REACTION TABLE HL-93 LOADING		
		Abut.
R DC1	(k)	53.3
R DC2	(k)	6.4
R DW	(k)	13.7
R_L	(k)	59.4
R IM	(k)	19.6
R (Total)	(k)	152.4

I and I' are the non-composite and composite moment of inertia of the beam section.

S_b and S_b' are the non-composite and composite section modulus for the bottom fiber of the prestressed beam.

S_t and S_t' are the non-composite and composite section modulus for the top fiber of the prestressed beam.

M_L is the unfactored moment due to live load on the composite section.

DC1 is the dead load acting on the non-composite section.

DC2 is the dead load acting on the long-term composite section.

DW is the dead load acting on the long-term composite section due to wearing surface.

M IM is the un-factored moment due to live load impact on the composite section.

M DC1 is the un-factored moment due to non composite dead load. It is conservatively calculated at 0.5 of the span.

M DC2 is the un-factored moment due to long term composite (superimposed excluding future wearing surface) dead load.

M DW is the un-factored moment due to long term composite (superimposed future wearing surface only) dead load.

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12. 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

FRAMING PLAN
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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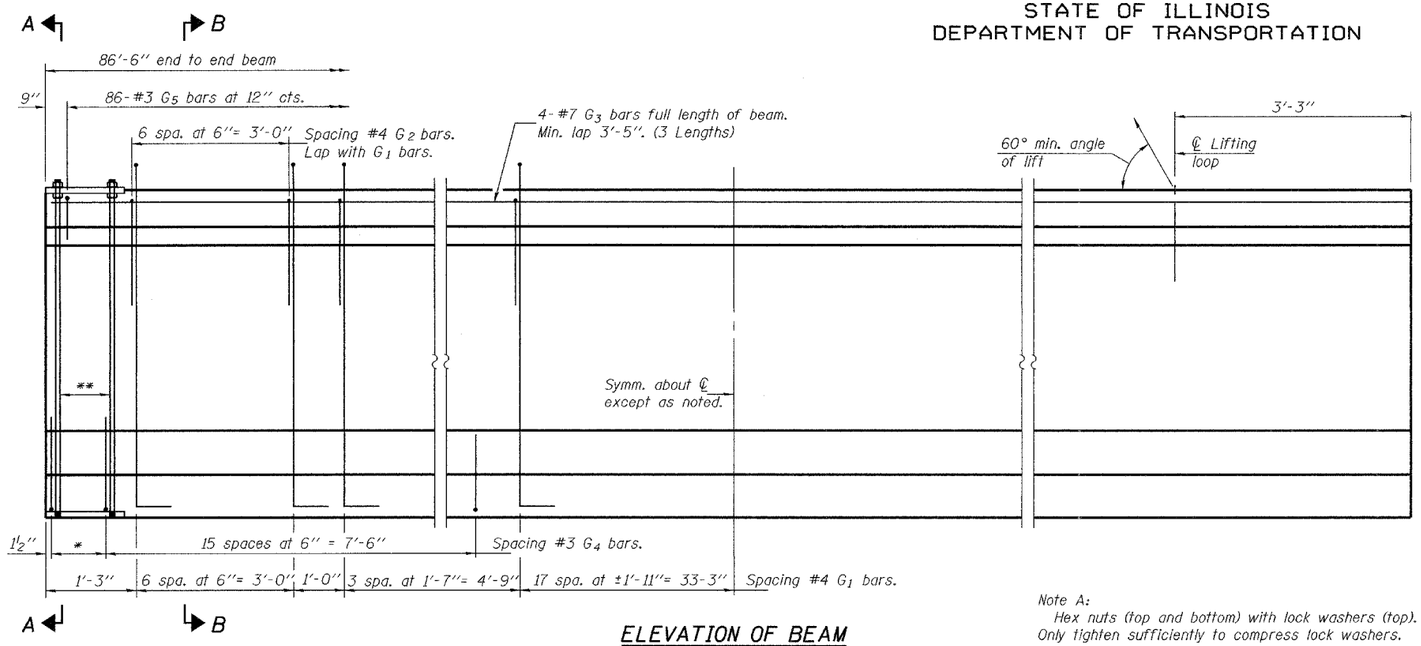
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	45
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

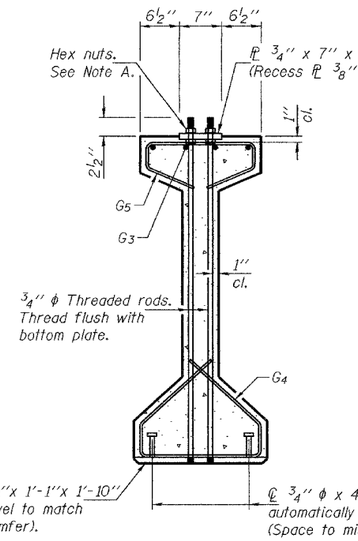
SHEET NO. 11
16 SHEETS

Contract No. 68247

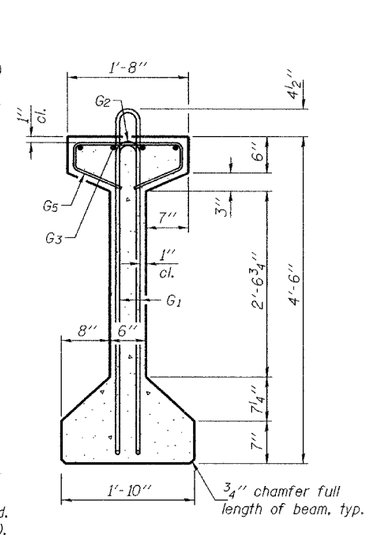


ELEVATION OF BEAM
(Showing reinforcement & dimensions)

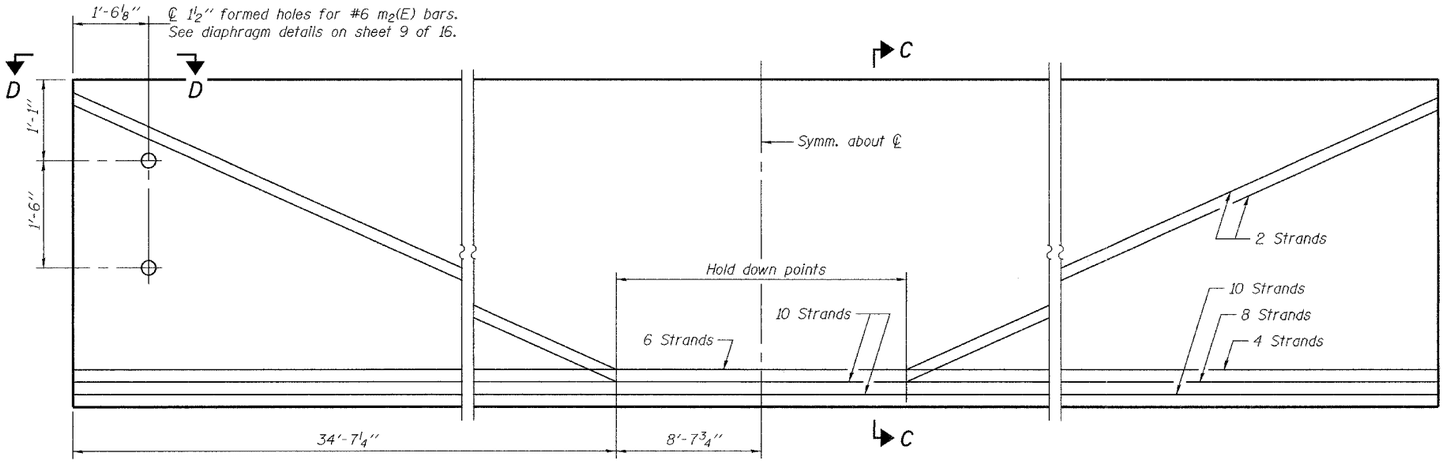
Note A:
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.



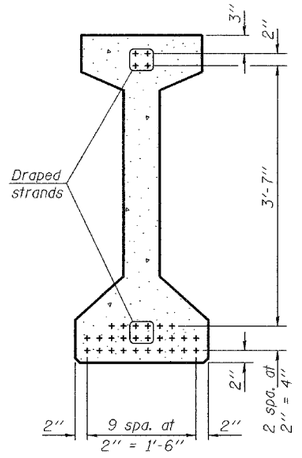
SECTION A-A



SECTION B-B



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION C-C

BAR LIST
ONE BEAM ONLY

Bar	No.	Size	Length	Shape
G_1	55	#4	10'-5"	
G_2	14	#4	5'-4"	
G_3	12	#7	31'-1"	
G_4	38	#3	4'-11"	
G_5	86	#3	3'-5"	

Notes: See sheet 12 of 16 for additional details and Bill of Material.
Required release strength, f'ci, shall be 5000 psi.
For View D-D, see sheet 12 of 16.

* 3 spaces at 3" = 9".
** 4-¾" ϕ threaded dowel rods at 3" cts., each face.

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

PI-4-54 7-15-05

54" PPC I-BEAM DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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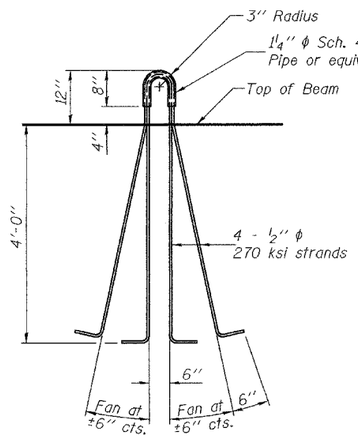
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

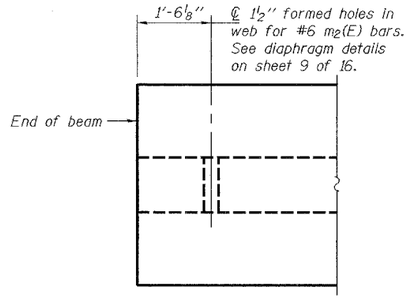
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	46
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 12
16 SHEETS

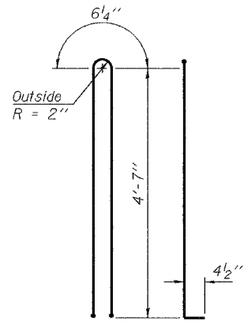
Contract No. 68247



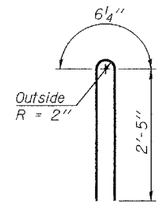
LIFTING LOOP DETAIL



VIEW D-D



BAR G1



BAR G2

NOTES

Inserts for ¾" ϕ threaded dowel rods, when specified, are to be two strut, coil type for interior beams and single coil, flared loop type for exterior beams.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.

The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

Non-prestressing steel shall conform to AASHTO designation M-31 or M 322, Grade 60.

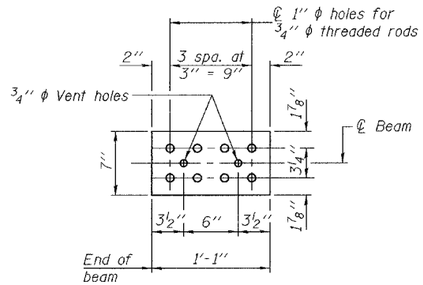
A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Reinforcement bars designated (E) shall be epoxy coated.

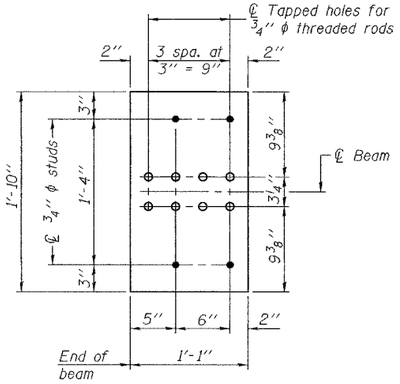
The bottom plates and studs shall be galvanized according to AASHTO M111 and ASTM A385.

Threaded rods shall be ASTM F 1554 Grade 55.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to all portions of the I-beam or Bulb-T beam, except the top surface of the top flange and the bottom surface of the bottom flange, starting at each beam end and extending out a distance of 54 inches. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

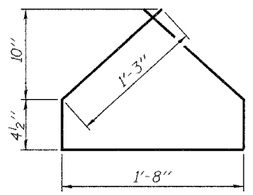


TOP PLATE

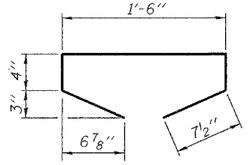


BOTTOM PLATE

See bearing details for pintle hole locations when required.



BAR G4



BAR G5

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 54"	Ft.	519

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12. 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

54" PPC I-BEAM DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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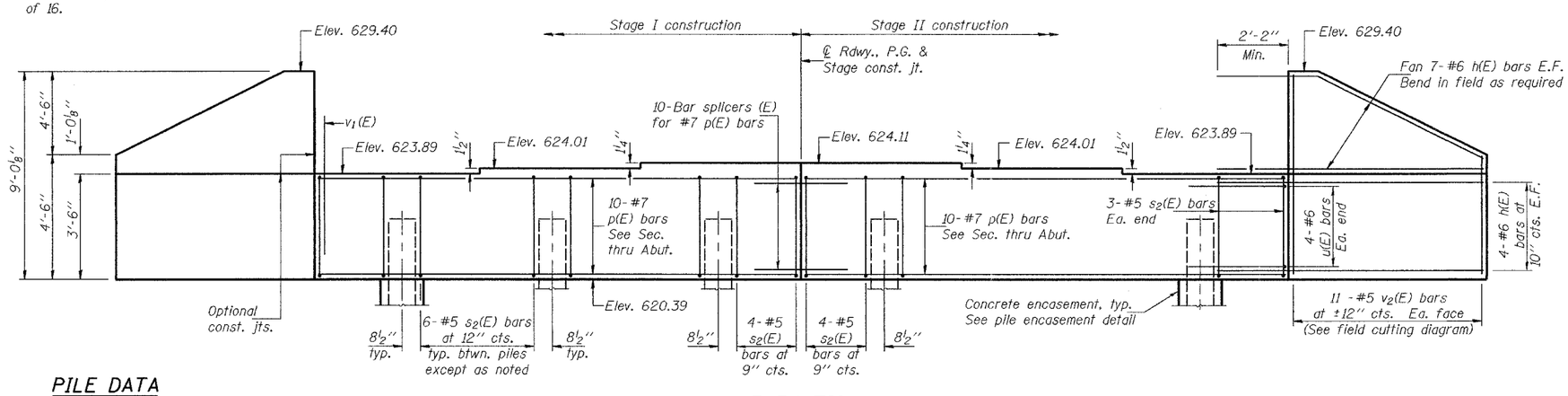
Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
For bar splicer details, see sheet 15 of 16.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	47
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 13
16 SHEETS

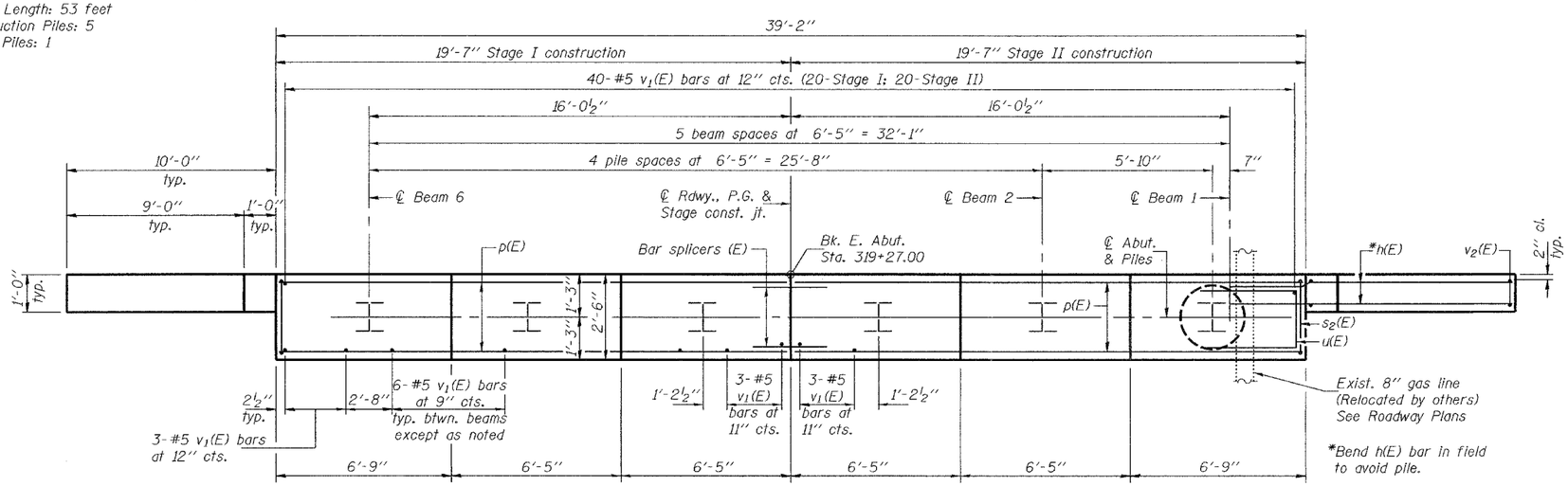
Contract No. 68247



ELEVATION
(Looking east)

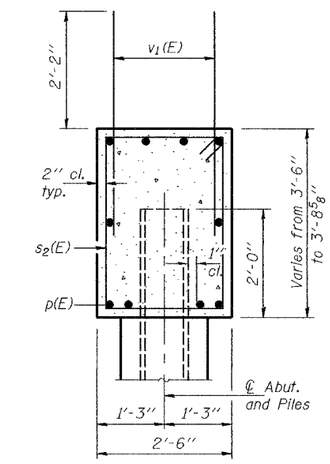
PILE DATA

Type: Steel HP12x74
Nominal Required Bearing: 589 kips
Factored Resistance Available: 295 kips
Est. Pile Length: 53 feet
No. Production Piles: 5
No. Test Piles: 1

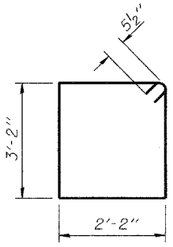


*Bend h(E) bar in field to avoid pile.

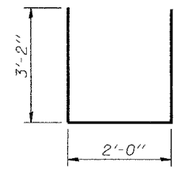
PLAN



SEC. THRU ABUT.



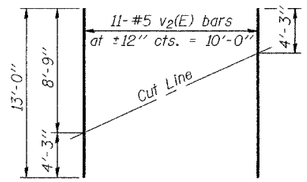
BAR s2(E)



BAR u(E)

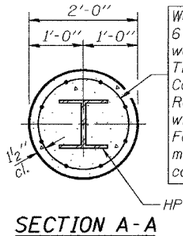
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	44	#6	13'-3"	
p(E)	20	#7	19'-4"	
s2(E)	38	#5	11'-7"	
u(E)	8	#6	8'-4"	
v1(E)	76	#5	4'-4"	
v2(E)	22	#5	13'-0"	
Concrete Structures		Cu. Yd.	18.3	
Reinforcement Bars, Epoxy Coated		Pound	2870	
Structure Excavation		Cu. Yd.	50	
Furnishing Steel Piles HP12x74		Foot	265	
Driving Piles		Foot	265	
Test Pile Steel HP12x74		Each	1	



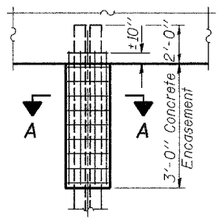
FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



Welded wire fabric 6 x 6- W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation, Concrete Encasement and Reinforcement is included with furnishing piles. Forms for encasement may be omitted when soil conditions permit.

SECTION A-A



PILE ENCASEMENT DETAIL

EAST ABUTMENT
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12. 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

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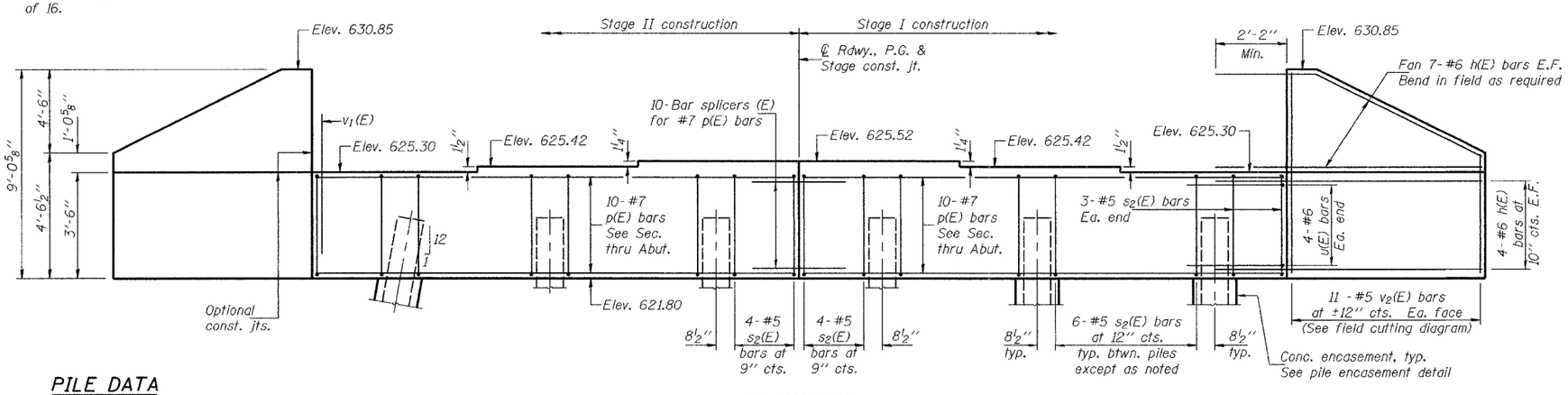
Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
For bar splicer details, see sheet 15 of 16.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	48
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
16 SHEETS

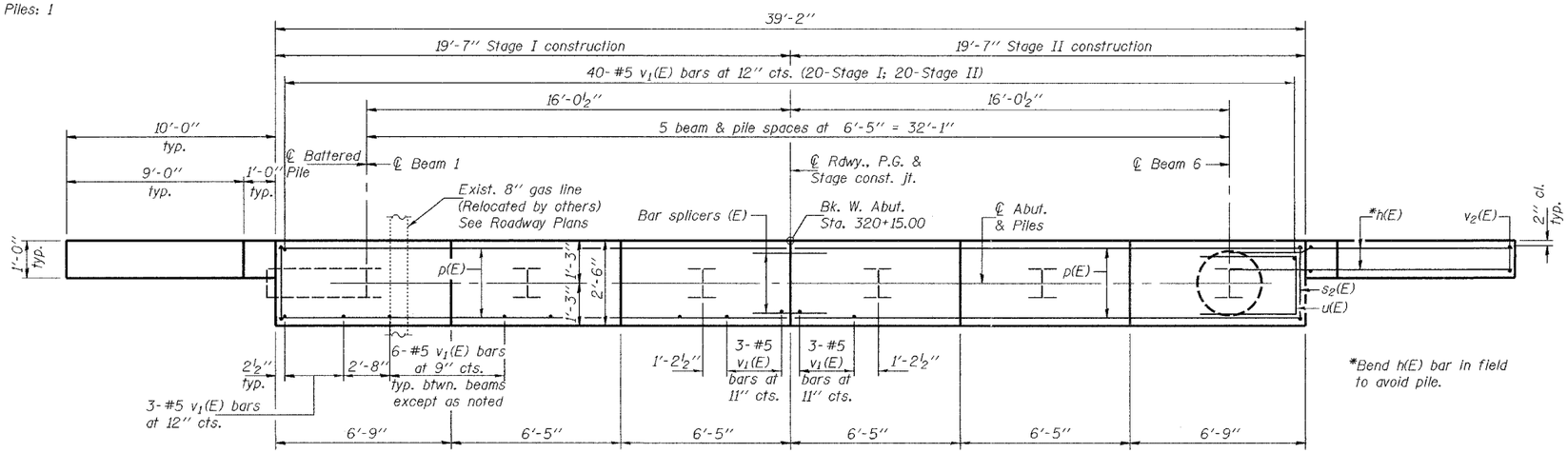
Contract No. 68247



ELEVATION
(Looking west)

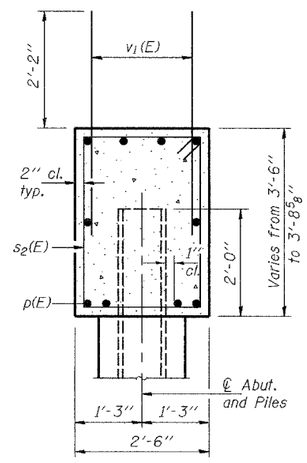
PILE DATA

Type: Steel HP12x74
Nominal Required Bearing: 531 kips
Factored Resistance Available: 266 kips
Est. Pile Length: 50 feet
No. Production Piles: 5
No. Test Piles: 1

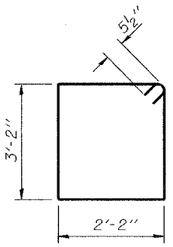


*Bend h(E) bar in field to avoid pile.

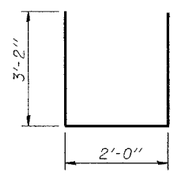
PLAN



SEC. THRU ABUT.



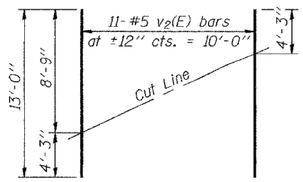
BAR s2(E)



BAR u(E)

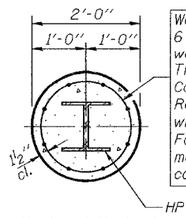
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	44	#6	13'-3"	——
p(E)	20	#7	19'-4"	——
s2(E)	38	#5	11'-7"	□
u(E)	8	#6	8'-4"	▭
v1(E)	76	#5	4'-4"	——
v2(E)	22	#5	13'-0"	——
Concrete Structures		Cu. Yd.	18.3	
Reinforcement Bars, Epoxy Coated		Pound	2870	
Structure Excavation		Cu. Yd.	50	
Furnishing Steel Piles HP12x74		Foot	250	
Driving Piles		Foot	250	
Test Pile Steel HP12x74		Foot	1	



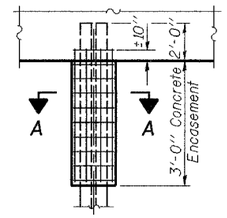
FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



SECTION A-A

Welded wire fabric 6 x 6- W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation, Concrete Encasement and Reinforcement is included with furnishing piles. Forms for encasement may be omitted when soil conditions permit.



PILE ENCASEMENT DETAIL

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

WEST ABUTMENT
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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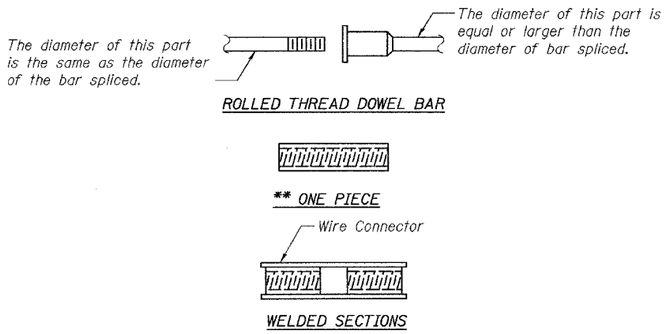
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	49
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

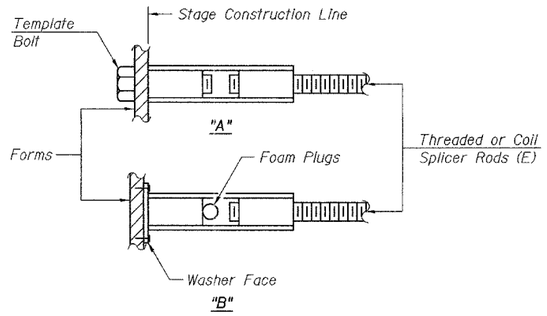
SHEET NO. 15
16 SHEETS

Contract No. 68247



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

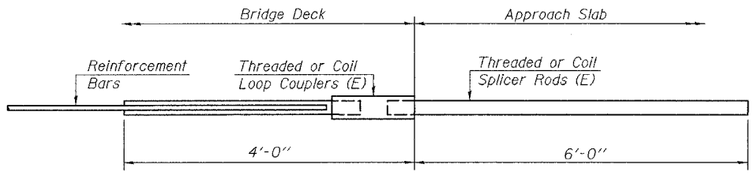
① Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$

② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times fs_{allow} \times A_t$

Where fy = Yield strength of lapped reinforcement bars in ksi.
fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

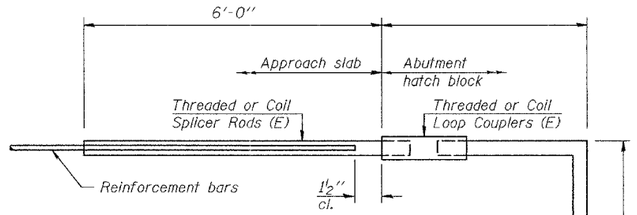
BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



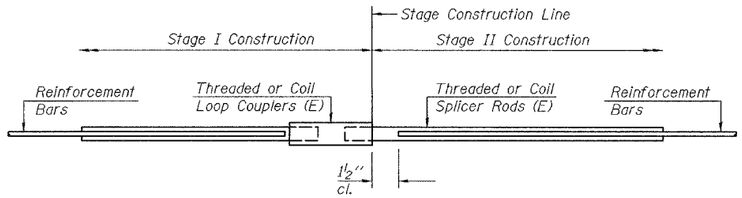
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 72



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location
#7	10	E. Abut.
#7	10	W. Abut.
#5	238	Superstructure
#6	8	Diaphragm

DESIGNED	MDS
CHECKED	DFZ/AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

BSD-1 10-22-04

BAR SPLICER ASSEMBLY DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -		

SHEET NO. 16
16 SHEETS

Contract No. 68247

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, District Four Materials — FAS 2463 (IL 98) near Groveland

Page 1 of 2 — Date 3502

ROUTE Groveland — DESCRIPTION IL 98 over Lick Creek — LOGGED BY DBR

SECTION (8B) BR-4 — LOCATION SE¼,SW¼,NW¼, SEC. 21, TWP. 25N, RNG. 4W, 3rd PM

COUNTY TAZEWELL — DRILLING METHOD HSA — HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0086(exist.)
Station 319+90
BORING NO. 1 (E. Abut)
Station 319+36
Offset 32.00ft Lt
Ground Surface Elev. 620.8 ft

Surface Water Elev. 609.5 ft
Stream Bed Elev. 608.0 ft
Groundwater Elev.:
First Encounter 610.8 ft
Upon Completion 594.5 ft
After 24 Hrs. 595.4 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Dk. Gray SILTY CLAY LOAM			
	1		
	2		24.0
615.8 –5	2		
Brown/Gray SANDY CLAY LOAM	1		14.0
	1	0.7 P	
613.3			
Lt. Brown SILTY LOAM	2		
	2	1.9	23.0
610.8 ▼ –10	2	B	
Brown SILTY CLAY	1		
	2	1.7	25.0
	3	B	
608.3			
Gray CLAY LOAM	1		
	2	1.4	23.0
	5	S	
–15			
	1		
	2	1.9	25.0
	4	B	
	2		
	4	2.5	22.0
	6	B	
–20			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM (continued)	2		
	3	2.5	23.0
	5	B	
	2		
	3	1.7	17.0
595.8 –25	4	B	
Gray Fine SAND ▽	2		18.0
594.8	12		
Gray SHALEY CLAY/SHALEY SILT ▽	24		21.0
	25		
	35		10.0
–30	65		
	33		
	65		8.0
588.3	35@2"		
Gray Medium SAND	11		
	43		15.0
585.8 –35	48		
Gray SHALEY SILT	25		
	42	3.1	8.0
	48	S	
583.3			
Gray Fine SAND	22		
	25		14.0
580.8 –40	33		

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 — SOIL BORING LOG

Division of Highways, District Four Materials — FAS 2463 (IL 98) near Groveland

Page 2 of 2 — Date 3502

ROUTE Groveland — DESCRIPTION IL 98 over Lick Creek — LOGGED BY DBR

SECTION (8B) BR-4 — LOCATION SE¼,SW¼,NW¼, SEC. 21, TWP. 25N, RNG. 4W, 3rd PM

COUNTY TAZEWELL — DRILLING METHOD HSA — HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0086(exist.)
Station 319+90
BORING NO. 1 (E. Abut)
Station 319+36
Offset 32.00ft Lt
Ground Surface Elev. 620.8 ft

Surface Water Elev. 609.5 ft
Stream Bed Elev. 608.0 ft
Groundwater Elev.:
First Encounter 610.8 ft
Upon Completion 594.5 ft
After 24 Hrs. 595.4 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray SHALEY SILT	46		
	60		9.0
	40@3"		
	37		
	40	3.5	11.0
	48	S	
575.8 –45			
Gray Medium SAND	19		
	23		14.0
SHALEY SILT @ 46.4' 574.3	36		
End of Boring			
–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 — SOIL BORING LOG

Division of Highways, District Four Materials — FAS 2463 (IL 98) near Groveland

Page 1 of 2 — Date 31202

ROUTE Groveland — DESCRIPTION IL 98 over Lick Creek — LOGGED BY DBR

SECTION (8B) BR-4 — LOCATION SE¼,SW¼,NW¼, SEC. 21, TWP. 25N, RNG. 4W, 3rd PM

COUNTY TAZEWELL — DRILLING METHOD HSA — HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0086(exist.)
Station 319+90
BORING NO. 2 (W. Abut)
Station 320+37
Offset 14.40ft Rt
Ground Surface Elev. 629.8 ft

Surface Water Elev. 609.5 ft
Stream Bed Elev. 608.0 ft
Groundwater Elev.:
First Encounter 608.0 ft
Upon Completion 595.9 ft
After 24 Hrs. not taken ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY LOAM			
	2		
	1	0.5	14.0
	2	P	
626.3			
Brown SILTY LOAM	2		
	1	1.0	23.0
–5	2	P	
623.8			
Brown CLAY LOAM	H		
	1	0.7	24.0
	1	B	
	2		
	3	1.9	17.0
–10	3		
618.8			
Lt. Brown/Lt. Gray SILTY LOAM	3		
	5	1.5	24.0
	7		
616.3			
Gray SILT	2		
	2	0.7	27.0
–15	3		
613.8			
Dk. Gray to Gray SILTY CLAY	2		
	3	0.6	25.0
	4		
	1		
	3	1.2	27.0
–20	3		

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Dk. Gray to Gray SILTY CLAY (continued)			
▽	1		
	2	1.2	24.0
	3		
606.3			
Gray CLAY LOAM	2		
	3	1.9	24.0
–25	4		
	3		
	4	2.1	22.0
	5		
	2		
	3	2.7	19.0
–30	5	S	
598.8			
Brown CLAY LOAM TILL	4		
	9	5.4	14.0
	16		
▽	9		
	19	4.5	9.0
–35	39	P	
593.8			
Gray SHALEY SILT	62		
	100@5"		8.0
591.3			
Gray CLAY LOAM TILL	26		
	100@4"		9.0
–40			

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 — SOIL BORING LOG

Division of Highways, District Four Materials — FAS 2463 (IL 98) near Groveland

Page 2 of 2 — Date 31202

ROUTE Groveland — DESCRIPTION IL 98 over Lick Creek — LOGGED BY DBR

SECTION (8B) BR-4 — LOCATION SE¼,SW¼,NW¼, SEC. 21, TWP. 25N, RNG. 4W, 3rd PM

COUNTY TAZEWELL — DRILLING METHOD HSA — HAMMER TYPE AUTOMATIC

STRUCT. NO. 090-0086(exist.)
Station 319+90
BORING NO. 2 (W. Abut)
Station 320+37
Offset 14.40ft Rt
Ground Surface Elev. 629.8 ft

Surface Water Elev. 609.5 ft
Stream Bed Elev. 608.0 ft
Groundwater Elev.:
First Encounter 608.0 ft
Upon Completion 595.9 ft
After 24 Hrs. not taken ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM TILL (continued)			
588.8			
Gray SILTY SHALE	47		
	00@4"		8.0
585.5	45		
	00@4"		8.0
End of Boring			
–45			
–50			
–55			
–60			

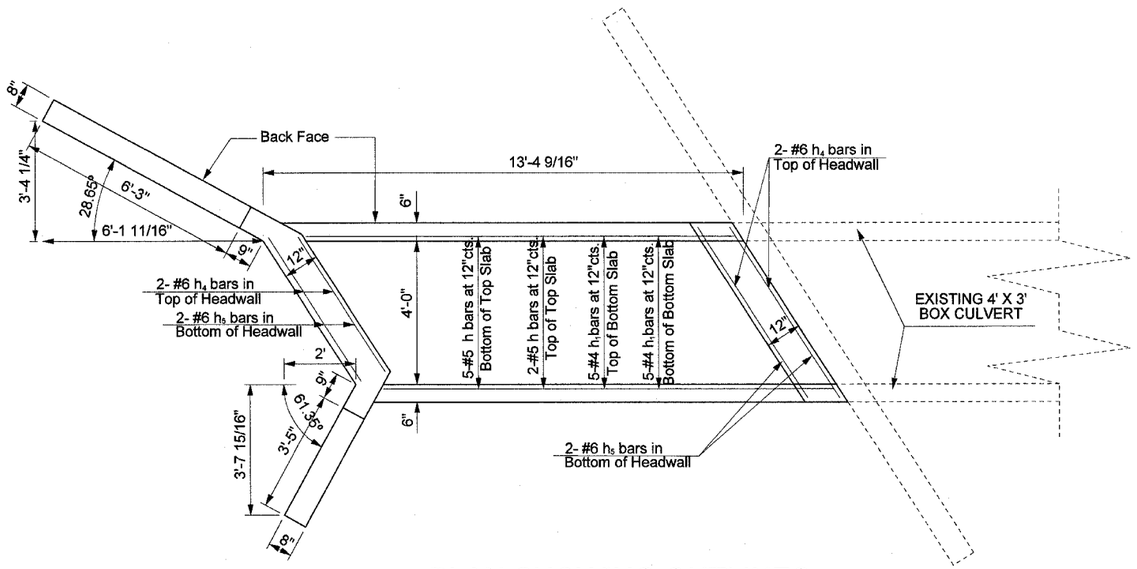
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

...\projects\htd00025\090173.dgn 9/13/2006 11:01:00 AM

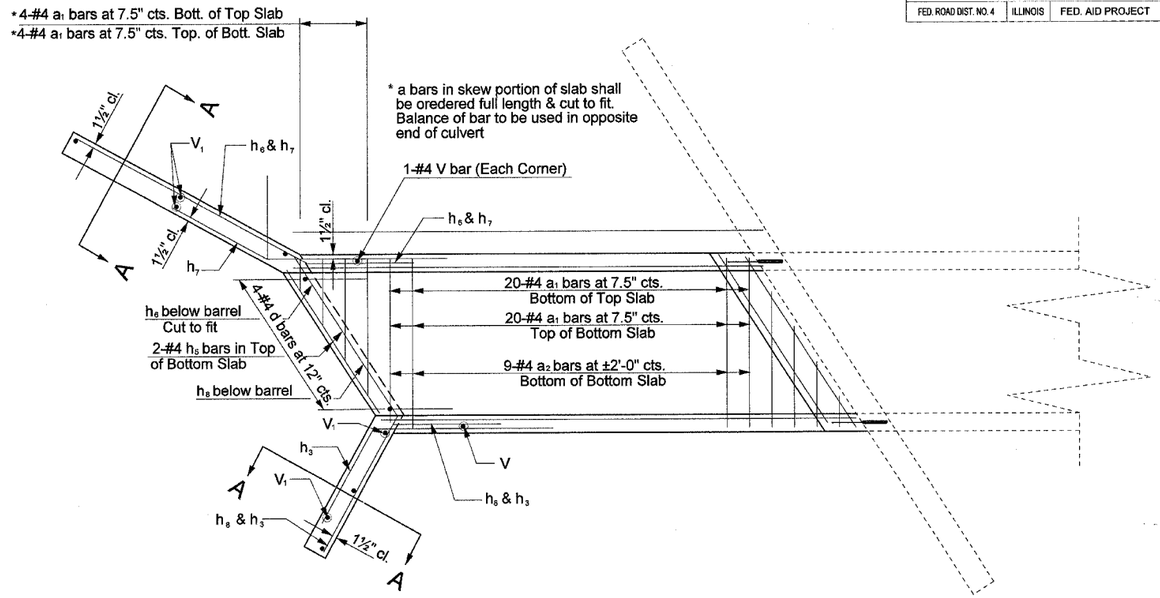
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	51
STA. 308+58	TO STA. 329+41			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



PLAN SHOWING OUTLINES

LT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



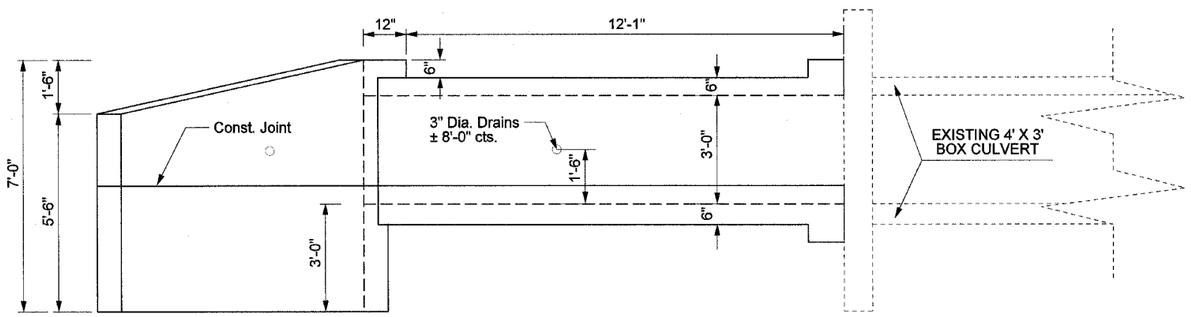
PLAN SHOWING REINFORCEMENT

LT. STA. 312+12.73 (SKEW ANGLE = 32.7°)

NOTES

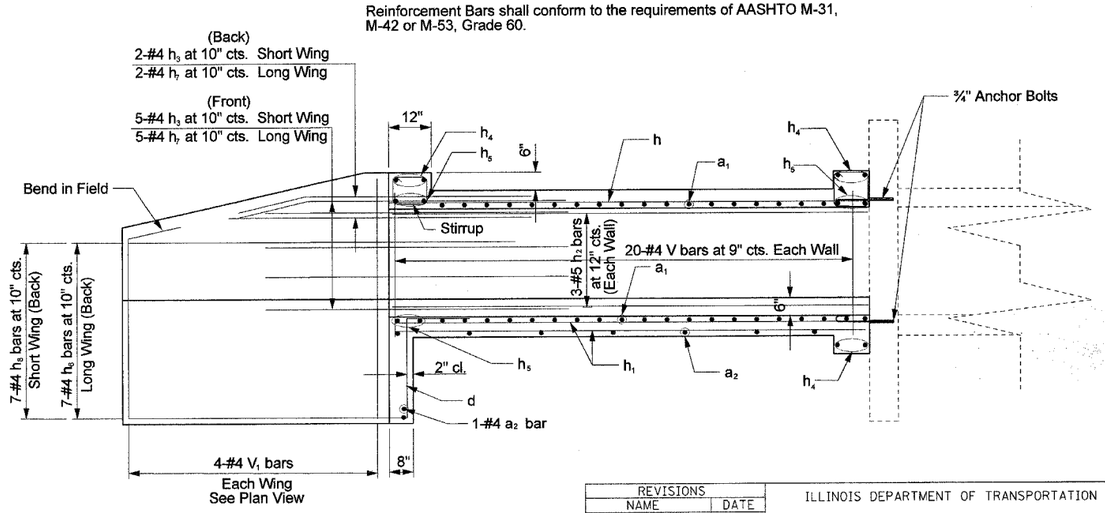
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.



ELEVATION

LT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



ELEVATION SHOWING REINFORCEMENT

LT. STA. 312+12.73 (SKEW ANGLE = 32.7°)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Culvert Extension Detail Lt Sta. 312+12.73 (4' x 3' Box Culvert)

SCALE: VERT. HORIZ.

DATE

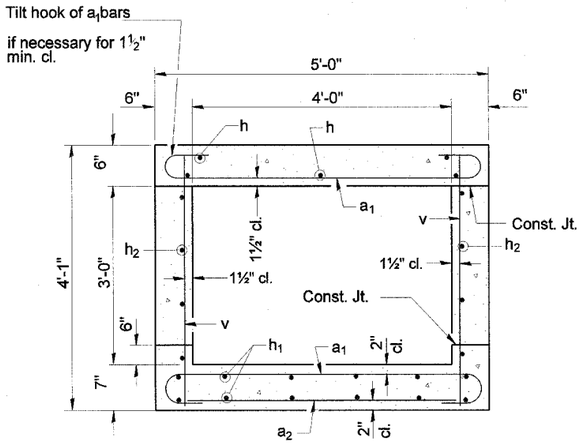
DRAWN BY

CHECKED BY

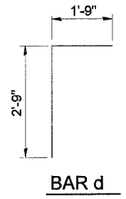
PLOT DATE = 6/21/2006
FILE NAME = S:\GEN\DRAFT\STD&PLNS\SD&RD11\IL 98\Phase II\Culv Ext.dgn
PLOT SCALE = 2.0000 ' / IN.
USER NAME = bruceabn

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	52
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



SECTION THRU BARREL



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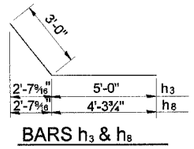
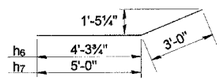
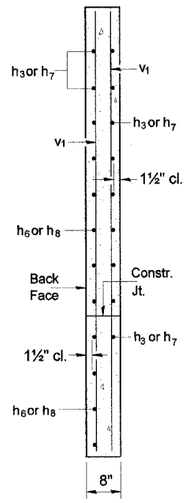


BARS h_3 & h_8

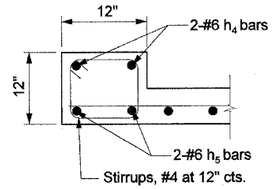
BAR a_1



BARS h_6 & h_7



SECTION A-A



SECTION THRU HEADWALL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_1	40	#4	5'-8"	
a_2	8	#4	4'-4"	
d	4	#4	4'-6"	
h	7	#5	13'-1"	
h_1	10	#4	13'-1"	
h_2	6	#5	13'-1"	
h_3	7	#4	8'-0"	
h_4	6	#6	5'-4"	
h_5	6	#4	5'-4"	
h_6	7	#4	7'-3¾"	
h_7	7	#4	8'-0"	
h_8	7	#4	7'-3¾"	
v	38	#4	3'-9"	
v_1	8	#4	6'-8"	
S	10	#4	3'-9"	
3/4" Anchor Bolts			Each	10
Concrete Box Culverts			Cu. Yd.	6.6
Reinforcement Bars			Pound	815

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44 & ALT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

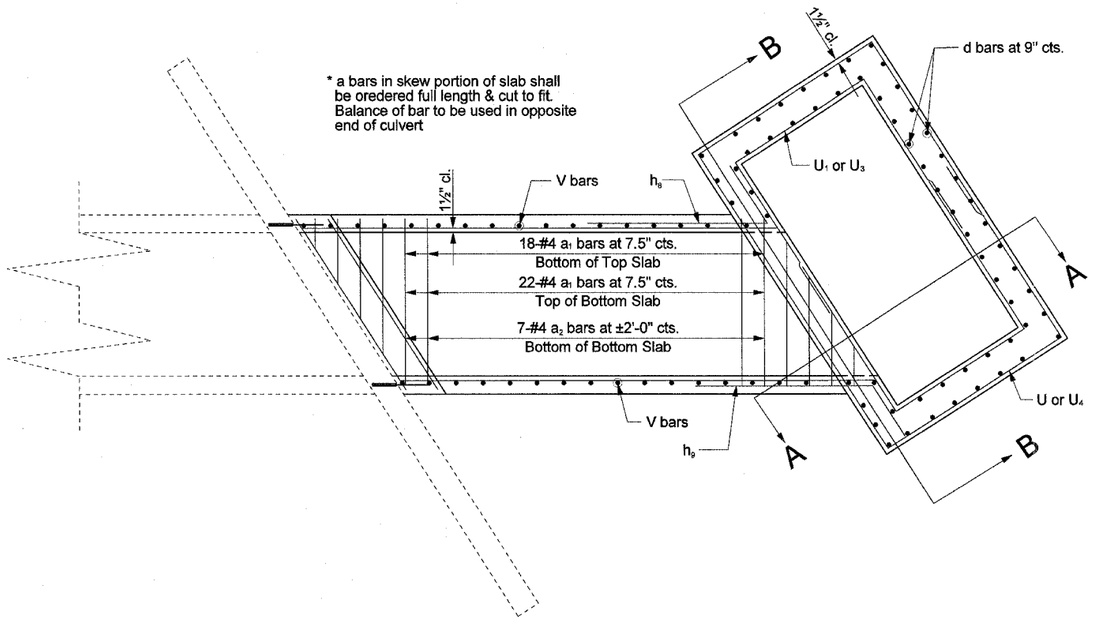
Culvert Extension Detail Lt Sta. 312+12.73 (4' x 3' Box Culvert)

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

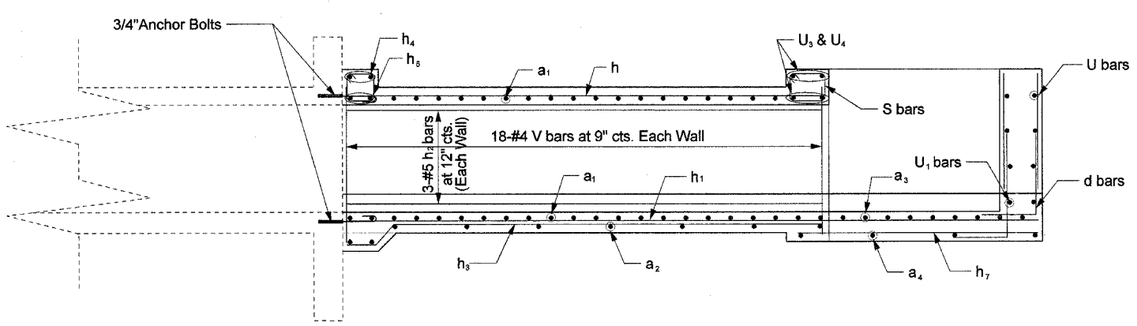
PLOT DATE = 8/21/2006
FILE NAME = S:\GEN\DRAFT\STD&PLNS\SQUADDIVL 98\Phase II\Culv Ext.dgn
PLOT SCALE = 2.0000 ' / IN.
USER NAME = brucebm

CONTRACT NO. 68247

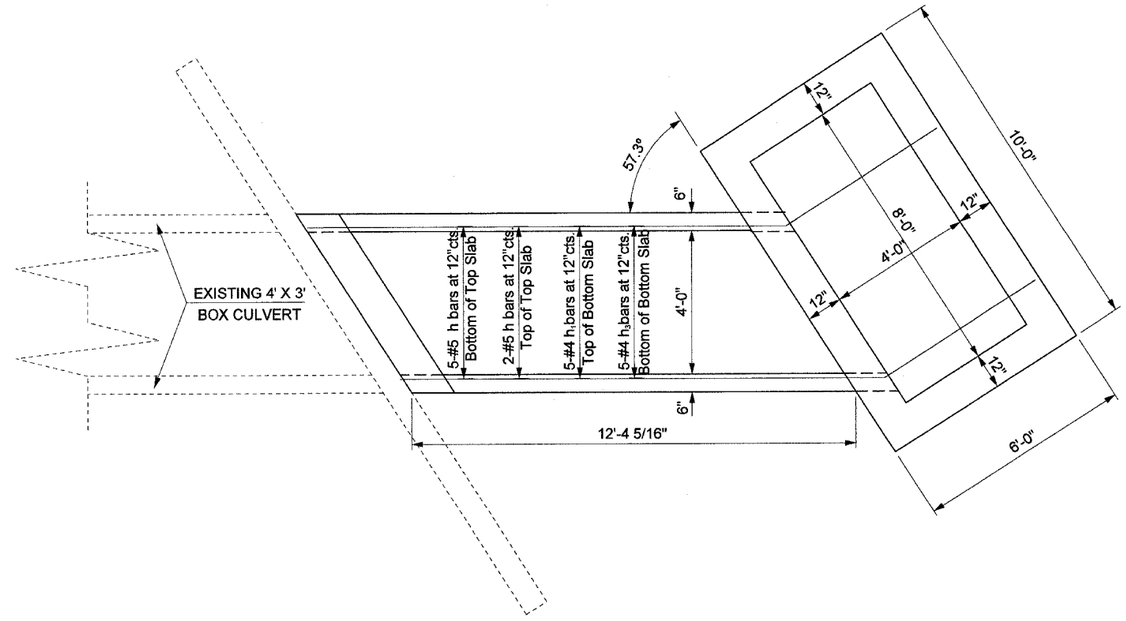
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	53
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



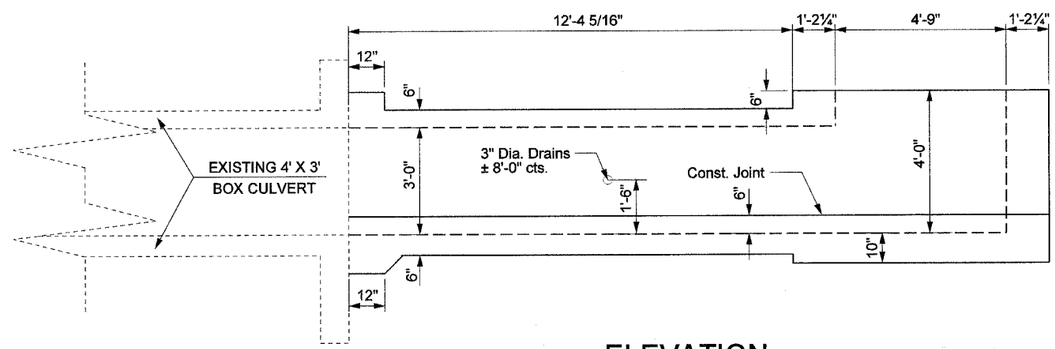
PLAN SHOWING REINFORCEMENT
RT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



ELEVATION SHOWING REINFORCEMENT
RT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



PLAN SHOWING OUTLINES
RT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



ELEVATION
RT. STA. 312+12.73 (SKEW ANGLE = 32.7°)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

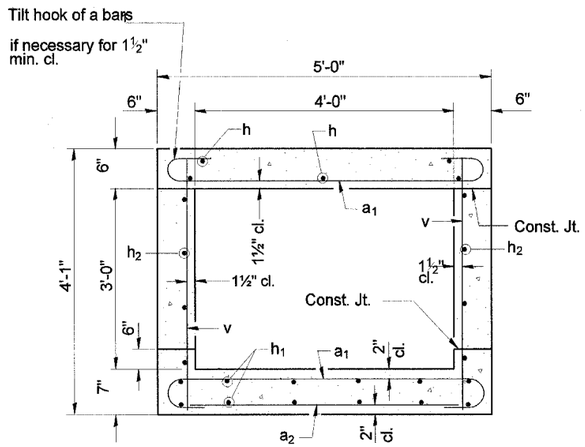
Culvert Extension Detail & Drop Box Detail Rt Sta. 312+12.73 (4' x 3' Box Culvert)

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

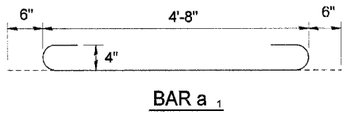
PLOT DATE = 8/21/2006
FILE NAME = S:\GEN\DRAFT\STDAPLNS\SQUAD11\NL 98\Phase II\Culv Ext.dgn
PLOT SCALE = 2.0000 ' / IN.
USER NAME = bruceben

CONTRACT NO. 68247

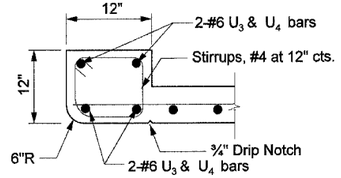
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	54
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



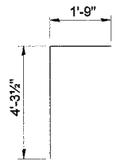
SECTION THRU BARREL



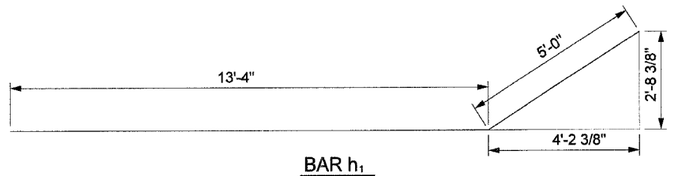
BAR a_1



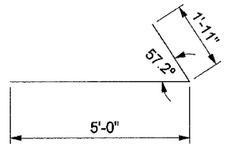
SECTION THRU HEADWALL



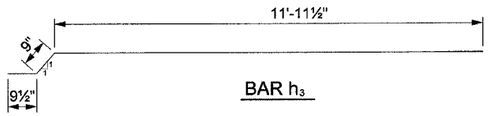
BAR d



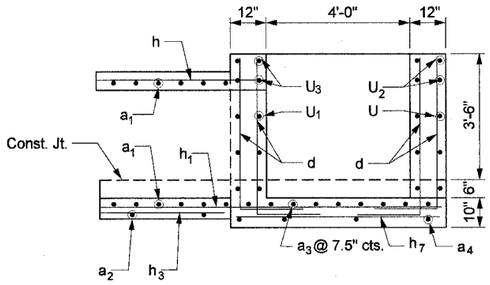
BAR h_1



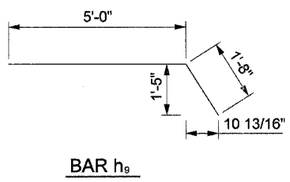
BAR h_8



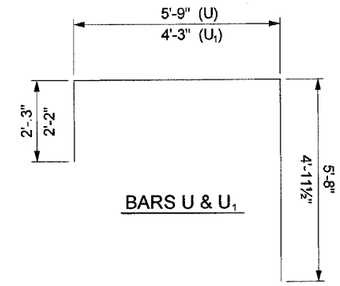
BAR h_3



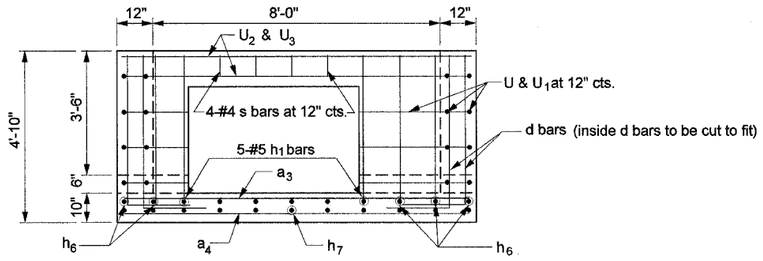
SECTION A-A



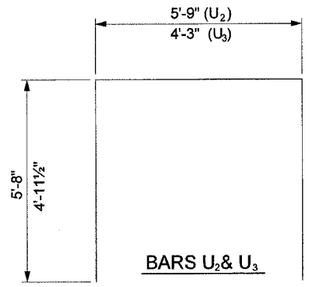
BAR h_9



BARS U & U_1



SECTION B-B



BARS U_2& U_3

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_1	40	#4	5'-8"	
a_2	7	#4	4'-4"	
a_3	9	#4	9'-9"	
a_4	4	#4	9'-9"	
d	61	#4	6'-1"	
h	7	#5	13'-4"	
h_1	5	#4	18'-4"	
h_2	6	#5	13'-4"	
h_3	5	#4	13'-6"	
h_4	4	#6	5'-4"	
h_5	2	#6	5'-4"	
h_6	5	#4	5'-9"	
h_7	11	#4	5'-9"	
h_8	4	#4	6'-11"	
h_9	4	#4	6'-8"	
S	10	#4	3'-9"	
U	6	#4	13'-8"	
U_1	6	#4	11'-4½"	
U_2	2	#4	17'-1"	
U_3	2	#4	14'-2"	
V	32	#4	3'-9"	
3/4" Anchor Bolts			Each	10
Concrete Box Culverts			Cu. Yd.	9.5
Reinforcement Bars			Pound	1,221.10

DESIGN STRESSES

fy = 60,000 psi

f'c = 3,500 psi

LOADING HS 20-44 & ALT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Culvert Extension Detail & Drop Box Detail Rt Sta. 312+12.73 (4' x 3' Box Culvert)

SCALE: VERT. HORIZ.

DRAWN BY

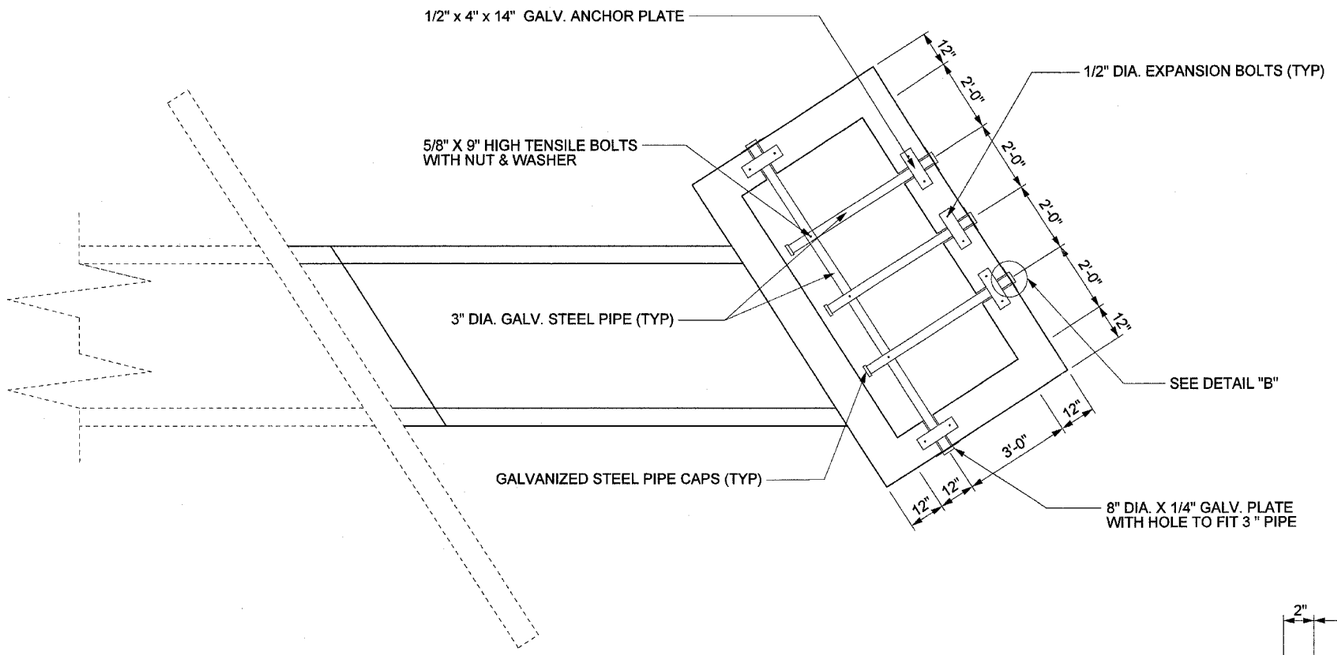
DATE

CHECKED BY

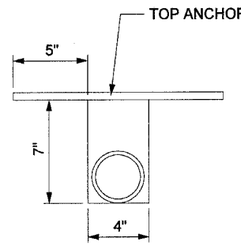
PLOT DATE = 8/21/2006
FILE NAME = S:\GEN\DRAFTS\STDARDS\SQUA311NL 98\Phase III\Culv Ext.dgn
PLOT SCALE = 2.0000 ' / IN.
USER NAME = brucebn

CONTRACT NO. 68247

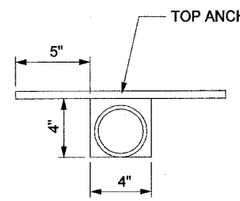
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B)BR-4	TAZEWELL	102	55
STA. 308+58		TO STA. 329+41		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



RT. STA. 312+12.73 (SKEW ANGLE = 32.7°) GRATED INLET, SPECIAL DETAIL

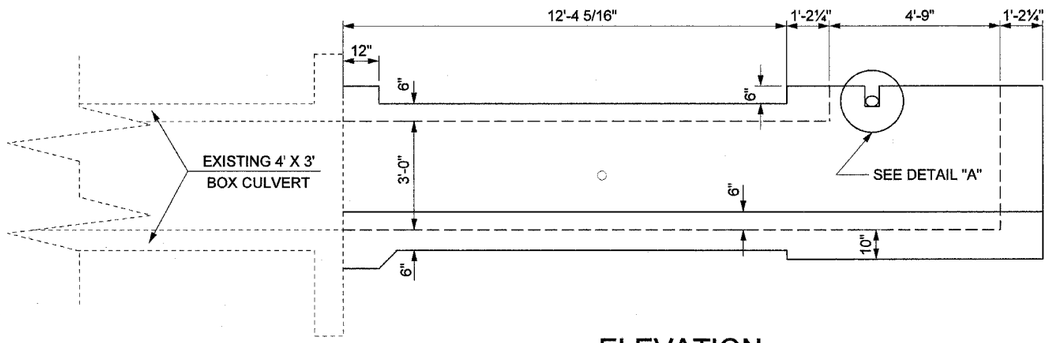


DETAIL "A"



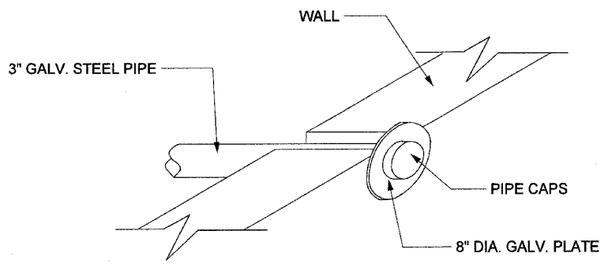
DETAIL "B"

TOP ANCHOR PLATE



ELEVATION

RT. STA. 312+12.73 (SKEW ANGLE = 32.7°)



8" DIA. GALV. PLATE DETAIL

BILL OF MATERIALS

ITEMS	UNITS	QTY.
3" DIA. GALV. STEEL PIPE	EACH	1 @ 10'-2" 3 @ 4'-10½"
1/2" x 4" x 14" GALV. ANCHOR PLATE	EACH	5
5/8" x 9" GALV. BOLTS	EACH	3
GALV. STEEL PIPE CAPS	EACH	8
1/2" DIA. GALV. EXPANSION BOLTS	EACH	10
8" DIA. x 1/4" GALV. PLATE	EACH	5

GENERAL NOTES:

STEEL PIPES SHALL COMFORM TO ASTM A-500 GRADE B, AND SHALL BE GALVANIZED COMFORMING TO ASTM A-123.

STEEL PLATES SHALL COMFORM TO ASTM A-709 GRADE 250 & SHALL BE GALVANIZED COMFORMING TO ASTM A-123.

BOLTS, NUTS & WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATIONS AND SHALL BE GALVANIZED.

THE CONTRACT UNIT PRICE "EACH" FOR GRATED INLET, SPECIAL SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED STEEL PIPES, BOLTS, NUTS, WASHERS, PIPE CAPS, 8" DIA. x 1/4" GALVANIZED PLATES AND ANCHOR PLATES.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Culvert Extension Detail & Drop Box Detail Rt Sta. 312+12.73 (4' x 3' Box Culvert)

SCALE: VERT. HORIZ.

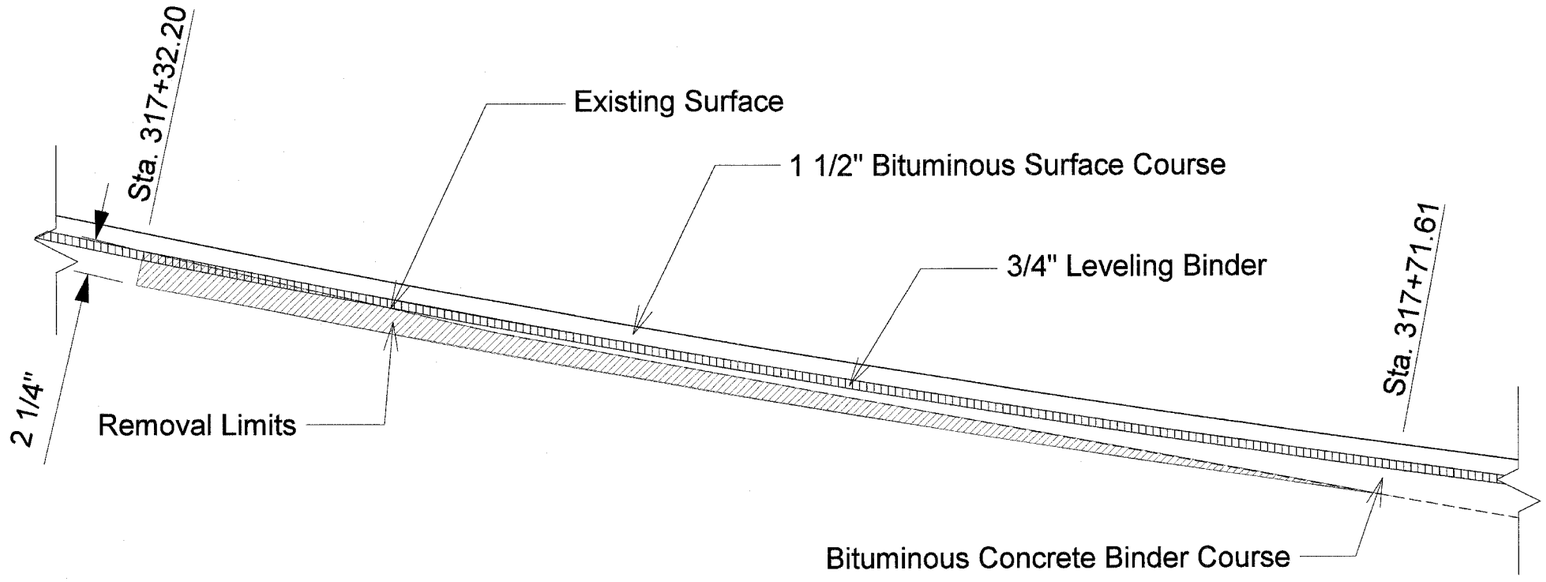
DATE

DRAWN BY

CHECKED BY

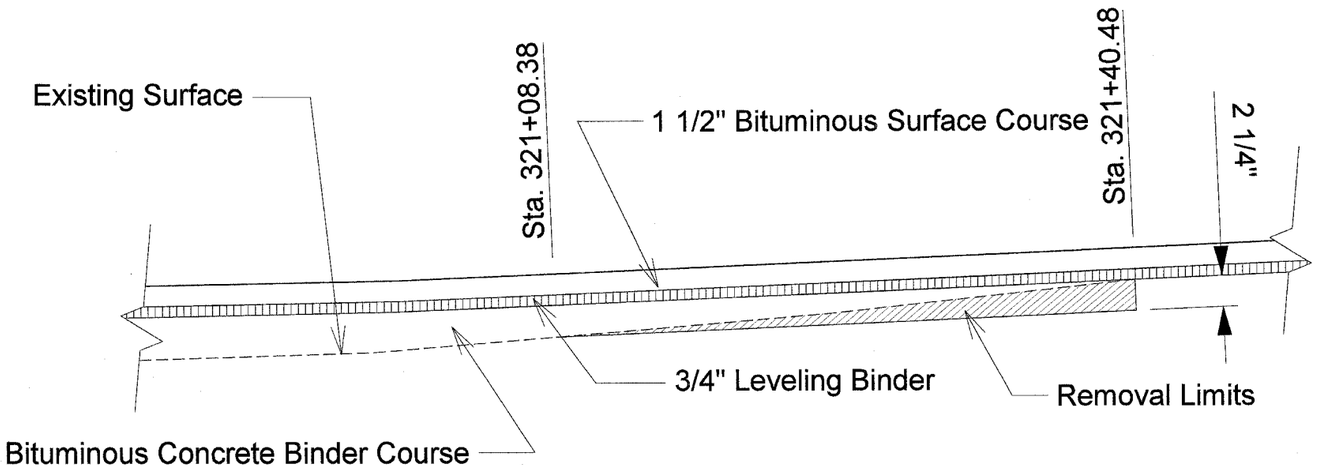
PLOT DATE = 8/21/2025
FILE NAME = S:\DEA\DRAFT\STDBPLNS\SQUADIVIL '89\Phase IINCulv Ext.dgn
PLOT SCALE = 2.00000 ' / IN.
USER NAME = brucebm

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	56
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



BUTT JOINT DETAIL

From Sta. 317+32.20 to 317+71.61



BUTT JOINT DETAIL

From Sta. 321+08.38 to 321+40.48

DATE	REVISIONS	BY

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINTS DETAIL

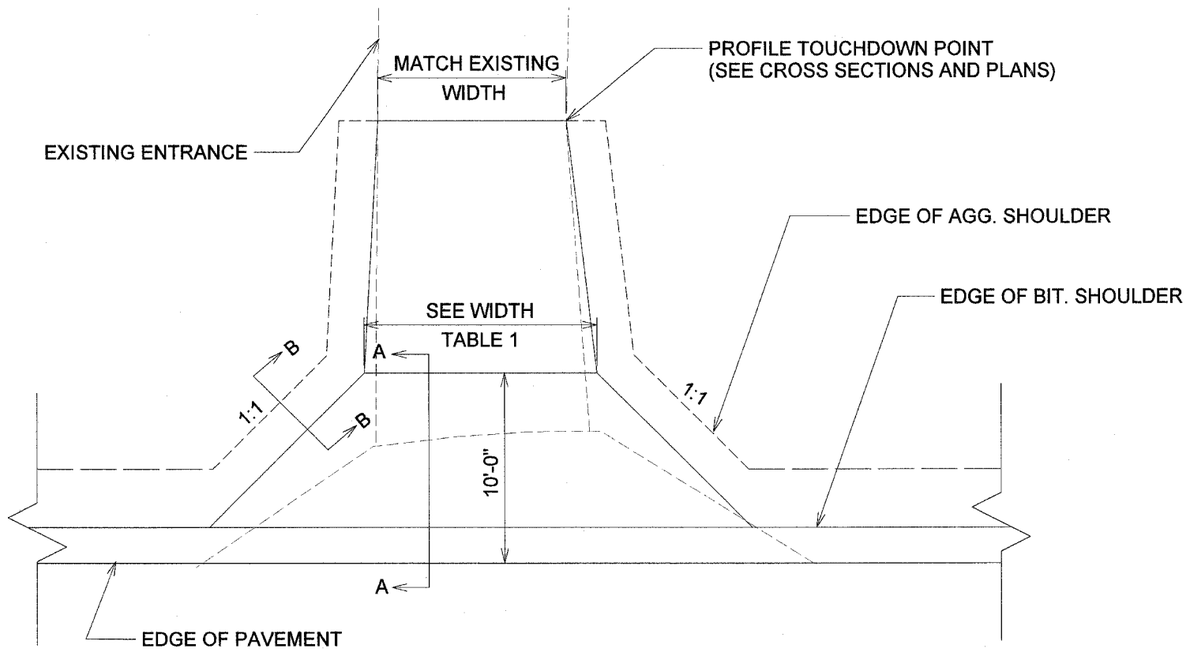
SCALE: NOT DRAWN TO SCALE DRAWN BY LCE

DATE $$DATE$$ CHECKED BY:

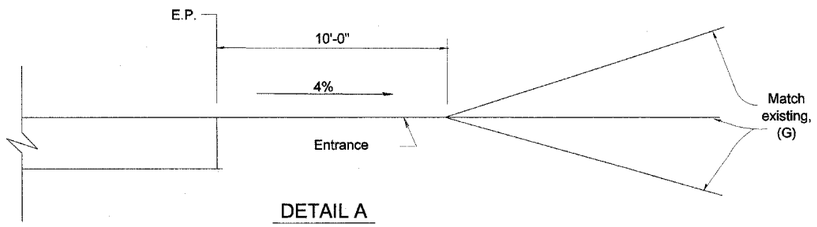
$$DATE$$

DGN-ONLY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	57
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

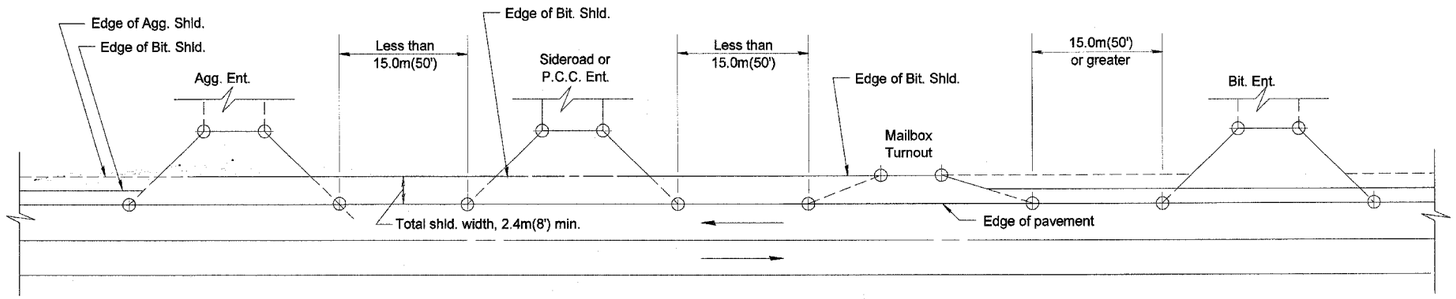


TYPICAL ENTRANCE



DETAIL A

ENTRANCE PROFILE CONTROLS



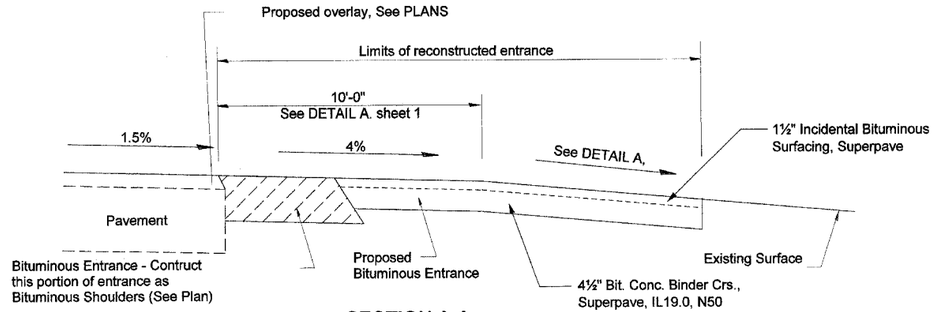
DETAIL B

SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS, ENTRANCES, AND/OR MAILBOX TURNOUTS
(SEE GENERAL NOTE 2, SHEET 1)

TABLE 1								
RURAL ENTRANCE DESIGN								
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT		COMMERCIAL			
					1-WAY OPERATION		2-WAY OPERATION	
WIDTH (W)	3.6m(12') MIN.	7.2m(24') MAX.	6.1m(20') MIN.	9.0m(30') MAX.	4.3m(14') MIN.	7.2m(24') MAX.	7.2m(24') MIN.	10.7m(35') MAX.
MAX. GRADE (G)	12%		12%		10%			

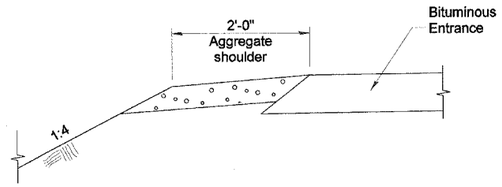
GENERAL NOTES

1. Entrances shall slope away from the pavement edge at a rate equal to the shoulder slope for a minimum distance of 10'. See DETAIL 'A'.
2. The total shoulder width, 8' minimum, shall be paved between sideroads, entrances and/or mailbox turnouts, at locations where the distance between radius or taper control points is less than 50'. See DETAIL 'B'.
3. The width of bituminous stub for field entrances shall be equal to the bituminous shoulder width unless otherwise shown.



SECTION A-A

RECONSTRUCTED BITUMINOUS ENTRANCE



SECTION B-B

SHOULDER TREATMENT FOR BITUMINOUS ENTRANCES

DATE	REVISIONS	BY

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL ENTRANCES DETAILS

SCALE: NOT DRAWN TO SCALE DRAWN BY LCE

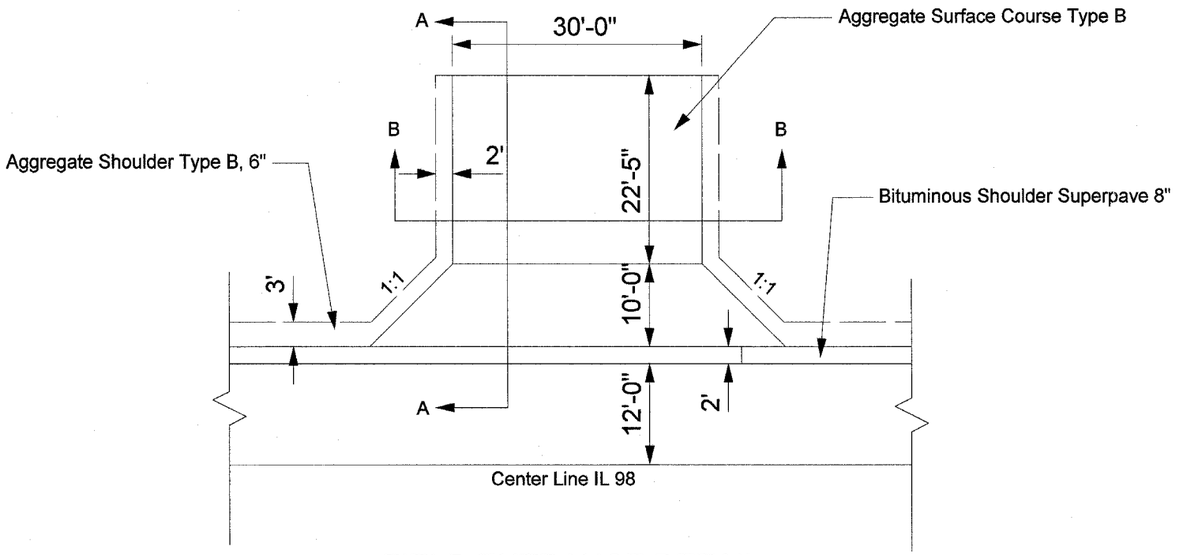
DATE $$DATE$$ CHECKED BY:

$$DATE$$

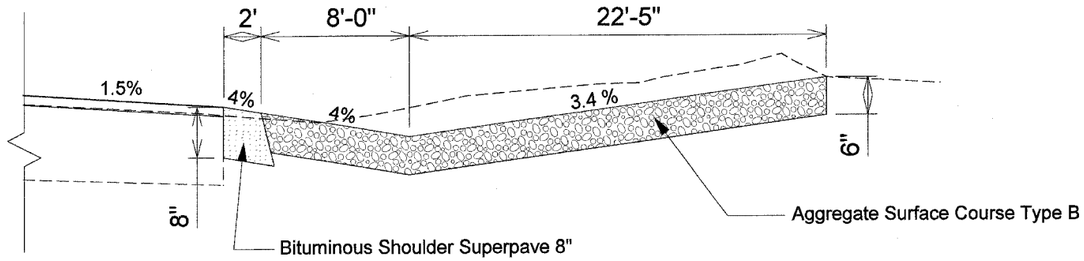
DGN-ONLY

CONTRACT NO. 68247

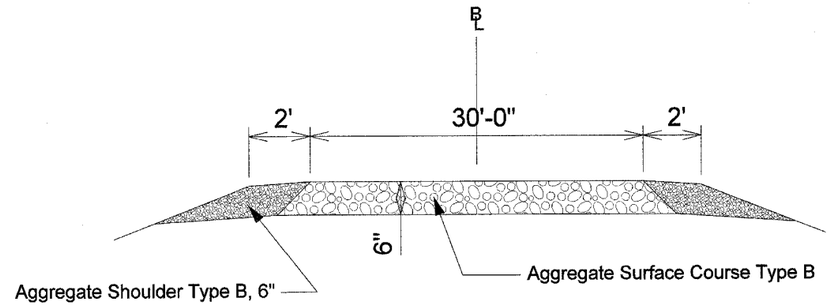
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	58
STA. 308+58	TO STA. 329+21			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



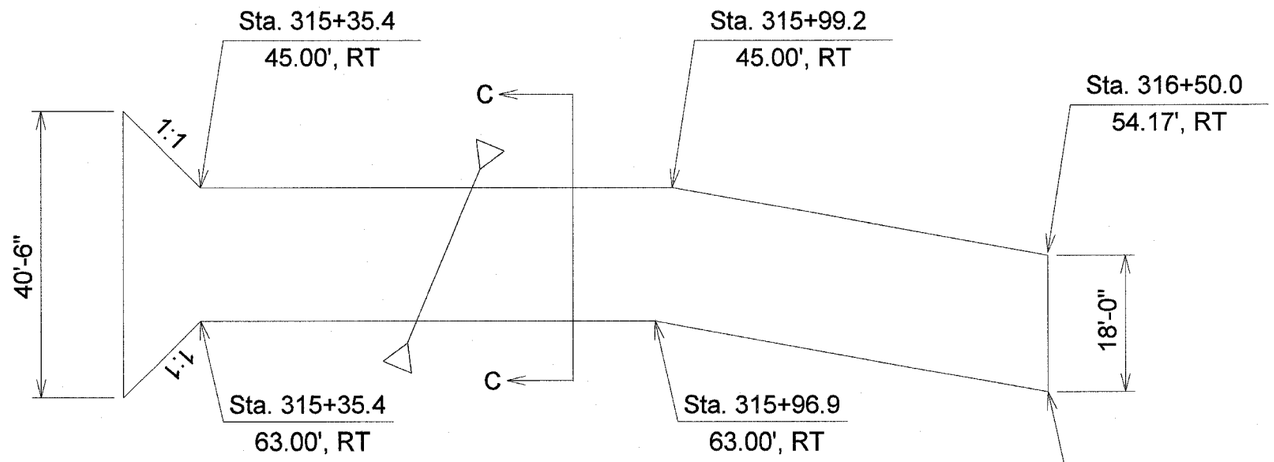
FIELD ENTRANCE DETAIL
Rt. Sta. 325+78.2



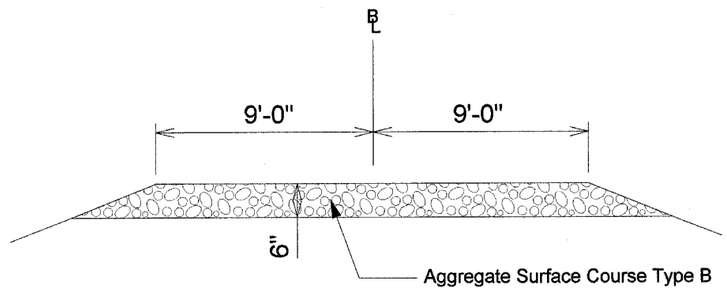
SECTION A-A



SECTION B-B



FIELD ENTRANCE DETAIL
Rt. Sta. 315+25 to 316+50



SECTION C-C

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCE DETAILS

SCALE: NOT DRAWN TO SCALE

DRAWN BY LCE

CHECKED BY:

$$DATE$$

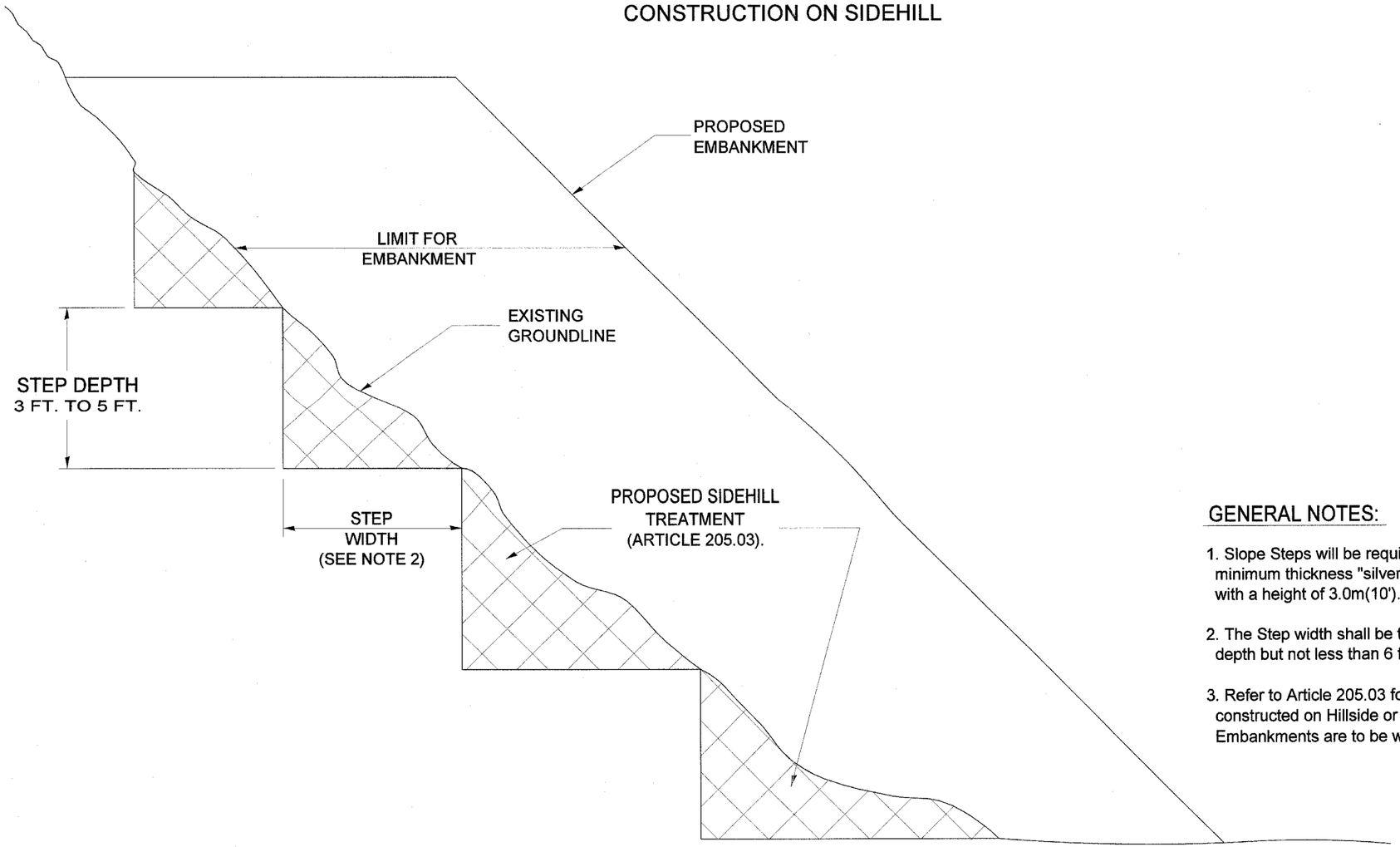
DGN-ONLY

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	59
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 300(12) minimum thickness "silver fills" and on a fills with a height of 3.0m(10').
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

DESIGNER NOTE:

1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

REPLACEMENT MATERIAL:

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

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

DATE	REVISIONS	BY
1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

SLOPE STEPS DETAIL

CADD STD. NO. 205001-D4

SCALE: NOT DRAWN TO SCALE — DRAWN BY CADD

DATE $$DATE$$ — CHECKED BY

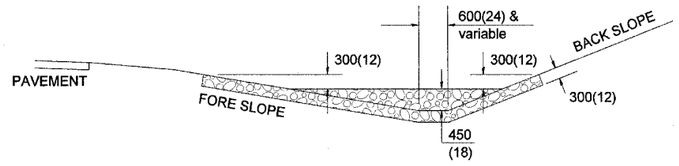
205001-D4

$$DATE$$

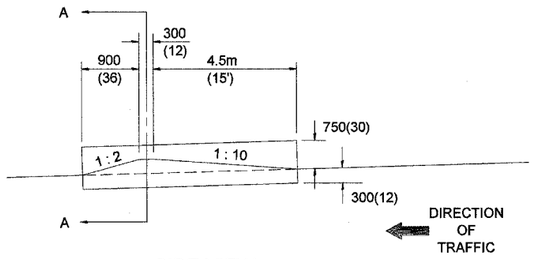
"DGN-ONLY"

CONTRACT NO. 68247

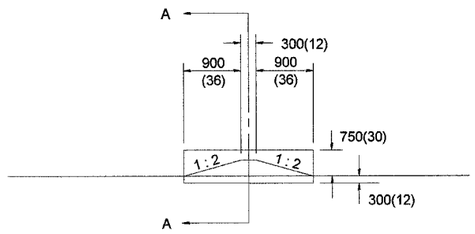
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	60
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



SECTION A - A

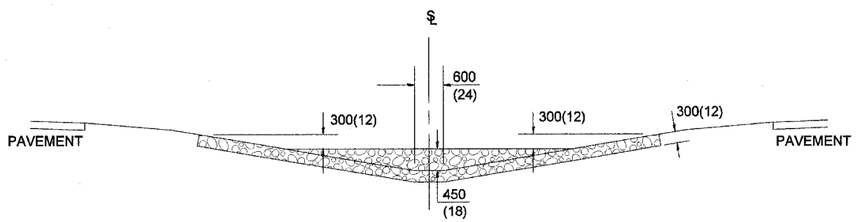


SIDE VIEW
(WITHIN CLEAR ZONE)

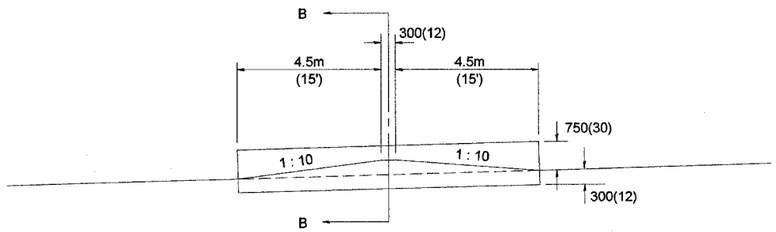


SIDE VIEW
(OUTSIDE OF CLEAR ZONE)

SIDE DITCH AGGREGATE DITCH CHECK



SECTION B - B



SIDE VIEW

MEDIAN AGGREGATE DITCH CHECK

NOTES:

1. FOR DITCH BOTTOM PROTECTED BY EXCELSIOR BLANKET,USE 120m(400') SPACING. FOR SEEDED DITCH BOTTOM, USE 60m(200') SPACING.
2. THIS WORK CONSISTS OF THE COMPLETE INSTALLTION OF EROSION CONTROL DITCH CHECK AT LOCATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE AGGREGATE GRADATION SHALL BE RR3 WITH A MINIMUM QUALITY OF CLASS C.

LOCATION				NUMBER	FORE	DITCH	BACK	BERM
STATION	MEDIAN	SIDE DITCH LEFT	SIDE DITCH RIGHT	OF DITCH CHECKS	SLOPE	BOTTOM WIDTH	SLOPE	SLOPE
313+87		50'		1	4:1	2'	3:1	2:1
316+67.6		51.5'		1	4:1	2'	3:1	2:1
317+00			51.5'	1	3:1	2'	3:1	2:1
319+00			54.5'	1	2:1	2'	3:1	2:1
320+50		49.2'	41.0'	2	3:1	2'	3:1	2:1
321+00		41.1'		1	3:1	2'	3:1	2:1
321+50		36.3'		1	3:1	2'	4:1	2:1

ESTIMATE QUANTITIES

	FORE SLOPE	DITCH BOTTOM	BACK SLOPE	BERM SLOPE	AGGREGATE DITCH CHECK EROSION CONTROL METRIC TON(TON)
MEDIAN DITCH	1 : 6	600(24)	——	1 : 10	86(95)
SIDE DITCH	1 : 6	600(24)	1 : 4	1 : 10 & 1 : 2	45(50)
SIDE DITCH	1 : 6	600(24)	1 : 4	1 : 2 & 1 : 2	17(19)
SIDE DITCH	1 : 4	600(24)	1 : 3	1 : 10 & 1 : 2	16(18)
SIDE DITCH	1 : 4	600(24)	1 : 3	1 : 2 & 1 : 2	13(14)

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

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

DESIGNER NOTES:
1. Designer to modify this detail Special Detail Sheet, as needed, for inclusion in plans.
2. Determine the required clear zone in order to select the berm slopes.
3. Include State Standard 280001.

QUANTITIES

CALC. BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

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

$$D/$$DESIGNATE$$

DGN-ONLY

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.04, NEW REVISION BOX.	T.P.
	REVISED TITLE BOX, ADDED QUANTITY	
	CALCULATION BOX	

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL SHEET

EROSION CONTROL AGGREGATE DITCH CHECK

CADD DETAIL 280101-D4 DRAWN BY CADD

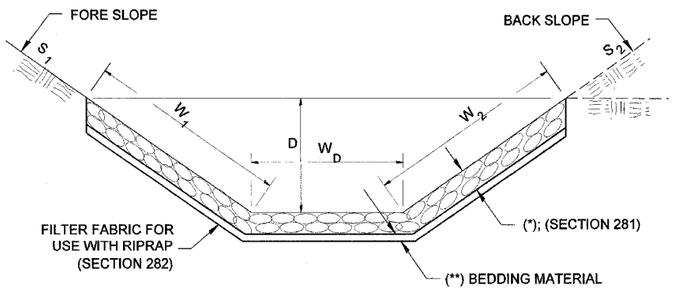
SCALE: NOT DRAWN TO SCALE CHECKED BY

280101-D4

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	61
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

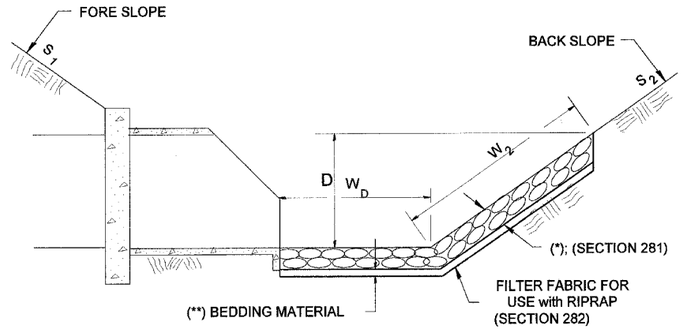
CASE 1
(DITCH)



STONE RIPRAP CLASS A4 & B3				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	LIN FT	LIN FT	SQ YD	SQ YD
LT STA. 312+00 - 312+23.7	12 to 10	24.4	29.8	29.8
LT STA. 312+55.5 - 312+78	14 to 13	23.5	35.3	35.3
LT STA. 312+00 - 312+24.4	13 to 11	27.0	36.0	36.0
RT STA. 311+17 - 311+92	9	75.0	75.0	75.0
RT STA. 315+45 - 315+62	19	23.8	50.2	50.2
RT STA. 315+69 - 319+17	VARIABLE	348.9	753.7	753.7
LT STA. 316+14 - 317+00	11.5 to 9'	92.0	104.8	104.8
LT STA. 317+00 - 317+16	9 to 10	17.0	17.9	17.9
LT STA. 320+17 - 320+24.6	18	5.5	11.0	11.0
LT STA. 320+24.6 - 320+50	18 to 16	29.0	54.8	54.8
LT STA. 320+50 - 321+00	16 to 8.5	48	65.3	65.3
LT STA. 321+00 - 321+18	8.5 to 14	18	22.5	22.5
RT STA. 320+25 - 320+50	16 to 24	36	80.0	80.0
RT STA. 320+50 - 321+00	13 to 16	53	85.4	85.4
TOTAL			1,421.7	1,421.7

(1) WIDTH = W_1+ W_2+ W_D

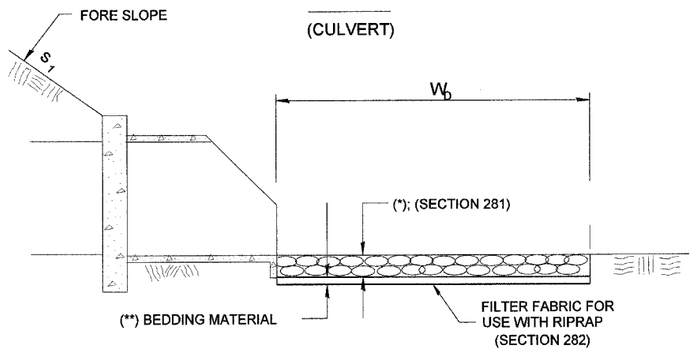
CASE 2
(CULVERT & SLOPE)



STONE RIPRAP CLASS A4				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	LIN FT	LIN FT	SQ YD	SQ YD
LT STA. 312+23.7 - 312+55.5	14 to 20	33.2	60.8	60.8
TOTAL			60.8	60.8

(1) WIDTH = W_2+ W_D

CASE 3



LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	LIN FT	LIN FT	SQ YD	SQ YD
TOTAL				

(1) WIDTH = W_D

Designer NOTEs:
1. Designer to modify this Special Detail Sheet, as needed for inclusion in plans.
2. (*) Designer to specify any item including material, quality, and gradation.
3. (**) Designer to specify thickness of bedding material.
4. Include District Special Provision if needed.

$$DATE$$

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

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

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL SHEET

RIPRAP DITCH FOR EROSION PROTECTION

CADD DETAIL 281001-D4

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

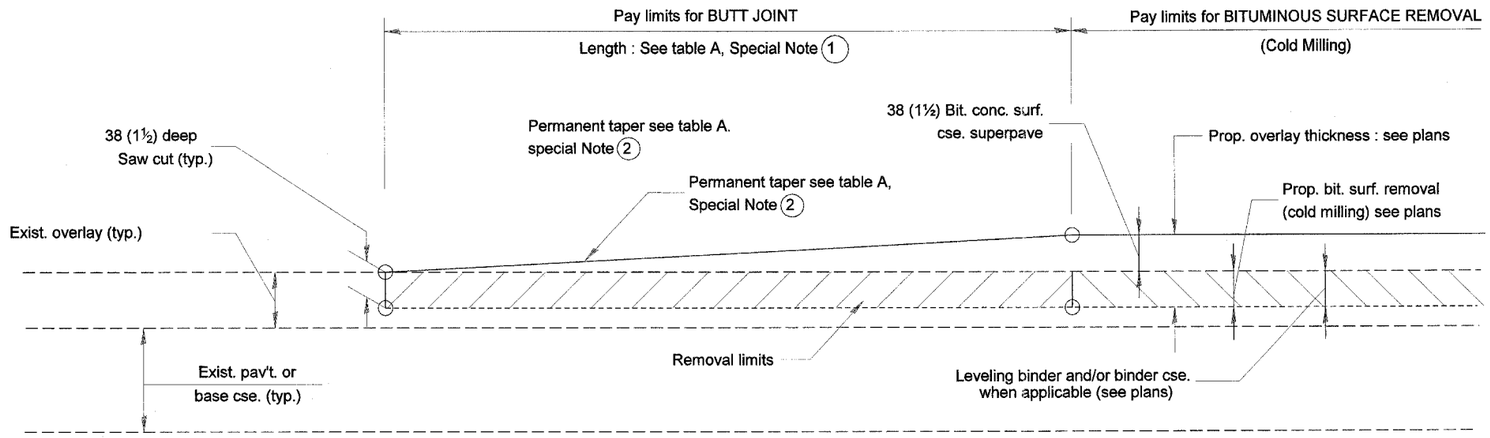
DATE $$DATE$$ CHECKED BY

281001-D4

DGN-ONLY

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	62
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



CASE 1 : WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)

TABLE A

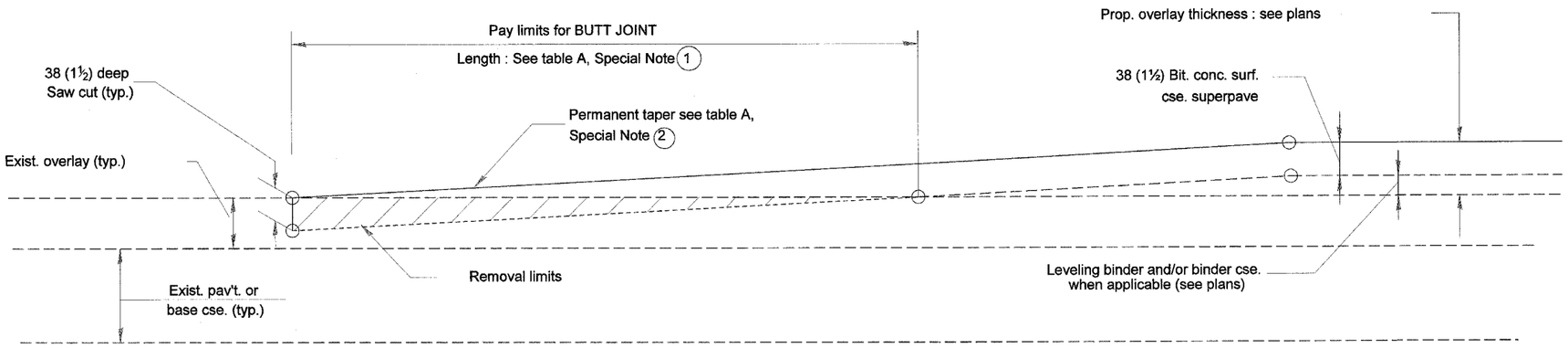
(LENGTHS AND TAPER RATES)

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

GENERAL NOTES

1. The work shall be done in accordance with Article 406.18 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.03 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.06.

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



CASE 2 : NO BITUMINOUS SURFACE REMOVAL (COLD MILLING)

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

DATE	REVISIONS	BY
1-1-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4 SHEET 1 OF 3

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

DATE $$DATE$$ CHECKED BY

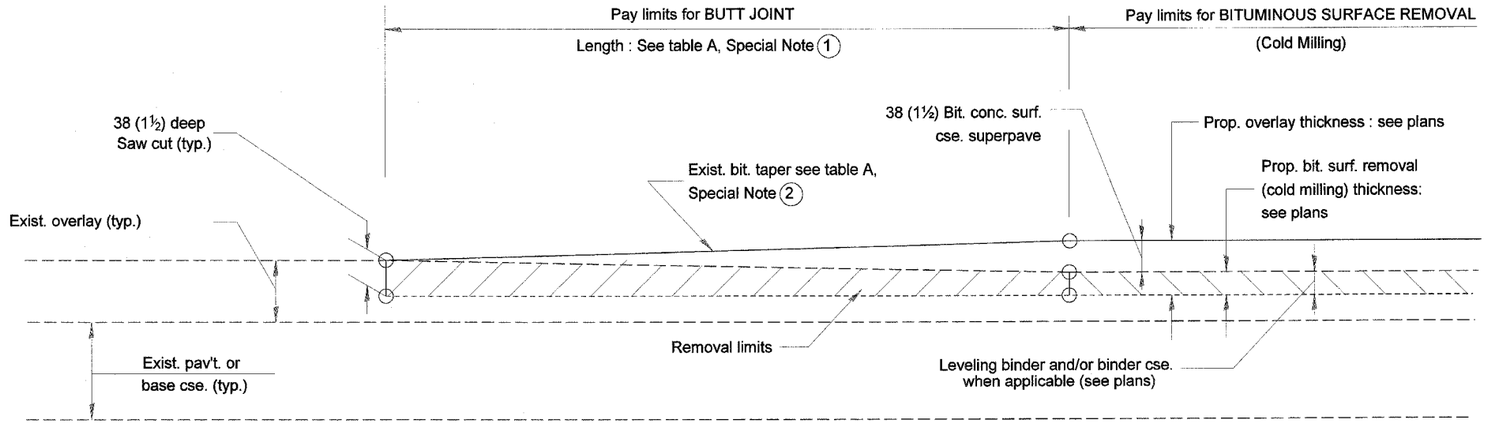
406101-D4 (1)

$$DATE$$

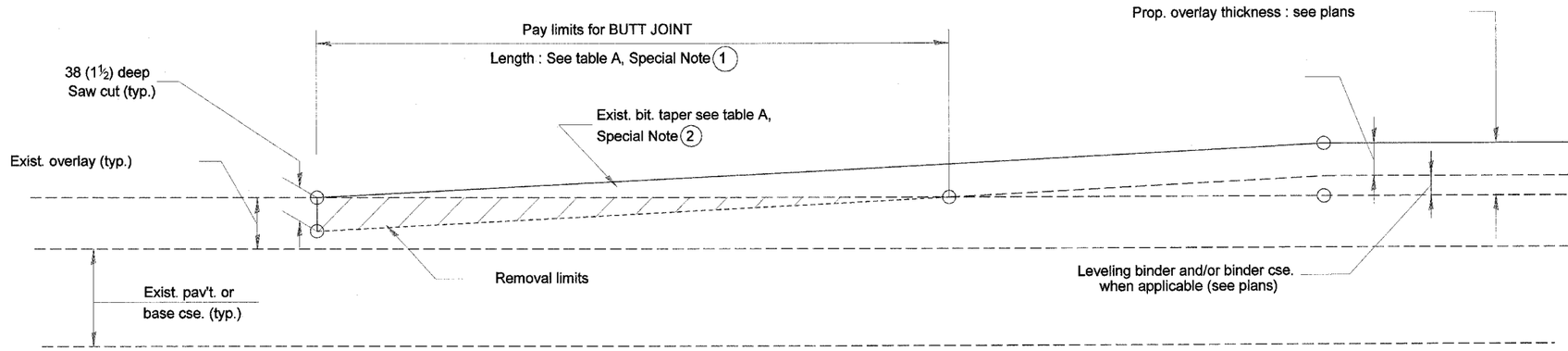
DGN-ONLY

CONTRACT NO. 68247

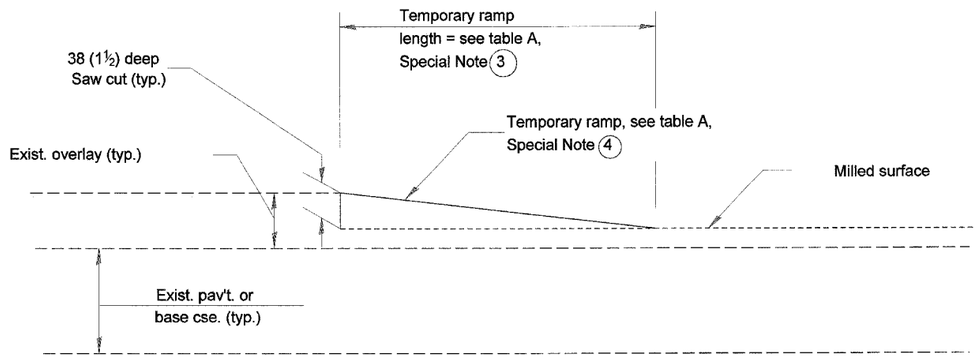
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	63
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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



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



DETAIL TEMPORARY RAMP

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4

SHEET 2 OF 3

SCALE: NOT DRAWN TO SCALE

DRAWN BY CADD

CHECKED BY

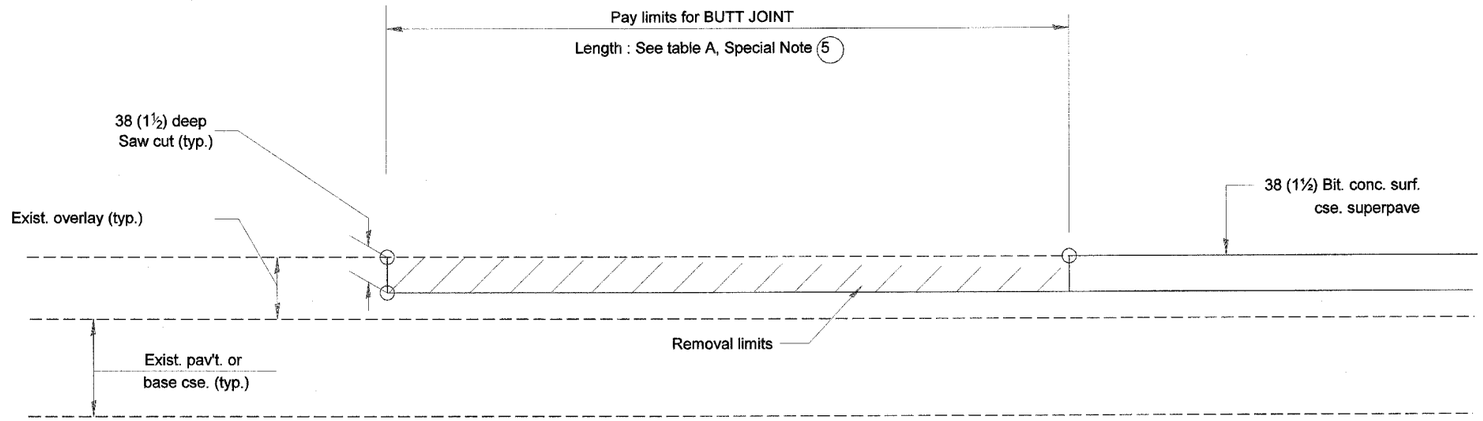
406101-D4 (2)

$$DATE$$

DGN-ONLY

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	64
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4 SHEET 3 OF 3

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

CHECKED BY

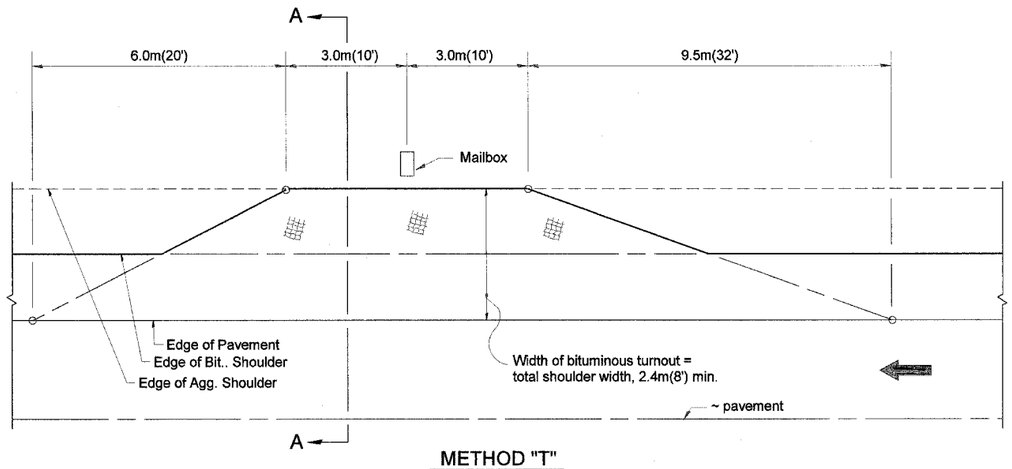
406101-D4 (3)

$$DATE$$

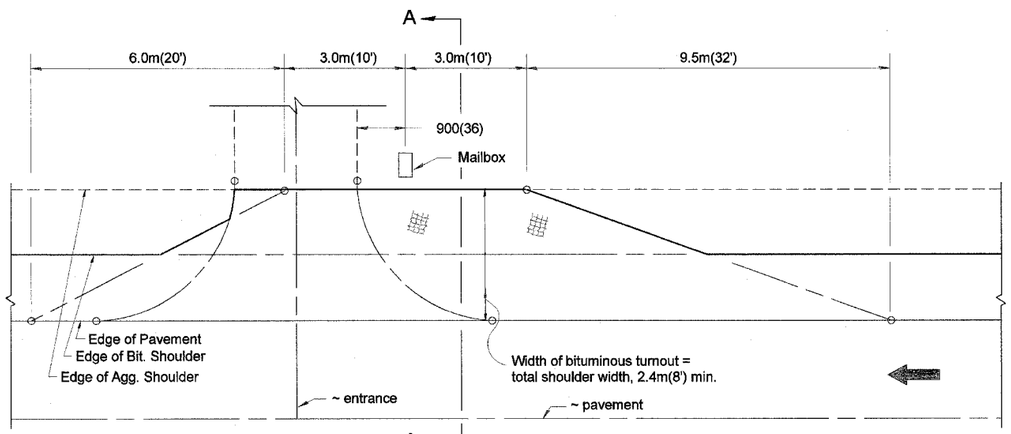
DGN-ONLY

CONTRACT NO. 68247

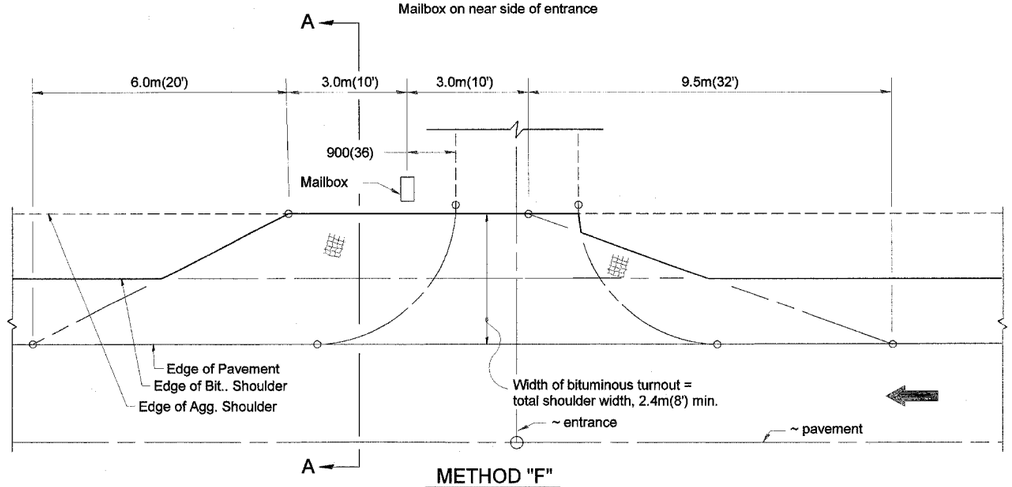
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	65
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



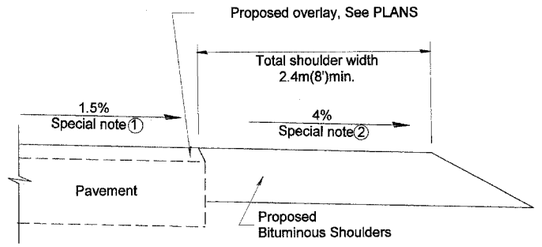
METHOD "T"
Typical Application



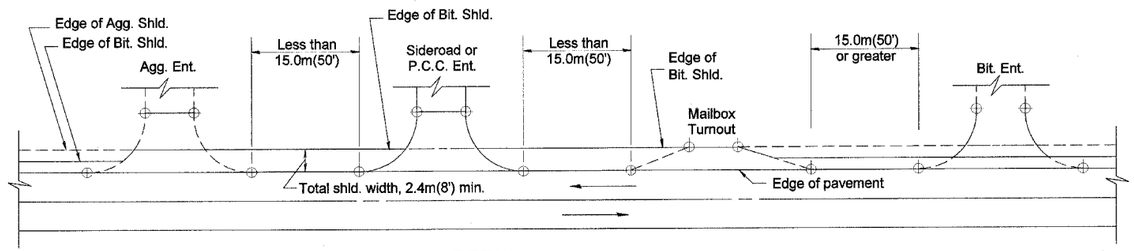
METHOD "N"
Mailbox on near side of entrance



METHOD "F"
Mailbox on far side of entrance



SECTION A-A



DETAIL A

SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS,
ENTRANCES, AND/OR MAILBOX TURNOUTS

GENERAL NOTES

1. Mailbox turnouts shall slope away from the pavement edge at a rate equal to the shoulder slope. See SECTION A-A.

2. The total shoulder width, 2.4m(8') minimum, shall be paved between sideroads entrances and/or mailbox turnouts at locations where the distance between radius or taper control points is less than 15.0m(50'). See DETAIL A.

3. Mailboxes shall be mounted such that the face of the mailbox is 150(6) to 300(12) and the post a minimum of 600(24) from the edge of the turnout surfacing.

SPECIAL NOTES

(1) The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.

(2) The shoulder slope shall control the turnout slope. The standard cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 1.8m(6') and wider and 12% for shoulders 1.2m(4') and less. Where 300(12) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

DESIGNER NOTE
1. THIS DRAWING REPLACES STATE STANDARD 406201
2. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE MANUAL

$$DATE$$

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

DATE	REVISIONS	BY
1-1-97	RENUM. C-90.01, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

MAILBOX TURNOUTS FOR "3R" PROJECTS

CADD STD NO. 406201-D4
SCALE: NOT DRAWN TO SCALE

DRAWN BY: CADD
CHECKED BY: T. PICKERING

406201-D4

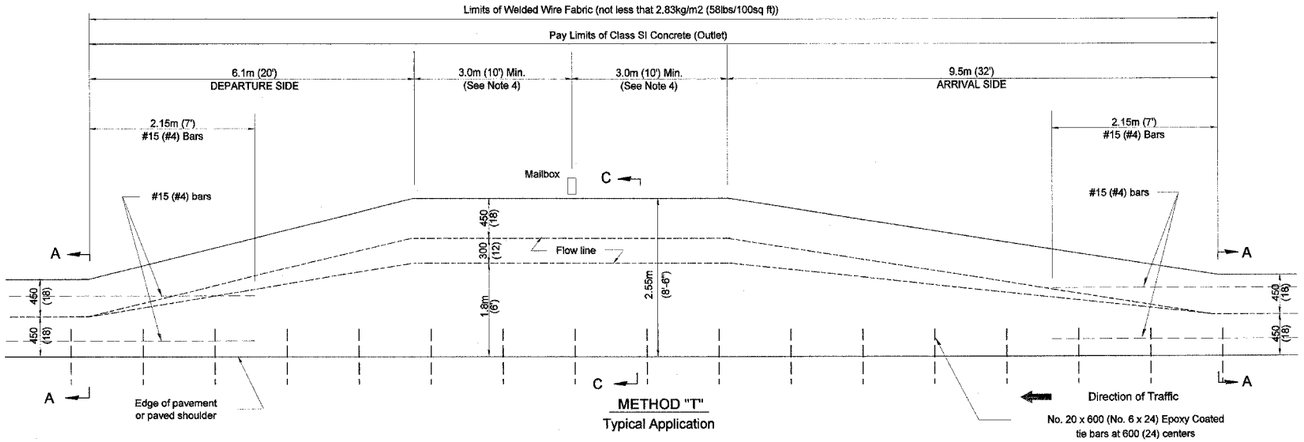
DGN-ONLY

CONTRACT NO. 68247

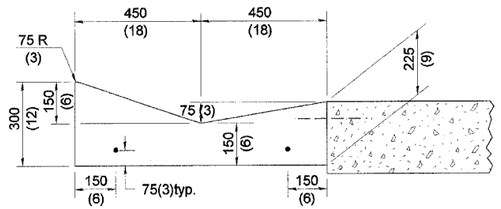
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	66
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

DESIGNER NOTE
1. CONSIDERATION SHOULD BE GIVEN TO CONTINUOUS PAVING OF TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN TURNOUT CONTROL POINTS IS LESS THAN 15.0 m (50').
2. THIS DRAWING SHOULD BE USED IF THERE IS NOT A PAVED SHOULDER OR IF THE PAVED SHOULDER IS LESS THAN 1.83M(6 FT).

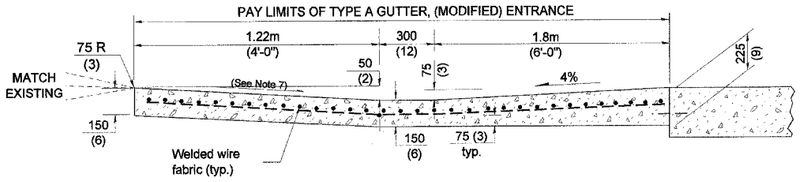
$$DATE$$



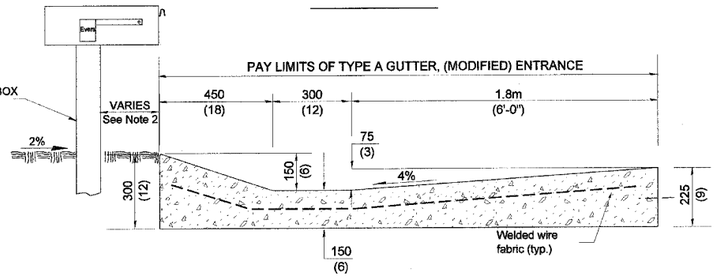
METHOD "T"
Typical Application



SECTION A-A



SECTION B-B



SECTION C-C

METHOD "N"
Mailbox on near side of entrance

METHOD "F"
Mailbox on far side of entrance

QUANTITY CALCULATION			
LOCATION	*LENGTH*	*CU M / M*	*CU YD / FT*
Arrival Side	9.5 m (32 ft)	0.35	0.14
Section B-B	3.6 m (12 ft) Min.	0.57	0.23
Section C-C	6.0 m (20 ft) Min.	0.50	0.20
Departure Side	6.1 m (20 ft)	0.35	0.14

GENERAL NOTES

1. See plans for turnout slopes on super elevated horizonal curves.
2. Mailboxes shall be mounted such that the face of the mailbox is vertically above the back of the gutter.
3. The mailbox turnout shall be saw cut at approximately 3.0 m (10'-0") centers.
4. If more than one mailbox is present, this dimension shall be measured from the end box in each direction.
5. Refer to the plans for entrance width, length and surface type.
6. The cross slope is to be constructed as given in the plans from back of turnout to where driveway matches existing.
7. Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.

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

DATE	REVISIONS	BY

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

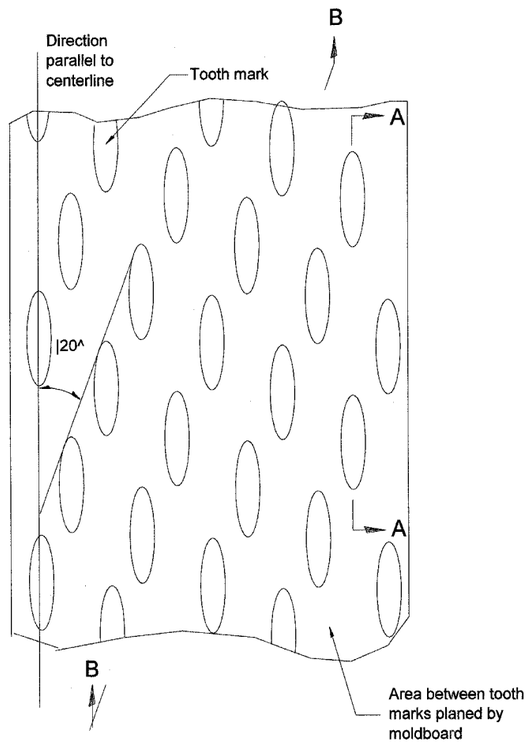
MAILBOX TURNOUTS IN TYPE A GUTTER, (MODIFIED) SECTION

CADD STD NO. 406211-D4
SCALE: NOT DRAWN TO SCALE
DATE: $$DATE$$
DRAWN BY: CADD
CHECKED BY: T. PICKERING

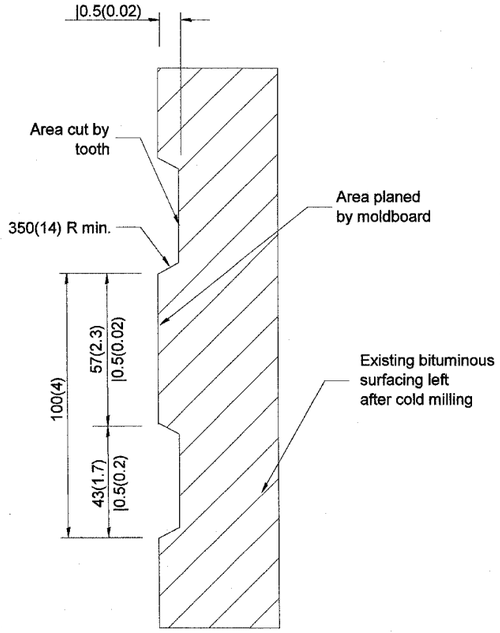
406211-D4

CONTRACT NO. 68247

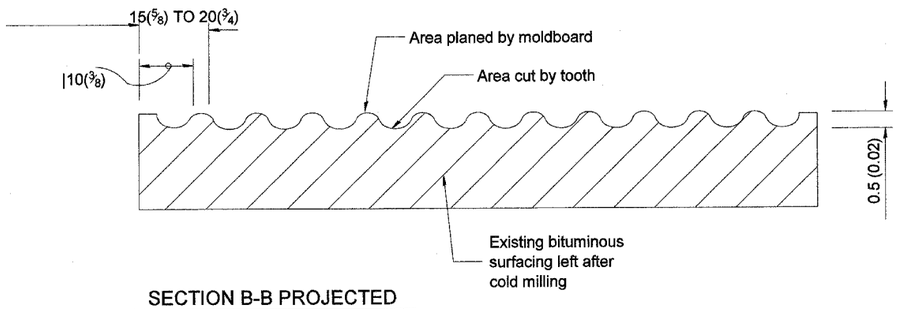
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	67
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.

2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.

DESIGN... NOTE
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

$$DATE$$

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

DATE	REVISIONS	BY
1- 1-97	RENUM. C-104.01, NEW REVISION BOX T. P.	
4-20-98	REMOVED MILLING DETAIL FROM STD. J. A.	
9-08-98	CORRECT NOTE LEADER PLACEMENT R. W.	

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

BITUMINOUS SURFACE REMOVAL (COLD MILLING)

CADD STD NO. 440001-D4

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

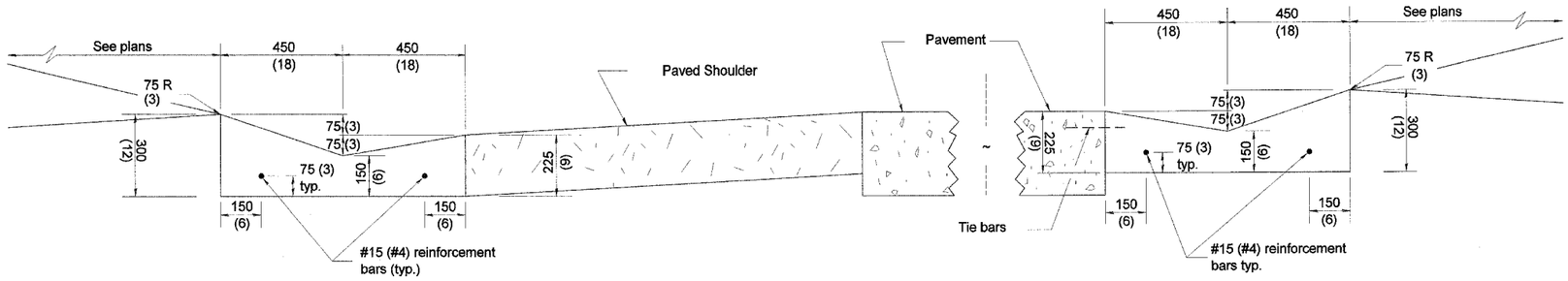
DATE $$DATE$$ CHECKED BY

DGN-ONLY

440001-D4

CONTRACT NO. 68247

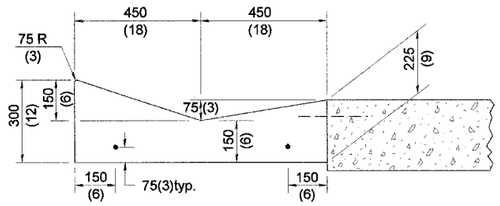
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	68
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



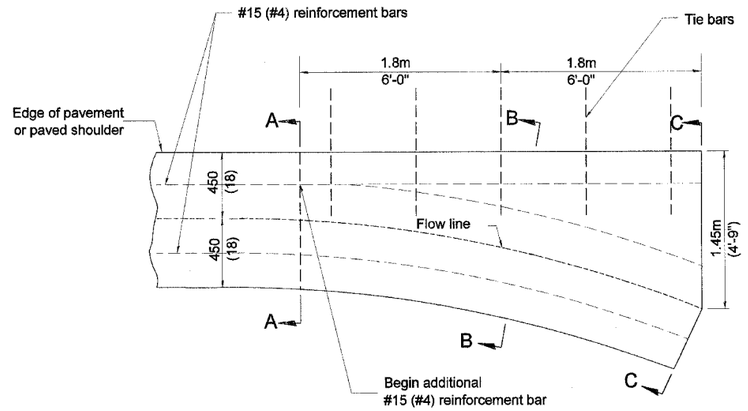
SHOULDER EDGE GUTTER

PAVEMENT EDGE GUTTER

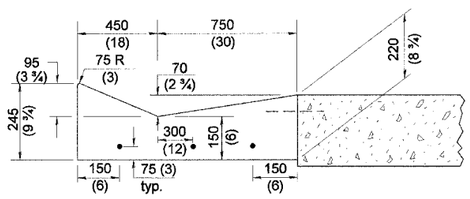
TYPE A GUTTER (MODIFIED)



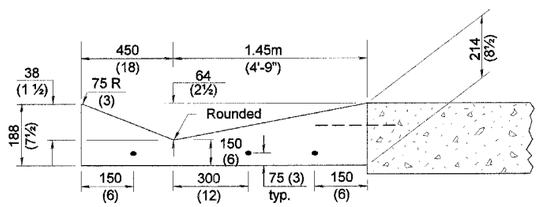
SECTION A-A



PLAN



SECTION B-B



SECTION C-C

QUANTITY
Section C-C to A-A 1.2 cu. yd. concrete.

GENERAL NOTES:

1. TYPE A GUTTER (MODIFIED) shall conform to the the applicable portions of Section 606.
2. Tie bars shall be No. 20 (No. 6) at 600mm (24") centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 2.83 kg/m (58 lbs/400 sq.ft.).

DESIGNER NOTE
1. INCLUDE STATE STANDARD 420001.
2. INCLUDE DISTRICT SPECIAL PROVISION.

QUANTITIES		
CALC. BY:	LCE	MAY 18,2006 DATE:
CHECKED BY:		DATE:
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION		

$$DATE$$

DGN-ONLY

INLET

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

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.02, NEW REVISION	T.P.
	BOX, ELIMINATED EXPANSION	
	ANCHOR TIES.	
2-28-02	ENTRANCE TYPICALS REVISED	M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

TYPE A GUTTER, (MODIFIED) (INLET, OUTLET & ENTRANCE)

CADD STANDARD 606101-D4 SHEET 1 OF 3

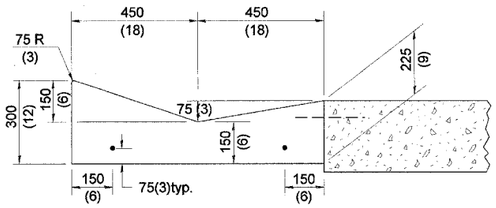
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

DATE $$DATE$$ CHECKED BY

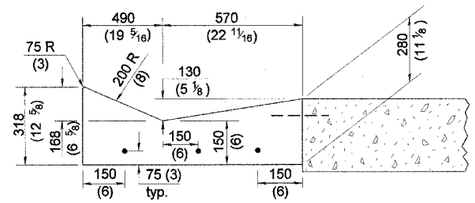
606101-D4 (1)

CONTRACT NO. 68247

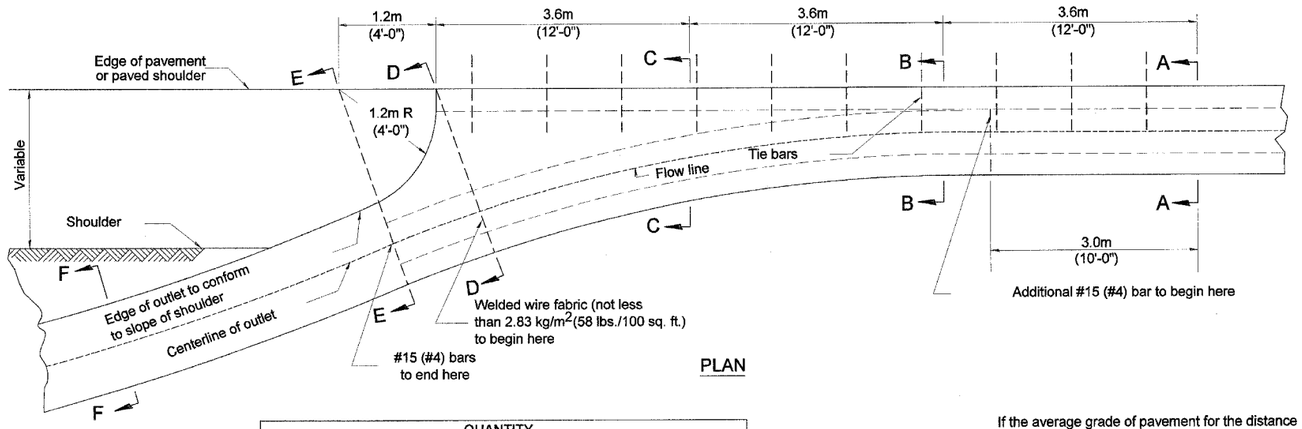
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	69
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



SECTION A-A



SECTION B-B

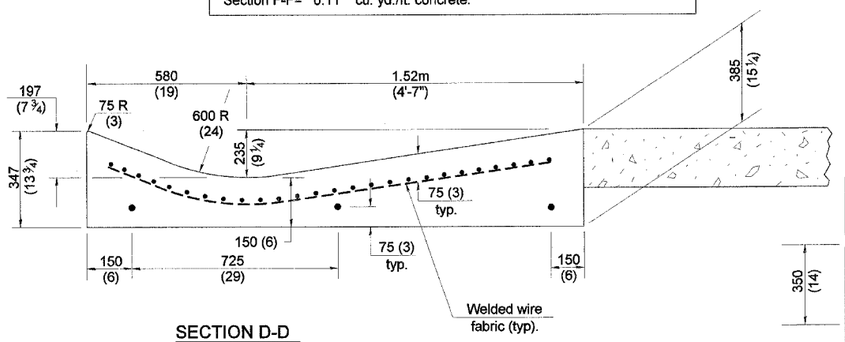


PLAN

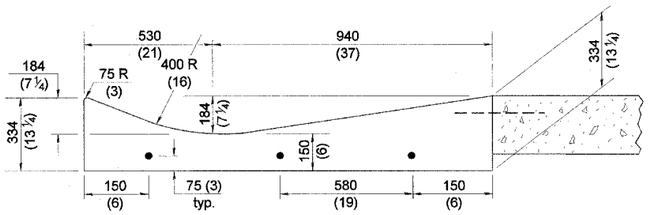
QUANTITY

Section A-A to E-E= 4.96 cu. yd. concrete.
Section F-F= 0.11 cu. yd./ft. concrete.

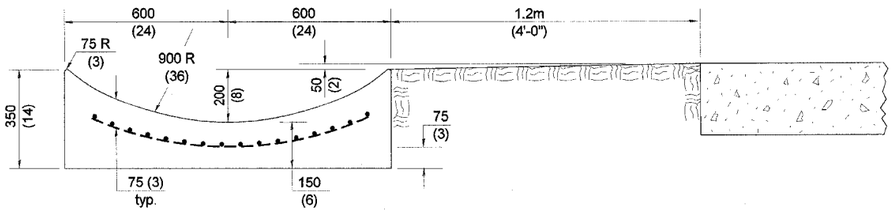
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 1.8 m (6 ft.) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D

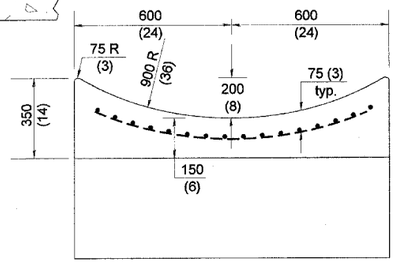


SECTION C-C

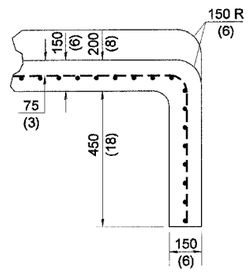


SECTION E-E

OUTLET



SECTION F-F



SECTIONS AT END OF OUTLET
(CURTAIN WALL)

QUANTITY

Curtain Wall
0.17 cu. yd. concrete.

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

QUANTITIES

CALC. BY: LCE DATE: MAY 18,2006
CHECKED BY: _____ DATE:

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

$$DATE$$

DGN-ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

TYPE A GUTTER, (MODIFIED) (INLET, OUTLET & ENTRANCE)

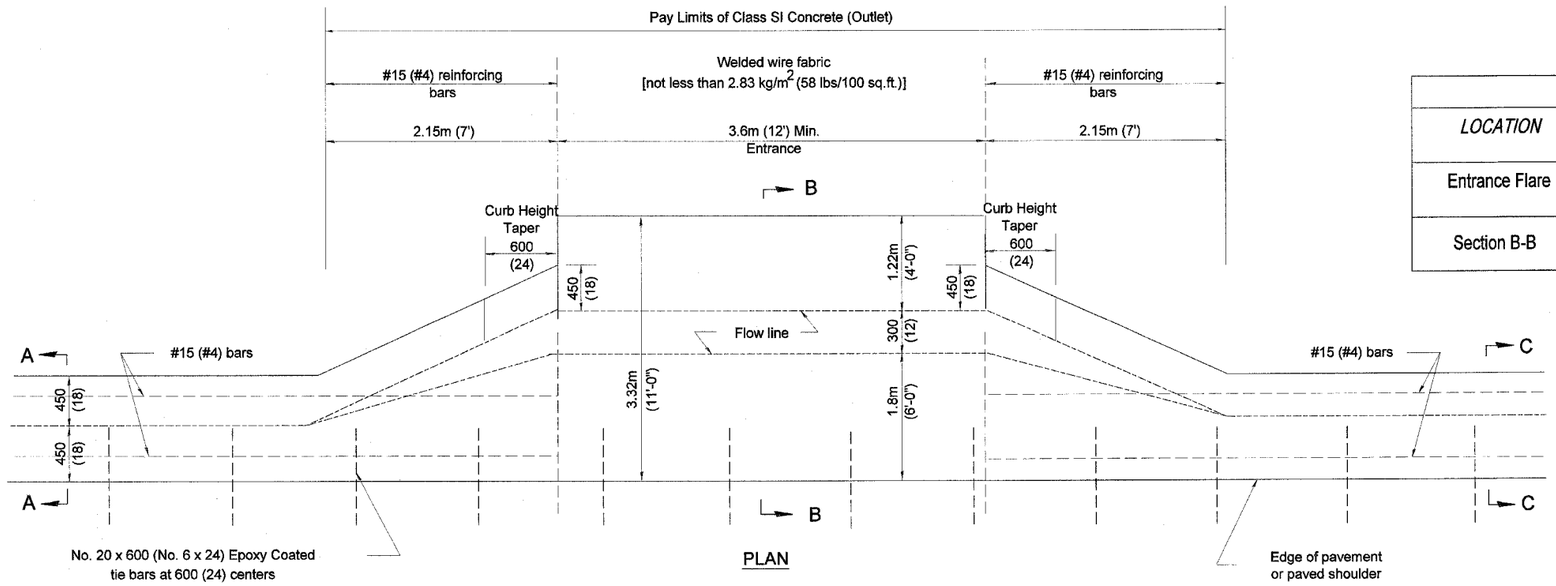
CADD STANDARD 606101-D4 SHEET 2 OF 3

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE $$DATE$$ CHECKED BY

606101-D4 (2)

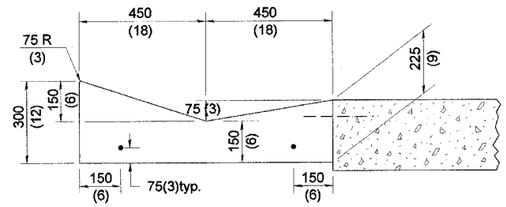
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	70
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

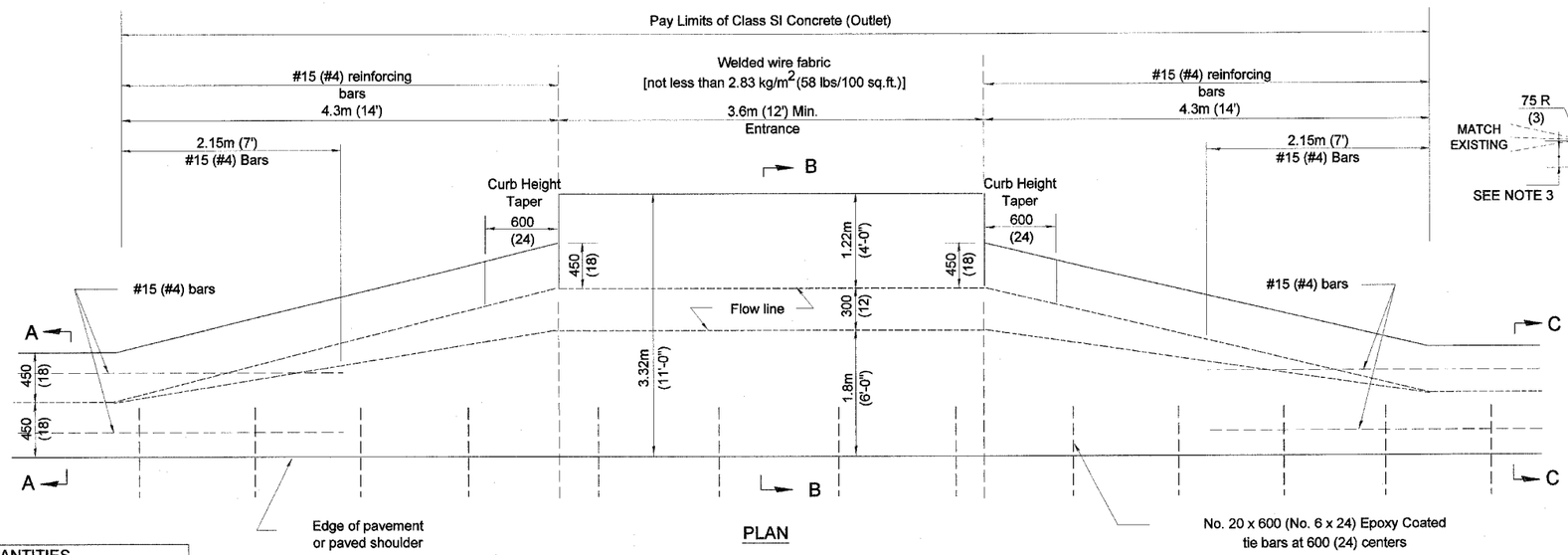


TYPICAL URBAN ENTRANCE

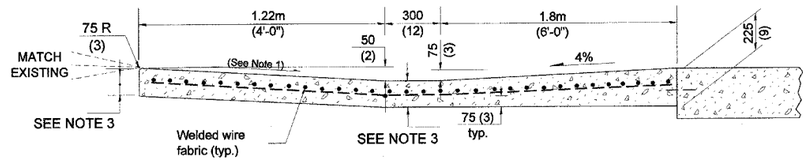
QUANTITY CALCULATION			
LOCATION	*LENGTH*	*NON-COMMERCIAL 150 (6)*	*COMMERCIAL ENTRANCE 200 (8)*
Entrance Flare	2.15 m (7 Ft) Urban 4.30 m (14 Ft) Rural	0.37 Cu M / M (0.15 Cu Yd / Ft)	0.45 Cu M / M (0.18 Cu Yd / Ft)
Section B-B	See Plans	0.57 Cu M / M (0.23 Cu Yd / Ft)	0.70 Cu M / M (0.28 Cu Yd / Ft)



SECTION A-A & C-C



TYPICAL RURAL ENTRANCE



SECTION B-B

GENERAL NOTES

1.) Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.

2.) The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.

3.) For Non-Commercial Entrances the driveway thickness shall be 150 (6). For Commercial Entrances the driveway thickness shall be 200 (8).

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

ENTRANCE

QUANTITIES
CALC. BY: _____ DATE:
CHECKED BY: _____ DATE:
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

$$DATE$$

DGN-ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

TYPE A GUTTER, (MODIFIED)
(INLET, OUTLET & ENTRANCE)

CADD STANDARD 606101-D4 SHEET 3 OF 3

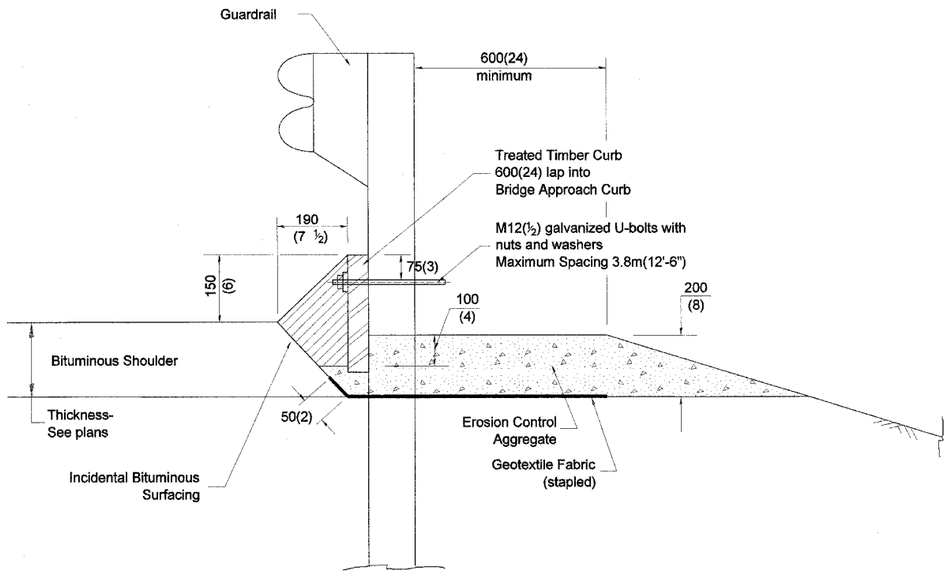
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

DATE $$DATE$$ CHECKED BY

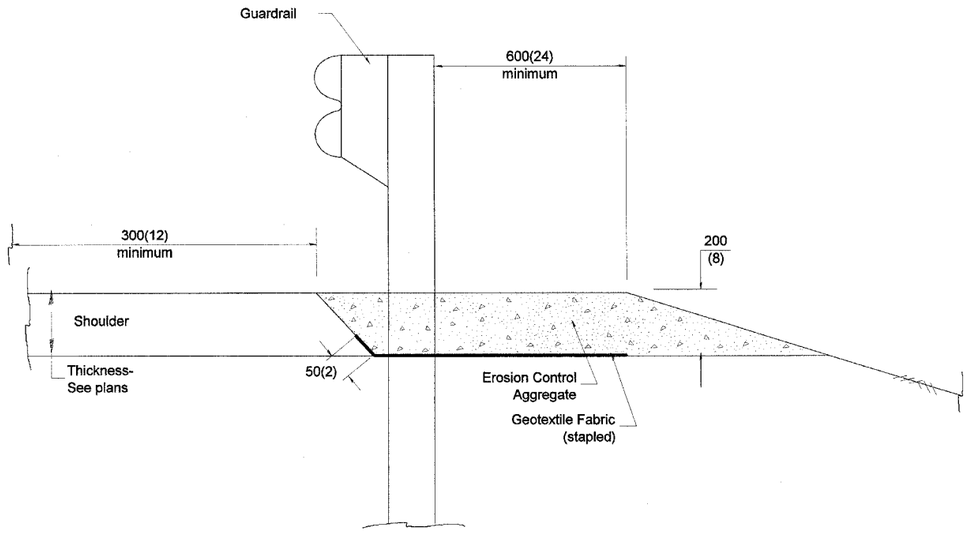
606101-D4 (3)

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	71
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	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 6.4 kg/m^3 (0.40 lbs./cu. ft.)

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 300(12) 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.

DESIGNER NOTE:
1. Use EROSION CONTROL CURB at guardrail installations where grades are equal to or greater than 1% and at inlets. [Include District Special Provision)
2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1% (Include District Special Provision)
3. Include State Standards 606001, 609006 or 610001 if applicable.
4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.
5. Include District Special Provision - "Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.

$$DATE$$

DGN-ONLY

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

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.	

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL EROSION CONTROL TREATMENTS

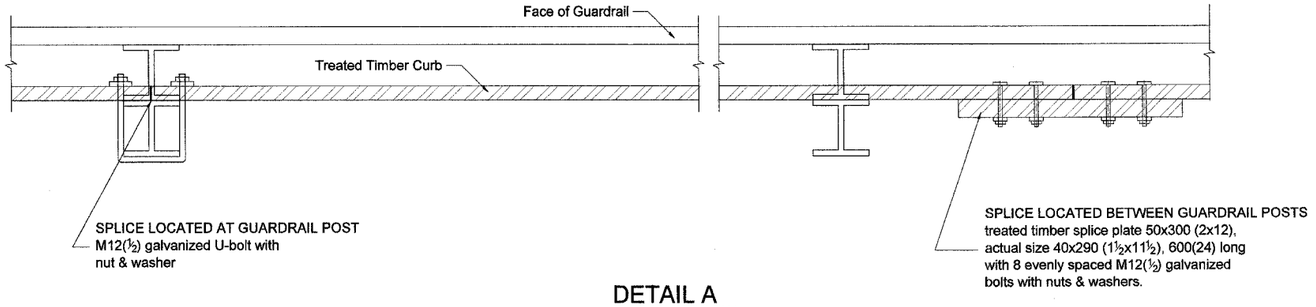
CADD STD NO. 630101-D4(1)
SCALE: NOT DRAWN TO SCALE
DATE $$DATE$$

SHEET 1 OF 2
DRAWN BY CADD
CHECKED BY

630101-D4(1)

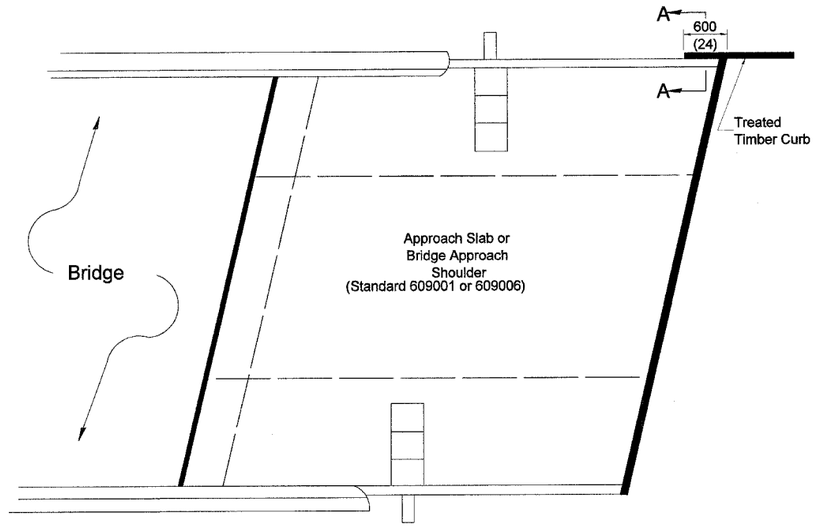
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	72
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



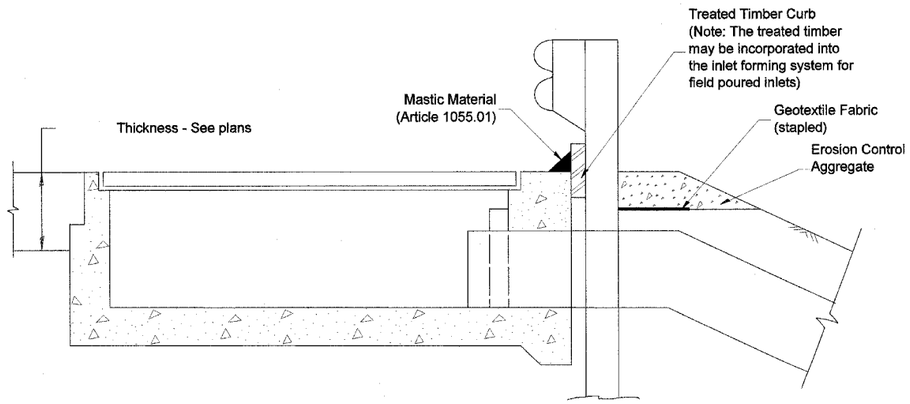
DETAIL A

(Typical Treated Timber Splices)

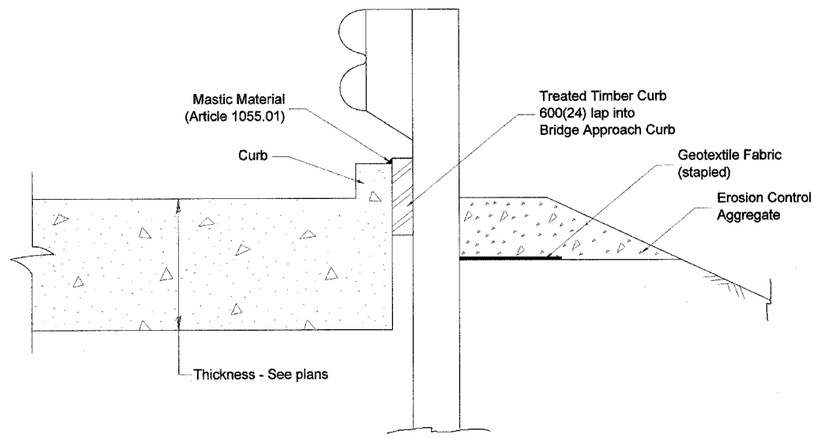


PLAN VIEW

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 millimeters
(inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL EROSION CONTROL TREATMENTS

CADD STD NO. 630101-D4(2)	SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE $$DATE$$	CHECKED BY

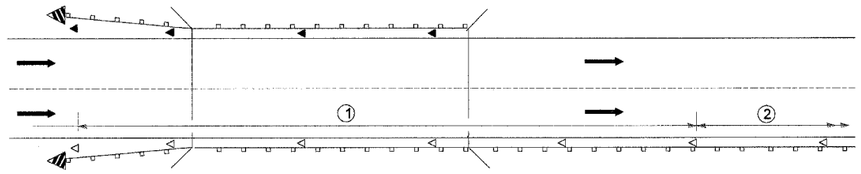
$$DATE$$

"DGN-ONLY"

630101-D4(2)

CONTRACT NO. 68247

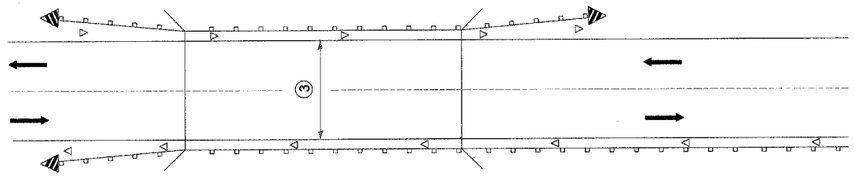
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	73
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



① Spacing 24 m (80 ft.) max. for first 122 m (400 ft.) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).

② After 122 m (400 ft.), transition to normal delineator spacing shown in Standard 635001, and continue as required.

ONE-WAY TRAFFIC



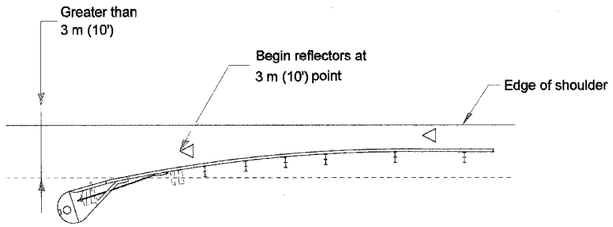
③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 610 (24) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

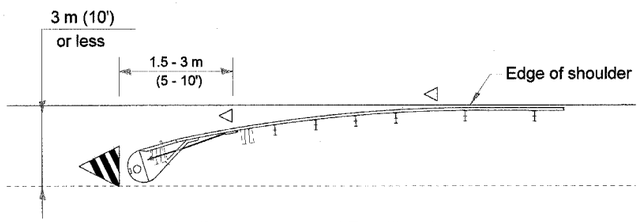
- Monodirectional silver
- Monodirectional amber
- Terminal Marker - Black/Yellow Left or Right as appropriate



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

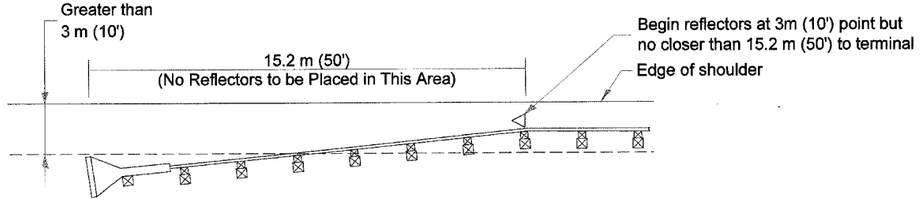
Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

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



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

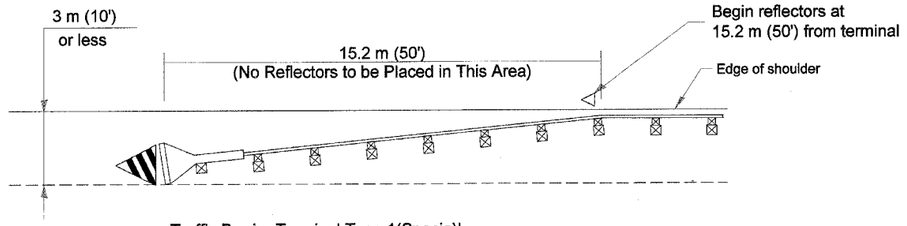
[Terminal over 3 m (10') or less from edge of shoulder]
*See Plans for Type



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

Traffic Barrier Terminal Type 1 (Special)

[Terminal over 3 m (10') from edge of shoulder]



Traffic Barrier Terminal Type 1(Specia)l

[Terminal 3 m (10') or less from edge of shoulder]

TERMINAL MARKER PLACEMENT

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

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

$$DATE$$

DATE	REVISIONS	BY
1-1-97	RENUM. E-10.02, NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. SPEC. #	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL AND BARRIER WALL DELINEATION

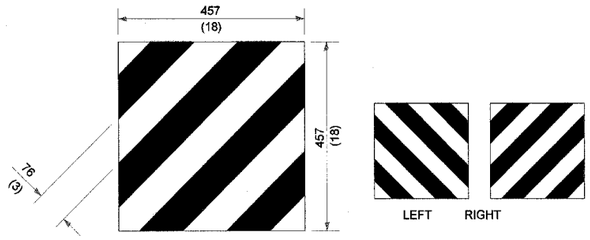
CADD STD. NO. 635101-D4 SHEET 1 OF 3
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE $$DATE$$ CHECKED BY

DGN-ONLY

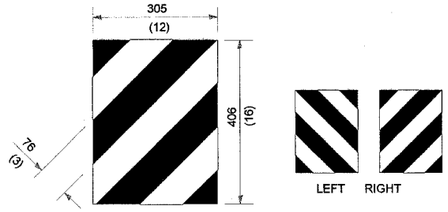
635101-D4 (1)

CONTRACT NO. 68247

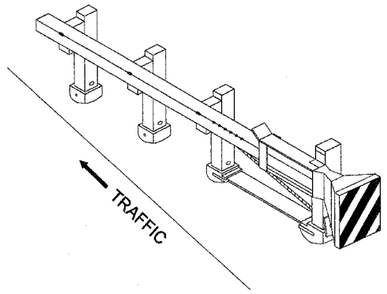
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	74
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



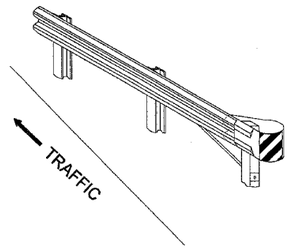
For Traffic Barrier Terminal Type 1 (Special)



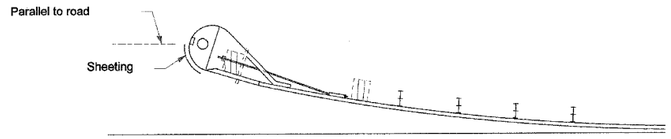
For Traffic Barrier Terminal Type (*)
and Post Mount
* See Plans for Type



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



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



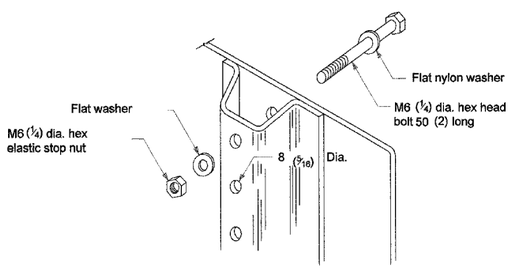
Sheeting Position for
Traffic Barrier Terminal Type (*)
* See Plans for Type

TERMINAL MARKER DETAILS

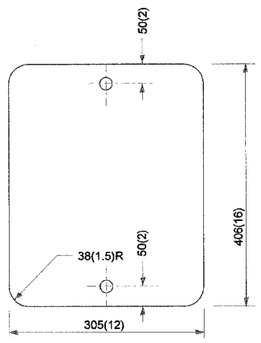
Color: Black / Yellow reflectorized

OM - I100 (L or R) Direct applied reflective sheeting

OM - I200 (L or R) Post mounted

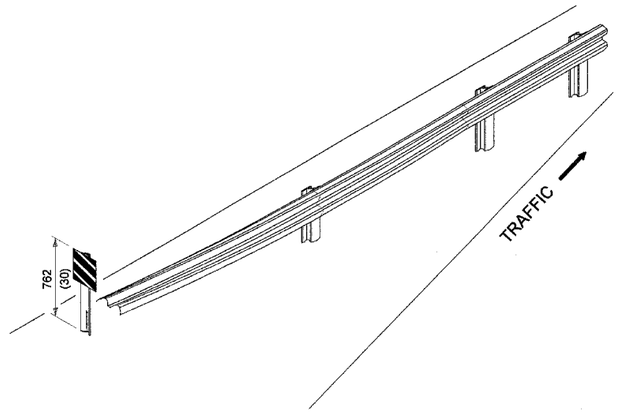


DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER

POST MOUNTED TERMINAL MARKER ASSEMBLY



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

TERMINAL MARKER TREATMENTS

GENERAL NOTES

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

GUARDRAIL AND
BARRIER WALL DELINEATION

CADD STD. NO. 635101-D4 SHEET 2 OF 3
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE $$DATE$$ CHECKED BY

$$DATE$$

DGN-ONLY

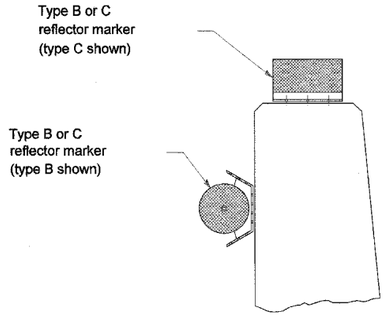
635101-D4 (2)

CONTRACT NO. 68247

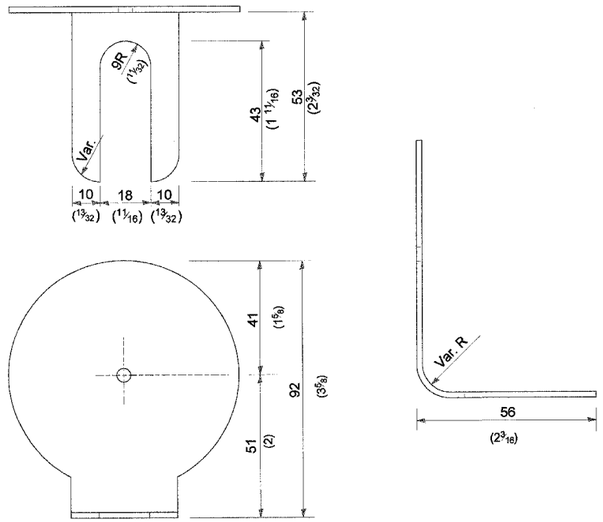
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	75
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

REFLECTOR MOUNTING

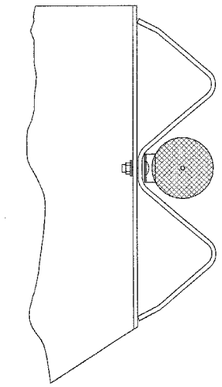
TYPICAL MOUNTING DETAIL
FOR BRIDGE RAIL REFLECTOR



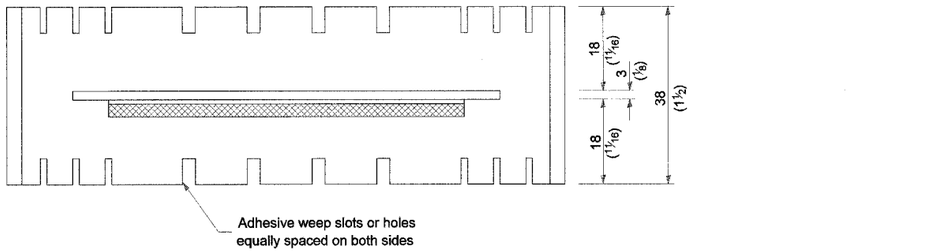
TYPICAL MOUNTING DETAIL
FOR BARRIER WALL REFLECTOR

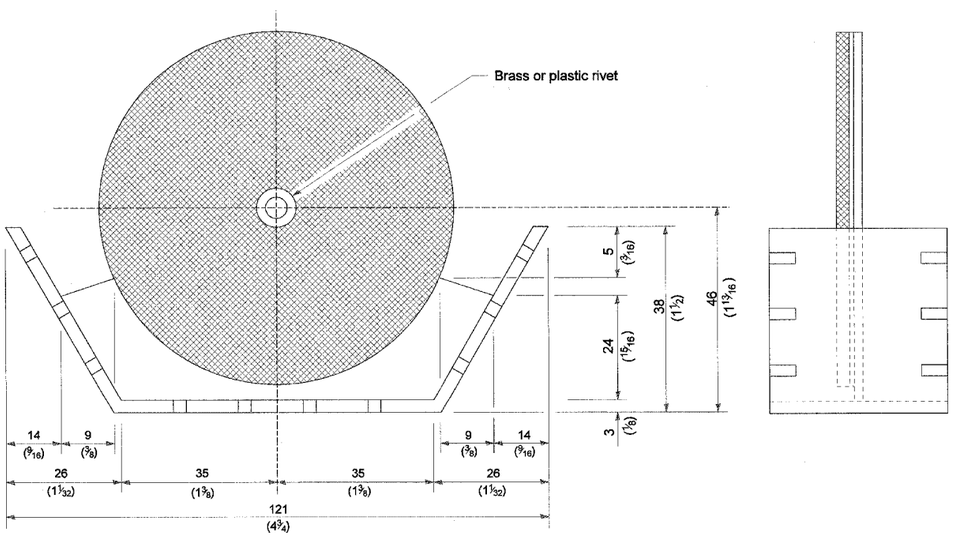


REFLECTOR MARKER TYPE A

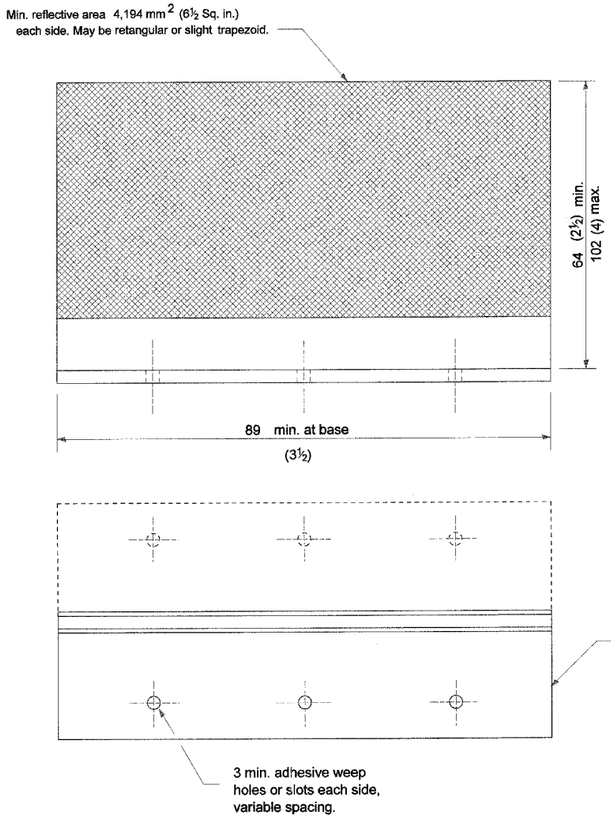


TYPICAL GUARDRAIL MOUNTING WITH
REFLECTOR MARKER TYPE A

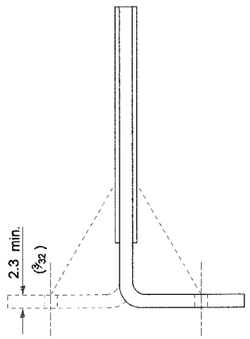




REFLECTOR MARKER TYPE B



REFLECTOR MARKER TYPE C



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

REFLECTORS

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

GUARDRAIL AND
BARRIER WALL DELINEATION

CADD STD. NO. 635101-D4 SHEET 3 OF 3

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

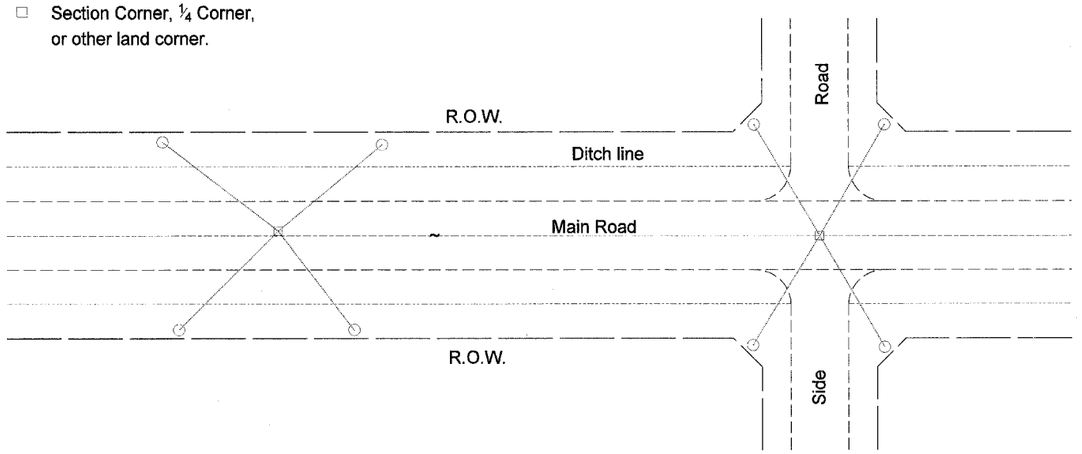
DATE $$DATE$$ CHECKED BY

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	76
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

PERMANENT SURVEY TIES

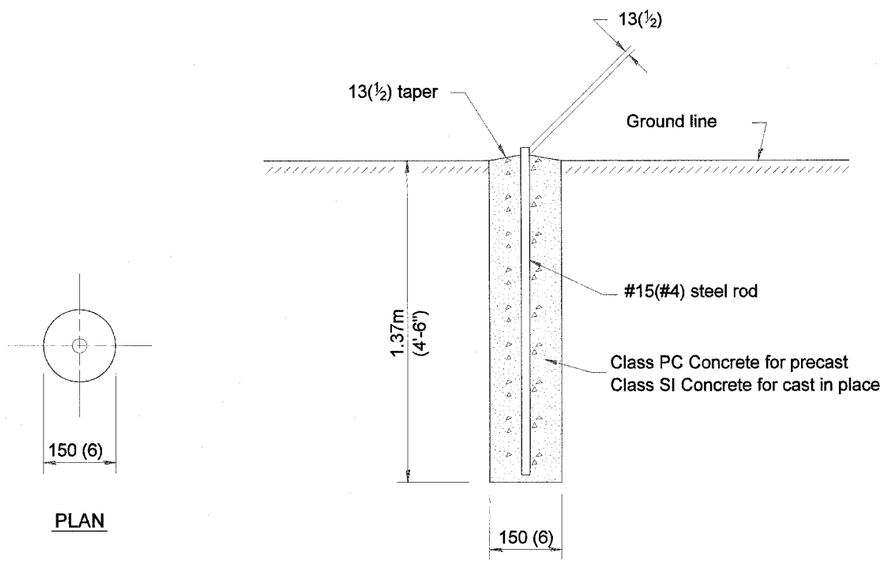
○ Permanent Survey Tie
□ Section Corner, ¼ Corner, or other land corner.



TYPICAL APPLICATION

GENERAL NOTES

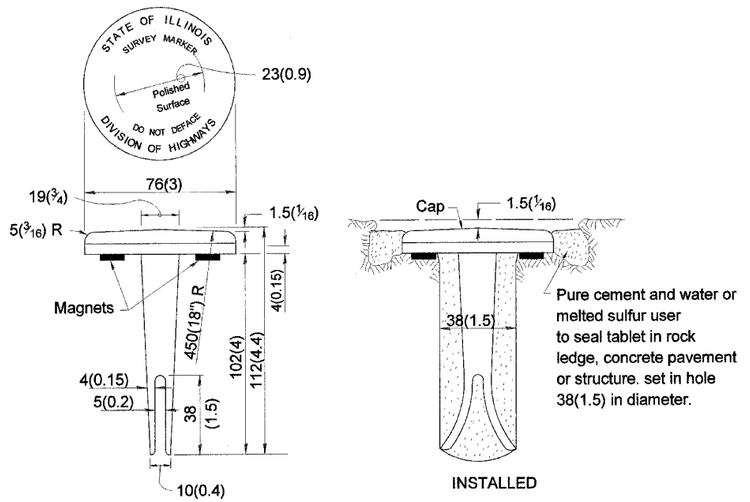
1. The marker may be either precast of Class PC Concrete, or cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT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



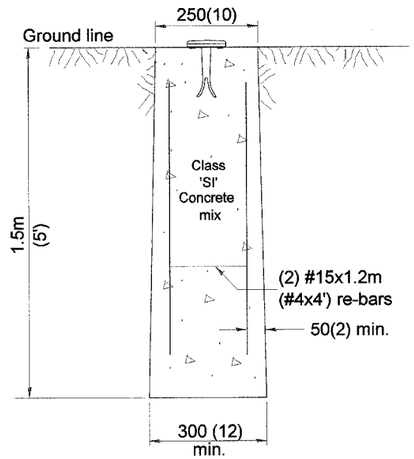
PLAN

SECTION

PERMANENT SURVEY MARKERS



BRONZE TABLET - No Scale
TYPE I



MARKER CAST IN PLACE
TYPE II

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 19 (¾) and a thickness of 6 (¼), or equivalent, shall beattached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are alway inter-visible, and not to exceed 300m(1000').
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

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

DESIGNER NOTE:
1. ADD DISTRICT SPECIAL PR' 'ISION.
2. MODIFIES STATE STD 667101 I'O CALL FOR "BRONZE" TABLET.

$$DATE$$

DATE	REVISIONS	BY
1-1-97	RENUM. D-3.01, NEW REVISION BOX	T.P.
	ADD DESIGNER NOTE, REVISED TITLE BOX	
7-7-98	ADD DESIGNER NOTE J.A.	

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

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

CADD STD. NO. 667101-D4

SCALE: NOT DRAWN TO SCALE DRAWN BY CADD

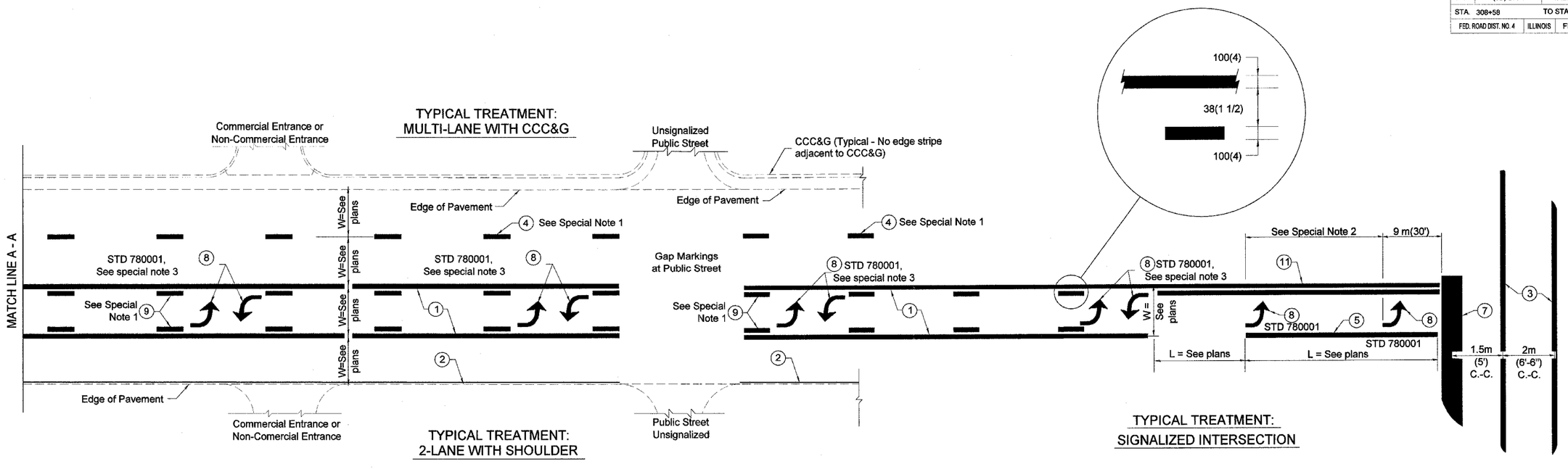
DATE $$DATE$$ CHECKED BY

667101-D4

"DGN-ONLY"

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	77
STA. 308+58	TO STA. 329+21			
FED. ROAD DIST. NO. 4	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. 100(4) Solid (Yellow)
2. 100(4) Solid (White)
3. 2-150(6) Crosswalk @ 2m (6'-6")min C.-C. (White)
   2-200(8) Crosswalk @ 2m (6'-6")min C.-C. (White) (When traffic signals are present.)
4. 150(6) Skip-Dash (White) — 3.05m (10') / 9.14m (30') / 3.05m (10') (See Special Note 1)
5. 200(8) Solid (White)
6. 300(12) Diagonal (White) (Item 6 is shown on Std. 780001)
7. 600(24) Stop Bar (White)
8. Letters & Arrows — 10m (33') (See Std. 780001 and Special Notes 2 & 3)
9. 100(4) Skip-Dash (Yellow) — 3.05m (10') / 9.14m (30') / 3.05m (10') (See Special Note 1)
10. 300(12) Diagonal (Yellow) (See Table A) — 45^
11. 100(4) Double Solid (Yellow) — 280(11) C.-C. / See Table A

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.
   B. The maximum spacing between arrows is 24 m (80').
   C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
   A. A minimum of two (2) arrow pairs is required.
   B. The maximum spacing between arrow pairs is 61 m (200').
   C. Arrow pairs shall be evenly spaced if three (3) or more are required.
   D. The spacing between Bi Directional Left Turn Arrows is 10 m (33').

GENERAL NOTES

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

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

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

$$DATE$$

DATE	REVISIONS	BY
1-1-97	RENUM. F-8.03, NEW REVISION BOX	T.P.
2-7-97	ADD BI DIRECTIONAL DIMENSION	J.A.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.
8-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

TYPICAL PAVEMENT MARKINGS

CADD STANDARD 780001-D4 — SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE — DRAWN BY CADD — CHECKED BY

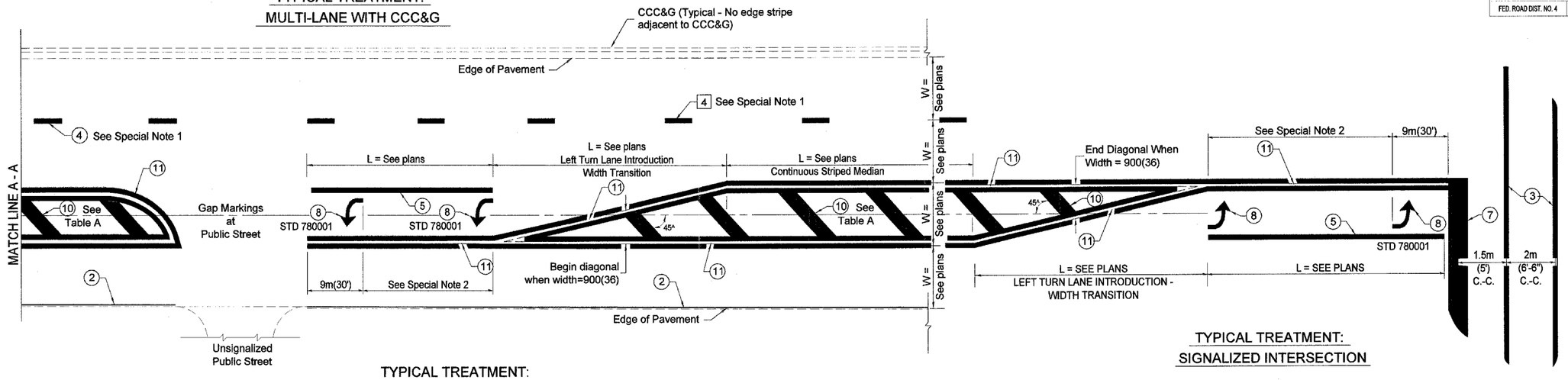
DGN-ONLY

780001-D4 (1)

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	78
STA. 308+58		TO STA. 329+21		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

TYPICAL TREATMENT: MULTI-LANE WITH CCC&G

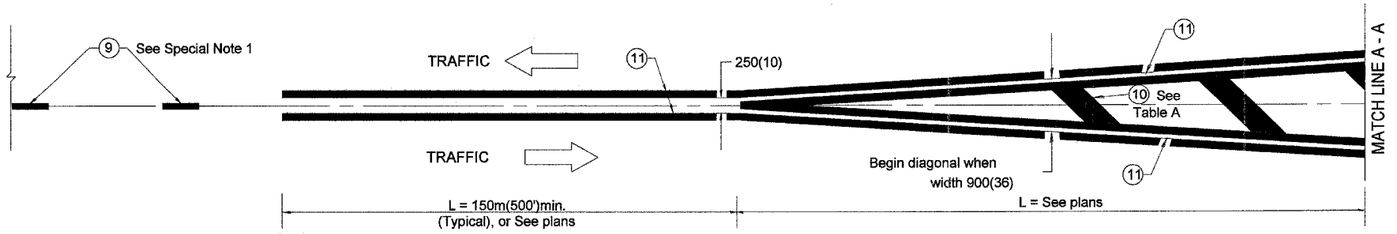


TYPICAL TREATMENT: 2-LANE WITH SHOULDER

TYPICAL MEDIAN TRANSITIONS

TYPICAL TREATMENT: SIGNALIZED INTERSECTION

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARD

TYPICAL PAVEMENT MARKINGS

CADD STANDARD 780001-D4

SHEET 2 OF 2

SCALE: NOT DRAWN TO SCALE

DRAWN BY CADD

CHECKED BY

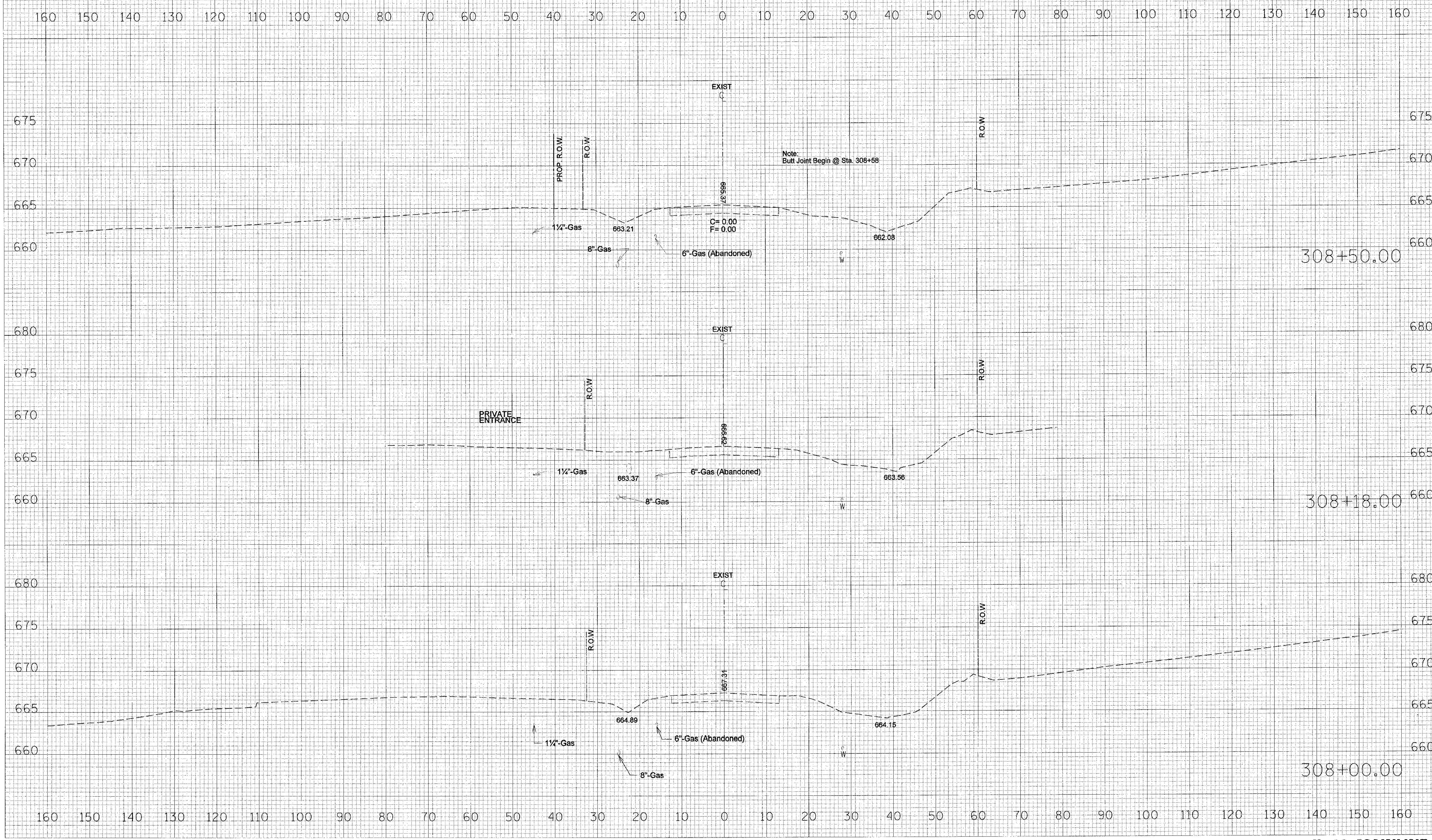
$$DATE$$

DGN-ONLY

780001-D4 (2)

CONTRACT NO. 68247

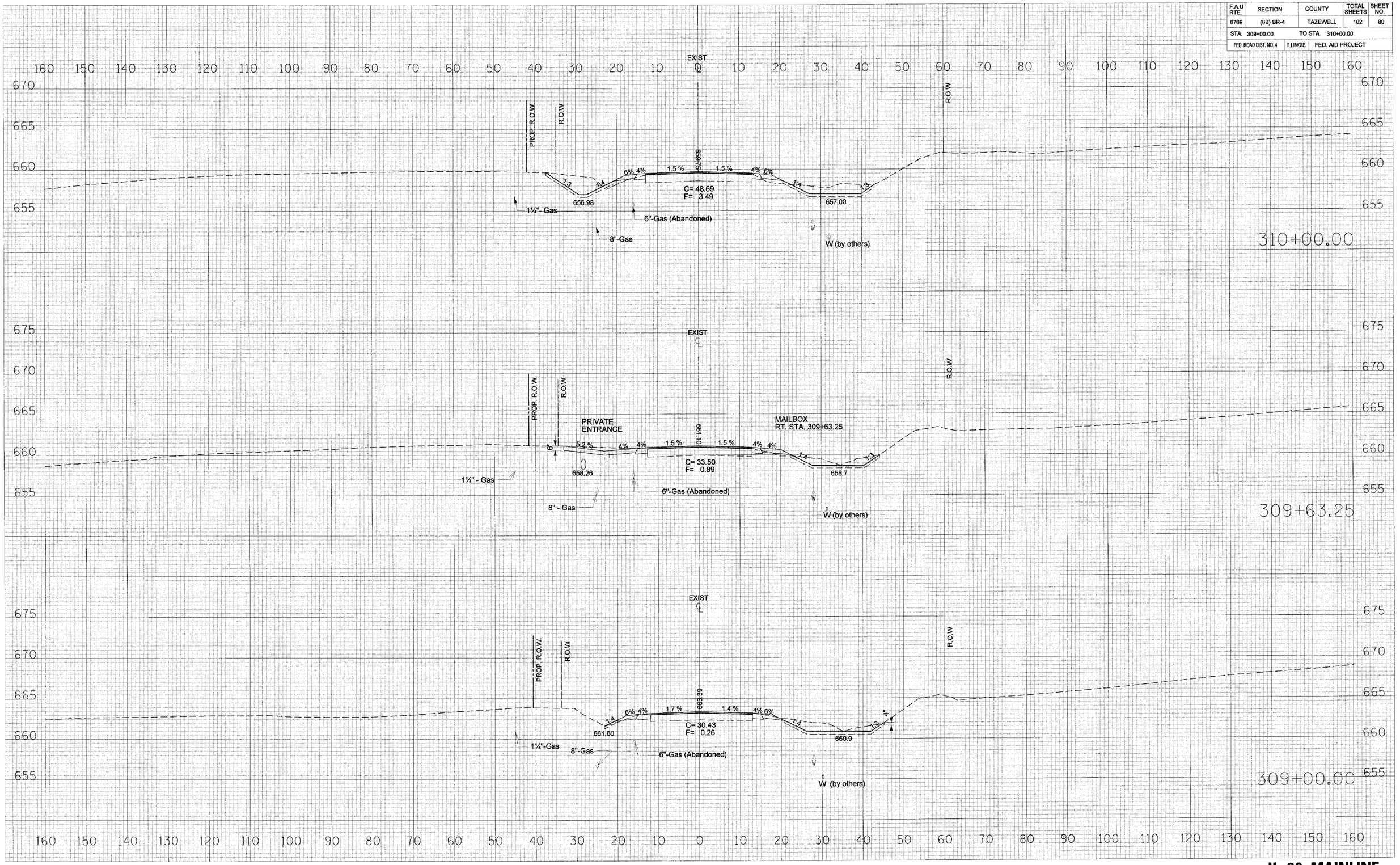
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	79
STA. 308+00.00		TO STA. 308+50.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	80
STA. 309+00.00		TO STA. 310+00.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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PLOTTED		DATE
TRIANGULATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.
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PLOTTED		DATE
TRIANGULATE		
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AREAS CHECKED		

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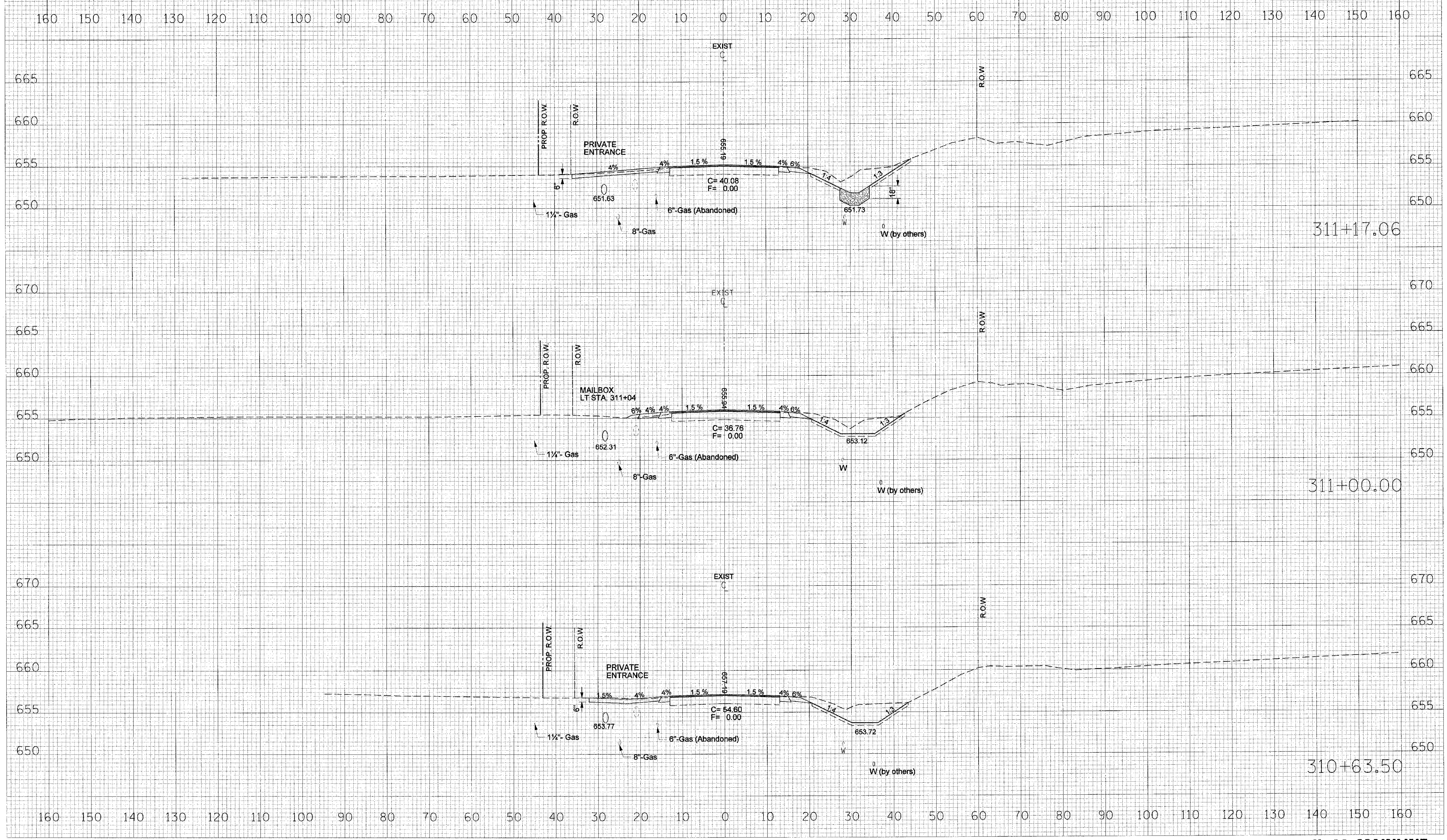
IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	81

STA. 310+63.50 TO STA. 311+17.06

FED. ROAD DIST. NO. 4 | ILLINOIS | FED. AID PROJECT



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IL 98 MAINLINE

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6769	(8B) BR-4	TAZEWELL	102	82
STA. 311+50.00		TO STA. 312+13.05		
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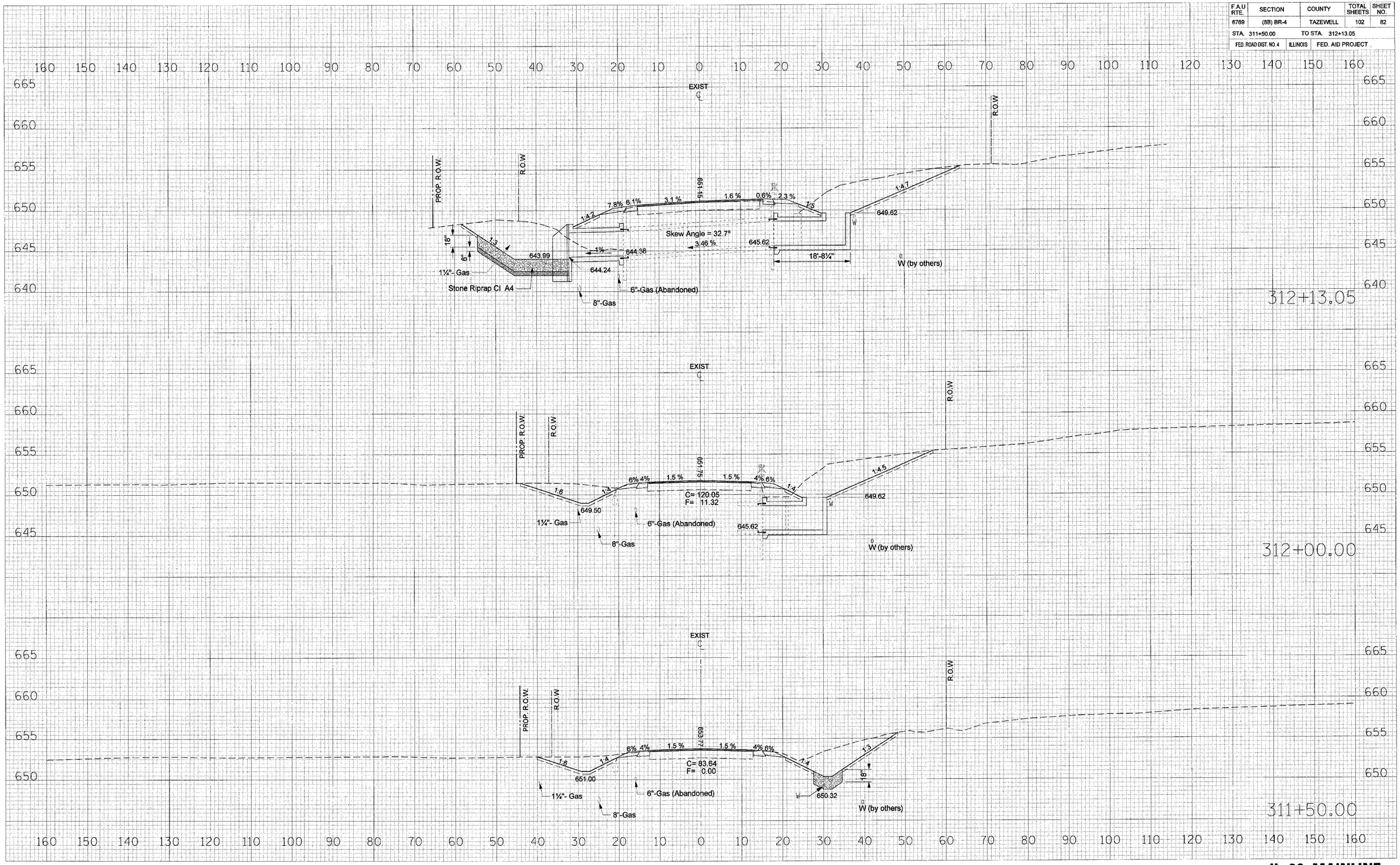

IL 98 MAINLINE

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6769	(8B) BR-4	TAZEWELL	102	83
STA. 312+54.54		TO STA. 314+00.00		
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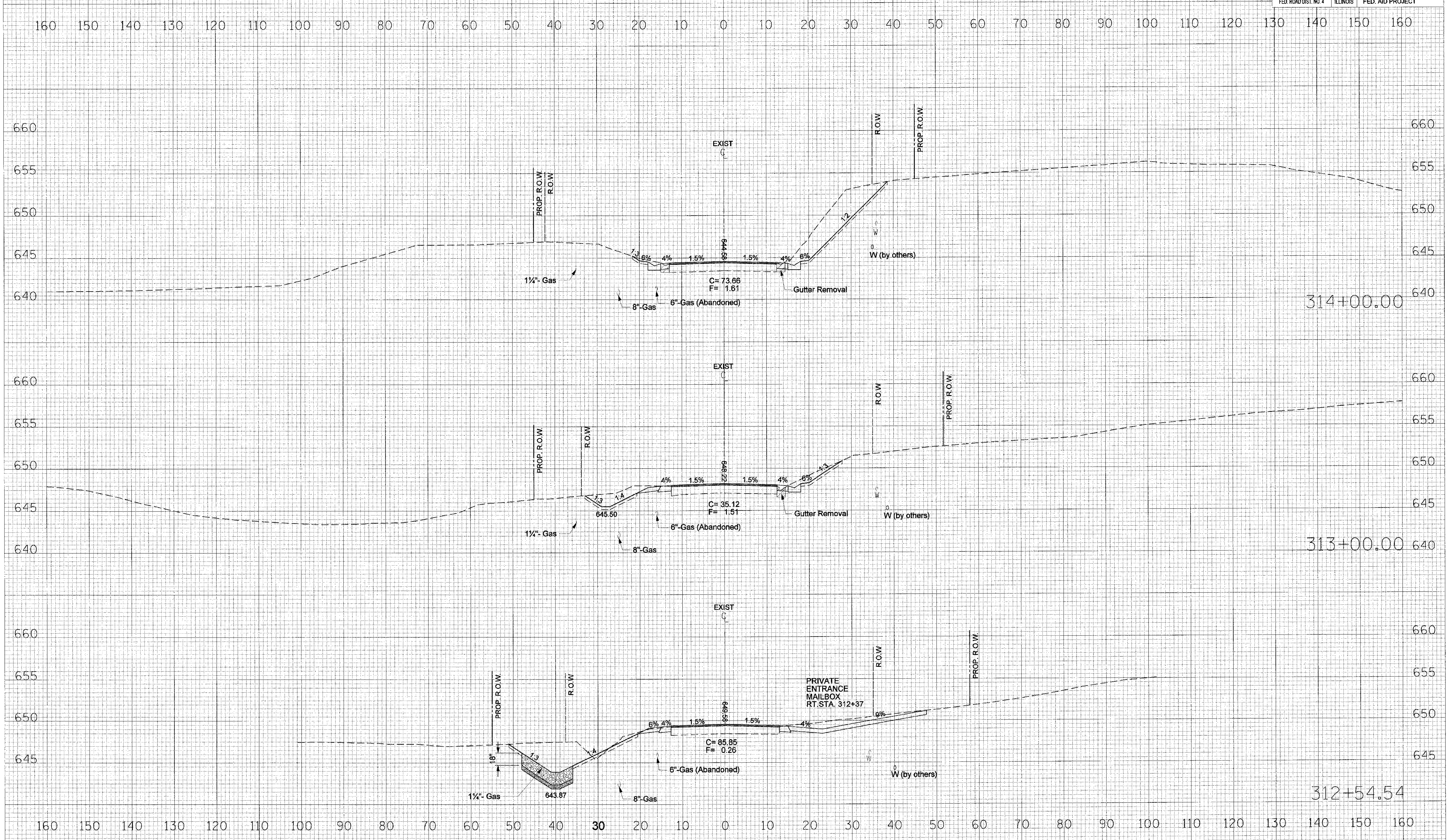

IL 98 MAINLINE

CONTRACT NO. 68247

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6769	(8B) BR-4	TAZEWELL	102	84
STA. 314+49.43		TO STA. 315+19.20		
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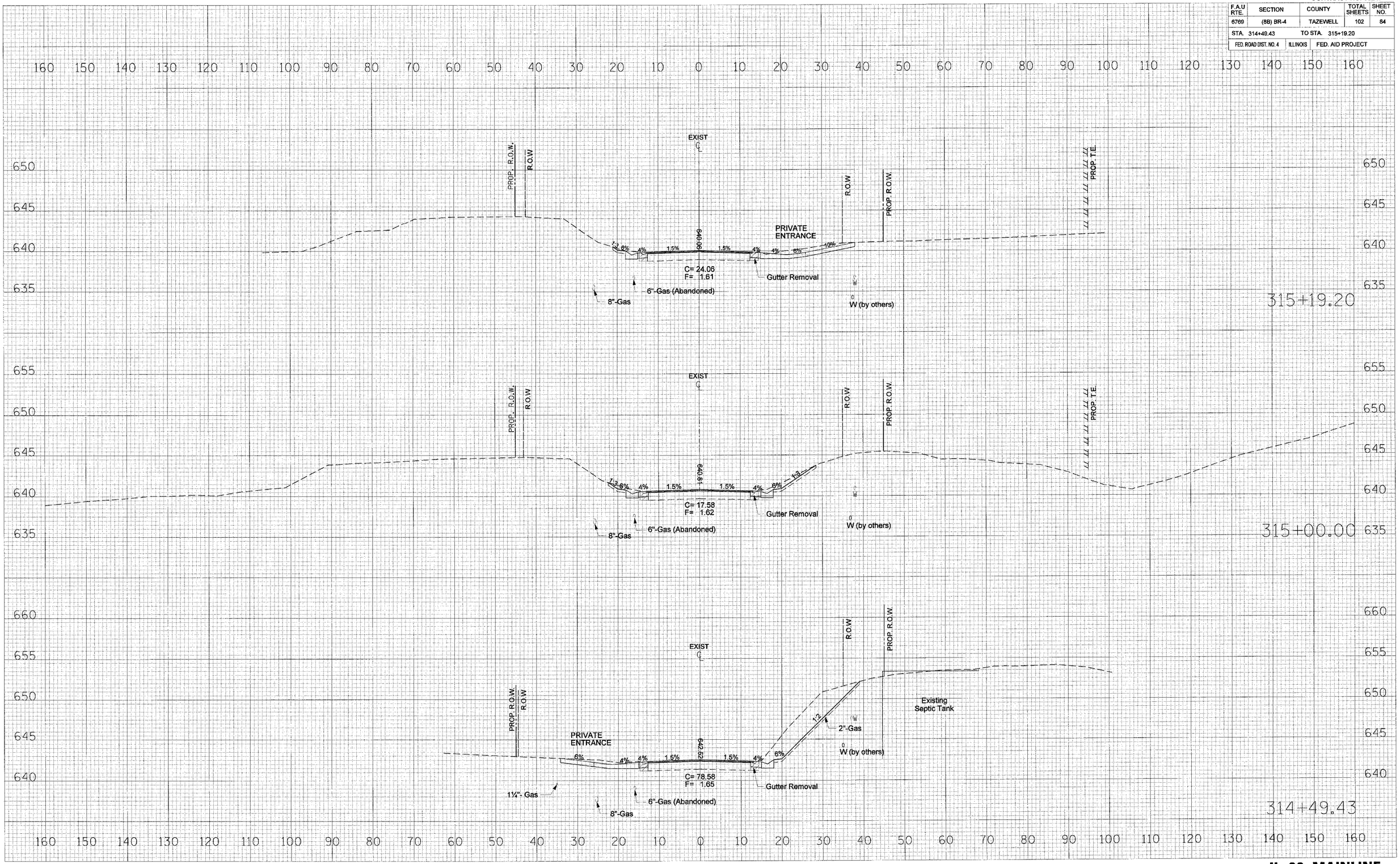

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AREAS		

BY	DATE

CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	85
STA. 315+25.00		TO STA. 315+75.00		
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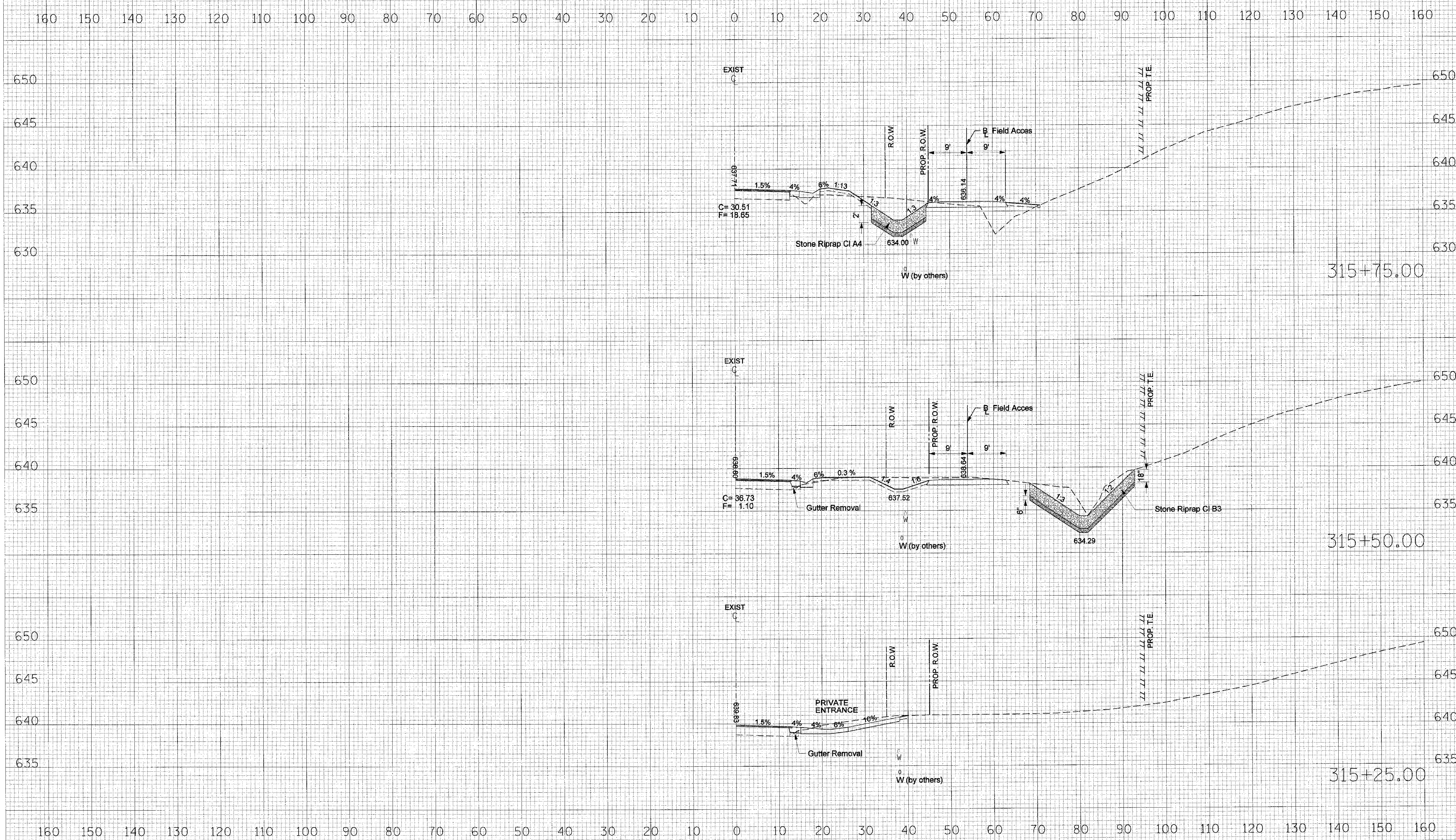

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STA. 316+00.00		TO STA. 316+25.00		
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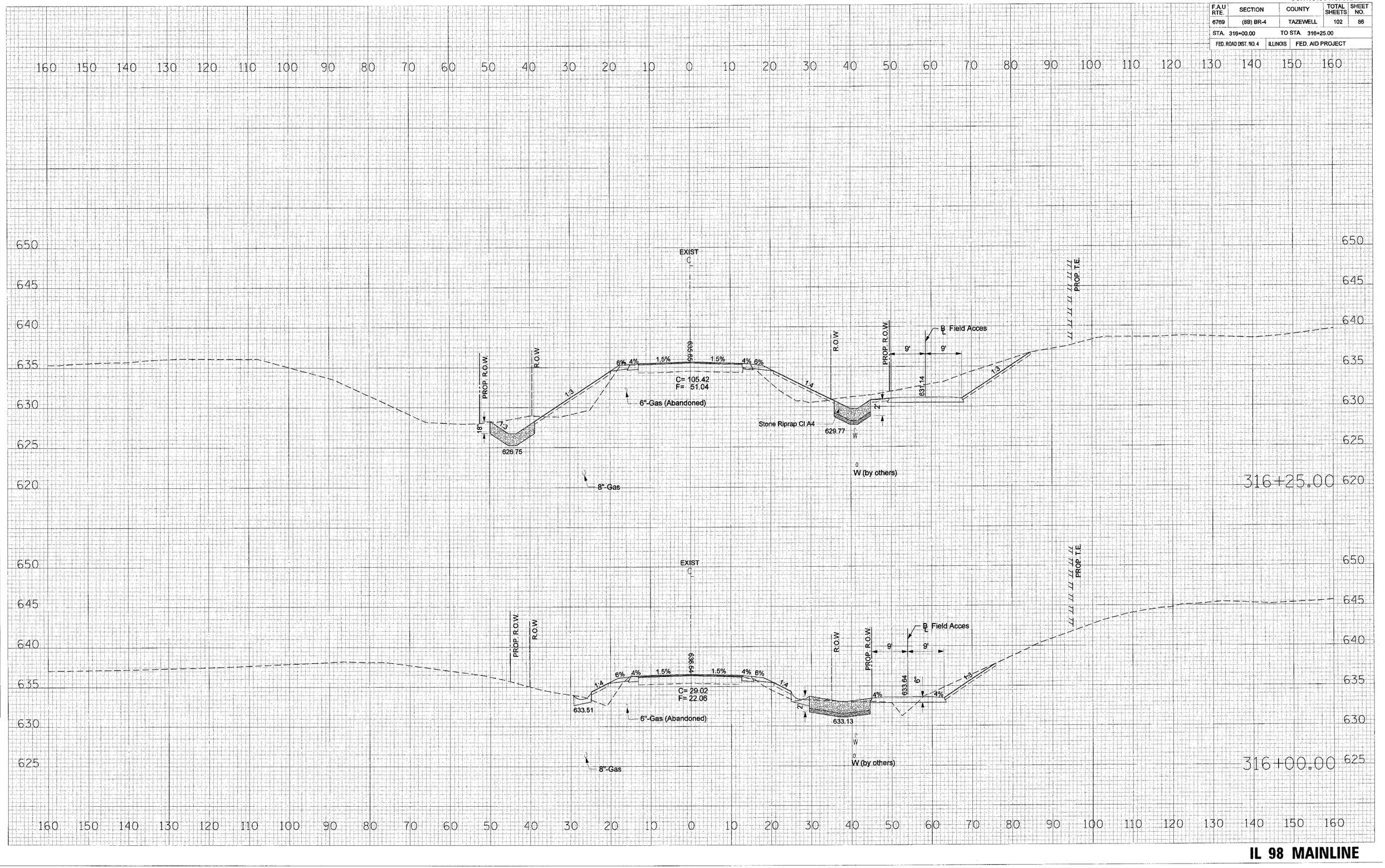

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6769	(88) BR-4	TAZEWELL	102	87
STA. 316+50.00		TO STA. 316+75.00		
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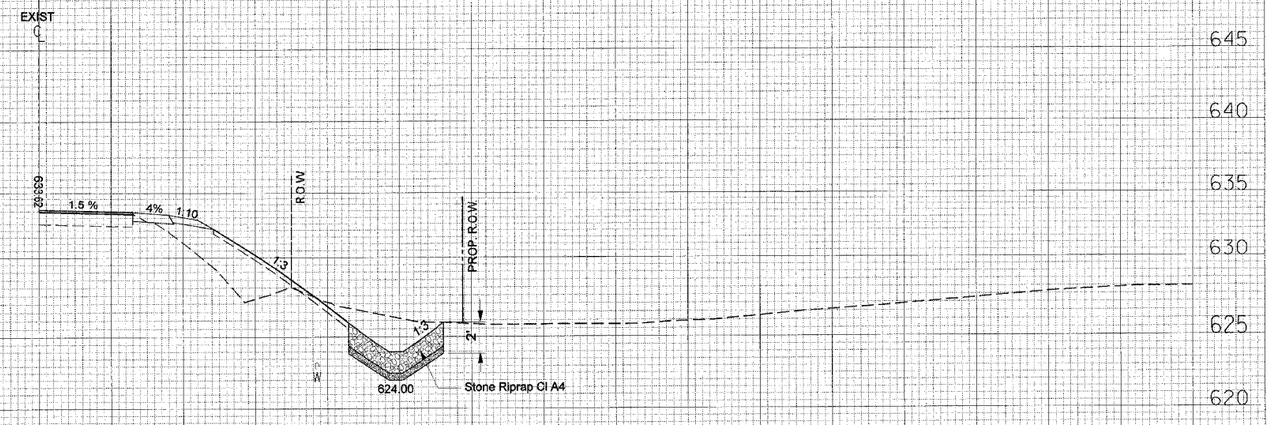

316+75.00

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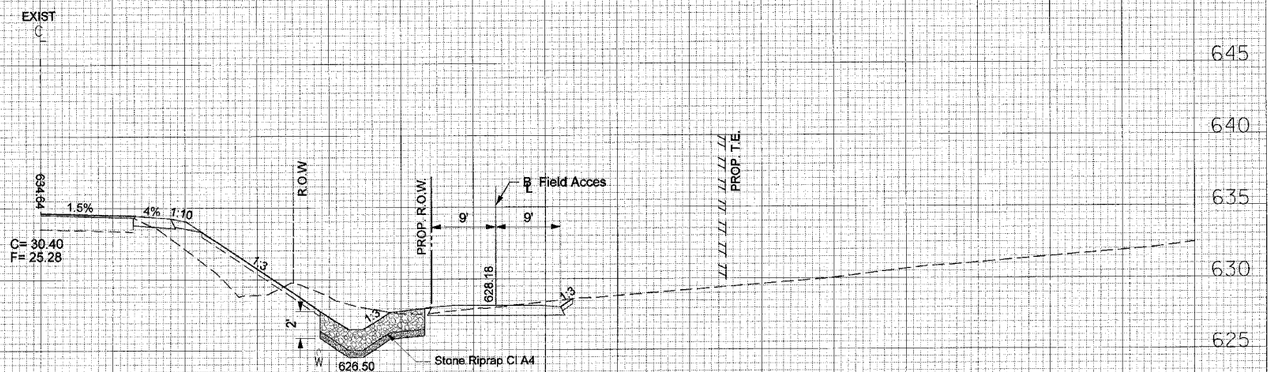

316+50.00

W (by others)

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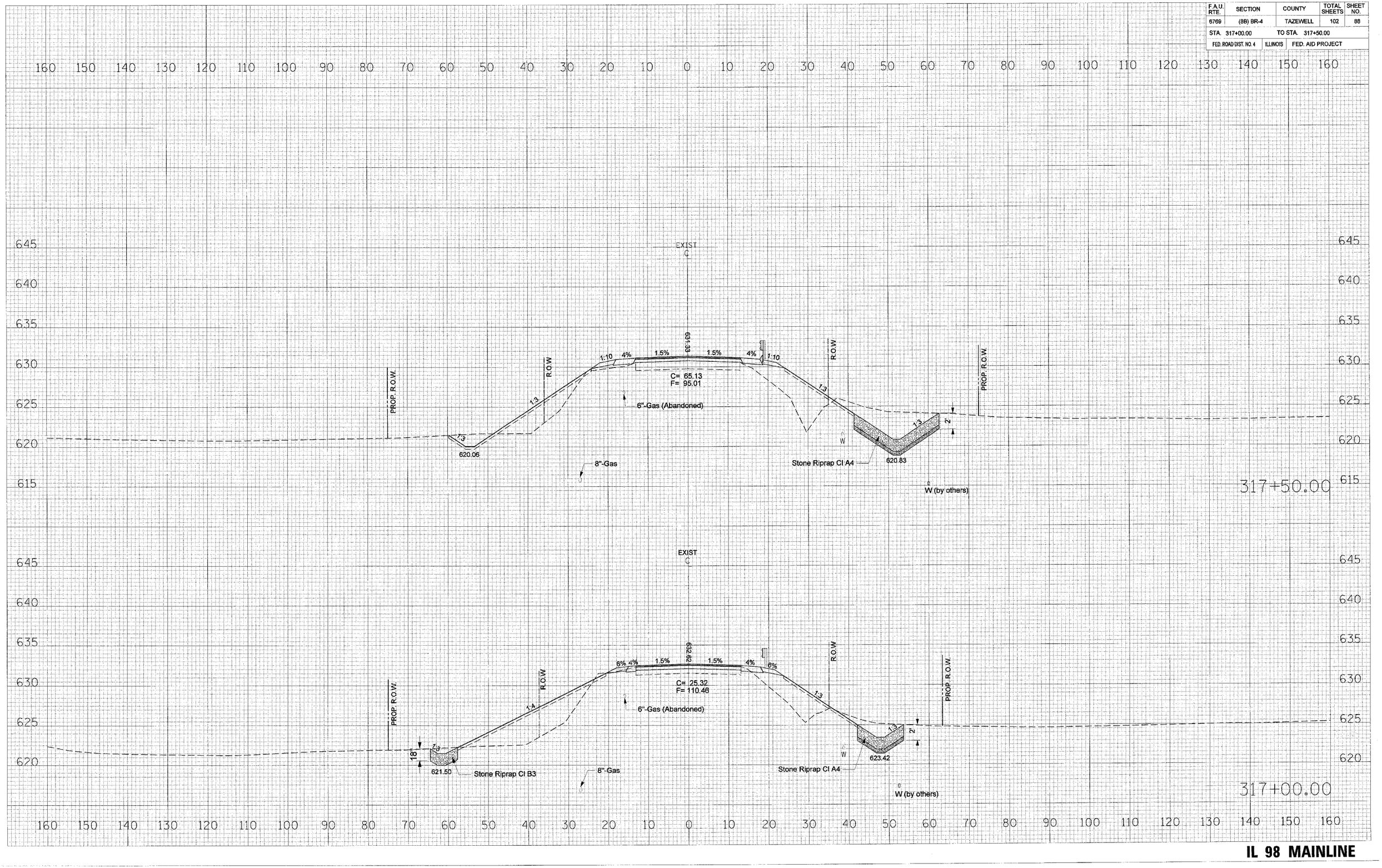
CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	88
STA. 317+00.00		TO STA. 317+50.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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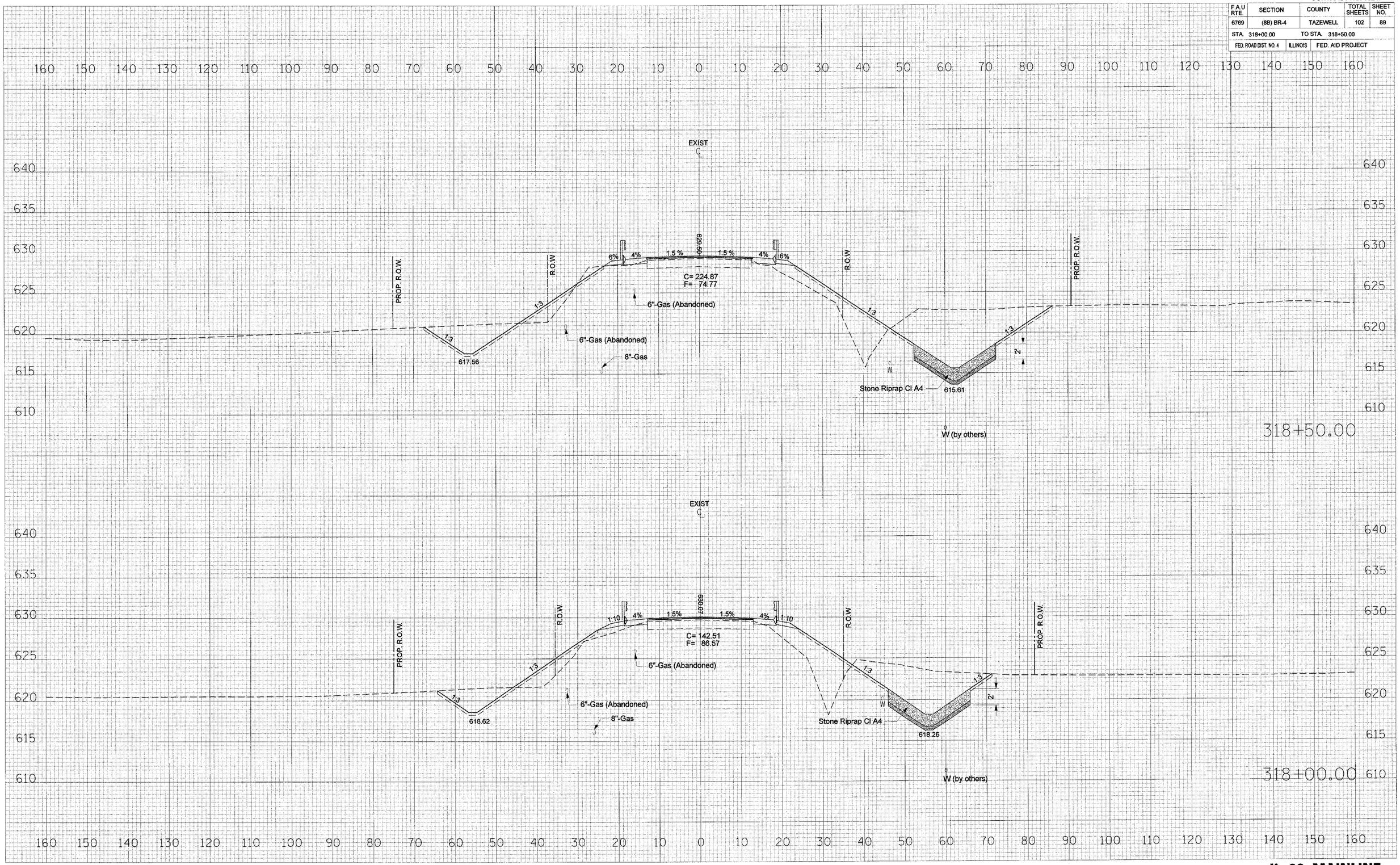
CONTRACT NO. 68247

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	89
STA. 318+00.00		TO STA. 318+50.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	90
STA. 319+00.00		TO STA. 319+27.00		
FED. ROAD DIST. NO.4	ILLINOIS	FED. AID PROJECT		

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	AREAS CHECKED		DATE

EXIST
℄

629.59

4% 1.5% 1.5% 4%

6"-Gas (Abandoned)

R.O.W

1:2

6"-Gas (Abandoned)

1:14.6

30"

8"

PROP. R.O.W.

Grouted Stone Riprap Cl A5

8"-Gas

R.O.W

1:2

Grouted Stone Riprap Cl A5

1:3

30"

W

611.48

W (by others)

PROP. R.O.W.

319+27.00

EXIST
℄

629.43

1:10 4% 1.5% 1.5% 4% 1:10

C= 97.18
F= 35.35

6"-Gas (Abandoned)

R.O.W

1:3

6"-Gas (Abandoned)

1:3

616.50

PROP. R.O.W.

8"-Gas

R.O.W

1:2

1:3

2'

612.99

W

Stone Riprap Cl A4

W (by others)

PROP. R.O.W.

319+00.00

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IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	91
STA. 319+70.78		TO STA. 319+70.78		
FED. ROAD DIST. NO.4	ILLINOIS	FED. AID PROJECT		

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EXIST ℄

630.23

4% 1.5% 1.5% 4%

6"-Gas (Abandoned)

PROP. R.O.W.

R.O.W

608.0

Elev. = 603.4

10'

Elev. = 603.8

0.05 %

Elev. = 603.8

0.45 %

608.6

30"

Grouted Stone Riprap Cl A5

W

W (by others)

6"-Gas (Abandoned)

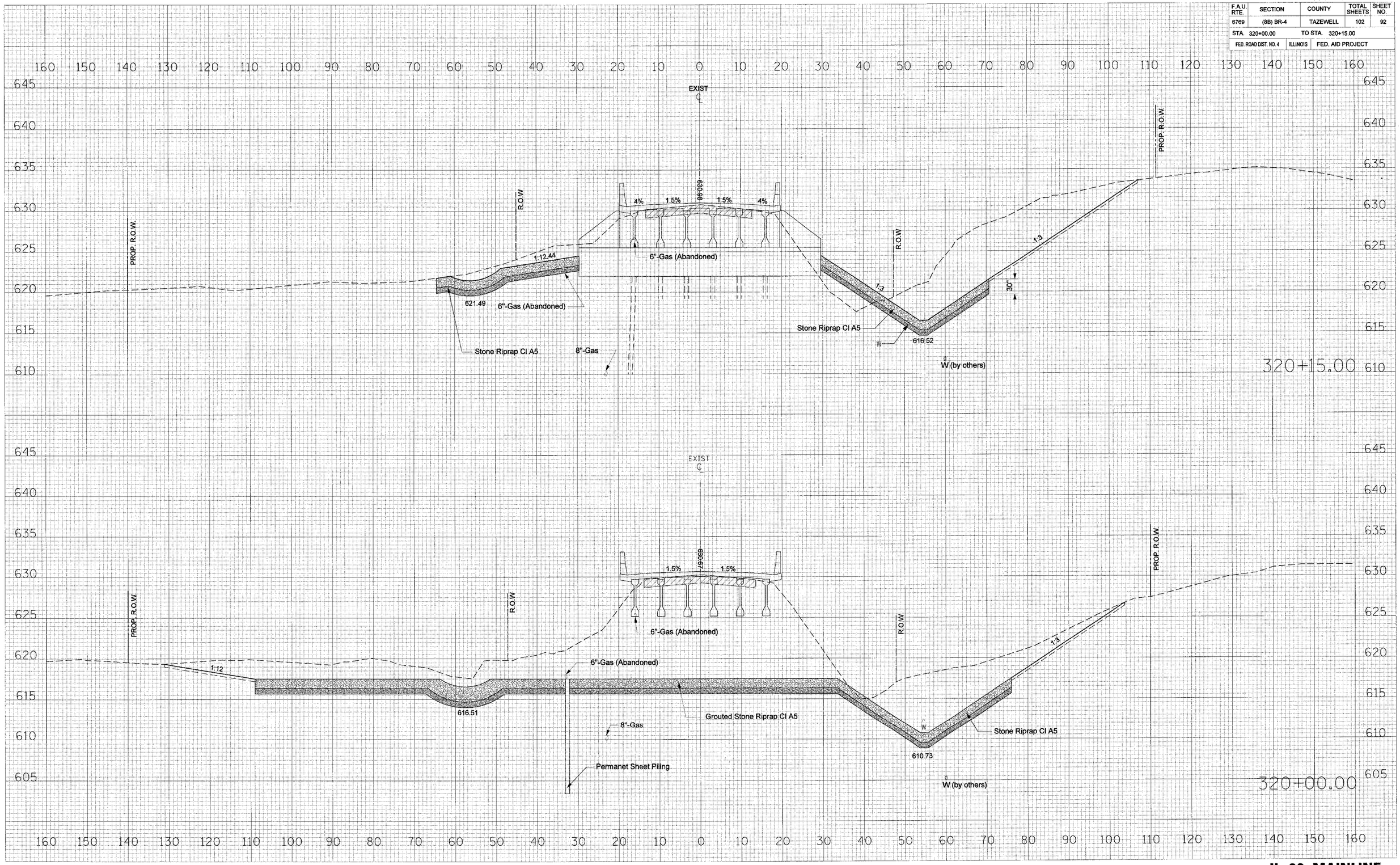
8"-Gas

319+70.78

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	92
STA. 320+00.00		TO STA. 320+15.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



BY	DATE

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SURVEYED
PLOTTED
TRUCK RATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO.

SURVEYED
PLOTTED
TRUCK RATE
AREAS
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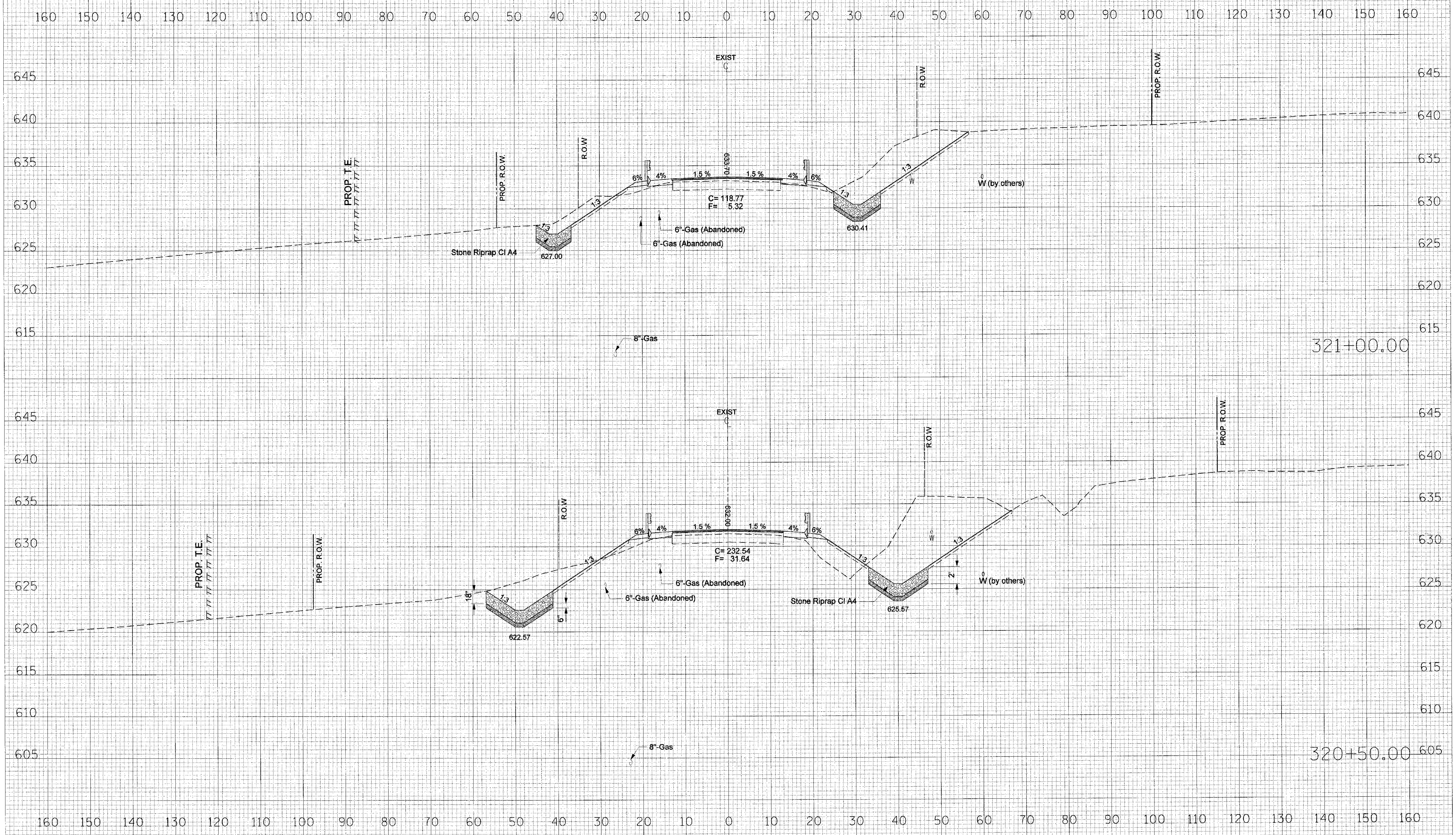
IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	93
STA. 320+50.00		TO STA. 321+00.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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

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

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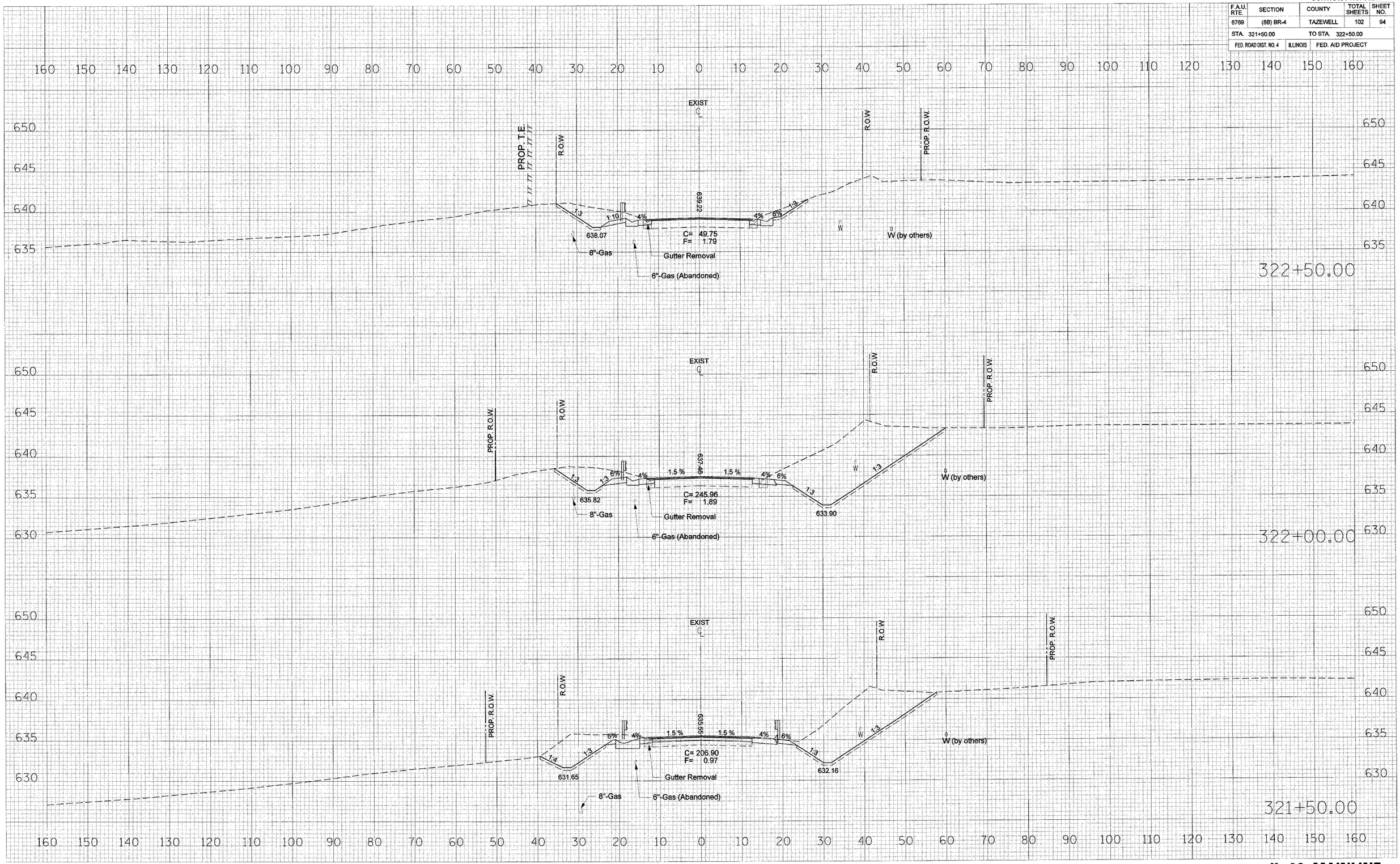
IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	94
STA. 321+50.00		TO STA. 322+50.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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FILE NAME = c:\projects\98\plans files\changes\sheet01.dgn
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USER NAME = cnespola

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(88) BR-4	TAZEWELL	102	95
STA. 323+00.00		TO STA. 323+94.67		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

655 650 645 640

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

PRIVATE ENTRANCE

641.41

6 % 4% 4% 1.5 % 1.5 % 4% 6%

C= 18.32
F= 0.00

8"-Gas

6"-Gas (Abandoned)

W

W (by others)

323+94.67

655 650 645 640

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

641.88

1:6 1:10 4% 1.5 % 1.5 % 4% 6%

641.40

C= 19.26
F= 1.70

8"-Gas

Gutter Removal

6"-Gas (Abandoned)

W

W (by others)

323+50.00

655 650 645 640 635

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

640.91

1:3 1:4 4% 1.5 % 1.5 % 4% 6% 1:3

639.50

C= 34.19
F= 1.71

8"-Gas

Gutter Removal

6"-Gas (Abandoned)

W

W (by others)

323+00.00

655 650 645 640 635

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

IL 98 MAINLINE

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

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

PLOT DATE = 5/21/2009
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PLOT SCALE = 10.0000 ' / IN.
USER NAME = creppole

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	96
STA. 324+00.00		TO STA. 325+00.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

655 650 645 640

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

642.51

1:17.27 4% 1.5 % 643.21 1.5 % 4% 2.4 %

C= 7.83
F= 4.43

8"-Gas

6"-Gas (Abandoned)

W

W (by others)

325+00.00

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

642.97

1:30 4% 1.5 % 1.5 % 4% 1.7 %

C= 12.20
F= 2.10

8"-Gas

6"-Gas (Abandoned)

W

W (by others)

324+50.00

EXIST ℄

PROP. T.E.

R.O.W

R.O.W

PRIVATE ENTRANCE

642.48

6 % 4% 4% 1.5 % 1.5 % 4% 2%

C= 17.09
F= 0.00

8"-Gas

6"-Gas (Abandoned)

W

W (by others)

324+00.00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

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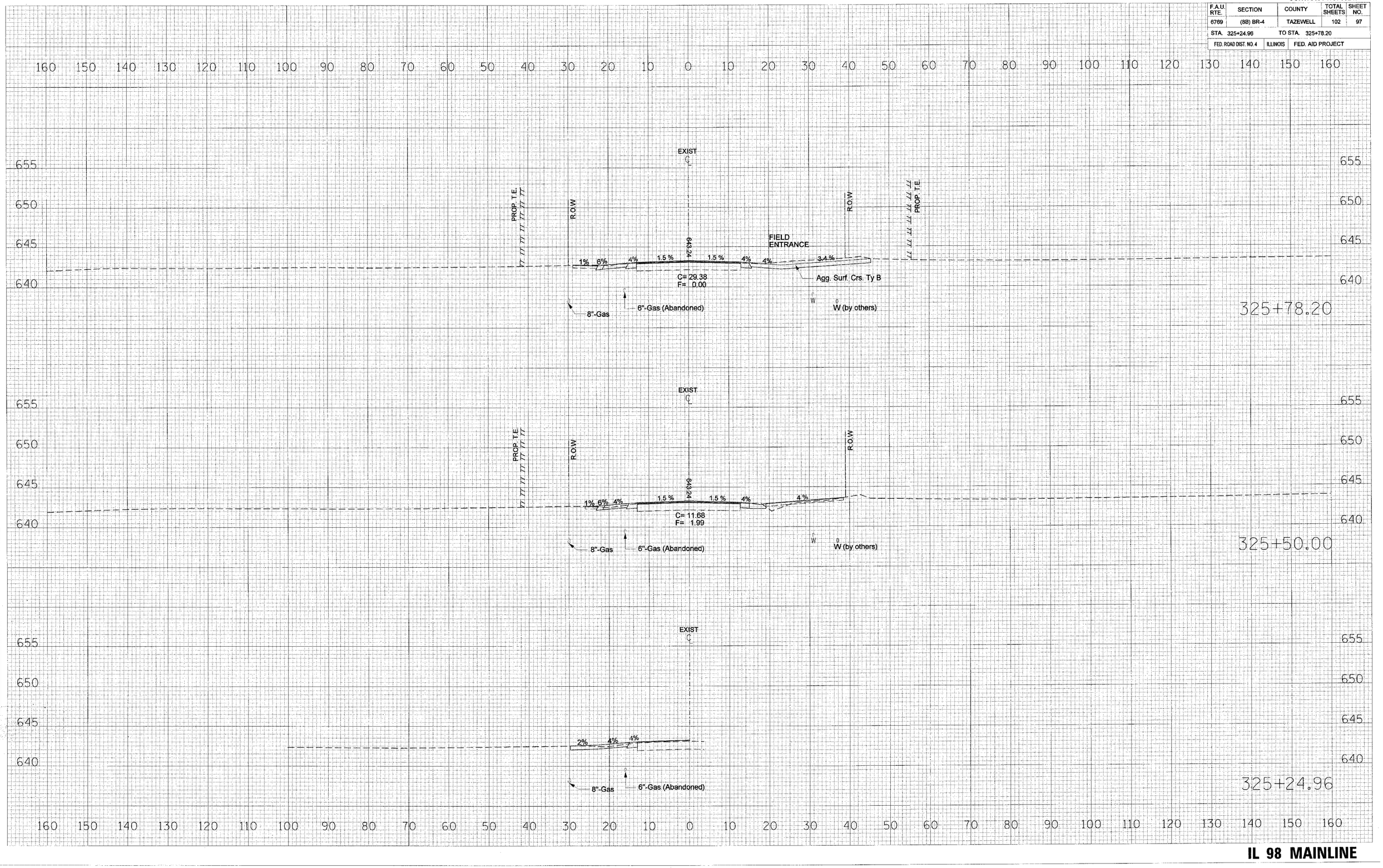
AREAS
AREAS CHECKED
BY
DATE

PLOT DATE = 8/21/2008
FILE NAME = c:\projects\8brchase ii\changes\sht\ret02.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = creppole

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	97
STA. 325+24.96		TO STA. 325+78.20		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, NO., DATE, BY

PLOT DATE = 8/23/2006
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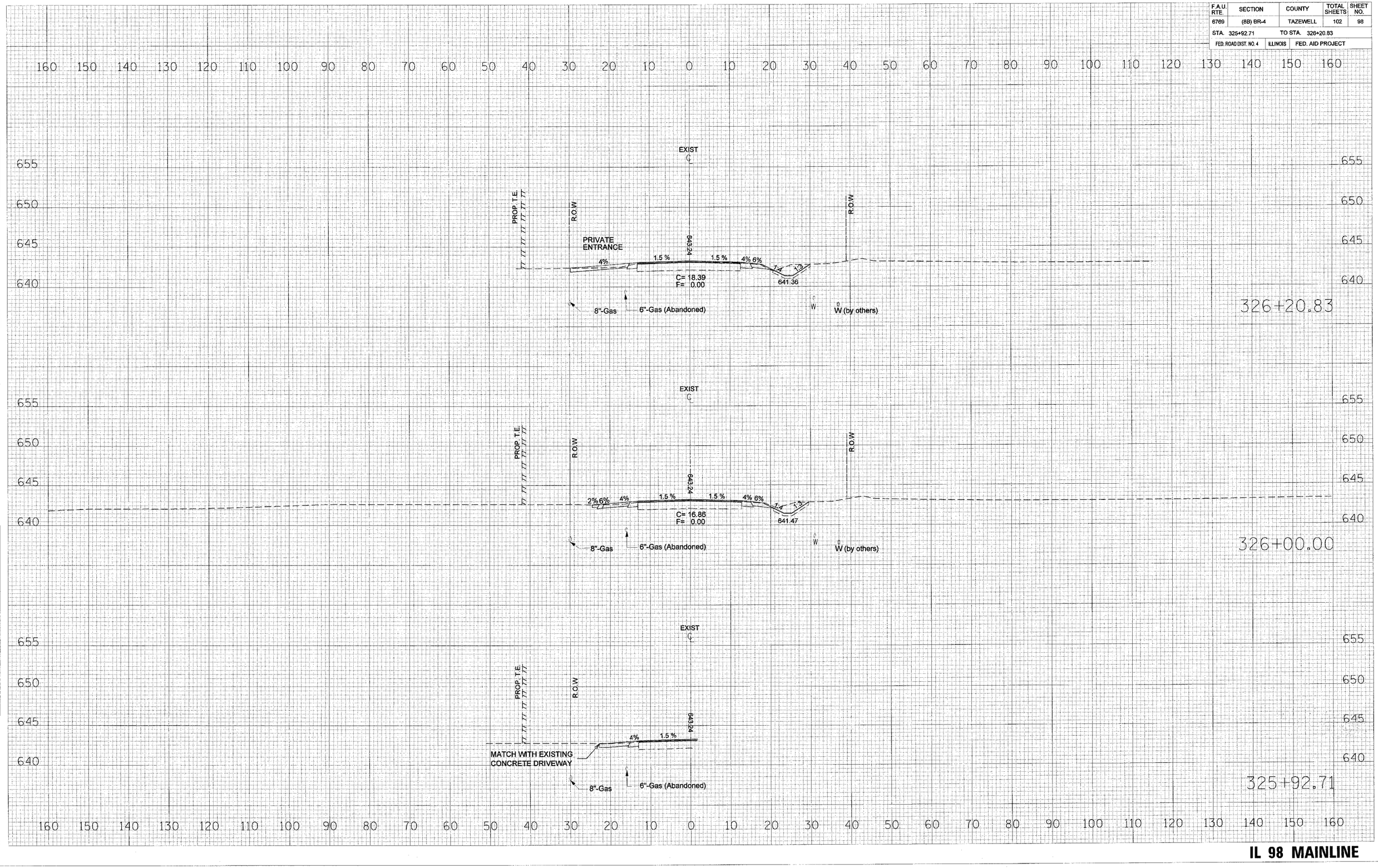
USER NAME = cespole

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	98
STA. 325+92.71		TO STA. 326+20.83		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



IL 98 MAINLINE

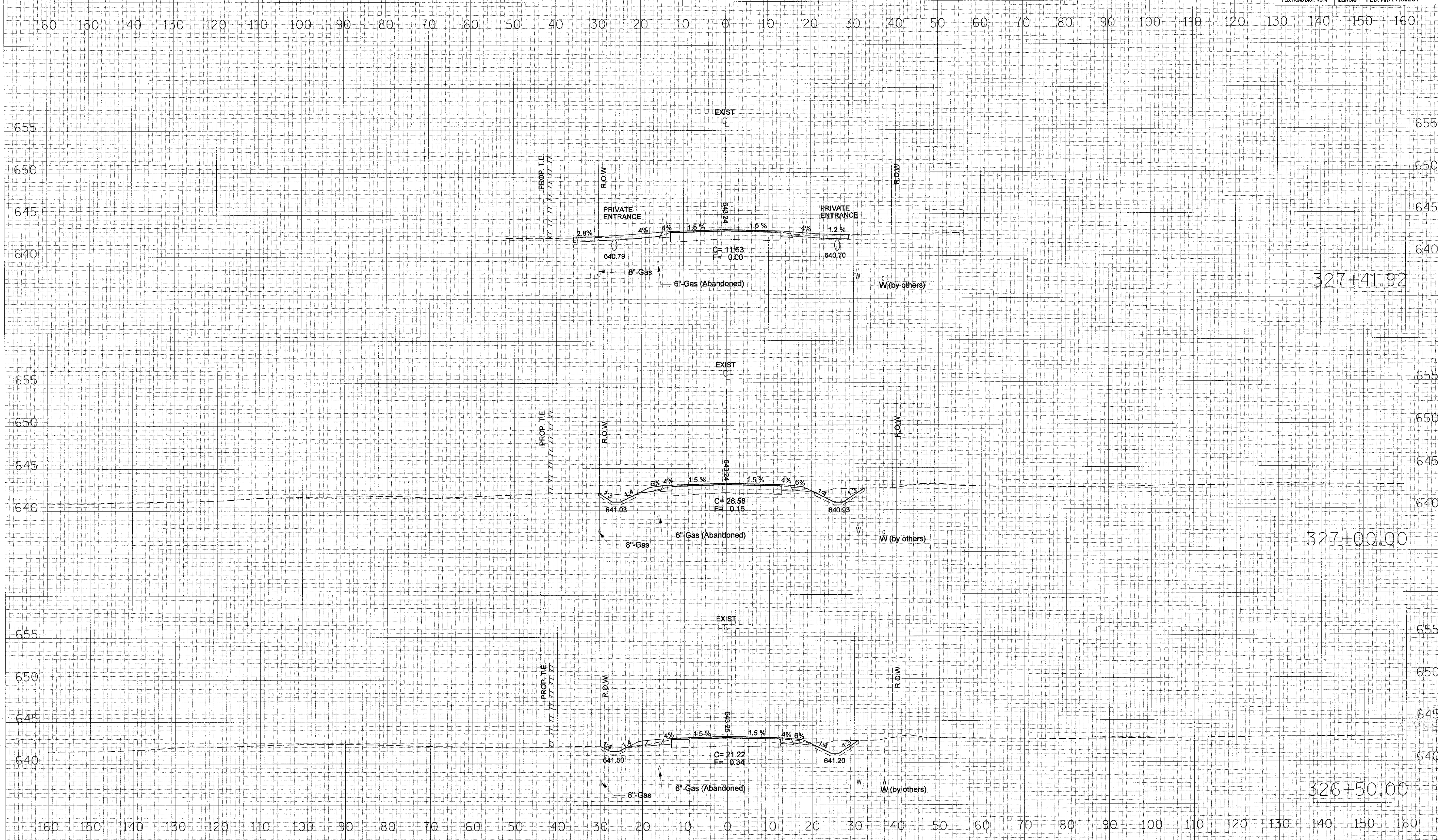
FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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

PLOT DATE = 8/23/2006
FILE NAME = c:\projects\98\gnuse lt\changes\sheet2.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = creppole

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	99
STA. 326+50.00		TO STA. 327+41.92		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = 8/21/2006
FILE NAME = c:\projects\8b\phase ii\changes\xsheet2.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = cresps

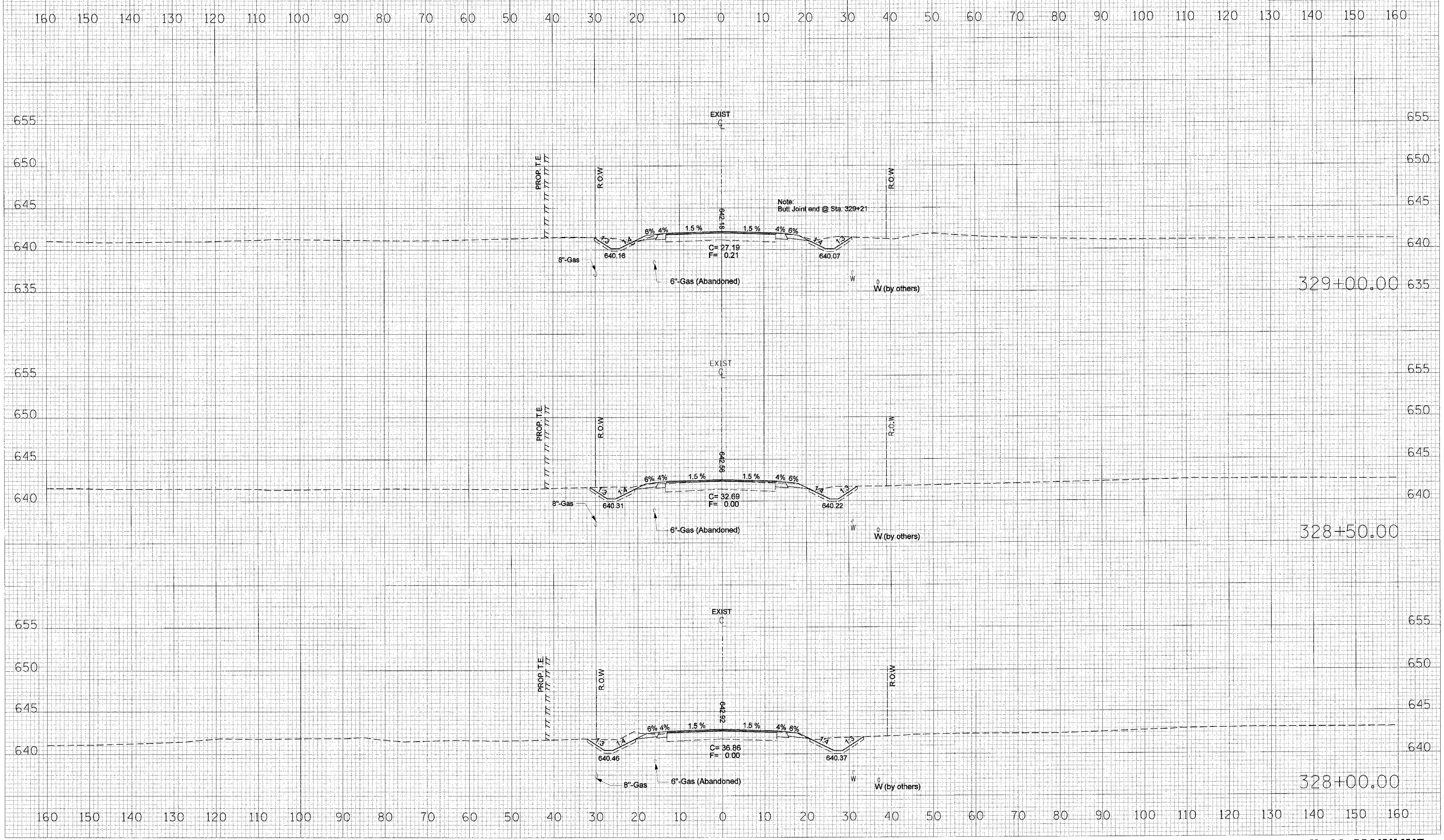
IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	100

STA. 328+00.00 TO STA. 329+00.00

FED. ROAD DIST. NO. 4 | ILLINOIS | FED. AID PROJECT



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

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

PLOT DATE = 8/21/2006
FILE NAME = c:\projects\il98\phase ii\changes\xsheet2.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = crespole

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	101
STA. 329+44.96		TO STA. 330+38.46		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

655 650 645 640 635

EXIST ℄

R.O.W

R.O.W

C= 1.15
F= 0.00

639.75

8"-Gas

6"-Gas (Abandoned)

W

330+38.46

EXIST ℄

R.O.W

R.O.W

C= 5.78
F= 0.00

639.77

8"-Gas

6"-Gas (Abandoned)

W

330+00.00

EXIST ℄

R.O.W

R.O.W

OREGON
LANE

639.94

C= 9.17
F= 0.00

639.94

8"-Gas

6"-Gas (Abandoned)

W

W (by others)

329+44.96

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

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

PLOT DATE = 8/21/2008
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PLOT SCALE = 10.0000 ' / IN.
USER NAME = crespola

IL 98 MAINLINE

CONTRACT NO. 68247

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6769	(8B) BR-4	TAZEWELL	102	102
STA. 330+50.00		TO STA. 331+00.00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 6/21/2006
FILE NAME = c:\projects\dgn\sheet lfchanges\sheet2.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = crespole

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

655
650
645
640
635

EXIST
℄

R.O.W

R.O.W

638.91

331+00.00

639.74

C= 0.00
F= 0.00

8"-Gas

6"-Gas (Abandoned)

330+50.00

W

IL 98 MAINLINE