

CONTRACT NO. 89392			
F.A.I.D. SECTION COUNTY TOTAL SHEETS SHEET NO.	74	1	
6713 05-00148-00-PV TAZEWELL	74	1	
STA. TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES, COMMITMENTS & STATUS OF UTILITIES
- 3-4 SUMMARY OF QUANTITIES
- 5-7 TYPICAL SECTIONS
- 8-10 SCHEDULE OF QUANTITIES
- 11 ALIGNMENT TIES AND BENCHMARKS
- 12 ALIGNMENT DIAGRAM
- 13-14 REMOVAL PLANS
- 15-17 PLAN AND PROFILES
- 18-20 MAINTENANCE OF TRAFFIC
- 30-32 DRAINAGE AND EROSION CONTROL PLAN AND PROFILES
- 33 INTERSECTION DETAIL CAMP ST. AND ALTORFER LN.
- 34-36 PAVEMENT MARKING PLANS
- 37 PAVEMENT JOINT PLANS
- 38-41 TRAFFIC SIGNAL PLANS
- 42-43 SPECIAL WASTE PLANS
- 44-58 S.N. 090-0027 PLANS AND DETAILS
- 59 BRIDGE APPROACH PAVEMENT DETAIL
- 60-69 DISTRICT 4 STANDARDS
- 72-74 CROSS SECTIONS
- HIGHWAY STANDARDS

**HIGHWAY STANDARDS**

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 363001-04 PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
- 420001-07 PAVEMENT JOINTS
- 420101-04 24' JOINTED PCC PAVEMENT
- 420111-02 PCC PAVEMENT ROUNDOUTS
- 420401-07 BRIDGE APPROACH PAVEMENT CONNECTOR
- 421001-02 BARR REINFORCEMENT FOR CRC PAVEMENT
- 515001-03 NAME PLATE FOR BRIDGES
- 602301-02 INLET, TYPE A
- 602401-02 MANHOLE, TYPE A
- 602501-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS, TYPE 1
- 604306-02 GRATE TYPE 8
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 630001-08 STEEL PLATE BEAM GUARDRAIL
- 631031-07 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 684001-02 CHAIN LINK FENCE
- 701101-02 OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-01 TRAFFIC CONTROL DEVICES
- 704001-05 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 720016-02 MAST ARM MOUNTED STREET NAME SIGNS
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 814001-02 MANHOLES
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING AND BONDING
- 877011-04 STEEL COMB. MAST ARM ASSEMBLY AND POLE 16" THROUGH 55"
- 878001-07 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- BLR 23-3 TRAFFIC BARRIER TERMINAL TYPE 1

**DISTRICT 4 STANDARDS**

- 280001 TYPICAL APPLICATION OF SILT FILTER FENCE
- 408101 BUTT JOINTS
- 542016 PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)
- 602006 INLETS, TYPE G-1, SPECIAL
- 602026 INLET-MANHOLE, TYPE G-1, SPECIAL
- 602101 PRECAST REINFORCED CONCRETE FLAT SLAB TOP FOR INLET-MANHOLE, TYPE G-1 AND TYPE G-1, SPECIAL
- 604601 FRAME AND GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE STRUCTURES
- 667101 PERMANENT SURVEY TIE AND PERMANENT SURVEY MARKERS TYPE I & II
- 701301 NIGHTTIME LIGHTING INSPECTION
- 780001 TYPICAL PAVEMENT MARKINGS

**DESIGN DESIGNATION**

**CAMP STREET**  
 2,466 (2029) URBAN MINOR ARTERIAL 3.20 (PCC-20)  
 ADT = 24,860 (2029)  
 PV = 95%  
 SU = 3%  
 MU = 2%

**NPDES PERMIT REQUIRED**

**QC/QA CONCRETE**

CATALOG #033189-00

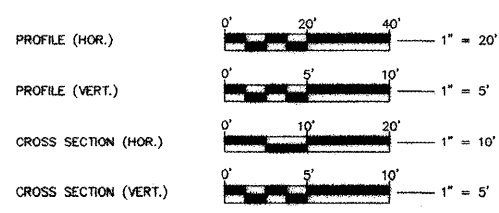
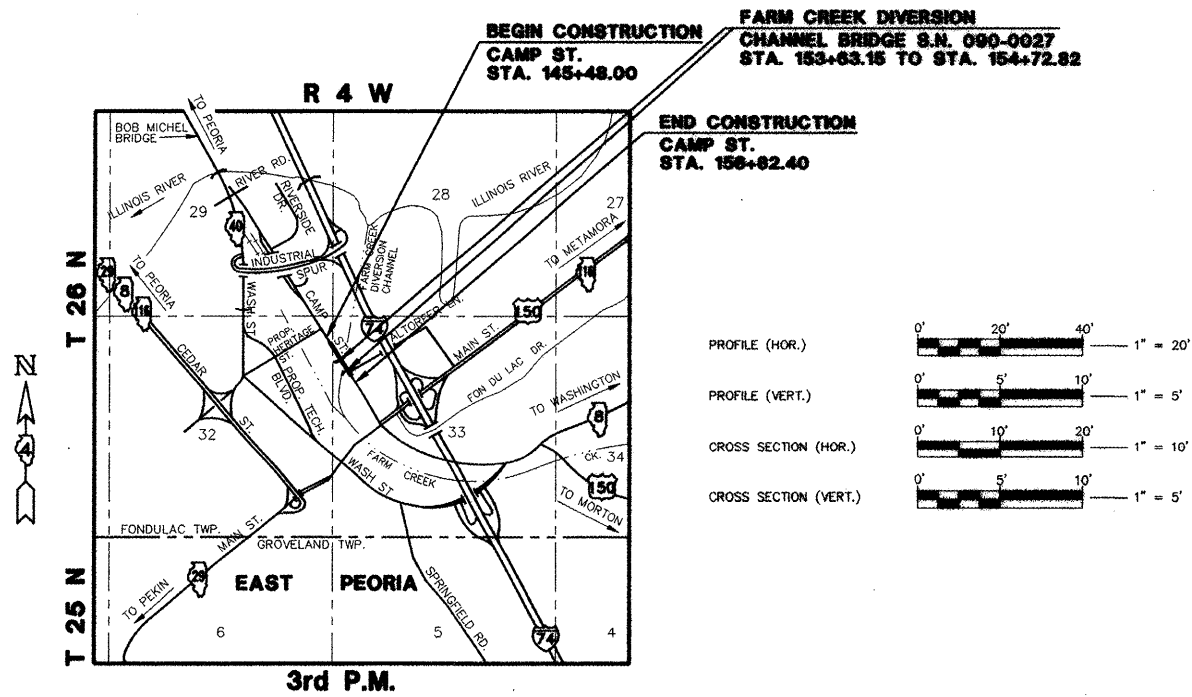
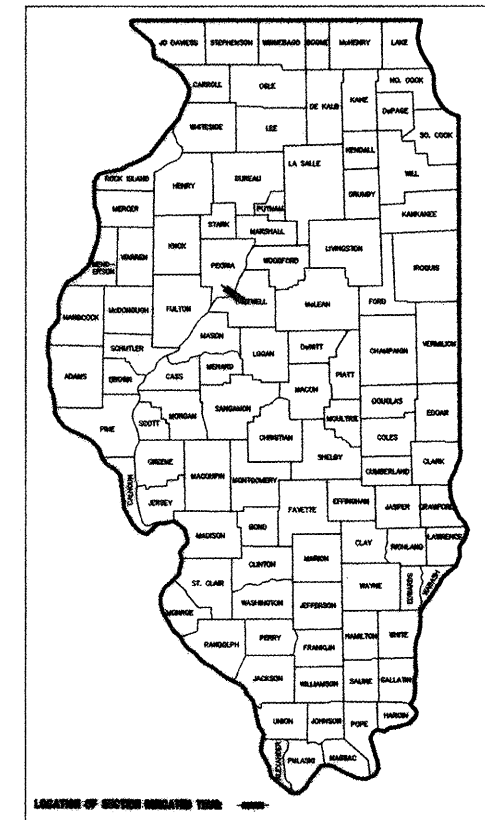
DOT LIAISON: KEN PARK (309) 671-3333

CITY OF EAST PEORIA LIAISON: RIC SEMONSKI (309) 698-4778

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS**

**CAMP STREET  
 CONNECTOR**

**TAZEWELL COUNTY  
 CONTRACT NO. 89392  
 SECTION 05-00148-00-PV  
 PROJECT NO. HD-5093(119)  
 JOB NO. C-94-035-06**



**LOCATION MAP**

**GROSS LENGTH OF IMPROVEMENT = 1134.40 FEET = 0.215 MILES  
 NET LENGTH OF IMPROVEMENT = 1134.40 FEET = 0.215 MILES**

**PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS**



Robert D. Culp 12/23/09  
 ROBERT D. CULP DATE  
 ILLINOIS REGISTERED PROFESSIONAL ENGINEER  
 No. 062-050922  
 EXPIRATION DATE: 11/30/09

APPROVED: January 5, 2009  
Shawn J. Dequan  
 CITY OF EAST PEORIA, DIRECTOR OF PUBLIC WORKS

PASSED: 1-6, 2009  
JL C.P.  
 DISTRICT FOUR ENGINEER OF  
 LOCAL ROADS & STREETS

RELEASING FOR  
 BID BASED ON  
 LIMITED REVIEW: Jan 6, 2009  
James E. Brown  
 DEPUTY DIRECTOR OF HIGHWAYS,  
 REGION THREE ENGINEER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	02
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

**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.

**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.

**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.

**TEMPORARY MATERIAL REQUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS**

AGGREGATE SURFACE COURSE MAY BE USED FOR ALL DRIVEWAY CROSSINGS EXCEPT DURING WINTER SHUTDOWN IN ACCORDANCE WITH ARTICLE 107.09.

**WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS**

PRIOR TO WINTER SHUTDOWN THE FOLLOWING STEPS SHALL BE TAKEN:

- ALL COLD MILLED SURFACES SHALL BE OVERLAID.
- ALL LANES SHALL BE REOPENED TO TRAFFIC.
- MANHOLES, WHERE APPLICABLE, SHALL BE ADJUSTED TO THE ELEVATION OF THE BINDER TO EASE IN PLOWING SNOW, AND READJUSTED TO FINISHED GRADE IN THE SPRING. THE INITIAL MANHOLE ADJUSTMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE AND ANY READJUSTMENT, AS DIRECTED BY THE ENGINEER, WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- TEMPORARY OR PERMANENT PAVEMENT MARKING SHALL BE PLACED AS APPLICABLE.

**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.

SPECIAL WASTE REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 669 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

**LABORATORY TESTING OF HOT-MIX ASPHALT MIXES**

SOME AGGREGATE COMPOSITIONS PRODUCE INCONSISTENT RESULTS WHEN BURNED IN THE IGNITION OVEN. THE ENGINEER WILL DETERMINE WHETHER THE IGNITION OVEN OR AC NUCLEAR GAUGE WILL BE REQUIRED AFTER THE AGGREGATE SOURCES HAVE BEEN IDENTIFIED.

**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.

**SIGNING**

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.

**TRAFFIC SIGNALS, REMOVAL/RETURNED TO THE CITY OF EAST PEORIA**

ALL EQUIPMENT REMOVED UNDER "REMOVE EXISTING TRAFFIC CONTROL EQUIPMENT" IS TO BE RETURNED TO THE CITY OF EAST PEORIA. SPECIFIC LOCATION TO BE DETERMINED AT TIME OF REMOVAL.

**TRAFFIC SIGNAL, EXISTING, OPERATIONAL DURING NEW CONSTRUCTION**

THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING INSTALLATION OF THE PROPOSED TRAFFIC SIGNALS.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

Mixture Uses(s):	BINDER COURSE (FULL DEPTH PAVEMENT), 9"
RAP % (Max)**:	15% / TOP TWO LIFTS 10%
AC/PG:	PG 64-22 / TOP TWO LIFTS SBS PG70-28
Design Air Voids:	4.0% @ N = 70
Mixture Composition:	IL 19.0
(Gradation Mixture)	
Friction Aggregate	N/A

Mixture Uses(s):	SURFACE COURSE HMA, 2"
RAP % (Max)**:	0%
AC/PG:	SBS PG 70-28
Design Air Voids:	4.0% @ N = 70
Mixture Composition:	IL 9.5 OR 12.5
(Gradation Mixture)	
Friction Aggregate	MIXTURE D

\*\*IF THE RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED; THIS WILL BE DETERMINED BY THE ENGINEER.

**JOB SPECIFIC NOTES**

**REMOVAL**

UNDERDRAIN REMOVAL SHALL BE INCLUDED IN THE UNIT COST OF PAVEMENT REMOVAL. ANY OUTLETS TO EXISTING DRAINAGE STRUCTURES ARE TO BE PLUGGED TO THE SATISFACTION OF THE ENGINEER.

**COMMITMENTS**

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE. NO COMMITMENTS HAVE BEEN MADE.

**STATUS OF UTILITIES**

Station	Offset	TO	Station	Offset	Owner	Type of Utility	Type of Conflict	Disposition	
147+15	13	RT			Ameren	Gas Valve	Roadway	Relocate	
150+34	36	LT			City of East Peoria	Sanitary Sewer Manhole	Earthwork	Adjust	
152+32	34	LT			City of East Peoria	Sanitary Sewer Manhole	Earthwork	Caution	
152+65	38	LT			City of East Peoria	Water Valve	Earthwork	Caution	
152+66	9	RT			Ameren	Power Pole	Roadway	Relocate	
152+66	12	RT			Telecom General Contractors, Inc.	Telephone Pedestal	Roadway	Relocate	
155+58	33	LT			City of East Peoria	Water Valve	Roadway	Caution	
156+70	12	RT			Telecom General Contractors, Inc.	Fiber Optic Manhole	Roadway	Adjust	
145+26	7	LT	to 150+50	10	RT	Telecom General Contractors, Inc.	Fiber Optic	Storm Sewer	Caution
152+18	12	RT			Telecom General Contractors, Inc.	Fiber Optic	Storm Sewer	Caution	
148+26	4	RT			Ameren	Gas Main	Storm Sewer	Caution	
150+43	5	RT			Ameren	Gas Main	Storm Sewer	Caution	
152+18	5	RT			Ameren	Gas Main	Storm Sewer	Caution	
150+43	36	LT			City of East Peoria	Sanitary Sewer	Storm Sewer	Caution	
150+43	37	LT			City of East Peoria	Water Main	Storm Sewer	Caution	
152+18	30	LT			City of East Peoria	Sanitary Sewer	Storm Sewer	Caution	
152+85	14	RT			Telecom General Contractors, Inc.	Fiber Optic	Signal Conduit	Caution	
152+85	5	RT			Ameren	Gas Main	Signal Conduit	Caution	
152+85	43	LT			City of East Peoria	Water Main	Signal Conduit	Caution	
152+87	49	LT	TO 154+74	49	LT	City of East Peoria	Water Main	Signal Conduit	Caution
152+87	49	LT	TO 154+74	49	LT	Telecom General Contractors, Inc.	Fiber Optic	Signal Conduit	Caution
152+87	49	LT	TO 154+74	49	LT	Ameren	Gas Main	Signal Conduit	Caution
154+72	52	LT			City of East Peoria	Water Main	Mast Arm	Caution	
154+72	52	LT			Telecom General Contractors, Inc.	Fiber Optic	Mast Arm	Caution	

NOTE: THE UTILITIES SHALL BE NOTIFIED DURING STORM SEWER LATERAL CONNECTIONS

DAVE BUGGAR  
TELECOM GENERAL CONTRACTORS, INC.  
PHONE # 217-235-4770  
212/314 ONTARIO ST.  
FRANKFORD, IL 60423

REED COOLING  
AMEREN  
PHONE # 309-444-7915  
300 LIBERTY ST.  
PEORIA, IL 61525

RAY ROESE  
CITY OF EAST PEORIA - PUBLIC WORKS (WATER)  
PHONE # 309-698-4716  
2232 E. WASHINGTON ST.  
EAST PEORIA, IL 61611

JACKIE HARMANN  
CITY OF EAST PEORIA - PUBLIC WORKS (SANITARY)  
PHONE # 309-698-4716  
2232 E. WASHINGTON ST.  
EAST PEORIA, IL 61611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**GENERAL NOTES, COMMITMENTS & STATUS OF UTILITIES**

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

L:\89392\DWG\GENNOT.DWG

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	03
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TAZEWELL COUNTY		
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	5000-2A	8071-2A	9031-1F
				ROADWAY	CAMP ST. BRIDGE	TRAFFIC SIGNALS
20200100	EARTH EXCAVATION	CU YD	1899.0	1899.0		
20800150	TRENCH BACKFILL	CU YD	53.0	53.0		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4253.0	4253.0		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4624.0	4624.0		
25000210	SEEDING, CLASS 2A	ACRE	1.0	1.0		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	86.0	86.0		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	86.0	86.0		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	86.0	86.0		
25100115	MULCH, METHOD 2	ACRE	1.0	1.0		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	285.0	285.0		
28000400	PERIMETER EROSION BARRIER	FOOT	122.0	122.0		
28000500	INLET AND PIPE PROTECTION	EACH	4.0	4.0		
28000510	INLET FILTERS	EACH	4.0	4.0		
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	77.0	77.0		
35100100	AGGREGATE BASE COURSE, TYPE A	TON	2901.0	2901.0		
35300410	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"	SQ YD	1045.0	1045.0		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	10.8	10.8		
40600300	AGGREGATE (PRIME COAT)	TON	3.0	3.0		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	206.0	206.0		
40600990	TEMPORARY RAMP	SQ YD	70.0	70.0		
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MX D, N70	TON	64.0	64.0		
40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 9"	SQ YD	1085.0	1085.0		
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	2123.0	2123.0		
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	334.0	334.0		
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	670.0	670.0		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	77.0	77.0		
44000100	PAVEMENT REMOVAL	SQ YD	2935.0	2935.0		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	308.0	308.0		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1303.0	1303.0		
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	44.0	44.0		
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1.0		1.0	
50102400	CONCRETE REMOVAL	CU YD	16.3		16.3	

SUMMARY OF QUANTITIES				TAZEWELL COUNTY		
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	5000-2A	8071-2A	9031-1F
				ROADWAY	CAMP ST. BRIDGE	TRAFFIC SIGNALS
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1.0		1.0	
50200100	STRUCTURE EXCAVATION	CU YD	43.0		43.0	
50300100	FLOOR DRAINS	EACH	6.0		6.0	
50300225	CONCRETE STRUCTURES	CU YD	25.2		25.2	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	149.3		149.3	
50300260	BRIDGE DECK GROOVING	SQ YD	548.0		548.0	
50300300	PROTECTIVE COAT	SQ YD	636.0		636.0	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1.0		1.0	
50500505	STUD SHEAR CONNECTORS	EACH	1869.0		1869.0	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	40607.0	27.0	40580.0	
50800515	BAR SPLICERS	EACH	519.0		519.0	
51500100	NAME PLATES	EACH	1.0		1.0	
52000020	PREFORMED JOINT SEAL 1 3/4"	FOOT	79.6		79.6	
52000050	PREFORMED JOINT SEAL 4"	FOOT	76.1		76.1	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	5.0		5.0	
54248510	CONCRETE COLLAR	CU YD	1.0	1.0		
55100500	STORM SEWER REMOVAL 12"	FOOT	64.0	64.0		
55100700	STORM SEWER REMOVAL 15"	FOOT	220.0	220.0		
55101200	STORM SEWER REMOVAL 24"	FOOT	297.0	297.0		
58700300	CONCRETE SEALER	SQ FT	263.0		263.0	
59000200	EPOXY CRACK INJECTION	FOOT	103.0		103.0	
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1.0	1.0		
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2.0	2.0		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1.0	1.0		
60241900	INLETS, TYPE G-1, SPECIAL	EACH	2.0	2.0		
60500040	REMOVING MANHOLES	EACH	3.0	3.0		
60500060	REMOVING INLETS	EACH	3.0	3.0		
60602200	CONCRETE GUTTER	FOOT	52.0	52.0		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1348.0	1348.0		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	223.0	223.0		
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	100.0	100.0		
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2.0	2.0		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 SUMMARY OF QUANTITIES

SCALE: VERT.      DRAWN BY JLT  
 HORIZ.              CHECKED BY CSA  
 DATE 12/22/2008

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	04
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4   ILLINOIS   FED. AID PROJECT				

SUMMARY OF QUANTITIES				TAZEWELL COUNTY		
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	5000-2A	1071-2A	1031-1F
				ROADWAY	CAMP ST. BRIDGE	TRAFFIC SIGNALS
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2.0	2.0		
63200310	GUARDRAIL REMOVAL	FOOT	71.0	71.0		
* 63301990	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1.0	1.0		
66400105	CHAIN LINK FENCE, 4'	FOOT	68.0	68.0		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1.0		1.0	
* 66900205	SPECIAL WASTE DISPOSAL	CU YD	5262.0	5262.0		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	22.0	22.0		
67100100	MOBILIZATION	L SUM	1.0	1.0		
70100100	TRAFFIC CONTROL AND PROTECTION	L SUM	1.0	1.0		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	555.0	555.0		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	200.0	200.0		
72000100	SIGN PANEL - TYPE 1	SQ FT	11.3	6.3		5.0
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	9.0	9.0		
72900100	METAL POST - TYPE A	FOOT	58.0	58.0		
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	44.0	44.0		
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	2529.0	2529.0		
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	478.0	478.0		
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	360.0	360.0		
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	293.0	293.0		
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	107.0	107.0		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	7.0	7.0		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1.0	1.0		
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1013.0			1013.0
* 81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	84.0			84.0
* 81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	402.0			402.0
* 81400115	HANDHOLE TO BE ADJUSTED	EACH	1.0			1.0
* 81400100	HANDHOLE	EACH	4.0			4.0
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1277.0			1277.0
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1176.0			1176.0
* 82102400	LUMINAIRE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2.0			2.0
* 85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1.0			1.0
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1134.0			1134.0

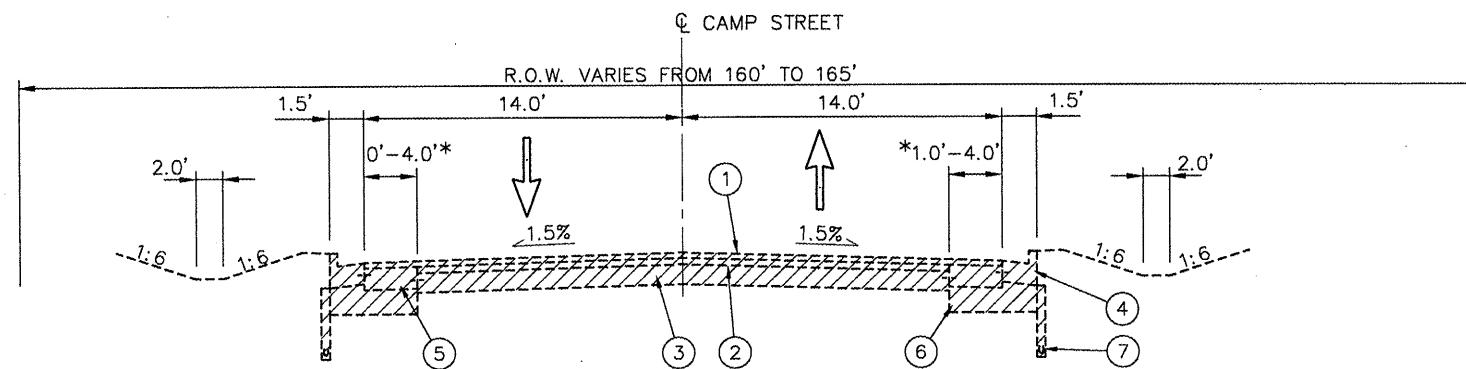
SUMMARY OF QUANTITIES				TAZEWELL COUNTY		
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	5000-2A	1071-2A	1031-1F
				ROADWAY	CAMP ST. BRIDGE	TRAFFIC SIGNALS
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	587.0			587.0
* 87501100	TRAFFIC SIGNAL POST, 15 FT.	EACH	1.0			1.0
* 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2.0			2.0
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8.0			8.0
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	40.0			40.0
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4.0			4.0
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0			1.0
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2.0			2.0
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1.0			1.0
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	5.0			5.0
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	70.0	70.0		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	51.0	51.0		
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	212.0	212.0		
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	119.0	119.0		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	63.0	63.0		
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	172.0	172.0		
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	166.0	166.0		
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	65.0	65.0		
* X0322765	RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0			1.0
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	41.0		41.0	
X8060015	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (VWGF)	FOOT	21.0	21.0		
X8063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	21.0	21.0		
X8064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	22.0	22.0		
* X8900030	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	1.0			1.0
XX000321	INLET-MANHOLE, TYPE G-1, 5'-DIAMETER, SPECIAL	EACH	2.0	2.0		
* XX002182	STREET NAME SIGN MAST ARM MOUNT	EACH	3.0			3.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	1.0		
Z0030250	IMPACT ATTENUATOR, TEMPORARY, (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	2.0		
Z0030350	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	2.0		
Δ Z0076600	TRAINEES	HOURL	500.0	500.0		

\* SPECIALTY ITEMS  
 Δ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**SUMMARY OF QUANTITIES**  
 SCALE: VERT. DATE 12/22/2008  
 HORIZ. DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	05
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



\*DIMENSIONS ASSUMED FROM RECORD DRAWINGS

**EXISTING TYPICAL SECTION - CAMP STREET**

SCALE: N.T.S.

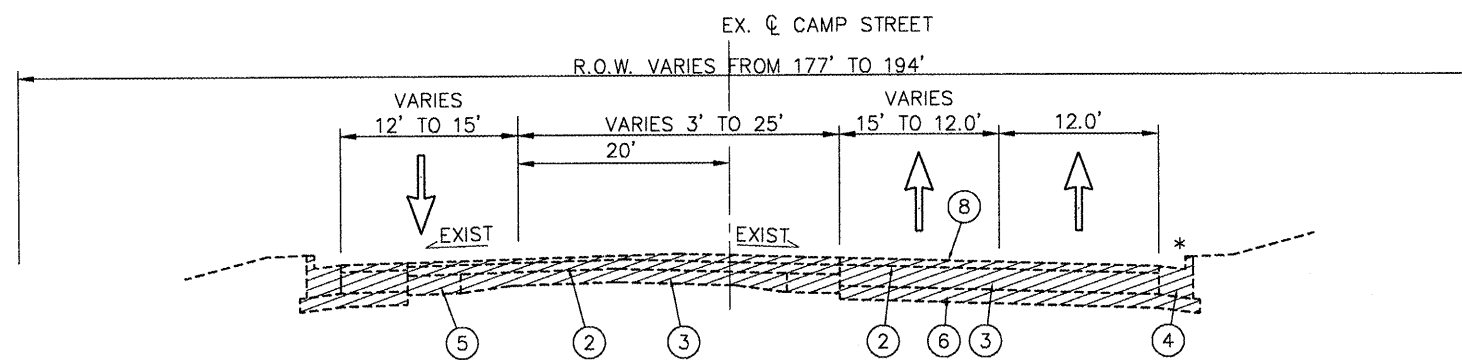
STA. 145+48 TO STA. 153+34.16  
 CURB REMOVAL BEGINS LT STA. 145+48.00 AND LT STA. 149+13.67  
 PAVEMENT REMOVAL BEGINS STA. 148+35.77

**LEGEND**

- ① EX. BITUMINOUS OVERLAY
- ② EX. HOT MIX ASPHALT BINDER COURSE
- ③ EX. PORTLAND CEMENT CONCRETE BASE COURSE
- ④ EX. COMBINATION CONCRETE CURB & GUTTER
- ⑤ EX. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING
- ⑥ EX. SUB-BASE GRANULAR MATERIAL
- ⑦ EX. PIPE UNDERDRAINS
- ⑧ EX. HOT MIX ASPHALT SURFACE COURSE

TO BE REMOVED - SEE REMOVAL PLANS FOR LIMITS

**STA. 153+34.16 TO STA. 155+01.14**  
**SEE BRIDGE APPROACH PAVEMENT DETAIL AND THE BRIDGE PLANS FOR EXISTING INFORMATION**



**EXISTING TYPICAL SECTION - CAMP STREET**

SCALE: N.T.S.

STA. 155+01.14 TO STA. 156+82.40

\* CURB REMOVAL ENDS RT STA. 156+20

REVISIONS	
NAME	DATE

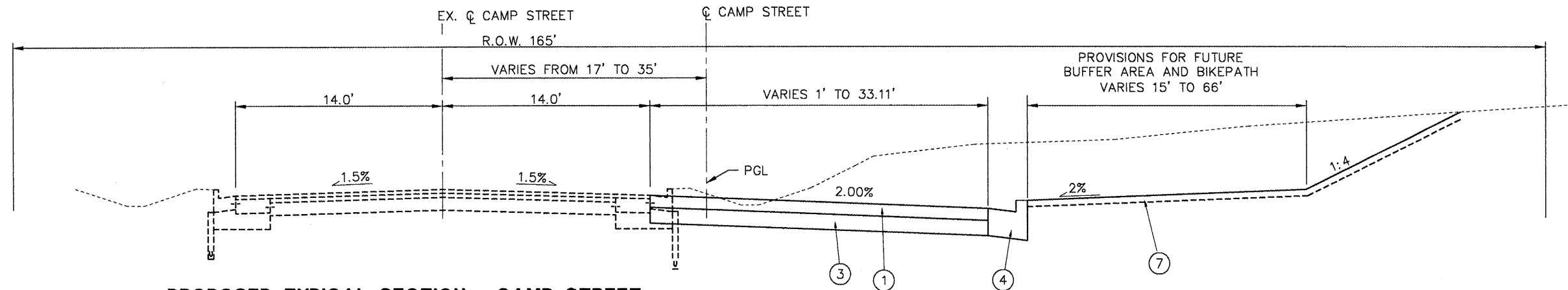
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**EXISTING TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	06
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



**PROPOSED TYPICAL SECTION - CAMP STREET**

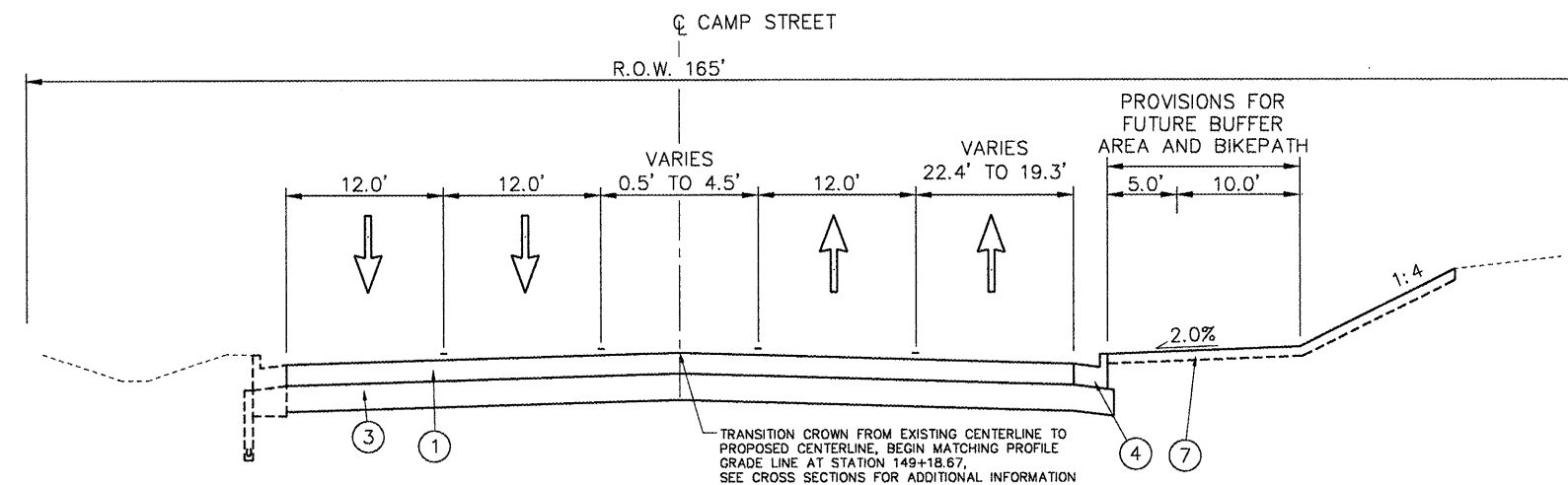
SCALE: N.T.S.

STA. 145+48.00 TO STA. 148+35.71

**LEGEND**

- ① HOT MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ③ AGGREGATE BASE COURSE, TYPE A 12"
- ④ COMBINATION CONCRETE CURB & GUTTER, B-6.24
- ⑤ TIE BAR, TYP.
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL FURNISH AND PLACE, 4", SEEDING CL 2A, MULCH METHOD 2
- ⑧ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"
- ⑨ PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"

<b>STRUCTURAL DESIGN TRAFFIC:</b> Year 2019	
PV = 95%	SU = 3% MU = 2%
<b>ROAD/STREET CLASSIFICATION:</b> CLASS I	
<b>PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:</b>	
P = 30%	S = 45% M = 45%
<b>TRAFFIC FACTOR:</b> ACTUAL TF = 2.67	
<b>ILLINOIS BEARING RATIO:</b> 4.0	



**PROPOSED TYPICAL SECTION - CAMP STREET**

SCALE: N.T.S.

STA. 148+35.71 TO STA. 149+18.67

REVISIONS	
NAME	DATE

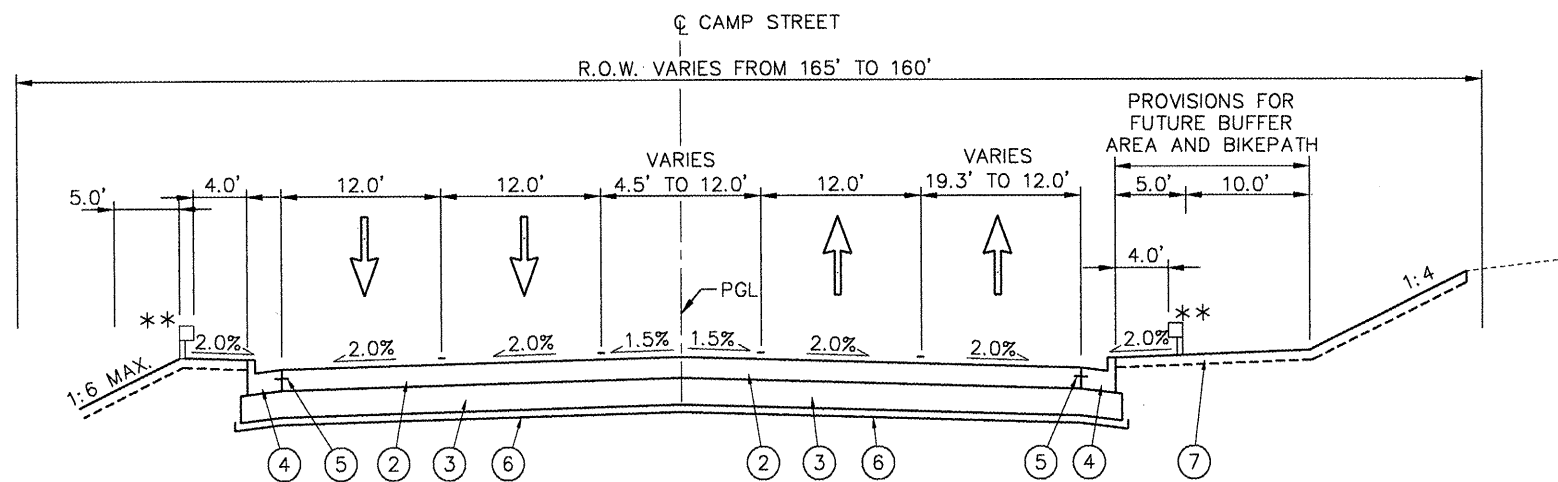
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 PROPOSED TYPICAL SECTIONS

VERT. SCALE:  
 HORIZ. DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	07
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



**PROPOSED TYPICAL SECTION - CAMP STREET**

SCALE: N.T.S.

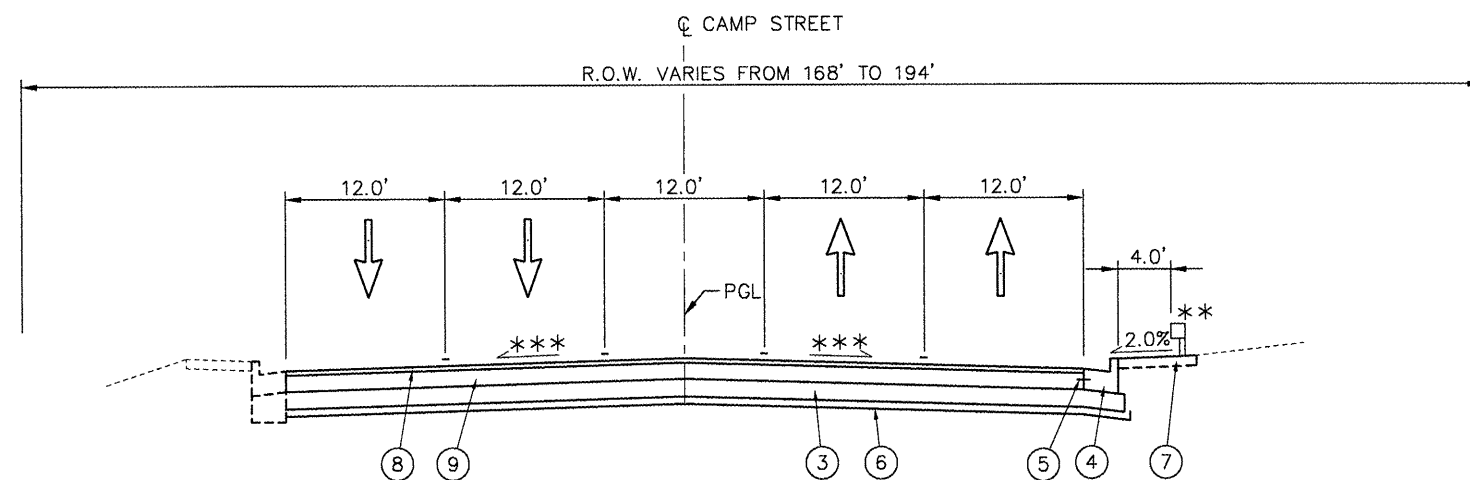
STA. 149+18.67 TO STA. 153+34.16

**LEGEND**

- ① HOT MIX ASPHALT PAVEMENT (FULL DEPTH) 9"
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ③ AGGREGATE BASE COURSE, TYPE A 12"
- ④ COMBINATION CONCRETE CURB & GUTTER, B-6.24
- ⑤ TIE BAR, TYP.
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL FURNISH AND PLACE, 4", SEEDING CL 2A, MULCH METHOD 2
- ⑧ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"
- ⑨ PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"

**BRIDGE APPROACH PAVEMENT AND BRIDGE OMISSION**

STA. 153+34.16 TO STA. 155+01.14



**PROPOSED TYPICAL SECTION - CAMP STREET**

SCALE: N.T.S.

STA. 155+01.14 TO STA. 156+82.40

\*\*\* SEE INTERSECTION GRADING SHEET FOR ADDITIONAL INFORMATION

STRUCTURAL DESIGN TRAFFIC: Year 2019		
PV = 95%	SU = 3%	MU = 2%
ROAD/STREET CLASSIFICATION: CLASS I		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 30%	S = 45%	M = 45%
TRAFFIC FACTOR: ACTUAL TF = 2.67		
ILLINOIS BEARING RATIO: 4.0		

\*\* GUARDRAIL, @ RT STA. 152+50.35 TO STA. 156+64.23  
LT STA. 152+90.20 TO STA. 153+14.31

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
PROPOSED TYPICAL SECTIONS

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	10
STA. 145+50.00 TO STA. 156+60.00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

SIGN PANEL SCHEDULE				
		SIGN PANEL -		RELOCATE SIGN
		TYPE 1	METAL POST - TYPE A	PANEL - TYPE 1
		SQ FT	FOOT	SQ FT
MAST ARM C		5.00		
STA. 151+50.00	LT	6.25	28	
STA. 152+50.00	LT		30	9
SUBTOTAL		11	58	9
<b>TOTAL</b>		<b>11</b>	<b>58</b>	<b>9</b>

CONSTRUCTION LAYOUT SCHEDULE	
LOCATION	CONSTRUCTION LAYOUT L. SUM
ENTIRE PROJECT	1
SUBTOTAL	1
<b>TOTAL</b>	<b>1</b>

IMPACT ATTENUATOR SCHEDULE		
LOCATION	IMPACT ATTENUATOR, TEMPORARY, (NON-REDIRECTIVE), TEST LEVEL 3	
	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH
CAMP STREET		
STAGE 1		
STA. 152+10.00	RT	1
STA. 156+40.00	RT	1
STAGE 2		
STA. 153+00.00	RT	1
STA. 155+24.55	RT	1
SUBTOTAL		2
<b>TOTAL</b>		<b>2</b>

TRAINERS SCHEDULE	
LOCATION	TRAINERS HOUR
ENTIRE PROJECT	500
SUBTOTAL	500
<b>TOTAL</b>	<b>500</b>

LOCATION	CONDUIT IN TRENCH		CONDUIT ATTACHED TO STRUCTURE
	2" DIA., PVC	4" DIA., PVC	2" DIA., GALVANIZED STEEL
		FOOT	FOOT
CAMP & ALTORFER			
DH	TO A	9.4	
HH1	TO C	34.5	
HH2	TO B		39.7
DH	TO HH6	12.0	
HH5	TO HH6	20.0	402
HH6	TO HH7	178.2	
HH7	TO HH8	758.6	
SUBTOTAL		1,013	402
<b>TOTAL</b>		<b>1,013</b>	<b>402</b>

LOCATION		CONCRETE HANDHOLE	
		EACH	
CAMP & ALTORFER			
HH5	STA. 154+74.67	49.22 ft	LT
HH6	STA. 152+83.84	49.84 ft	LT
HH7	STA. 152+85.91	39.40 ft	RT
HH8	STA. 149+06.75	48.16 ft	RT
SUBTOTAL		4	
<b>TOTAL</b>		<b>4</b>	

LOCATION		TRENCH AND BACKFILL FOR ELECTRICAL WORK	
		FOOT	
CAMP & ALTORFER			
DH	TO A	19	
HH1	TO C	69	
HH2	TO B	40	
DH	TO HH5	12	
HH5	TO HH6	100	
HH6	TO HH7	178	
HH7	TO HH8	759	
SUBTOTAL		1,176	
<b>TOTAL</b>		<b>1,176</b>	

LOCATION		LUMINAIRE	
		EACH	
CAMP & ALTORFER			
SIGNAL A	STA. 154+71.76	53.00' LT	1
SIGNAL C	STA. 156+35.13	40.00' RT	1
SUBTOTAL		2	
<b>TOTAL</b>		<b>2</b>	

LOCATION	ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14		ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6
	SC	7C	FOOT
CAMP & ALTORFER	1,133.7	586.7	748.9
SUBTOTAL	1,134	587	749
<b>TOTAL</b>	<b>1,134</b>	<b>587</b>	<b>749</b>

LOCATION		TRAFFIC SIGNAL POST, 15'	STEEL COMBINATION MAST ARM ASSEMBLY & POLE, 42'
		FOOT	EACH
CAMP & ALTORFER			
SIGNAL A	STA. 154+71.76	51.74' LT	1
SIGNAL B	STA. 155+74.61	39.34' RT	1
SIGNAL C	STA. 156+35.13	40.00' RT	1
SUBTOTAL		2	
<b>TOTAL</b>		<b>2</b>	

LOCATION		CONCRETE FOUNDATION	
		TYPE A	TYPE E, 36-INCH DIAMETER
		FOOT	FOOT
CAMP & ALTORFER			
SIGNAL A	STA. 154+71.76	51.74' LT	20
SIGNAL B	STA. 155+74.61	39.34' RT	8
SIGNAL C	STA. 156+35.13	40.00' RT	20
SUBTOTAL		48	
<b>TOTAL</b>		<b>48</b>	

LOCATION	TRAFFIC SIGNAL BACKPLATE, LOUVERED	SIGNAL HEAD, LED, I-FACE				RELOCATE VEHICLE VIDEO DETECTION SYSTEM	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	STREET NAME SIGN MOUNT	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
		3-SECTION MAST ARM MOUNTED	3-SECTION BRACKET MOUNTED	5-SECTION BRACKET MOUNTED	5-SECTION MAST ARM MOUNTED				
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	L SUM
CAMP & ALTORFER									
SIGNAL A	STA. 154+71.76	51.74' LT	2	2	1			1	
SIGNAL B	STA. 155+74.61	39.34' RT			1			1	
SIGNAL C	STA. 156+35.13	40.00' RT	3	2	1			1	
PROJECT						1	1		1
SUBTOTAL		5		4	1	2	1	1	3
<b>TOTAL</b>		<b>5</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>

REVISIONS	
NAME	DATE

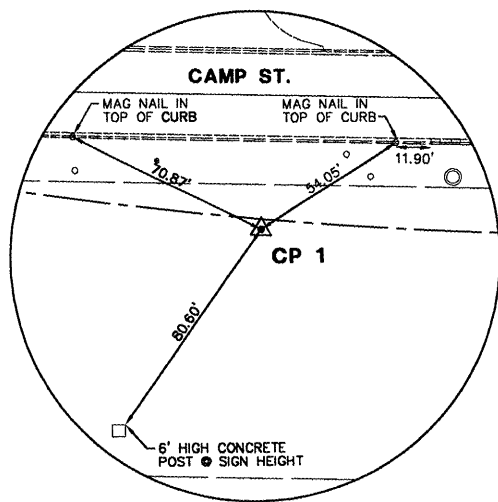
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 SCHEDULE OF QUANTITIES

SCALE: VERT.  
 HORIZ.  
 DATE 12/22/2008

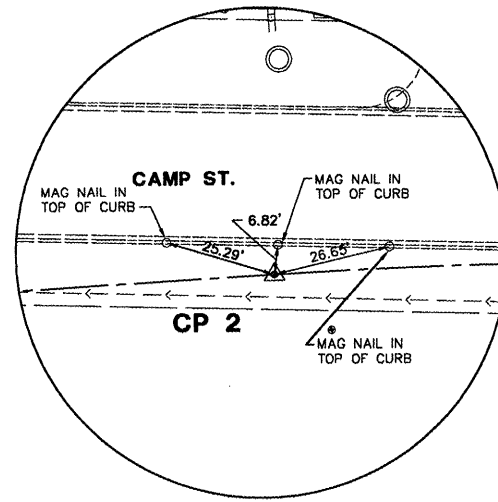
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 CHECKED BY CSA

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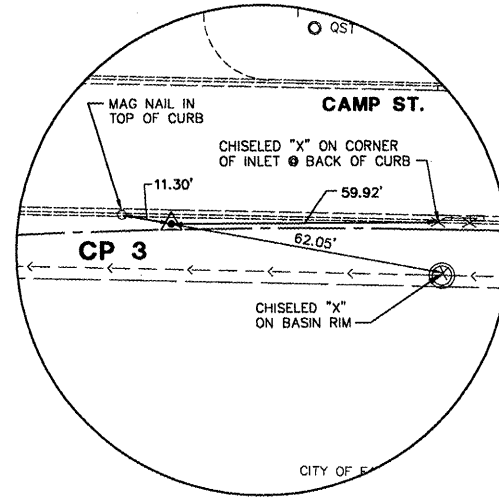
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	11
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



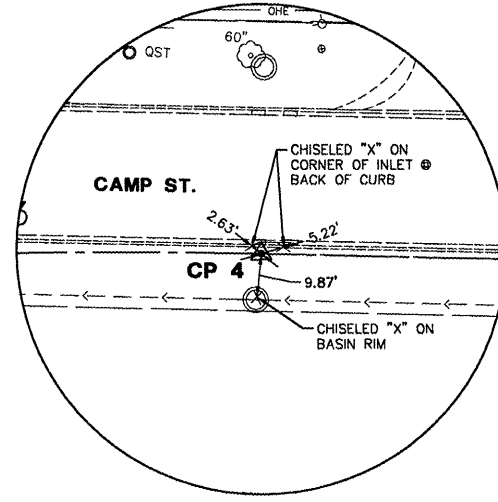
**CP 1**  
 P.I. STA. 138+92.87  
 (CAMP STREET)  
 1/2" ROD W/ CAP  
 N. 11985.47  
 E. 9242.25



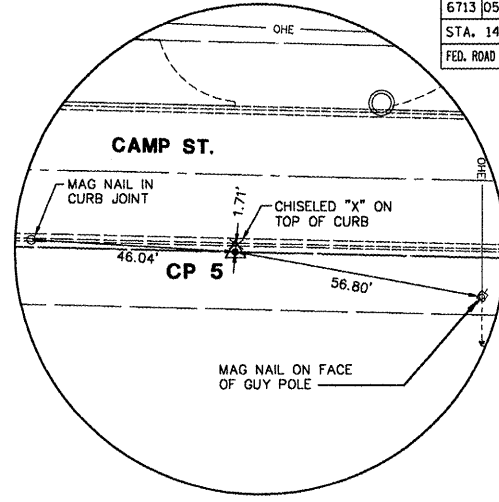
**CP 2**  
 P.C. STA. 147+03.27  
 (CAMP STREET)  
 5/8" IRON ROD  
 N. 11324.25  
 E. 9710.37



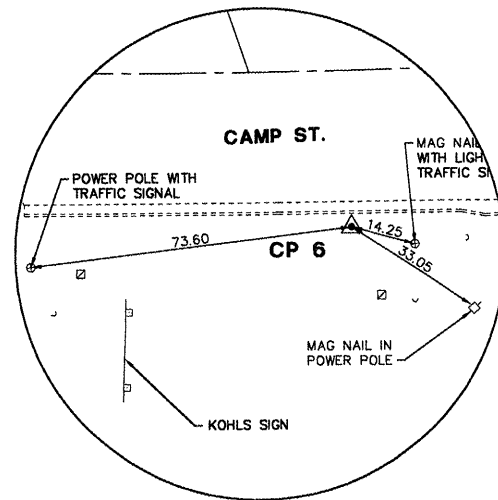
**CP 3**  
 P.I. STA. 147+65.29  
 (CAMP STREET)  
 1/2" IRON ROD W/ CAP  
 N. 11224.04  
 E. 9748.90



**CP 4**  
 P.T. STA. 148+27.24  
 (CAMP STREET)  
 5/8" IRON ROD  
 N. 11224.04  
 E. 9783.29



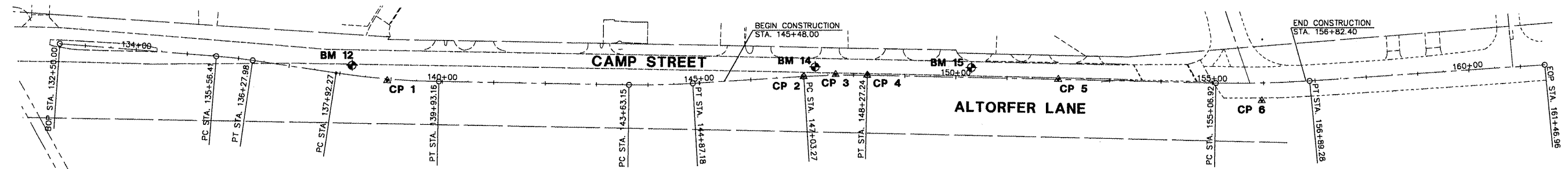
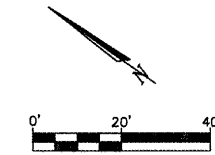
**CP 5**  
 E.O.P. STA. 152+00.00  
 (CAMP STREET)  
 5/8" IRON ROD W/ CAP  
 N. 10913.82  
 E. 9989.96



**CP 6**  
 P.C. STA. 155+06.92  
 (CAMP STREET)  
 1/2" IR WITH CAP  
 N. 10565.03  
 E. 10182.69

**BENCHMARKS**

BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET
BM 12	CHISELED "X" ON SANITARY MANHOLE NORTH OF UPS ENTRANCE	454.86	138+21.17	LT. 19.18'
BM 14	CHISELED "X" SANITARY SEWER MANHOLE IN CONCRETE DRIVEWAY	454.67	147+26.32	LT. 17.60'
BM 15	CHISELED "X" ON SANITARY MANHOLE LID NORTH OF NORTHMOST FAMILY FURNITURE ENTRANCE	456.18	150+30.11	LT. 19.30'



**HORIZONTAL ALIGNMENTS**

SCALE: 1" = 100'

REVISIONS	
NAME	DATE

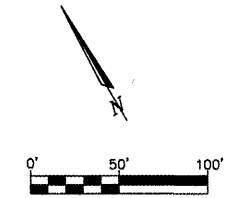
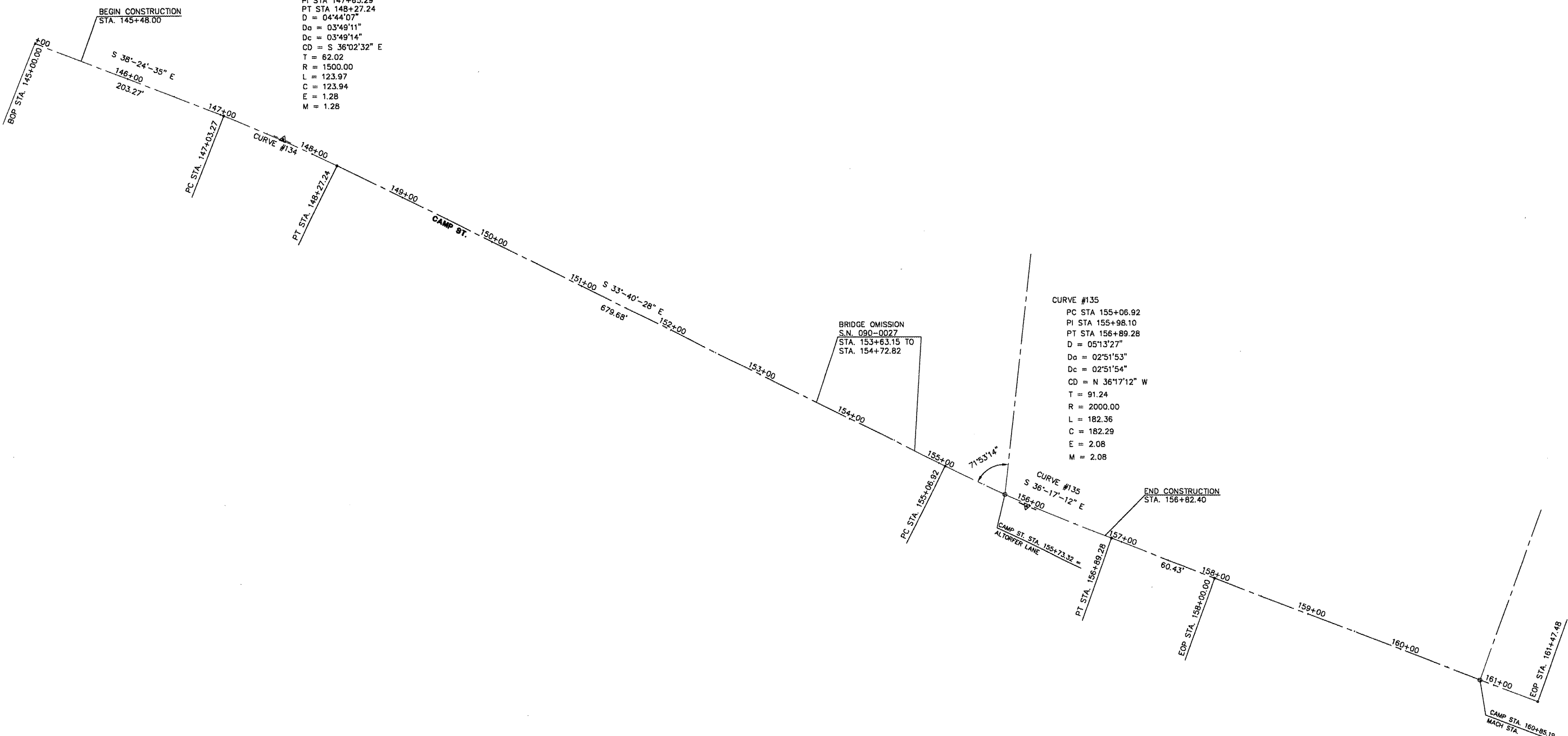
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 ALIGNMENT TIES AND BENCHMARKS  
 SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	12
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

CURVE #134  
 PC STA 147+03.27  
 PI STA 147+65.29  
 PT STA 148+27.24  
 D = 04'44"07"  
 Da = 03'49"11"  
 Dc = 03'49"14"  
 CD = S 36'02"32" E  
 T = 62.02  
 R = 1500.00  
 L = 123.97  
 C = 123.94  
 E = 1.28  
 M = 1.28

CURVE #135  
 PC STA 155+06.92  
 PI STA 155+98.10  
 PT STA 156+89.28  
 D = 05'13"27"  
 Da = 02'51"53"  
 Dc = 02'51"54"  
 CD = N 36'17"12" W  
 T = 91.24  
 R = 2000.00  
 L = 182.36  
 C = 182.29  
 E = 2.08  
 M = 2.08

BRIDGE OMISSION  
 S.N. 090-0027  
 STA. 153+63.15 TO  
 STA. 154+72.82



REVISIONS	
NAME	DATE

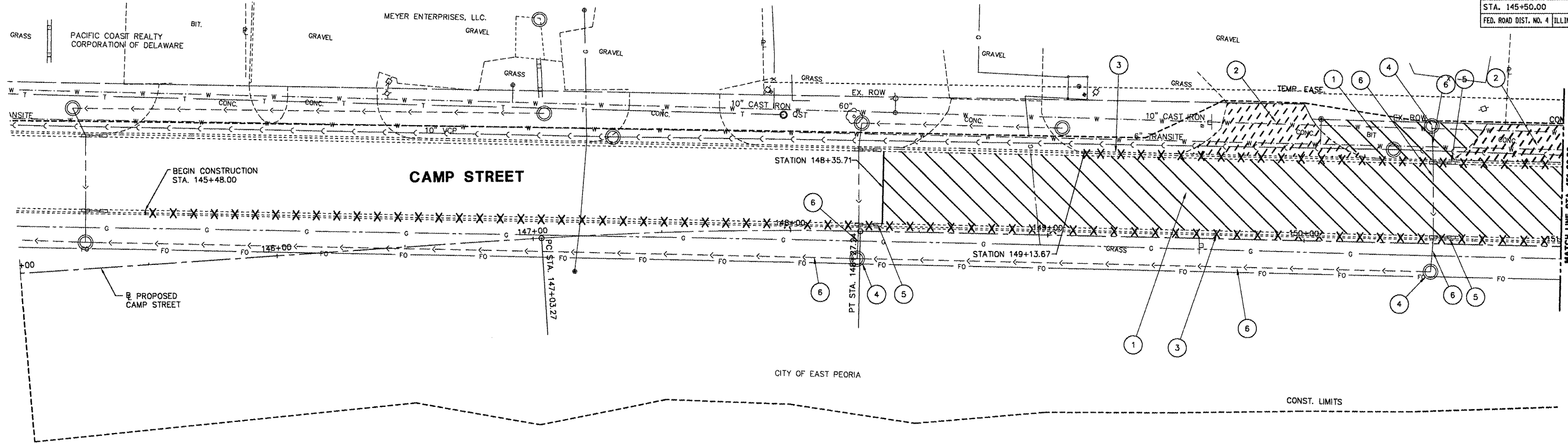
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**CAMP STREET ALIGNMENT**  
**DIAGRAM**

SCALE: VERT. 1" = 50'  
 HORIZ. 1" = 50'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

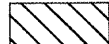
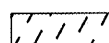
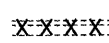
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F.A.I.D. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	13
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

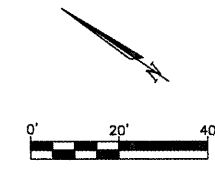


**PLAN VIEW**  
SCALE: 1"=20'

**LEGEND**

- |   |                       |
|---|-----------------------|
| ①  PAVEMENT REMOVAL                    | ④ REMOVING MANHOLES   |
| ②  DRIVEWAY PAVEMENT REMOVAL           | ⑤ REMOVING INLETS     |
| ③  COMBINATION CURB AND GUTTER REMOVAL | ⑥ STORM SEWER REMOVAL |
|   | ⑦ GUARDRAIL REMOVAL   |

- ① PAVEMENT REMOVAL  
STA. 148+35.71 TO STA. 151+00.00
- ② DRIVEWAY PAVEMENT REMOVAL  
LT. STA. 149+51.16 TO STA. 150+23.58  
LT. STA. 150+58.43 TO STA. 151+00.00
- ③ COMBINATION CURB AND GUTTER REMOVAL  
LT. STA. 145+48.00 TO STA. 151+00.00  
LT. STA. 149+13.67 TO STA. 151+00.00
- ④ REMOVING MANHOLES  
STA. 148+26.20, 10.48' RT.  
STA. 150+48.45, 10.46' RT.  
STA. 150+48.78, 45.71' LT.
- ⑤ REMOVING INLETS  
STA. 148+30.27, 2.66' LT.  
STA. 150+53.18, 31.59' LT.  
STA. 150+53.83, 2.65' LT.
- ⑥ STORM SEWER REMOVAL, 12"  
RT. STA. 148+26.20 TO LT. STA. 148+26.63  
LT. STA. 150+48.78 TO LT. STA. 150+49.64  
RT. STA. 150+49.45 TO LT. STA. 150+50.30  
LT. STA. 150+49.64 TO LT. STA. 150+50.30  
STORM SEWER REMOVAL, 15"  
RT. STA. 148+26.21 TO RT. STA. 150+49.45  
STORM SEWER REMOVAL, 24"  
LT. STA. 145+26.06 TO RT. STA. 148+26.21



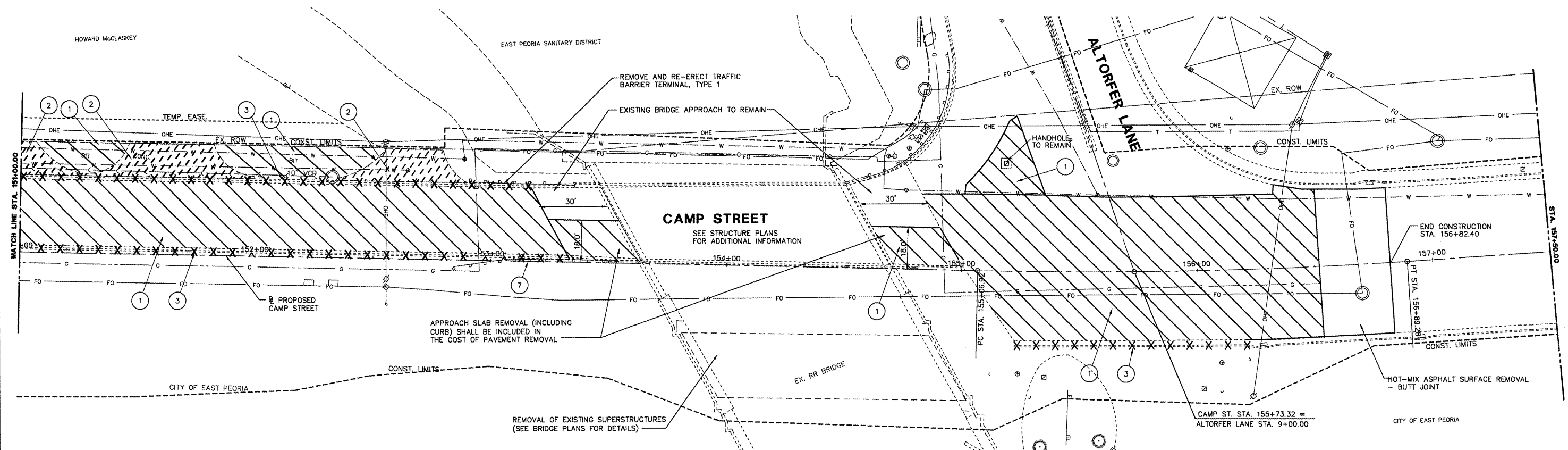
THE REMOVAL OF BOTH INLETS FOR G-1 DOUBLE AND THE PIPE IN-BETWEEN WILL BE INCLUDED AS ONE EACH REMOVAL ITEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
REMOVAL PLAN  
STA. 145+00 TO 151+00  
SCALE: VERT.      DRAWN BY JLT  
HORIZ. 1" = 20'      CHECKED BY CSA  
DATE 12/22/2008

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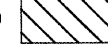
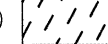
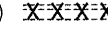
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	14
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

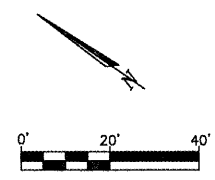


**PLAN VIEW**  
SCALE: 1"=20'

SEE TRAFFIC SIGNAL PLANS FOR REMOVAL OF EXISTING TRAFFIC SIGNALS

**LEGEND**

- |   |                       |
|---|-----------------------|
| ①  PAVEMENT REMOVAL                    | ④ REMOVING MANHOLES   |
| ②  DRIVEWAY PAVEMENT REMOVAL           | ⑤ REMOVING INLETS     |
| ③  COMBINATION CURB AND GUTTER REMOVAL | ⑥ STORM SEWER REMOVAL |
|   | ⑦ GUARDRAIL REMOVAL   |
- 
- |  |
|--|
| ① PAVEMENT REMOVAL<br>STA. 151+00.00 TO STA. 153+61.70<br>STA. 154+62.18 TO STA. 158+82.40   |
| ② DRIVEWAY PAVEMENT REMOVAL<br>LT. STA. 151+00.00 TO STA. 151+25.46<br>LT. STA. 151+27.29 TO STA. 151+99.30<br>LT. STA. 152+34.92 TO STA. 152+89.62          |
| ③ COMBINATION CURB AND GUTTER REMOVAL<br>LT. STA. 151+00.00 TO STA. 153+15.9<br>LT. STA. 151+00.00 TO STA. 153+33.43<br>LT. STA. 155+22.88 TO STA. 156+19.97 |
| ⑦ GUARDRAIL REMOVAL<br>RT. STA. 152+83.68 TO LT. STA. 153+53.31  |



REVISIONS	
NAME	DATE

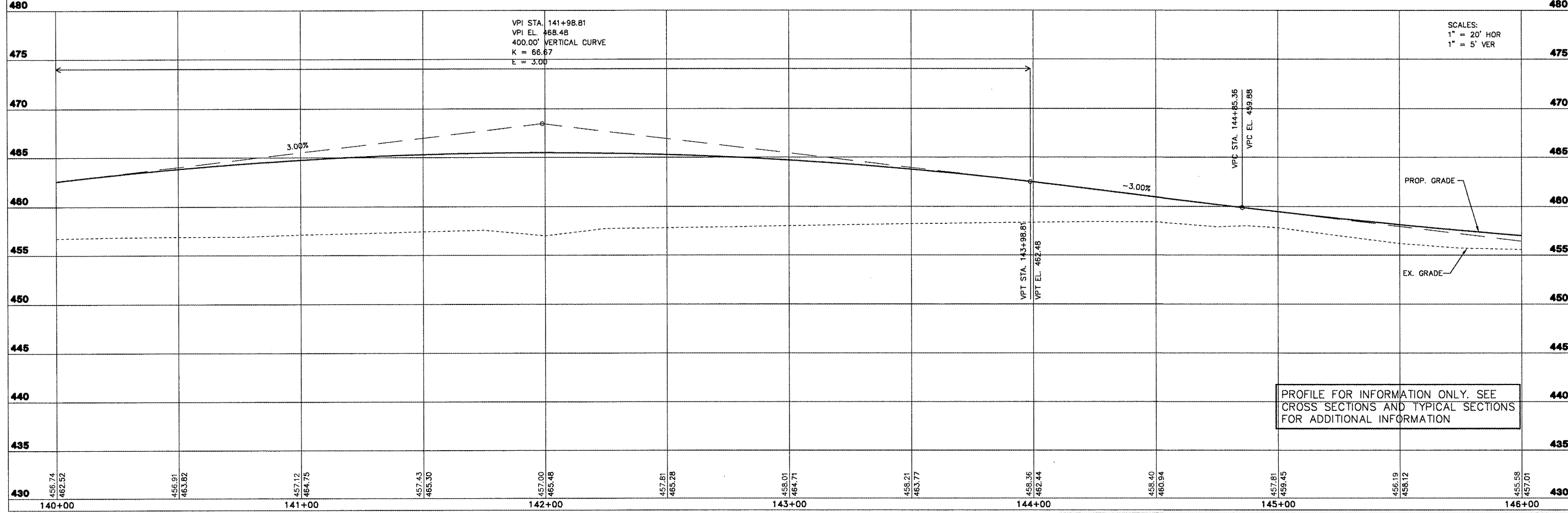
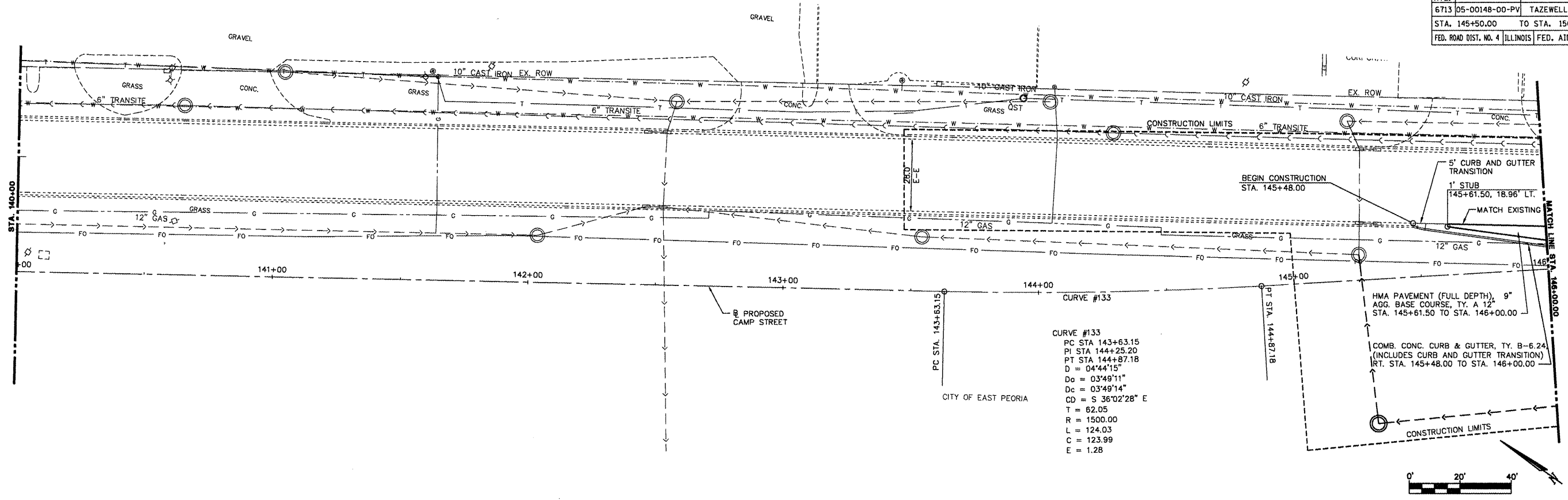
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**REMOVAL PLAN**  
**STA. 151+00 TO 157+50**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

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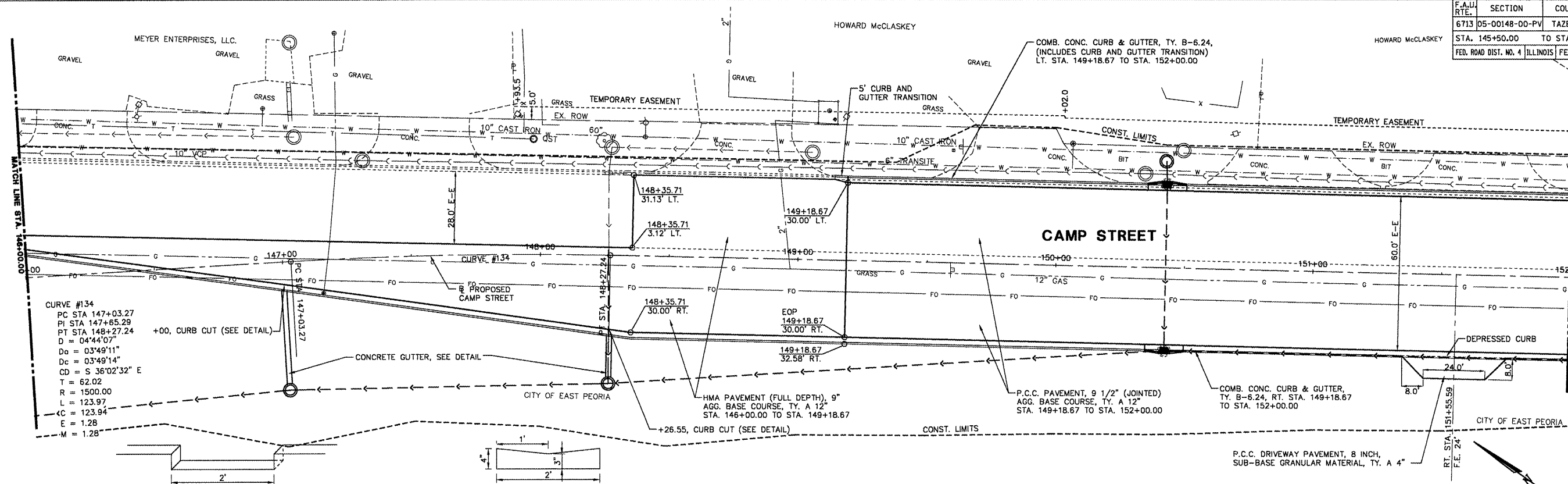
F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	15
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



CAMP STREET - PLAN AND PROFILE - STA. 140+00 TO STA. 146+00

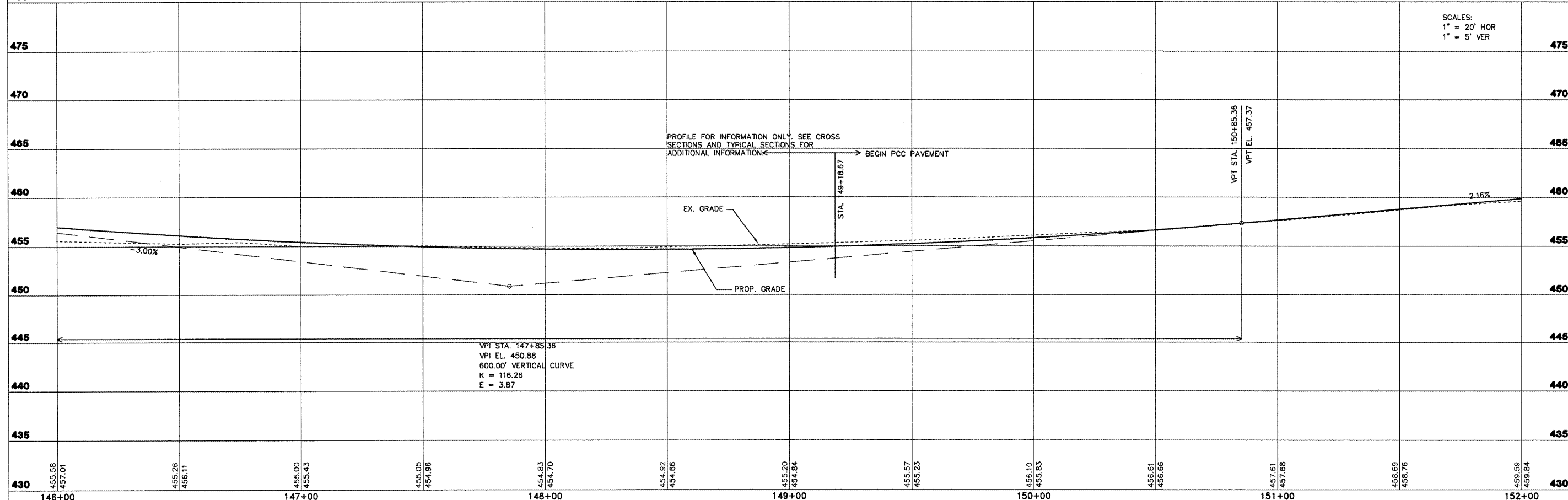
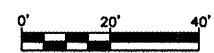
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	16
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



**CURB CUT DETAIL**  
SCALE: NTS

**CONCRETE GUTTER DETAIL**  
SCALE: NTS



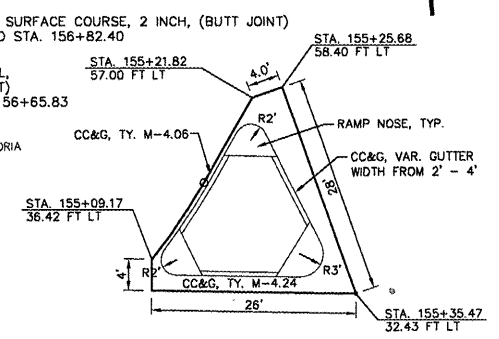
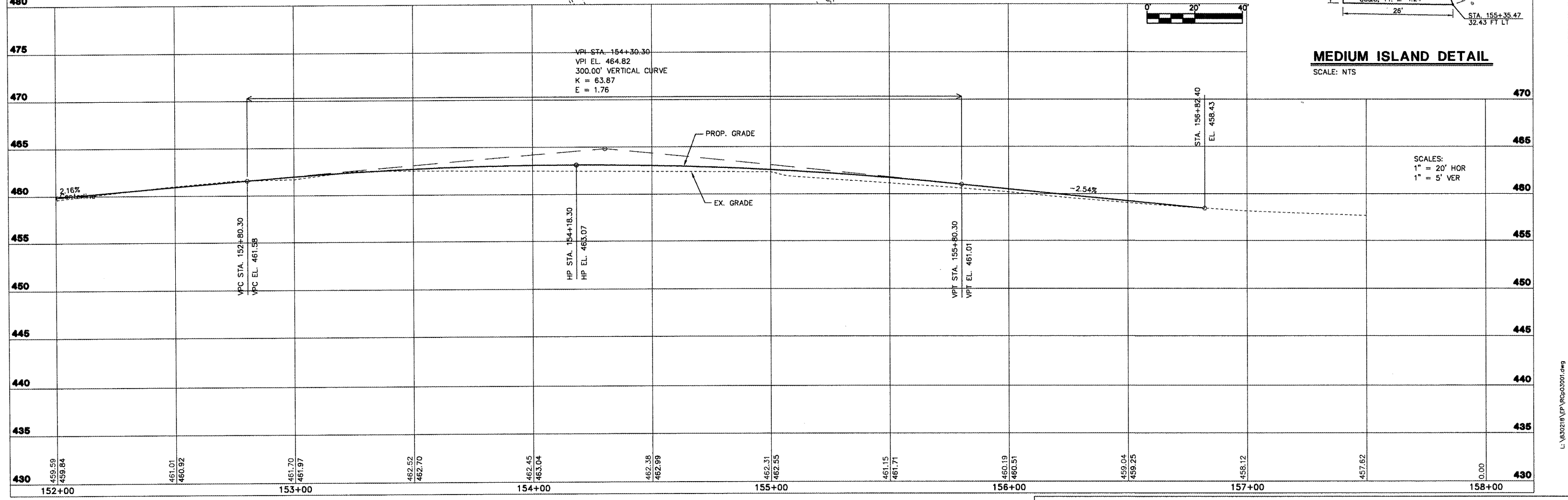
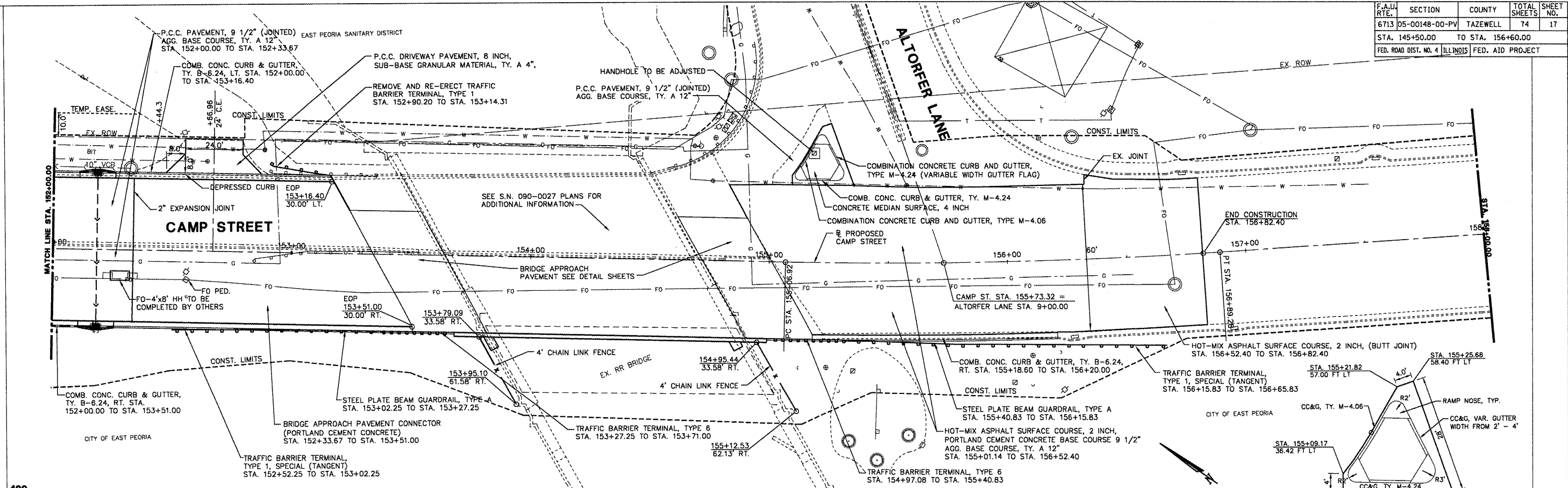
PROFILE FOR INFORMATION ONLY. SEE CROSS SECTIONS AND TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

**CAMP STREET - PLAN AND PROFILE - STA. 146+00 TO STA. 152+00**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	17
STA. 145+50.00 TO STA. 156+60.00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

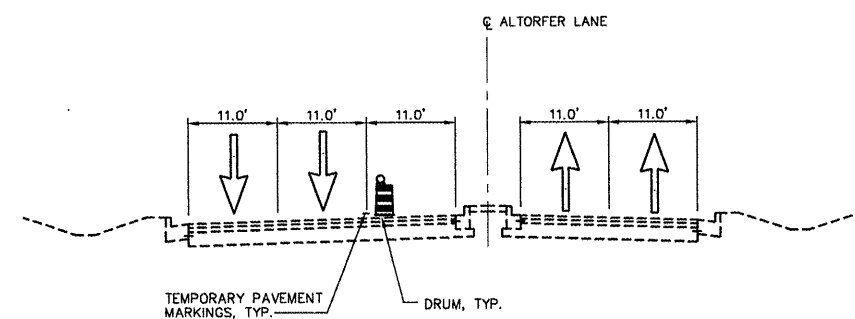


**MEDIUM ISLAND DETAIL**  
SCALE: NTS

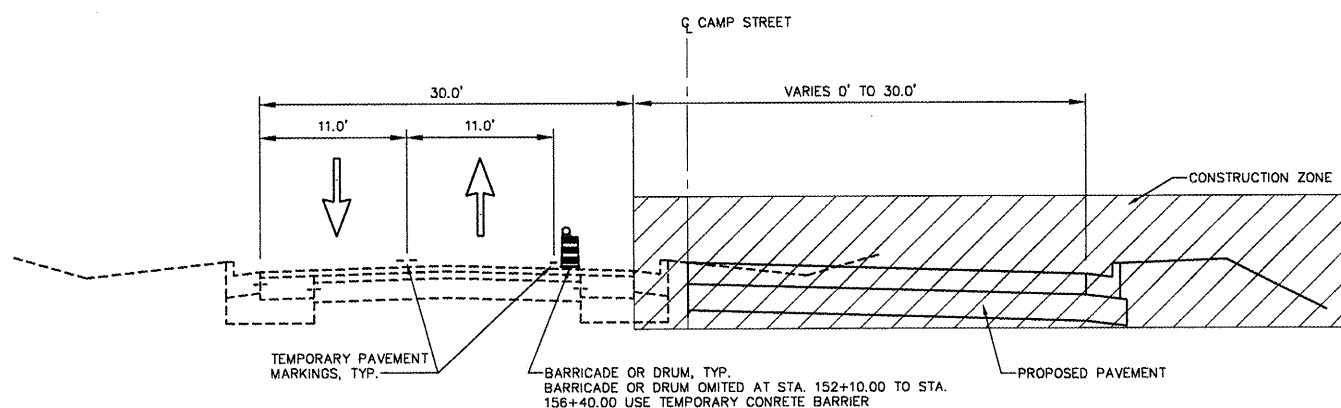
SCALES:  
1" = 20' HOR  
1" = 5' VER

**CAMP STREET - PLAN AND PROFILE - STA. 152+00 TO STA. 158+00**

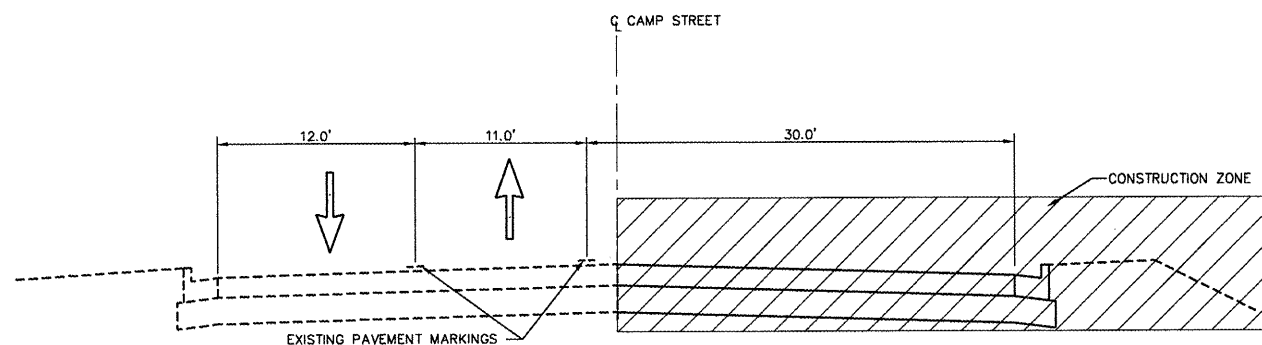
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	18
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



**TYPICAL SECTION - ALTORFER LN.**  
SCALE: N.T.S.



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 145+50.00 TO STA. 154+72.84



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 154+72.84 TO STA. 156+10.00

**STAGE 1**

**GENERAL NOTES:**

ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, CHANNELIZING DEVICES, TEMPORARY PAVEMENT MARKINGS, TRAFFIC SIGNALS, AND LIGHTING DEVICES ALONG WITH THE PLAN TO MAINTAIN TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES", "HIGHWAY STANDARDS" AND OTHER APPLICABLE IDOT MANUALS AND POLICIES.

NIGHT TIME LANE CLOSURES ARE NOT ALLOWED.

ACCESS TO ENTRANCES AND LOCAL ROADS WITHIN THE PROJECT AREA WILL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN TRAFFIC NOTES.

DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE MAINTAINED AT ALL TIMES.

ALL TEMPORARY PAVEMENT MARKINGS FOR STAGES 1, 2, SUBSTAGE 2A AND SUBSTAGE 2B INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC SIGNAL HEAD ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC NOTES:**

SHIFT TRAFFIC AS SHOWN ON THE PLANS UTILIZING TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHOWN ON THE STAGING PLANS AND APPLICABLE TRAFFIC CONTROL STANDARDS.

MAINTAIN ONE (1) LANE OF TRAFFIC IN EACH DIRECTION WHILE MAINTAINING ACCESS TO ALL ENTRANCES AND EXITS AS SHOWN ON THE STAGING PLANS.

UTILIZE TRAFFIC CONTROL STANDARDS AS SHOWN ON THE STAGING PLANS.

**CONSTRUCTION SEQUENCE OF STAGING NOTES:**

INSTALL PERMANENT AND TEMPORARY DRAINAGE SYSTEMS AS SHOWN ON THE STAGING PLANS.

ONE TRAFFIC LANE MAY BE CLOSED TO CONSTRUCT THE PROPOSED INLETS AND STORM SEWER AT STA. 150+42.80 HOWEVER TWO WAY TRAFFIC SHALL BE MAINTAINED.

PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE STAGING PLANS AND REMOVE ANY CONFLICTING EXISTING PAVEMENT MARKINGS.

REMOVE EXISTING CURB AND GUTTER.

CONSTRUCT THE PERMANENT PAVEMENT, WIDENING, BRIDGE, AND CURB AND GUTTER AS SHOWN ON THE STAGING PLANS.

CAMP STREET TRAFFIC TO REMAIN ON EXISTING PAVEMENT WITH ONE (1) LANE OPEN IN BOTH DIRECTIONS AT ALL TIMES.

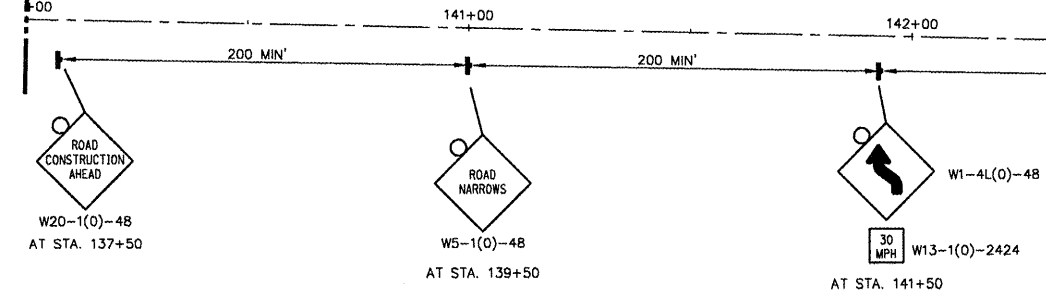
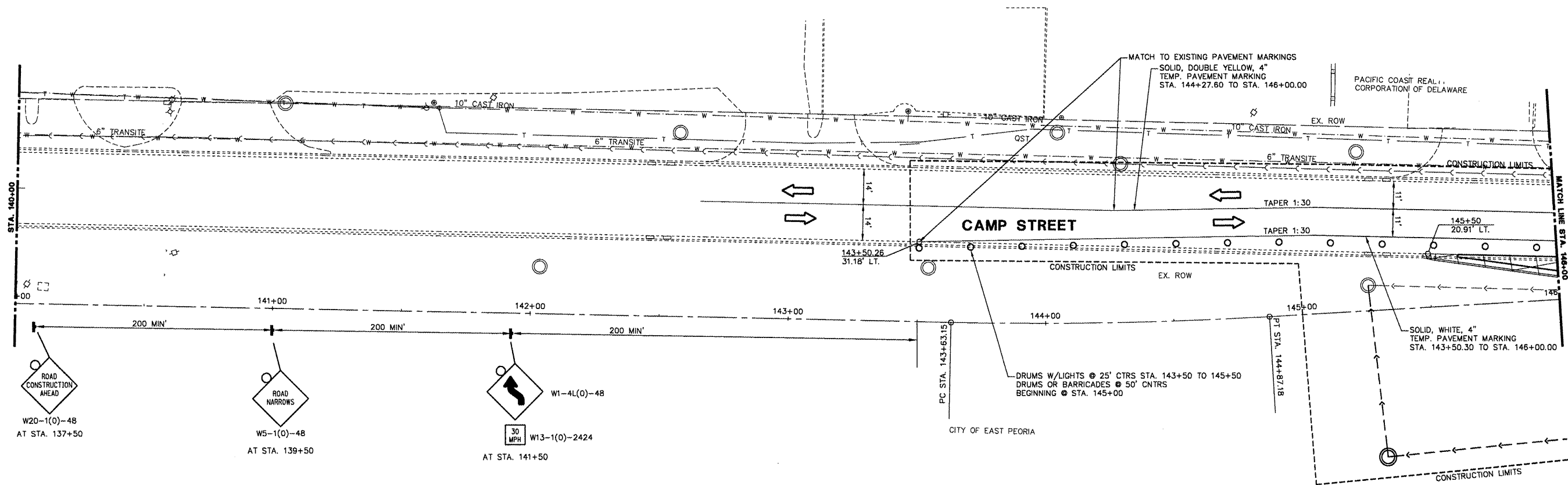
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS  
STAGE 1

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

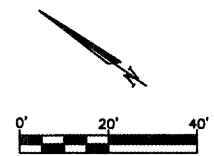
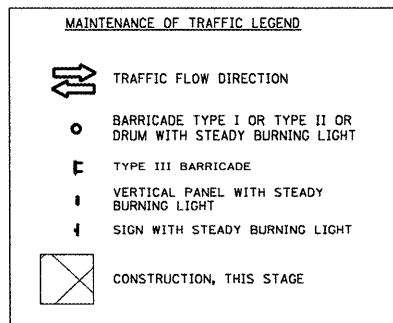
DRAWN BY JLT  
CHECKED BY CSA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	19
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



- NOTES:**
1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
  2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
  3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
  4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
  5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
  6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
  7. ALL TEMPORARY PAVEMENT MARKINGS INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

- TRAFFIC CONTROL HIGHWAY STANDARDS**
- 701101
  - 701106
  - 701301
  - 701802
  - 701901



REVISIONS	
NAME	DATE

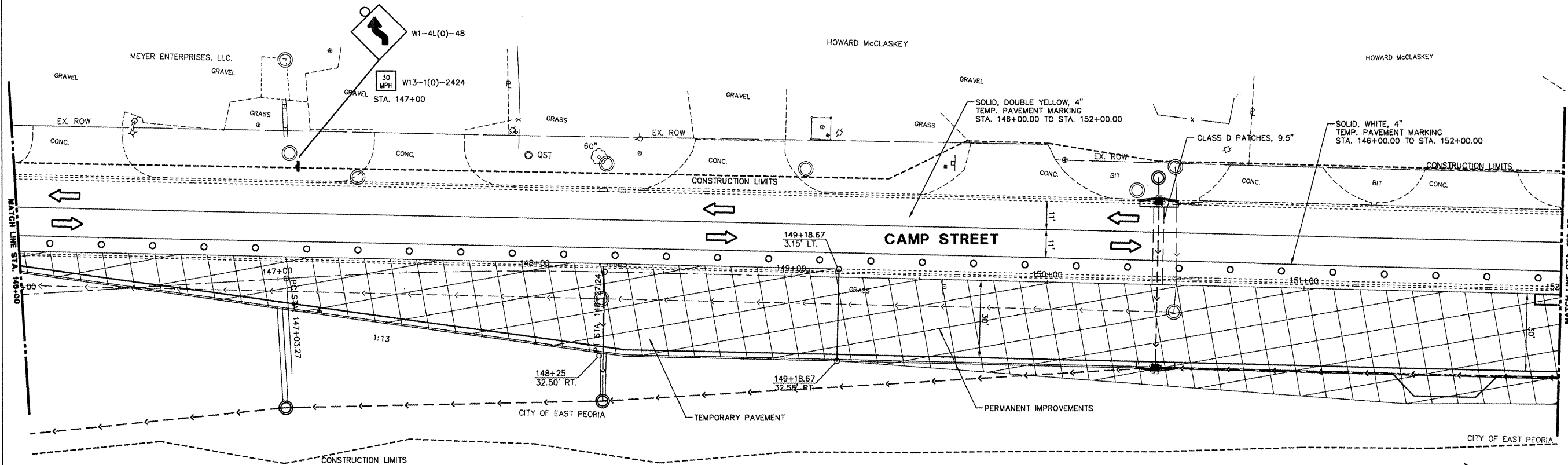
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 1**  
**STA. 140+00 TO STA. 146+00**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	20
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



**NOTES:**

1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
7. ALL TEMPORARY PAVEMENT MARKINGS INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC CONTROL HIGHWAY STANDARDS**

- 701101
- 701106
- 701301
- 701602
- 701901

**MAINTENANCE OF TRAFFIC LEGEND**

- TRAFFIC FLOW DIRECTION
- BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- SIGN WITH STEADY BURNING LIGHT
- CONSTRUCTION, THIS STAGE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 MAINTENANCE OF TRAFFIC  
 STAGE 1  
 STA. 146+00 TO STA. 152+00

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

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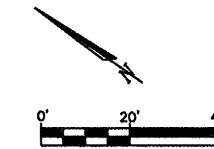
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	21
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

TRAFFIC CONTROL HIGHWAY STANDARDS

- 701101
- 701105
- 701301
- 701602
- 701901
- 704001

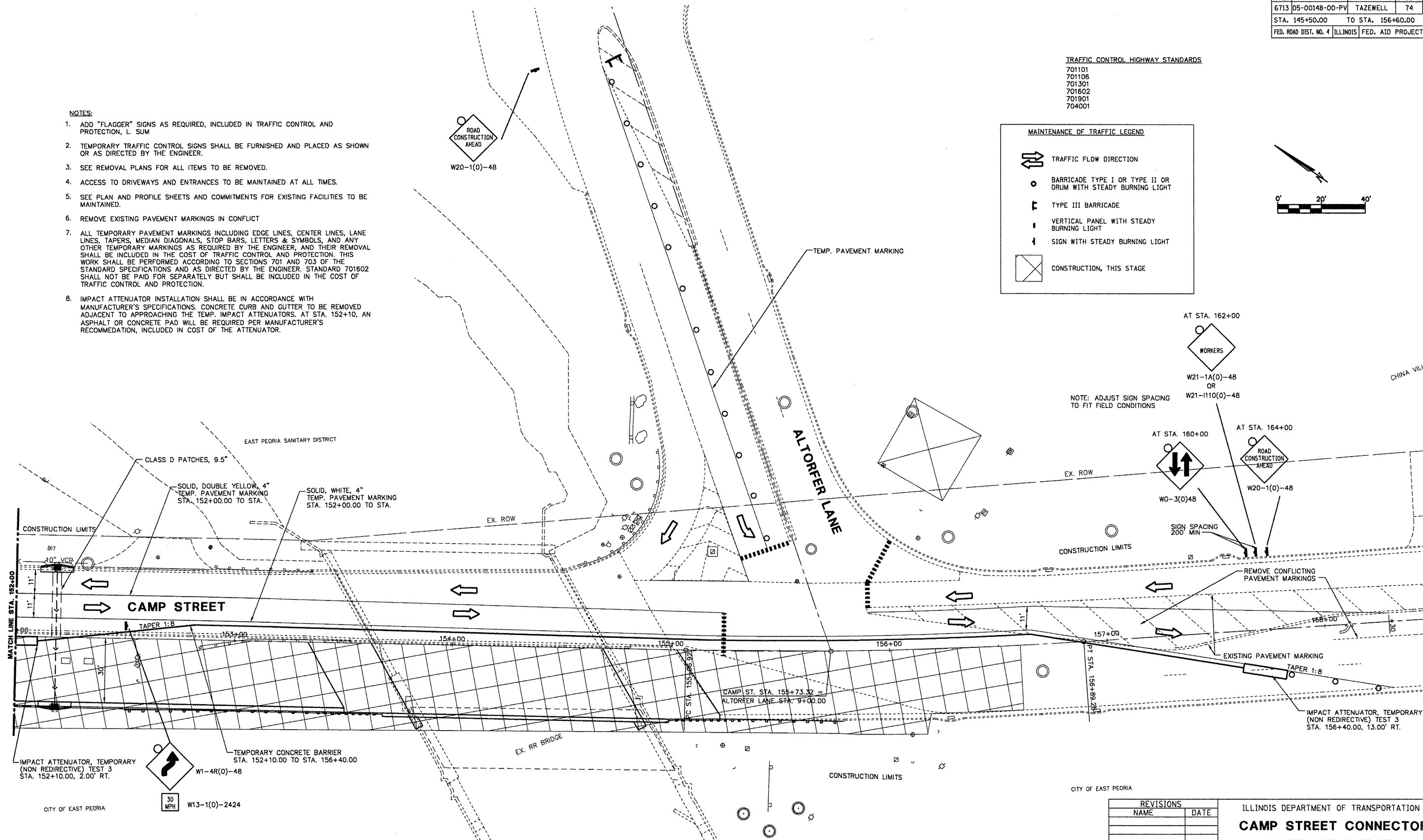
MAINTENANCE OF TRAFFIC LEGEND

- TRAFFIC FLOW DIRECTION
- BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- SIGN WITH STEADY BURNING LIGHT
- CONSTRUCTION, THIS STAGE



NOTES:

1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT
7. ALL TEMPORARY PAVEMENT MARKINGS INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
8. IMPACT ATTENUATOR INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. CONCRETE CURB AND GUTTER TO BE REMOVED ADJACENT TO APPROACHING THE TEMP. IMPACT ATTENUATORS. AT STA. 152+10, AN ASPHALT OR CONCRETE PAD WILL BE REQUIRED PER MANUFACTURER'S RECOMMENDATION, INCLUDED IN COST OF THE ATTENUATOR.



CITY OF EAST PEORIA

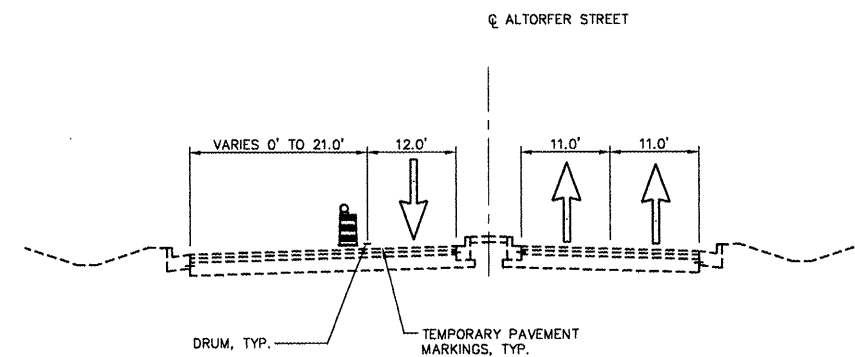
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 MAINTENANCE OF TRAFFIC  
 STAGE 1  
 STA. 152+00 TO STA. 158+00

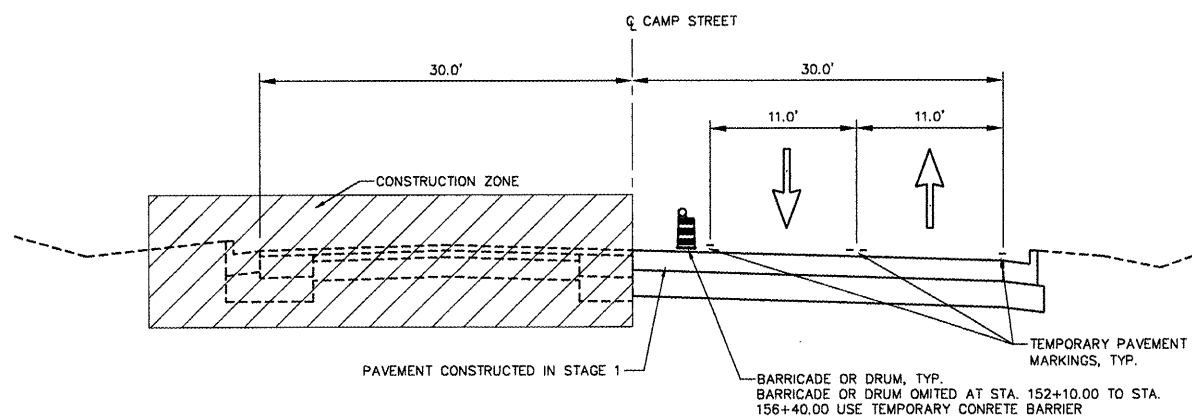
SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

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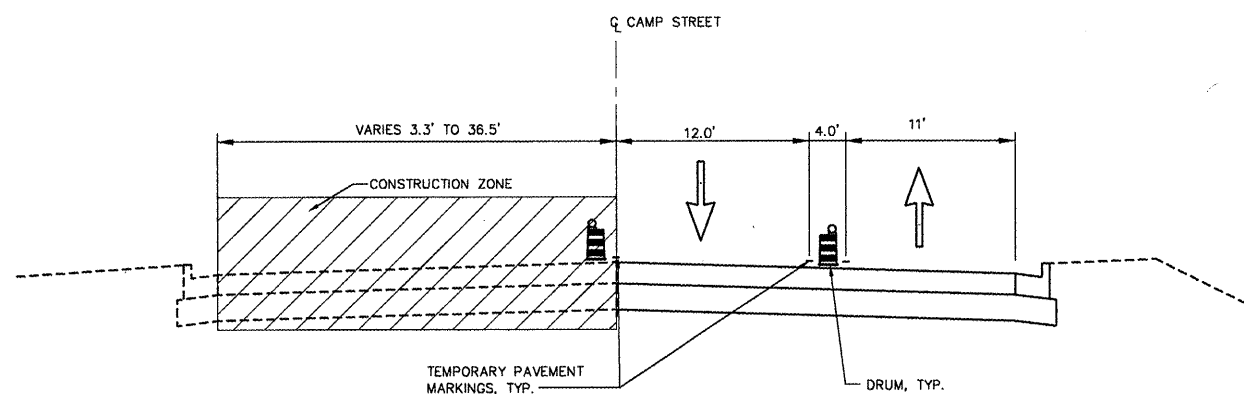
F.A.I.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	22
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



**TYPICAL SECTION - ALTORFER LN.**  
SCALE: N.T.S.



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 145+50.00 TO STA. 155+02.98



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 155+02.98 TO STA. 156+82.00

**STAGE 2**

**GENERAL NOTES:**

ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, CHANNELIZING DEVICES, TEMPORARY PAVEMENT MARKINGS AND LIGHTING DEVICES ALONG WITH THE PLAN TO MAINTAIN TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES", "HIGHWAY STANDARDS" AND OTHER APPLICABLE IDOT MANUALS AND POLICIES.

NIGHT TIME LANE CLOSURES ARE NOT ALLOWED.

DAY TIME LANE CLOSURES ARE NOT ALLOWED.

ACCESS TO ENTRANCES AND LOCAL ROADS WITHIN THE PROJECT AREA WILL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN TRAFFIC NOTES.

TEMPORARY BITUMINOUS PAVEMENT TO CONSIST OF AGGREGATE BASE COURSE, TYPE B 4" AND BITUMINOUS BASE COURSE 10".

TEMPORARY BITUMINOUS BUILD UPS TO BE BITUMINOUS CONCRETE BINDER COURSE, HOT-MIX ASPHALT, IL 19.0, N70.  
TEMPORARY BITUMINOUS BUILD UPS SHALL BE CONSTRUCTED WITH SLOPES OF 1:20 MAXIMUM.

DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE MAINTAINED AT ALL TIMES.

ALL TEMPORARY PAVEMENT MARKINGS FOR STAGES 1, 2, SUBSTAGE 2A AND SUBSTAGE 2B, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701.331. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC SIGNAL HEAD ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC NOTES:**

SHIFT TRAFFIC AS SHOWN ON THE PLANS UTILIZING TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHOWN ON THE STAGING PLANS AND APPLICABLE TRAFFIC CONTROL STANDARDS.

MAINTAIN ONE (1) LANE OF TRAFFIC IN EACH DIRECTION WHILE MAINTAINING ACCESS TO ALL ENTRANCES AND EXITS AS SHOWN ON THE STAGING PLANS.

UTILIZE TRAFFIC CONTROL STANDARDS AS SHOWN ON THE STAGING PLANS.

**CONSTRUCTION SEQUENCE OF STAGING NOTES:**

ADJUST SIGNAL HEADS TO MATCH NEW LANE GEOMETRICS.

INSTALL PERMANENT AND TEMPORARY DRAINAGE SYSTEMS AS SHOWN ON THE STAGING PLANS.

PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE STAGING PLANS AND REMOVE ANY CONFLICTING EXISTING PAVEMENT MARKINGS.

REMOVE EXISTING CURB AND GUTTER AND PAVEMENT.

CONSTRUCT THE PERMANENT PAVEMENT, CURB AND GUTTER, AND ENTRANCES AS SHOWN ON THE STAGING PLANS.

CONSTRUCT DITCHING AND STORM SEWER AS SHOWN ON THE STAGING PLANS.

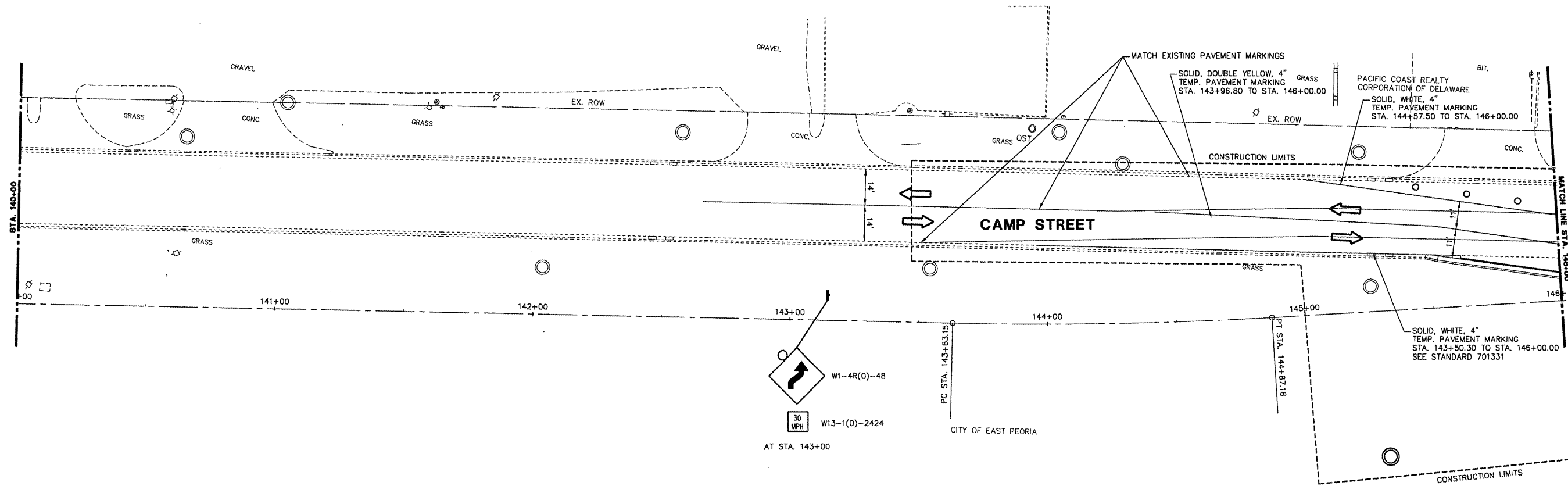
DO NOT PLACE THE HOT-MIX ASPHALT SURFACE COURSE BETWEEN STA. 155+01.14 TO STA. 156+52.40 UNTIL AFTER SUBSTAGE 2A HAS BEEN COMPLETED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 MAINTENANCE OF TRAFFIC  
 TYPICAL SECTIONS  
 STAGE 2  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	23
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4   ILLINOIS FED. AID PROJECT				

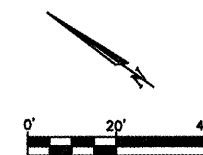


- NOTES:**
1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
  2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER. SIGN SPACING MAY BE REDUCED TO 200' MIN.
  3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
  4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
  5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
  6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
  7. ALL TEMPORARY PAVEMENT MARKINGS, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC CONTROL HIGHWAY STANDARDS**

- 701101
- 701106
- 701301
- 701602
- 701901

MAINTENANCE OF TRAFFIC LEGEND	
	TRAFFIC FLOW DIRECTION
	BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
	TYPE III BARRICADE
	VERTICAL PANEL WITH STEADY BURNING LIGHT
	SIGN WITH STEADY BURNING LIGHT
	CONSTRUCTION, THIS STAGE



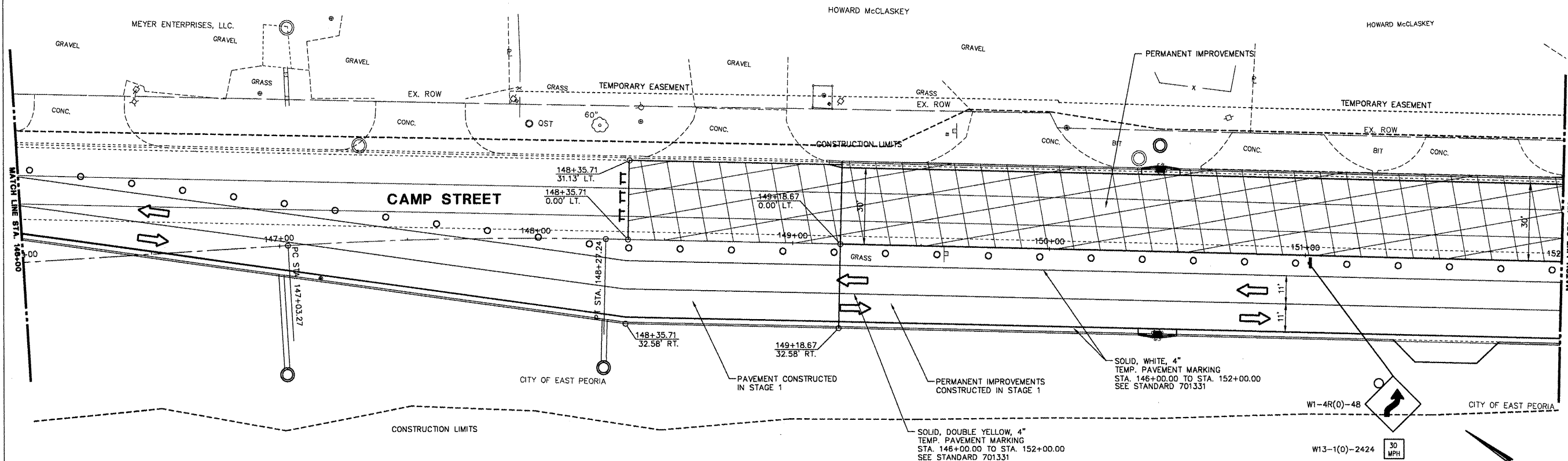
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**MAINTENANCE OF TRAFFIC**  
**STAGE 2**  
**STA. 140+00 TO STA. 146+00**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	24
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



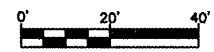
**NOTES:**

1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER. SIGN SPACING MAY BE REDUCED TO 200' MIN.
3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
7. ALL TEMPORARY PAVEMENT MARKINGS, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**MAINTENANCE OF TRAFFIC LEGEND**

- TRAFFIC FLOW DIRECTION
- BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- SIGN WITH STEADY BURNING LIGHT
- CONSTRUCTION, THIS STAGE

TRAFFIC CONTROL HIGHWAY STANDARDS  
 701101  
 701106  
 701301  
 701602  
 701901



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 MAINTENANCE OF TRAFFIC  
 STAGE 2  
 STA. 146+00 TO STA. 152+00  
 SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008  
 DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	25
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

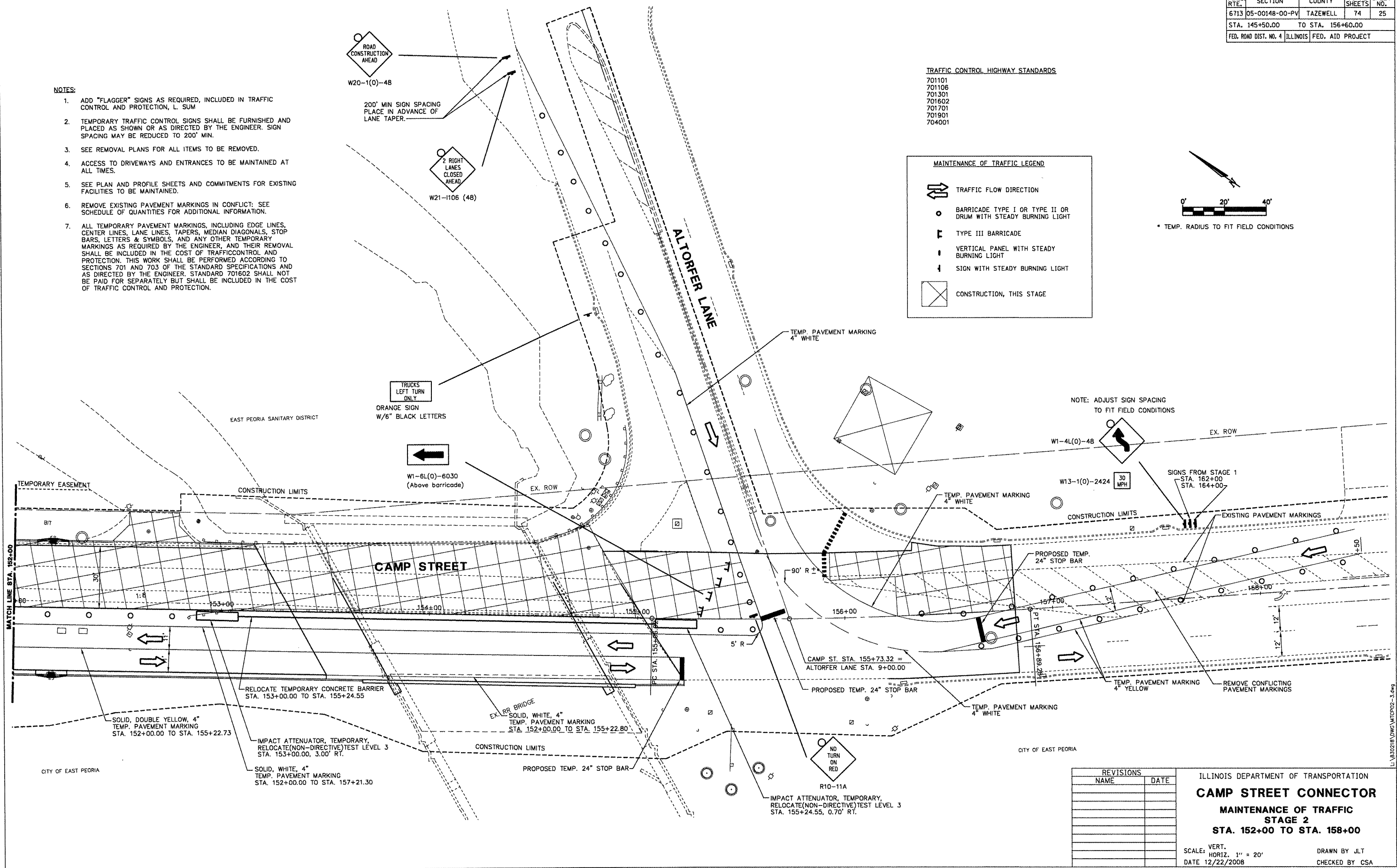
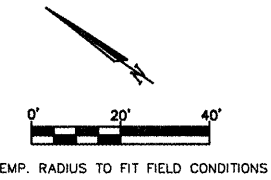
- NOTES:**
1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
  2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER. SIGN SPACING MAY BE REDUCED TO 200' MIN.
  3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
  4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
  5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
  6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT; SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
  7. ALL TEMPORARY PAVEMENT MARKINGS, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC CONTROL HIGHWAY STANDARDS**

- 701101
- 701106
- 701301
- 701602
- 701701
- 701901
- 704001

**MAINTENANCE OF TRAFFIC LEGEND**

- TRAFFIC FLOW DIRECTION
- BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- SIGN WITH STEADY BURNING LIGHT
- CONSTRUCTION, THIS STAGE



NOTE: ADJUST SIGN SPACING TO FIT FIELD CONDITIONS

SIGNS FROM STAGE 1  
STA. 162+00  
STA. 164+00

REMOVE CONFLICTING PAVEMENT MARKINGS

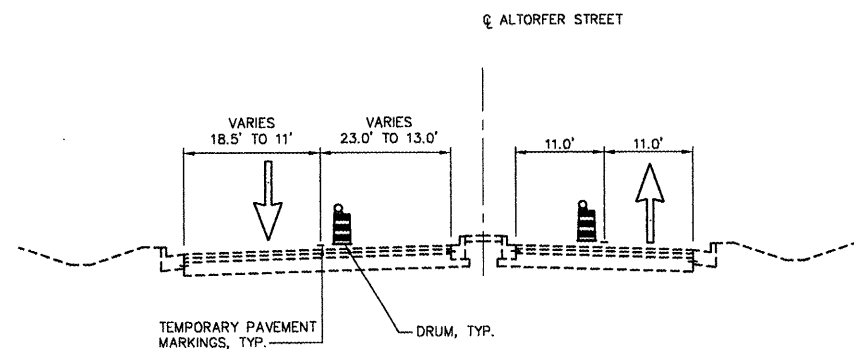
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
MAINTENANCE OF TRAFFIC  
STAGE 2  
STA. 152+00 TO STA. 158+00

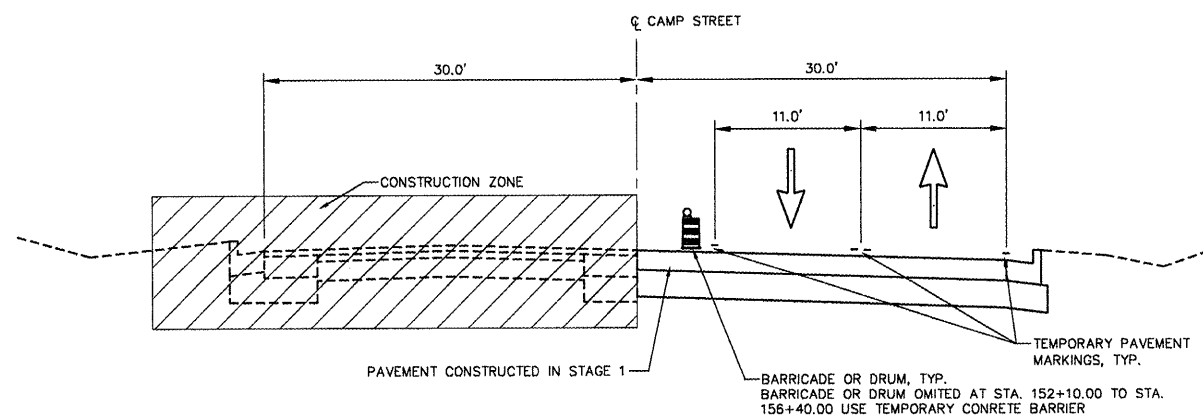
SCALE: VERT. 1" = 20'  
HORIZ. 1" = 20'  
DATE 12/22/2008

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CHECKED BY CSA

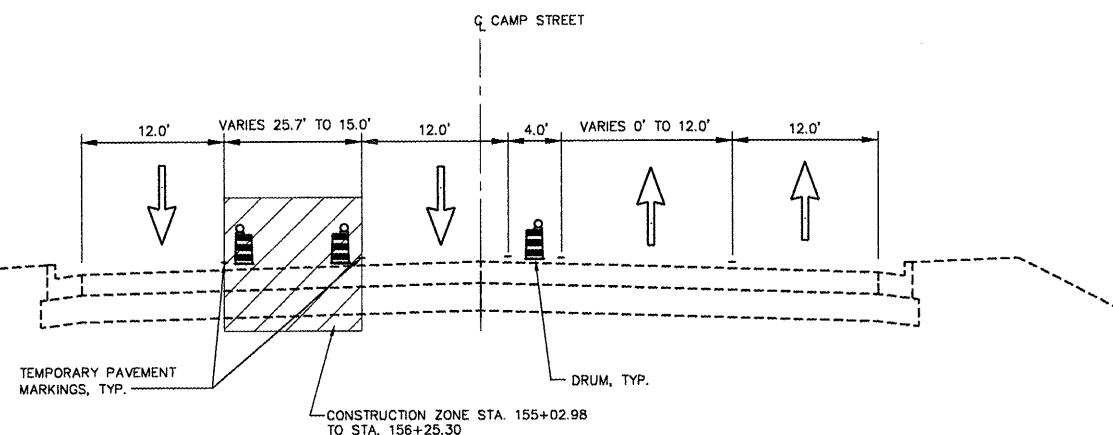
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	26
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



**TYPICAL SECTION - ALTORFER LN.**  
SCALE: N.T.S.



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 145+50.00 TO STA. 155+02.98



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 155+02.98 TO STA. 156+25.30

**SUBSTAGE 2A**

**GENERAL NOTES:**

ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, CHANNELIZING DEVICES, TEMPORARY PAVEMENT MARKINGS AND LIGHTING DEVICES ALONG WITH THE PLAN TO MAINTAIN TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES", "HIGHWAY STANDARDS" AND OTHER APPLICABLE IDOT MANUALS AND POLICIES.

NIGHT TIME LANE CLOSURES ARE NOT ALLOWED.

DAY TIME LANE CLOSURES ARE NOT ALLOWED.

ACCESS TO ENTRANCES AND LOCAL ROADS WITHIN THE PROJECT AREA WILL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN TRAFFIC NOTES.

TEMPORARY BITUMINOUS PAVEMENT TO CONSIST OF AGGREGATE BASE COURSE, TYPE B 4" AND BITUMINOUS BASE COURSE 10".

TEMPORARY BITUMINOUS BUILD UPS TO BE BITUMINOUS CONCRETE BINDER COURSE, HOT-MIX ASPHALT, IL 19.0, N70.  
TEMPORARY BITUMINOUS BUILD UPS SHALL BE CONSTRUCTED WITH SLOPES OF 1:20 MAXIMUM.

DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE MAINTAINED AT ALL TIMES.

ALL TEMPORARY PAVEMENT MARKINGS FOR STAGES 1, 2, SUBSTAGE 2A, AND SUBSTAGE 2B, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701.331. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC SIGNAL HEAD ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC NOTES:**

SHIFT TRAFFIC AS SHOWN ON THE PLANS UTILIZING TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHOWN ON THE STAGING PLANS AND APPLICABLE TRAFFIC CONTROL STANDARDS.

MAINTAIN ONE (1) LANE OF TRAFFIC IN EACH DIRECTION WHILE MAINTAINING ACCESS TO ALL ENTRANCES AND EXITS AS SHOWN ON THE STAGING PLANS.

UTILIZE TRAFFIC CONTROL STANDARDS AS SHOWN ON THE STAGING PLANS.

**CONSTRUCTION SEQUENCE OF STAGING NOTES:**

ADJUST SIGNAL HEADS TO MATCH NEW LANE GEOMETRICS.

INSTALL PERMANENT AND TEMPORARY DRAINAGE SYSTEMS AS SHOWN ON THE STAGING PLANS.

PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE STAGING PLANS AND REMOVE ANY CONFLICTING EXISTING PAVEMENT MARKINGS.

REMOVE EXISTING CURB AND GUTTER AND PAVEMENT.

CONSTRUCT THE PERMANENT PAVEMENT, CURB AND GUTTER, AND ENTRANCES AS SHOWN ON THE STAGING PLANS.

CONSTRUCT DITCHING AND STORM SEWER AS SHOWN ON THE STAGING PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS  
SUBSTAGE 2A

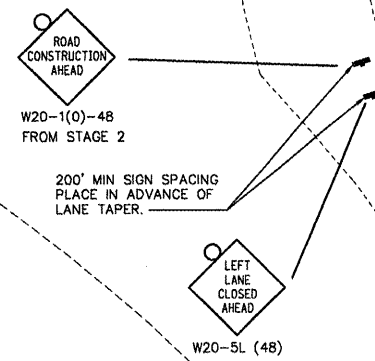
SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	27
STA. 145+50.00 TO STA. 156+60.00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

**NOTES:**

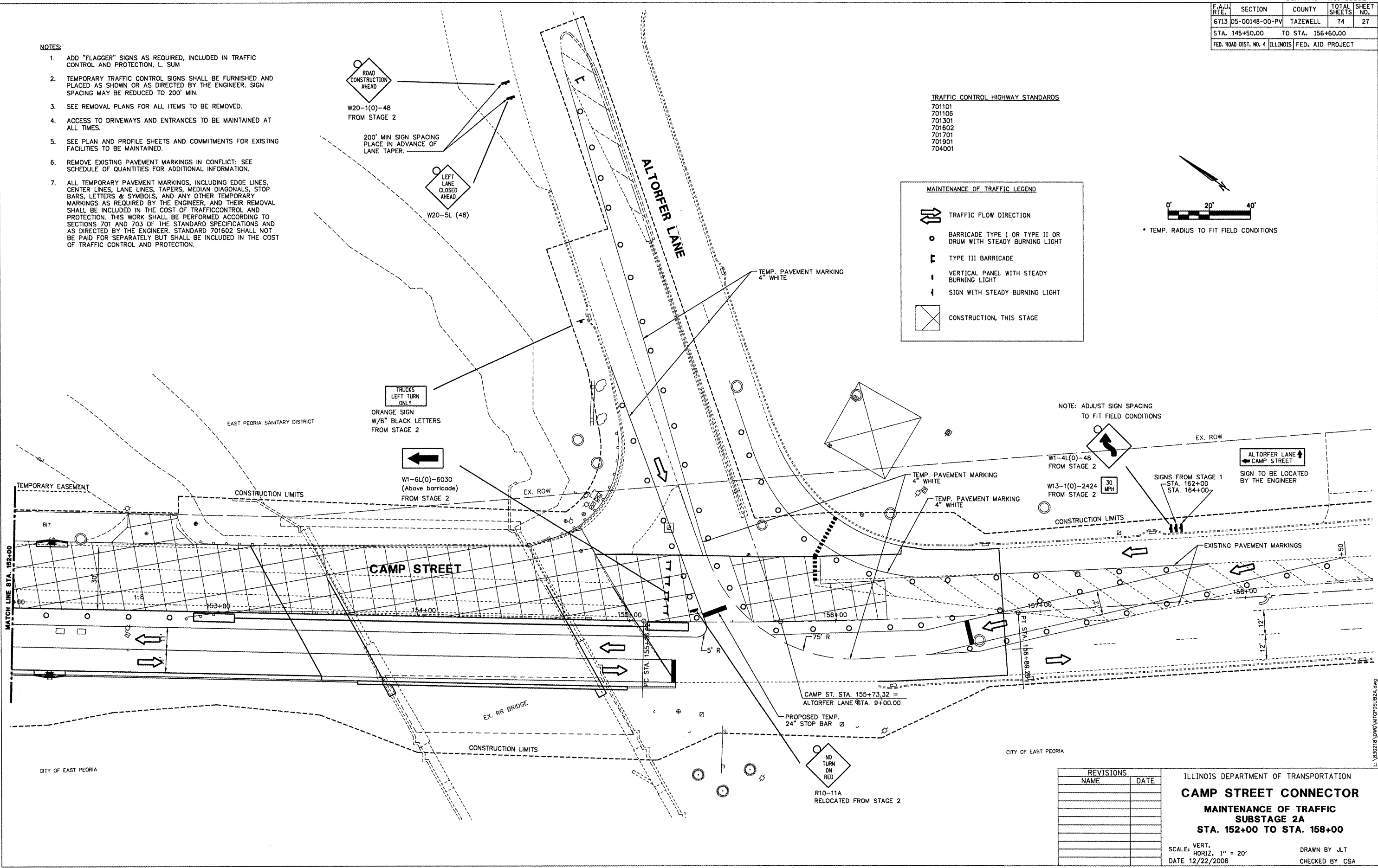
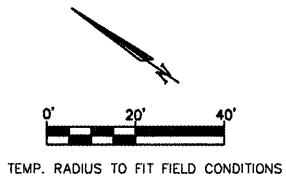
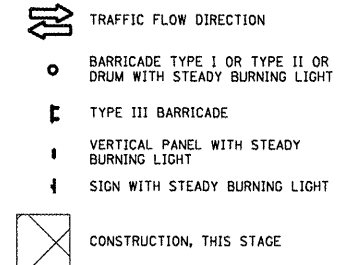
1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER. SIGN SPACING MAY BE REDUCED TO 200' MIN.
3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
7. ALL TEMPORARY PAVEMENT MARKINGS, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.



**TRAFFIC CONTROL HIGHWAY STANDARDS**

- 701101
- 701106
- 701301
- 701602
- 701701
- 701901
- 704001

**MAINTENANCE OF TRAFFIC LEGEND**



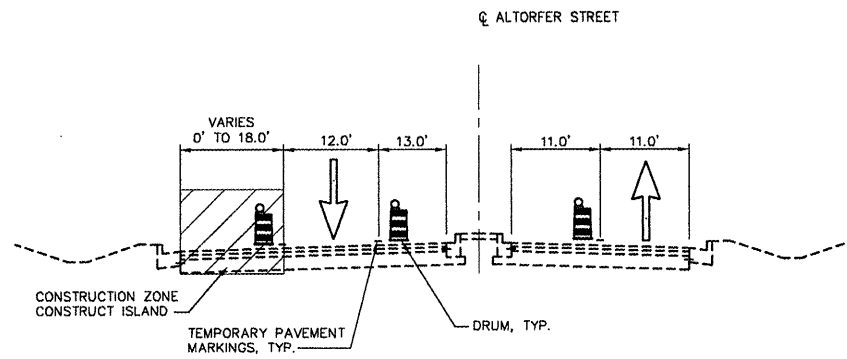
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**MAINTENANCE OF TRAFFIC**  
**SUBSTAGE 2A**  
**STA. 152+00 TO STA. 158+00**

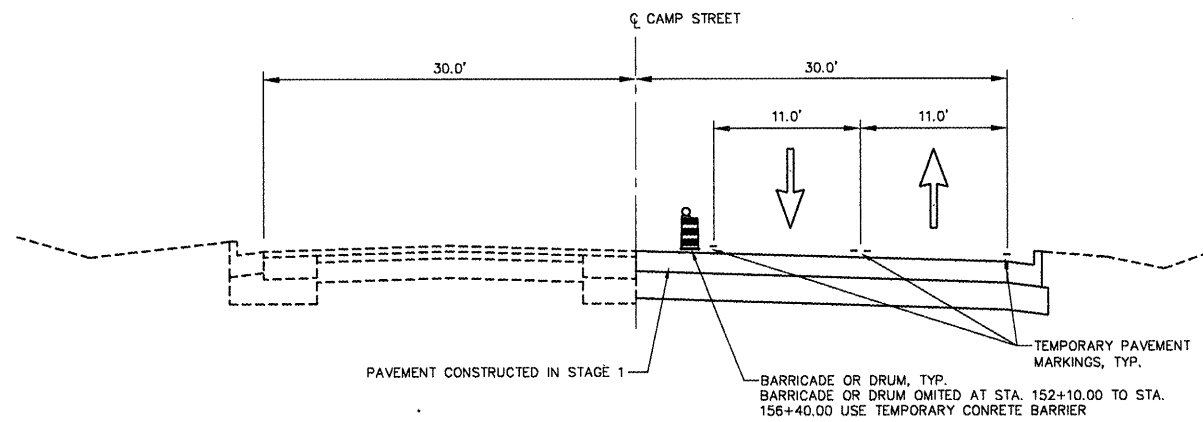
SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

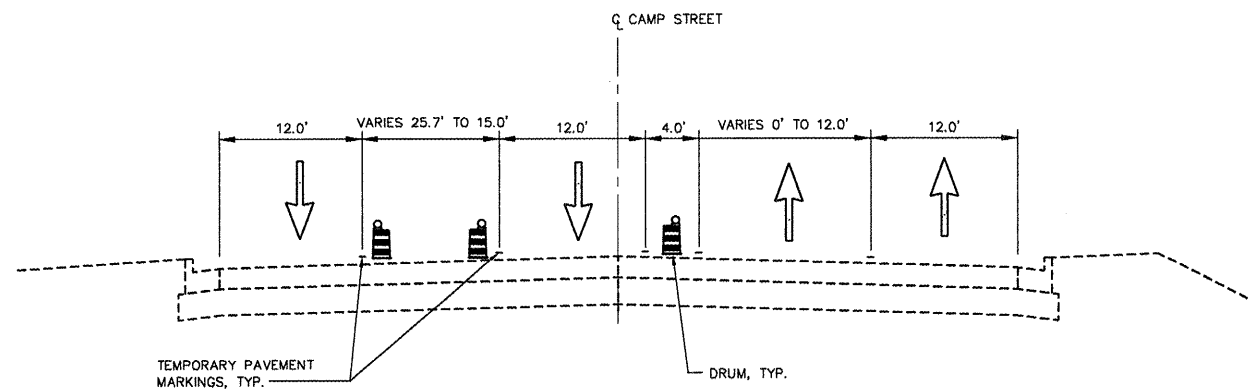
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	28
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



**TYPICAL SECTION - ALTORFER LN.**  
SCALE: N.T.S.



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 145+50.00 TO STA. 155+02.98



**TYPICAL SECTION - CAMP ST.**  
SCALE: N.T.S.  
STA. 155+02.98 TO STA. 156+25.30

**SUBSTAGE 2B**

**GENERAL NOTES:**

ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, CHANNELIZING DEVICES, TEMPORARY PAVEMENT MARKINGS AND LIGHTING DEVICES ALONG WITH THE PLAN TO MAINTAIN TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES", "HIGHWAY STANDARDS" AND OTHER APPLICABLE IDOT MANUALS AND POLICIES.

NIGHT TIME LANE CLOSURES ARE NOT ALLOWED.

DAY TIME LANE CLOSURES ARE NOT ALLOWED.

ACCESS TO ENTRANCES AND LOCAL ROADS WITHIN THE PROJECT AREA WILL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SPECIFIED IN TRAFFIC NOTES.

TEMPORARY BITUMINOUS PAVEMENT TO CONSIST OF AGGREGATE BASE COURSE, TYPE B 4" AND BITUMINOUS BASE COURSE 10".

TEMPORARY BITUMINOUS BUILD UPS TO BE BITUMINOUS CONCRETE BINDER COURSE, HOT-MIX ASPHALT, IL 19.0, N70.  
TEMPORARY BITUMINOUS BUILD UPS SHALL BE CONSTRUCTED WITH SLOPES OF 1:20 MAXIMUM.

DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE MAINTAINED AT ALL TIMES.

ALL TEMPORARY PAVEMENT MARKINGS FOR STAGES 1, 2, SUBSTAGE 2A, AND SUBSTAGE 2B, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701331. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC SIGNAL HEAD ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

**TRAFFIC NOTES:**

SHIFT TRAFFIC AS SHOWN ON THE PLANS UTILIZING TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHOWN ON THE STAGING PLANS AND APPLICABLE TRAFFIC CONTROL STANDARDS.

MAINTAIN ONE (1) LANE OF TRAFFIC IN EACH DIRECTION WHILE MAINTAINING ACCESS TO ALL ENTRANCES AND EXITS AS SHOWN ON THE STAGING PLANS.

UTILIZE TRAFFIC CONTROL STANDARDS AS SHOWN ON THE STAGING PLANS.

**CONSTRUCTION SEQUENCE OF STAGING NOTES:**

ADJUST SIGNAL HEADS TO MATCH NEW LANE GEOMETRICS.

INSTALL PERMANENT AND TEMPORARY DRAINAGE SYSTEMS AS SHOWN ON THE STAGING PLANS.

PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE STAGING PLANS AND REMOVE ANY CONFLICTING EXISTING PAVEMENT MARKINGS.

REMOVE EXISTING CURB AND GUTTER AND PAVEMENT.

CONSTRUCT THE PERMANENT PAVEMENT, CURB AND GUTTER, AND ENTRANCES AS SHOWN ON THE STAGING PLANS.

CONSTRUCT DITCHING AND STORM SEWER AS SHOWN ON THE STAGING PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS  
SUBSTAGE 2B

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	29
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

**NOTES:**

1. ADD "FLAGGER" SIGNS AS REQUIRED, INCLUDED IN TRAFFIC CONTROL AND PROTECTION, L. SUM
2. TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE FURNISHED AND PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER. SIGN SPACING MAY BE REDUCED TO 200' MIN.
3. SEE REMOVAL PLANS FOR ALL ITEMS TO BE REMOVED.
4. ACCESS TO DRIVEWAYS AND ENTRANCES TO BE MAINTAINED AT ALL TIMES.
5. SEE PLAN AND PROFILE SHEETS AND COMMITMENTS FOR EXISTING FACILITIES TO BE MAINTAINED.
6. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT: SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.
7. ALL TEMPORARY PAVEMENT MARKINGS, INCLUDING EDGE LINES, CENTER LINES, LANE LINES, TAPERS, MEDIAN DIAGONALS, STOP BARS, LETTERS & SYMBOLS, AND ANY OTHER TEMPORARY MARKINGS AS REQUIRED BY THE ENGINEER, AND THEIR REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL BE PERFORMED ACCORDING TO SECTIONS 701 AND 703 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. STANDARD 701602 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.



W20-1(O)-4B  
FROM STAGE 2

200' MIN SIGN SPACING  
PLACE IN ADVANCE OF  
LANE TAPER.



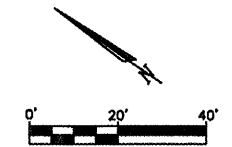
W20-5R (48)

**TRAFFIC CONTROL HIGHWAY STANDARDS**

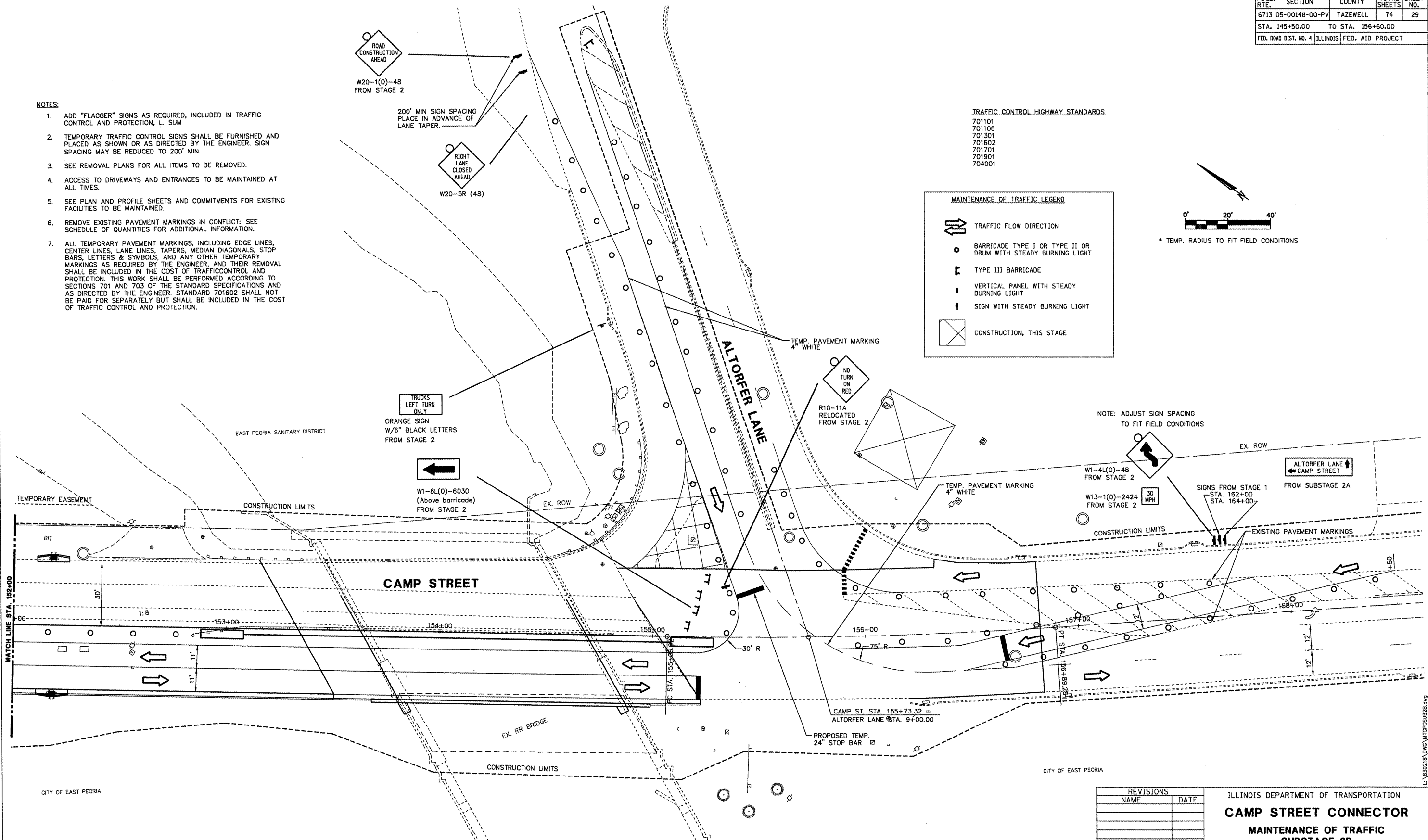
- 701101
- 701106
- 701301
- 701602
- 701701
- 701901
- 704001

**MAINTENANCE OF TRAFFIC LEGEND**

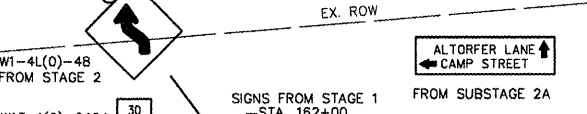
- TRAFFIC FLOW DIRECTION
- BARRICADE TYPE I OR TYPE II OR DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- SIGN WITH STEADY BURNING LIGHT
- CONSTRUCTION, THIS STAGE



\* TEMP. RADIUS TO FIT FIELD CONDITIONS



NOTE: ADJUST SIGN SPACING TO FIT FIELD CONDITIONS



W1-4L(O)-48  
FROM STAGE 2

W13-1(O)-2424  
FROM STAGE 2

30 MPH

SIGNS FROM STAGE 1  
STA. 162+00  
STA. 164+00

ALTORFER LANE  
← CAMP STREET

EXISTING PAVEMENT MARKINGS

CONSTRUCTION LIMITS

EX. ROW

EX. RR BRIDGE

CITY OF EAST PEORIA

CAMP ST. STA. 155+73.32 =  
ALTORFER LANE STA. 9+00.00

PROPOSED TEMP.  
24\"/>

PC STA. 155+88.28

PT. STA. 156+88.28

157+00

158+00

159+00

160+00

161+00

162+00

163+00

164+00

165+00

166+00

167+00

168+00

169+00

170+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CAMP STREET CONNECTOR**

**MAINTENANCE OF TRAFFIC**

**SUBSTAGE 2B**

**STA. 152+00 TO STA. 158+00**

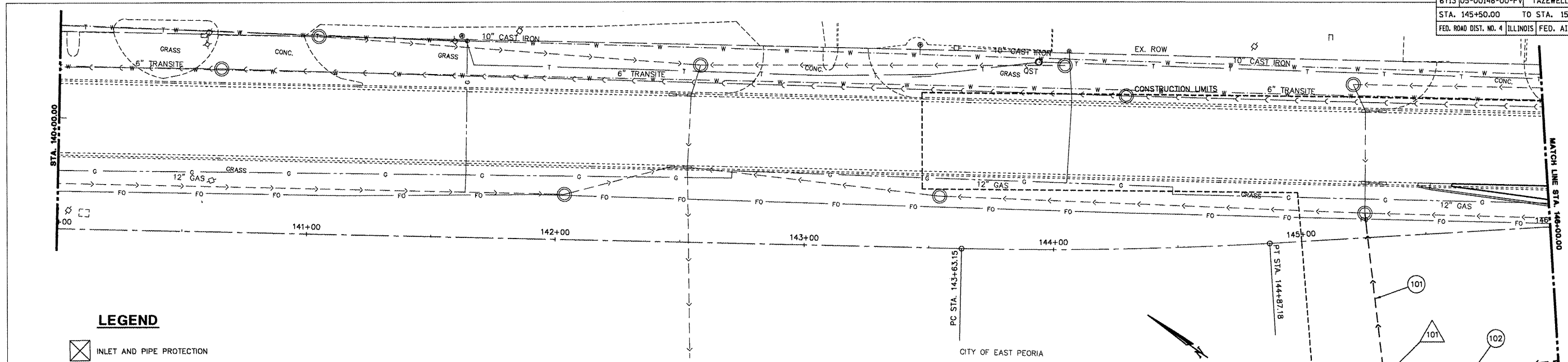
SCALE: VERT. 1" = 20'  
HORIZ. 1" = 20'

DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	30
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

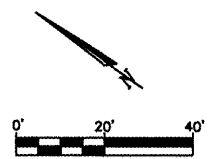


**LEGEND**

- INLET AND PIPE PROTECTION
- INLET FILTERS
- PERIMETER EROSION BARRIER
- STRUCTURE NUMBER
- PIPE NUMBER

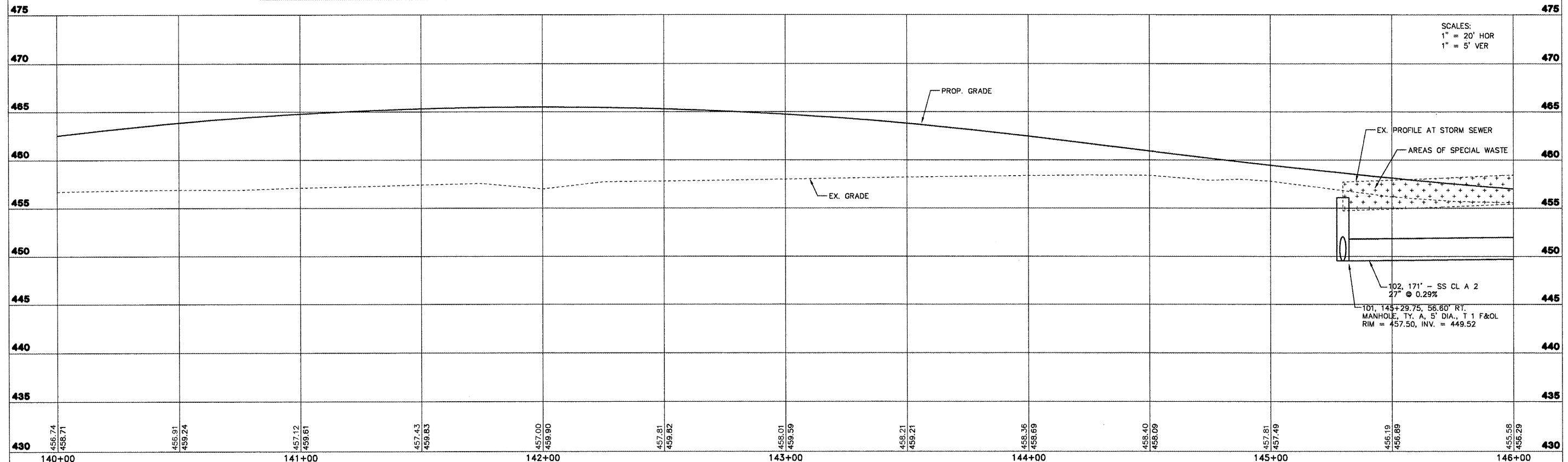
PIPE NO.	U/S - D/S	LENGTH (FT)	SIZE (IN)	CLASS/TYPE	U/S INV	D/S INV	SLOPE	REMARKS
101	101-EX. MH	65	30	SS CL A 2	449.52	449.24	0.43%	
102	102-101	166	27	SS CL A 2	450.00	449.52	0.29%	

**STORM SEWER NOTE:**  
 PROVIDE A KNOCKOUT IN STRUCTURE 101 AT THE ELEVATION SHOWN ON THE SCHEDULE FOR A FUTURE 30" STORM SEWER. THE KNOCKOUT SHOULD BE 90" FROM PIPE 101 AND 180" FROM PIPE 102.



STR. NO.	STATION	OFFSET	RT/LT	TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W	REMARKS
101	STA. 145+29.75	56.60	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 F&G, OPEN	TY 1 OPEN	457.50	449.52	449.52	449.52		INV. N = KNOCKOUT

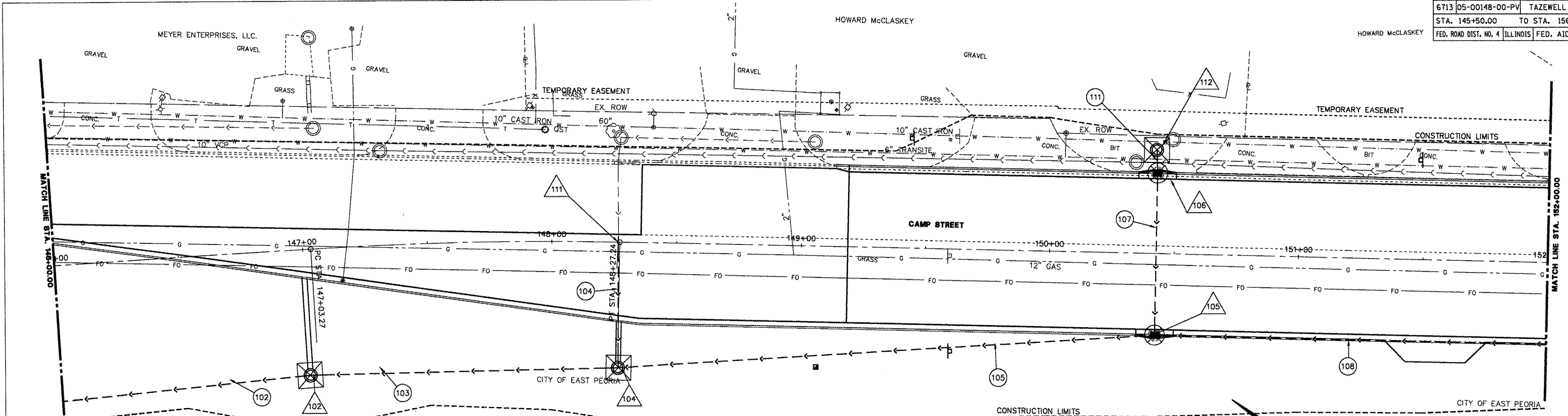
**SPECIAL WASTE NOTE:**  
 WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.



**CAMP STREET - DRAINAGE AND EROSION CONTROL PLAN AND PROFILE - STA. 140+00 TO STA. 146+00**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	31
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

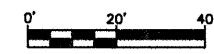


**LEGEND**

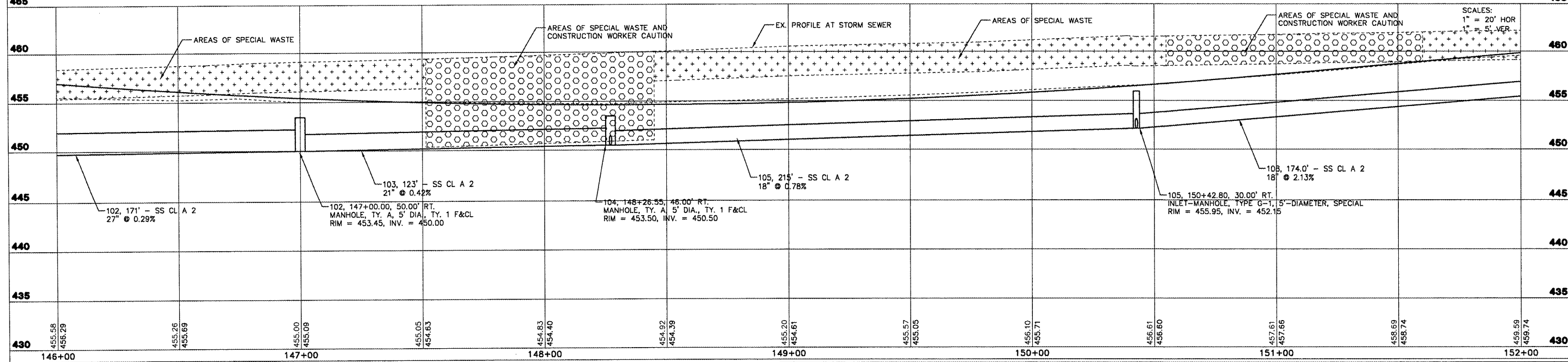
- INLET AND PIPE PROTECTION
- INLET FILTERS
- PERIMETER EROSION BARRIER
- STRUCTURE NUMBER
- PIPE NUMBER

PIPE NO.	U/S - D/S	LENGTH (FT)	SIZE (IN)	CLASS/TYPE	U/S INV	D/S INV	SLOPE	REMARKS
102	102-101	166	27	SS CL A 2	450.00	449.52	0.29%	
103	104-102	119	21	SS CL A 1	450.50	450.00	0.42%	
104	COLLAR-104	51	15	SS CL A 1	451.39	450.50	1.75%	
105	105-104	212	18	SS CL A 1	452.15	450.50	0.78%	
107	106-105	63	12	SS CL A 1	453.00	452.69	0.49%	
108	108-105	172	18	SS CL A 2	455.81	452.15	2.13%	
111	112-106	7	12	SS CL A 1	453.67	453.00	9.57%	

NOTE:  
 WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.



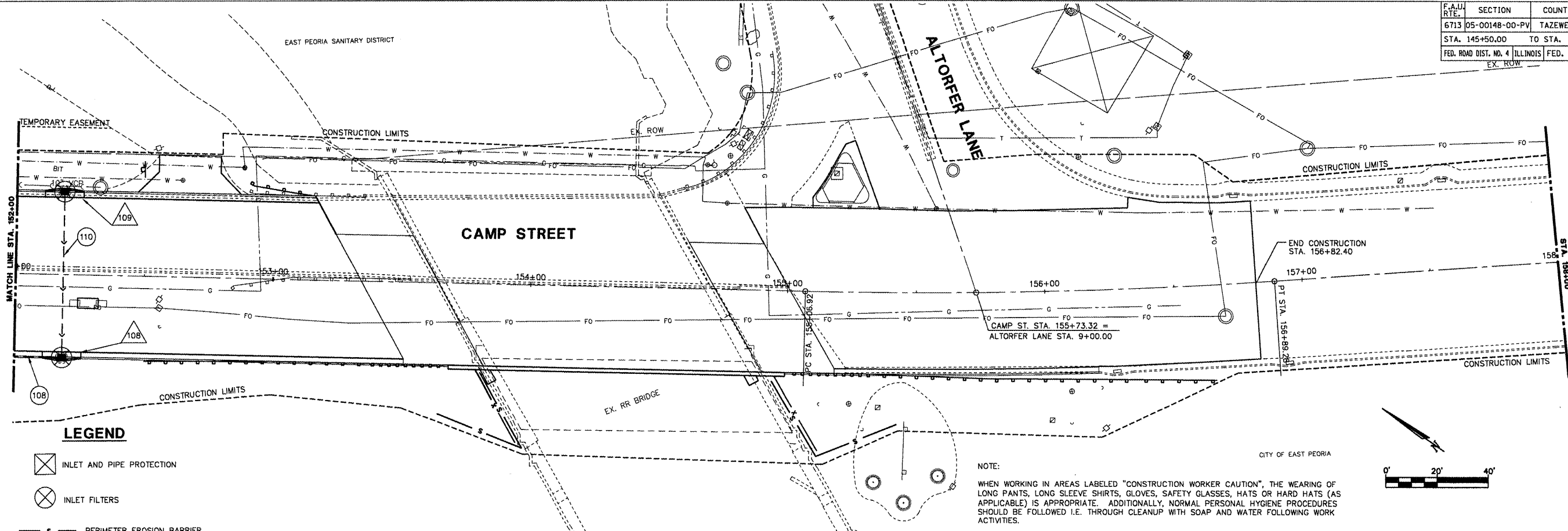
STR. NO.	STATION	OFFSET	RT/LT	TYPE	F&G	RM EL.	INV. N	INV. S	INV. E	INV. W	REMARKS
102	STA. 147+00.00	50.00	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	TY 8	453.45	450.00	450.00			
104	STA. 148+26.55	50.00	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	TY 8	453.50	450.50	450.50	450.50		
105	STA. 150+42.80	30.00	RT	INLET-MANHOLE, TYPE G-1, 5'-DIAMETER, SPECIAL	DIAGONAL	455.95	452.15	452.15	452.69		
106	STA. 150+42.80	30.00	LT	INLET-MANHOLE, TYPE G-1, 5'-DIAMETER, SPECIAL	DIAGONAL	455.95			453.00	453.00	
111	STA. 148+26.77	3.20	LT	CONCRETE COLLAR	-	-				451.39	FIELD VERIFY
112	STA. 150+42.80	41.50	LT	INLET TYPE A WITH TYPE 8 GRATE	TY 8	455.84				453.67	



**CAMP STREET - DRAINAGE AND EROSION CONTROL PLAN AND PROFILE - STA. 146+00 TO STA. 152+00**

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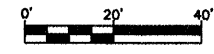
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	32
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



**LEGEND**

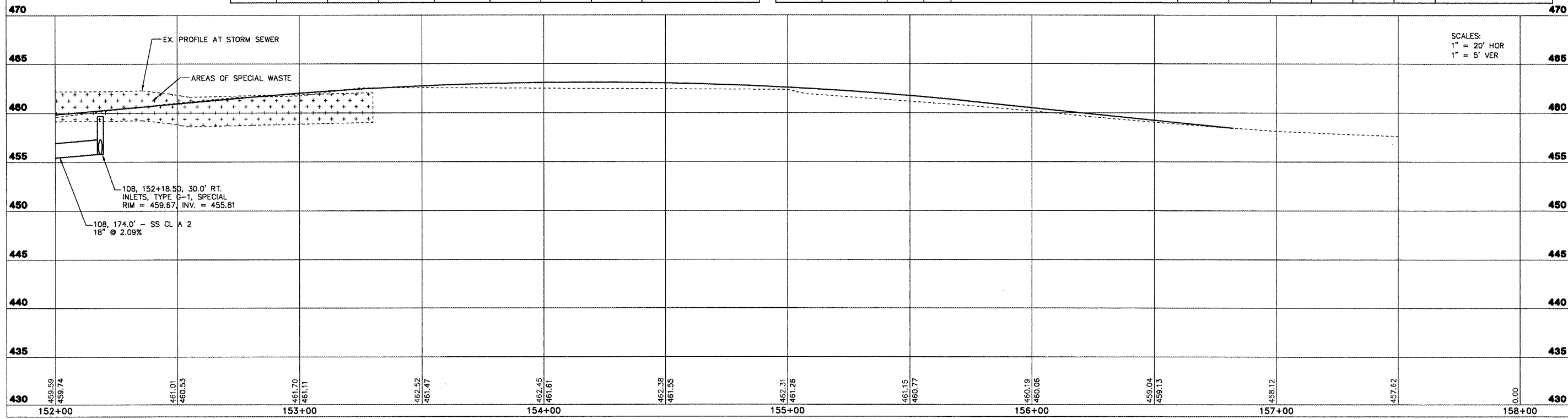
- INLET AND PIPE PROTECTION
- INLET FILTERS
- PERIMETER EROSION BARRIER
- STRUCTURE NUMBER
- PIPE NUMBER

NOTE:  
 WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.



PIPE SCHEDULE								
PIPE NO.	U/S - D/S	LENGTH (FT)	SIZE (IN)	CLASS/TYPE	U/S INV	D/S INV	SLOPE	REMARKS
108	108-105	172	18	SS CL. A 2	455.81	452.15	2.13%	
110	109-108	63	12	SS CL. A 2	456.45	455.81	1.02%	

STRUCTURE SCHEDULE											
STR. NO.	STATION	OFFSET	RT/LT	TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W	REMARKS
108	STA. 152+18.50	30.00	RT	INLETS, TYPE G-1, SPECIAL	DIAGONAL	459.67	455.81		455.81		
109	STA. 152+18.50	30.00	LT	INLETS, TYPE G-1, SPECIAL	DIAGONAL	459.67				456.45	



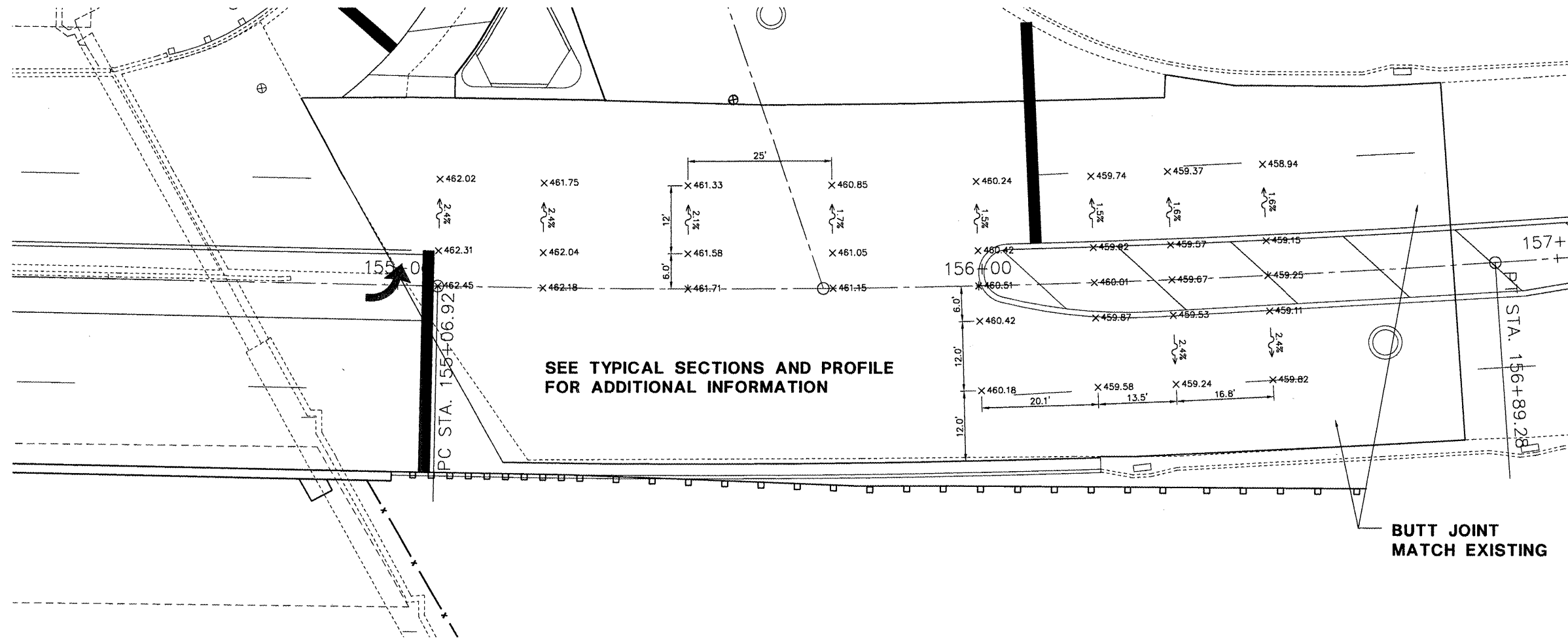
SCALES:  
 1" = 20' HOR  
 1" = 5' VER

**CAMP STREET - DRAINAGE AND EROSION CONTROL PLAN AND PROFILE - STA. 152+00 TO STA. 158+00**

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F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	33
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

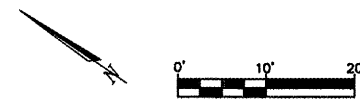


SEE TYPICAL SECTIONS AND PROFILE FOR ADDITIONAL INFORMATION

BUTT JOINT MATCH EXISTING

**INTERSECTION DETAIL PLAN**

SCALE: 1" = 10'



REVISIONS	
NAME	DATE

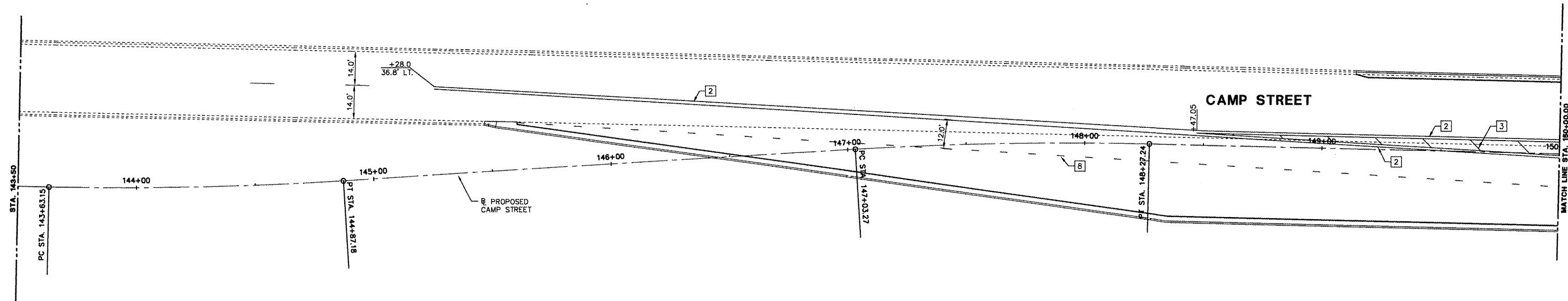
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 INTERSECTION DETAIL  
 CAMP ST. AND ALTORFER LN.

SCALE: VERT. 1" = 10'  
 HORIZ. 1" = 10'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

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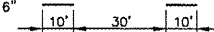






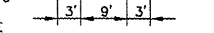



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	34
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4   ILLINOIS   FED. AID PROJECT				

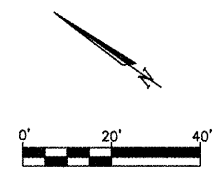


**PLAN VIEW**

SCALE: 1"=20'

**LEGEND**

- 1 LANE LINE SKIP DASH, WHITE 6" 
- 2 DOUBLE YELLOW, 4" 
- 3 DIAGONAL YELLOW, 12" @ 20' O.C. 
- 4 STOP LINE, WHITE 24" 
- 5 SOLID YELLOW, 4" 
- 6 SOLID WHITE, 8" 
- 7 SOLID WHITE, 4" 
- 8 LANE LINE SKIP DASH, WHITE 6" 
- 9 LETTERS AND SYMBOLS, WHITE 
- 10 LANE LINE SKIP DASH, YELLOW 4" 
- 11 DIAGONAL WHITE, 12" @ 20' O.C. 
- EXISTING PAVEMENT MARKINGS



REVISIONS	
NAME	DATE

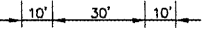




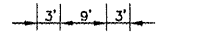
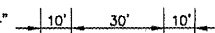




ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 PAVEMENT MARKING PLAN STA.  
 143+50 TO 150+00

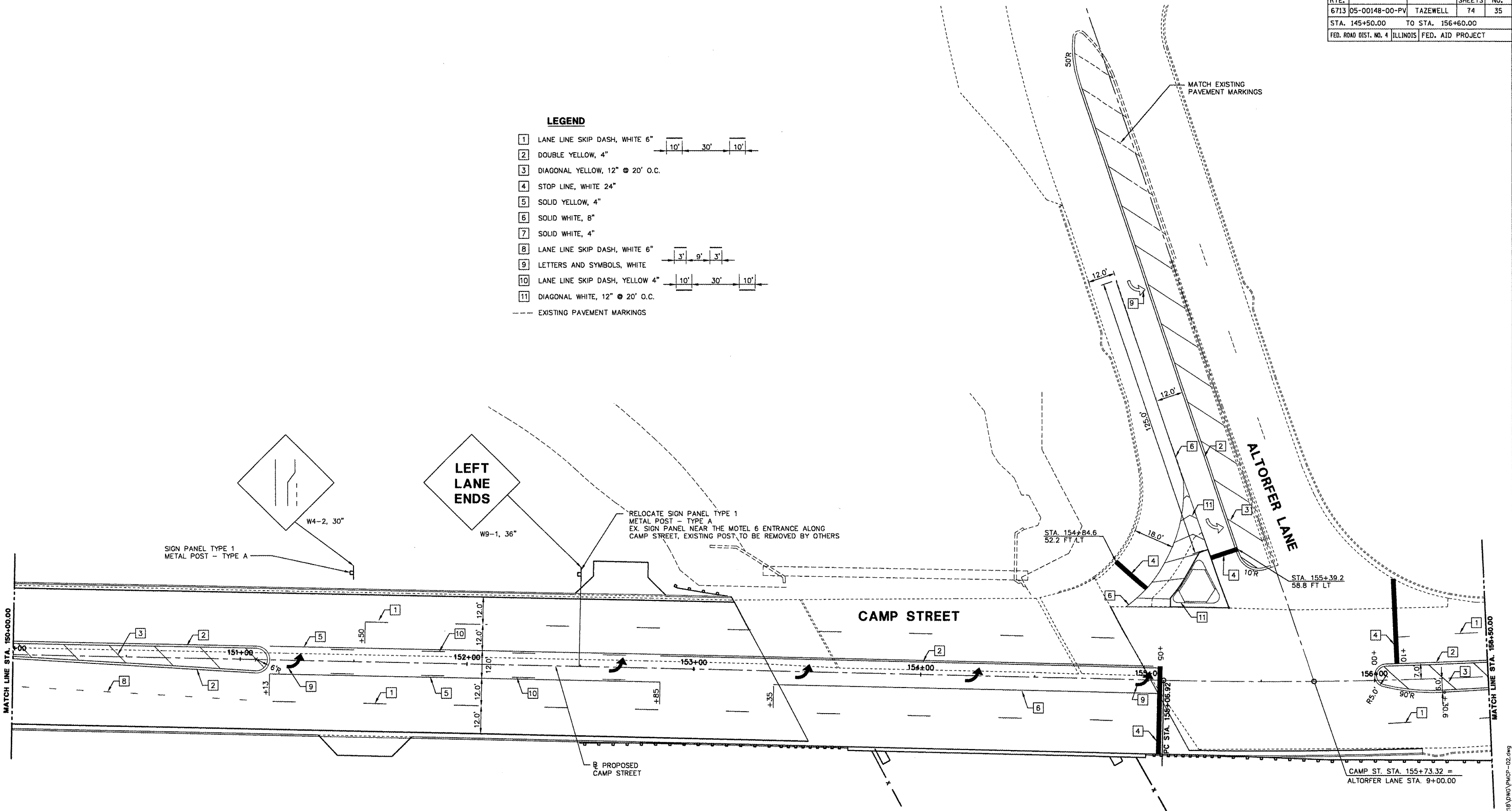
SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

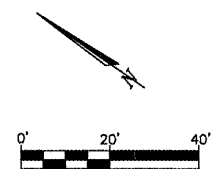
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F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	35
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

- LEGEND**
- 1 LANE LINE SKIP DASH, WHITE 6" 
  - 2 DOUBLE YELLOW, 4" 
  - 3 DIAGONAL YELLOW, 12" @ 20' O.C. 
  - 4 STOP LINE, WHITE 24" 
  - 5 SOLID YELLOW, 4" 
  - 6 SOLID WHITE, 8" 
  - 7 SOLID WHITE, 4" 
  - 8 LANE LINE SKIP DASH, WHITE 6" 
  - 9 LETTERS AND SYMBOLS, WHITE 
  - 10 LANE LINE SKIP DASH, YELLOW 4" 
  - 11 DIAGONAL WHITE, 12" @ 20' O.C. 
- EXISTING PAVEMENT MARKINGS



**PLAN VIEW**  
SCALE: 1"=20'



REVISIONS	
NAME	DATE

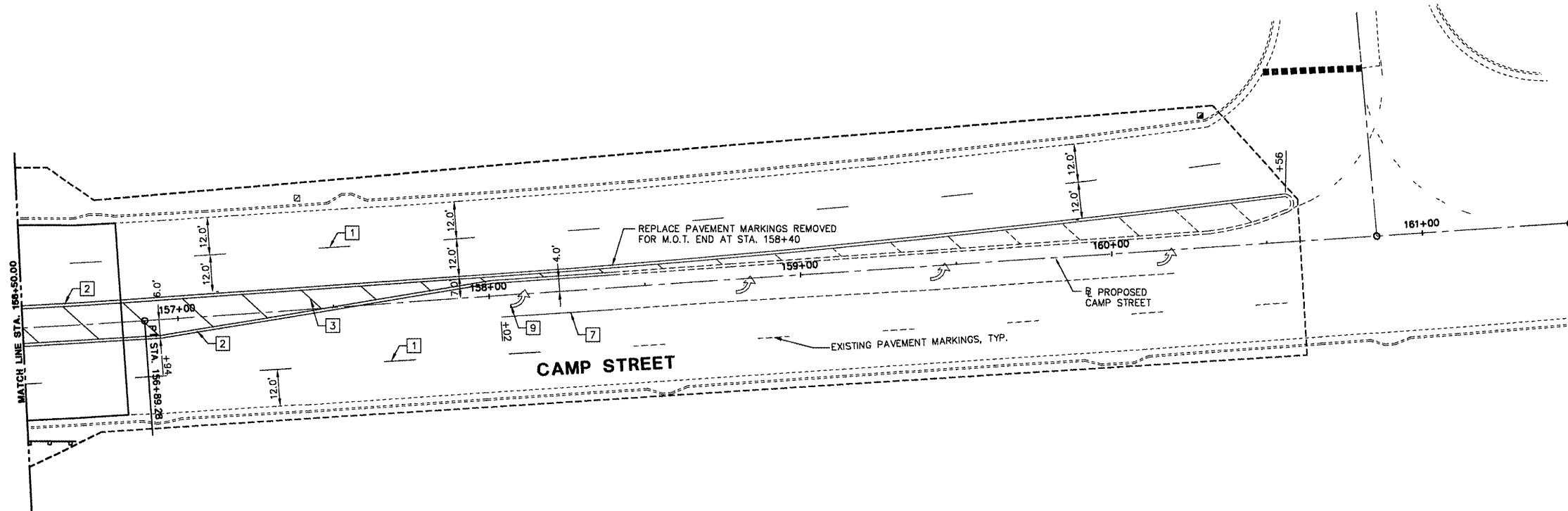
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 PAVEMENT MARKING PLAN  
 STA. 150+00 TO 156+50

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	36
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

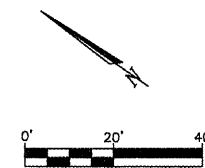


**PLAN VIEW**

SCALE: 1"=20'

**LEGEND**

- 1 LANE LINE SKIP DASH, WHITE 6"
- 2 DOUBLE YELLOW, 4"
- 3 DIAGONAL YELLOW, 12" @ 20' O.C.
- 4 STOP LINE, WHITE 24"
- 5 SOLID YELLOW, 4"
- 6 SOLID WHITE, 8"
- 7 SOLID WHITE, 4"
- 8 LANE LINE SKIP DASH, WHITE 6"
- 9 LETTERS AND SYMBOLS, WHITE
- 10 LANE LINE SKIP DASH, YELLOW 4"
- 11 DIAGONAL WHITE, 12" @ 20' O.C.
- EXISTING PAVEMENT MARKINGS



REVISIONS	
NAME	DATE

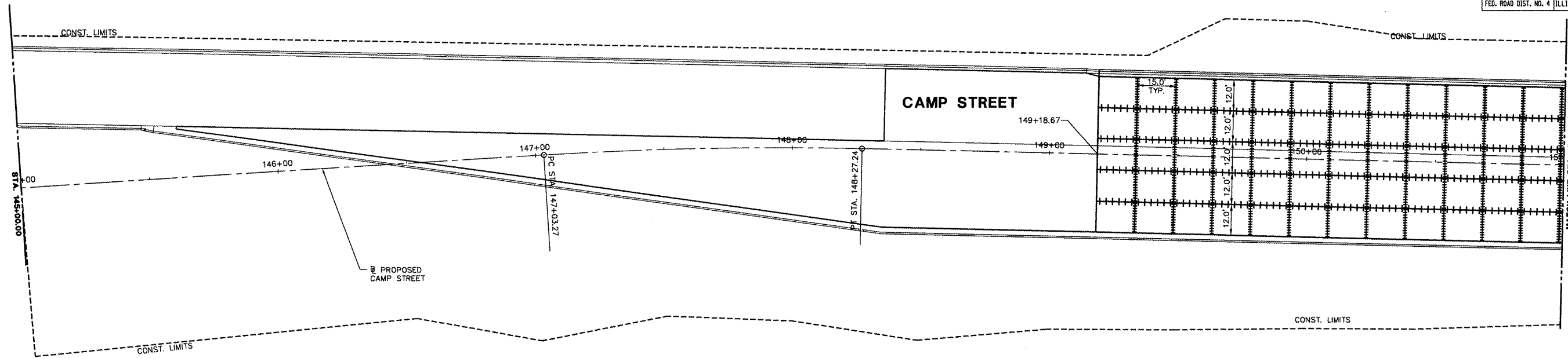
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 PAVEMENT MARKING PLAN  
 STA. 156+50 TO 161+46.96

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

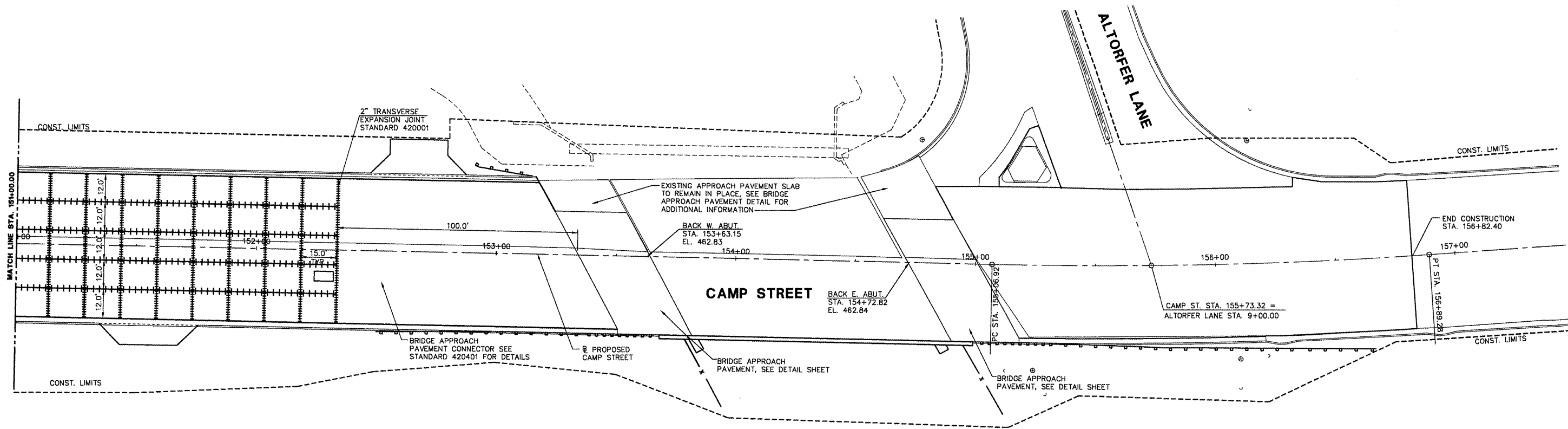
DRAWN BY JLT  
 CHECKED BY CSA

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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	37
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



**PLAN VIEW**  
SCALE: 1"=20'



**PLAN VIEW**  
SCALE: 1"=20'

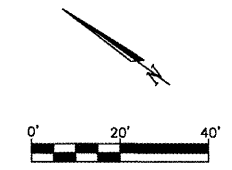
**NOTES:**

- SAWED LONGITUDINAL JOINT CAN BE SUBSTITUTED FOR LONGITUDINAL CONSTRUCTION JOINTS.
- SAWED CONTRACTION JOINTS SHALL BE SPACED AT A NOMINAL 15.0 FT.
- ALL JOINTS SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS 420001, 420101, 420106 AND 420111.

**LEGEND**

- SAWED CONTRACTION JOINT
- +++++ LONGITUDINAL CONSTRUCTION JOINT OR SAWED LONGITUDINAL JOINT

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**PAVEMENT JOINT PLAN**  
**STA. 145+00 TO 157+00**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 12/22/2008

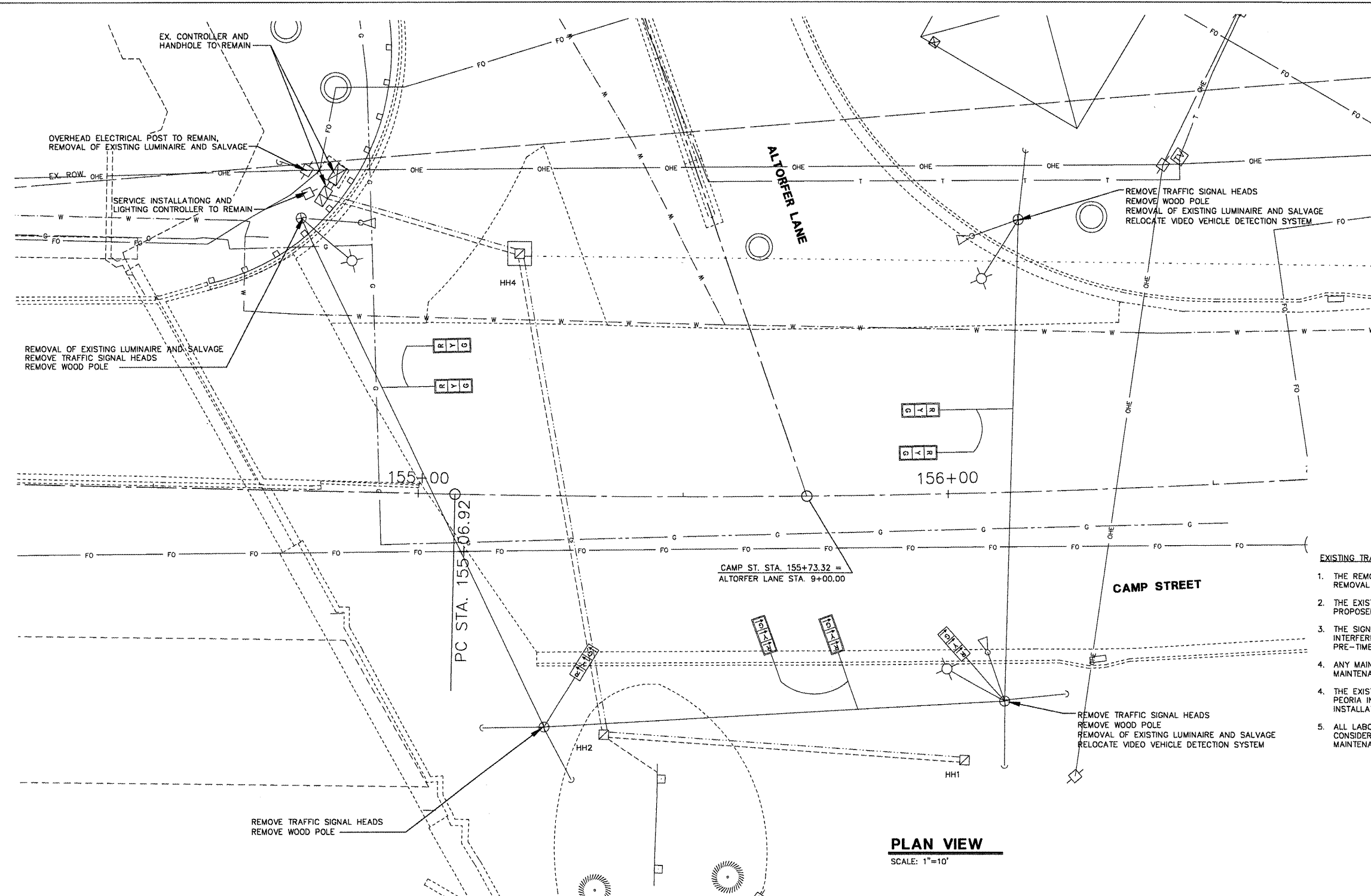
DRAWN BY JLT  
 CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	38
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

**EXISTING TRAFFIC SIGNAL LEGEND**

- ➔ EX. SIGNAL HEAD
- EX. COMBINATION MAST ARM ASSEMBLY AND POLE
- EX. SIGNAL POST AND FOUNDATION
- ◻ EX. CONCRETE HANDHOLE
- ⊗ EX. LUMINAIRE
- ⊠ EX. CONTROLLER



**PLAN VIEW**  
SCALE: 1"=10'

**EXISTING TRAFFIC SIGNAL AND REMOVAL NOTES**

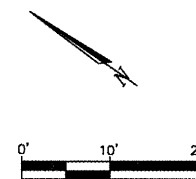
1. THE REMOVAL ITEMS ARE AS INDICATED IN THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
3. THE SIGNALS SHALL BE SET TO PRE-TIMED SETTINGS PRIOR TO CONSTRUCTION THAT WILL INTERFERE WITH THE EXISTING VIDEO DETECTION. THE CONTRACTOR SHALL COORDINATE THE PRE-TIMED SETTINGS WITH THE CITY OF EAST PEORIA.
4. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
4. THE EXISTING EQUIPMENT INDICATED FOR RETURN SHALL BE DELIVERED TO THE CITY OF EAST PEORIA IN GOOD WORKING CONDITION UPON REMOVAL OF THE EXISTING TRAFFIC SIGNAL INSTALLATION.
5. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR REMOVAL OF THE EXISTING TRAFFIC SIGNALS OR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

UNLESS INDICATED FOR RELOCATION, THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DELIVERED BY THE CONTRACTOR TO THE CITY OF EAST PEORIA PUBLIC WORKS. THE POINT OF CONTACT IS RIC SEMONSKI, 698-4716.

ITEM	UNIT	QUANTITY
WOOD POLE	EA	4
REMOVE SIGN PANEL	EA	1
SIGNAL HEAD, 1 FACE (WITH BACK PLATE AS APPLICABLE)	EA	8
REMOVAL OF EXISTING LUMINAIRE AND SALVAGE	EA	4

THE SPAN WIRE, ELECTRICAL CABLE AND ALL OTHER PARTS OF THE EXISTING SIGNAL SYSTEM NOT BEING INCORPORATED INTO THE NEW SIGNAL SYSTEM SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.



REVISIONS	
NAME	DATE

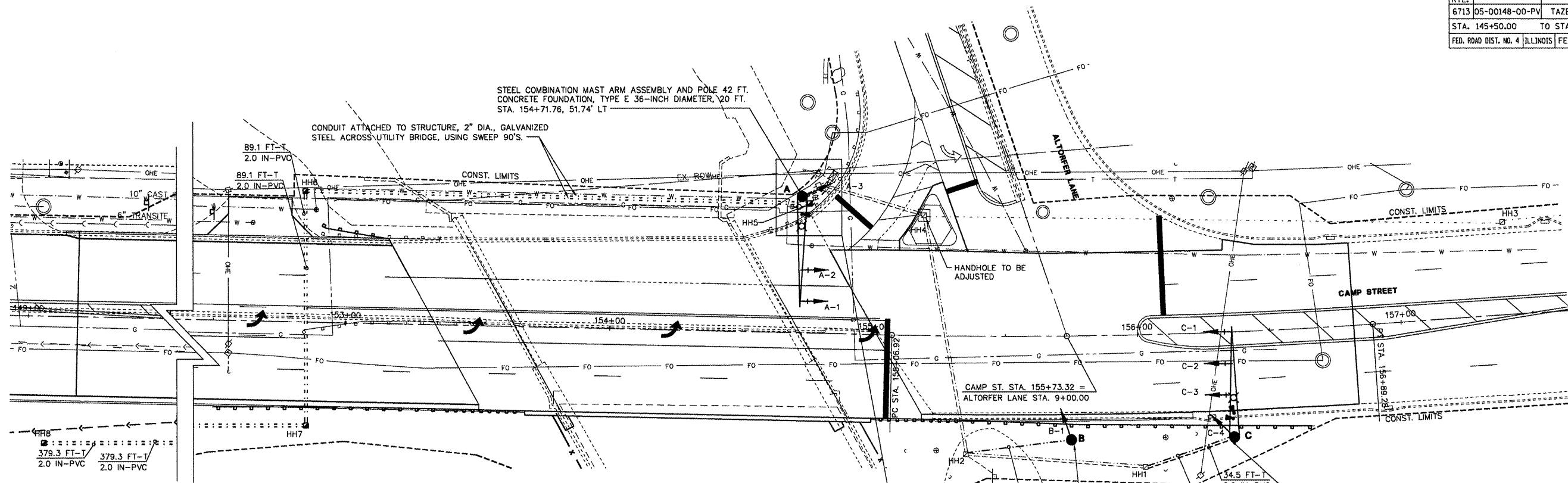
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**TRAFFIC SIGNAL**  
**REMOVAL PLAN**

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	39
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

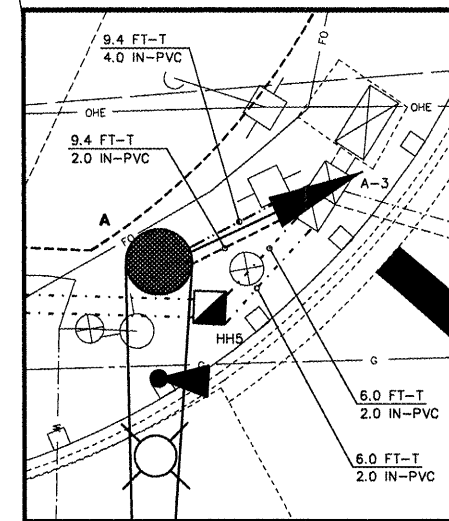


**TRAFFIC SIGNAL NOTES**

- ALL TRAFFIC SIGNALS SHALL BE 12" LED SECTIONS.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 18.0 FEET MINIMUM CLEARANCE OVER THE ROADWAY.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
- ALL BRACKET MOUNTS AND ASSOCIATED PIPES ARE TO BE UNPAINTED ALUMINUM, SCHEDULE 80.
- PROPOSED HANDHOLES SHALL BE CAST-IN-PLACE CONCRETE HANDHOLES. THIS WORK SHALL BE PAID FOR AS HANDHOLES.
- THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN OR GROUND LINE.
- THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED OR TRENCHED.
- THE LOCATIONS FOR HANDHOLES AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- HIGHWAY LIGHTING ELECTRIC CABLE IN CONDUIT SHALL BE 2-1/C #6 XLP/USE AND 1-1/C #6 XLP/USE GREEN INSULATION (FOR GROUND) (STD. 1066.02).
- ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6.0 FEET FROM THE FACE OF CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2.0 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
- ALL MAST ARM POLES BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASE BOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING. THE COST SHALL BE INCLUDED IN THE PAY ITEM "STEEL COMBINATION MAST ARM ASSEMBLY AND POLE".
- THE CONTRACTOR MAY ELECT TO PUSH CONDUIT SHOWN AS TRENCHED. THERE WILL BE NO ADDITIONAL COMPENSATION. THE CONDUIT WILL BE PAID FOR AS "CONDUIT IN TRENCH" AND "TRENCH AND BACKFILL FOR ELECTRICAL WORK".
- ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND FRAMES, AND PEDESTRIAN PUSHBUTTON POSTS SHALL BE GROUNDED WITH 1/C #6 CABLE IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE INCIDENTAL TO THE CORRESPONDING PAY ITEM.
- THE MAST ARMS SHALL CONFORM TO THE STANDARD LOADING ON HIGHWAY STANDARD 877011, STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, OR THE PROPOSED LOADING, WHICHEVER IS GREATER.
- CONDUIT ON POLES SHALL BE GALVANIZED STEEL.

**PLAN VIEW**

SCALE: 1"=20'



**SCHEDULE OF HANDHOLES**

ITEM	STATION	OFFSET	DESCRIPTION
HH1	156+01.93	50.29' RT	EXISTING, TO REMAIN
HH2	155+35.44	44.90' RT	EXISTING, TO REMAIN
HH3	157+41.77	34.91' LT	EXISTING, TO REMAIN
HH4	155+18.44	45.76' LT	EXISTING, TO REMAIN
HH5	154+74.67	49.22' LT	
HH6	152+83.84	49.64' LT	
HH7	152+85.91	39.40' RT	
HH8	149+06.75	48.16' RT	

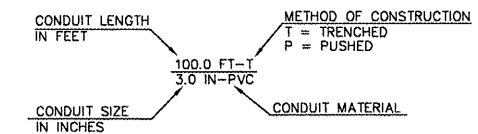
**SCHEDULE OF SIGNAL POLES**

ITEM	STATION	OFFSET	DESCRIPTION
A	154+71.76	51.74' LT	STL COMB MAA&P 42
B	155+74.61	39.34' RT	TS POST GALVS 15
C	156+35.13	40.00' RT	STL COMB MAA&P 42

**SCHEDULE OF SIGNAL HEADS**

ITEM	UNIT	LOCATION	QUANTITY
SH, 1F, 3S, MAM	EA	A-1, A-2, C-2, C-3	4
SH, 1F, 3S, BM	EA	B-1, C-4	2
SH, 1F, 5S, BM	EA	A-3	1
SH, 1F, 5S, MAM	EA	C-1	1
SIGNAL BACKPLATE	EA	A-1, A-2, C-2, C-3, C-1	5

**CONDUIT CODE**



**TRAFFIC SIGNAL LEGEND**

- HH - HANDHOLE
- MAM - MAST ARM MOUNTED
- BM - BRACKET MOUNTED
- CONDUIT - TRAFFIC SIGNAL CONDUCTORS (PUSHED OR TRENCHED)
- CONDUIT - POWER SUPPLY LUMINAIRES (PUSHED OR TRENCHED)
- CONDUIT - INTERCONNECT CABLE (PUSHED OR TRENCHED)

**REVISIONS**

NAME	DATE

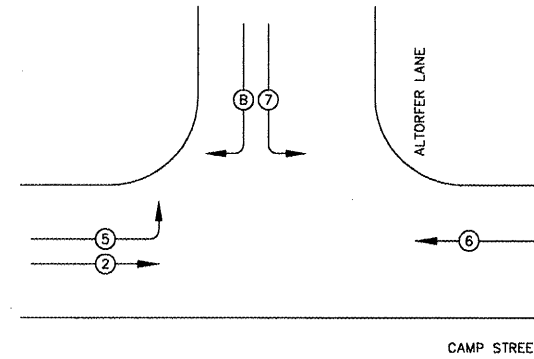
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
**TRAFFIC SIGNAL**  
**LAYOUT**

SCALE: VERT.  
HORIZ.  
DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	40
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4   ILLINOIS   FED. AID PROJECT				

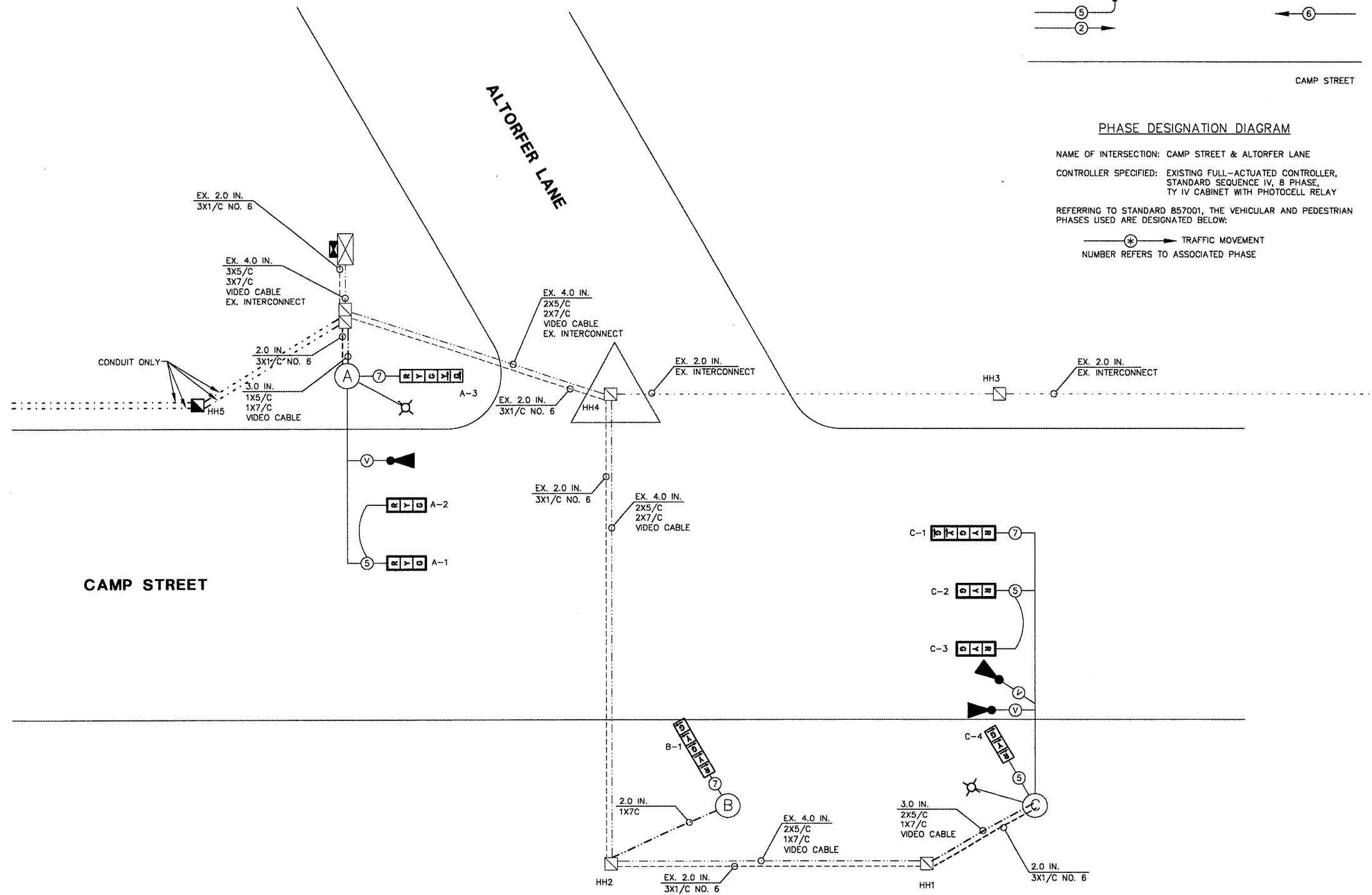


**PHASE DESIGNATION DIAGRAM**

NAME OF INTERSECTION: CAMP STREET & ALTORFER LANE  
 CONTROLLER SPECIFIED: EXISTING FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASE, TY IV CABINET WITH PHOTOCELL RELAY  
 REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW:  
 (Symbol with arrow and number) TRAFFIC MOVEMENT  
 NUMBER REFERS TO ASSOCIATED PHASE

**TRAFFIC SIGNAL LEGEND**

EXISTING	NEW	
		CONCRETE HANDHOLE
		CONCRETE DOUBLE HANDHOLE
		SIGNAL CONTROLLER
		LIGHTING CONTROLLER
		VIDEO DETECTION CAMERA
		LUMINAIRE
		SIGNAL HEAD WITH BACKPLATE 1 FACE, 3 SECTION
		SIGNAL HEAD - 1 FACE, 3 SECTION
		CONDUIT - TRAFFIC SIGNAL CONDUCTORS (PUSHED OR TRENCHED)
		CONDUIT - POWER SUPPLY LUMINAIRES (PUSHED OR TRENCHED)
		CONDUIT - INTERCONNECT CABLE (PUSHED OR TRENCHED)
		3 CONDUCTOR No. 14 CABLE
		5 CONDUCTOR No. 14 CABLE
		7 CONDUCTOR No. 14 CABLE
		VIDEO DETECTION CABLE
1X5/C		1 WIRE, 5 CONDUCTOR, No. 14 CABLE
1X7/C		1 WIRE, 7 CONDUCTOR, No. 14 CABLE
3X1/C No. 6		3 WIRE, 1 CONDUCTOR No. 6 CABLE
2.0 IN. 1X5/C		2.0 IN. DENOTES 1 - 5 CONDUCTOR CABLE ASSEMBLIES IN 2" CONDUIT



**PLAN VIEW**  
SCALE: N.T.S.

REVISIONS	
NAME	DATE

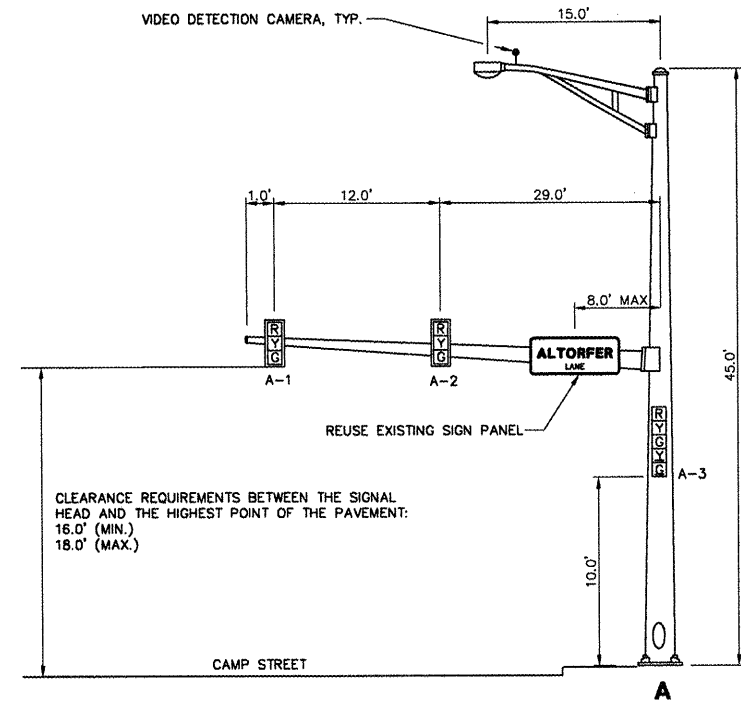
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
 TRAFFIC SIGNAL  
 CABLE WIRING DIAGRAM

SCALE: VERT.      DRAWN BY JLT  
 HORIZ.              CHECKED BY CSA  
 DATE 12/22/2008

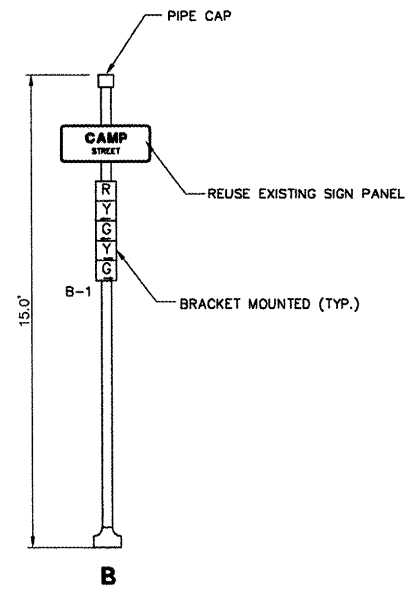
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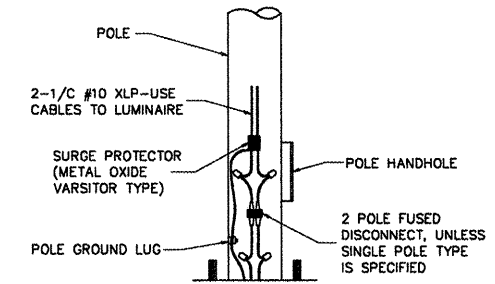
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



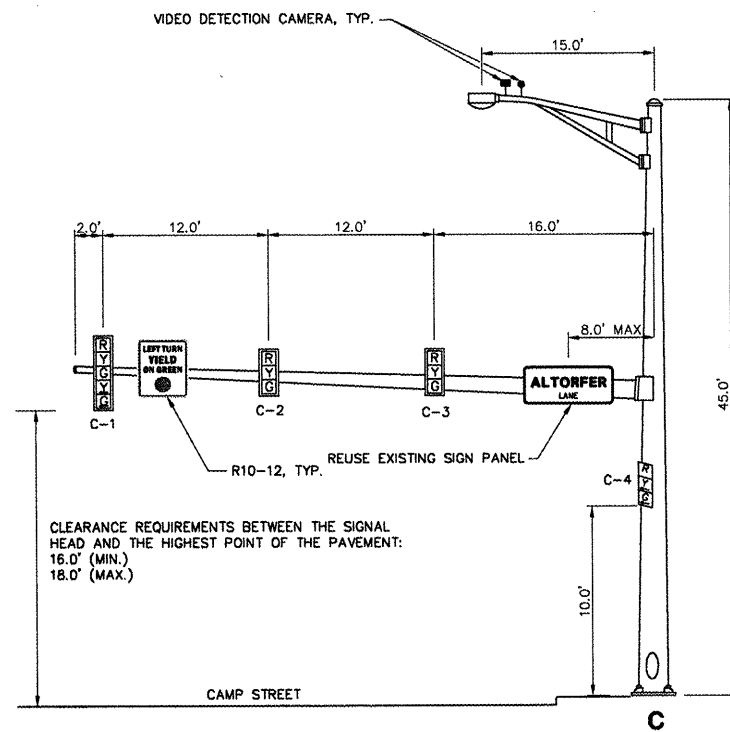
**WEST BOUND TRAFFIC SIGNAL  
NORTH CORNER OF CAMP STREET AND ALTORFER LANE**



**SOUTH BOUND TRAFFIC SIGNAL  
SOUTHWEST OF CAMP STREET AND ALTORFER LANE**



OVERHEAD LIGHTING ELECTRIC CABLE SHALL BE 2-1/2 #6 XLP/USE AND 1-1/2 #6 XLP/USE GREEN INSULATION (FOR GROUND) PER STANDARD 1066.02.



**EAST BOUND TRAFFIC SIGNAL  
SOUTHWEST OF CAMP STREET AND ALTORFER LANE**

REVISIONS	
NAME	DATE

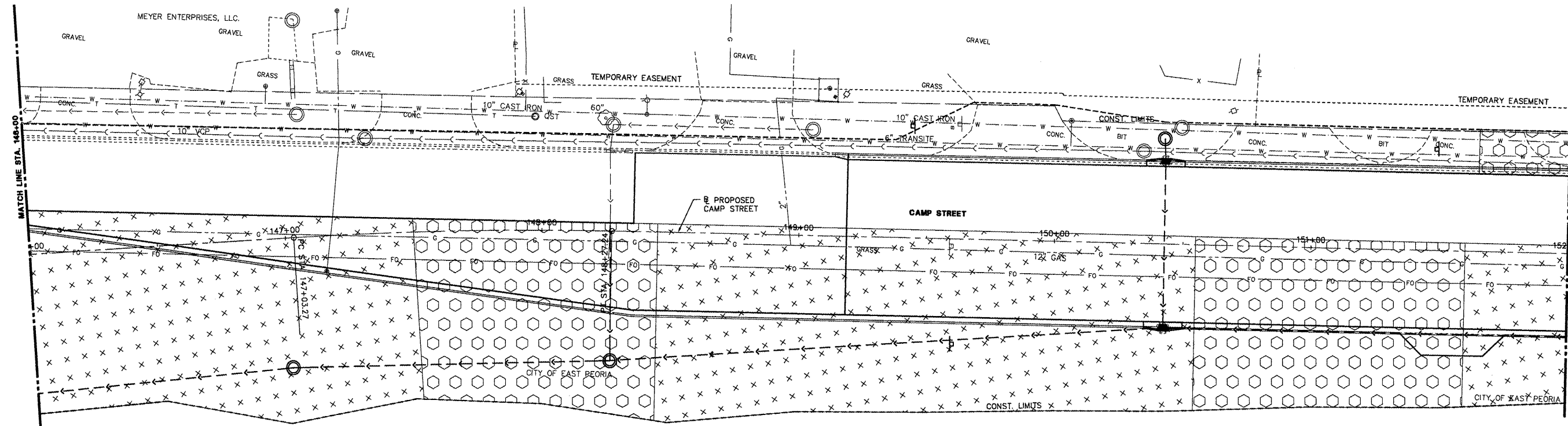
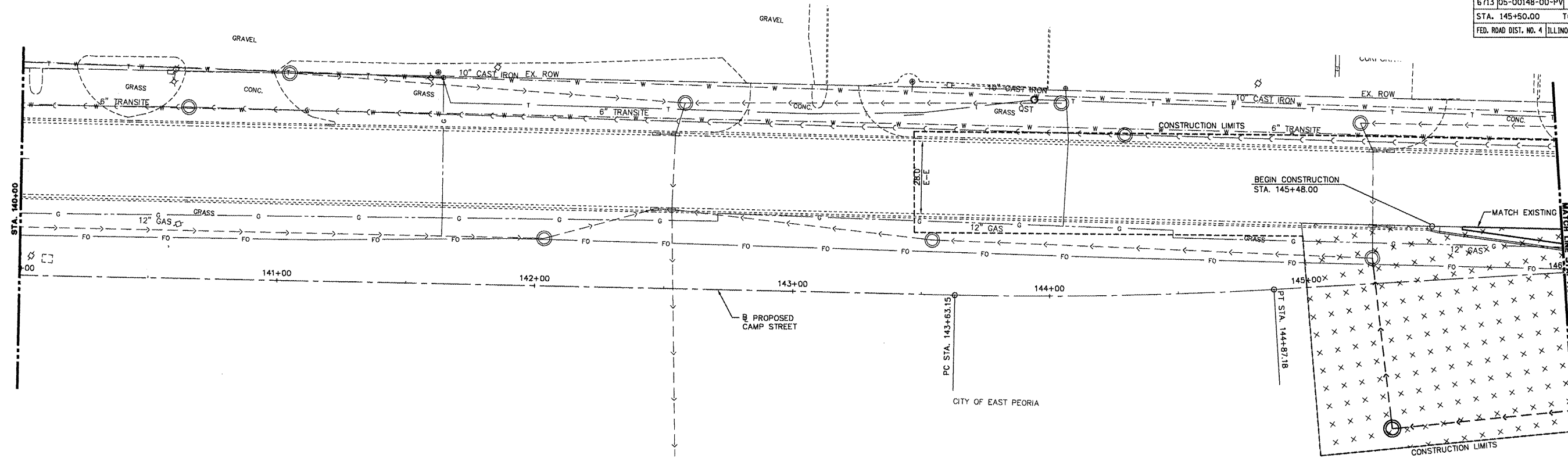
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP STREET CONNECTOR**  
TRAFFIC SIGNAL POST  
AND MAST ARM DETAILS

VERT. SCALE: 1"=10'  
HORIZ. SCALE: 1"=10'  
DATE 12/22/2008

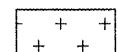
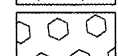
DRAWN BY JLT  
CHECKED BY CSA

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	42
STA. 145+50.00 TO STA. 156+60.00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



**LEGEND**

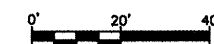
-  AREAS OF SPECIAL WASTE
-  AREAS OF SPECIAL WASTE AND CONSTRUCTION WORKER CAUTION

**NOTE:**

WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.

**CAMP ST. AREAS OF SPECIAL WASTE PLAN VIEW**

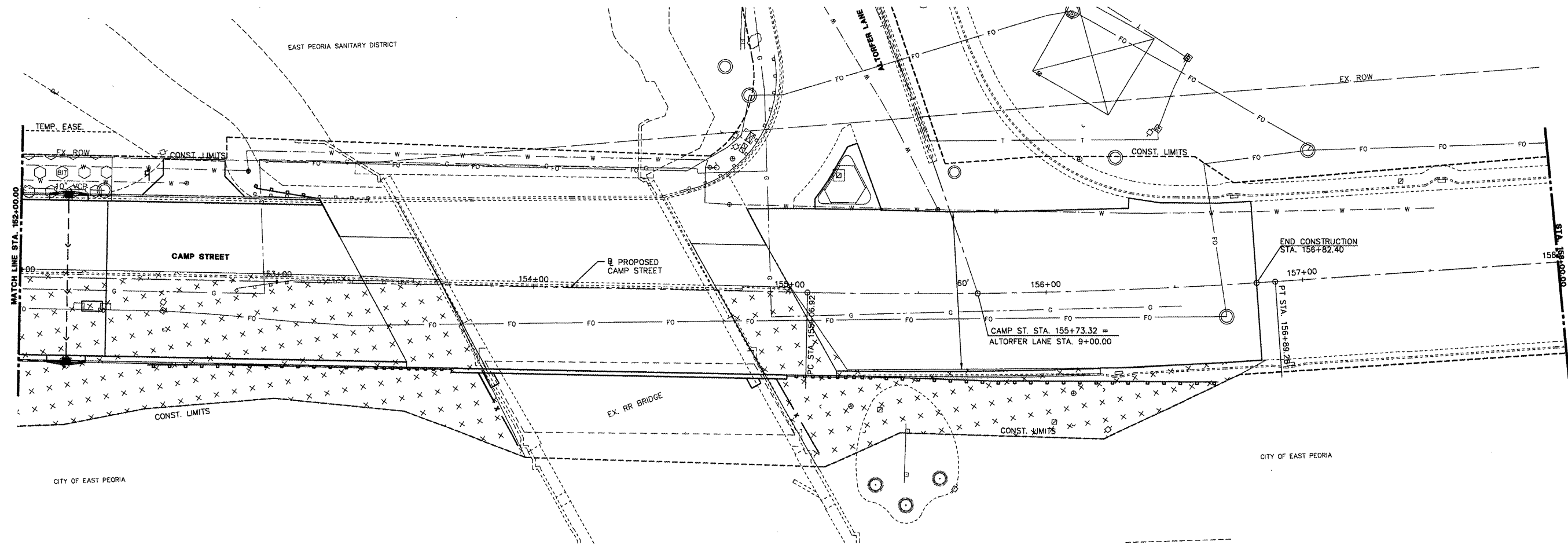
SCALE: HORZ. 1" = 20'



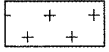
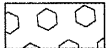
**CAMP STREET - SPECIAL WASTE PLAN VIEW - STA. 140+00 TO STA. 152+00**

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F.A.J.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	43
STA. 145+50.00 TO STA. 156+60.00				
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



**LEGEND**

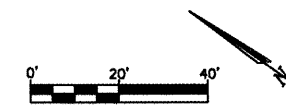
-  AREAS OF SPECIAL WASTE
-  AREAS OF SPECIAL WASTE AND CONSTRUCTION WORKER CAUTION

**NOTE:**

WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.

**CAMP ST. AREAS OF SPECIAL WASTE PLAN VIEW**

SCALE: HORZ. 1" = 20'



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	44
STA. 154+17.98			STRUCTURE NO. 090-0027	
FED. ROAD DIST. NO. 4 ILLINOIS			FED. AID PROJECT	

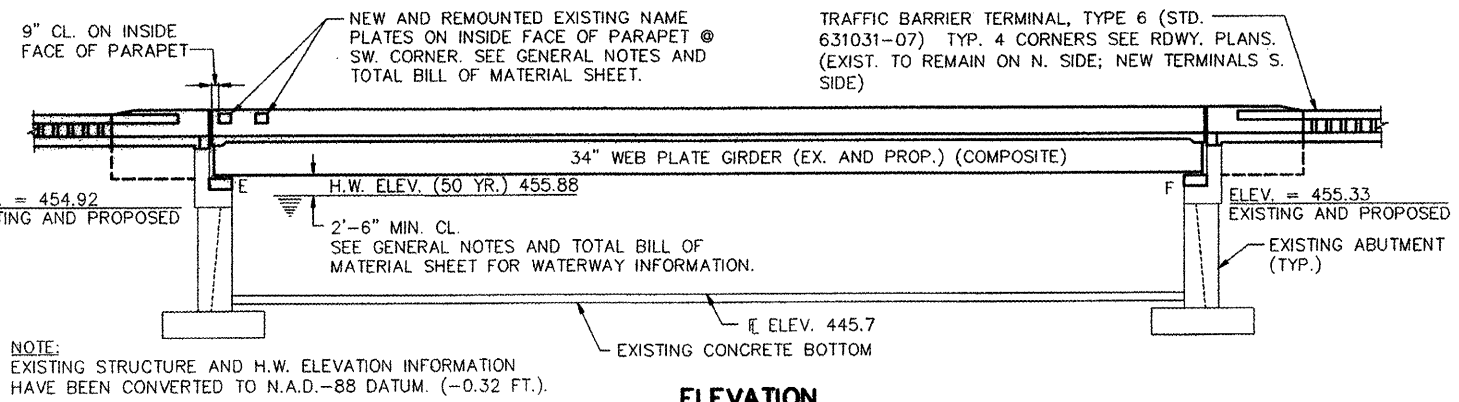
BENCH MARK: BRASS DISK, E-235, NORTHWEST WINGWALL RAILROAD BRIDGE @ CAMP ST. AND FARM CREEK DIVERSION CHANNEL, ELEV. = 462.98 N.A.D. - 88 DATUM. BENCH MARK WILL BE REMOVED AND REPLACED WITH A PERMANENT SURVEY MARK, TYPE 1 AS PART OF THIS CONTRACT. SEE WEST ABUTMENT DETAILS SHEET AND SPECIAL PROVISIONS.

EXISTING STRUCTURE: STA. 154+08.17, F.A.U. ROUTE 6713, SECTION (50B)BR, STRUCTURE No. 090-0027, REBUILT 1995 TO N.A.D. - 29 DATUM.

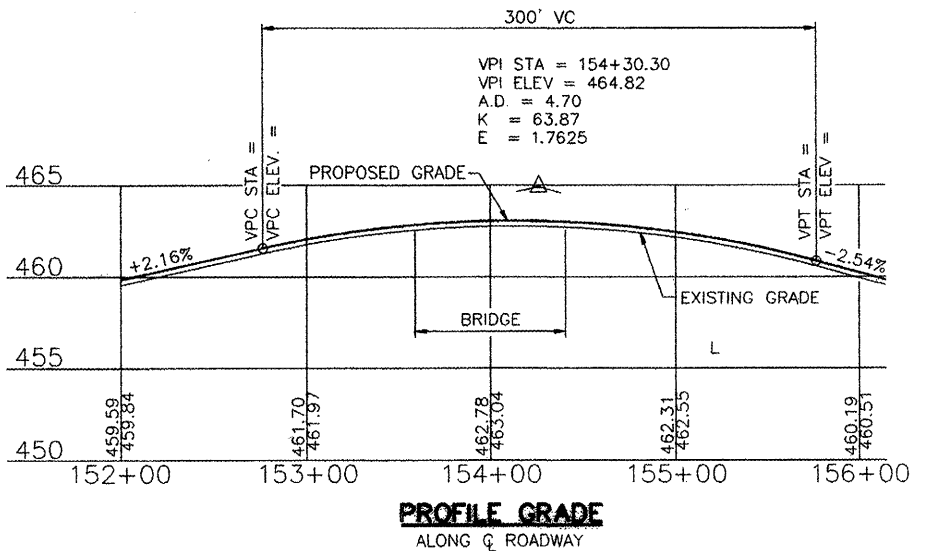
SUPERSTRUCTURE: 7 1/2" THICK, VARIABLE WIDTH CONCRETE DECK (36'-2" MAX. OUT TO OUT OF PARAPETS) BY 109'-8" BACK TO BACK ABUTMENTS ON COMPOSITE WELDED PLATE GIRDERS WHICH ARE TO REMAIN. SUPERSTRUCTURE IS TO BE WIDENED BY PARTIAL DECK REMOVAL WITH NEW ADDED GIRDERS AND DECK WIDENING.

TRAFFIC WILL BE MAINTAINED DURING CONSTRUCTION USING STAGED CONSTRUCTION, SEE MAINTENANCE OF TRAFFIC AND DECK DETAIL SHEETS. USE EXISTING BRIDGE FOR STAGE 1 TRAFFIC.

EXISTING R.R. STRUCTURE: SINGLE SPAN, RIVETED STEEL THROUGH GIRDER. SUPERSTRUCTURE APPROXIMATELY 108 FT. LONG BY 34 FT. WIDE TO BE REMOVED, NO SALVAGE. PILE SUPPORTED CONCRETE CLOSED ABUTMENTS TO BE MODIFIED AND REUSED.

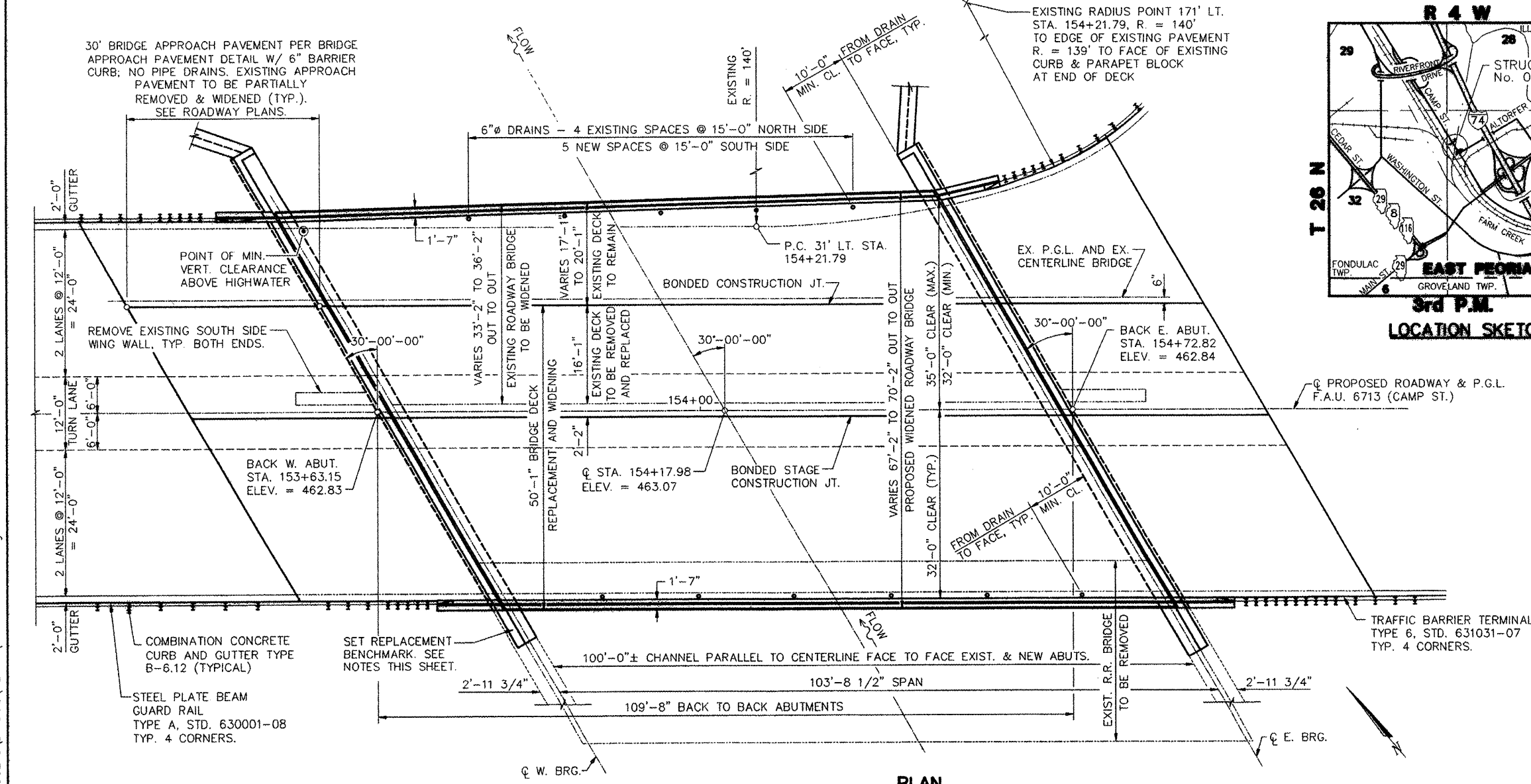


**ELEVATION**

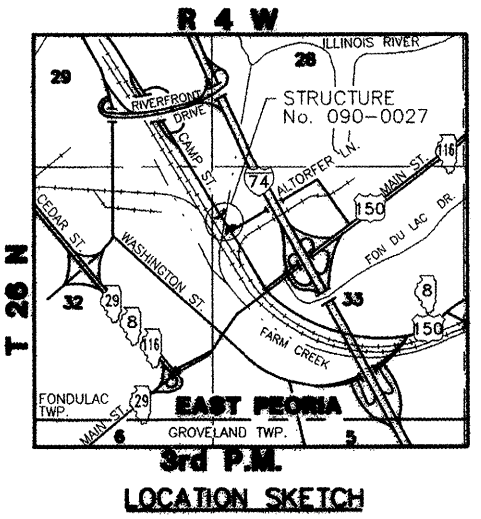


**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	GENERAL PLAN & ELEVATION
2	GENERAL NOTES & TOTAL BILL OF MATERIAL
3	DECK ELEVATIONS
4	DECK ELEVATIONS
5	DECK DETAILS
6	DECK DETAILS
7	BRIDGE JOINT SYSTEMS
8	GIRDER DETAILS
9	BEARING DETAILS
10	EXISTING ABUTMENT DEMOLITION & REPAIR
11	WEST ABUTMENT DETAILS
12	EAST ABUTMENT DETAILS
13	ABUTMENT DETAILS
14	ANCHOR BOLT DETAILS FOR BEARINGS
15	BAR SPLICER ASSEMBLY DETAILS



**PLAN**



**SEISMIC DATA**

SEISMIC PERFORMANCE CATEGORY (SPC) = A  
BEDROCK ACCELERATION COEFFICIENT (A) = 4.3% g  
SITE COEFFICIENT (S) = 1.2

**DESIGN SPECIFICATIONS**

2002 AASHTO

**LOADING HS20-44**

ALLOW 25#/SQ. FT. FOR FUTURE WEARING SURFACE TO MATCH DESIGN CRITERIA FOR EXISTING STRUCTURE TO REMAIN.

**DESIGN STRESSES**

f' = 3,500 PSI  
fy = 60,000 PSI (REINF.)  
fy = 50,000 PSI (STRUCTURAL STEEL AASHTO M270, GR. 50)

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES."

*Philip J. Lane*

PHILIP J. LANE  
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 4084  
EXPIRATION DATE: 11/30/10

STATE OF ILLINOIS  
PHILIP J. LANE  
4084  
STRUCTURAL ENGINEER

DATE

**REVISIONS**

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL**

**GENERAL PLAN & ELEVATION**

SCALE: N.T.S.

DATE: 12/22/2008

DRAWN BY: MGM

CHECKED BY: PJL

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	45
STA. 154+17.98			STRUCTURE NO. 090-0027	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- FASTENERS SHALL BE HIGH STRENGTH BOLTS 3/4" Ø, OPEN HOLES 13/16" Ø, UNLESS OTHERWISE NOTED.
- CALCULATED WEIGHT OF STRUCTURAL STEEL= 122,490 LBS.
- FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO BEAMS OR GIRDERS.
- ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.
- THE STRUCTURAL STEEL BEARING PLATES OF THE ELASTOMERIC BEARING ASSEMBLY SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50.
- THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE TENSION FLANGES AND WEBS.
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706, GRADE 60.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- PRIOR TO POURING THE NEW CONCRETE DECK, ALL LOOSE RUST, LOOSE MILL SCALE, AND OTHER LOOSE POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES OF THE BEAMS OR GIRDERS IN CONTACT WITH CONCRETE. THE COST OF THIS WORK WILL BE INCLUDED IN THE PAY ITEM COVERING REMOVAL OF EXISTING CONCRETE. ALL HEAVY RUST AND OTHER TIGHTLY ADHERED POTENTIALLY DETRIMENTAL FOREIGN MATTER SHALL ALSO BE REMOVED FROM THE SURFACES OF THE BEAMS OR GIRDERS IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. THIS REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL. THE COST OF THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- CONCRETE SEALER SHALL BE APPLIED TO THE NEW SEAT AREAS OF THE ABUTMENTS.
- ALL CONSTRUCTION JOINTS SHALL BE BONDED. NEW CONCRETE SHALL BE BONDED TO EXISTING CONCRETE IN THE DECK AND IN THE ABUTMENTS USING AN ADHESIVE CONFORMING TO THE REQUIREMENTS OF ART. 1025.01 OF THE STANDARD SPECIFICATIONS. THE ADHESIVE SHALL BE USED IN CONFORMANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- PAINTING NEW STEEL AS PART OF F & E STRUCTURAL STEEL: THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE BLUE, MUNSELL NO. 10B3/6. SEE SPECIAL PROVISION FOR "CLEANING AND PAINTING NEW METAL STRUCTURES."

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
CONCRETE REMOVAL	CU. YD.		16.3	16.3
STRUCTURE EXCAVATION	CU. YD.		4.3	4.3
FLOOR DRAINS	EACH	6		6
PREFORMED JOINT SEAL, 1 3/4"	FOOT	79.6		79.6
PREFORMED JOINT SEAL, 4"	FOOT	76.1		76.1
CONCRETE STRUCTURES	CU. YD.		25.2	25.2
CONCRETE SUPERSTRUCTURE	CU. YD.	149.3		149.3
* BRIDGE DECK GROOVING	SQ. YD.	548		548
* ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	5		5
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1		1
*** STUD SHEAR CONNECTORS	EACH	1,869		1,869
REINFORCEMENT BARS, EPOXY COATED	POUND	36,210	4,370	40,580
** NAME PLATES	EACH	1		1
EPOXY CRACK INJECTION	FOOT	40	63	103
* CONCRETE SEALER	SQ. FT.		263	263
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ. FT.	1	40	41
* PROTECTIVE COAT	SQ. YD.	636		636
REMOVAL OF EXISTING CONCRETE DECK	EACH	1		1
BAR SPLICERS	EACH	519		519
TEMPORARY CONCRETE BARRIER	FOOT	110		110
PERMANENT SURVEY MARKER, TYPE 1	EACH		1	1

**NOTES**

- \* QUANTITY INCLUDES NEW CONCRETE ONLY.
- \*\* INCLUDES SALVAGE AND REMOUNTING OF EXISTING NAME PLATE.
- SEE ROADWAY PLANS FOR GUARDRAIL & TERMINALS, BRIDGE APPROACH PAVEMENT, AND TEMPORARY CONCRETE BARRIER BEYOND BACKS OF BRIDGE ABUTMENTS.
- REMOVAL OF EXISTING RAILROAD BRIDGE PAID FOR AS "REMOVAL OF EXISTING SUPERSTRUCTURES".
- PARTIAL REMOVAL OF EXISTING HIGHWAY BRIDGE DECK PAID FOR AS "REMOVAL OF EXISTING CONCRETE DECK".
- PARTIAL REMOVAL OF HIGHWAY AND RAILROAD ABUTMENT CONCRETE (INCLUDING EXISTING "HATCHED AREA" ATOP HIGHWAY BRIDGE ABUTMENT) IS PAID FOR AS "CONCRETE REMOVAL".
- \*\*\* REMOVAL OF EXISTING STUDS FROM GIRDERS G4 AND G5, AND PLACEMENT OF NEW STUDS SHALL BE INCLUDED IN THE COST OF STUD SHEAR CONNECTORS. SEE GIRDER DETAILS SHEET.

STATION 154+17.98  
REBUILT 20-- BY  
CITY OF EAST PEORIA  
F.A.U. RT. 6713  
SEC. 05-00148-00-PV  
LOADING HS20  
STR. NO. 090-0027

**NAME PLATE**  
SEE STD. 515001

**WATERWAY INFORMATION**

DRAINAGE AREA = 62.9 SQ. MI.		LOW GRADE ELEV. 454.66 @ STA. 148+42.84							
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		NAT. H.W.E.	HEAD - FT.		HEADWATER EL.	
			EXIST.	PROP. *		EXIST.	PROP.	EXIST.	PROP.
DESIGN	50	7650	939	939	455.9	0.0	0.0	455.9	455.9
BASE	100	8800	991	991	456.5	0.0	0.0	456.5	456.5
OVERTOPPING									
MAX. CALC.	500	11,500	1113	1113	457.9	0.0	0.0	457.9	457.9

\* NOTE: CHANNEL IS LEVEED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL GENERAL NOTES & TOTAL BILL OF MATERIAL**  
SCALE: N.T.S. DRAWN BY: MGM  
DATE: 12/22/2008 CHECKED BY: PJJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	46
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

**GIRDER G4 \***

LOCATION	STATION	OFFSET (LEFT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+57.280	10.167	462.620	462.620
CTR. W. BRG.	153+60.263	10.167	462.647	462.647
A	153+70.263	10.167	462.730	462.844
B	153+80.263	10.167	462.798	463.010
C	153+90.263	10.167	462.849	463.138
D	154+00.263	10.167	462.885	463.225
E	154+10.263	10.167	462.905	463.266
F	154+20.263	10.167	462.910	463.261
G	154+30.263	10.167	462.899	463.210
H	154+40.263	10.167	462.872	463.115
I	154+50.263	10.167	462.829	462.982
CTR. E. BRG.	154+63.964	10.167	462.746	462.746
BK. E. ABUT.	154+66.947	10.167	462.724	462.724

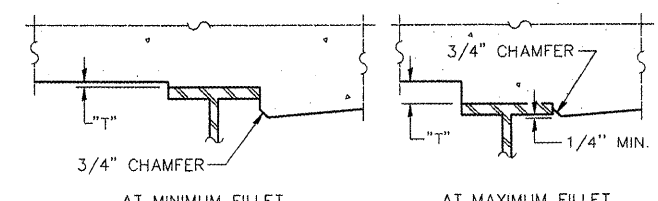
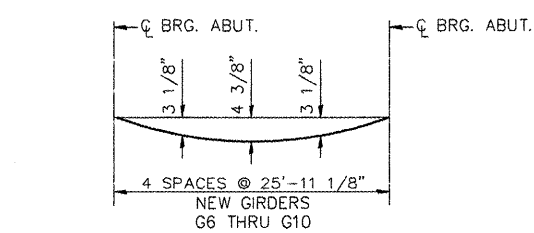
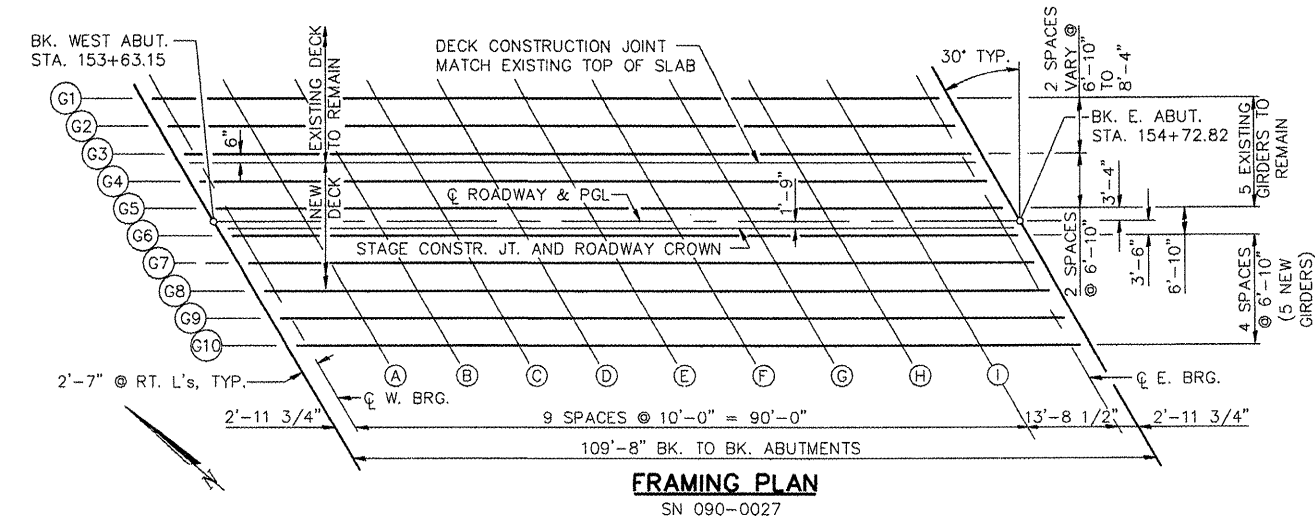
**GIRDER G5 \***

LOCATION	STATION	OFFSET (LEFT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+61.226	3.333	462.763	462.763
CTR. W. BRG.	153+64.208	3.333	462.789	462.789
A	153+74.208	3.333	462.866	462.979
B	153+84.208	3.333	462.927	463.139
C	153+94.208	3.333	462.972	463.261
D	154+04.208	3.333	463.002	463.341
E	154+14.208	3.333	463.016	463.377
F	154+24.208	3.333	463.014	463.365
G	154+34.208	3.333	462.997	463.308
H	154+44.208	3.333	462.964	463.207
I	154+54.208	3.333	462.915	463.067
CTR. E. BRG.	154+67.909	3.333	462.823	462.823
BK. E. ABUT.	154+70.892	3.333	462.799	462.799

**STAGE CONSTRUCTION JOINT AND CROWN OF ROADWAY**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+63.150	0	462.832	462.832
CTR. W. BRG.	153+66.133	0	462.857	462.857
A	153+76.133	0	462.931	463.044
B	153+86.133	0	462.989	463.201
C	153+96.133	0	463.031	463.320
D	154+06.133	0	463.058	463.397
E	154+16.133	0	463.069	463.430
F	154+26.133	0	463.064	463.415
G	154+36.133	0	463.044	463.355
H	154+46.133	0	463.008	463.251
I	154+56.133	0	462.956	463.108
CTR. E. BRG.	154+69.834	0	462.860	462.860
BK. E. ABUT.	154+72.817	0	462.835	462.835

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+64.160	1.750	462.868	462.868
CTR. W. BRG.	153+67.143	1.750	462.892	462.892
A	153+77.143	1.750	462.965	463.078
B	153+87.143	1.750	463.021	463.233
C	153+97.143	1.750	463.062	463.351
D	154+07.143	1.750	463.087	463.426
E	154+17.143	1.750	463.096	463.457
F	154+27.143	1.750	463.090	463.441
G	154+37.143	1.750	463.068	463.379
H	154+47.143	1.750	463.031	463.274
I	154+57.143	1.750	462.977	463.130
CTR. E. BRG.	154+70.844	1.750	462.879	462.879
BK. E. ABUT.	154+73.827	1.750	462.854	462.854



**\* DEAD LOAD DEFLECTION DIAGRAM**  
(INCLUDES WEIGHT OF CONCRETE ONLY.)

TO DETERMINE "T": AFTER ALL STRUCTURAL STEEL HAS BEEN ERRECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS SHOWN ON DECK ELEVATION SHEETS. THESE ELEVATIONS SUBTRACTED FROM THE "THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION" SHOWN ON THIS SHEET, MINUS SLAB THICKNESS, EQUALS THE FILLET HEIGHTS "T" ABOVE TOP FLANGE OF BEAMS.

NOTE:  
THE ABOVE DEFLECTIONS ARE NOT TO BE USED IN THE FIELD IF THE ENGINEER IS WORKING FROM THE GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS AS SHOWN ON DECK ELEVATION SHEETS.

**FILLET HEIGHTS**

\* FOR EXISTING GIRDERS G4 AND G5, THE "THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION" ARE BASED ON CALCULATED DEFLECTIONS FOR NEW BEAMS DURING ORIGINAL DECK PLACEMENT. THE CONTRACTOR SHALL MEASURE ELEVATIONS OF THE BOTTOM OF GIRDERS G4 AND G5 AT QUARTER POINTS OF SPAN BEFORE AND AFTER REMOVAL OF EXISTING DECK AND COMPARE THE RESULTING REBOUND TO THE CALCULATED DEAD LOAD DEFLECTION DIAGRAM. WHEN DIRECTED BY THE ENGINEER, APPROPRIATE ADJUSTMENTS TO THE "THEORETICAL GRADE ELEVATIONS" SHALL BE MADE TO COMPENSATE FOR THE MEASURED REBOUND. THE COST OF THIS WORK SHALL BE INCLUDED IN "CONCRETE SUPERSTRUCTURE".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL DECK ELEVATIONS**

SCALE: N.T.S.      DRAWN BY: MGM  
DATE: 12/22/2008      CHECKED BY: P.JL

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-IV	TAZEWELL	74	47
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

**GIRDER G6**

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+65.171	3.500	462.849	462.849
CTR. W. BRG.	153+68.154	3.500	462.873	462.873
A	153+78.154	3.500	462.944	463.057
B	153+88.154	3.500	462.998	463.211
C	153+98.154	3.500	463.038	463.327
D	154+08.154	3.500	463.061	463.401
E	154+18.154	3.500	463.069	463.430
F	154+28.154	3.500	463.061	463.412
G	154+38.154	3.500	463.038	463.349
H	154+48.154	3.500	462.999	463.242
I	154+58.154	3.500	462.944	463.096
CTR. E. BRG.	154+71.854	3.500	462.843	462.843
BK. E. ABUT.	154+74.837	3.500	462.817	462.817

**GIRDER G7**

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+69.116	10.333	462.774	462.774
CTR. W. BRG.	153+72.099	10.333	462.796	462.796
A	153+82.099	10.333	462.860	462.974
B	153+92.099	10.333	462.909	463.121
C	154+02.099	10.333	462.942	463.231
D	154+12.099	10.333	462.959	463.299
E	154+22.099	10.333	462.961	463.322
F	154+32.099	10.333	462.947	463.298
G	154+42.099	10.333	462.917	463.228
H	154+52.099	10.333	462.872	463.116
I	154+62.099	10.333	462.811	462.963
CTR. E. BRG.	154+75.800	10.333	462.702	462.702
BK. E. ABUT.	154+78.783	10.333	462.674	462.674

**GIRDER G8**

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+73.061	17.167	462.696	462.696
CTR. W. BRG.	153+76.044	17.167	462.716	462.716
A	153+86.044	17.167	462.775	462.888
B	153+96.044	17.167	462.817	463.030
C	154+06.044	17.167	462.844	463.133
D	154+16.044	17.167	462.855	463.195
E	154+26.044	17.167	462.851	463.211
F	154+36.044	17.167	462.830	463.181
G	154+46.044	17.167	462.795	463.106
H	154+56.044	17.167	462.743	462.987
I	154+66.044	17.167	462.676	462.828
CTR. E. BRG.	154+79.745	17.167	462.559	462.559
BK. E. ABUT.	154+82.728	17.167	462.529	462.529

**GIRDER G9**

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+77.006	24.000	462.616	462.616
CTR. W. BRG.	153+79.989	24.000	462.635	462.635
A	153+89.989	24.000	462.686	462.800
B	153+99.989	24.000	462.723	462.935
C	154+09.989	24.000	462.743	463.032
D	154+19.989	24.000	462.748	463.088
E	154+29.989	24.000	462.738	463.099
F	154+39.989	24.000	462.711	463.062
G	154+49.989	24.000	462.669	462.980
H	154+59.989	24.000	462.612	462.855
I	154+69.989	24.000	462.538	462.691
CTR. E. BRG.	154+83.690	24.000	462.412	462.412
BK. E. ABUT.	154+86.673	24.000	462.381	462.381

**GIRDER G10**

LOCATION	STATION	OFFSET (RIGHT)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	153+80.952	30.833	462.533	462.533
CTR. W. BRG.	153+83.935	30.833	462.550	462.550
A	153+93.935	30.833	462.596	462.709
B	154+03.935	30.833	462.626	462.839
C	154+13.935	30.833	462.641	462.929
D	154+23.935	30.833	462.639	462.979
E	154+33.935	30.833	462.622	462.983
F	154+43.935	30.833	462.590	462.941
G	154+53.935	30.833	462.542	462.853
H	154+63.935	30.833	462.478	462.721
I	154+73.935	30.833	462.398	462.551
CTR. E. BRG.	154+87.635	30.833	462.264	462.264
BK. E. ABUT.	154+90.618	30.833	462.231	462.231

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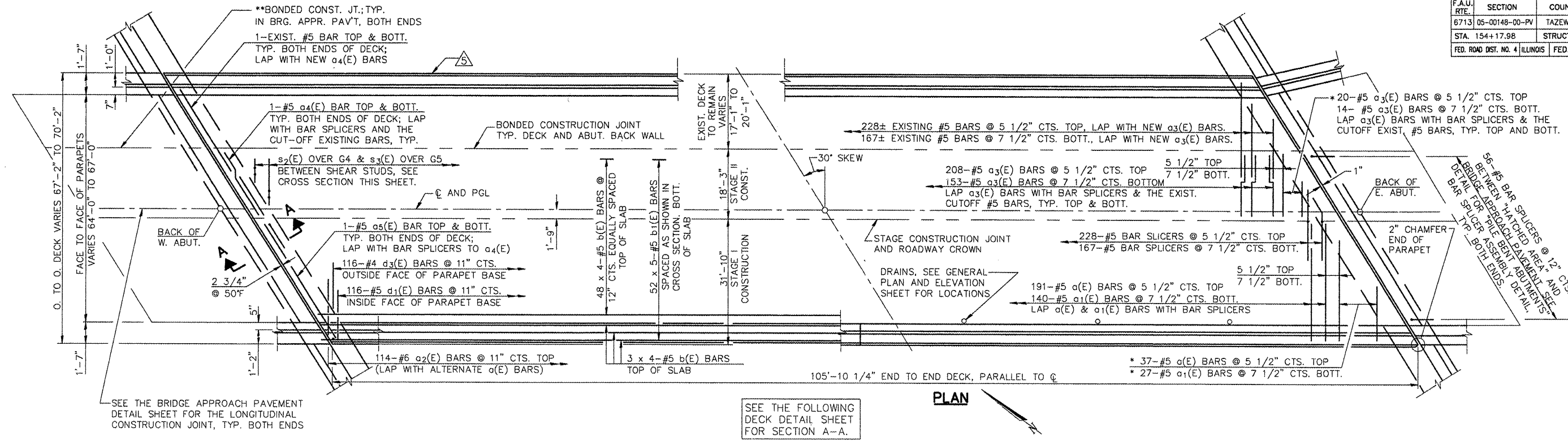
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM  
 CREEK DIVERSION CHANNEL  
 DECK ELEVATIONS**

SCALE: N.T.S.  
 DATE: 12/22/2008

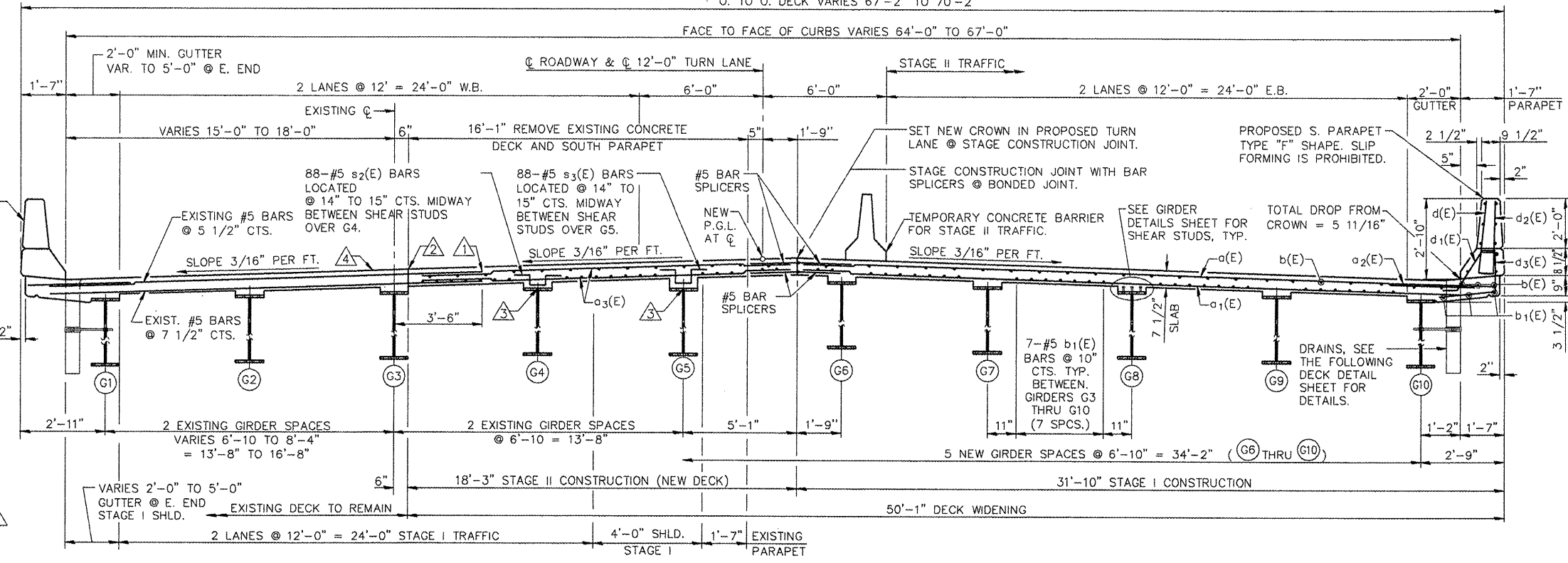
DRAWN BY: MGM  
 CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	48
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		



\* ORDER  $\alpha(E)$ ,  $\alpha_1(E)$ , &  $\alpha_3(E)$  BARS FULL LENGTH. CUT TO FIT SKEW AND USE REMAINDER OF BARS IN OPPOSITE END.

- NOTES
- SEE THE FOLLOWING DECK DETAIL SHEET FOR SUPERSTRUCTURE DETAILS AND BILL OF MATERIAL.
  - REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
  - BARS INDICATED THUS 20 X 3-#5 ETC. INDICATES 20 LINES OF BARS WITH 3 LENGTHS PER LINE.
  - SEE THE FOLLOWING DECK DETAIL SHEET FOR PARAPET REINFORCEMENT.
  - SEE THE FOLLOWING DECK DETAIL SHEET FOR REINFORCEMENT BAR LAP LENGTHS.
  - SEE BRIDGE JOINT SYSTEMS SHEET FOR BRIDGE JOINT DETAILS.



- NOTES:
- SAW CUT EXISTING DECK, THRU FULL DEPTH.
  - SAW CUT 3/4" DEEP AT TOP AND BOTTOM OF SLAB, CHIP TO REMOVE CONCRETE FROM REBAR BETWEEN AND LAP NEW REBAR TO EXISTING; BOND NEW CONCRETE TO EXISTING FOR JOINT AT  $\Delta$ .
  - REMOVE EXISTING SHEAR STUDS AND REPLACE WITH LONGER STUDS WHEN REMOVING CONCRETE DECK; USE STIRRUPS TO REINFORCE TALL FILLETS. TYP. AT  $\Delta$  AND  $\Delta$ .
  - REPLACE DECK JOINT SEALS, BOTH ENDS FULL WIDTH.
  - EPOXY CRACK INJECT EXISTING CRACKS AND REPAIR 1 PARAPET JOINT IN EXISTING NORTH PARAPET: (SEE QUANTITIES THIS SHT.)
- \*\* USE SIMILAR REMOVAL ( $\Delta$  AND  $\Delta$ ) FOR BRIDGE APPROACH PAVT WIDENING AND TOP OF ABUTMENT BACKWALL WIDENING AT BOTH ENDS OF BRIDGE.

**QUANTITIES**

ITEM	UNIT	TOTAL
EPOXY CRACK INJECTION	FOOT	40
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ. FT.	1

**REVISIONS**

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL DECK DETAILS**

SCALE: N.T.S.

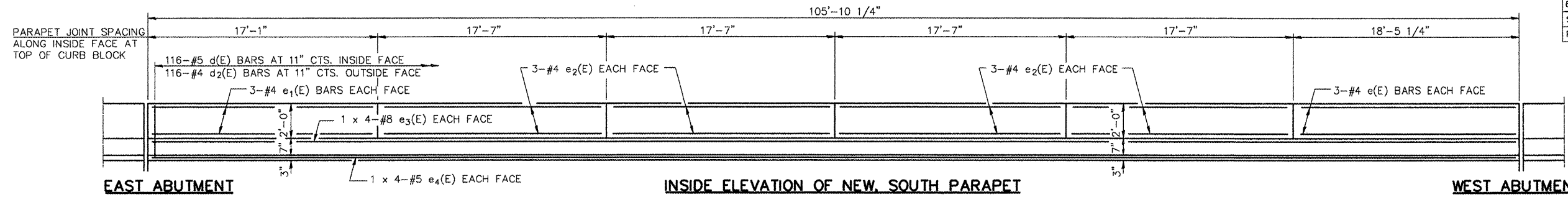
DATE: 12/22/2008

DRAWN BY: MGM

CHECKED BY: PJL



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAEWELL	74	49
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

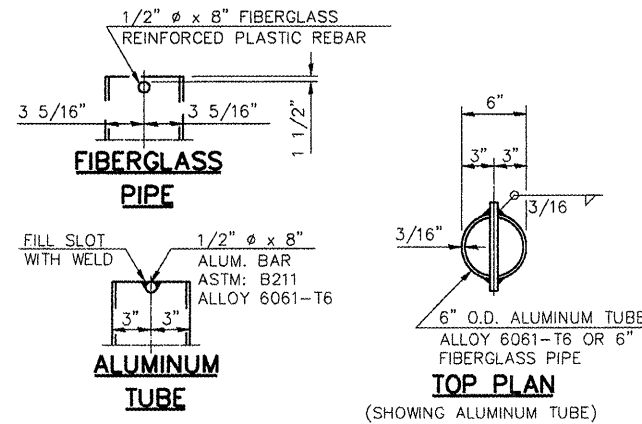


**MIN. BAR LAPS**

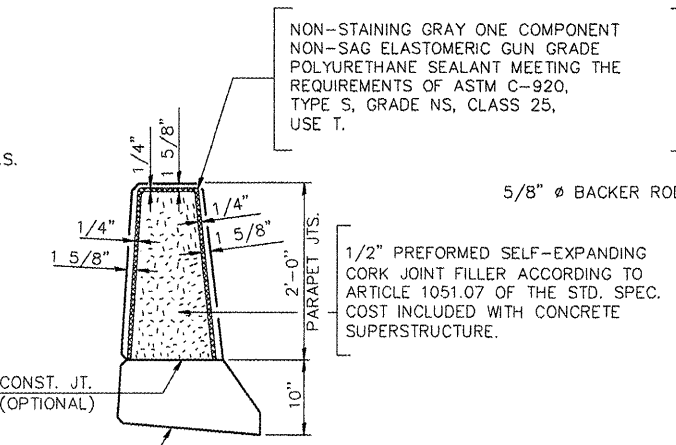
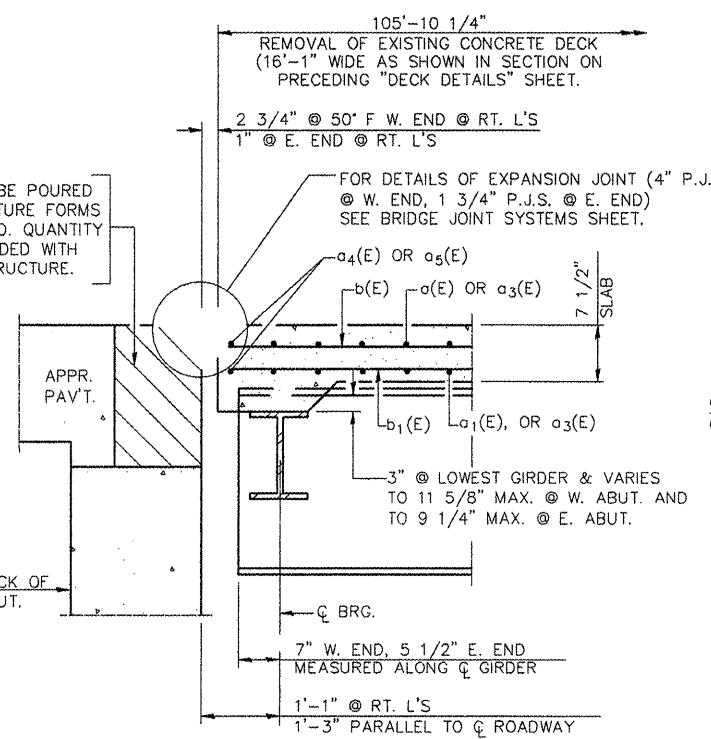
#4 BARS	= 1'-8"
#5 BARS	= 2'-2"
#6 BARS	= 2'-7"
#7 BARS	= 3'-5"
#8 BARS	= 4'-6"

**INSIDE ELEVATION OF NEW SOUTH PARAPET**  
(LOOKING SOUTH)

NOTE: THE PARAPET SLIP FORMING OPTION IS NOT PERMITTED.



HATCHED AREA TO BE POURED AFTER SUPERSTRUCTURE FORMS HAVE BEEN REMOVED. QUANTITY OF CONCRETE INCLUDED WITH CONCRETE SUPERSTRUCTURE.



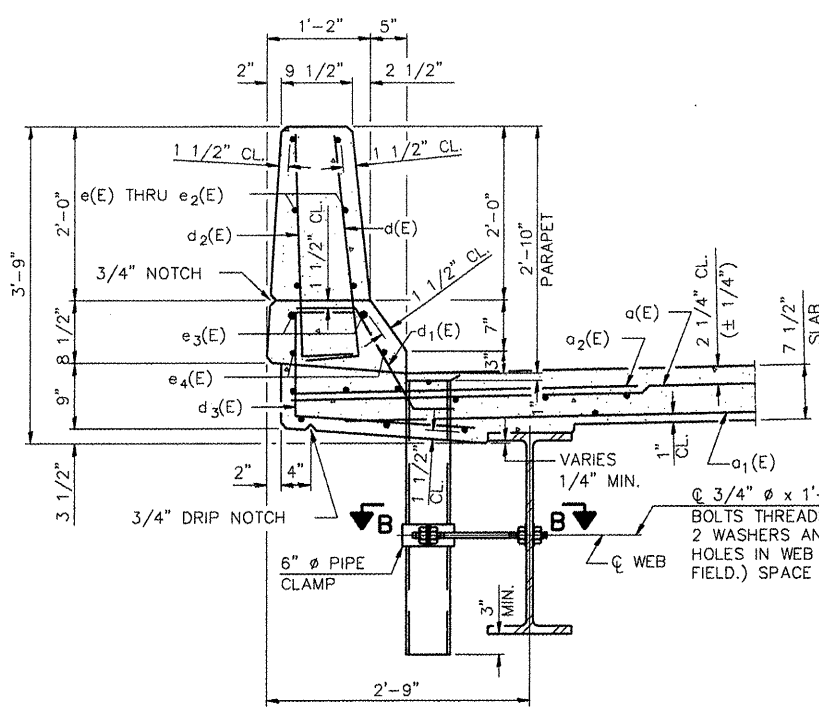
**PARAPET JOINT DETAILS**

**SUPERSTRUCTURE BILL OF MATERIAL**

BAR NO.	SIZE	LENGTH	SHAPE
a(E)	228 #5	31'-4"	—
a1(E)	167 #5	30'-6"	—
a2(E)	114 #6	4'-6"	—
a3(E)	395 #5	18'-0"	—
a4(E)	4 #5	20'-9"	—
a5(E)	4 #5	35'-3"	—
b(E)	204 #5	28'-0"	—
b1(E)	260 #5	22'-10"	—
d(E)	116 #5	3'-0"	┌
d1(E)	116 #5	2'-5"	┌
d2(E)	116 #4	3'-0"	┌
d3(E)	116 #4	3'-5"	┌
e(E)	6 #4	17'-4"	—
e1(E)	6 #4	16'-8"	—
e2(E)	24 #4	17'-2"	—
e3(E)	8 #8	29'-9"	—
e4(E)	8 #5	28'-0"	—
s2(E)	88 #4	3'-7"	┌
s3(E)	88 #4	4'-0"	┌
FLOOR DRAINS		EACH	6
PROTECTIVE COAT		SQ. YD.	636
REINFORCEMENT BARS, EPOXY COATED		LBS.	36,210
CONCRETE SUPERSTRUCTURE		CU. YDS.	149.3
BRIDGE DECK GROOVING		SQ. YD.	548

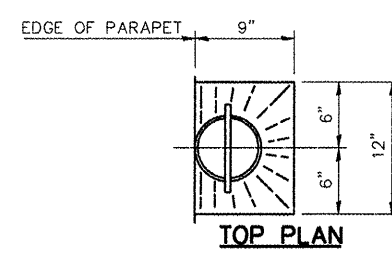
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

BARS INDICATED THUS 1 X 3 - #5 ETC. INDICATES 1 LINE OF BARS WITH 3 LENGTHS PER LINE.



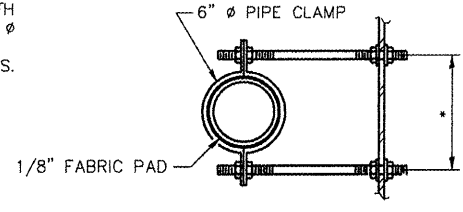
**SECTION THRU NEW SOUTH PARAPET**

**SECTION A-A**

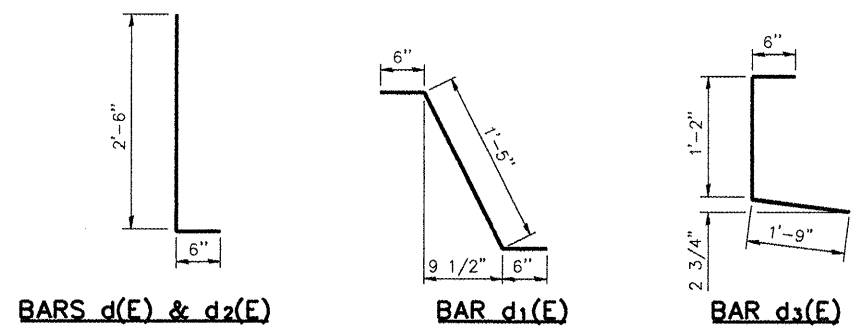


**TOP PLAN**

\* DIMENSION AS REQUIRED BY PIPE CLAMP



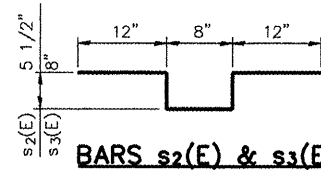
**SECTION B-B**



**BARS d(E) & d2(E)**

**BAR d1(E)**

**BAR d3(E)**



**BARS s2(E) & s3(E)**

s2(E) OVER GIRDER G4 & s3(E) OVER GIRDER G5

REVISIONS	
NAME	DATE

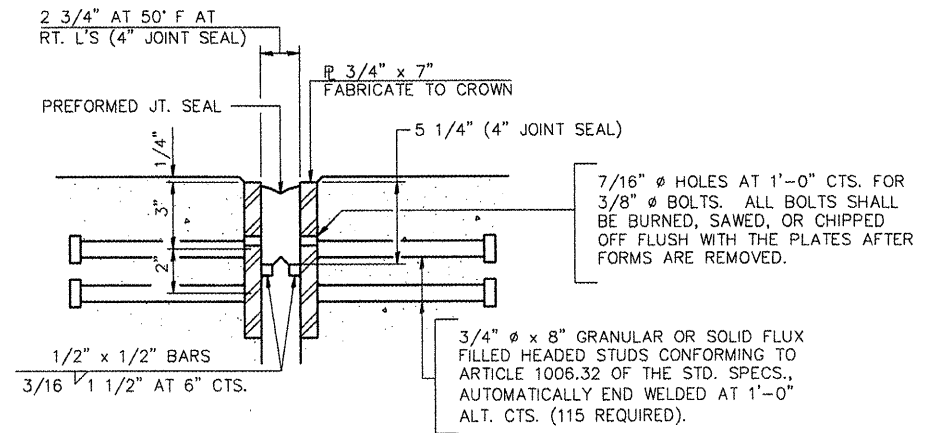
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL DECK DETAILS**

SCALE: N.T.S. DRAWN BY: MGM  
DATE: 12/22/2008 CHECKED BY: P.JL

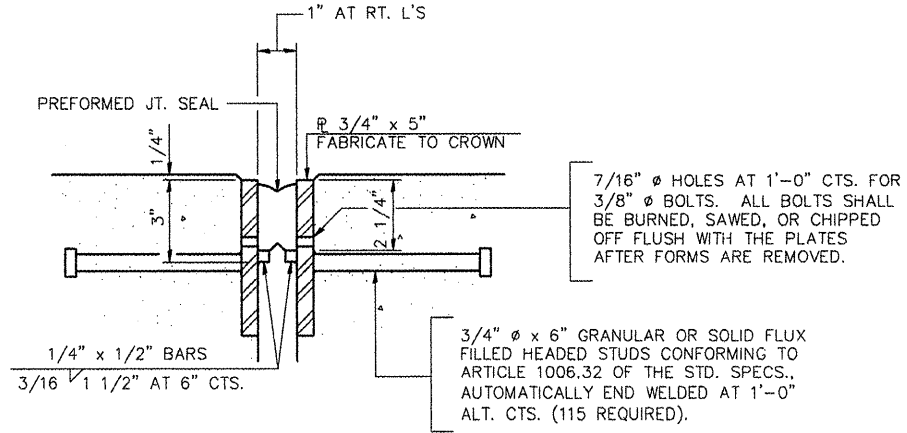
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	50
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

**GENERAL NOTES**

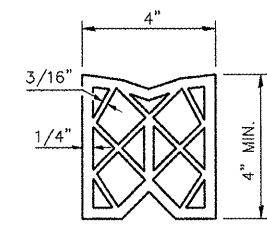
FURNISH STEEL PLATES IN SEGMENTS OF 20 FEET MAXIMUM LENGTH. MAXIMUM SPACE BETWEEN INSTALLED SEGMENTS SHALL BE 3/16". SEAL SPACE WITH SILICON SEALANT SUITABLE FOR STRUCTURAL STEEL.



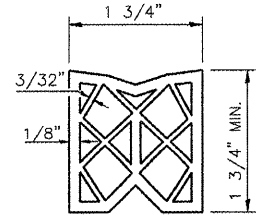
**SECTION THRU EXPANSION JOINT AT W. ABUT.**  
(4" JOINT SEALS)



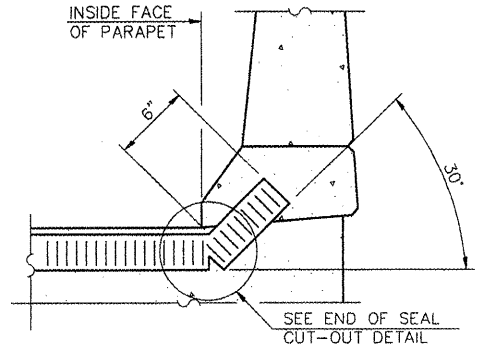
**SECTION THRU FIXED PREFORMED JOINT SEAL AT E. ABUT.**  
(1 3/4" JOINT SEALS)



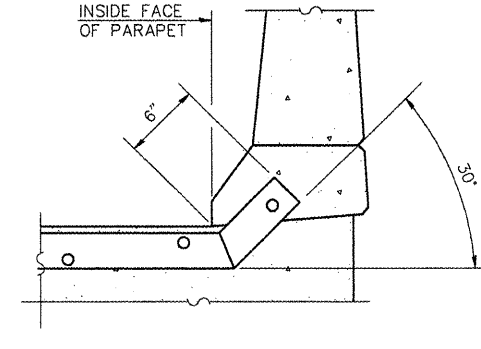
**PREFORMED JOINT SEAL (4") AT W. ABUT.**



**PREFORMED JOINT SEAL (1 3/4") AT E. ABUT.**

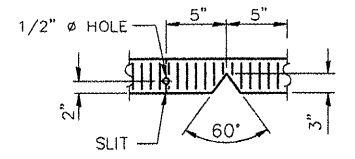


**AT NEW SOUTH PARAPET (SHOWING SEAL)**

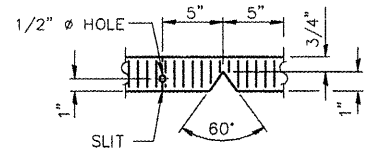


**AT NEW SOUTH PARAPET (SHOWING PLATE)**

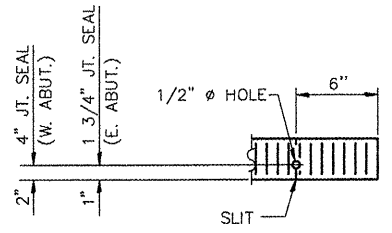
**TYPICAL END OF SEAL TREATMENTS AT BOTH ABUTMENTS**



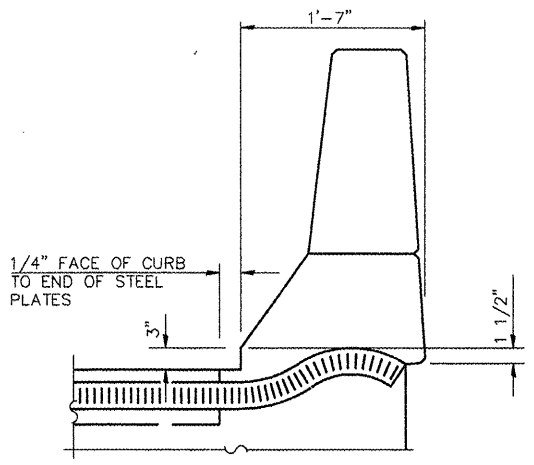
**SEAL CUT-OUT (4") AT NORTH PARAPET AT W. ABUT.**



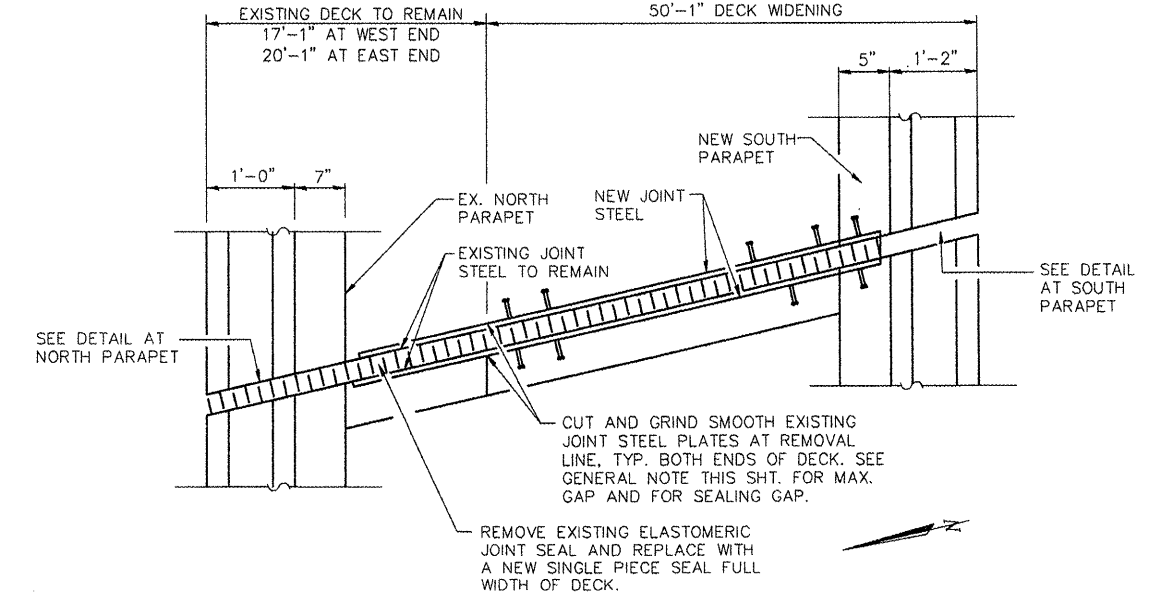
**SEAL CUT-OUT (1 3/4") AT NORTH PARAPET AT E. ABUT.**



**END OF SEAL CUT-OUT AT NEW SOUTH PARAPET**



**TYPICAL END OF SEAL TREATMENTS, BOTH ABUT. AT EXISTING N. PARAPET**  
 MATCH EXISTING DETAIL TO REPLACE JOINT SEALS.



**PLAN AT ENDS OF DECK (WEST END SHOWN, EAST END SIMILAR)**

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
PREFORMED JOINT SEAL, 1 3/4"	FOOT	79.6
PREFORMED JOINT SEAL, 4"	FOOT	76.1

SEE SPECIAL PROVISIONS

REVISIONS	
NAME	DATE

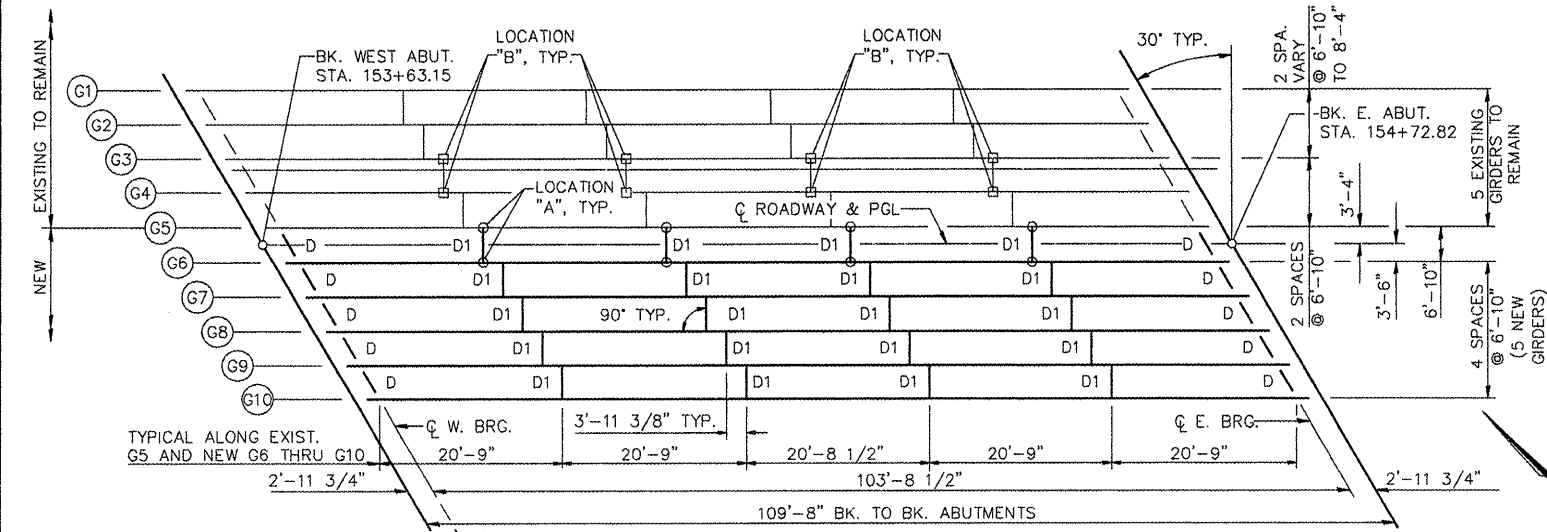
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL BRIDGE JOINT SYSTEMS**  
 SCALE: N.T.S.  
 DATE: 12/22/2008  
 DRAWN BY: MGM  
 CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	51
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

**NEW GIRDER TOP OF WEB ELEVATIONS & CAMBER**

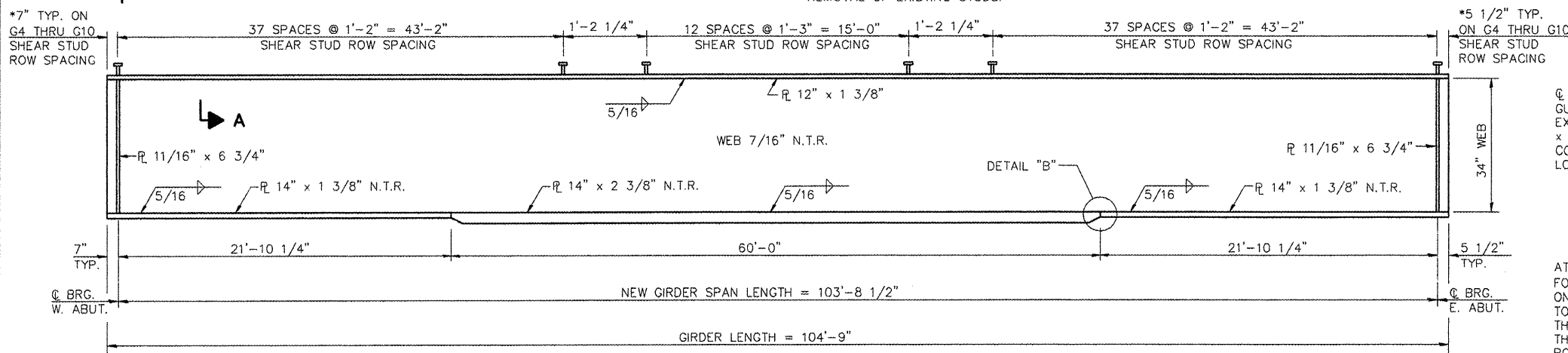
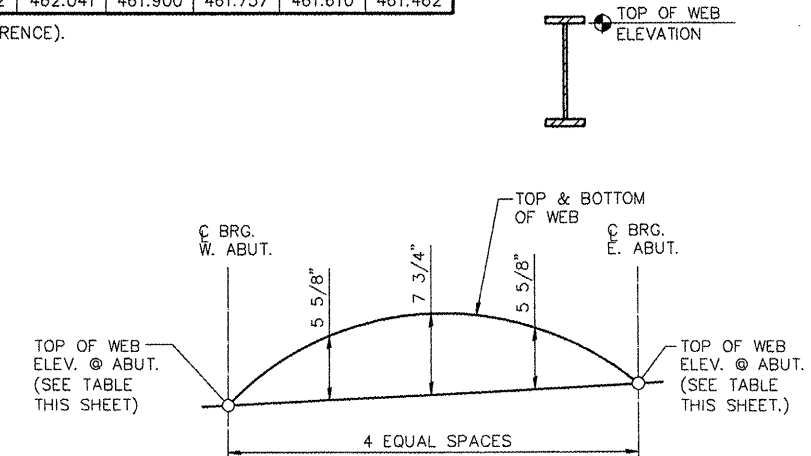
TOP OF WEB @ C BEARING WEST ABUT.	G4	G5	G6	G7	G8	G9	G10
461.583	461.661	462.071	461.994	461.914	461.833	461.748	
TOP OF WEB @ C BEARING EAST ABUT.	461.511	461.522	462.041	461.900	461.757	461.610	461.462

NOTE: FOR FABRICATION USE ONLY (G4 & G5 GIVEN FOR REFERENCE).



**AT 8 LOCATIONS "B"**

1. DURING STAGE II CONSTRUCTION, PRIOR TO REMOVAL OF EXISTING DECK, TEMPORARILY REMOVE 4 EXISTING DIAPHRAGMS, FORM 1 1/2" VERTICAL LONG SLOTTED HOLES IN CONNECTOR PLATES. REINSTALL DIAPHRAGMS WITH NEW 3/4" Ø HS BOLTS IN FINGER TIGHTENED CONDITION.
2. FULLY TIGHTEN BOLTS AFTER COMPLETION OF STAGE II POURING.
3. THIS WORK SHALL BE INCLUDED IN FURNISHING AND ERECTING STRUCTURAL STEEL.



**NEW GIRDER G6 THRU G10 ELEVATION**

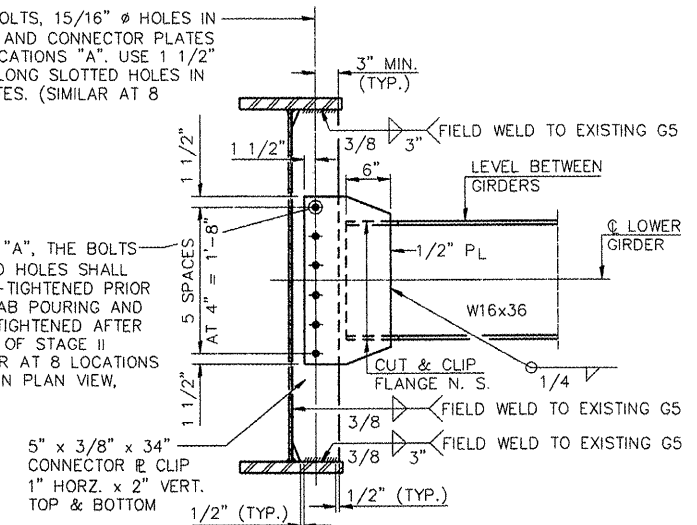
"NTR" DENOTES PLATES TO WHICH NOTCH TOUGHNESS REQUIREMENTS ARE APPLICABLE.

**NOTES:**

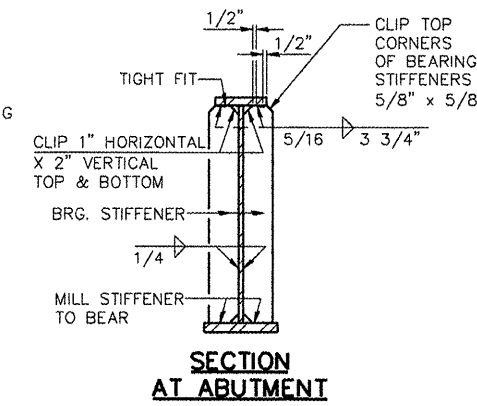
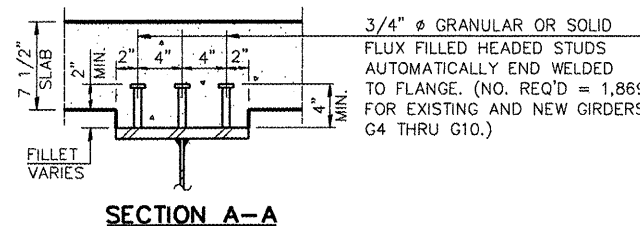
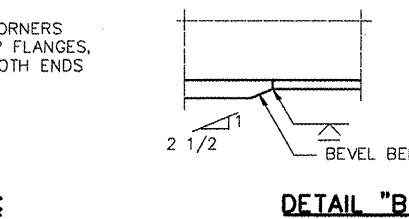
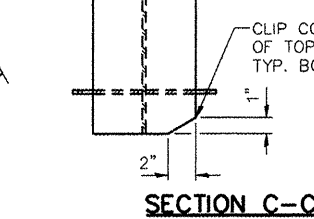
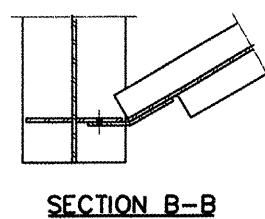
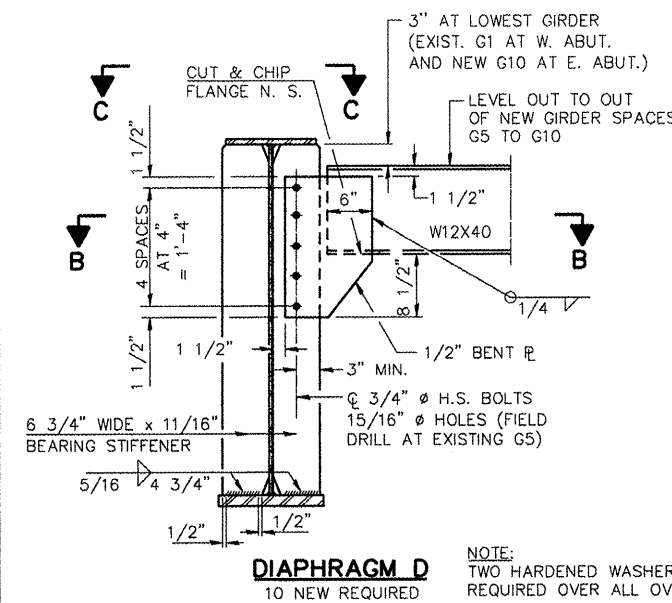
1. REMOVE EXISTING SHEAR STUDS ON GIRDERS G4 AND G5, REPLACE WITH LONGER STUDS TO COMPENSATE FOR TALLER FILLET. IN CASE OF A PULLOUT OF METAL, THE POCKET SHALL BE WELDED ACCORDING TO ARTICLE 505.04(Q) USING THE SHIELDED METAL-ARC PROCESS WITH LOW HYDROGEN ELECTRODES AND THEN GROUND FLUSH. COST OF REMOVING EXISTING STUDS, WELDING, AND GRINDING TOP SURFACE OF GIRDERS SMOOTH AND FLUSH IS INCLUDED IN STUD SHEAR CONNECTORS.
2. SEE CROSS SECTION, DECK DETAILS SHEET FOR FILLET STIRRUPS AT G4 AND G5.

Ø 3/4" Ø H.S. BOLTS, 15/16" Ø HOLES IN GUSSET PLATES, AND CONNECTOR PLATES EXCEPT AT 8 LOCATIONS "A". USE 1 1/2" x 13/16" VERT. LONG SLOTTED HOLES IN CONNECTOR PLATES. (SIMILAR AT 8 LOCATIONS "B")

AT 8 LOCATIONS "A", THE BOLTS FOR THE SLOTTED HOLES SHALL ONLY BE FINGER-TIGHTENED PRIOR TO THE DECK SLAB POURING AND THEN BE FULLY TIGHTENED AFTER THE COMPLETION OF STAGE II POURING. (SIMILAR AT 8 LOCATIONS "B". SEE NOTES IN PLAN VIEW, THIS SHEET.)



NOTE:  
HARDENED WASHERS SHALL BE REQUIRED OVER ALL 15/16" Ø HOLES. 5/16" STRUCTURAL PLATE WASHERS SHALL BE REQUIRED OVER ALL 1 1/2" x 13/16" SLOTTED HOLES AT 8 LOCATIONS "A" AND 8 LOCATIONS "B".

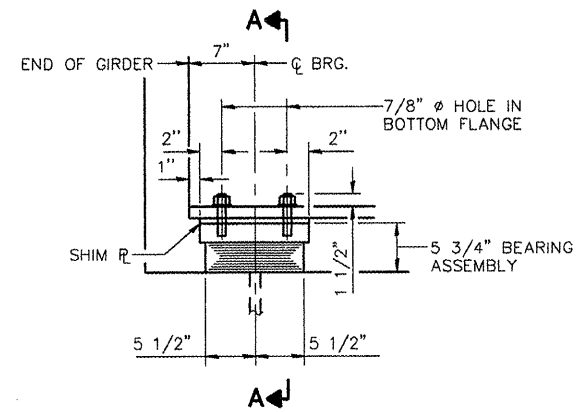


REVISIONS	
NAME	DATE

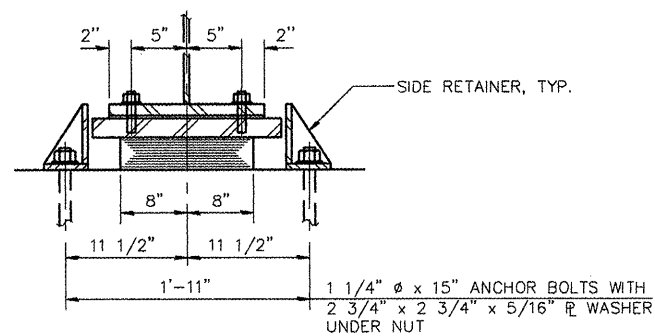
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL GIRDER DETAILS**

SCALE: N.T.S.  
DATE: 12/22/2008  
DRAWN BY: MGM  
CHECKED BY: P.JL

F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	52
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



ELEVATION AT WEST ABUT.



SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

NOTES:  
ANCHOR BOLTS AT FIXED BEARINGS MAY BE BUILT INTO THE MASONRY. SEE ANCHOR BOLT DETAILS FOR BEARINGS SHEET FOR ANCHOR BOLT INSTALLATION.

INTERIOR GIRDER REACTION TABLE

NEW GIRDERS G6 THRU G10

	ABUTMENT
R <sub>D</sub>	(K) 64.3
R <sub>L</sub>	(K) 40.7
IMP.	(K) 8.9
R (TOTAL)	(K) 113.9

INTERIOR GIRDER MOMENT TABLE

NEW GIRDERS G6 THRU G10

		0.2 & 0.8 SPAN (@ E JOINTS)	0.5 SPAN (@ E)
I <sub>s</sub>	(in. <sup>4</sup> )	12,576	16,097
I <sub>c</sub> (n)	(in. <sup>4</sup> )	28,387	40,555
I <sub>c</sub> (3n)	(in. <sup>4</sup> )	21,061	28,460
S <sub>s</sub>	(in. <sup>3</sup> )	722	1,108
S <sub>c</sub> (n)	(in. <sup>3</sup> )	926	1,429
S <sub>c</sub> (3n)	(in. <sup>3</sup> )	857	1,320
Z	(in. <sup>3</sup> )		
D	(K/ft.)	0.891	0.891
M <sub>D</sub>	(k)	802	1,212
s <sub>D</sub>	(K/ft.)	0.35	0.35
M <sub>sD</sub>	(k)	313	470
M <sub>L</sub>	(k)	682	985
M	(k)	149	216
S <sub>3</sub> (M <sub>L</sub> +M(IMP))	(k)	1,385	2,002
M <sub>a</sub>	(k)	3,250	4,789
M <sub>u</sub>	(k)		
f <sub>sD</sub> (NON-COMP)	(k.s.i.)	13.3	13.1
f <sub>sD</sub> (COMP)	(k.s.i.)	4.4	4.3
f <sub>s3</sub> (L+IMP)	(k.s.i.)	17.9	18.8
f <sub>s</sub> (OVERLOAD)	(k.s.i.)	35.6	34.2
f <sub>s</sub> (TOTAL)	(k.s.i.)	46.3	44.5
VR	(K)	49.6	

I<sub>s</sub> AND S<sub>s</sub> ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE STEEL SECTION USED IN COMPUTING f<sub>s</sub> (TOTAL & OVERLOAD).

I<sub>c</sub> (n) AND S<sub>c</sub> (n) ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE COMPOSITE SECTION USED IN COMPUTING STRESSES DUE TO LIVE LOAD.

I<sub>c</sub> (3n) AND S<sub>c</sub> (3n) ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE COMPOSITE SECTION USED IN COMPUTING STRESSES DUE TO SUPERIMPOSED DEAD LOADS. (SEE AASHTO 10.38)

VR IS THE MAXIMUM LIVE LOAD + IMPACT SHEAR RANGE IN SPAN.

Z IS THE PLASTIC SECTION MODULUS USED TO DETERMINE THE FULLY PLASTIC MOMENTS IN THE NON-COMPOSITE AREAS.

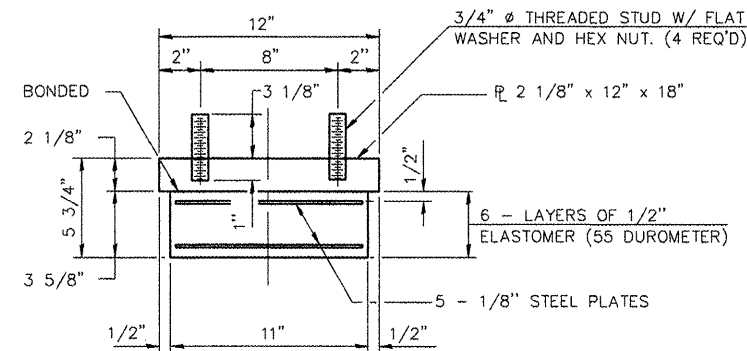
M<sub>a</sub> (APPLIED MOMENT) = 1.3[M<sub>D</sub> + M<sub>sD</sub> + S<sub>3</sub>(M<sub>L</sub> + M(IMP))].

THE PLASTIC MOMENT CAPACITY (M<sub>u</sub>) IS COMPUTED ACCORDING TO AASHTO 10.48.1 AND 10.50.1.1.

f<sub>s</sub> (OVERLOAD) IS THE SUM OF THE STRESSES DUE TO M<sub>D</sub> + M<sub>sD</sub> + S<sub>3</sub>(M<sub>L</sub> + M(IMP)).

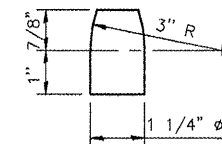
f<sub>s</sub> (TOTAL) (NON-COMPACT SECTION) IS THE SUM OF THE STRESSES DUE TO 1.3[M<sub>D</sub> + M<sub>sD</sub> + S<sub>3</sub>(M<sub>L</sub> + M(IMP))].

THE STRUCTURAL STEEL FOR THE WELDED PLATE GIRDER FLANGES, WEBS, AND ATTACHED STIFFENERS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270, GRADE 50.



BEARING ASSEMBLY

NOTE:  
SHIM PLATES SHALL NOT BE PLACED UNDER BEARING ASSEMBLY.

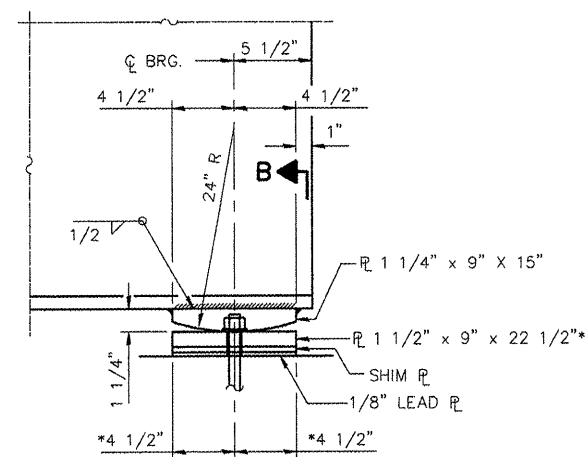


PINTLE

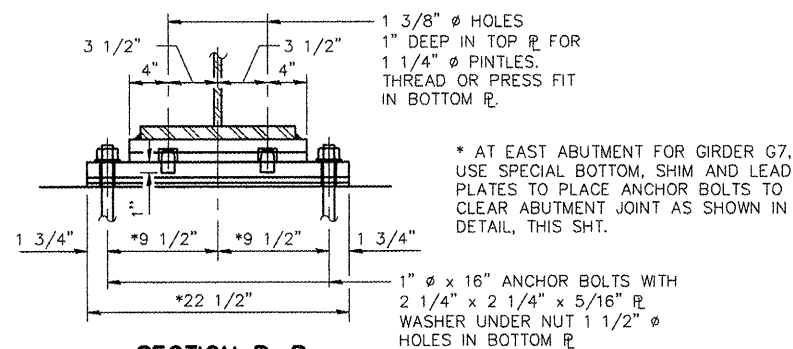
STEEL FOR BEARINGS AND SIDE RETAINERS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270, GRADE 50.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	5



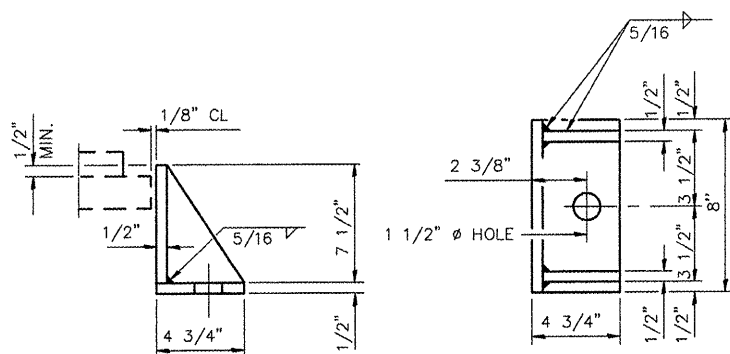
ELEVATION AT EAST ABUT.



SECTION B-B

FIXED BEARING

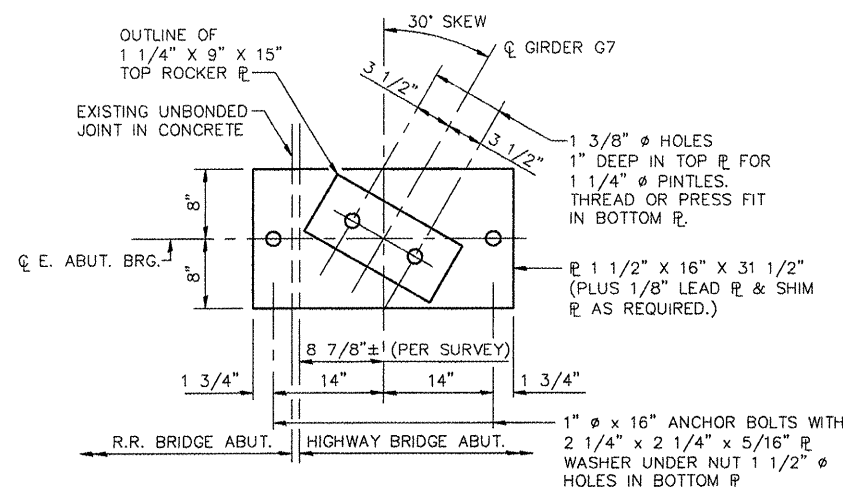
NEW GIRDERS G6 THRU G10



SIDE RETAINER

(10 REQUIRED)

EQUIVALENT ROLLED ANGLE WITH STIFFENERS WILL BE ALLOWED IN LIEU OF WELDED PLATES. WEIGHT INCLUDED WITH STRUCTURAL STEEL.



PLAN VIEW DETAIL

GIRDER G7 BEARING AT EAST ABUTMENT.

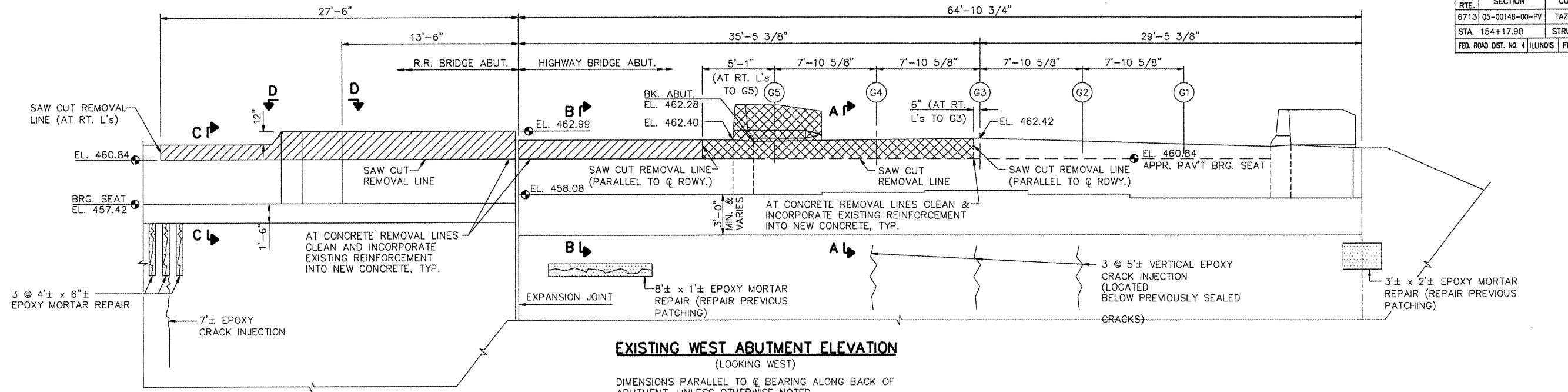
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL BEARING DETAILS**

SCALE: N.T.S.  
DATE: 12/22/2008

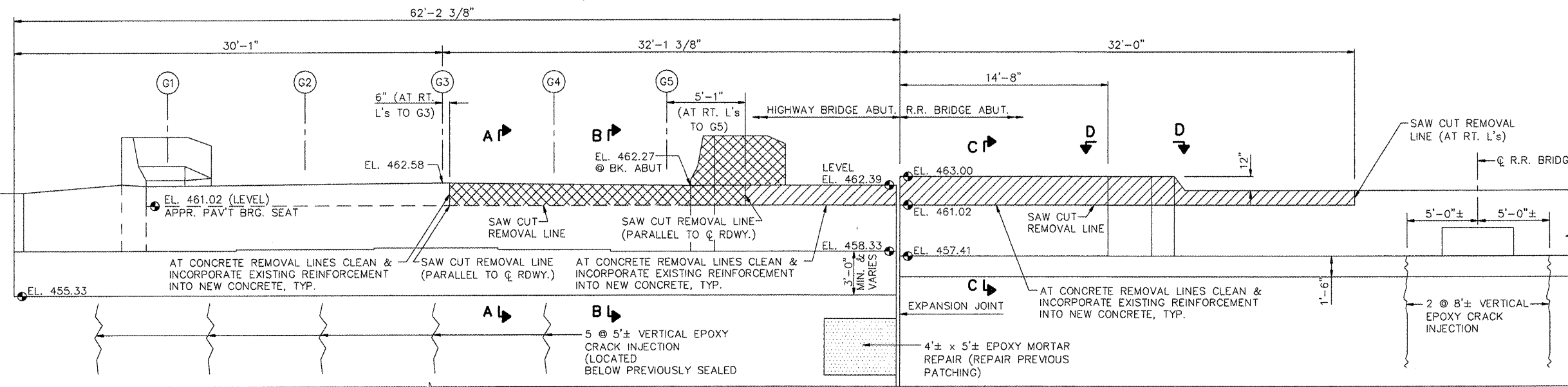
DRAWN BY: MGM  
CHECKED BY: P.JL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	53
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



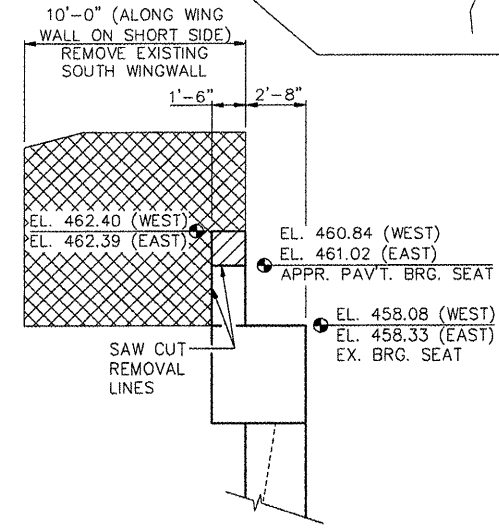
**EXISTING WEST ABUTMENT ELEVATION**  
(LOOKING WEST)

DIMENSIONS PARALLEL TO  $\phi$  BEARING ALONG BACK OF ABUTMENT, UNLESS OTHERWISE NOTED.



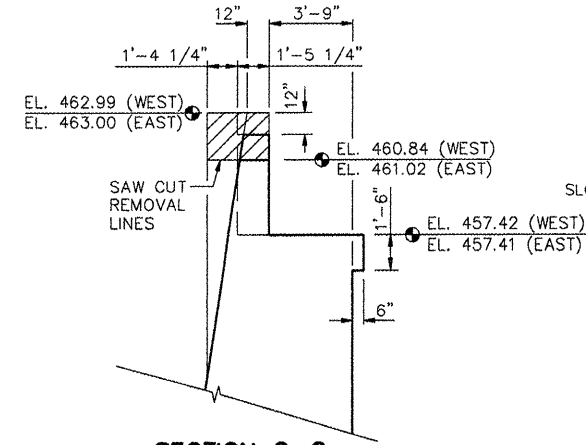
**EXISTING EAST ABUTMENT ELEVATION**  
(LOOKING EAST)

DIMENSIONS PARALLEL TO  $\phi$  BEARING ALONG BACK OF ABUTMENT, UNLESS OTHERWISE NOTED.



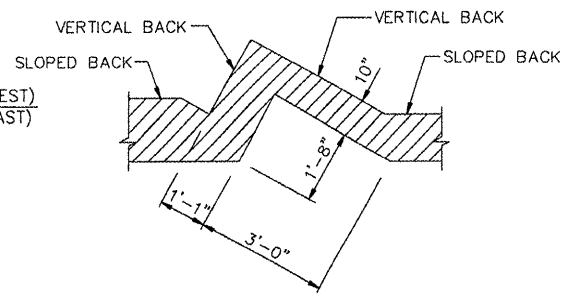
**SECTION B-B**

DIMENSIONS AT RT. L'S UNLESS NOTED OTHERWISE.



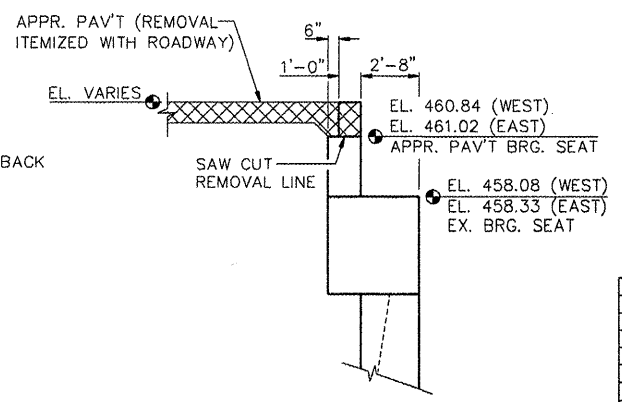
**SECTION C-C**

DIMENSIONS AT RT. L'S



**SECTION D-D**

TOP OF BACK WALL DETAIL.



**SECTION A-A**

DIMENSIONS AT RT. L'S

- STAGE I CONCRETE REMOVAL
- STAGE II CONCRETE REMOVAL

**QUANTITIES**

ITEM	UNIT	W. ABUT.	E. ABUT.
CONCRETE REMOVAL	CU. YD.	8.3	8.0
EPOXY CRACK INJECTION	FT.	22	41
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ. FT.	20	20

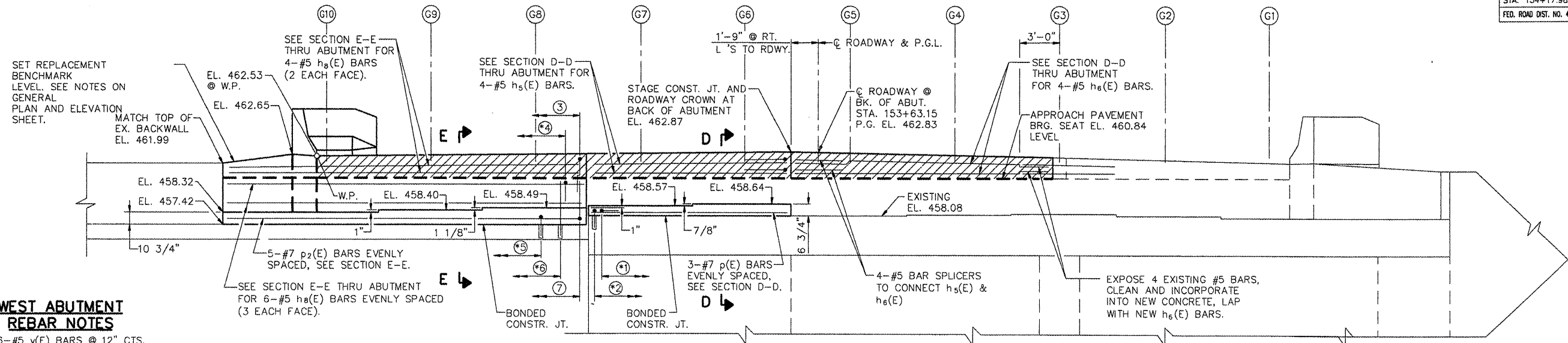
NOTE: DO NOT PLUG EXISTING WEEPHOLES WITH EPOXY CRACK INJECTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL**  
**EXISTING ABUTMENT DEMOLITION & REPAIR**

SCALE: N.T.S. DRAWN BY: MGM  
DATE: 12/22/2008 CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	54
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

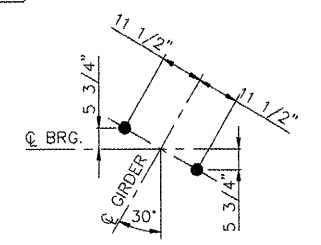


**WEST ABUTMENT REBAR NOTES**

- ① 16-#5 v(E) BARS @ 12" CTS.
- ② 16-#5 v4(E) BARS @ 12" CTS.
- ③ 28-#5 v8(E) BARS @ 12" CTS.
- ④ 28-#5 v8(E) BARS @ 12" CTS.
- ⑤ 28-#5 v8(E) BARS @ 12" CTS.
- ⑥ 28-#5 v7(E) BARS @ 12" CTS.
- ⑦ 28-#5 v6(E) BARS @ 12" CTS.

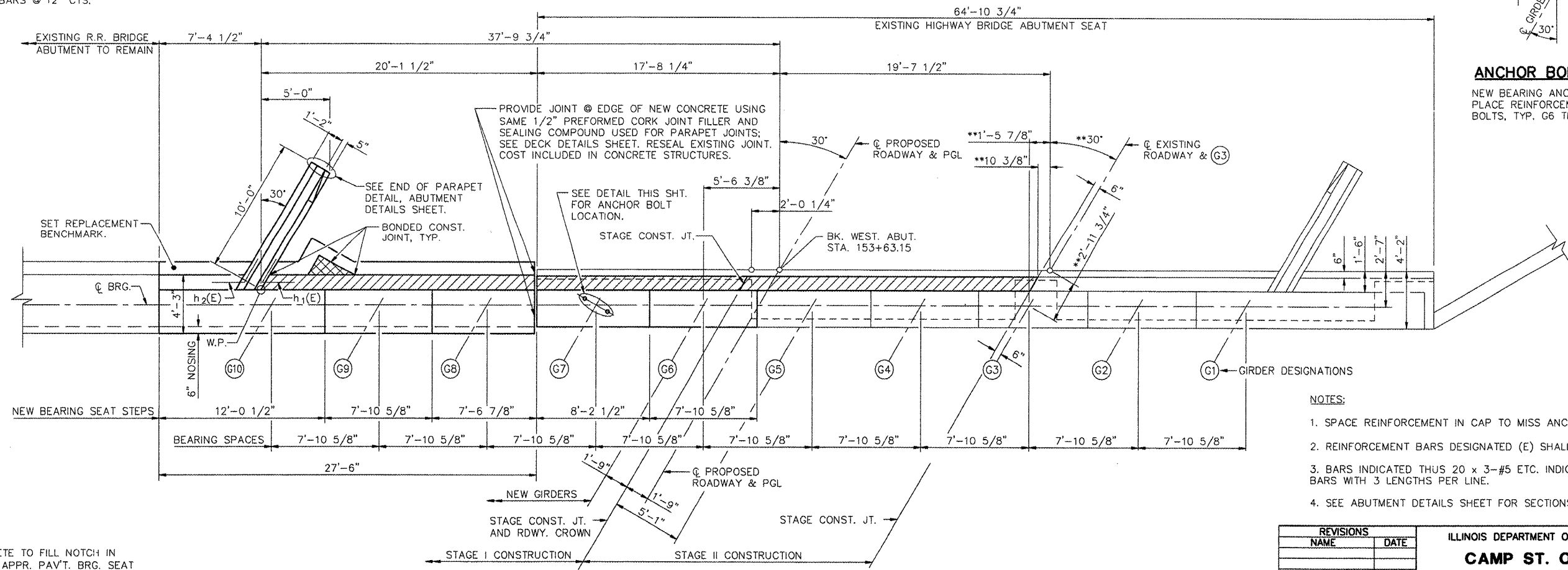
**ELEVATION LOOKING WEST**

\* DRILL AND EPOXY GROUT v(E), v4(E), v7(E), AND v8(E) BARS INTO EXISTING CONCRETE IN ACCORDANCE WITH SECTION 584 OF THE STANDARD SPECIFICATIONS, 12" MIN. EMBEDMENT, TYP.



**ANCHOR BOLT DETAIL**

NEW BEARING ANCHOR BOLT LOCATIONS. PLACE REINFORCEMENT TO MISS ANCHOR BOLTS, TYP. G6 THRU G10.



**NOTES:**

1. SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.
2. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
3. BARS INDICATED THUS 20 x 3-#5 ETC. INDICATES 20 LINES OF BARS WITH 3 LENGTHS PER LINE.
4. SEE ABUTMENT DETAILS SHEET FOR SECTIONS AND BAR BENDS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL WEST ABUTMENT DETAILS**  
 SCALE: N.T.S. DRAWN BY: MGM  
 DATE: 12/22/2008 CHECKED BY: PUL

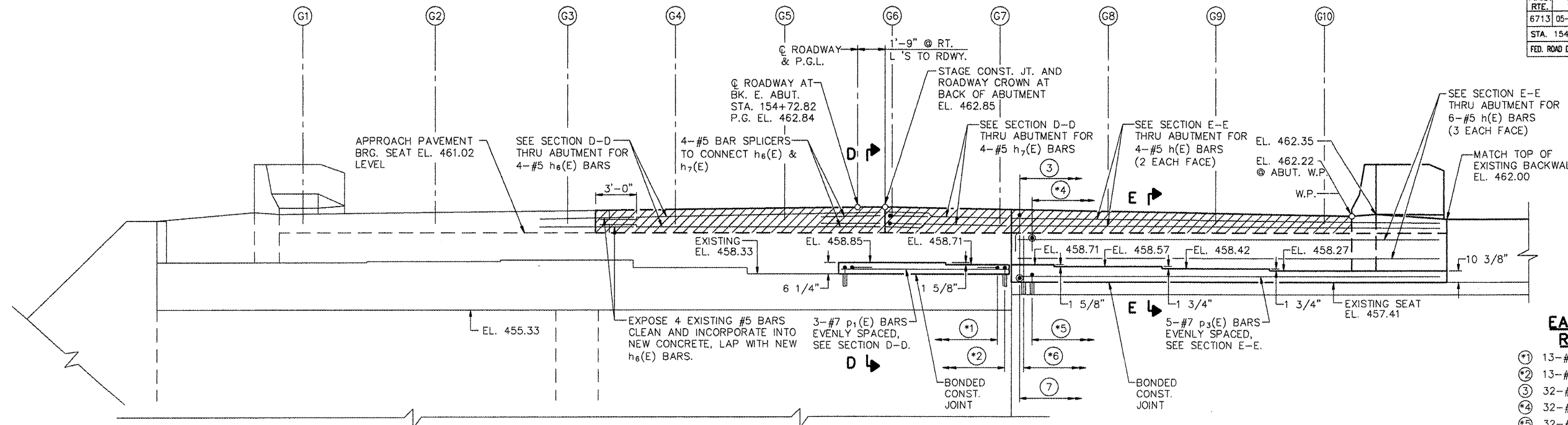
**WEST ABUTMENT PLAN**

\*\* DIMENSIONS TYPICAL G3 THRU G10.

L:\830216\BRIDGE\PLANS\11-090-0027.dwg

PLACE CONCRETE TO FILL NOTCH IN BACKWALL TO APPR. PAV'T. BRG. SEAT ELEV. 460.84.  
 CONCRETE PLACED AFTER SUPERSTRUCTURE FORMS HAVE BEEN REMOVED; CONCRETE QUANTITY INCLUDED WITH SUPERSTRUCTURE. MATCH EXISTING CROWN.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
6713	05-00148-00-PV	TAZEWELL	74	55
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

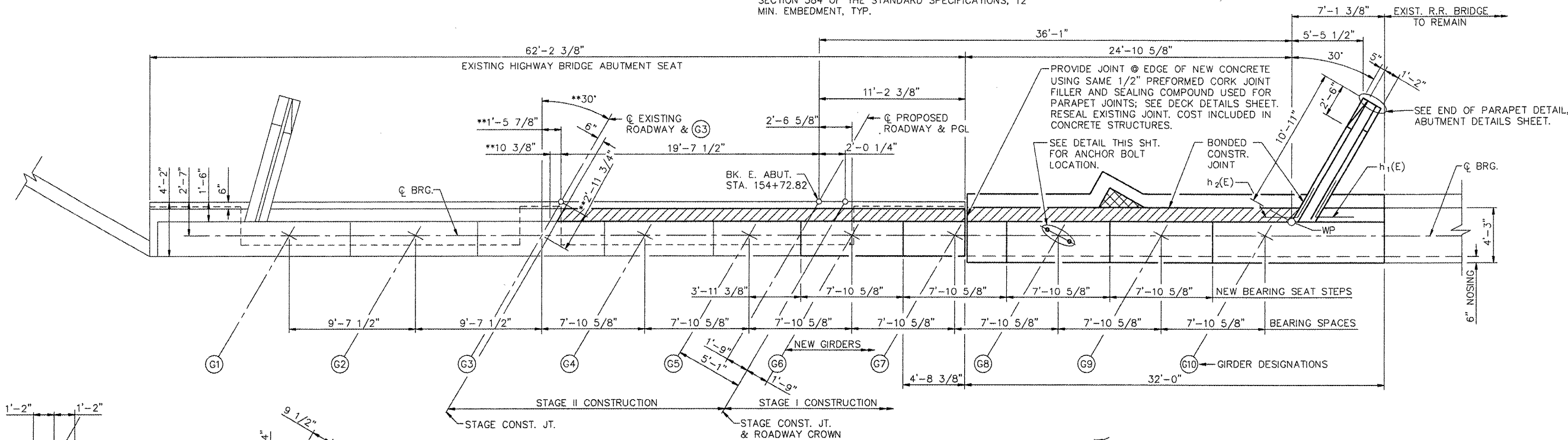


**ELEVATION LOOKING EAST**

\* DRILL AND EPOXY GROUT  $v_1(E)$ ,  $v_5(E)$ ,  $v_7(E)$ , AND  $v_8(E)$  BARS INTO EXISTING CONCRETE IN ACCORDANCE WITH SECTION 584 OF THE STANDARD SPECIFICATIONS, 12" MIN. EMBEDMENT, TYP.

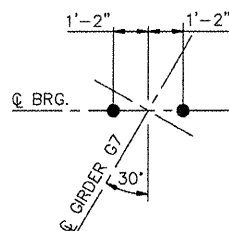
**EAST ABUTMENT REBAR NOTES**

- ① 13-#5  $v_1(E)$  BARS @ 12" CTS.
- ② 13-#5  $v_5(E)$  BARS @ 12" CTS.
- ③ 32-#5  $v_9(E)$  BARS @ 12" CTS.
- ④ 32-#5  $v_8(E)$  BARS @ 12" CTS.
- ⑤ 32-#5  $v_8(E)$  BARS @ 12" CTS.
- ⑥ 32-#5  $v_7(E)$  BARS @ 12" CTS.
- ⑦ 32-#5  $v_6(E)$  BARS @ 12" CTS.



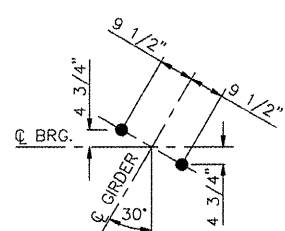
**EAST ABUTMENT PLAN**

\*\* DIMENSIONS TYPICAL G3 THRU G10.



**ANCHOR BOLT DETAIL**  
AT GIRDER: G7

PLACE BOLTS TO CLEAR JOINT IN BEARING SEAT. SEE BEARING DETAILS SHEET.



**ANCHOR BOLT DETAIL**  
AT GIRDERS: G6, & G8 THRU G10

NEW BEARING ANCHOR BOLT LOCATIONS. PLACE REINFORCEMENT TO MISS ANCHOR BOLTS, TYP. ALL GIRDERS.

- PLACE CONCRETE TO FILL NOTCH IN BACKWALL TO APPR. PAV'T. BRG. SEAT ELEV. 461.02
- CONCRETE PLACED AFTER SUPERSTRUCTURE FORMS HAVE BEEN REMOVED; CONCRETE QUANTITY INCLUDED WITH SUPERSTRUCTURE. MATCH ROADWAY CROWN.

**NOTES:**

1. SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.
2. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
3. BARS INDICATED THUS 20 x 3-#5 ETC. INDICATES 20 LINES OF BARS WITH 3 LENGTHS PER LINE.
4. SEE ABUTMENT DETAILS SHEET FOR SECTIONS AND BAR BENDS.

REVISIONS	
NAME	DATE

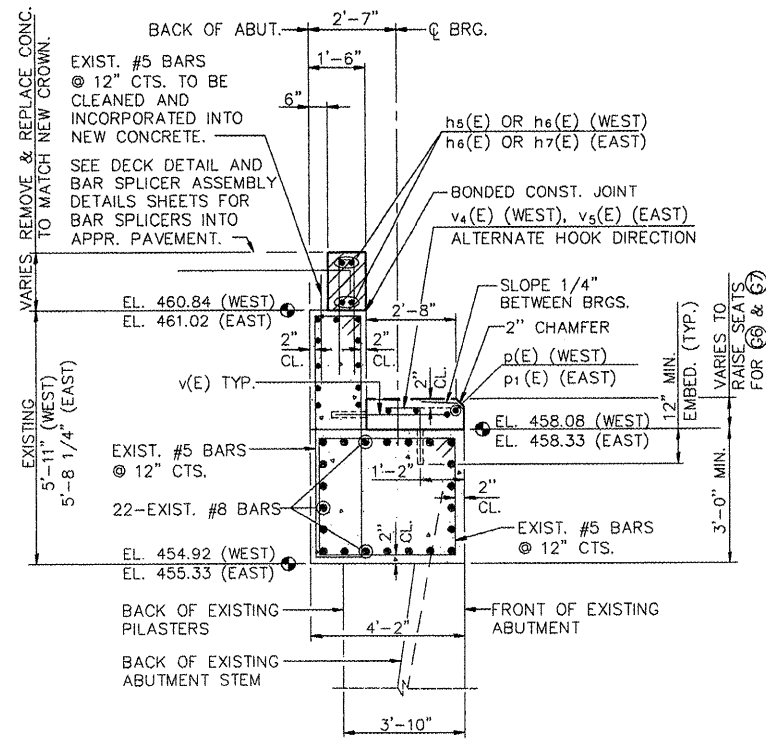
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL EAST ABUTMENT DETAILS**

SCALE: N.T.S.  
DATE: 12/22/2008

DRAWN BY: MGM  
CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	56
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

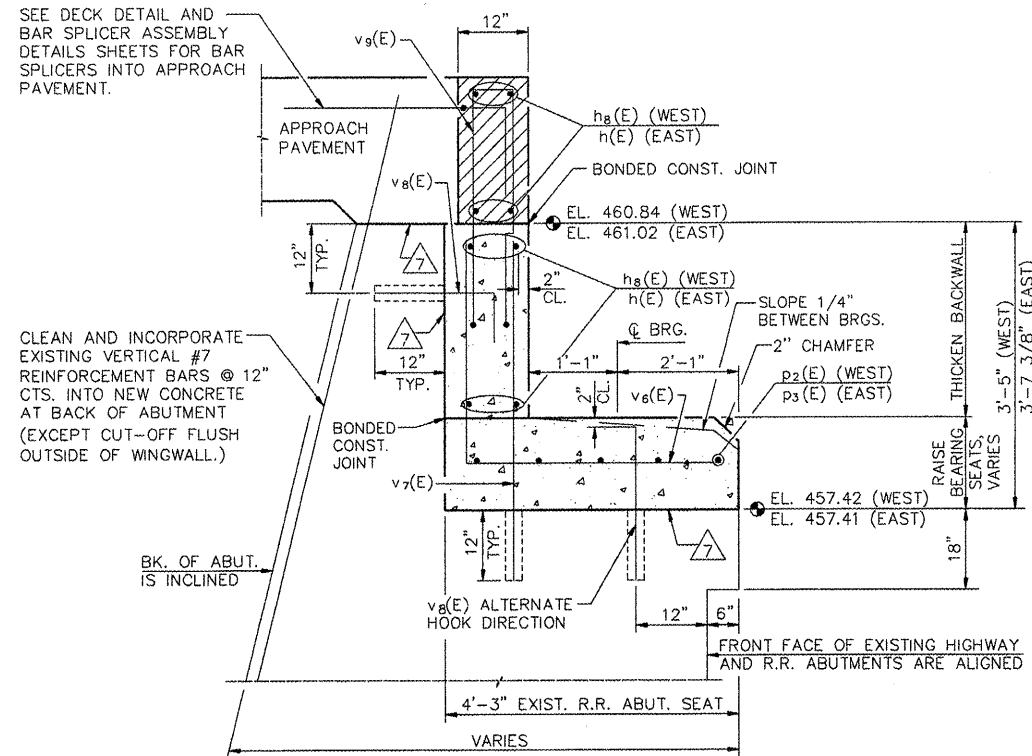
NOTE:  
FIELD CUT h<sub>1</sub>(E), h<sub>2</sub>(E), h<sub>3</sub>(E), h<sub>4</sub>(E), v<sub>1</sub>(E) & v<sub>2</sub>(E) TO CLEAR EXISTING BACK WALL CONCRETE.



**SECTION D-D**

THRU EXISTING HIGHWAY ABUTMENT (AT RIGHT ANGLES)

SEE DECK DETAIL AND BAR SPICER ASSEMBLY DETAILS SHEETS FOR BAR SPICERS INTO APPROACH PAVEMENT.

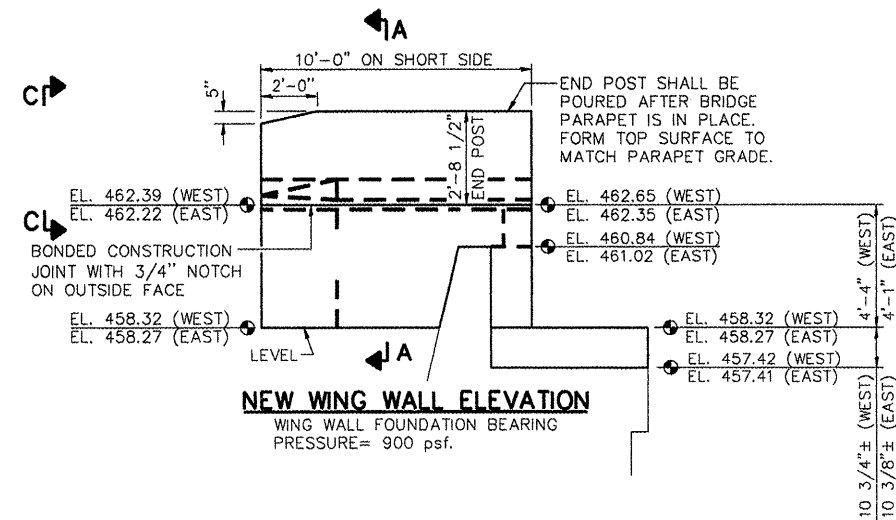


**SECTION E-E**

THRU RAILROAD ABUTMENT (AT RIGHT ANGLES)

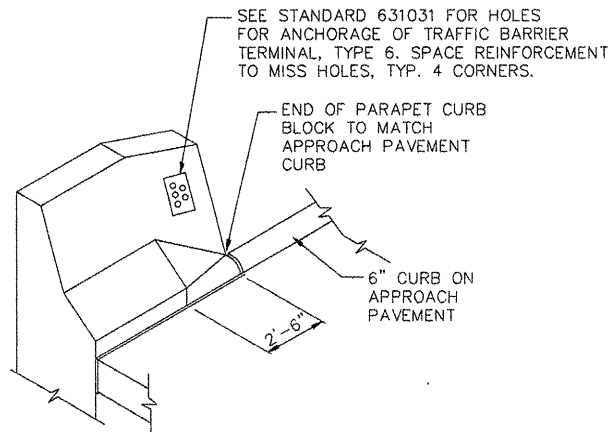
CONCRETE PLACED AFTER SUPERSTRUCTURE FORMS HAVE BEEN REMOVED; CONCRETE QUANTITY INCLUDED WITH SUPERSTRUCTURE.

BONDED CONSTRUCTION JOINT NEW CONCRETE TO EXISTING CONCRETE. COST INCLUDED IN "CONCRETE STRUCTURES".

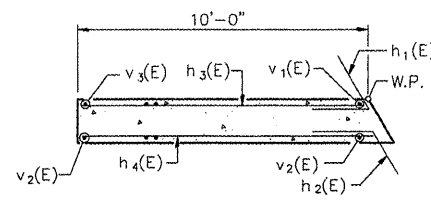


**NEW WING WALL ELEVATION**

WING WALL FOUNDATION BEARING PRESSURE= 900 psf.

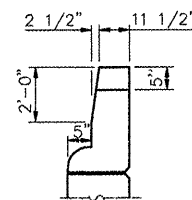


**END OF PARAPET DETAIL**

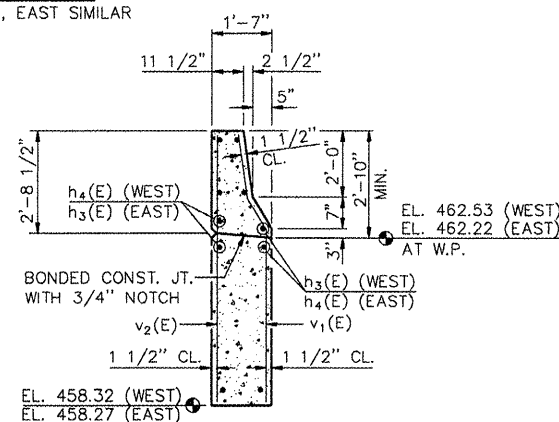


**SECTION B-B**

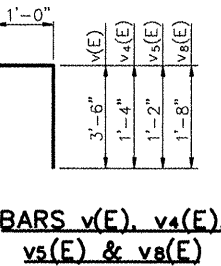
WEST SHOWN, EAST SIMILAR



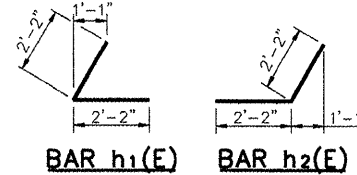
**VIEW C-C**



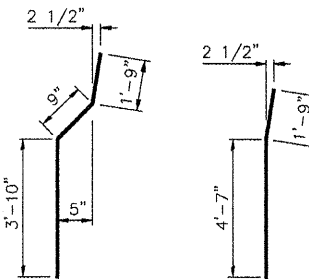
**SECTION A-A**



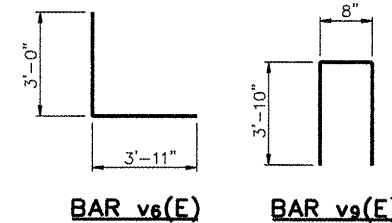
**BARS v(E), v4(E), v5(E) & v8(E)**



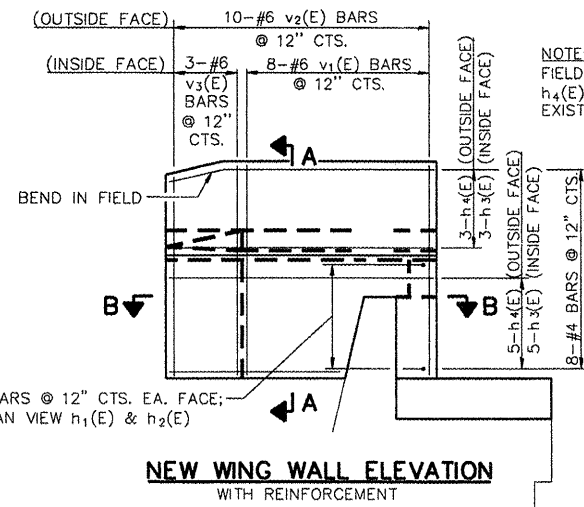
**BAR h1(E) BAR h2(E)**



**BAR v1(E) BAR v3(E)**



**BAR v6(E) BAR v9(E)**



**NEW WING WALL ELEVATION WITH REINFORCEMENT**

(WEST SHOWN, EAST SIMILAR: USES h<sub>3</sub>(E) INSTEAD OF h<sub>4</sub>(E) & h<sub>4</sub>(E) INSTEAD OF h<sub>3</sub>(E))

**WEST ABUTMENT BILL OF MATERIAL**

BAR NO.	SIZE	LENGTH	SHAPE
h <sub>1</sub> (E)	5	#5	4'-4"
h <sub>2</sub> (E)	5	#5	4'-4"
h <sub>3</sub> (E)	8	#4	9'-8"
h <sub>4</sub> (E)	8	#4	10'-6"
h <sub>5</sub> (E)	4	#5	14'-6"
h <sub>6</sub> (E)	4	#5	20'-8"
h <sub>8</sub> (E)	10	#5	27'-2"
p(E)	3	#7	15'-8"
p <sub>2</sub> (E)	5	#7	27'-1"
v(E)	16	#5	4'-6"
v <sub>1</sub> (E)	8	#6	6'-4"
v <sub>2</sub> (E)	10	#6	6'-4"
v <sub>3</sub> (E)	3	#6	6'-4"
v <sub>4</sub> (E)	16	#5	2'-4"
v <sub>6</sub> (E)	28	#6	6'-11"
v <sub>7</sub> (E)	28	#5	4'-3"
v <sub>8</sub> (E)	56	#5	2'-8"
v <sub>9</sub> (E)	28	#5	8'-4"
STRUCTURE EXCAVATION			CU. YD. 22
CONCRETE STRUCTURES			CU. YD. 12.0
REINFORCEMENT BARS (EPOXY COATED)			LBS. 2,080
CONCRETE SEALER			SQ. FT. 130

**EAST ABUTMENT BILL OF MATERIAL**

BAR NO.	SIZE	LENGTH	SHAPE
h(E)	10	#5	31'-8"
h <sub>1</sub> (E)	5	#5	4'-4"
h <sub>2</sub> (E)	5	#5	4'-4"
h <sub>3</sub> (E)	8	#4	9'-8"
h <sub>4</sub> (E)	8	#4	10'-6"
h <sub>6</sub> (E)	4	#5	20'-8"
h <sub>7</sub> (E)	4	#5	9'-3"
p <sub>1</sub> (E)	3	#7	12'-3"
p <sub>3</sub> (E)	5	#7	31'-8"
v(E)	13	#5	4'-6"
v <sub>1</sub> (E)	8	#6	6'-4"
v <sub>2</sub> (E)	10	#6	6'-4"
v <sub>3</sub> (E)	3	#6	6'-4"
v <sub>5</sub> (E)	13	#5	2'-2"
v <sub>6</sub> (E)	32	#5	6'-11"
v <sub>7</sub> (E)	32	#5	4'-3"
v <sub>8</sub> (E)	64	#5	2'-8"
v <sub>9</sub> (E)	32	#5	8'-4"
STRUCTURE EXCAVATION			CU. YD. 21
CONCRETE STRUCTURES			CU. YD. 13.2
REINFORCEMENT BARS (EPOXY COATED)			LBS. 2,290
CONCRETE SEALER			SQ. FT. 133

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL ABUTMENT DETAILS**

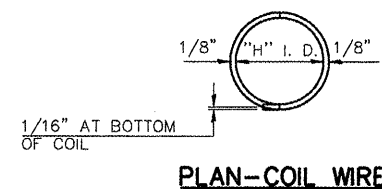
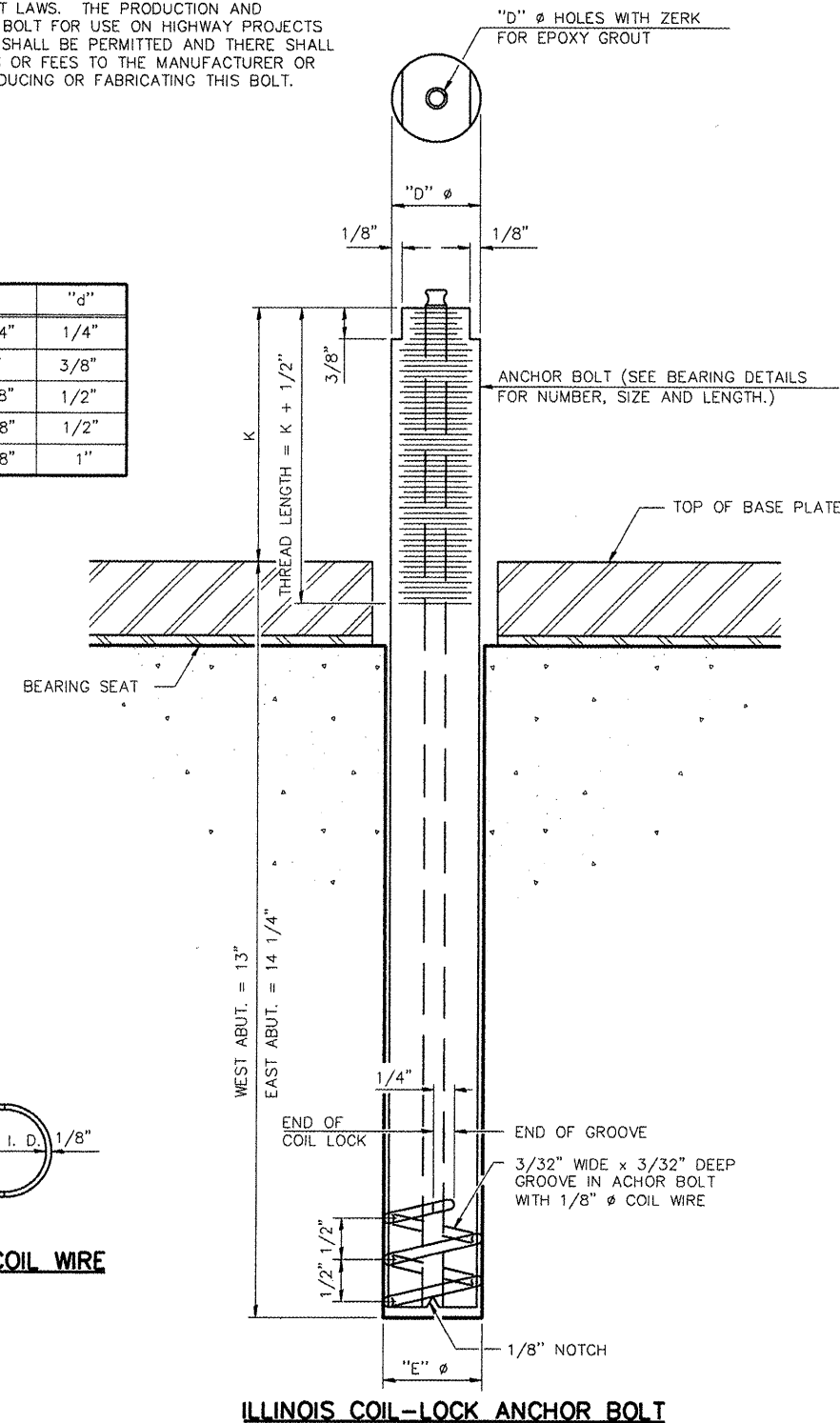
SCALE: N.T.S. DRAWN BY: MGM  
DATE: 12/22/2008 CHECKED BY: PJL



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	57
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

THE ILLINOIS COIL-LOCK ANCHOR BOLT IS A PROPRIETARY ITEM WHICH IS THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. USE, REPRODUCTION OR DISCLOSURE WITHOUT EXPRESS WRITTEN PERMISSION IS PROHIBITED AND PROTECTED UNDER FEDERAL COPYRIGHT LAWS. THE PRODUCTION AND THE FABRICATION OF THIS BOLT FOR USE ON HIGHWAY PROJECTS IN THE STATE OF ILLINOIS SHALL BE PERMITTED AND THERE SHALL BE NO INCURRED CHARGES OR FEES TO THE MANUFACTURER OR THE FABRICATOR FOR PRODUCING OR FABRICATING THIS BOLT.

D	E	H	K	"d"
1"	1 1/8"	13/16"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/16"	2"	3/8"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 13/16"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



**GENERAL NOTES**

HOLES IN THE MASONRY FOR ANCHOR BOLTS SHALL BE DRILLED THROUGH THE BASE PLATES TO THE DIAMETER AND DEPTH SHOWN OR ACCORDING TO THE MANUFACTURER'S RECOMMENDATION AFTER BEAMS OR GIRDERS HAVE BEEN ERECTED AND ADJUSTED.

PRIOR TO SETTING THE BOLTS, THE HOLES SHALL BE DRY AND ALL DUST AND LOOSE PARTICLES SHALL BE REMOVED BY THE USE OF COMPRESSED AIR OR VACUUMING.

THE ANCHOR BOLTS, FURNISHED AND INSTALLED AND INCLUDING THE EPOXY GROUT OR CAPSULES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR FURNISHING AND ERECTING STRUCTURAL STEEL.

**MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT**

THE ANCHOR BOLT SHALL BE FABRICATED FROM COLD DRAWN OR HOT FINISHED SEAMLESS CARBON STEEL MECHANICAL TUBING CONFORMING TO ASTM A 519, GRADE 1026, CW AND SUPPLIED WITH HEXAGONAL NUTS AND CUT WASHERS.

THE COIL WIRE SHALL BE MADE OF ANY SUITABLE SOFT STEEL WIRE.

THE FINISHED ANCHOR BOLT SHALL BE CLEANED OF RUST AND OTHER FOREIGN MATERIALS AND WRAPPED OR PACKAGED TO PREVENT CONTAMINATION UNTIL THEY ARE INSTALLED. THE EPOXY GROUT SHALL BE A TWO-COMPONENT, EPOXY RESIN BONDING SYSTEM CONFORMING TO ASTM C 881, TYPE I, GRADE 1 AND OF A CLASS SUITABLE FOR THE TEMPERATURE AT INSTALLATION.

**INSTALLATION PROCEDURE FOR THE ILLINOIS COIL-LOCK ANCHOR BOLT**

1. WITH THE COIL WIRE IN PLACE, THE BOLT SHALL BE INSERTED INTO THE HOLE AND TURNED CLOCKWISE TO A SNUG FIT IN THE HOLE. NUT AND WASHER SHALL BE PLACED ON THE BOLT. THE NUT SHALL BE TENSIONED UNTIL THE STEEL BASE PLATES ARE HELD SECURELY TO THE CONCRETE BEARING SEAT.
2. EPOXY GROUT SHALL BE PUMPED THROUGH THE ZERK FITTING WITH A PRESSURE GUN. PUMPING SHALL CONTINUE UNTIL THE EPOXY OVERFLOWS THE HOLE AROUND THE BOLT SHANK. AFTER PUMPING IS DISCONTINUED, EXCESS EPOXY SHALL BE IMMEDIATELY WIPED OFF.

**ALTERNATE ANCHOR BOLTS**

THE CONTRACTOR MAY USE, AT HIS OPTION, THE CAPSULE OR THE ADHESIVE CARTRIDGE TYPE ANCHOR RODS THAT HAVE BEEN PREVIOUSLY TESTED AND GIVEN A PRIOR APPROVAL BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL THESE ANCHOR RODS IN PRE-DRILLED HOLES ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.

THE CAPSULE OR THE ADHESIVE CARTRIDGE TYPE ANCHOR RODS SHALL BE A TWO PART SYSTEM COMPOSED OF:

1. A THREADED ROD STUD WITH NUT AND WASHER OF THE TYPE SPECIFIED.
2. A SEALED GLASS CAPSULE OR A SEALED GLASS ADHESIVE CARTRIDGE CONTAINING PREMEASURED AMOUNTS OF THE ADHESIVE CHEMICAL.

LOCATION	TYPE
W. ABUT.	1 1/4" $\phi$ x 15" ASTM A-36 ALL THREAD ROD
E. ABUT.	1" $\phi$ x 16" ASTM A-36 ALL THREAD ROD

ASTM F 1554 GRADE 105, ASTM A 449 AND AASHTO M 314 GRADE 105 ANCHOR BOLTS MAY BE SUBSTITUTED FOR THE ANCHOR BOLTS SHOWN ABOVE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL ANCHOR BOLT DETAILS FOR BEARINGS**  
 SCALE: N.T.S. DRAWN BY: MGM  
 DATE: 12/22/2008 CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	58
STA. 154+17.98		STRUCTURE NO. 090-0027		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

**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 =  $1.25 \times f_y \times A_t$   
(TENSION IN KIPS)
- ② MINIMUM \*PULL-OUT STRENGTH =  $1.25 \times f_{s_{allow}} \times A_t$   
(TENSION IN KIPS)

WHERE  $f_y$  = YIELD STRENGTH OF LAPPED REINFORCEMENT BARS IN KSI.  
 $f_{s_{allow}}$  = 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."

THE DIAMETER OF THIS PART IS THE SAME AS THE DIAMETER OF THE BAR SPLICED.

**ROLLED THREAD DOWEL BAR**



**\*\* ONE PIECE**

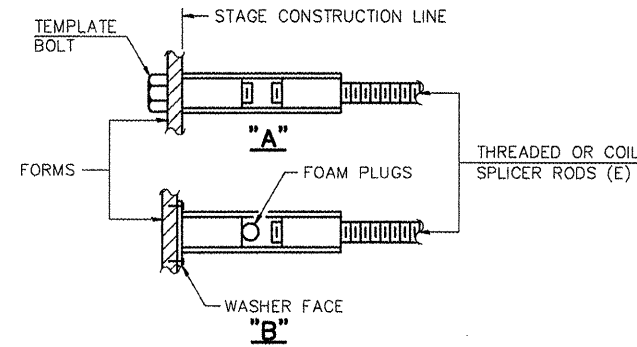
WIRE CONNECTOR



**WELDED SECTIONS**

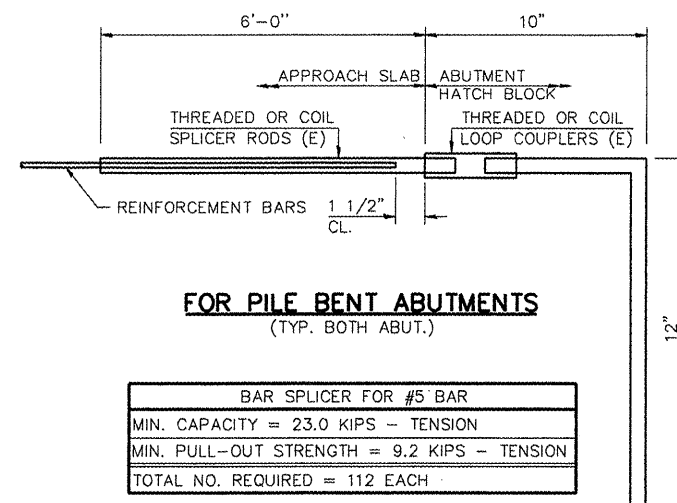
**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\* HEAVY HEX NUTS CONFORMING TO ASTM A 563, GRADE C, D OR DH MAY BE USED.



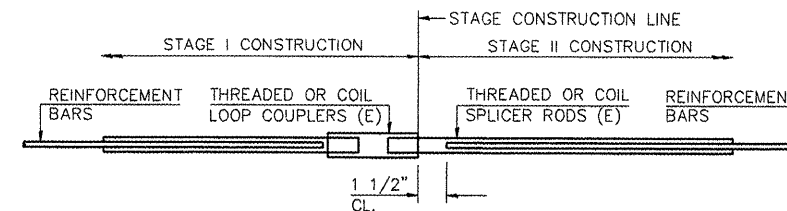
**INSTALLATION AND SETTING METHODS**

- "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.



**FOR PILE BENT ABUTMENTS**  
(TYP. BOTH ABUT.)

BAR SPLICER FOR #5 BAR	
MIN. CAPACITY = 23.0 KIPS - TENSION	
MIN. PULL-OUT STRENGTH = 9.2 KIPS - TENSION	
TOTAL NO. REQUIRED = 112 EACH	



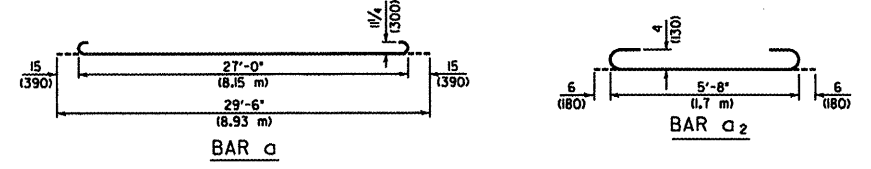
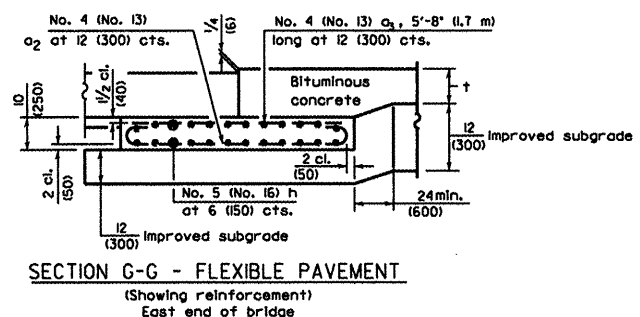
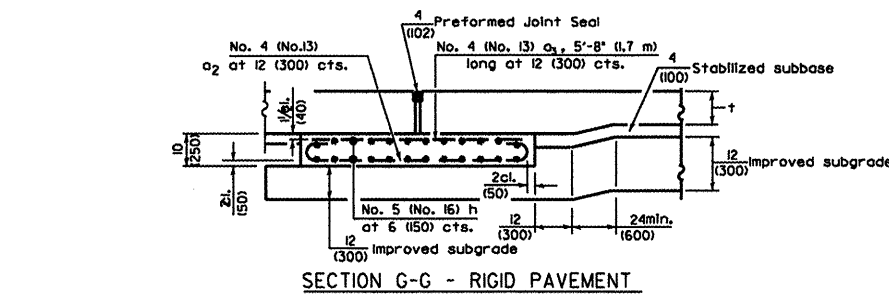
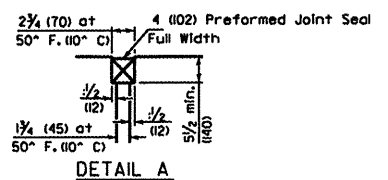
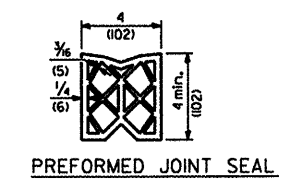
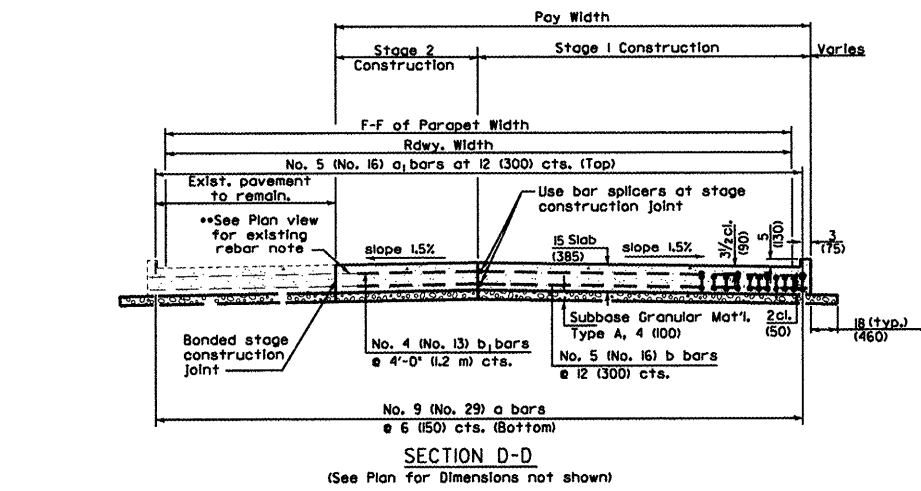
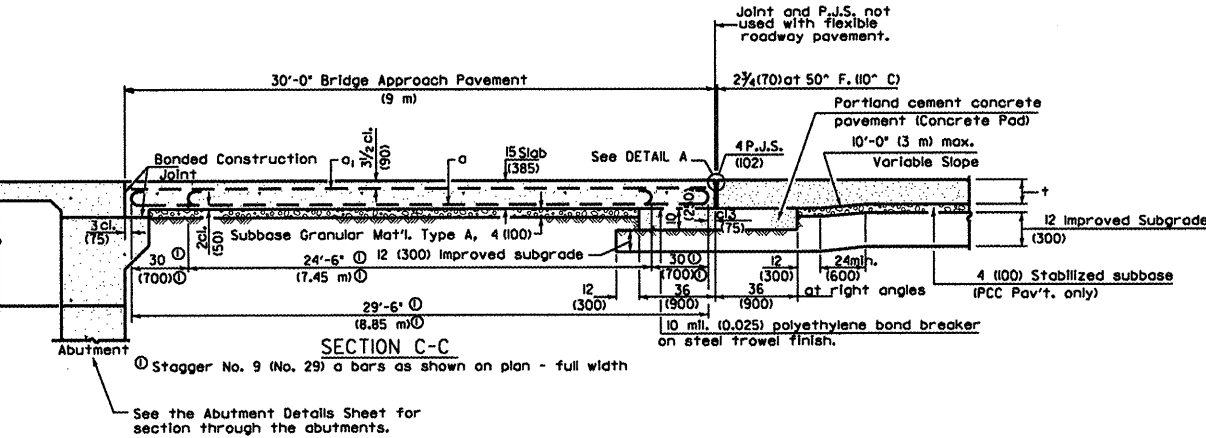
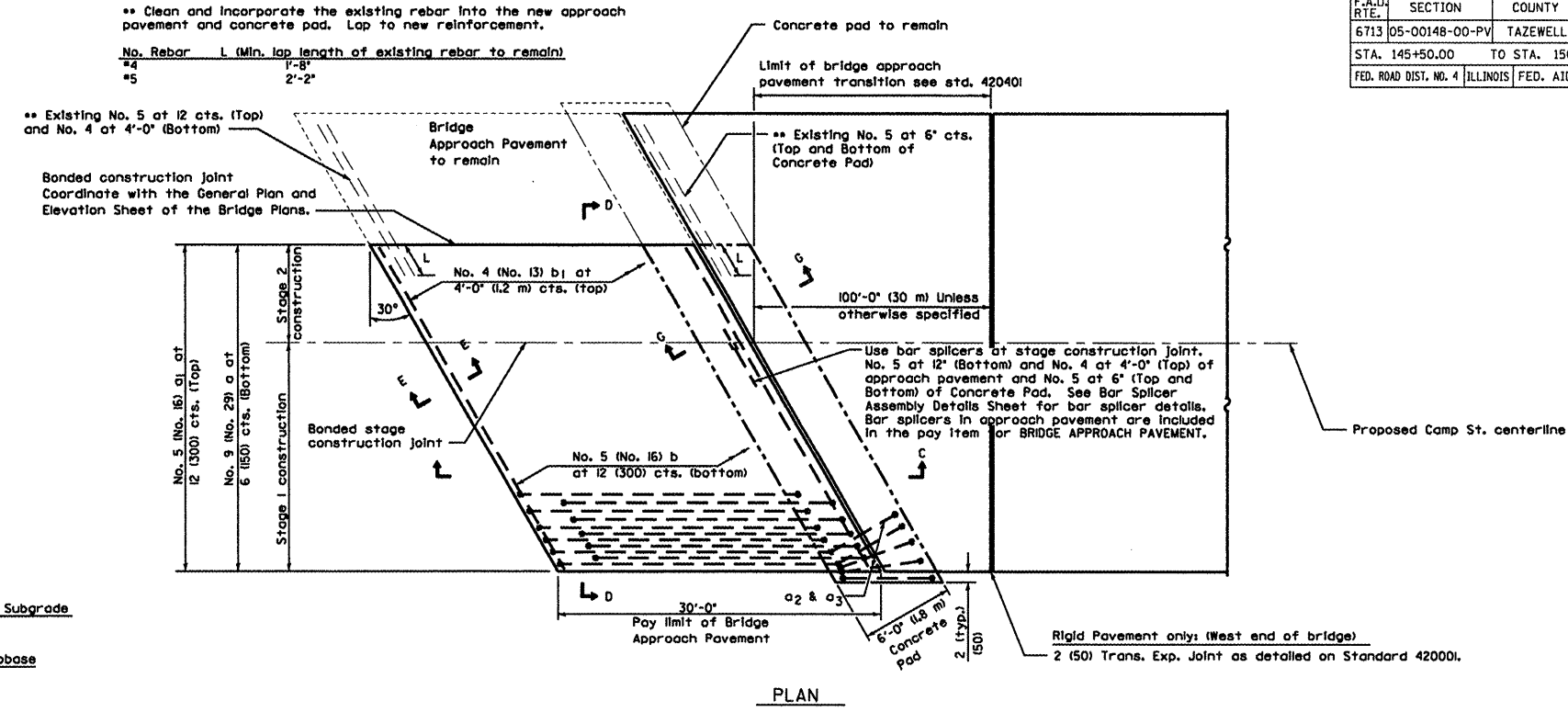
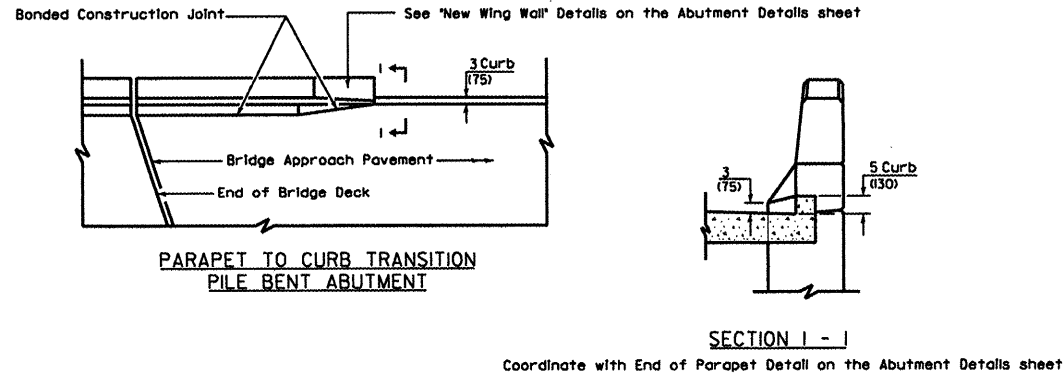
**STANDARD**

BAR SIZE	NO. ASSEMBLIES REQUIRED	LOCATION
#5	230	TOP OF DECK SLAB
#5	169	BOTT. OF DECK SLAB
#5	4	W. ABUT. "HATCHED AREA"
#5	4	E. ABUT. "HATCHED AREA"
TOTAL	407 EACH	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAMP ST. OVER FARM CREEK DIVERSION CHANNEL**  
**BAR SPLICER ASSEMBLY DETAILS**  
 SCALE: N.T.S. DRAWN BY: MGM  
 DATE: 12/22/2008 CHECKED BY: PJL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	59
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



**DESIGN STRESSES**

f<sub>y</sub> = 60,000 p.s.i. (400 MPa)

f'c = 3,500 p.s.i. (24 MPa)

n = 8.5

**BRIDGE APPROACH PAVEMENT DETAIL**

SCALE: N.T.S.

**GENERAL NOTES**

THICKNESS-''=Thickness of Pavement.

See Standard 42100 for reinforcement details not shown.

See Standard 42000 for joint details not shown.

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

The concrete pad and all reinforcement are included in the pay item for BRIDGE APPROACH PAVEMENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CAMP STREET CONNECTOR  
BRIDGE APPROACH PAVEMENT  
DETAIL**

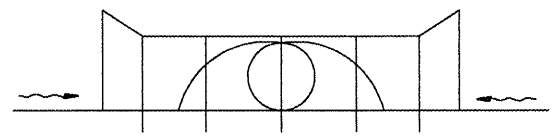
SCALE: VERT. HORIZ. DATE 12/22/2008

DRAWN BY JLT  
CHECKED BY CSA

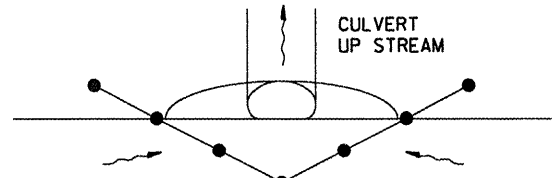
L:\B32018\Draws\M02.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

89392

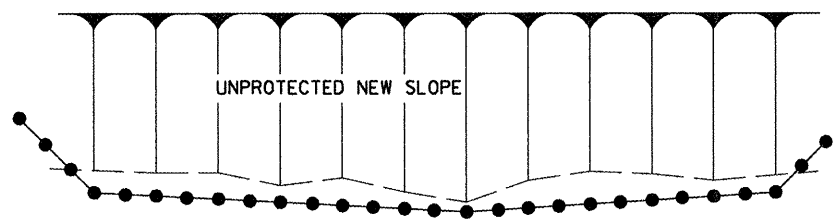


FRONT VIEW



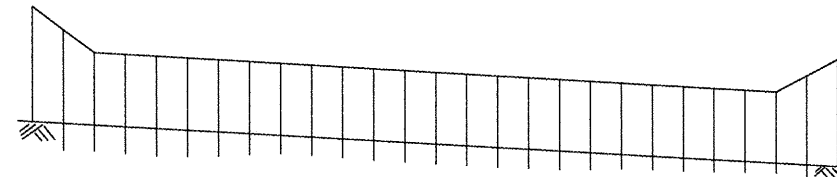
TOP VIEW

UPSTREAM PIPE CULVERT EROSION CONTROL

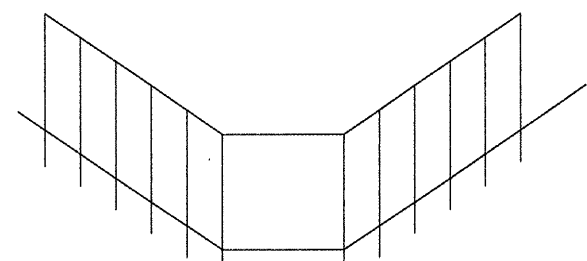


UNPROTECTED NEW SLOPE

TOP VIEW



FRONT VIEW

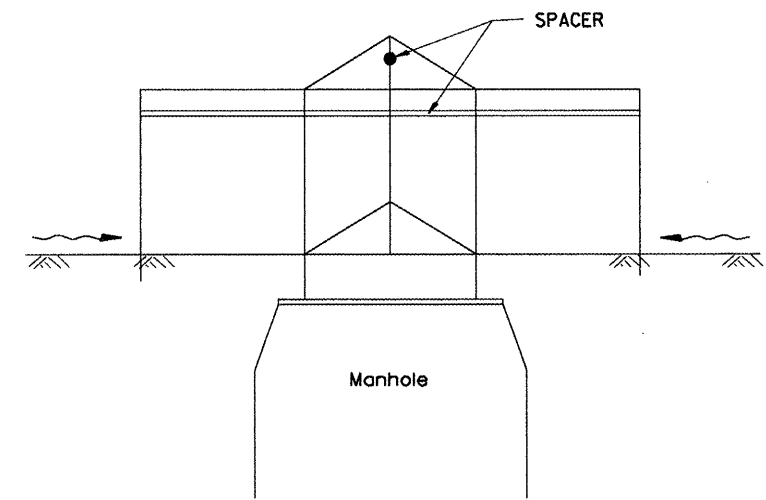


FRONT VIEW



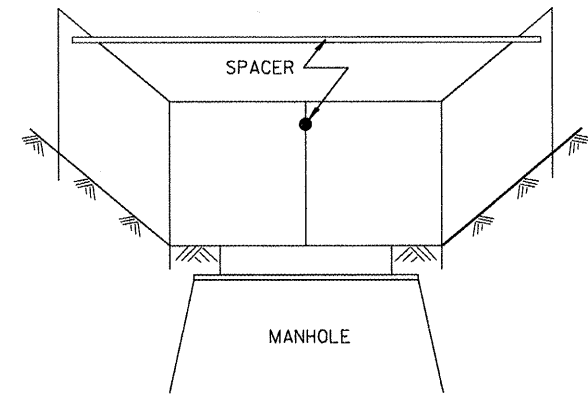
TOP VIEW

DITCH LINE EROSION CONTROL



SIDE VIEW

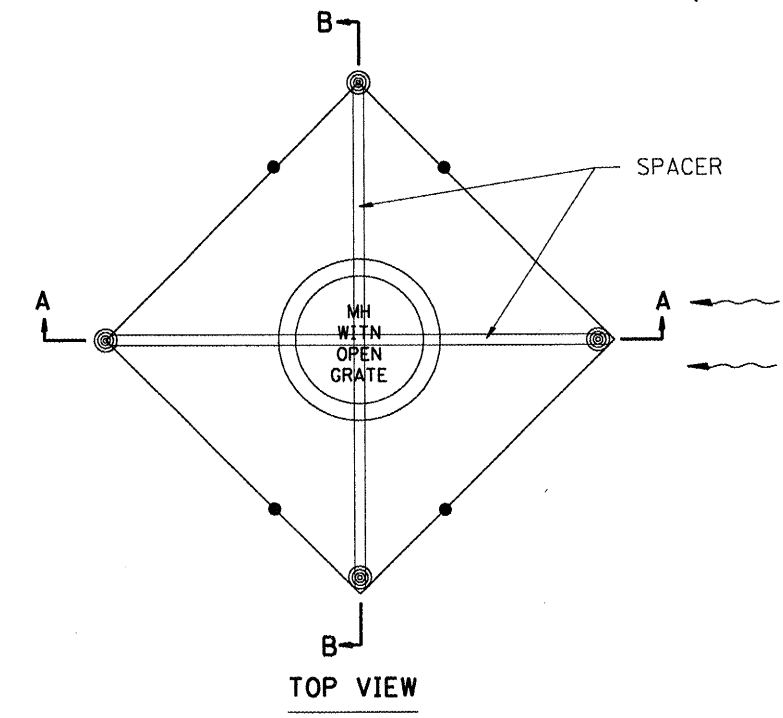
A-A



Front View

B-B

EROSION CONTROL AT OPEN GRATE MAN HOLE



TOP VIEW

GENERAL NOTES:

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SPECIAL DETAIL SHEET	
TYPICAL APPLICATION OF SILT FILTER FENCE	
CADD DETAIL 280001-D4	DRAWN BY CADD
SCALE: NOT DRAWN TO SCALE	CHECKED BY
DATE **DATE**	

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05, NEW REVISION BOX	T.P.

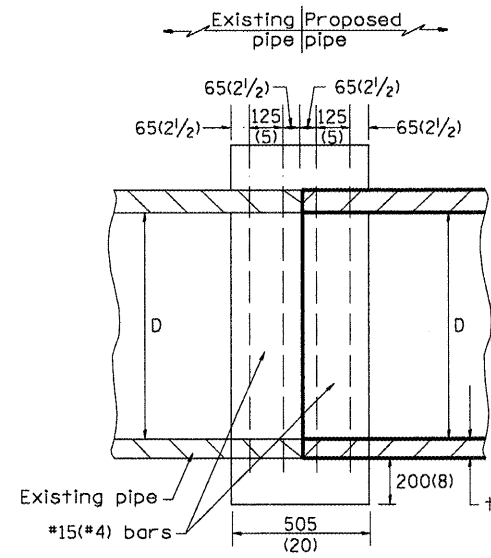
280001-D4

Designer NOTES: to modify this Special Detail sheet, as needed, for inclusion in plans.  
 1. Designer to include Highway Standard 280001 "TEMPORARY EROSION CONTROL SYSTEM."  
 2. Include Highway Standard 280001 "TEMPORARY EROSION CONTROL SYSTEM."  
 \*\*DATE\*\*

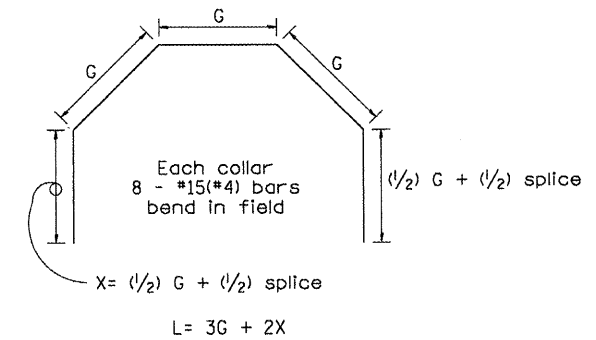
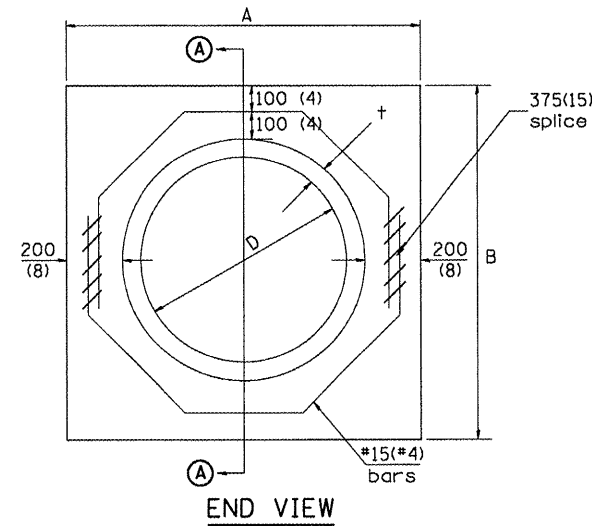
\*DGN-ONLY\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

89392



SECTION A - A



Each Collar Reinforcement Bars								
D	†	A	B	CL. SI CONC.	G	X	L	Weight
m (in)	m (in)	m (ft)	m (ft)	m <sup>3</sup> (cu. yd)	m (in)	m (in)	m (ft)	kg (lb)
300 (12)	51 (2.00)	0.814 (2.67)	0.814 (2.67)	0.270 (0.4)	253 (9 15/16)	317 (12 7/16)	1.393 (4.57)	11 (24)
375 (15)	57 (2.25)	0.902 (2.96)	0.902 (2.96)	0.315 (0.4)	290 (11 3/8)	335 (13 3/16)	1.541 (5.05)	12 (27)
450 (18)	64 (2.50)	0.991 (3.25)	0.991 (3.25)	0.362 (0.5)	327 (12 13/16)	354 (13 7/8)	1.689 (5.54)	14 (30)
525 (21)	70 (2.75)	1.079 (3.54)	1.079 (3.54)	0.411 (0.5)	364 (14 1/4)	372 (14 5/8)	1.836 (6.02)	15 (32)
600 (24)	76 (3.00)	1.167 (3.83)	1.167 (3.84)	0.460 (0.6)	401 (15 11/16)	391 (15 5/16)	1.984 (6.51)	16 (35)
675 (27)	83 (3.25)	1.259 (4.13)	1.259 (4.13)	0.516 (0.7)	438 (17 1/4)	409 (16 1/16)	2.131 (6.99)	17 (37)
750 (30)	89 (3.50)	1.347 (4.42)	1.347 (4.42)	0.570 (0.7)	475 (18 11/16)	428 (16 3/4)	2.279 (7.48)	18 (40)
825 (33)	95 (3.75)	1.436 (4.71)	1.436 (4.71)	0.624 (0.8)	512 (20 1/8)	446 (17 1/2)	2.426 (7.96)	19 (43)
900 (36)	102 (4.00)	1.524 (5.00)	1.524 (5.00)	0.682 (0.9)	549 (21 3/16)	465 (18 3/16)	2.574 (8.44)	20 (45)
1050 (42)	114 (4.50)	1.701 (5.58)	1.701 (5.58)	0.800 (1.0)	622 (24 7/16)	501 (19 3/4)	2.869 (9.41)	23 (50)
1200 (48)	127 (5.00)	1.881 (6.17)	1.881 (6.17)	0.930 (1.2)	696 (27 5/16)	538 (21 3/16)	3.164 (10.38)	25 (55)

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.

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

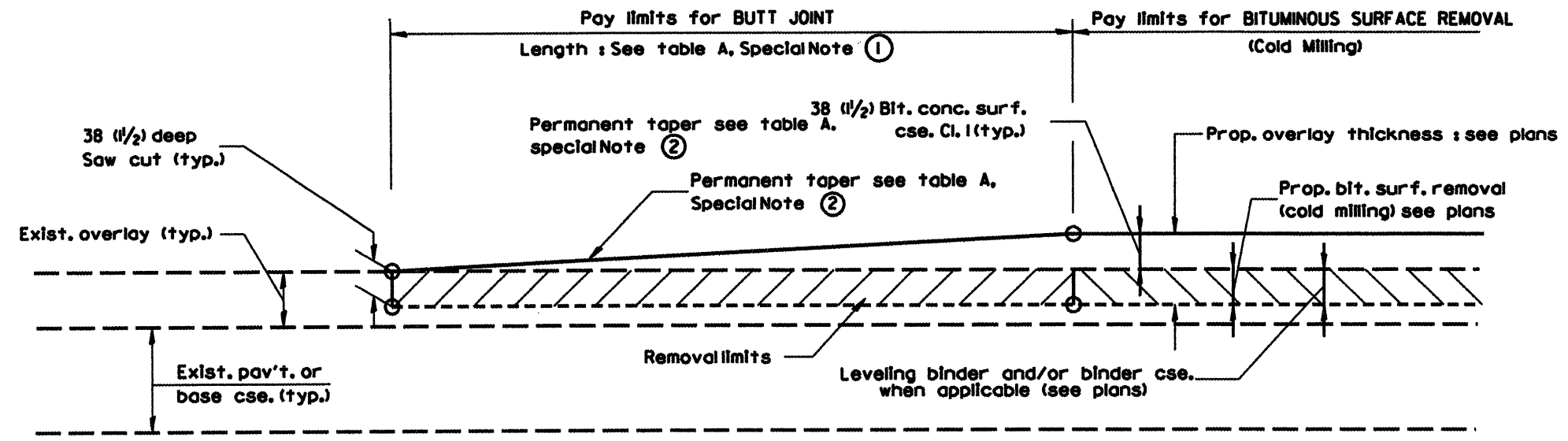
QUANTITIES	
CALC. BY: R. J. D.	2-2-98
CHECKED BY: R. D. H.	2-6-98
DATE:	
DATE:	
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

DATE	REVISIONS	BY
1-1-97	RENUM. B-8.03, NEW REVISION BOX ADDED QUANTITY CALCULATION BOX, REVISED TITLE BOX	T.P.
4-1-97	CORRECT BAR	J.A.
2-10-98	REVISE QUANTITIES	J.A.
9-1-00	CORRECT WEIGHT	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)	
CADD STANDARD 542016-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY: CADD
DATE: **DATE**	CHECKED BY:

542016-D4

89392



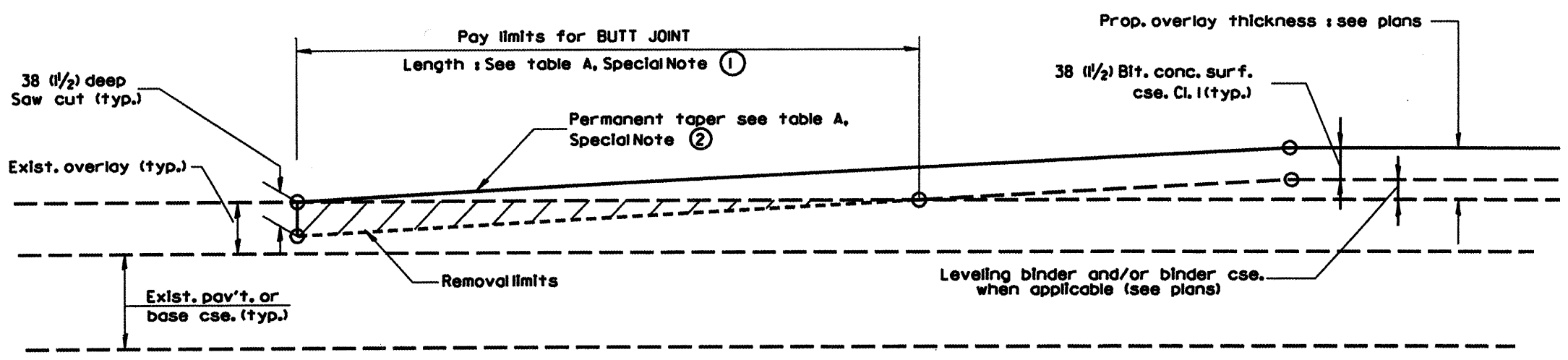
**CASE 1: WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)**

**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')

**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.



**CASE 2: NO BITUMINOUS SURFACE REMOVAL (COLD MILLING)**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**BUTT JOINTS**  
 CADD STD NO. 406101-D4 SHEET 1 OF 2  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD  
 DATE 08/20/00 CHECKED BY

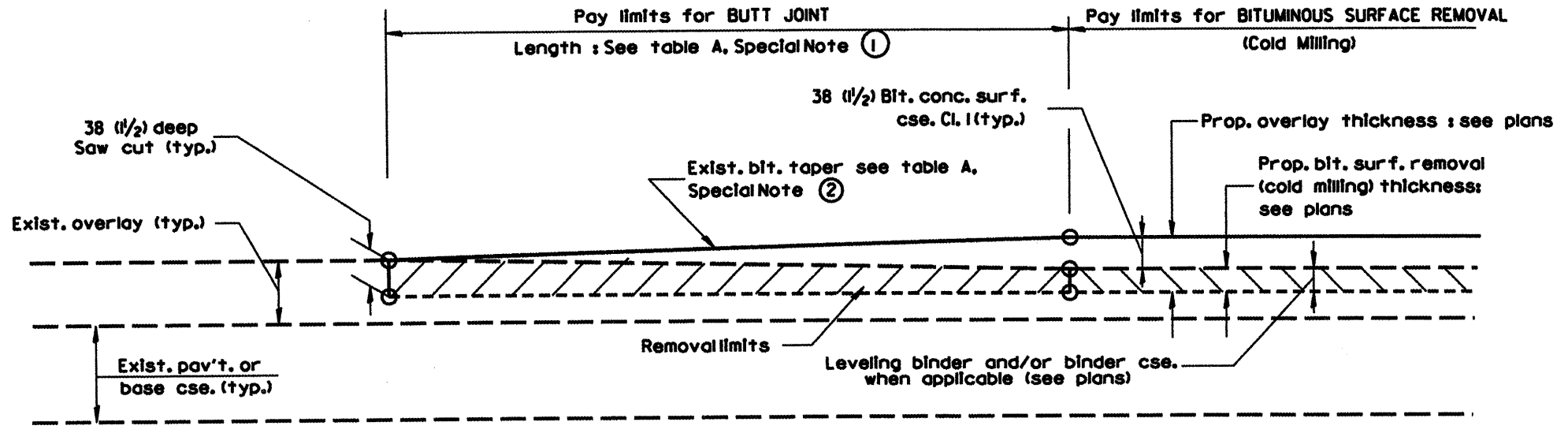
DATE	REVISIONS	BY
1-1-97	REVISION C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.

406101-D4 (1)

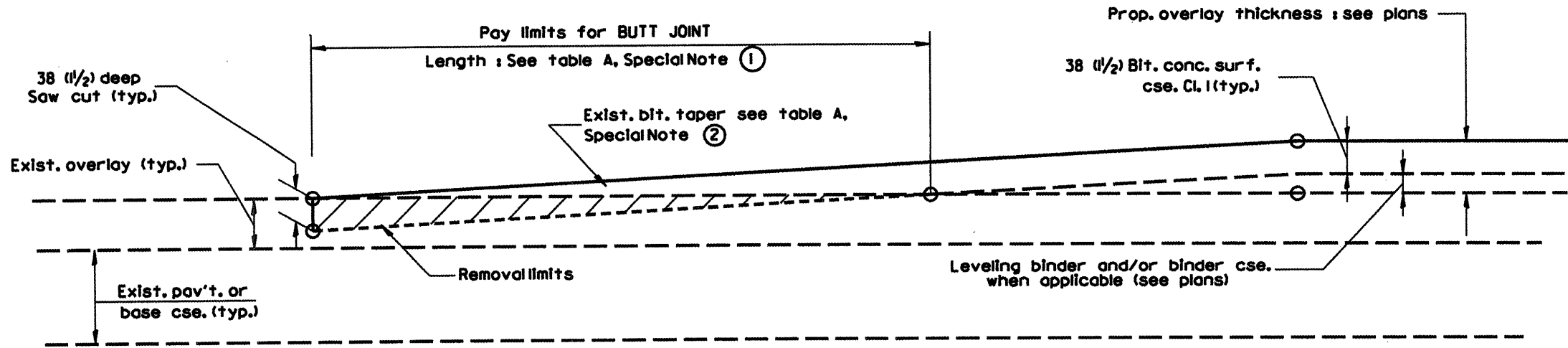
DESIGNER NOTES:  
 1. Include District Special Provision for Butt Joints & for Bituminous Surface Removal (Cold Milling).  
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Bituminous Surface Removal (Cold Milling).

S.A. RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				03
STA.		TO STA.		
FED. RD DIST. NO.	ILLINOIS	FED. AID PROJECT		

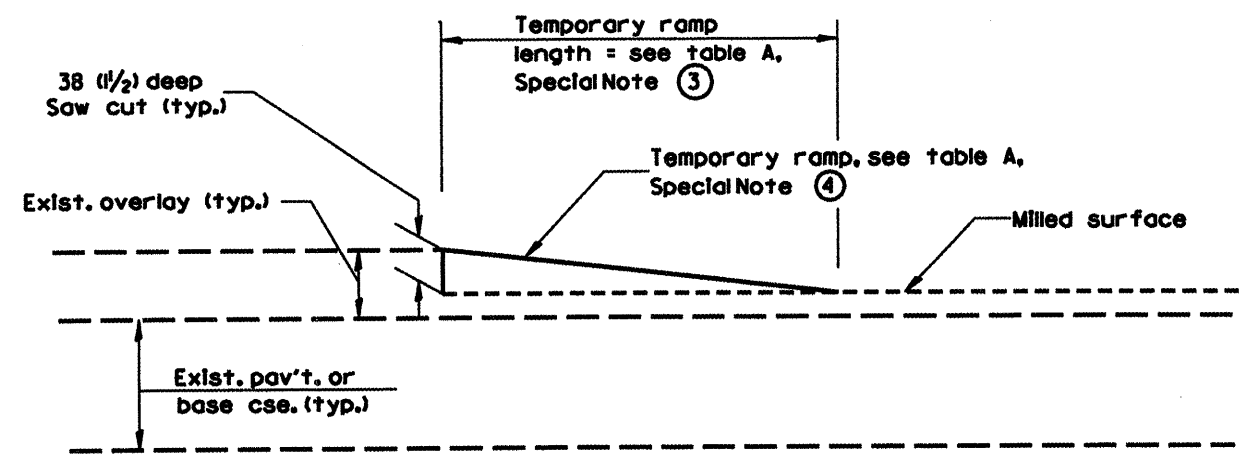
89392



**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. 40610I-D4 SHEET 2 OF 2  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD  
 DATE 8/24/08 CHECKED BY

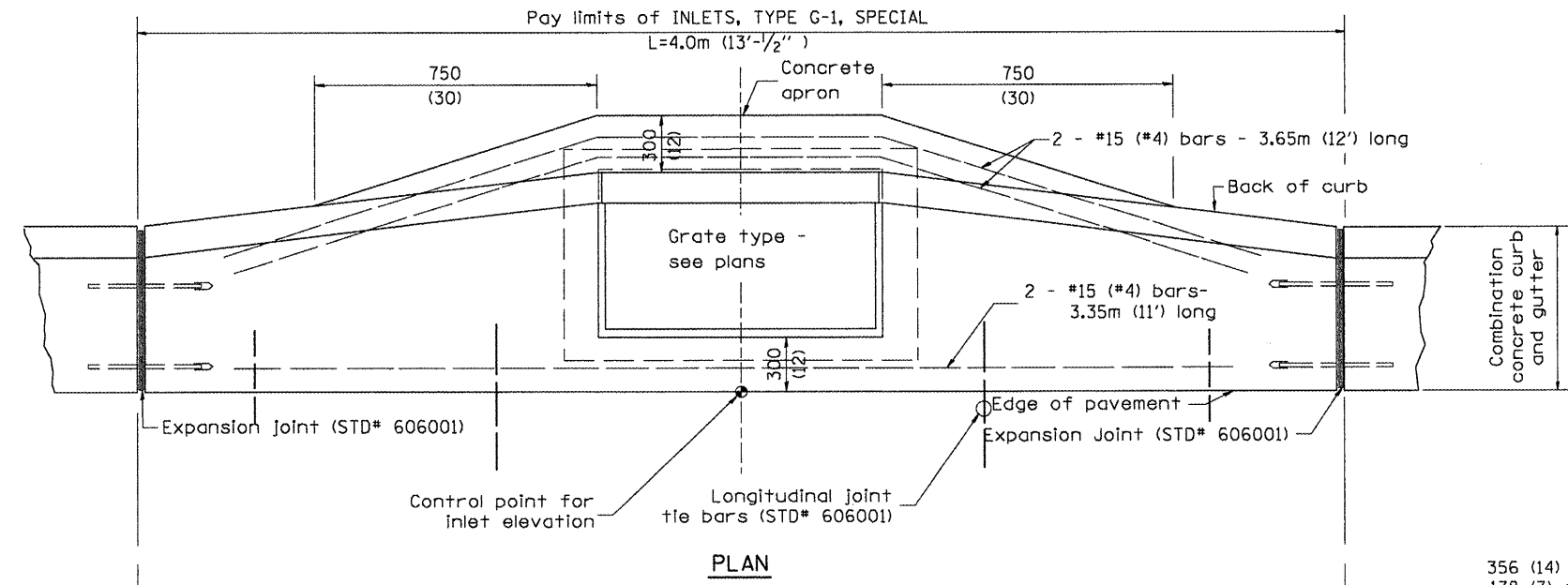
**40610I-D4 (2)**

8/24/08

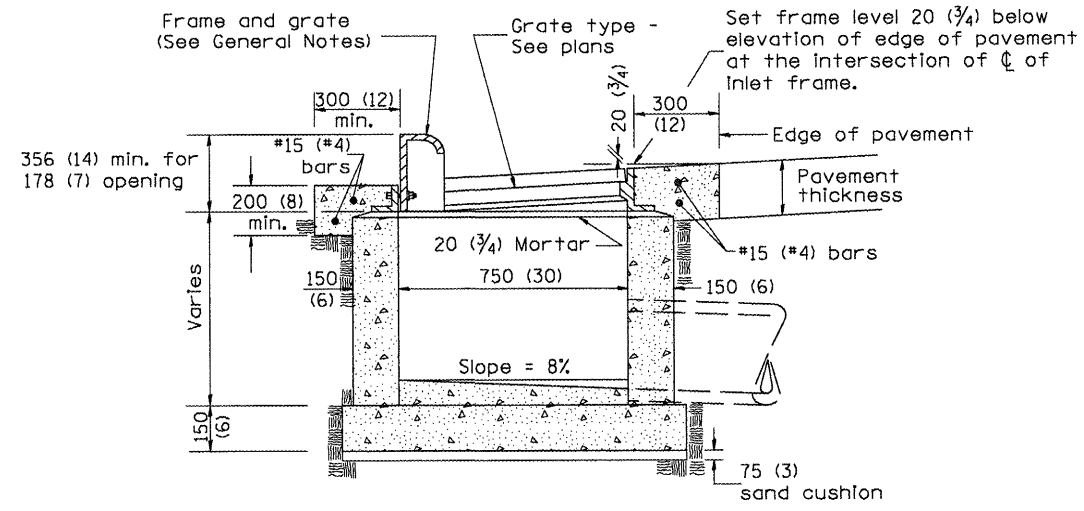
\*DGN-ONLY\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

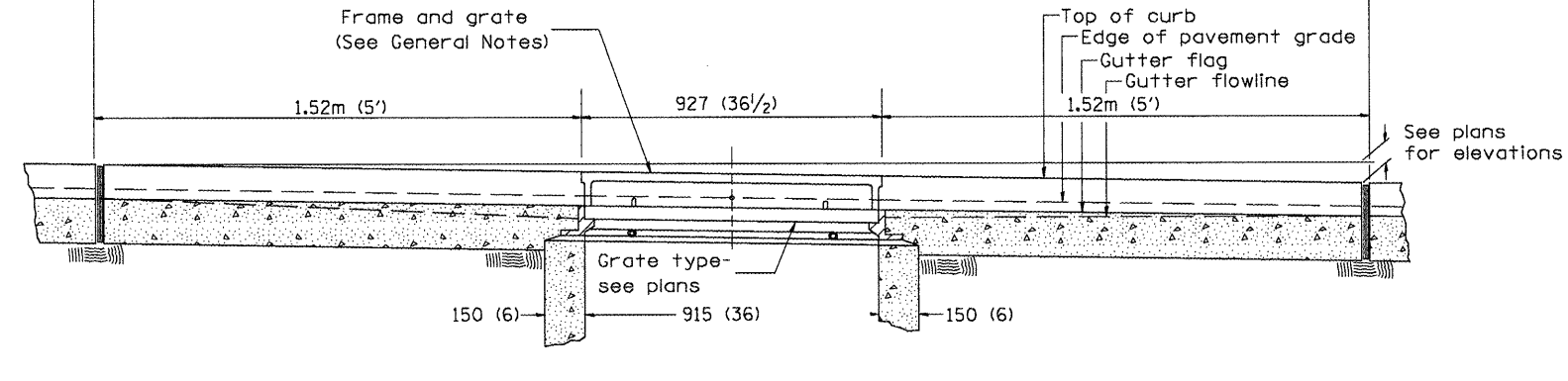
89392



PLAN



ELEVATION (SIDE)



ELEVATION (FRONT)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

INLETS, TYPE G-1,  
SPECIAL

CADD STANDARD 602006-D4  
SCALE NOT TO SCALE  
DATE \*\*DATE\*\*

DRAWN BY CADD  
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.02, NEW REVISION BOX	J.A.
12-1-98	CORRECT E. O. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.

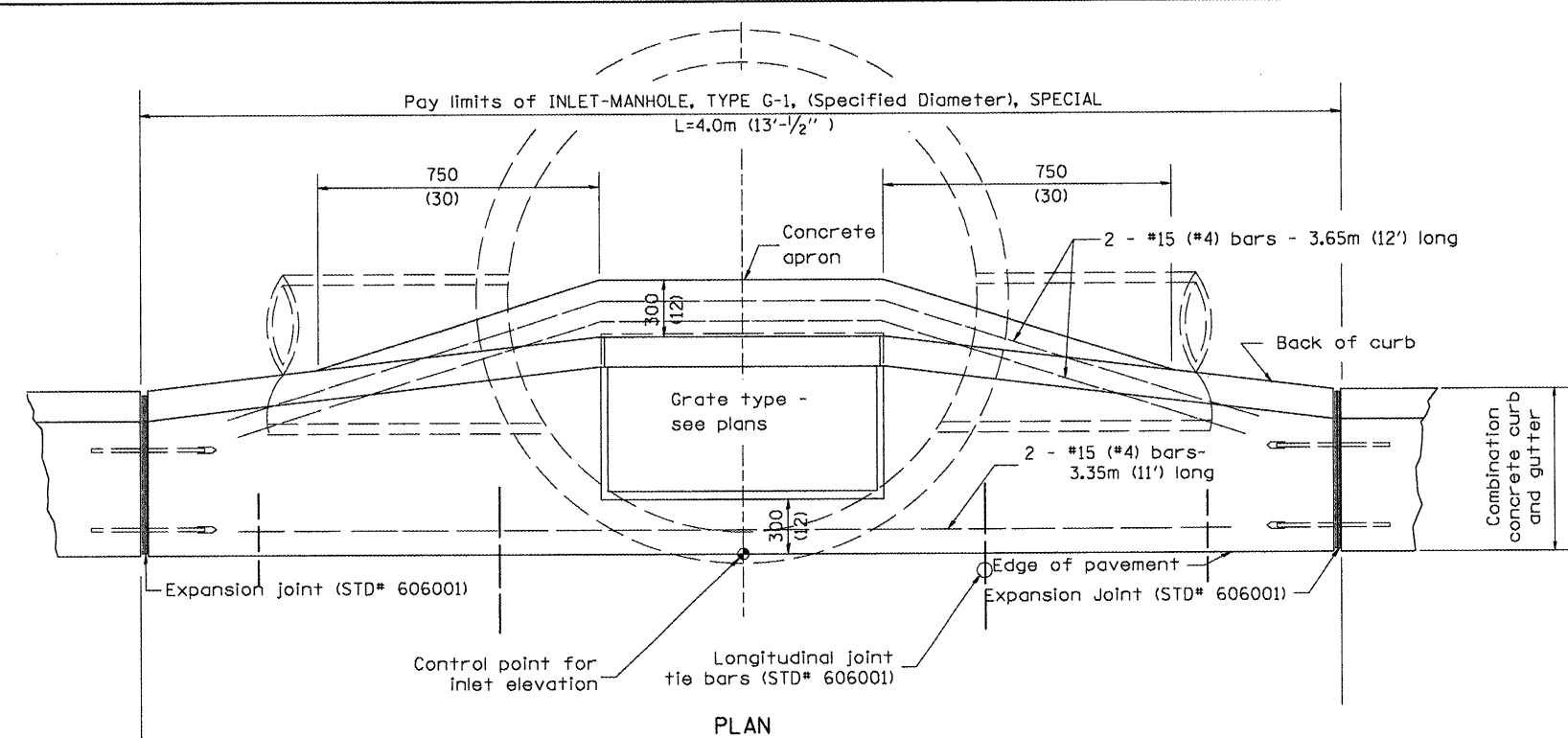
3. Include District CADD Standard for frame and grates.  
4. Include District Special Provision. Pay item includes transitional c.c.c & g., inlet and frame and grate. All work within pay limits.  
5. Specify grate type in plans.

\$\$\$DATE\$\$\$

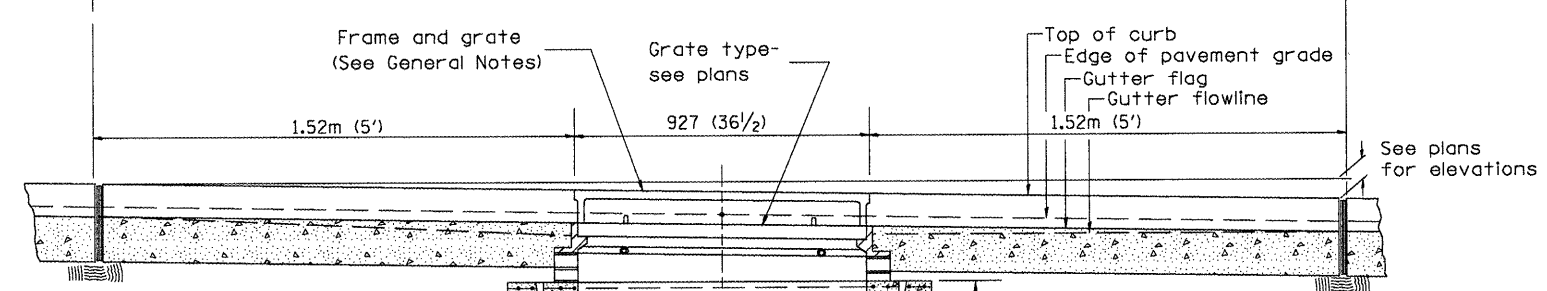


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

89392



PLAN



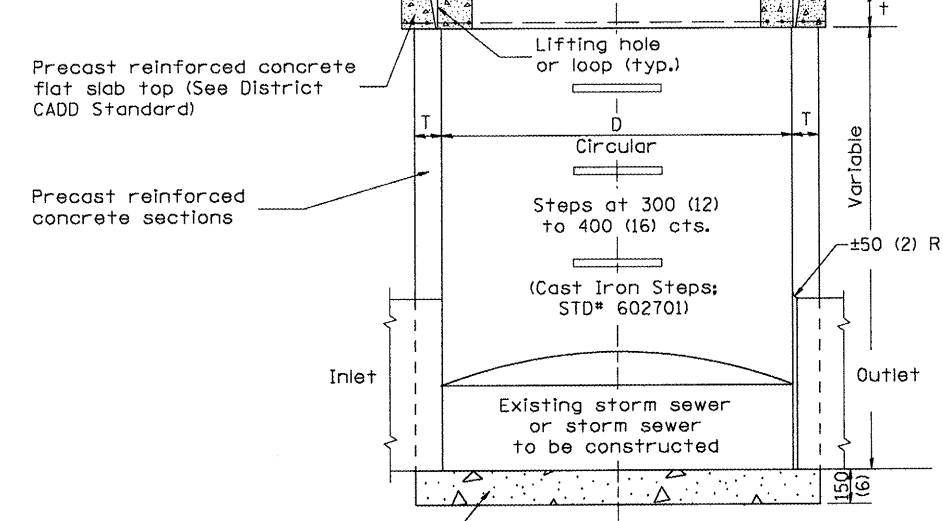
ELEVATION (SIDE)

TABLE

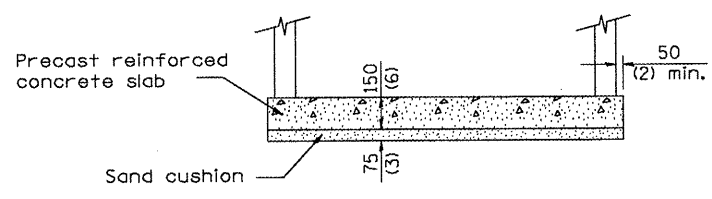
D	T	t
1.2m (4')	125 (5)	150 (6)
1.5m (5')	150 (6)	200 (8)
1.8m (6')	195 (7 3/4)	200 (8)
2.4m (8')	225 (9)	250 (10)

GENERAL NOTES

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.



ELEVATION (FRONT)



ALTERNATE BOTTOM SLAB

Prefabricated concrete slab, when the precast reinforced concrete section alternate is used.

Include State STD# 606001 for combination concrete curb and gutter details.  
 Include State STD# 420001 for pavement joints.  
 Include State STD# 602701 for cast iron steps.  
 Include District CADD Standard 602701 for frame and grates.  
 Include District CADD Standard 604001 for precast concrete flat slab top.  
 Include District CADD Standard 604001-D4 for manhole, flat slab top, transitional c.c.&g. and frame and grate. All work within pay limits.  
 Include District Special Provision. Pay Item includes inlet - manhole, flat slab top, transitional c.c.&g. and frame and grate. All work within pay limits.  
 Specify diameter of inlet - manhole in plans.  
 Specify grate type in plans.

DESIGNER NOTES:  
 1.  
 2.  
 3.  
 4.  
 5.  
 6.  
 7.  
 8.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT CADD STANDARD

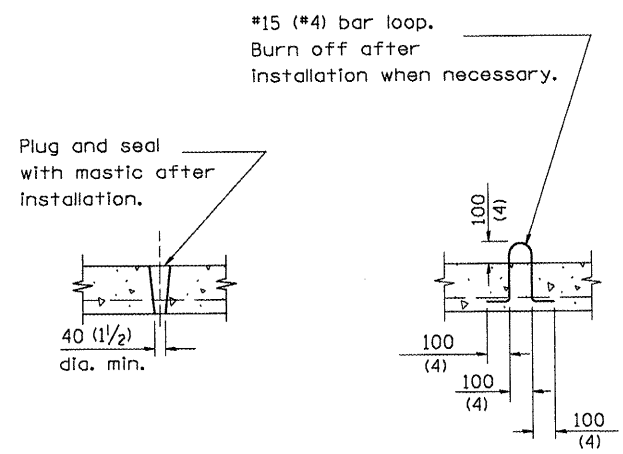
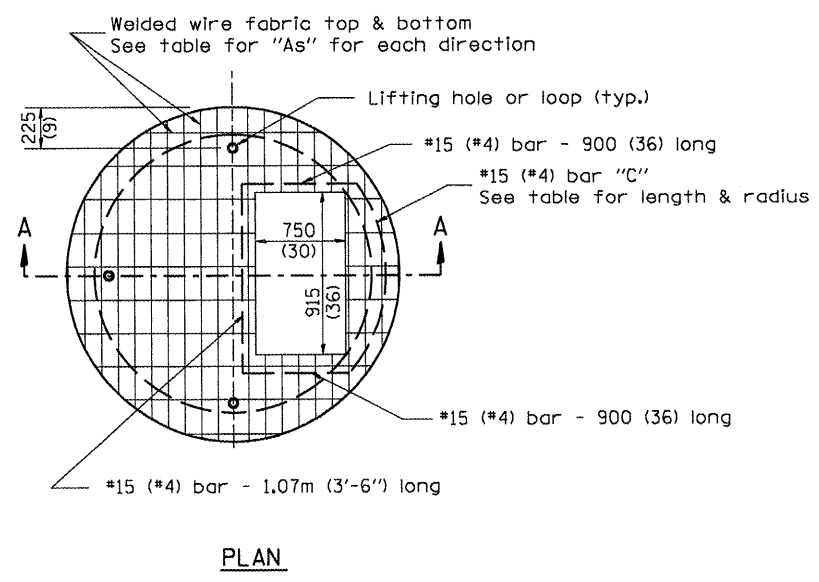
INLET-MANHOLE,  
 TYPE G-1, SPECIAL

CADD STANDARD 602026-D4  
 SCALE NOT TO SCALE  
 DATE \*\*DATE\*\*  
 DRAWN BY CADD  
 CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.06, NEW REVISION BOX	T.P.
12-1-98	CORRECT E. O. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.

602026-D4

89392

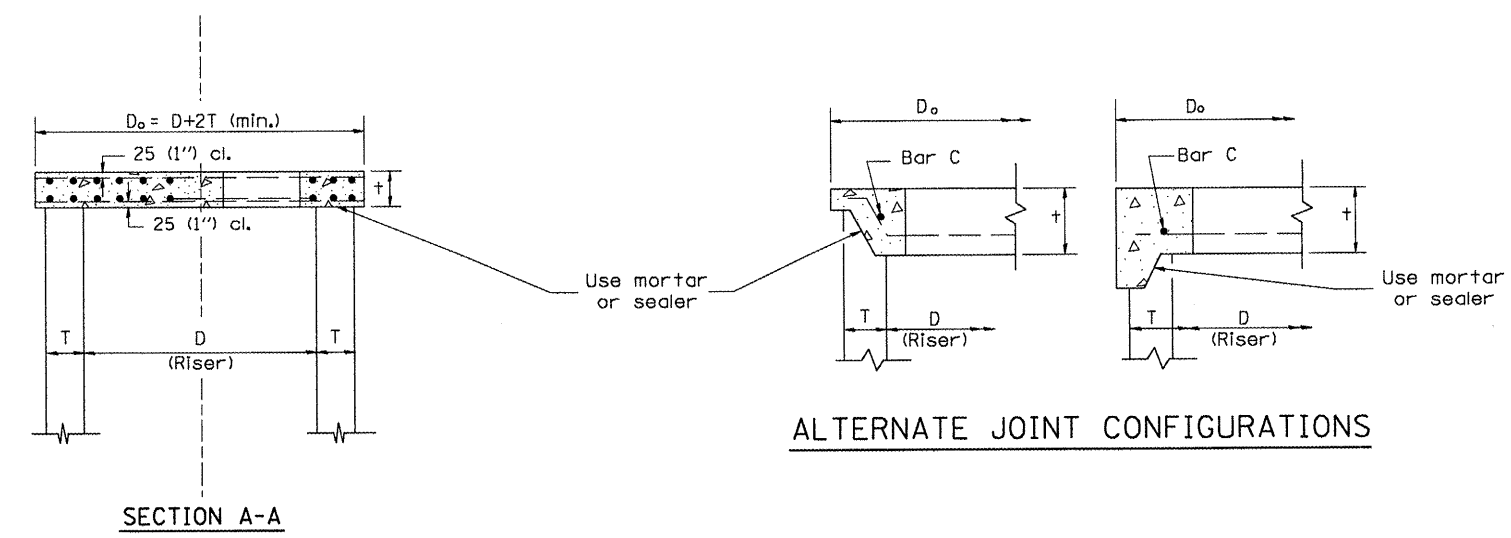
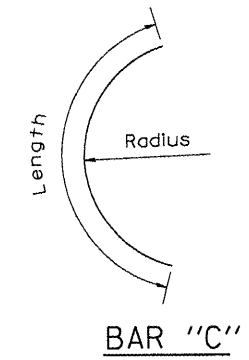


LIFTING HOLE OR LIFTING LOOP  
TYPICAL

(3 required per slab)

TABLE

D	T	D <sub>o</sub> (min.)	t	Reinforcement "As" W.W.F. each direction	Bar size	No. 15 (No. 4) Bar C	
						Length	Radius
1.2m (4')	125 (5)	1.5m (4'-10")	150 (6)	1480mm <sup>2</sup> / <sub>m</sub> (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.35m (4'-6")	660 (26)
1.5m (5')	150 (6)	1.8m (6'-0")	200 (8)	1480mm <sup>2</sup> / <sub>m</sub> (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.5m (5'-0")	810 (32)
1.8m (6')	195 (7 3/4)	2.2m (7'-3 1/2")	200 (8)	1860mm <sup>2</sup> / <sub>m</sub> (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	1.8m (6'-0")	965 (38)
2.4m (8')	225 (9)	2.9m (9'-6")	250 (10)	1860mm <sup>2</sup> / <sub>m</sub> (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	2.3m (7'-6")	1,27m (4'-2")



GENERAL NOTES

1. The precast reinforced concrete flat slab top shall be used with INLET-MANHOLE, TYPE G-1 and INLET-MANHOLE, TYPE G-1, SPECIAL.
2. Joint configuration and dimensions of flat slab top shall match and fit the riser joint detail.
3. Lifting devices shall be approved by the Engineer.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

PRECAST REINFORCED CONCRETE  
FLAT SLAB TOP FOR  
INLET-MANHOLE, TYPE G-1 AND  
TYPE G-1, SPECIAL

CADD STANDARD 602101-D4  
SCALE NOT TO SCALE  
DATE \*\*DATE\*\*

DRAWN BY CADD  
CHECKED BY

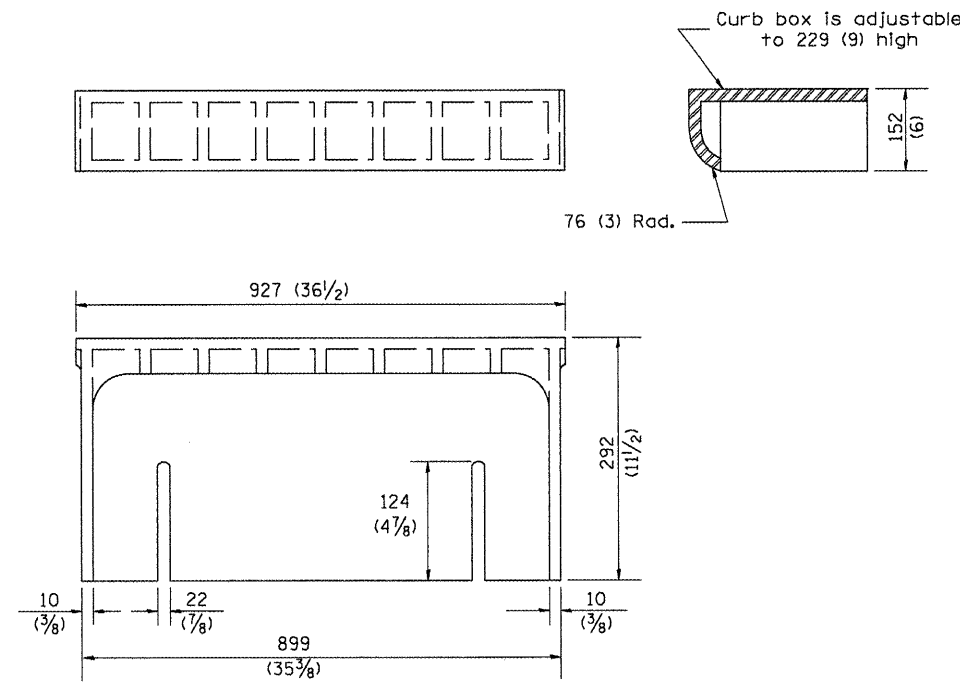
DATE	REVISIONS	BY
1-1-97	RENUM. B-4.07, NEW REVISION BOX	T.P.

DESIGNER NOTES:  
1. Include this standard with Type G-1 and Type G-1, Special Inlet-Manholes.  
2. The flat slab top is included in the cost of INLET-MANHOLES as per District Special Provision.

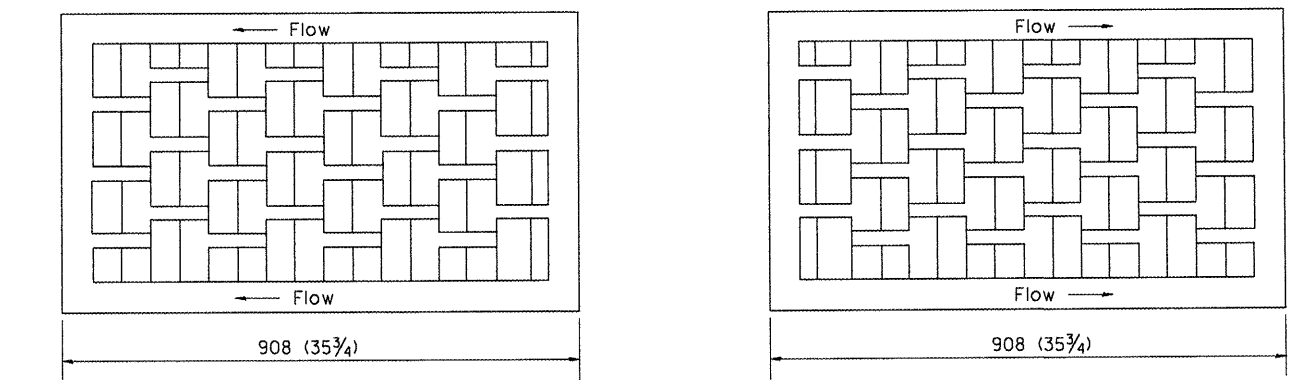
\$\$\$DATE\$\$\$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

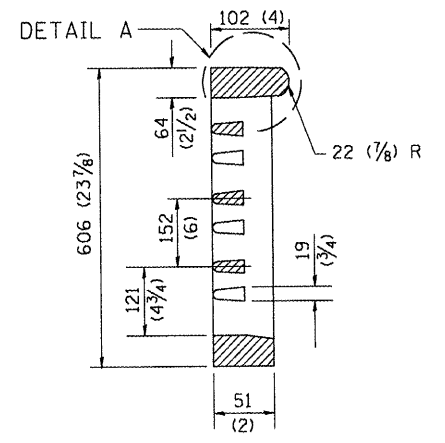
89392



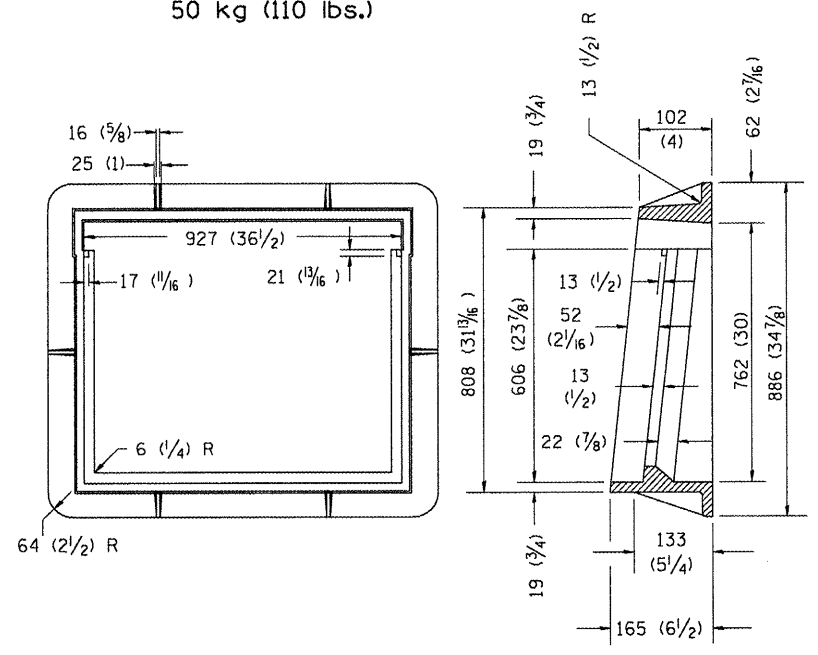
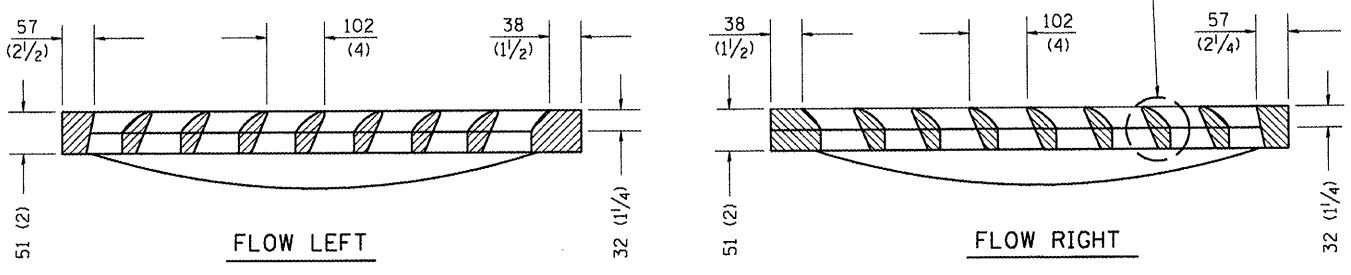
**CAST CURB BOX**  
50 kg (110 lbs.)



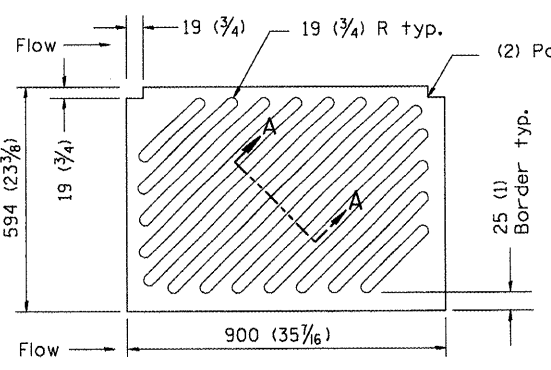
**CAST VANE GRATES**  
(SPECIFY LEFT OR RIGHT FLOW)  
104 KG (230 lbs.)



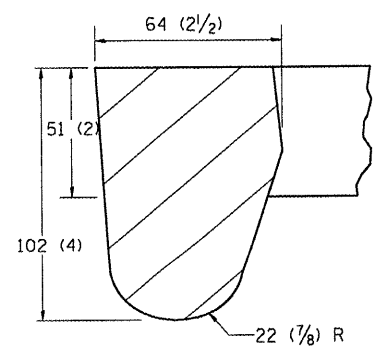
DETAIL B



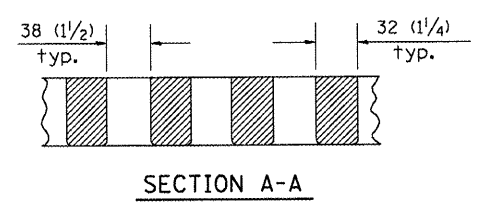
**CAST FRAME**  
123 kg (271 lbs.)



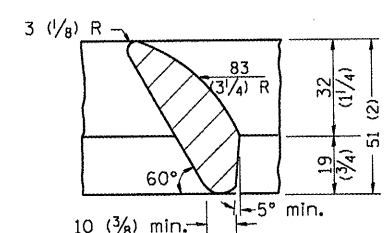
**CAST DIAGONAL GRATE**  
(Reversible for flow)  
98 kg (217 lbs.)



DETAIL A



SECTION A-A



DETAIL B

**GENERAL NOTES**

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

DATE	REVISIONS	BY
1-1-97	RENUM. B-10.01, NEW REVISION BOX	T.P.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

FRAME AND GRATES FOR  
TYPE G-1 AND TYPE G-1, SPECIAL  
DRAINAGE STRUCTURES

CADD STANDARD 604001-D4  
SCALE NOT TO SCALE  
DATE \*\*DATE\*\*

DRAWN BY CADD  
CHECKED BY

604001-D4

DESIGNER NOTES: 1. Include this standard with all Type G-1 and Type G-1, Special Drainage Structures.  
2. Specify grate types and flow directions in plans.  
3. These castings are included in the cost of the drainage structures as per District Special Provision.  
4. This drawing based upon "NEENAH" designs as follows: Inlet Frame: R-3246-A, Curb Box: R-3290, Reversible Diagonal Grate: R-3246-A, Vane Grates: R-3246-AL (flow left), R-3246-AL (flow right).

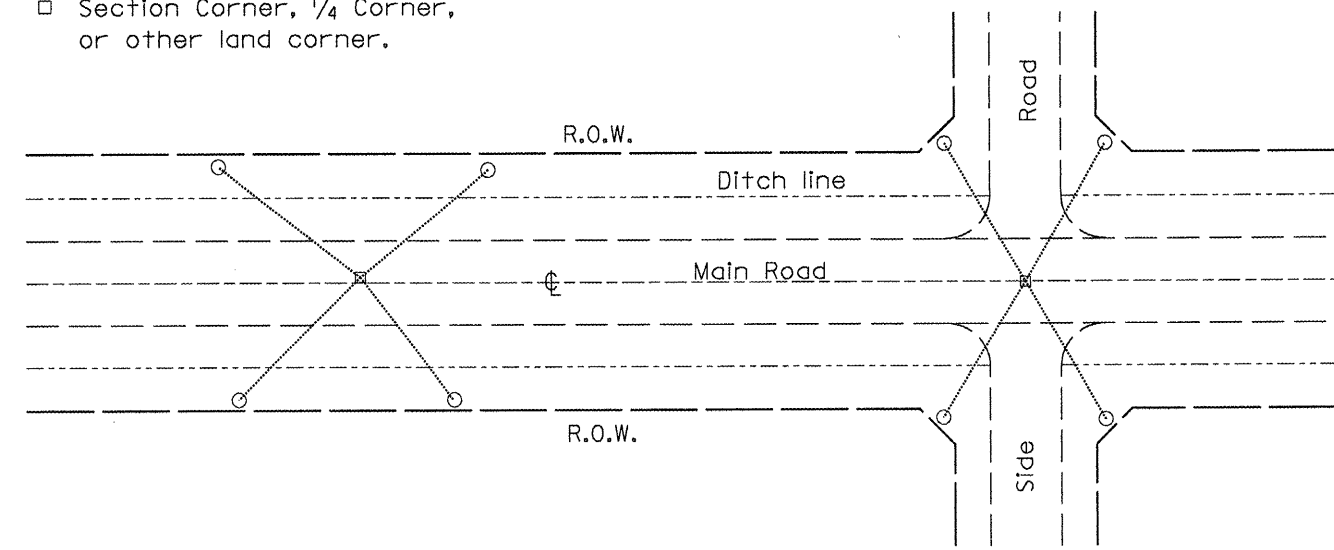
\$\$\$DATE\$\$\$

\*DGN-ONLY\*

89392

PERMANENT SURVEY TIES

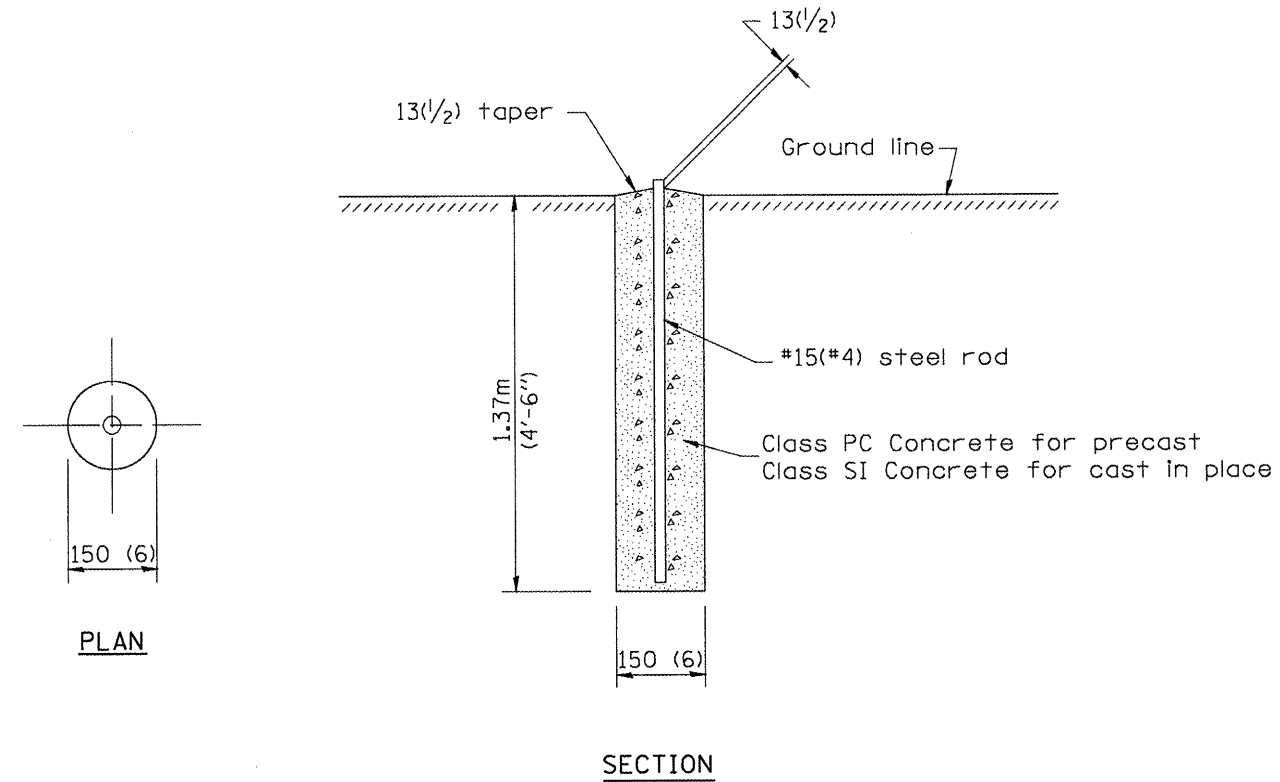
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

GENERAL NOTES

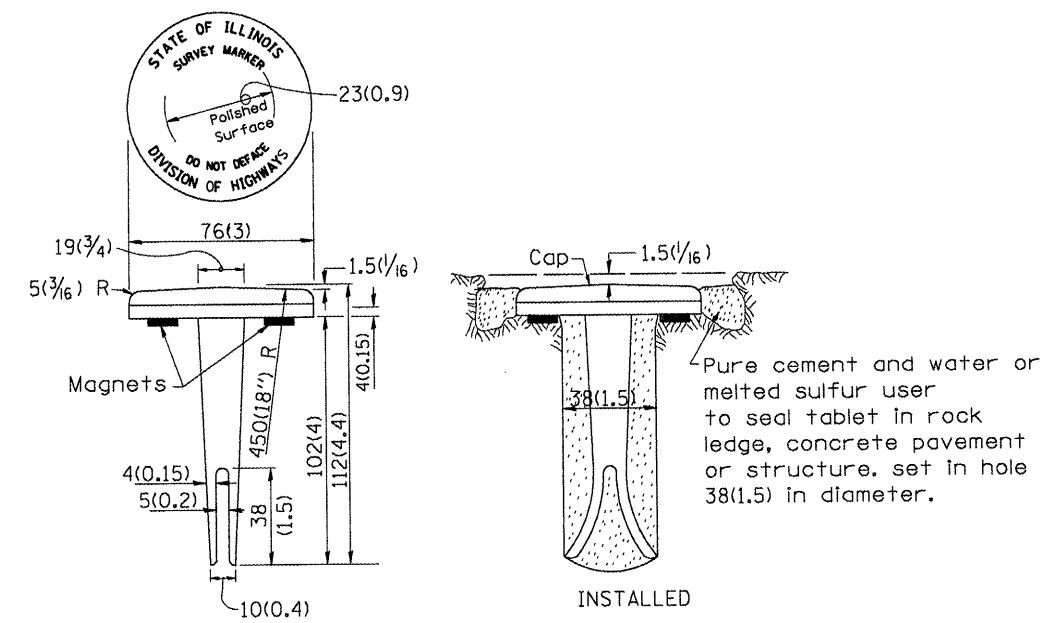
- The marker may be either precast of Class PC Concrete, or cast in place of Class SI Concrete.
- Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
- The tie distances to the section corner shall be measured and recorded by the IDOT Chief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



SECTION

PLAN

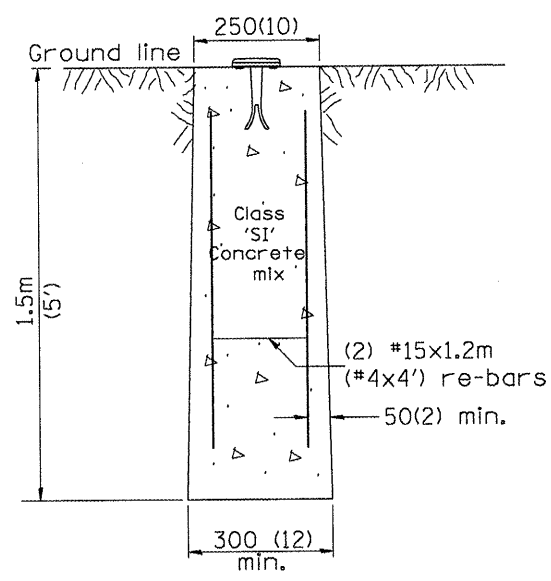
PERMANENT SURVEY MARKERS



BRONZE TABLET - No Scale TYPE I

GENERAL NOTES

- All type II markers shall be cast in place, and precast markers will not be allowed.
- Two permanent magnets, each having a diameter of 19 (3/4) and a thickness of 6 (1/4), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
- 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 always inter-visible, and not to exceed 300m(1000').
- 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.
- 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.



MARKER CAST IN PLACE TYPE II

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

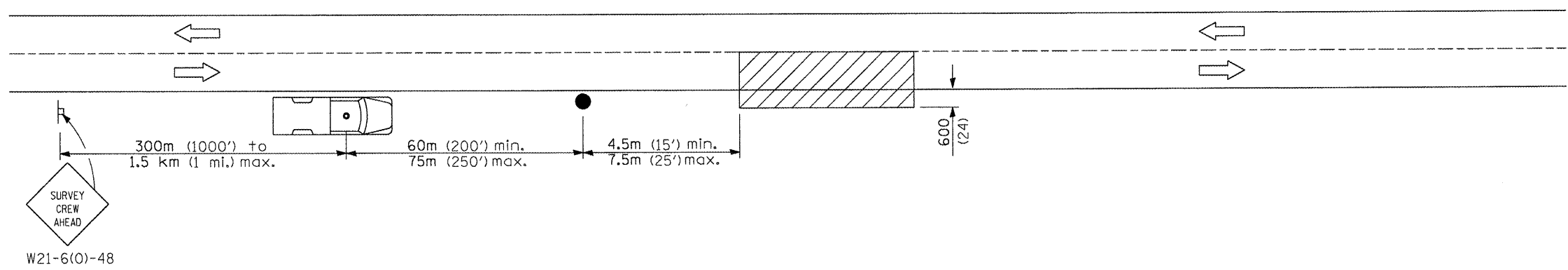
ILLINOIS DEPARTMENT OF TRANSPORTATION		
DISTRICT CADD STANDARD		
PERMANENT SURVEY TIE		
&		
PERMANENT SURVEY MARKERS TY.I - TY.II		
CADD STD. NO. 667101-D4		
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD	
DATE **DATE**	CHECKED BY	

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.

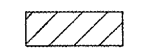
DESIGNER NOTE:  
 1. ADD DISTRICT SPECIAL PROVISION.  
 2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.  
 \*\*DATE\*\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

89392



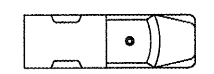
SYMBOLS



Work area



Sign on portable or permanent support



Truck with flashing amber light and dual emergency flashers



Flagger with traffic control sign

TYPICAL APPLICATIONS  
Utility operations

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

DATE	REVISIONS	BY
1-1-97	RENUM. E-3.04, METRICS, NEW REVISION BOX, REVISED TITLE BOX	T.P.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SPECIAL DETAIL SHEET

NIGHTTIME LIGHTING  
INSPECTION

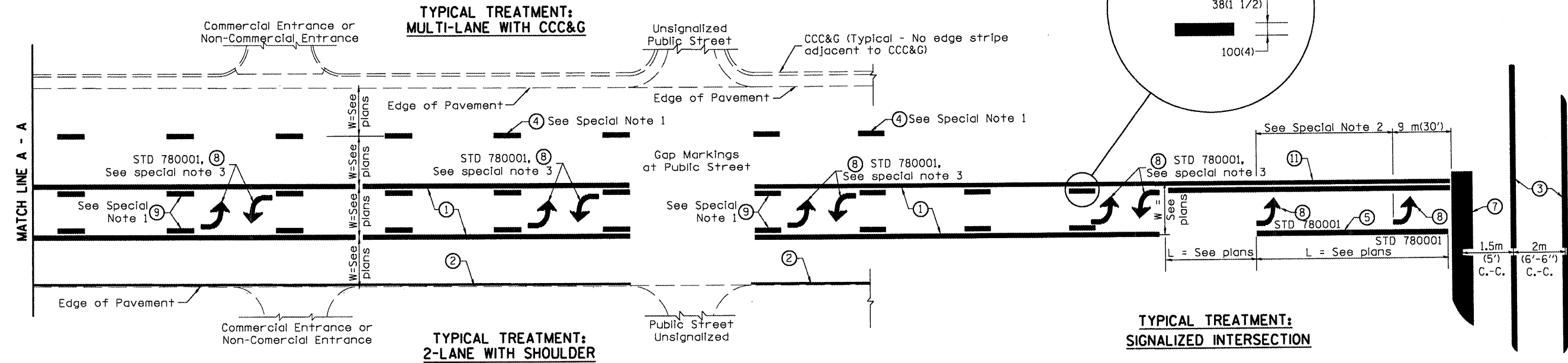
CADD STANDARD 701301-D4  
SCALE: NOT DRAWN TO SCALE  
DATE \*\*DATE\*\*

DRAWN BY CADD  
CHECKED BY

701301-D4

DATE

89397



**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) (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 (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 100(4) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 300(12) Diagonal (Yellow) (See Table A)
- ⑪ 100(4) Double Solid (Yellow)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**

**TYPICAL PAVEMENT MARKINGS**

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.

CADD STANDARD 780001-D4  
SCALE: NOT DRAWN TO SCALE

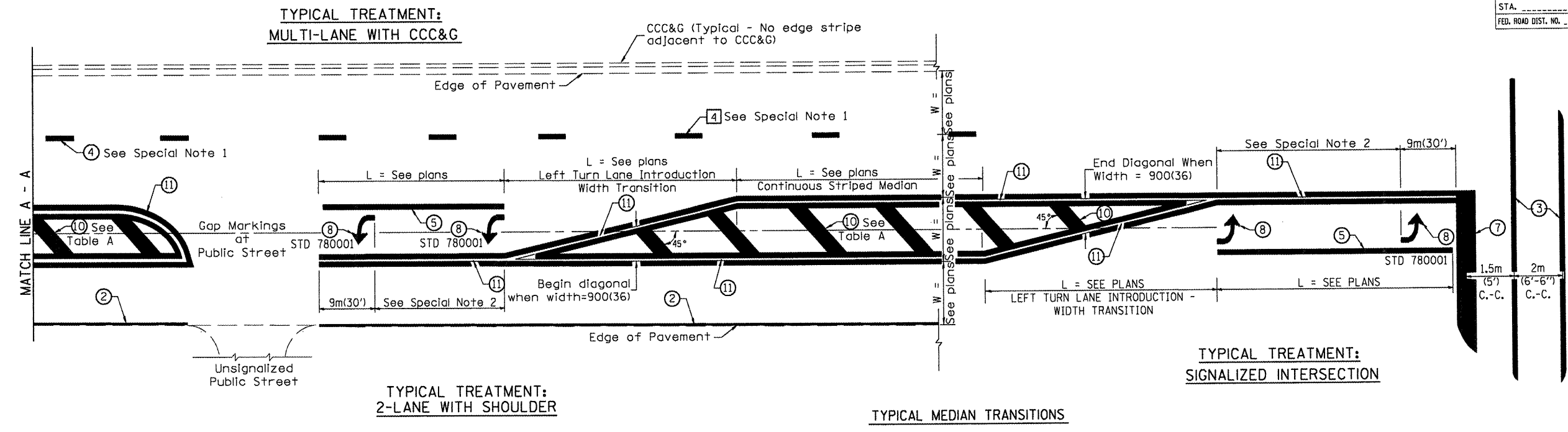
SHEET 1 OF 2  
DRAWN BY CADD  
CHECKED BY

780001-D4 (1)

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

\*DGN-ONLY\*

89392

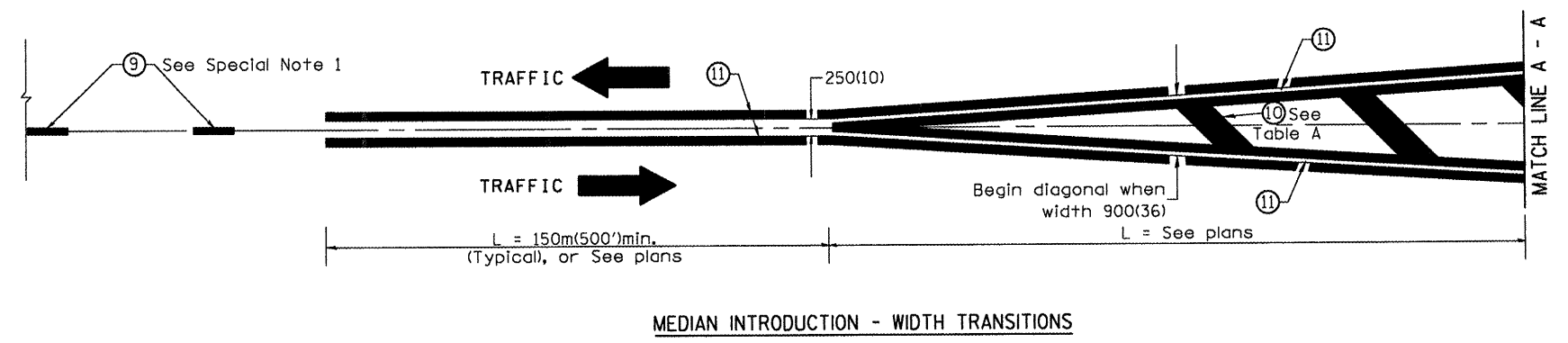


FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

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.

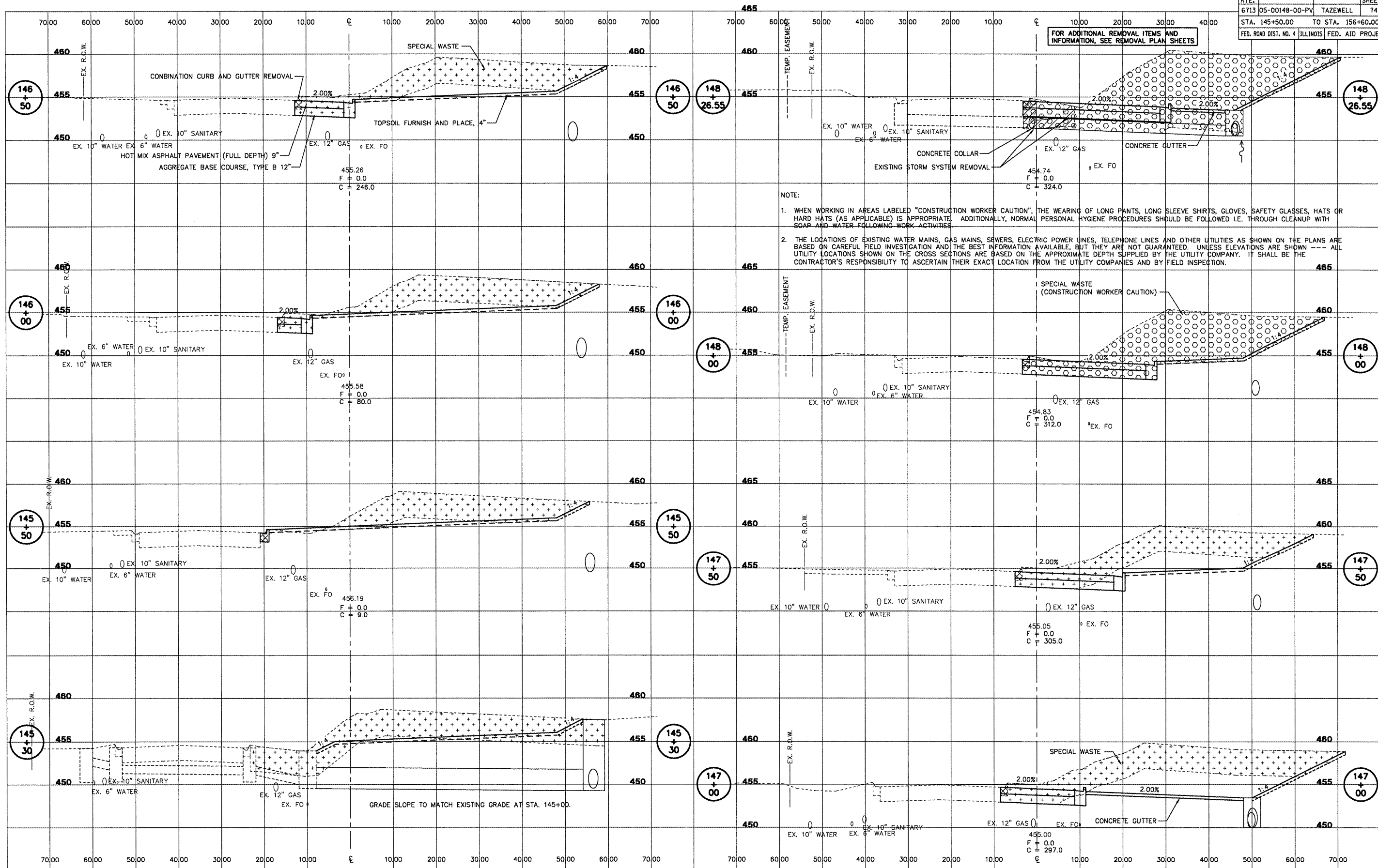
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
 TYPICAL PAVEMENT MARKINGS  
 CADD STANDARD 780001-D4 SHEET 2 OF 2  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

780001-D4 (2)

DATE: \$

\*DGN-ONLY\*

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	72
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



NOTE:

1. WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.
2. 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.

CAMP STREET - CROSS SECTIONS - STA. 140+00 TO STA. 146+00

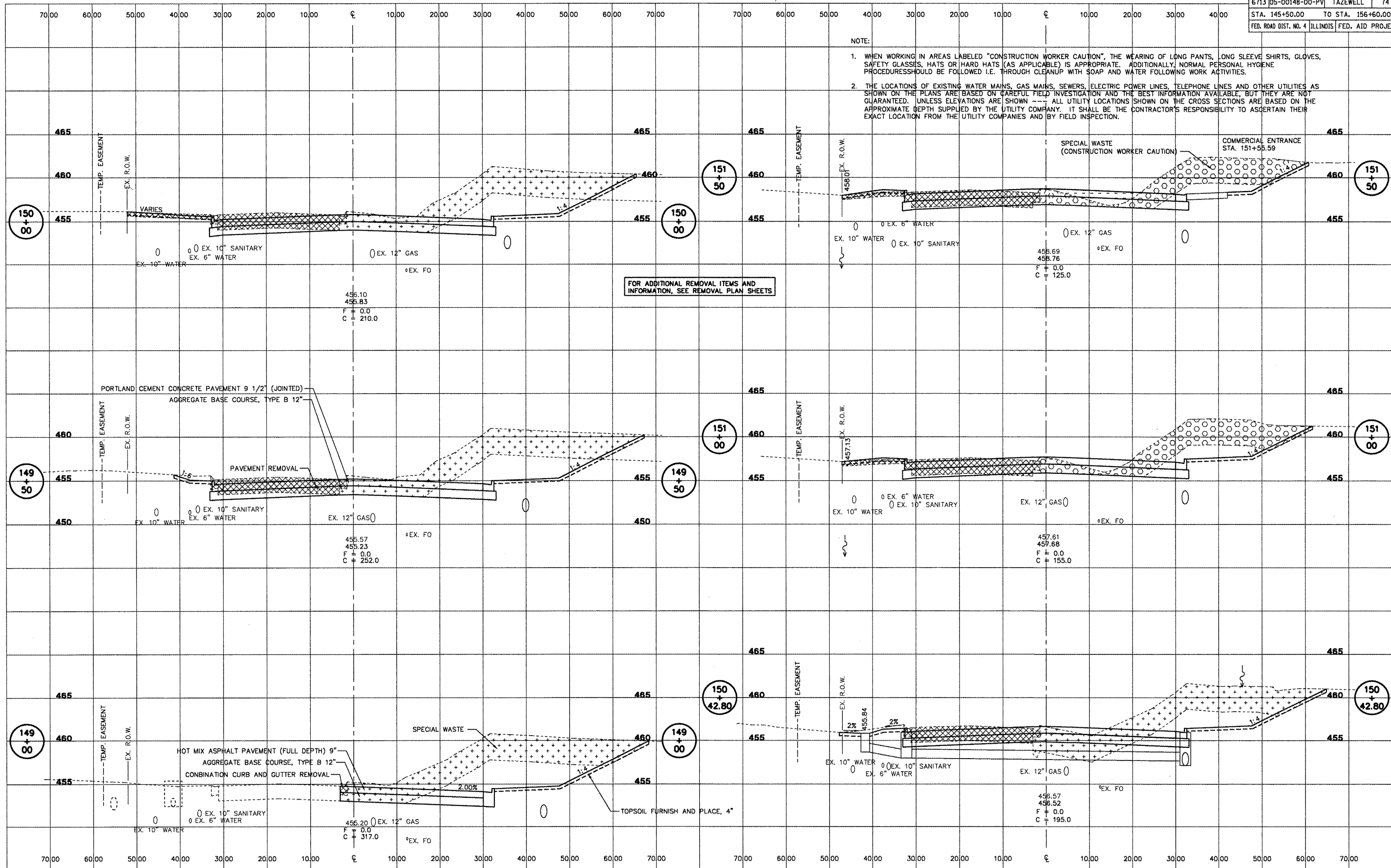
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	73
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

NOTE:

1. WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.
2. 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.

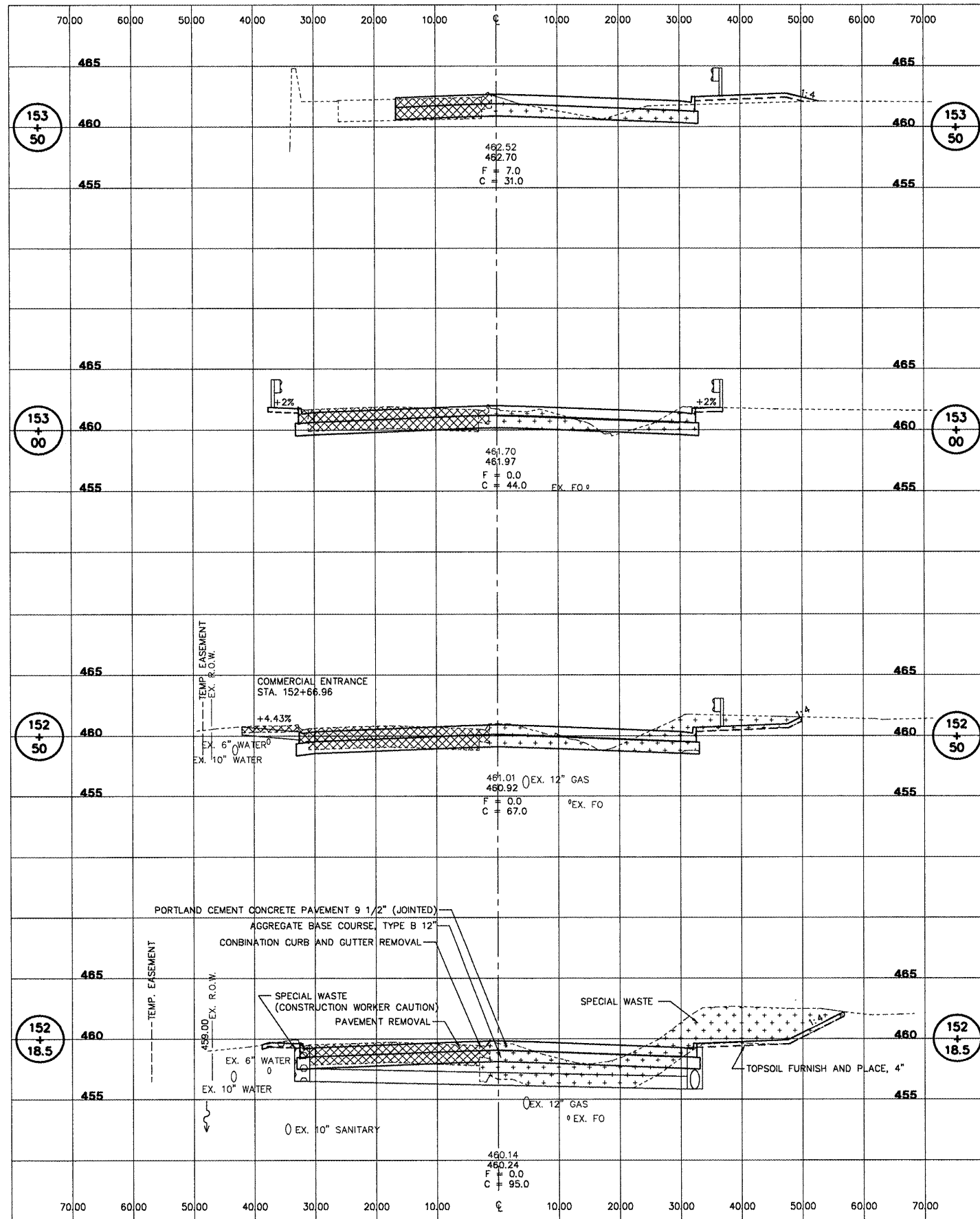


FOR ADDITIONAL REMOVAL ITEMS AND INFORMATION, SEE REMOVAL PLAN SHEETS

CAMP STREET - CROSS SECTIONS - STA. 149+00 TO STA. 151+00

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F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	05-00148-00-PV	TAZEWELL	74	74
STA. 145+50.00		TO STA. 156+60.00		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



FOR ADDITIONAL REMOVAL ITEMS AND INFORMATION, SEE REMOVAL PLAN SHEETS

NOTE:

1. WHEN WORKING IN AREAS LABELED "CONSTRUCTION WORKER CAUTION", THE WEARING OF LONG PANTS, LONG SLEEVE SHIRTS, GLOVES, SAFETY GLASSES, HATS OR HARD HATS (AS APPLICABLE) IS APPROPRIATE. ADDITIONALLY, NORMAL PERSONAL HYGIENE PROCEDURES SHOULD BE FOLLOWED I.E. THROUGH CLEANUP WITH SOAP AND WATER FOLLOWING WORK ACTIVITIES.
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**BRIDGE OMISSION STA.  
 153+63.15 TO STA. 154+72.82**

**SEE INTERSECTION GRADING PLANS FOR  
 STA. 154+72.82 TO EOP STA. 156+82.40**

**CAMP STREET - CROSS SECTIONS - STA. 152+00 TO STA. 156+00**