

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	1
		ILLINOIS	CONTRACT NO. 66B67	

- 1 COVER SHEET
- 2 HIGHWAY STANDARDS AND PLAN NOTES
- 3-8 SUMMARY OF QUANTITIES
- 9 TYPICAL SECTIONS
- 10-11 SCHEDULE OF QUANTITIES
- 12 ALIGNMENT, TIES, AND BENCHMARKS
- 13 REMOVAL PLAN
- 14-15 PLAN AND PROFILE
- 16-17 DETOUR PLAN
- 18 EROSION AND SEDIMENT CONTROL DETAILS
- 19 DRAINAGE AND UTILITIES PLAN
- 20 RIGHT OF WAY PLAN
- 21-50 PROPOSED STRUCTURE PLANS (STRUCTURE NO. 046-0152)
- 51-52 EXISTING SN 046-0107 404 PERMIT CAUSEWAY/WORK PAD PLAN
- 53-63 EXISTING STRUCTURE PLANS (STRUCTURE NO. 046-0107)
- 64-67 DISTRICT DETAILS
- 68-71 CROSS SECTIONS

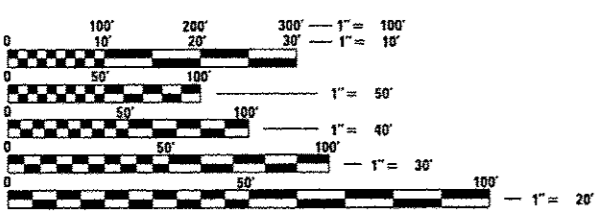
PROPOSED HIGHWAY PLANS

**FAU 6188 (IL 115)
SECTION (39C) 1-BR
PROJECT ACM-6188(003)
BRIDGE REPLACEMENT
OVER GAR CREEK
KANKAKEE COUNTY**

C-93-003-16

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

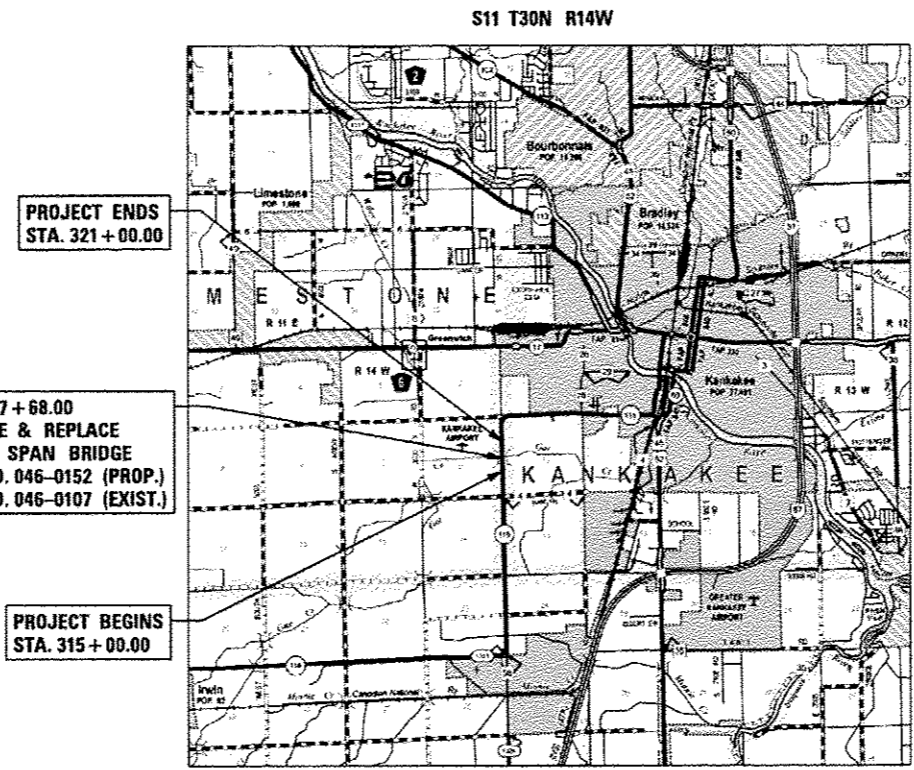
PROJECT DESCRIPTION:
THE PROJECT WILL COMPLETELY REMOVE AND REPLACE THE SUPERSTRUCTURE AND SUBSTRUCTURE OF THE EXISTING BRIDGE WITH A SINGLE SPAN STEEL BEAM BRIDGE OVER GAR CREEK. GUARDRAIL WILL BE REPLACED IN ALL FOUR QUADRANTS TO MEET CURRENT STANDARDS FOR 3R PROJECTS. THE ROADWAY WILL BE RESURFACED AND THE PROFILE ADJUSTED TO ACCOMMODATE THE PROPOSED STRUCTURE ALONG IL-115. THIS WORK ALSO INCLUDES ROADSIDE SLOPE RE-GRADING AND THE RE-ALIGNMENT OF DITCHES. TRAFFIC WILL BE DETOURED DURING THE CONSTRUCTION OF THE BRIDGE. ACCELERATED BRIDGE CONSTRUCTION METHODS WILL BE USED TO LIMIT THE ROAD CLOSURE PERIOD.



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

**PROJECT ENGINEER: DAVID ALEXANDER, PE
UNIT CHIEF: RUTH GEDYE
TOWNSHIPS: LIMESTONE
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66B67**

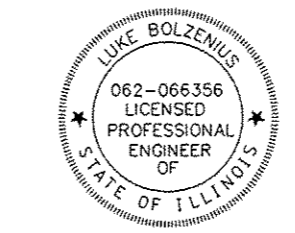


PROJECT ENDS
STA. 321 + 00.00

STA. 317 + 68.00
REMOVE & REPLACE
SINGLE SPAN BRIDGE
STR. NO. 046-0152 (PROP.)
STR. NO. 046-0107 (EXIST.)

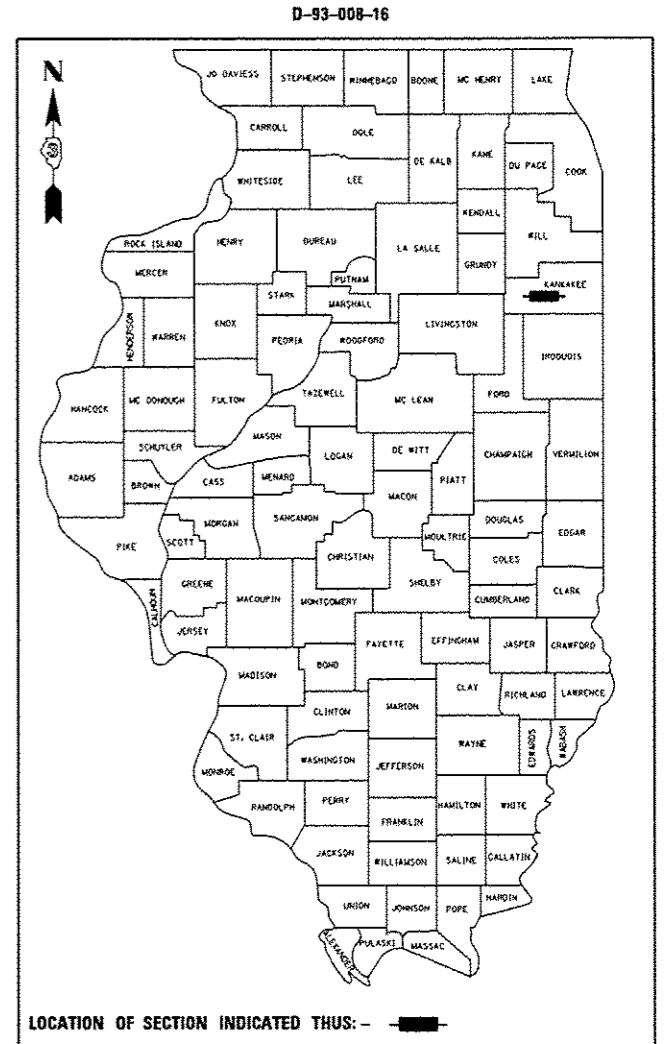
PROJECT BEGINS
STA. 315 + 00.00

GROSS LENGTH = PROJECT LENGTH = 600 FT. = 0.114 MILE



Signature
12/7/2016
DATE

11/30/2017
EXPIRES



LOCATION OF SECTION INDICATED THUS: — ■ —

TRAFFIC DATA

ROUTE: FAU 6188 (IL RTE. 115)
FUNCTIONAL CLASS: MINOR ARTERIAL (URBAN)
EXISTING ADT: 2850 (2011)
CONSTRUCTION ADT: 3000 (2017)
DESIGN ADT: 4000 (2037)
PV: 76% SU: 10% MU: 14%

DESIGN SPEED: 55 MPH
POSTED SPEED: 55 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 9, 2016*
Kevin Marchel, P.E.
REGIONAL ENGINEER

Jan 27, 2017
Maurice M. Addison, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 27, 2017
Michael J. Kelly, 2
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
2. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.
3. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
4. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
5. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
6. FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
7. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
8. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
9. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
10. ALL ELEVATIONS REFER TO U. S. G. S. MEAN SEA LEVEL DATUM.
11. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
12. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
13. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
14. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

16. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENTS ARE:
 - COMCAST
 - NICOR GAS COMPANY
 - COMED, AN EXELON COMPANY
 - AT&T
17. ADDITIONAL AGENCIES WITH JURISDICTION OR RESPONSIBILITIES WITHIN PROJECT AREA
 - KANKAKEE AIRPORT (PRIVATE)
 - GAR CREEK DRAINAGE DISTRICT

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL EQUIVALENTS OF AN INCH AND FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
630001-11	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-11	TRAFFIC BARRIER TERMINAL, TYPE 6
666001-01	RIGHT-OF-WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701901-06	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

COMMITMENTS

1. INSPECT LOCAL ROADS IN PROJECT VICINITY WITH COUNTY OR CITY REPRESENTATIVES BEFORE AND AFTER DETOUR USE.
2. TEMPORARY AND PERMANENT HEIGHT RESTRICTIONS WILL BE COORDINATED WITH THE KANKAKEE-KOERNER (3KK) AIRPORT, 100T DIVISION OF AERONAUTICS, AND THE FAA AS REQUIRED. COORDINATION WITH KANKAKEE-KOERNER AIRPORT IS REQUIRED PRIOR TO THE USE OF CRANES OR ANY OTHER RAISED EQUIPMENT.

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE	HMA SHOULDERS TOP LIFT	TEMPORARY HMA AND HMA SHOULDER/CONNECTOR BOTTOM LIFTS
PG GRADE	PG64-22	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE	-	-	MIX-TURE C	MIX-TURE C	-
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORES	CORES	CORES
MIXTURE WEIGHT	112 LBS /SQ. YD. /IN.	112 LBS /SQ. YD. /IN.	112 LBS /SQ. YD. /IN.	112 LBS /SQ. YD. /IN.	112 LBS /SQ. YD. /IN.
QUALITY MANAGEMENT PROGRAM	OC/OA	OC/OA	OC/OA	OC/OA	OC/OA
SUBLOT SIZE	N/A	N/A	N/A	N/A	N/A
LOCATION	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Tom Baird
DISTRICT STUDIES & PLANS ENGINEER

DATE: December 9, 2016

EXAMINED BY: Shearbert Perry (road)
DISTRICT CONSTRUCTION ENGINEER

W. J. Kelly
DISTRICT MATERIALS ENGINEER

J. H. Hargrave
DISTRICT OPERATIONS ENGINEER



USER NAME = lbozenuis	DESIGNED - LB	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - KK	REVISED -
PLOT DATE = 12/27/2016	CHECKED - CT	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND PLAN NOTES

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	2
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

5021 5022

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RURAL	BRIDGE
				0011 SN 046-0152	0011 SN 046-0152
20200100	EARTH EXCAVATION	CU YD	1375	1375	
20400800	FURNISHED EXCAVATION	CU YD	314	314	
25000210	SEEDING, CLASS 2A	ACRE	0.6	0.6	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	56	56	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	56	56	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	56	56	
25100115	MULCH, METHOD 2	ACRE	0.6	0.6	
25100630	EROSION CONTROL BLANKET	SQ YD	2857	2857	
28000305	TEMPORARY DITCH CHECKS	FOOT	28	28	
28000400	PERIMETER EROSION BARRIER	FOOT	494	494	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
28100105	STONE RIPRAP, CLASS A3	SQ YD	27	27	
28100107	STONE RIPRAP, CLASS A4	SQ YD	837	837	
28200200	FILTER FABRIC	SQ YD	837	837	
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	72	72	

FILE NAME: P:\2015\0956 - IDOT D3 Verona Phase II (PIB 145-1B) MOI2 13 A 14\0956-03 ITSL IL 115 over Bar Creek PIB 1451B\04-CAD\04-Sheet Files\095603-03-Summary.dgn



USER NAME = jbolzenus	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - OAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	3
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2015\0656 100T 03 Verrion Phase II (PTB 145-18) MD2 13 & 14\0656-83 (TBL IL 115 over Cap Creek PTB 14518)M4-CMDV64-Sheet Files\036567-84-Summary.dgn
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SUMMARY OF QUANTITIES				80% FED 20% STATE	80% FED 20% STATE
				CONSTRUCTION TYPE CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL	BRIDGE
				0011	0011
				SN 046-0152	SN 046-0152
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.4	0.4	
40600525	LEVELING BINDER (HAND METHOD), N50	TON	0.6	0.6	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	52	52	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	18	18	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	98	98	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	54	54	
44000100	PAVEMENT REMOVAL	SQ YD	281	281	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1221	1221	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	126	126	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	684	684	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	145	145	
50200100	STRUCTURE EXCAVATION	CU YD	344	344	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	143.4	143.4	
50300260	BRIDGE DECK GROOVING	SQ YD	302	302	

15



USER NAME = lboisrenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 1/80.0000 "/> <td>DRAWN - TCS</td> <td>REVISED -</td>	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	4
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE		
			TOTAL QUANTITY	RURAL	BRIDGE
				BRIDGE	BRIDGE
			0011	0011	
			SN 046-0152	SN 046-0152	
50300300	PROTECTIVE COAT	SO YD	387	387	
50401205	PRECAST CONCRETE CAPS	EACH	2		2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1	1	
50500505	STUD SHEAR CONNECTORS	EACH	1800	1800	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	27810	27810	
51201500	FURNISHING STEEL PILES HP10X57	FOOT	480	480	
51202305	DRIVING PILES	FOOT	480	480	
51204650	PILE SHOES	EACH	30	30	
51500100	NAME PLATES	EACH	1	1	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6	6	
52100505	ANCHOR BOLTS, 5/8"	EACH	12	12	
52100540	ANCHOR BOLTS, 1 1/2"	EACH	2	2	
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	42	42	
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	223	223	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1	

FILE NAME = P:\2015\0656 IDOT 03 Various Phase II (PTB 14518) M012 13 & 14\0656-03 (TSL IL 115 over Dow Creek PTB 14518) 04-C400\04-Sheet 1.dwg
 P:\2015\0656 IDOT 03 Various Phase II (PTB 14518) M012 13 & 14\0656-03 (TSL IL 115 over Dow Creek PTB 14518) 04-C400\04-Sheet 1.dwg
 Default



USER NAME = jbolzenus	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: N/A SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	5
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

FILE NAME : P:\2015\666 1001 03 Various Phase II (PTB 145-10) MOI2 13 & 14\666-83 (TSL IL 115 over Cor Creek PTB 14510104-C40D104-Sheet Files\036667-BS-Summary.dgn

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE		
			RURAL	BRIDGE	BRIDGE
			TOTAL QUANTITY	0011 SN 046-0152	0011 SN 046-0152
54215553	METAL END SECTIONS 18"	EACH	2	2	
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	81	81	
60801036	FLAP GATE 36"	EACH	1	1	
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	100	100	
61100605	MISCELLANEOUS CONCRETE	CU YD	0.2	0.2	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	50	50	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	360	360	
63500105	DELINEATORS	EACH	4	4	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	6	6	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	275	275	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	

IS * SPECIALTY ITEMS



USER NAME : lbalzanus	DESIGNED - LAS	REVISED -
PLOT SCALE : 100.0000' / 1" =	DRAWN - TCS	REVISED -
PLOT DATE : 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	6
CONTRACT NO. 66667			ILLINOIS FED. AID PROJECT	

80% FED
20% STATE

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20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RURAL	BRIDGE
				0011	0011
				SN 046-0152	SN 046-0152
67100100	MOBILIZATION	LSUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	280	280	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	35	35	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2400	2400	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	300	300	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	15	15	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15	15	
X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	110	110	
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	140	140	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
15 X0900038	LATERAL SLIDE BRIDGE SUPERSTRUCTURE	LSUM	1		1

* SPECIALTY ITEMS

FILE NAME: P:\2015\9556 1001 03 Version Phase II (PTB 145-1B) WD12 13 & 14\9556-03 (15) IL 115 over for Creek PTB 1451B\A4-C000\A4-Sheet Files\0366867-07-Summary.dgn
 Date:



USER NAME = lboizanus	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A		SHEET NO. 5 OF 6 SHEETS		STA.	TO STA.
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F.A.U. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	7
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

REV

FILE NAME = P:\2015\6556\DOT 03_Verion Phase II\PTB 145-181\DOT 13 & 14\6556-03 ITS_ II_115_cvr_Cr_Creek PTB 145\181\A+C\DOT014-Sheet 1.dwg
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 Default

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RURAL	BRIDGE
				0011	0011
				SN 046-0152	SN 046-0152
X0900039	FULL DEPTH PRECAST BRIDGE APPROACH SLAB	SO FT	2310		2310
X0900040	PRECAST BRIDGE APPROACH FOOTING	SO FT	757		757
X0900041	PRECAST WINGWALL	EACH	4		4
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	11	11	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	138	138	

80% FED
20% STATE

80% FED
20% STATE

MILHOUSE ENGINEERING & CONSTRUCTION	USER NAME = jbolzernia	DESIGNED - LAS	REVISED -
	PLOT SCALE = 100,0000' / 1"	DRAWN - TCS	REVISED -
	PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
		DATE -	REVISED -

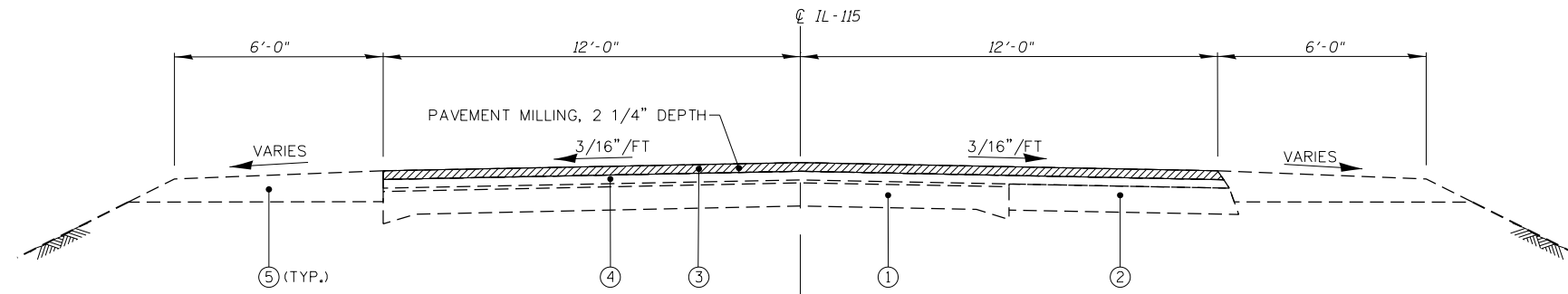
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	8
CONTRACT NO. 66B67				

REV



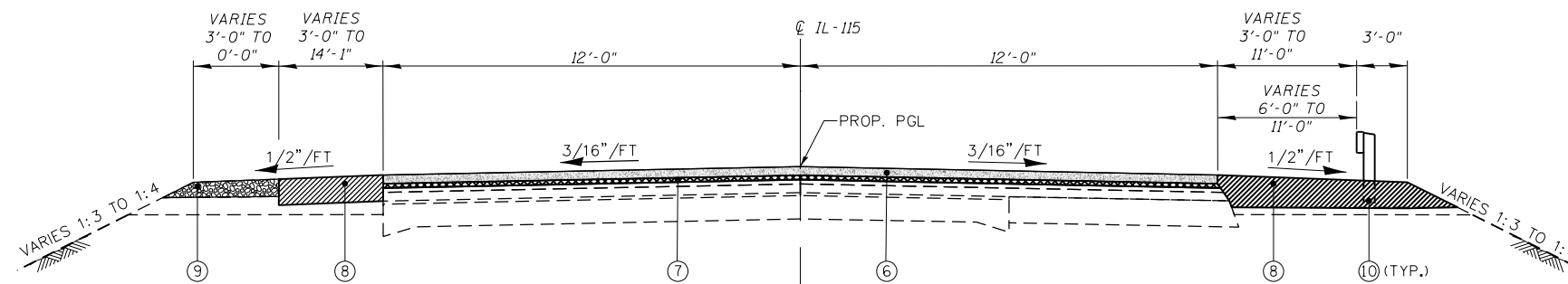
IL ROUTE 115 EXISTING ROADWAY

TYPICAL SECTION

STA. 315+00 TO STA. 316+97
 STA. 318+39 TO STA. 321+00
 N.T.S.

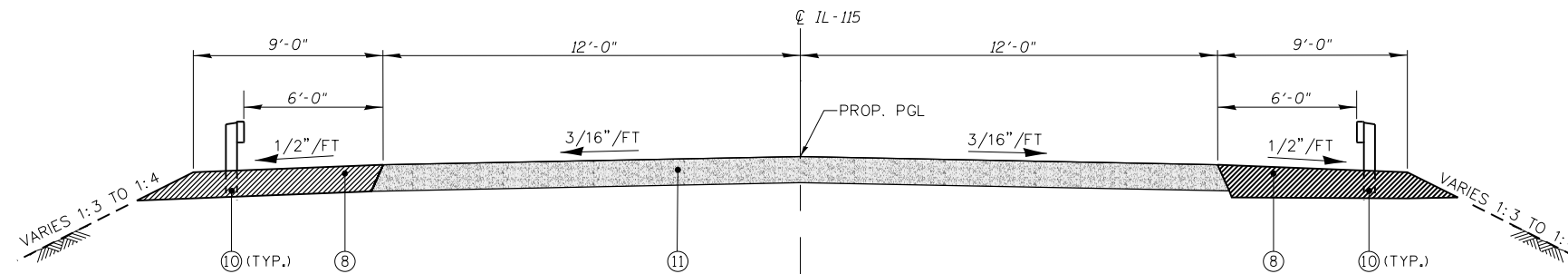
LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING BASE COURSE
- ③ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 1 1/2"
- ④ EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 1/2"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- ⑦ PROPOSED LEVELING BINDER (MM), N50, VARIES 3/4" TO 2 1/2"
 ADDITIONAL BINDER MATERIAL WILL BE PAID FOR AS HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (WHEN THICKNESS IS GREATER THAN 2 1/2")
- ⑧ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" (TYPICAL FOR NO GUARDRAIL)
- ⑩ PROPOSED GUARDRAIL (MIRROR FOR OTHER DIRECTION, SEE SCHEDULE FOR GUARDRAIL LOCATIONS)
- ⑪ PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB, FULL DEPTH



IL ROUTE 115 PROPOSED RESURFACING TYPICAL SECTION

STA. 315+00 TO STA. 316+87
 STA. 318+49 TO STA. 321+00
 N.T.S.



IL ROUTE 115 PROPOSED FULL DEPTH TYPICAL SECTION

STA. 316+87 TO STA. 316+97
 STA. 318+39 TO STA. 318+49
 N.T.S.

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Ger Creek PTB 145\B\04-CADD\04-Sheet Files\065667-09-Typical.dgn



USER NAME = Ibolzenius	DESIGNED - LB	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - CT	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	9
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

FROM STATION	TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
315+00.00	315+25.00	13	9	79	-70
315+25.00	315+55.00	17	13	195	-182
315+55.00	315+95.58	31	24	270	-247
315+95.58	316+50.00	39	29	154	-124
316+50.00	317+00.00	30	23	5	18
317+00.00	317+32.31	15	11	1	10
317+30.29*		172	129	172	-43
318+05.71*		64	48	64	-16
318+03.30	318+50.00	234	176	72	104
318+50.00	319+00.00	451	338	113	225
319+00.00	319+50.00	345	259	105	153
319+50.00	320+00.00	227	170	135	35
320+00.00	320+25.00	70	53	105	-53
320+25.00	320+50.00	52	39	105	-66
320+50.00	321+00.00	72	54	112	-58
TOTAL		1833	1375	1689	-314

* EXCAVATION AND EMBANKMENT FOR TEMPORARY SLIDING PLATFORMS

EROSION CONTROL SCHEDULE

FROM STATION	TO STATION	SIDE	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (FOOT)	INLET AND PIPE PROTECTION (EACH)	PERIMETER EROSION BARRIER (FOOT)	STONE RIPRAP, CLASS A3 (SQ YD)
315+00	315+84	LT	22				
315+00	315+43	RT	112				
315+22		RT			1		
315+29	317+31	RT				229	
315+67	317+17	RT	651				
316+10	317+17	LT	66				
317+25	317+45	RT	96				
318+00	318+11	RT	50				
318+00	321+00	LT	1023				
318+05	320+46	RT				265	
318+00	320+13	RT	687				
318+38	318+44	RT					13
318+38	318+44	LT					14
318+50		LT		14			
318+50		RT		14			
320+37	321+00	RT	150				
320+48		RT			1		
TOTAL			2857	28	2	494	27

PAVEMENT SCHEDULE

FROM STATION	TO STATION	PAVEMENT REMOVAL (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50 (TON)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (TON)	LEVELING BINDER (MACHINE METHOD), IL-9.5, N50 (TON)	HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	AGGREGATE SHOULDERS, TYPE B 6" (SQ YD)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SQ YD)	AGGREGATE SURFACE COURSE, TYPE B 8" (CU YD)
315+00	315+55							27		
315+00	316+97		525	42		21	337			
315+00	316+00	15.4								
315+31	315+76									29.4
315+76	316+17									14.5
316+70	316+87				6					
316+87	316+97								27	
316+88	317+33	131.5								
318+02	318+48	133.9								
318+39	318+49								27	
318+49	321+00		696	56		31	347			
318+49	318+80				12					
319+35	321+00							99		
319+98	320+52									
320+01	320+49									27.4
TOTAL		281	1221	98	18	52	684	126	54	72

GUARDRAIL REMOVAL SCHEDULE

BEGIN STATION	END STATION	SIDE	GUARDRAIL REMOVAL (FOOT)
316+31	317+33	RT	102
316+56	317+33	LT	77
318+02	318+80	RT	78
318+02	319+05	LT	103
TOTAL			360

FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TS) IL 115 over Gar Creek PTB 145\B\04-CADD\04-Sheet Files\0666-10-Schedule.dgn
 Default



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
	DRAWN - TCS	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - DAZ	REVISED -
PLOT DATE = 12/29/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A		SHEET NO. 1 OF 2 SHEETS		STA. TO STA.	
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F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	10
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE

STRUCTURE NO	STATION	OFFSET	TYPE	LENGTH (FT)	INVERT DIRECTIONS							
					N	NE	E	SE	S	SW	W	NW
1	315+21	33.33 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"						615.97			
2	315+21	33.33 RT	PIPE CULVERTS, CLASS A, TYPE 2 36"	223								
3	317+43	33.33 RT	FLAP GATE 36"		614.92							
4	320+00	38.76 RT	METAL END SECTIONS 18"						618.28			
5	320+00	38.76 RT	PIPE CULVERTS, CLASS A, TYPE 2 18"	42								
6	320+50	36.66 RT	METAL END SECTIONS 18"		618.28							

GUARDRAIL SCHEDULE

FROM STATION	TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	GUARDRAIL REFLECTORS TYPE A (EACH)
315+93.85	316+43.85	RT		1		
316+43.85	316+68.85	RT	25			
316+68.85	317+12.60	RT			1	
316+18.85	316+68.85	LT		1		
316+68.85	317+12.60	LT			1	
315+93.86	319+16.15	RT				4
316+18.60	319+41.14	LT				4
318+22.40	318+66.15	RT			1	
318+66.15	319+16.15	RT		1		
318+22.40	318+66.15	LT			1	
318+66.15	318+91.15	LT	25			
318+91.15	319+41.15	LT		1		
TOTAL			50	4	4	8

SEEDING SCHEDULE

FROM STATION	TO STATION	SIDE	SEEDING, CLASS 2A (ACRE)	MULCH METHOD 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)
315+00	315+84	LT	0.0028	0.0028	1	1	1
315+00	315+43	RT	0.0231	0.0231	2	2	2
315+67	317+17	RT	0.1345	0.1345	12	12	12
316+08	317+15	LT	0.0213	0.0213	2	2	2
318+00	321+00	LT	0.2114	0.2114	19	19	19
318+07	320+13	RT	0.1860	0.1860	17	17	17
320+37	321+00	RT	0.0311	0.0311	3	3	3
TOTAL			0.6102	0.6102	56	56	56

PAVEMENT MARKING SCHEDULE

FROM STATION	TO STATION	SIDE	PAINT PAVEMENT MARKING LINE 4" WHITE (FOOT)	PAINT PAVEMENT MARKING LINE 6" SKIP YELLOW (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	TEMPORARY PAVEMENT MARKING - LINE 4" (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 6" (FOOT)	PAVEMENT MARKING REMOVAL - WATER BLASTING (SQ FT)
315+00	321+00	RT	1200						
315+00	321+00	LT	1200						
315+00	321+00	CL		300	15	15			
316+98	318+44						280	35	110
TOTAL			2400	300	15	15	280	35	110

NOTE: ADDITIONAL QUANTITY HAS BEEN INCLUDED TO ALLOW FOR TWO SEPARATE APPLICATIONS OF PAINT PAVEMENT MARKING LINE.

FILE NAME = P:\2015\0656-DDT D3 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Ger Creek PTB 145\B\04-CADD\04-Sheet Files\0656-11-Schedule.dgn
 Default



USER NAME = Ibolzenius
 PLOT SCALE = 100.0000' / 1"

DESIGNED - LAS
 DRAWN - TCS
 CHECKED - DAZ
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

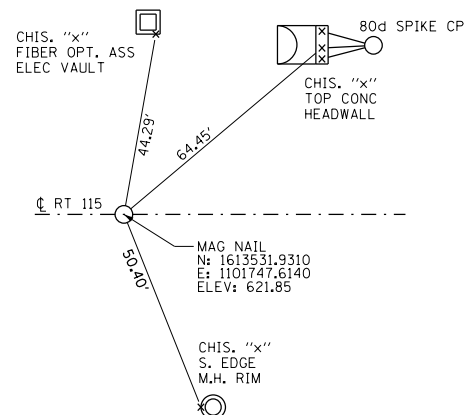
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.

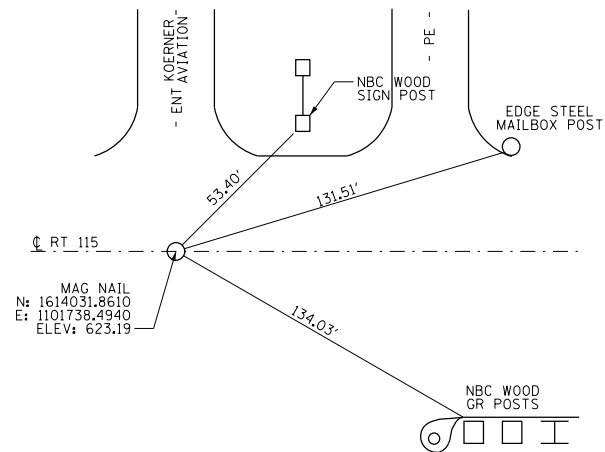
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	11
CONTRACT NO. 66B67				

ILLINOIS FED. AID PROJECT

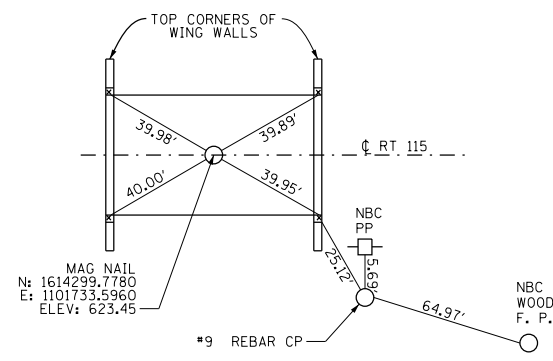
POT STA 310+00.00
CP 115531 STA. 310+60.63, 33.59' LT



POT STA 315+00.00



~ SN 046-0107 STA 317+68.00
CP 115531 STA. 310+60.63, 33.59' LT

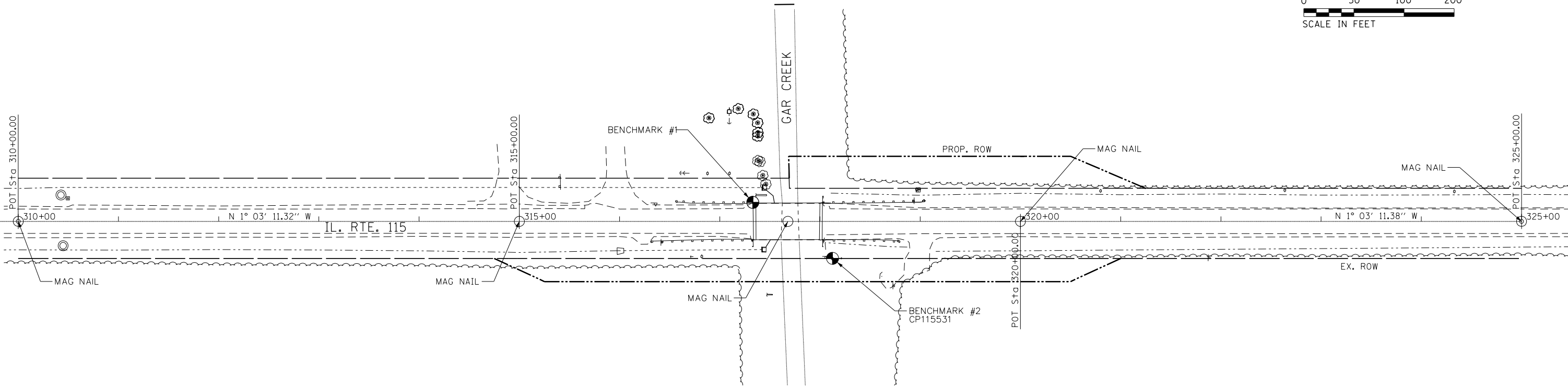
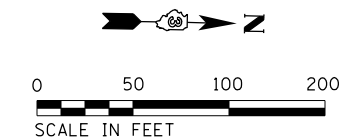


BENCHMARK "1"
ELEV: 622.98

CHISELED "□" INTO SW WING WALL SN 046-0107 STA. 317+32.95, 18.99' LT.
N: 1614264.3750
E: 1101715.2280

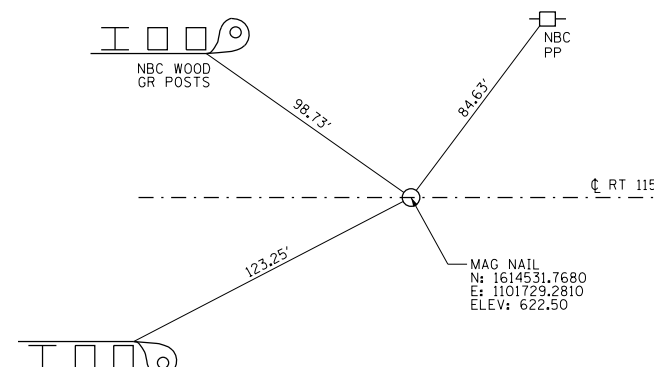
BENCHMARK "2"
ELEV: 622.77

RR SPIKE IN TELEPHONE POLE STA. 318+12.52, 36.85' RT.
N: 1614344.9590
E: 1101769.5920

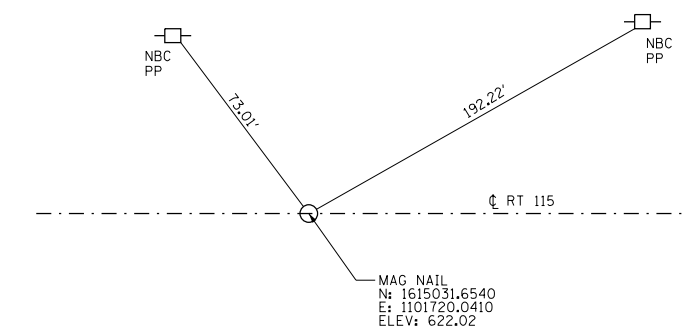


ILL ROUTE 115		KANKAKEE COUNTY			
INDEX NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
115201	WEST QTR COR SEC 12, T 30 N, R 14 W, OF THE 2ND PM	PK NAIL	CUT CROSS	YES	2
NOTE: FALLS ON BRIDGE SURFACE. CUT CROSS WILL BE SET TO MARK QUARTER SECTION CORNER					
LISTED MONUMENT LOCATION AND EXISTING TIES HAVE BEEN RECORDED BY GPS. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. THE R.E. MUST TIE AND BRING TO THE ATTENTION OF THE PLATS AND PLANS MANAGER ANY ADDITIONAL UNLISTED MONUMENTS FOUND. UPON BRIDGE COMPLETION, THE R.E. WILL DIRECT THE PLATS AND PLANS MANAGER TO SET THE REQUIRED CUT CROSS. PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORD.					
RESPONSIBILITY: 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED). PERMANENT SURVEY MARKER, TYPE 1) 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT					

POT STA 320+00.00



POT STA 325+00.00



FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TSL) IL 115 over Gar Creek PTB 145\B\04-CADD\04-Sheet Files\0666-12-ATB.dgn

Default



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
DRAWN - TCS	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

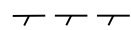
SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 315+00.00 TO STA. 321+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	12
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				


REMOVAL LEGEND

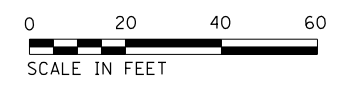
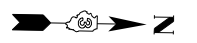
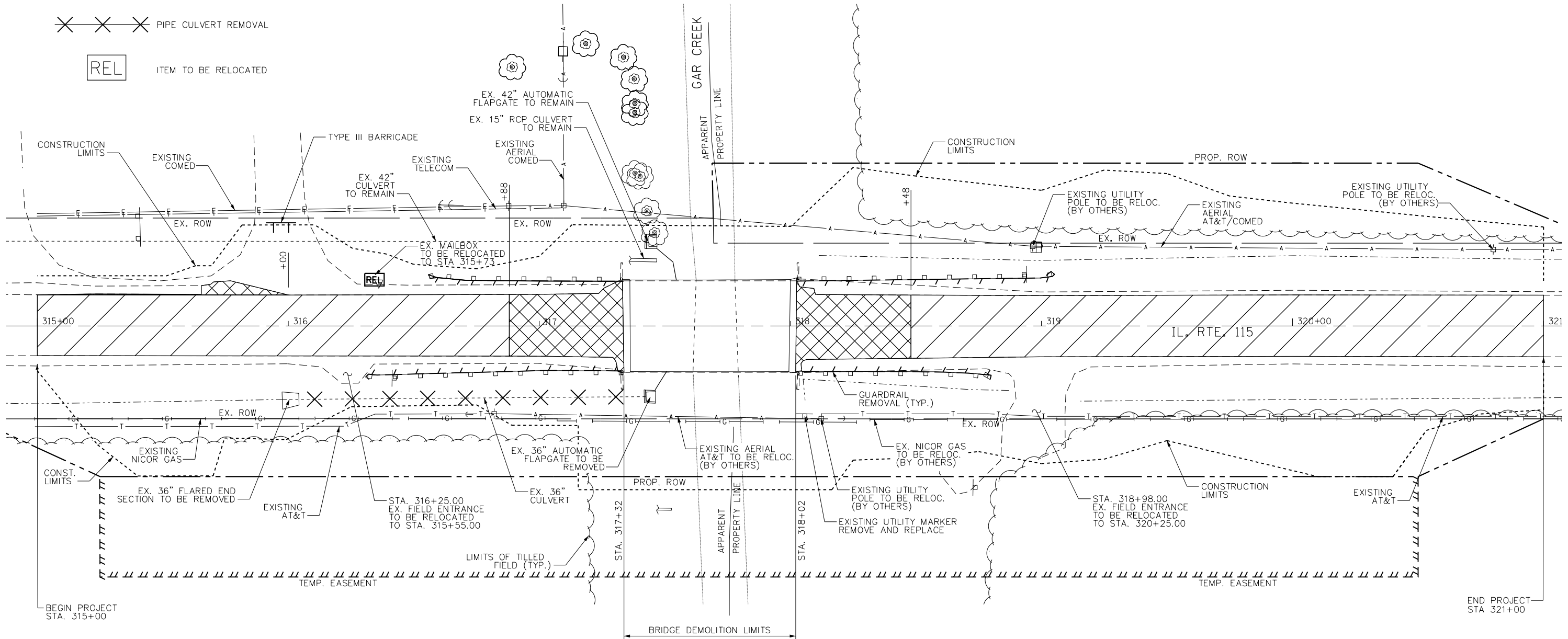
 HMA SURFACE REMOVAL, 2 1/4"

 FULL DEPTH PAVEMENT REMOVAL

 GUARDRAIL REMOVAL

 PIPE CULVERT REMOVAL

 ITEM TO BE RELOCATED



FILE NAME = P:\2015\0566 IDOT D3 Various Phase II (PTB 14518) MOI2 13 & 14\0566-03 (TSL IL 115 over Car Creek PTB 14518\04-CADD\04-Sheet Files\0566-03-13-Removal.dgn



USER NAME = Ibolzenus	DESIGNED - LAS	REVISED -
DRAWN - TCS	REVISED -	
PLLOT SCALE = 40.0000' / 1"	CHECKED - DAZ	REVISED -
PLLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

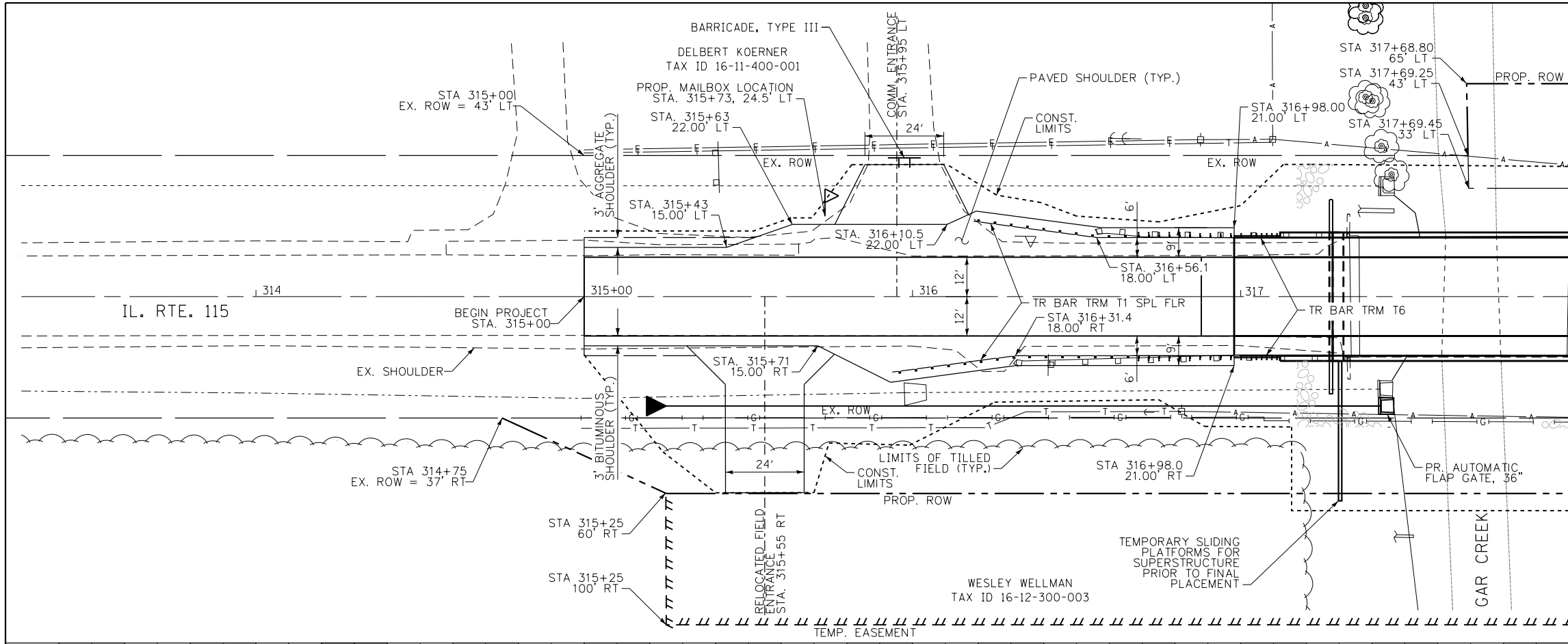
SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. 315+00.00 TO STA. 321+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	13
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	FILED	
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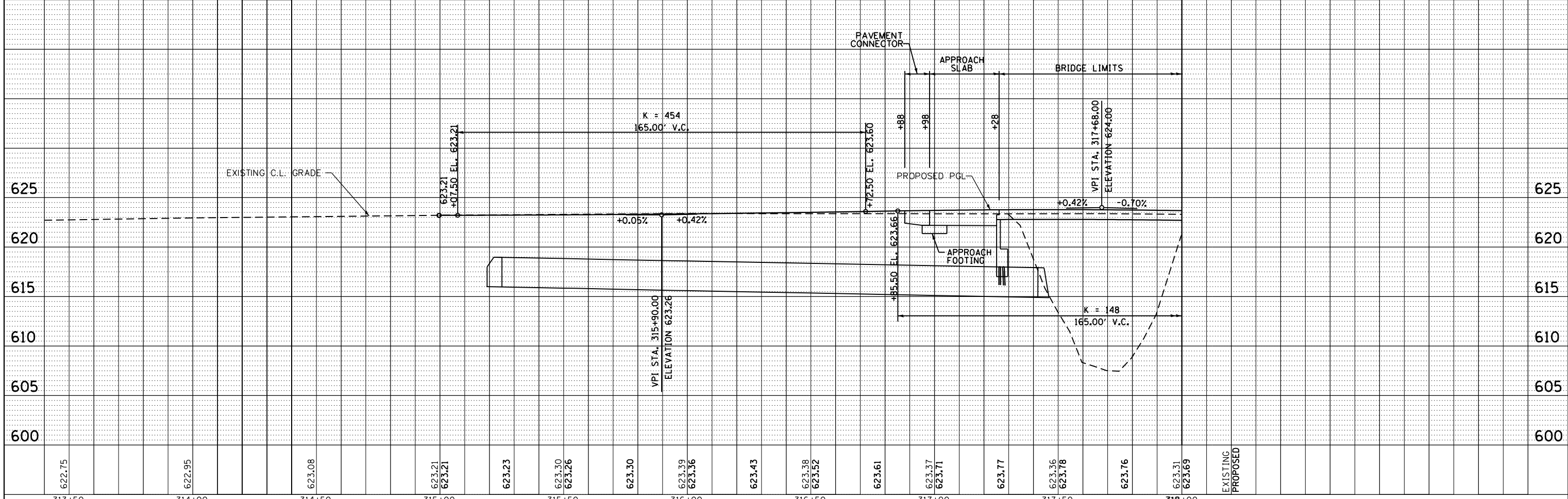
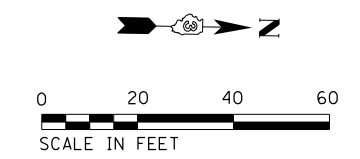
PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATING	
	CHKD	
	NO.	

FILE NAME = P:\2015\0566 DDT 03 Various Phase II (PTB 145181)M012 13 & 14\0566-03 (TSL IL 115 over Gar Creek) IL 115 over Gar Creek.dgn
 Default



MATCH LINE - STATION 318+00

- NOTES
1. SEE STRUCTURAL SHEETS FOR BRIDGE AND APPROACH SLAB DETAILS.
 2. SEE STANDARD 630301-06 FOR PAVED SHOULDER AT GUARDRAIL TERMINALS.
 3. SEE DRAINAGE AND UTILITY SHEET FOR DRAINAGE DESIGN.
 4. SEE STANDARD 701901-05 FOR TYPE III BARRICADES.



313+50	314+00	314+50	315+00	315+50	316+00	316+50	317+00	317+50	318+00	EXISTING	PROPOSED
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USER NAME = lbozenius	DESIGNED - LB	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - CT	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 315+00.00 TO STA. 318+00.00

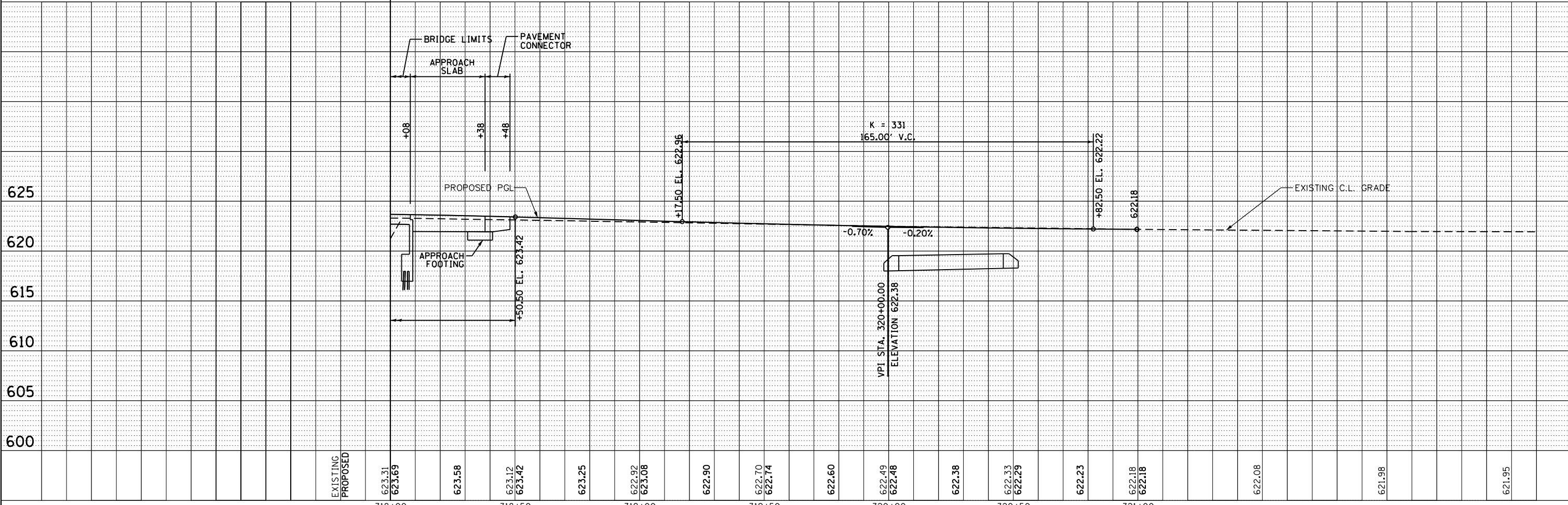
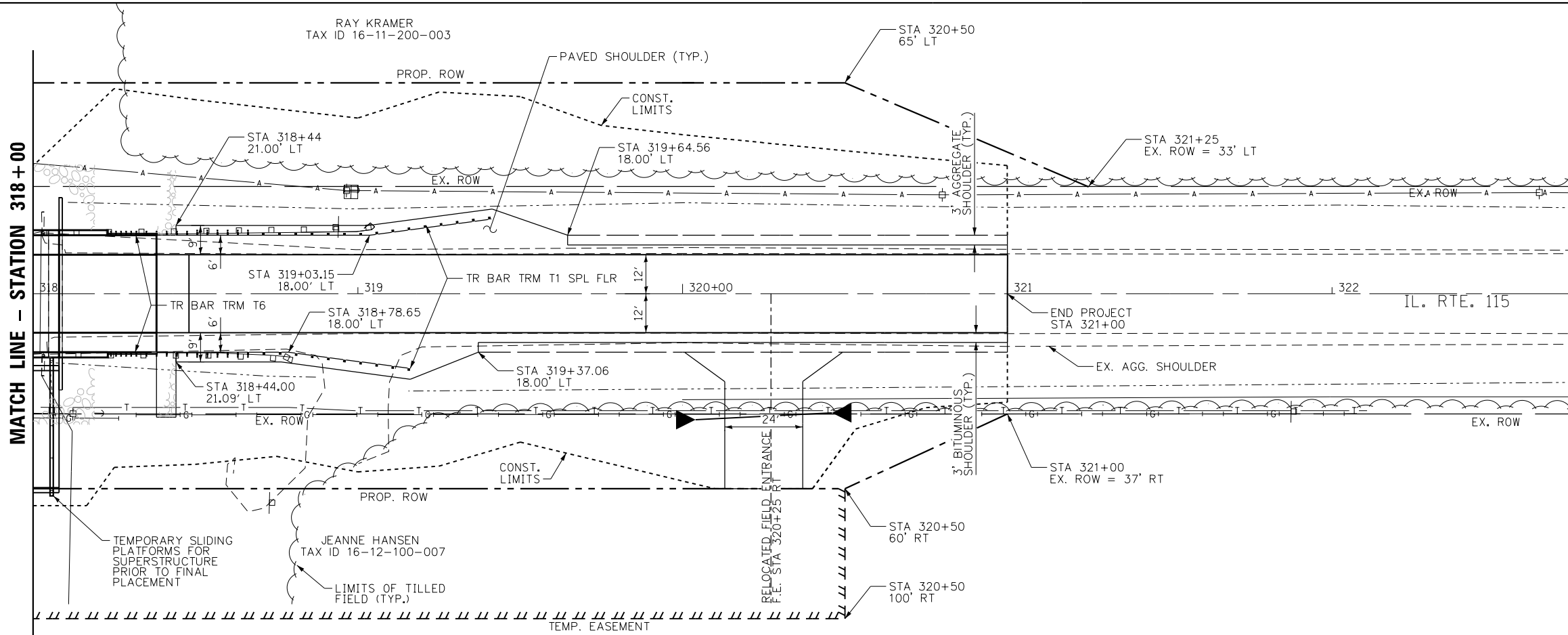
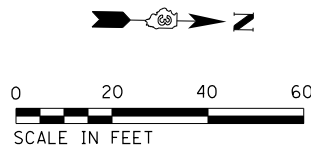
F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 14
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	

FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145181)M012 13 & 14\0666-03 (TSL IL 115 over Gar Creek PTB 145181)04-CADD\04-Sheet Files\066667-15-P&P.dgn
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- NOTES**
- SEE STRUCTURAL SHEETS FOR BRIDGE AND APPROACH SLAB DETAILS.
 - SEE STANDARD 630301-06 FOR PAVED SHOULDER AT GUARDRAIL TERMINALS.
 - SEE DRAINAGE AND UTILITY SHEET FOR DRAINAGE DESIGN.



623.31	623.69	623.58	623.12	623.42	623.25	622.92	623.08	622.90	622.70	622.74	622.60	622.49	622.48	622.38	622.33	622.29	622.23	622.18	622.18	622.08	621.98	621.95
318+00	318+50	319+00	319+50	320+00	320+50	321+00																



USER NAME = lbozenius	DESIGNED - LB	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - CT	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

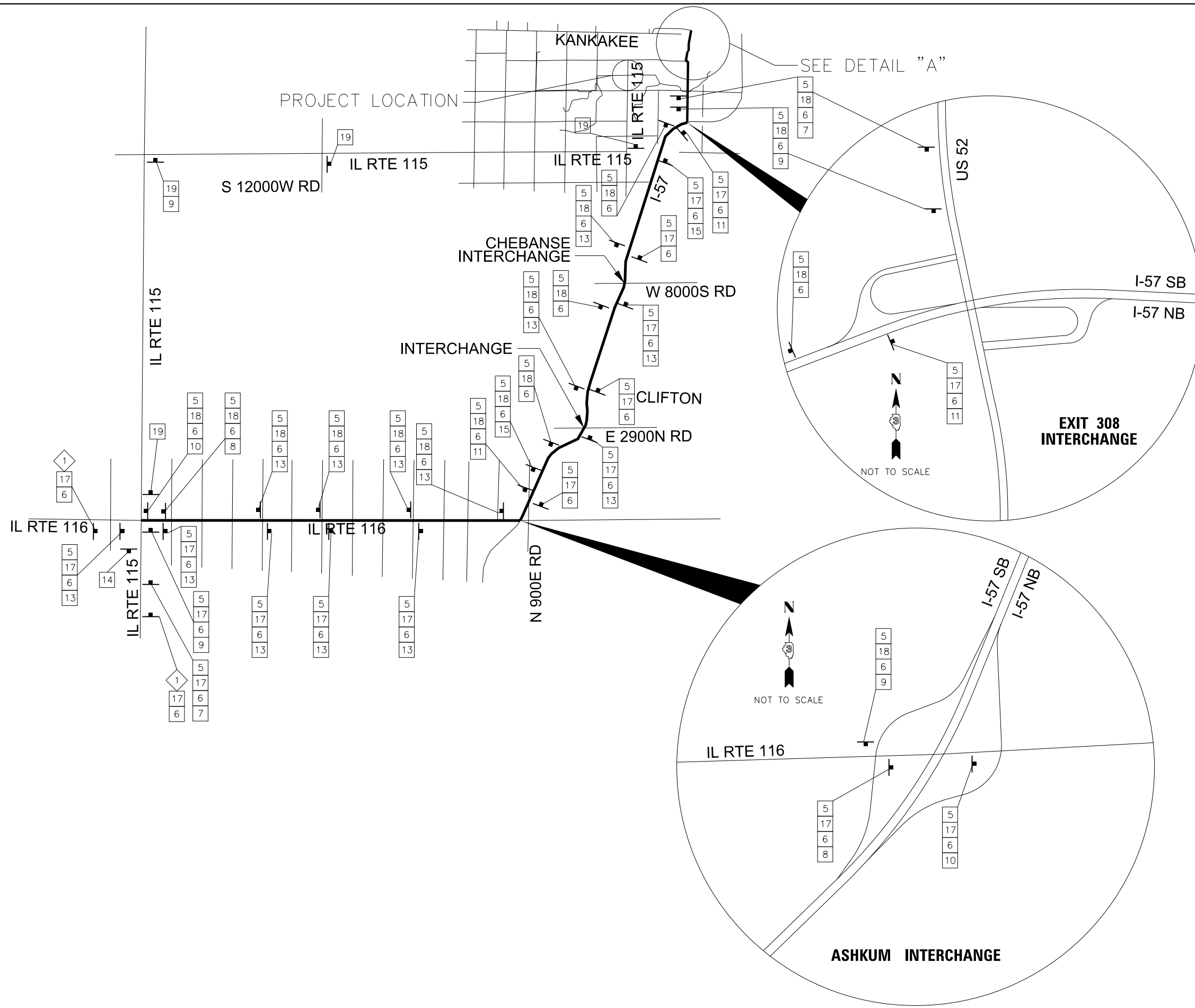
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 318+00.00 TO STA. 321+00.00

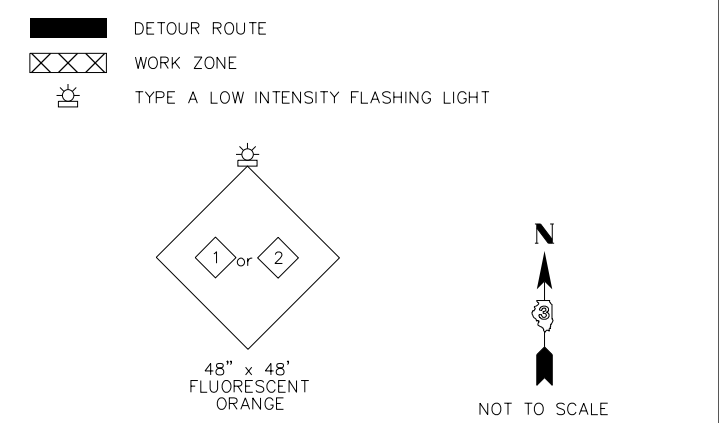
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	15
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2015\0656 DDT D3 Various Phase II (PTB 145-18) M012 13 & 14\0556-03 (TS) IL 115 over Ger Creek Creek PTB 145\B\04-CADD\04-Sheet Files\0556-03-16-Detour.dgn



- ### NOTES
1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, AND MAINTAINED BY THE CONTRACTOR.
 2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED.
 3. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
 4. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
 5. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
 6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
 7. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
 8. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
 9. COVER CONFLICTING SIGNS. EXISTING DIRECTIONAL ARROWS MUST BE COVERED. DO NOT DRILL HOLES OR PLACE TAPE ON EXISTING SIGN FACE.
 10. DETOUR SIGNS AND DIRECTIONAL ARROWS SHOULD BE BLACK ON FLUORESCENT ORANGE SHEETING.

- ### LEGEND
- 1 W20-2(0)-48 (DETOUR AHEAD)
 - 2 W20-3(0)-48 (ROAD CLOSED 500 FT)
 - 3 TYPE III BARRICADES W/R-11-2-4830 (ROAD CLOSED) SIGN AND TYPE A LOW INTENSITY FLASHING LIGHTS
 - 4 TYPE III BARRICADES W/R-11-2-4830 (ROAD CLOSED TO THRU TRAFFIC) SIGN AND TYPE A LOW INTENSITY FLASHING LIGHTS
 - 5 MA-4-8-2412 (DETOUR)
 - 6 M1-50-2424 (IL RTE 115)
 - 7 M5-1(R)-2115 (ADVANCE RIGHT TURN ARROW)
 - 8 M5-1(L)-2115 (ADVANCE LEFT TURN ARROW)
 - 9 M6-1(R)-2115 (RIGHT TURN ARROW)
 - 10 M6-1(L)-2115 (LEFT TURN ARROW)
 - 11 M6-2(R)-2115 (RIGHT DIAGONAL ARROW)
 - 12 M6-2(L)-2115 (LEFT DIAGONAL ARROW)
 - 13 M6-3-2115 (STRAIGHT ARROW)
 - 14 M4-8(o) (END DETOUR)
 - 15 M5-2 (R) (ADVANCE RIGHT DIAGONAL ARROW)
 - 16 M5-2 (L) (ADVANCE LEFT DIAGONAL ARROW)
 - 17 M3-1-2412 (NORTH)
 - 18 M3-3-2412 (SOUTH)
 - 19 R11-3A ROAD CLOSED / X MILES AHEAD / LOCAL TRAFFIC ONLY



	USER NAME = Ibolzenius	DESIGNED - LB	REVISED -
		DRAWN - KK	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - CT	REVISED -
	PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	16
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				




FILE NAME = P:\2015\0656 DDT D3 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Ger Creek PTB 145\B\04-CADD\04-Sheet Files\0656-17-Detour.dgn

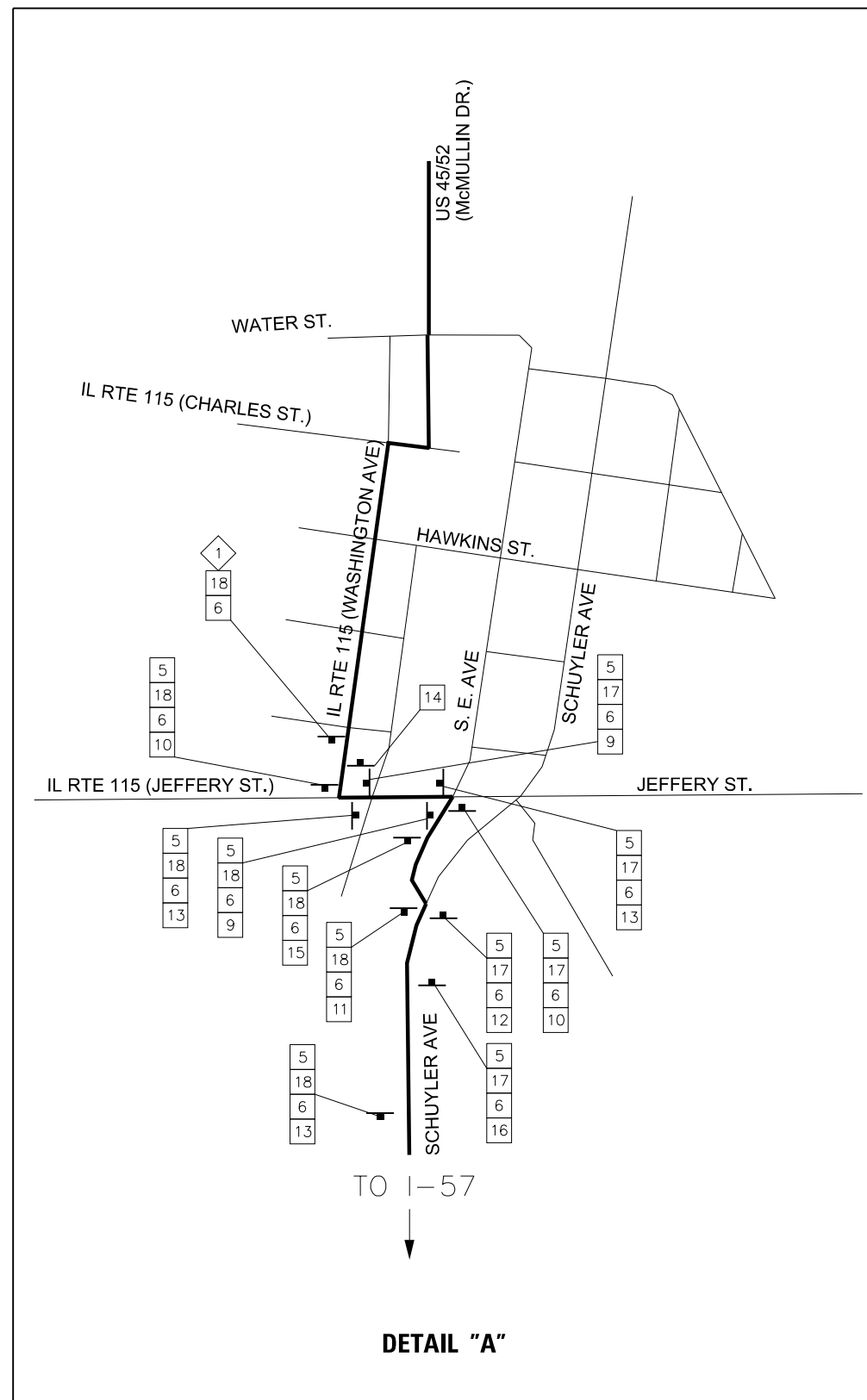
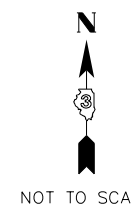
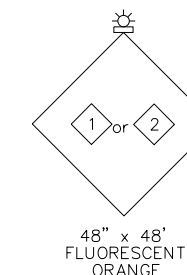
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LEGEND

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- 2 W20-3(0)-48 (ROAD CLOSED 500 FT)
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- 17 M3-1-2412 (NORTH)
- 18 M3-3-2412 (SOUTH)
- 19 R11-3A ROAD CLOSED / X MILES AHEAD / LOCAL TRAFFIC ONLY

-  DETOUR ROUTE
-  WORK ZONE
-  TYPE A LOW INTENSITY FLASHING LIGHT



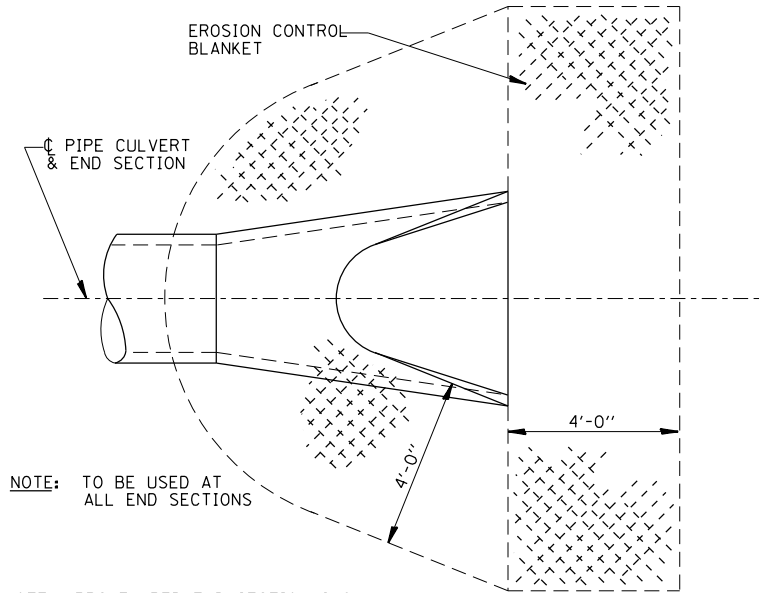
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	DRAWN - KK	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - CT	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.

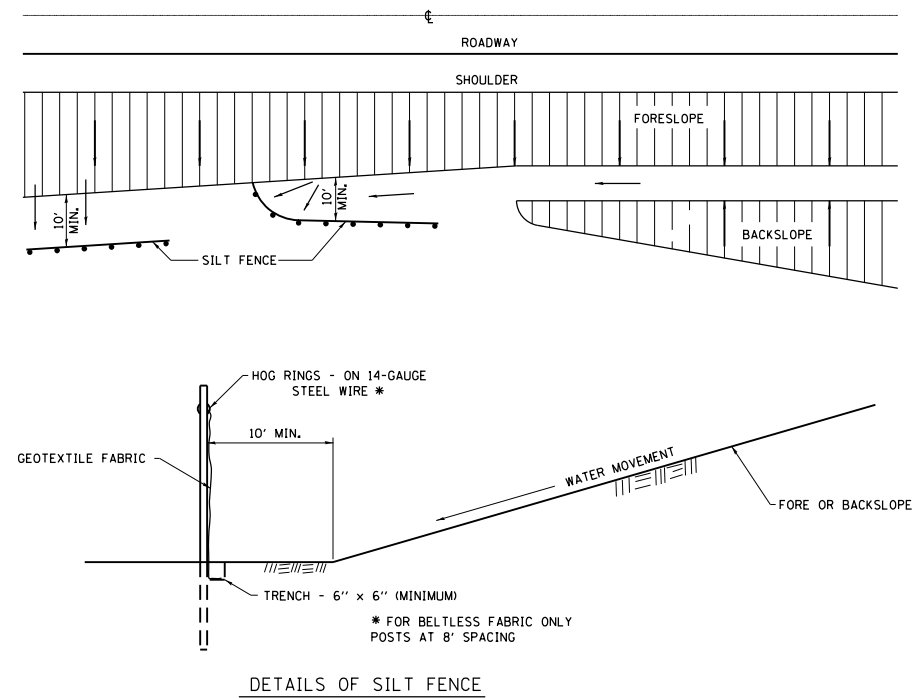
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	17
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



NOTE: TO BE USED AT ALL END SECTIONS

NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

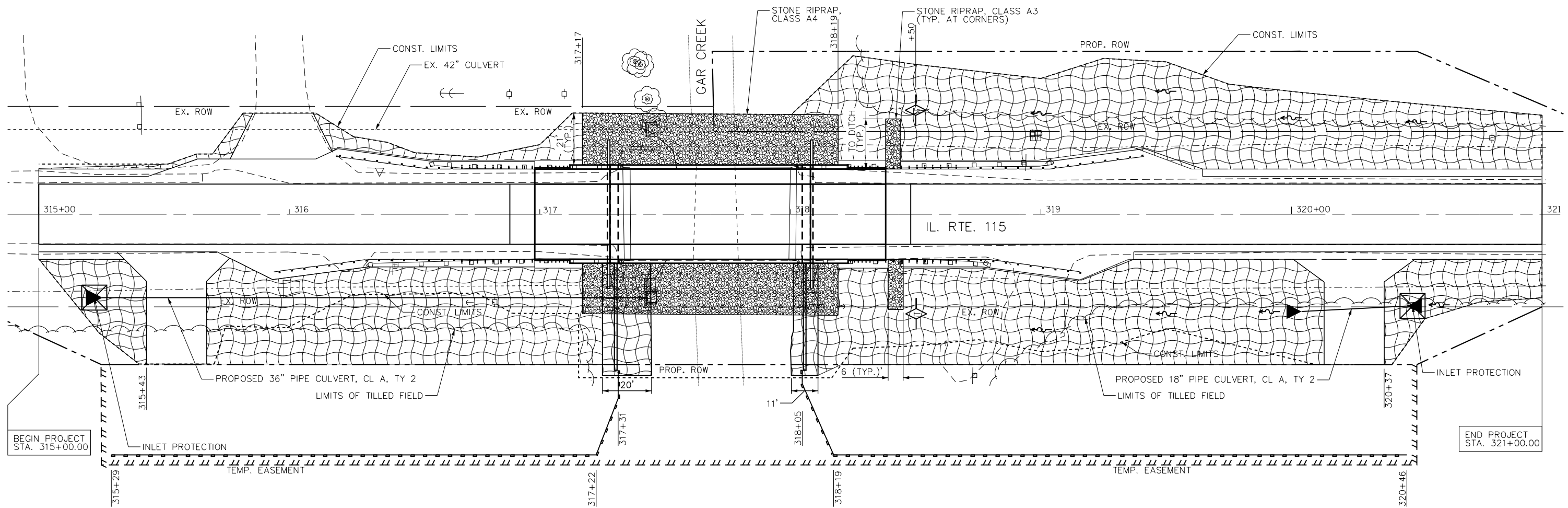
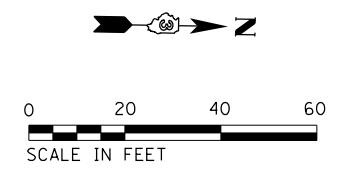
DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION



EROSION CONTROL DETAILS FOR SILT FENCE

- LEGEND**
- TEMPORARY DITCH CHECK
 - EROSION CONTROL BLANKET
 - STONE RIPRAP
 - INLET & PIPE PROTECTION
 - PERIMETER EROSION BARRIER

NOTE: CONTRACTOR TO RESTORE DISTURBED FIELD BACK TO TILLED CONDITION AT THE COMPLETION OF THE PROJECT.



FILE NAME = P:\2015\0656 - DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) - IL 115 over Gar Creek - Creek - PTB 145\B\04-CADD\04-Sheet Files\0656-03-18-Erosion.dgn
 Default



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
DRAWN - TCS	REVISED -	
CHECKED - DAZ	REVISED -	
DATE -	REVISED -	
PLOT SCALE = 48.0000' / in.		
PLOT DATE = 12/7/2016		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

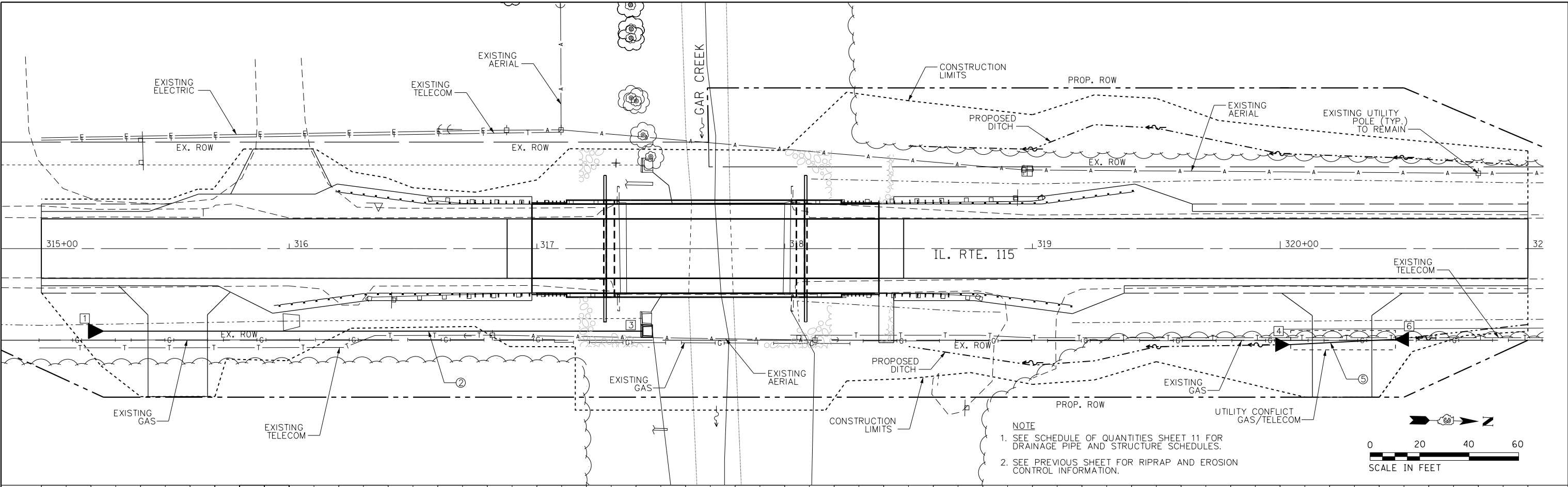
EROSION & SEDIMENT CONTROL PLAN AND DETAILS
 SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. 315+00.00 TO STA. 321+00.00

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 18
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

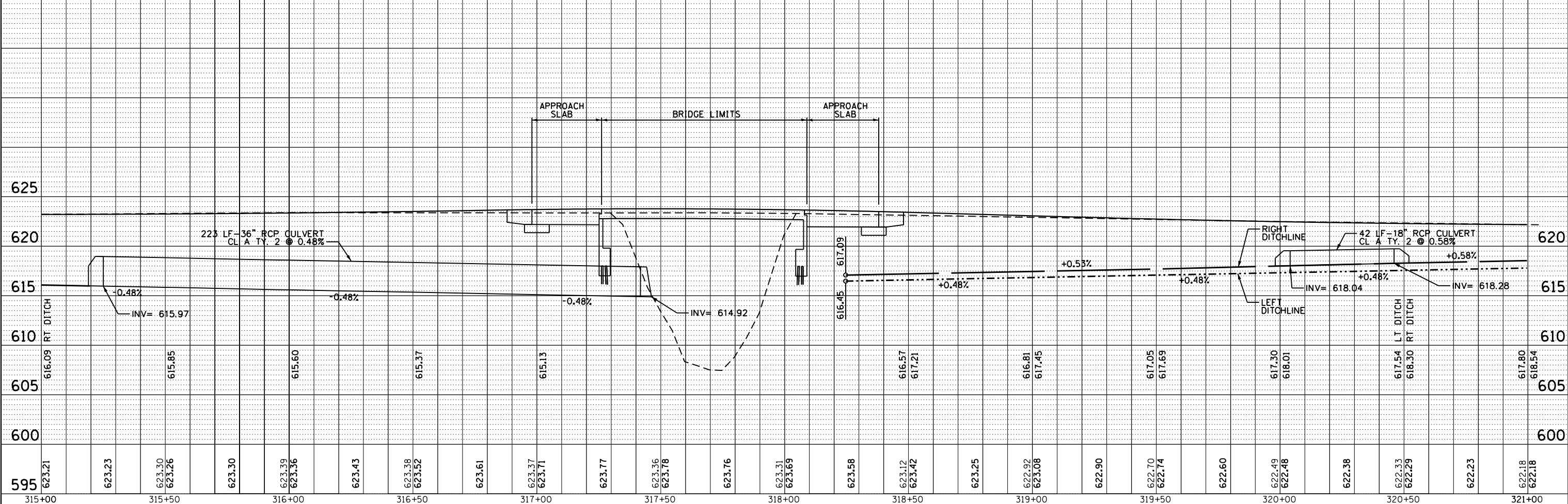
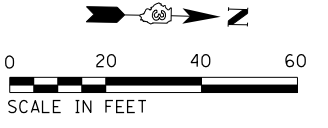
DATE	BY

DATE	BY

FILE NAME = P:\2015\0666 DDOT 03 Various Phase II (PTB 145118) M012 13 & 14\0566-03 (TSL) IL 115 over Gar Creek PTB 145118\04-CADD\04-Sheet Files\036667-19-D-Drainage.dgn
 DeFault



- NOTE**
1. SEE SCHEDULE OF QUANTITIES SHEET 11 FOR DRAINAGE PIPE AND STRUCTURE SCHEDULES.
 2. SEE PREVIOUS SHEET FOR RIPRAP AND EROSION CONTROL INFORMATION.



315+00	315+50	316+00	316+50	317+00	317+50	318+00	318+50	319+00	319+50	320+00	320+50	321+00																																															
623.21	623.23	623.30 623.26	623.30	623.39 623.36	623.43	623.38 623.52	623.61	623.37 623.71	623.77	623.36 623.78	623.76	623.31 623.69	623.58	623.12 623.42	623.25	622.92 623.08	622.90	622.70 622.74	622.60	622.49 622.48	622.38	622.33 622.29	622.23	622.18 622.18																																			
<table border="0"> <tr><td>USER NAME =</td><td>Ibolzenius</td><td>DESIGNED -</td><td>LB</td><td>REVISED -</td><td> </td></tr> <tr><td>DRAWN -</td><td>KK</td><td>REVISED -</td><td> </td><td>REVISED -</td><td> </td></tr> <tr><td>CHECKED -</td><td>CT</td><td>REVISED -</td><td> </td><td>REVISED -</td><td> </td></tr> <tr><td>DATE -</td><td> </td><td>REVISED -</td><td> </td><td>REVISED -</td><td> </td></tr> </table>													USER NAME =	Ibolzenius	DESIGNED -	LB	REVISED -		DRAWN -	KK	REVISED -		REVISED -		CHECKED -	CT	REVISED -		REVISED -		DATE -		REVISED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DRAINAGE AND UTILITY PLAN AND PROFILE				<table border="0"> <tr><td>F.A.U. RTE.</td><td>SECTION</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td>6188</td><td>(39C) 1-BR</td><td>KANKAKEE</td><td>71</td><td>19</td></tr> </table>					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	6188	(39C) 1-BR	KANKAKEE	71	19
USER NAME =	Ibolzenius	DESIGNED -	LB	REVISED -																																																							
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<table border="0"> <tr><td>SCALE: 1" = 20'</td><td>SHEET 1 OF 1 SHEETS</td><td>STA. 315+00.00 TO STA. 321+00.00</td><td colspan="2">ILLINOIS FED. AID PROJECT</td></tr> </table>													SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. 315+00.00 TO STA. 321+00.00	ILLINOIS FED. AID PROJECT																																											
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. 315+00.00 TO STA. 321+00.00	ILLINOIS FED. AID PROJECT																																																								

SE 1/4 OF SECTION 11, T. 30 N., R. 14 W., 2ND. P.M.

NE 1/4 OF SECTION 11, T. 30 N., R. 14 W., 2ND. P.M.

PARCEL 3XY0001

RAY E. KRAMER AND CHONG-NAM KRAMER, AS JOINT TENANTS

TOTAL HOLDING = 154.000 AC.±
 TOTAL R.O.W. REQUIRED = 0.434 AC.±
 AREA IN EXISTING R.O.W. = 0.200 AC.±
 NET R.O.W. REQUIRED = 0.234 AC.±
 REMAINDER = 153.566 AC.±

PARCEL 3XY0003

WESLEY V. WELLMAN

TOTAL HOLDING = 217.000 AC.±
 TOTAL R.O.W. REQUIRED = 0.448 AC.±
 AREA IN EXISTING R.O.W. = 0.304 AC.±
 NET R.O.W. REQUIRED = 0.144 AC.±
 REMAINDER = 216.552 AC.±
 TEMPORARY EASEMENT = 0.228 AC.±
 PURPOSE: TO ACCOMMODATE ACCELERATED BRIDGE CONSTRUCTION

PARCEL 3XY0002

RONALD C. HANSEN

TOTAL HOLDING = 151.000 AC.±
 TOTAL R.O.W. REQUIRED = 0.160 AC.±
 REMAINDER = 150.840 AC.±
 TEMPORARY EASEMENT = 0.255 AC.±
 PURPOSE: TO ACCOMMODATE ACCELERATED BRIDGE CONSTRUCTION

SW 1/4 OF SECTION 12, T. 30 N., R. 14 W., 2ND. P.M.

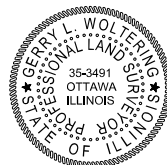
NW 1/4 OF SECTION 12, T. 30 N., R. 14 W., 2ND. P.M.

SURVEYOR'S CERTIFICATE

I, GERRY L. WOLTERING, CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY DONE BY ME FOR THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN, AND THAT ALL MONUMENTS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED, _____

GERRY L. WOLTERING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3491
 LICENSE RENEWAL DATE 11-30-2016



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.

GRID TO GROUND COMBINED FACTOR = 1.0000339

TOTAL HOLDINGS TAKEN FROM TAX ASSESSOR OFFICE

SCALE IN FEET



FILE NAME	USER NAME = wolveringjl	DESIGNED -	REVISED - 4-18-16 REVISED ZONE NOTE
p:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366\BR\Drawings\Acq\plan sheet and prop\REVISED - 7-2-16 PARCEL 2 NAME CHANGE		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT	JOB NO. R-93-004-15
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS
STA. 314+75.00	TO STA. 321+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C)1-BR	KANKAKEE	71	20
CONTRACT NO. 66B67				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Benchmark: Chiseled "□" In Southwest Wingwall Sta. 317+32.95, 18.99' Lt. Elevation 622.98

Existing Structure: SN 046-0071 was originally constructed at Sta. 317+68.00 in 1923 as S.B.I. Rte 25 Section 39C. It was reconstructed as SN 046-0107 in 1979 as F.A.S. 1323 Section 39C-BR. It is a single span 27' P.P.C. deck beam structure supported on pile supported stub abutments. The length of the structure is 72'-0" back to back of abutments and its width is 36'-0" out to out of deck. The skew is 0°.

Existing structure to be removed and replaced. Traffic will be detoured. Slide in bridge construction shall be utilized to limit time of road closure.

No Salvage

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration @ 1.0 sec (SD1) = .073
 Design Spectral Acceleration @ 0.2 sec (SDS) = .126
 Soil Site Class = C

LOADING HL-93

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

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications with 2015 Interims

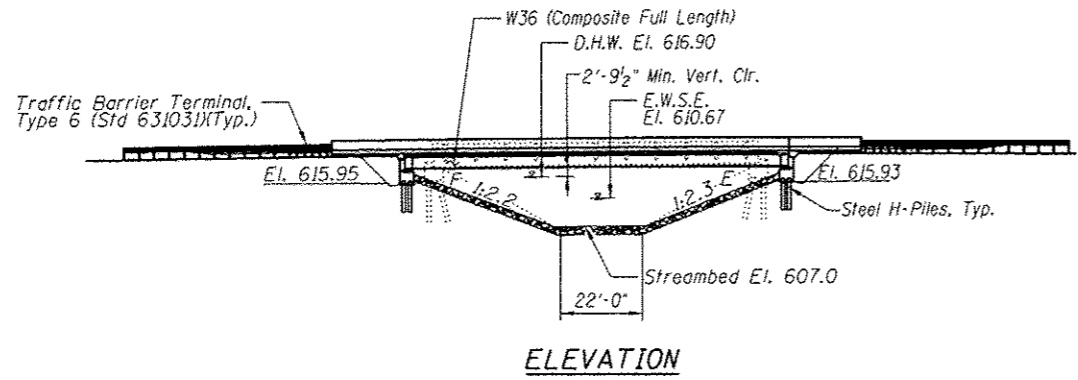
DESIGN STRESSES

FIELD UNITS

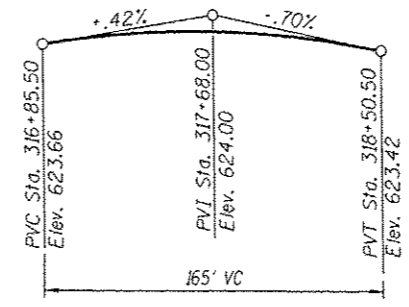
$f'_c = 5,000$ psi (High Strength Quick Setting Grout)
 $f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50W)

PRECAST UNITS

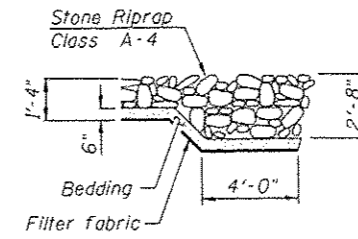
$f'_c = 5,000$ psi (Substructure)
 $f'_c = 6,000$ psi (Superstructure)
 $f_y = 60,000$ psi (reinforcement)



ELEVATION



PROFILE GRADE
(along IL Route 115)



SECTION A-A

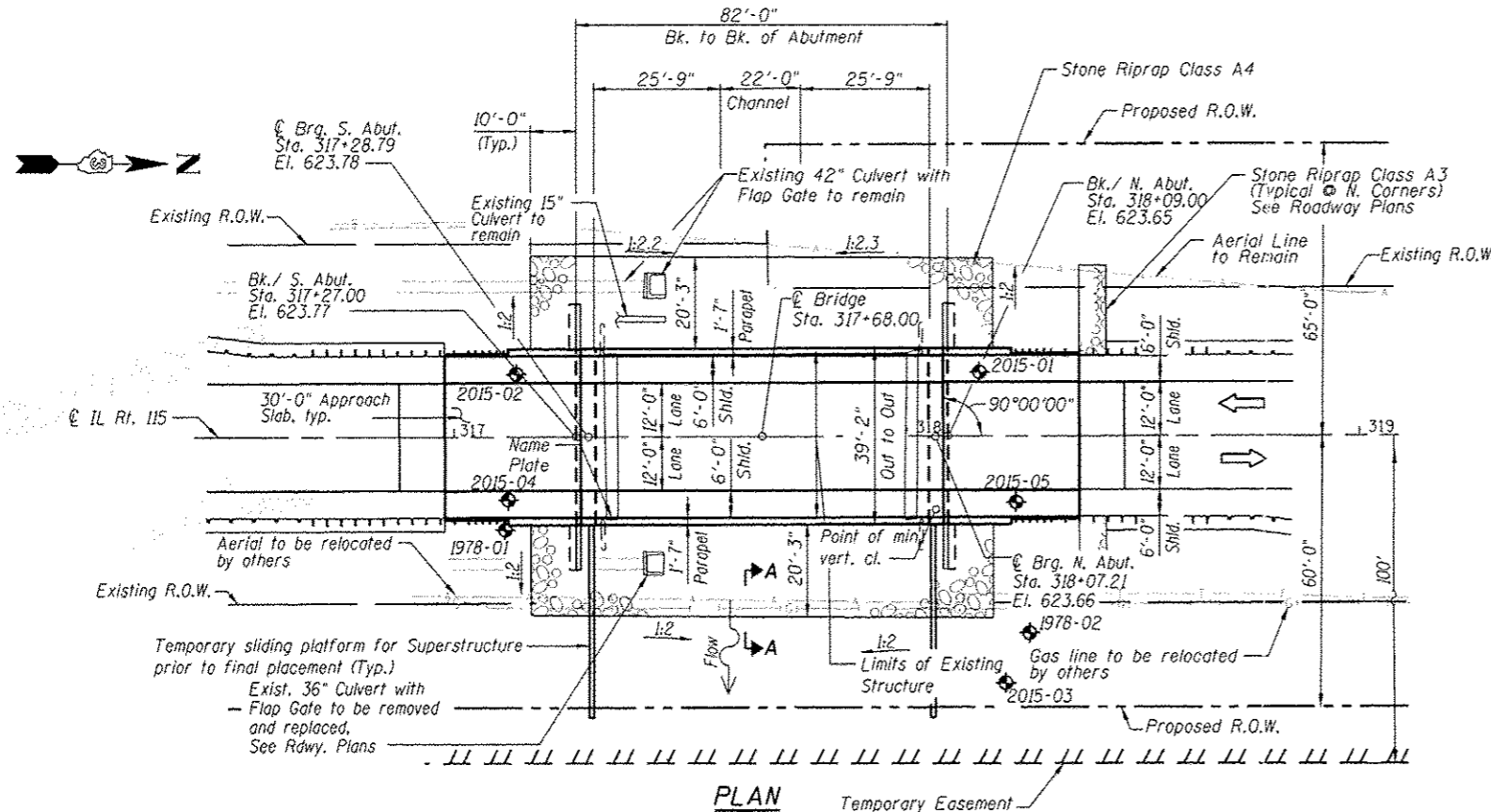
DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)	Item 113
	South Abut. North Abut.	
0100	615.95 615.93	8
0200	615.95 615.93	
Design	615.95 615.93	
Check	615.95 615.93	

WATERWAY INFORMATION

Drainage Area =	19.6 sq. mi	Exist. Low Grade Elev. = 622.90 @ Sta. 318+00 Prop. Low Grade Elev. = 623.15 @ Sta. 318+00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater E.I. Exist.	Headwater E.I. Prop.
Hydraulic Design	10	986	253	344	615.2	0.0	0.0	615.2	615.2
Base/Scour Design	50	1440	338	452	616.9	0.0	0.0	616.9	616.9
Scour Check	100	1610	369	491	617.4	0.0	0.0	617.4	617.4
Max. Calc.	200	1793	402	531	617.9	0.0	0.0	617.9	617.9
Overtopping	500	2030	444	582	618.6	0.0	0.0	618.6	618.6
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

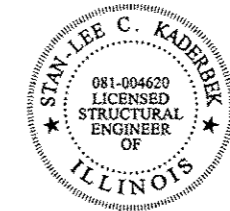
10-Year Velocity through Existing Bridge = 3.9 fps
 10-Year Velocity through Proposed Bridge = 2.8 fps



PLAN

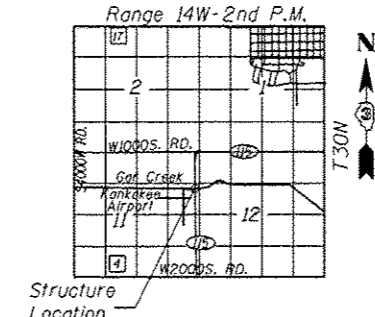
APPROVED
For Structural Adequacy Only

Stan-Lee C. Kaderbek
Engineer of Bridges & Structures



Stan-Lee C. Kaderbek
Signature Date

November 30, 2018
Expires



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL ROUTE 115 OVER GAR CREEK
FAU 6188 (IL 115) SECTION (39C)1-BR
KANKAKEE COUNTY
STA. 317+68.00
STRUCTURE NO. 046-0152



USER NAME = tsledge	DESIGNED - LAS	REVISED -
	DRAWN - TCS	REVISED -
PLOT SCALE = 48,0000 1/4"	CHECKED - DAZ	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 046-0152

SCALE: SHEET NO. 1 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	21
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FILE NAME: P:\2016\6566 1007 03 Various Phase I (PTB 145-18) W012 13 & 14\3566-04 (Phase II IL 115 over Gar Creek)1-Bridge\0400-Sheet Files.dgn\1-Bridge\0400-Sheet Files.dgn

INDEX OF SHEETS

1. General Plan & Elevation
2. General Data
3. Temporary Sliding Platform
General Plan & Elevation
4. Temporary Sliding Platform
General Notes & Procedure
5. Temporary Platform Enlarged
Plan & Section
6. North Abutment Final
Position Sections
7. South Abutment Final
Position Sections
8. Rolling Procedure & Details
9. Top of Slab Elevations Plan
10. Top of Slab Elevations
11. South Approach Slab Elevations
12. North Approach Slab Elevations
13. Superstructure Plan
14. Superstructure Details
15. Semi-Integral Abutment
Diaphragm Details
16. Full Depth Precast Bridge Approach Slab
17. Full Depth Precast Bridge Approach Slab
18. Full Depth Precast Bridge Approach Slab
19. Full Depth Precast Bridge Approach Slab
20. Framing Plan
21. Structural Steel Details
22. North Abutment Bearing Details
23. South Abutment Bearing Details
24. North & South Abutment Details 1
25. North & South Abutment Details 2
26. HP Pile Details
27. Boring Logs 1
28. Boring Logs 2
29. Boring Logs 3
30. Boring Logs 4

GENERAL NOTES

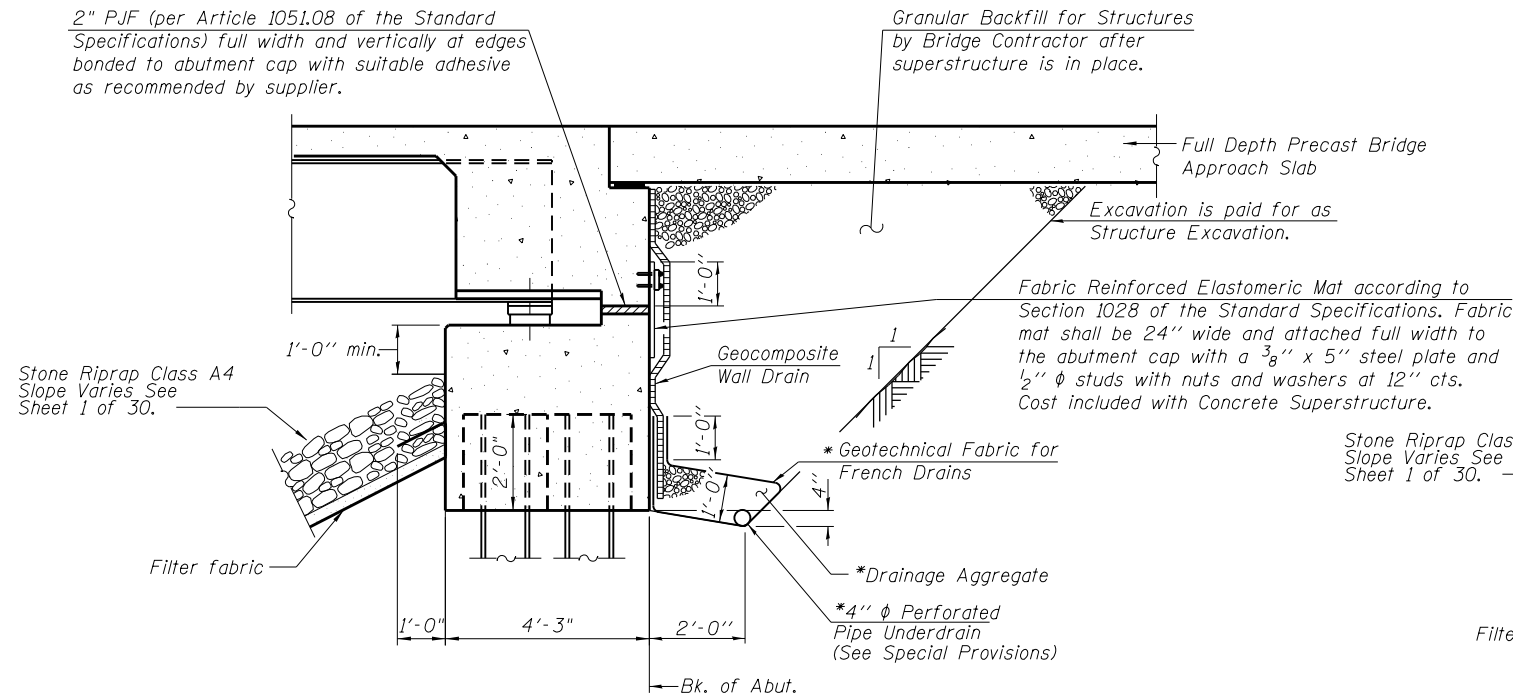
1. Fasteners shall be ASTM A325 Type 3. Bolts $\frac{3}{4}$ in. dia., holes $\frac{15}{16}$ in. dia., unless otherwise noted.
2. Calculated weight of structural steel = 80,790 pounds.
3. All structural steel shall be AASHTO M 270 Grade 50W.
4. No field welding is permitted except as specified in contract documents.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 1'-6". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
8. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction at the abutments.
9. Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.		140	140
Stone Riprap, Class A4	Sq. Yd.		837	837
Filter Fabric	Sq. Yd.		837	837
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		344	344
Concrete Superstructure	Cu. Yd.	143.4		143.4
Bridge Deck Grooving	Sq. Yd.	302		302
Protective Coat	Sq. Yd.	387		387
Precast Concrete Caps	Each		2	2
Furnishing and Erecting Structural Steel	L. Sum			1
Stud Connectors	Each	1,800		1,800
Reinforcement Bars, Epoxy Coated	Pound	27,810		27,810
Furnishing Steel Piles HP 10x57	Foot		480	480
Driving Piles	Foot		480	480
Pile Shoes	Each		30	30
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	6		6
Anchor Bolts, $\frac{5}{8}$ "	Each	12		12
Anchor Bolts, $\frac{1}{2}$ "	Each	2		2
Geocomposite Wall Drain	Sq. Yd.		81	81
Asbestos Bearing Pad Removal	Each	11		11
Pipe Underdrains for Structures, 4"	Foot		138	138
Lateral Slide-In Bridge Superstructure	L. Sum	1		1
Precast Wingwall	Each		4	4
Full Depth Precast Bridge Approach Slab	Sq. Ft.		2310	2310
Precast Bridge Approach Footing	Sq. Ft.		757	757

STATION 317+68.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.U. RTE. 6188 SEC. (39C)1-BR
LOADING HL-93
STRUCTURE NO. 046-0152

NAME PLATE
See Std. 515001

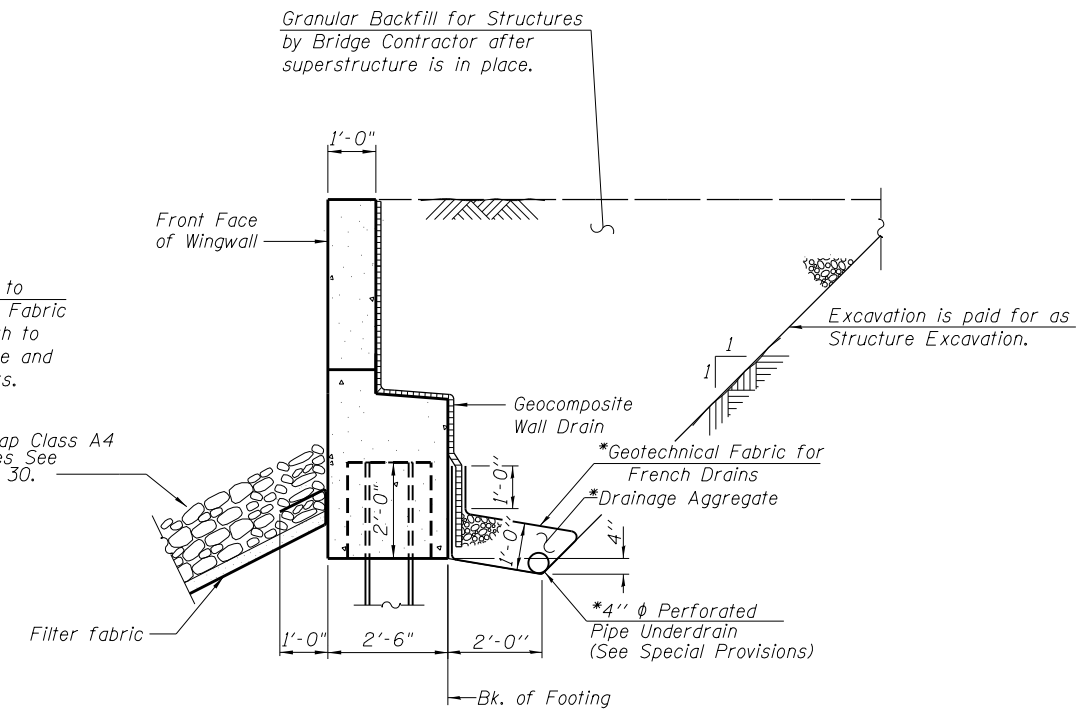


SECTION THRU ABUTMENT

*Included in the cost of Pipe Underdrains for Structures, 4".

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except one end of the outlet pipe shall extend until intersecting with the side slope. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION THRU WINGWALL

FILE NAME = P:\2015\0656 -DDT 03 Various Phase II (FTB 145-18) M012 13 & 14\0556-03 (TS) IL 115 over Ger Creek PTB 145(B)Bridge Plans\036667-502-CenData.dgn

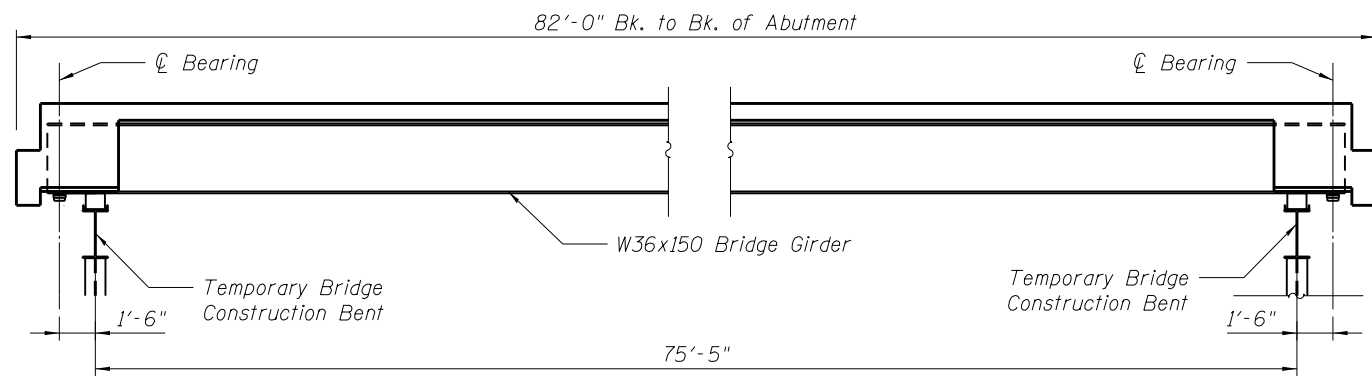


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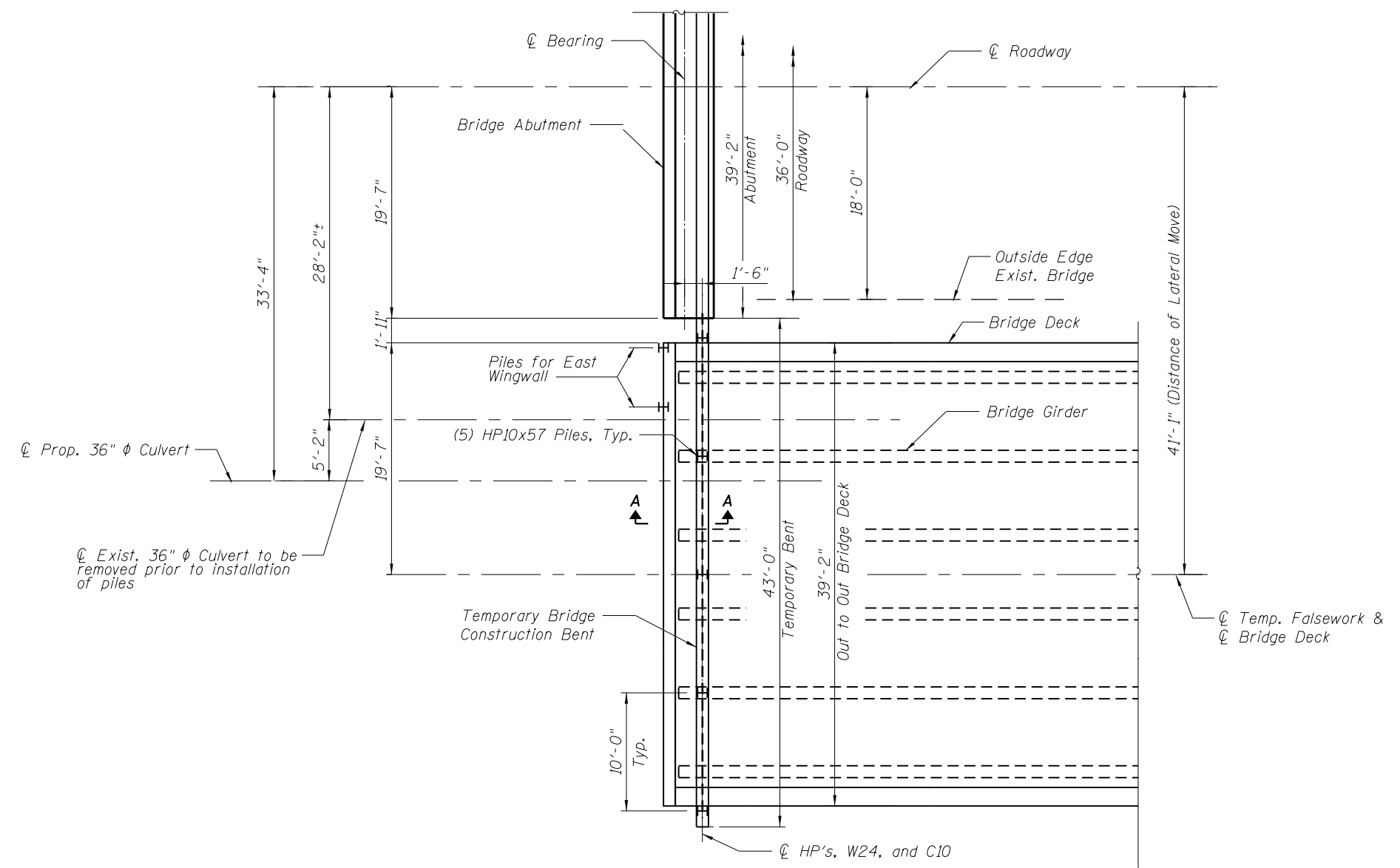
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL DATA	
STRUCTURE NO. 046-0152	
SCALE: N/A	SHEET NO. 2 OF 30 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	22
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



BRIDGE ELEVATION AT CONSTRUCTION POSITION



TEMPORARY SLIDING PLATFORM PLAN

- Notes:
1. Section A-A see sheet 8 of 30.
 2. Proposed 36"φ culvert to be placed after removal of temporary construction bent. Adjacent temporary bent piles to be removed as required to facilitate placement of proposed 36"φ culvert.

FILE NAME = P:\2015\0656-DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0556-04 (Phase II IL 115 over Ge Creek)\Bridge\CAD\Sheet Files.dgn\0366867-503-Stiding Platform Gen P & E.dgn
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PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SLIDING PLATFORM GENERAL PLAN & ELEVATION
STRUCTURE NO. 046-0152**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	23
CONTRACT NO. 66B67				

SCALE: N/A SHEET NO. 3 OF 30 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0556-03 (TS) IL 115 over Ger Creek PTB 14518\Bridg Plans\Dgn\036667-504-Sliding Plat Gen Notes & Procedure.dgn
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SLIDE - IN GENERAL NOTES

1. The Contractor shall construct the bridge superstructure off of the existing alignment and laterally slide it into its final position utilizing lateral bridge slide-in methods to minimize the road closure period. Alternate methods not utilizing the lateral slide-in method will not be considered or allowed.
2. The slide-in design depicted on these sheets represents a design that may be used for the slide-in of the bridge. The Contractor shall retain the services of a IDOT prequalified State of Illinois Licensed Structural Engineer to validate the design or to refine the design to suit the Contractor's particular means and methods. The Contractor's Structural Engineer shall be responsible for the means and methods used to successfully slide-in bridge.
3. The Contractor shall employ the services of a State of Illinois Professional Land Surveyor to set targets and align and level the roller tracks and support beams and/or other critical elements.
4. The Contractor's Structural Engineer shall field verify that the temporary construction work concurs with the corresponding sealed plans.
5. Temporary materials may be previously used but shall be free from defects and of known material properties to ensure that they comply with the same requirements as the materials used for the permanent bridge design.
6. The bridge slide-in and jacking or other approved methods shall be conducted in such a way as to minimize the risk of inducing unaccounted for stresses into the bridge components. This shall be verified by the Contractor's Structural Engineer to the satisfaction of the Engineer.
7. Embedments and pockets required for the slide-in and jacking procedure or other approved methods shall be coordinated with the construction of the bridge and the cost shall be included in Concrete Superstructure.
8. See Lateral Slide-In Bridge Superstructure Special Provision for complete slide-in scope of work.

PRELIMINARY WORK PRIOR TO SLIDE-IN

1. Install support piles, slide-in support beams, and channels as per plans. Install east wingwall piles using templates to ensure accurate placement.
2. The superstructure shall be constructed adjacent to the existing bridge with the existing bridge remaining open to traffic. Construct superstructure on temporary cribbing to allow placement of sliders and jacks.
3. Ensure that channel roller track is clean of all debris that would prevent easy movement of the bridge.

BRIDGE SLIDE - IN PROCEDURE

1. The shut down of the existing bridge shall not proceed until the Contractor's Structural Engineer has verified to the satisfaction of the Engineer (IDOT personnel) that the procedures to accomplish the work are in compliance with the plans and specifications and that the necessary equipment and staff are available to accomplish the work as expeditiously as possible once the work begins.
2. The Contractor shall arrange the work in such a way to complete all work under the closure within 72 hours once the roadway closure is in place.
3. Using a centrally ported locking collar jacking system, jack vertically bridge superstructure with six (6) 100-ton low profile Jacks located under bridge beams at each support beam. Install rollers under concrete diaphragms at locations shown on the plans. Shim as required to provide required clearance. Remove jacks.
4. Upon approval of the Engineer, close the bridge to all traffic.

Demolish the existing bridge and approach pavements.

At the Contractor's option, remove the existing abutments to an elevation sufficient to clear the new bridge or fully remove the existing abutment. If the Contractor elects to leave a portion of the abutment in place, the Contractor shall remove the remaining abutment after slide-in.

Excavate existing grade to allow for the installation of the precast abutments, precast wingwalls and precast approach footings.

Drive abutment piles and west wingwall piles using templates to ensure accurate placement. Install precast abutment on H-piles. Using precored holes in the abutment cap, grout voids around piles with high strength quick setting grout. Remove lifting loops and fill recess with high strength quick setting grout to top of precast cap. Do not begin horizontal slide-in movement until grout has reached 3500 psi minimum compressive strength to be verified by testing.
5. Install roller guide channel on precast abutments.
6. Install jack support frame, two one (1) inch diameter threaded rods and hollow ram jacks as shown on the plans.
7. Fully engage double channel ram beam and threaded nuts and washers against jack ram.
8. Stroke hollow ram jack to gradually move the bridge horizontally. Monitor movement to ensure that the bridge moves in line.
9. At full stroke, retract ram, move double channel ram beam and threaded nuts and washers to engage jack ram in retracted position.
10. Repeat Steps 7 through 9 until bridge is in final position.
11. Using a centrally ported locking collar jacking system, install six (6) 100-ton low profile jacks under bridge beams. Raise bridge to allow removal of rollers.
12. Install hardwood timber blocking at roller locations. Blocking shall be designed to allow for removal as bridge is lowered.
13. Jack bridge vertically to full stroke. Remove upper level of blocking. Lower jacks and reset.
14. Repeat Steps 12 and 13 until bridge is fully engaged in final position on permanent bearings.
15. Remove roller guide channel.
16. Install precast wingwalls on H-piles. Using precored holes in the wingwalls, grout voids around piles with high strength quick setting grout. Remove lifting loops and fill recess with high strength quick setting grout to top of precast wingwall. Backfill structure as per plans after grout has reached 3500 psi minimum compressive strength to be verified by testing.
17. Install precast approach footings, precast approach slabs, and approach connector pavement.
18. Provide mainline pavement and striping. Install guardrail.
19. Reopen bridge to traffic.
20. Remove temporary support beams, jacking frame, channels, and remove H-piles within the right of way to a level two feet below grade unless noted otherwise. Remove H-piles outside the right of way entirely.



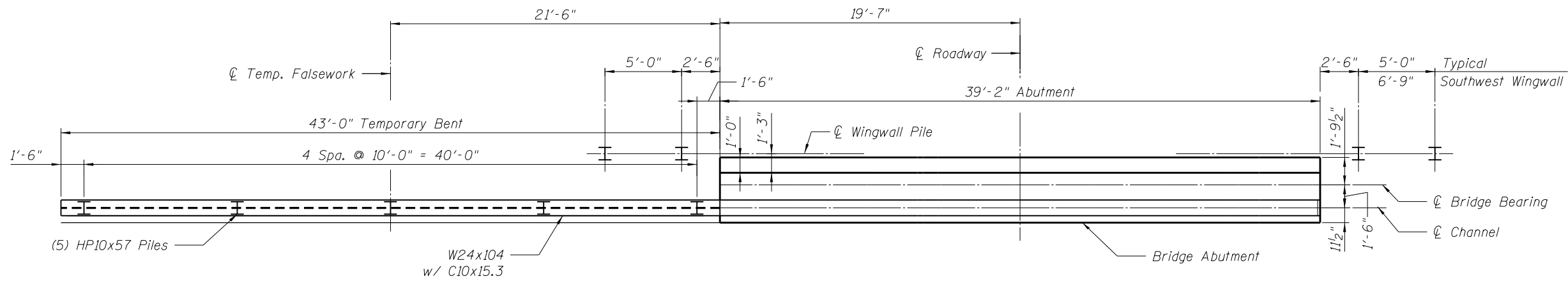
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**STATE OF ILLINOIS
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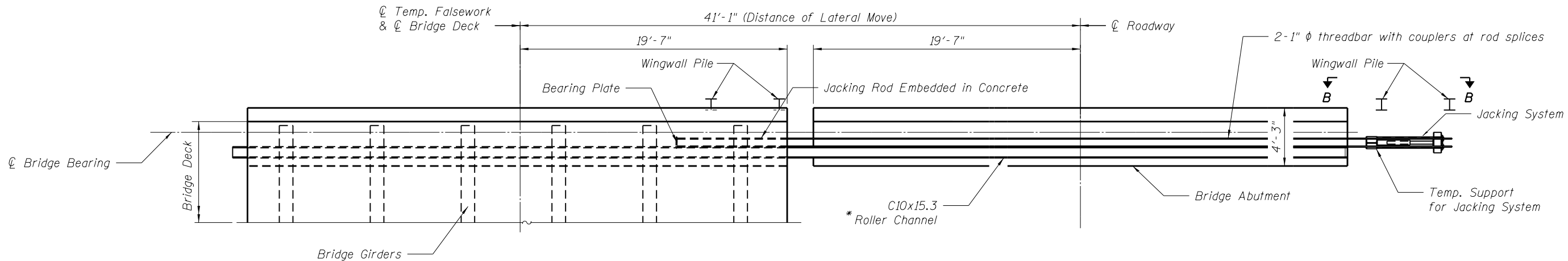
**TEMPORARY SLIDING PLATFORM GENERAL NOTES & PROCEDURE
 STRUCTURE NO. 046-0152**

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6188	(39C) 1-BR	KANKAKEE	71	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66B67	

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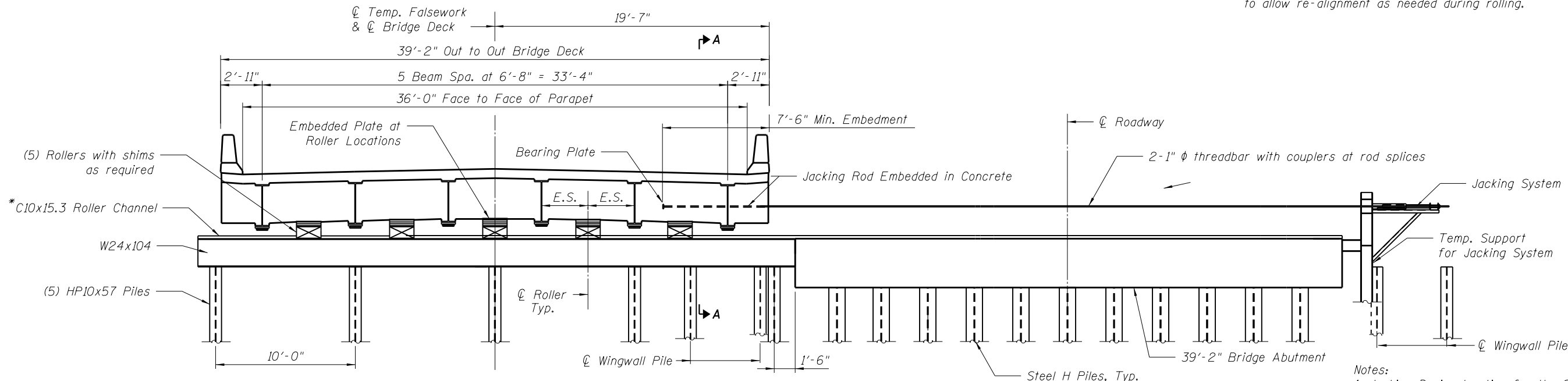


TEMPORARY BENT FRAMING PLAN



BRIDGE PLAN VIEW AT CONSTRUCTION POSITION

* C10x15.3 Roller Channel will not be attached to bridge abutment to allow re-alignment as needed during rolling.



BRIDGE SECTION AT CONSTRUCTION POSITION

Notes:
 1. Jacking Device location for the Superstructure Move will be at each concrete diaphragm.
 2. Section A-A & B-B see sheet 8 of 30.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

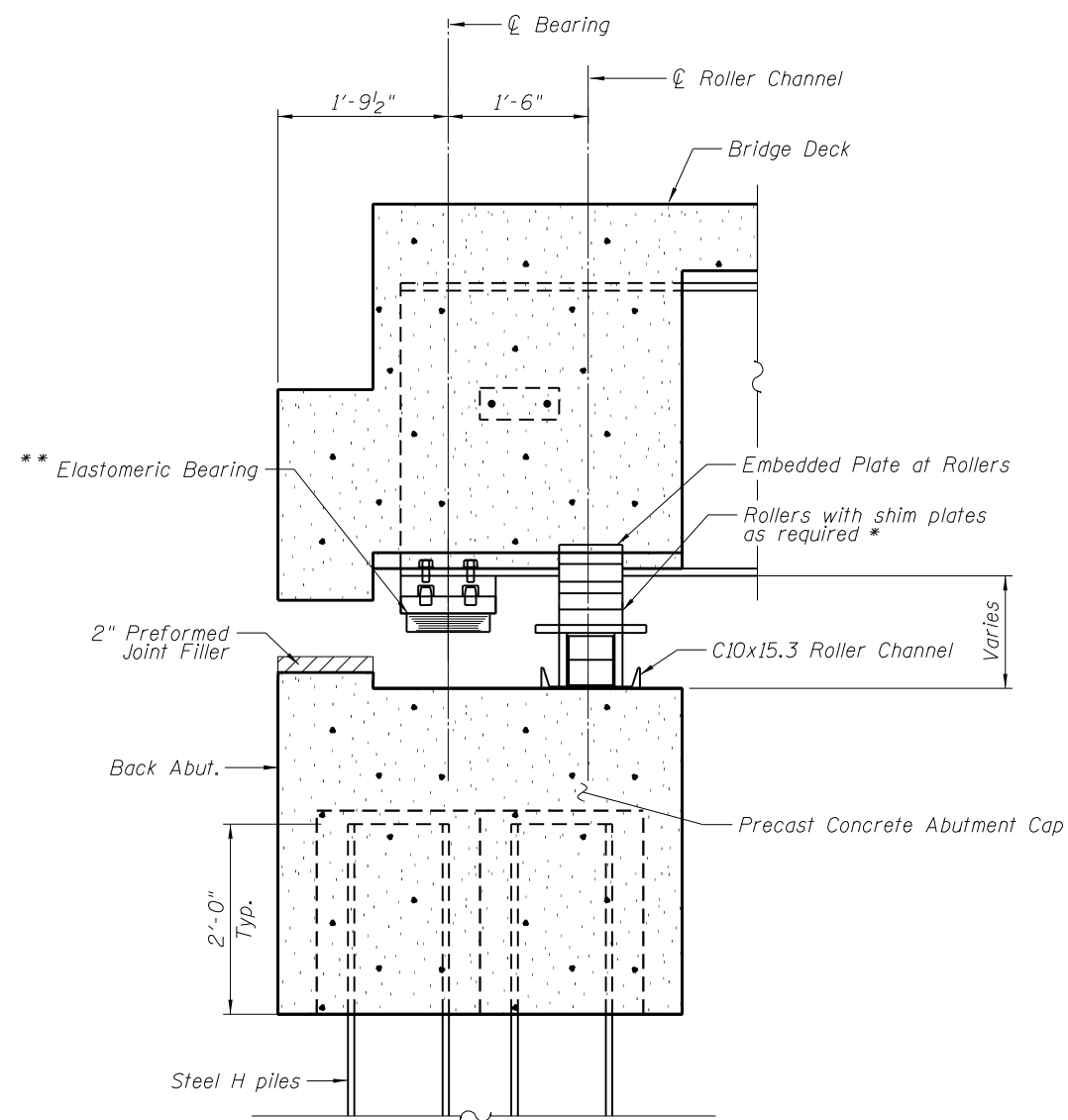
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 STRUCTURE NO. 046-0152**

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CONTRACT NO. 66B67				

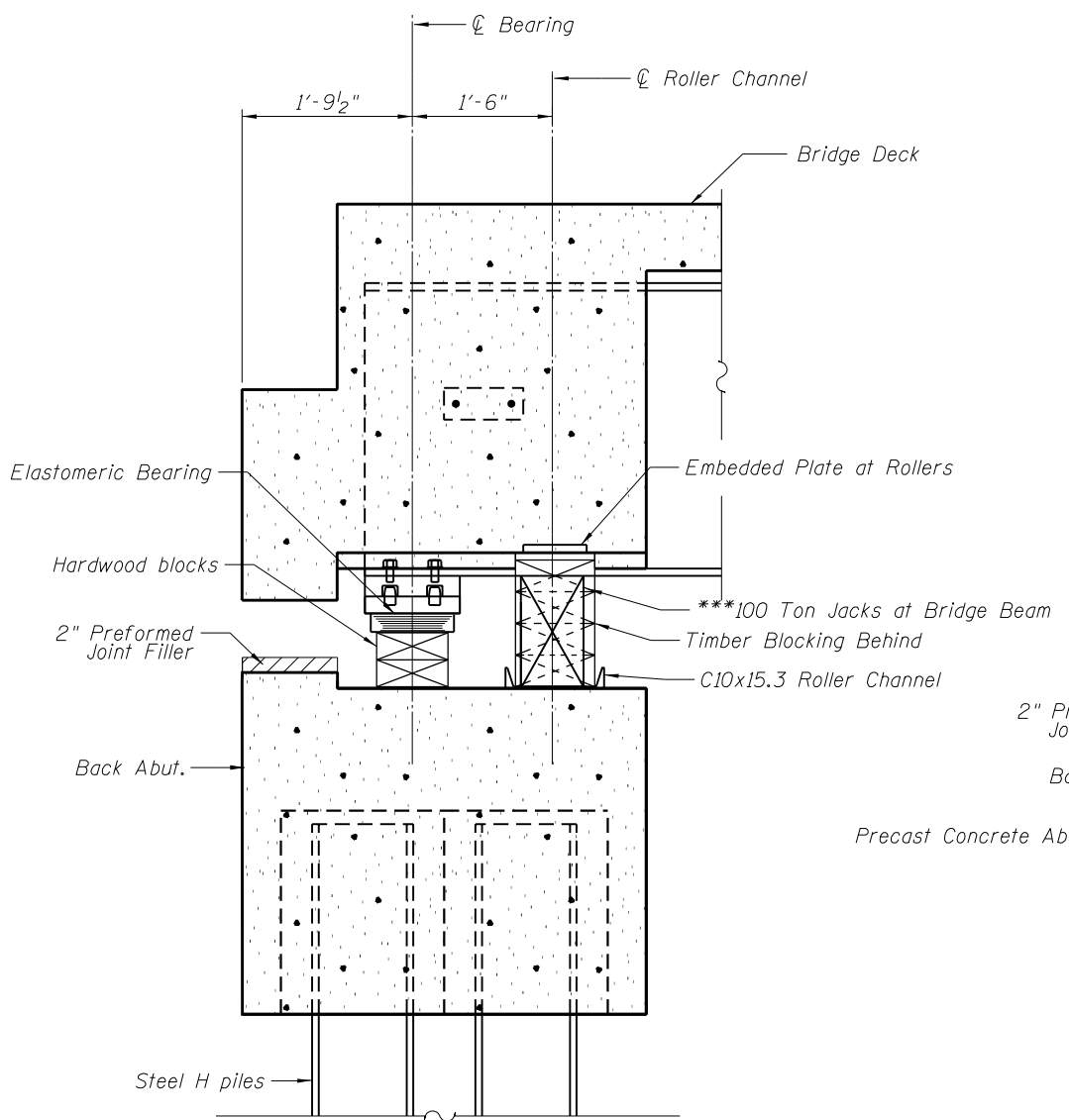
ILLINOIS FED. AID PROJECT

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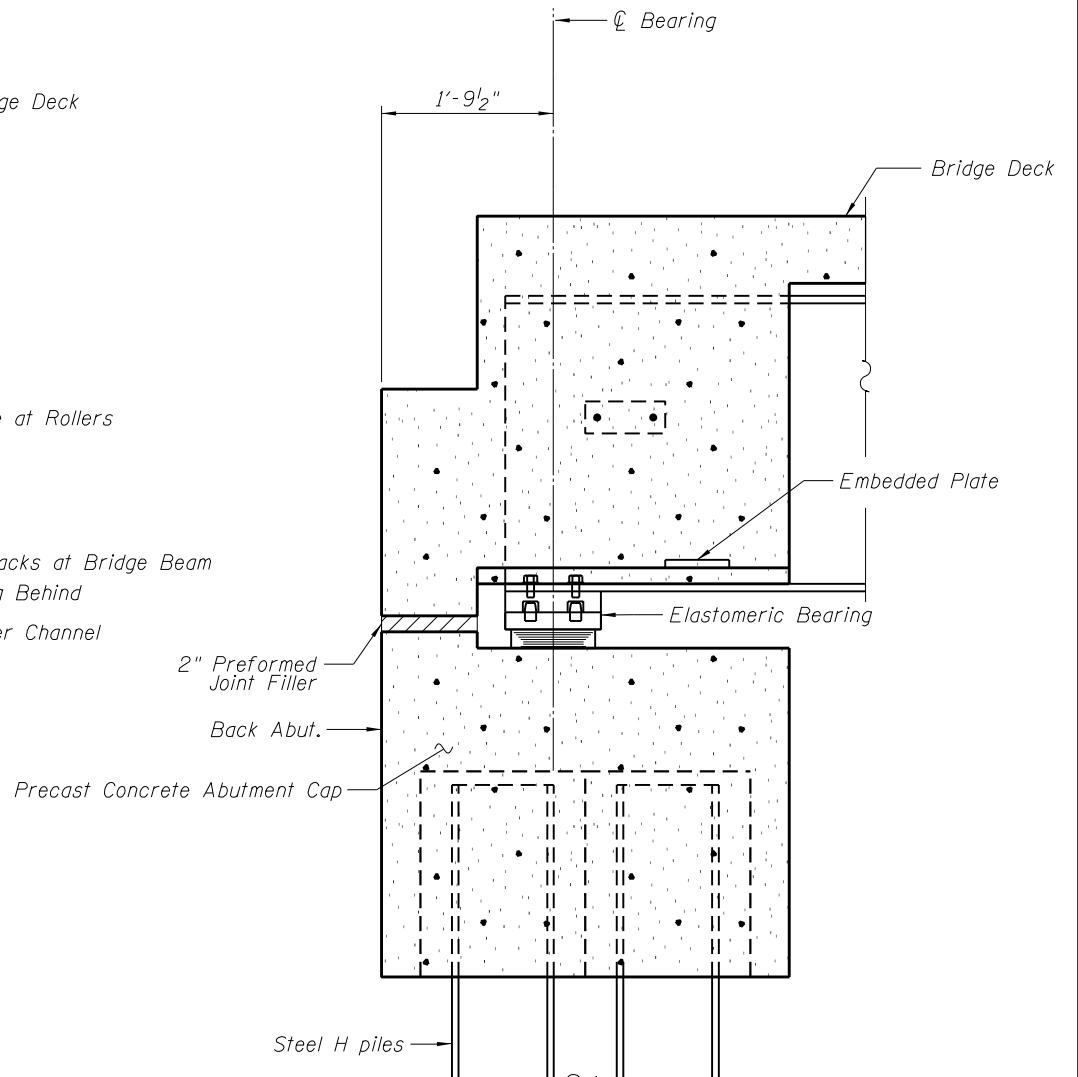
SECTION W/ BRIDGE ROLLED INTO POSITION (STEP 10)

Note:
 * Provide shim plates as required.
 ** Elastomeric bearing side retainer at outside of fascia beams only shall be installed after bridge is in correct horizontal alignment prior to lowering of jacks.



SECTION W/ JACKS INSTALLED AND ROLLERS REMOVED (STEP 11-13)

Note:
 *** 100 Ton Jacks will be installed at each bridge beam location in front of the proposed bearing locations.



SECTION W/ BRIDGE IN FINAL POSITION (STEP 14)



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

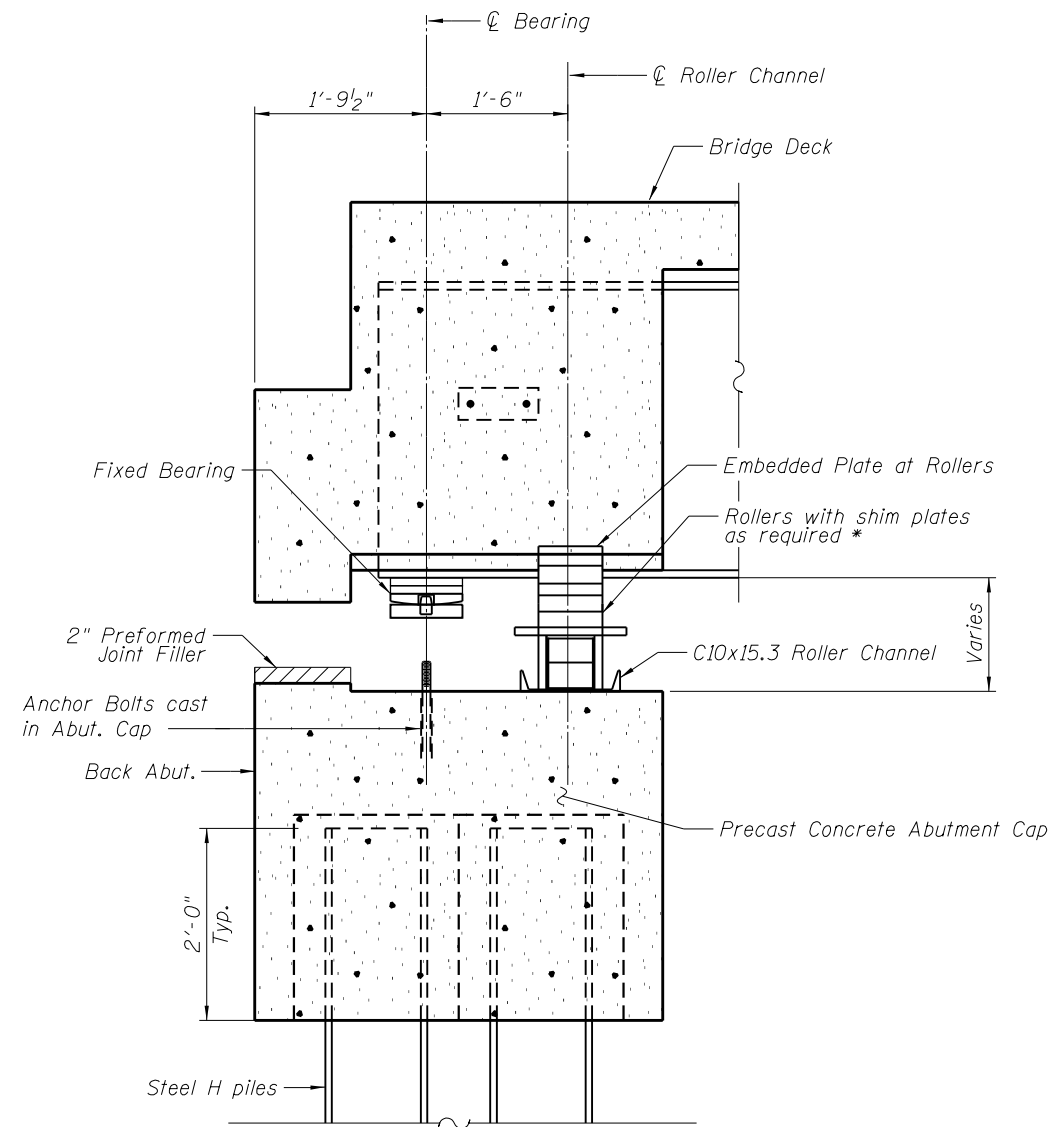
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 STRUCTURE NO. 046-0152**

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CONTRACT NO. 66B67				

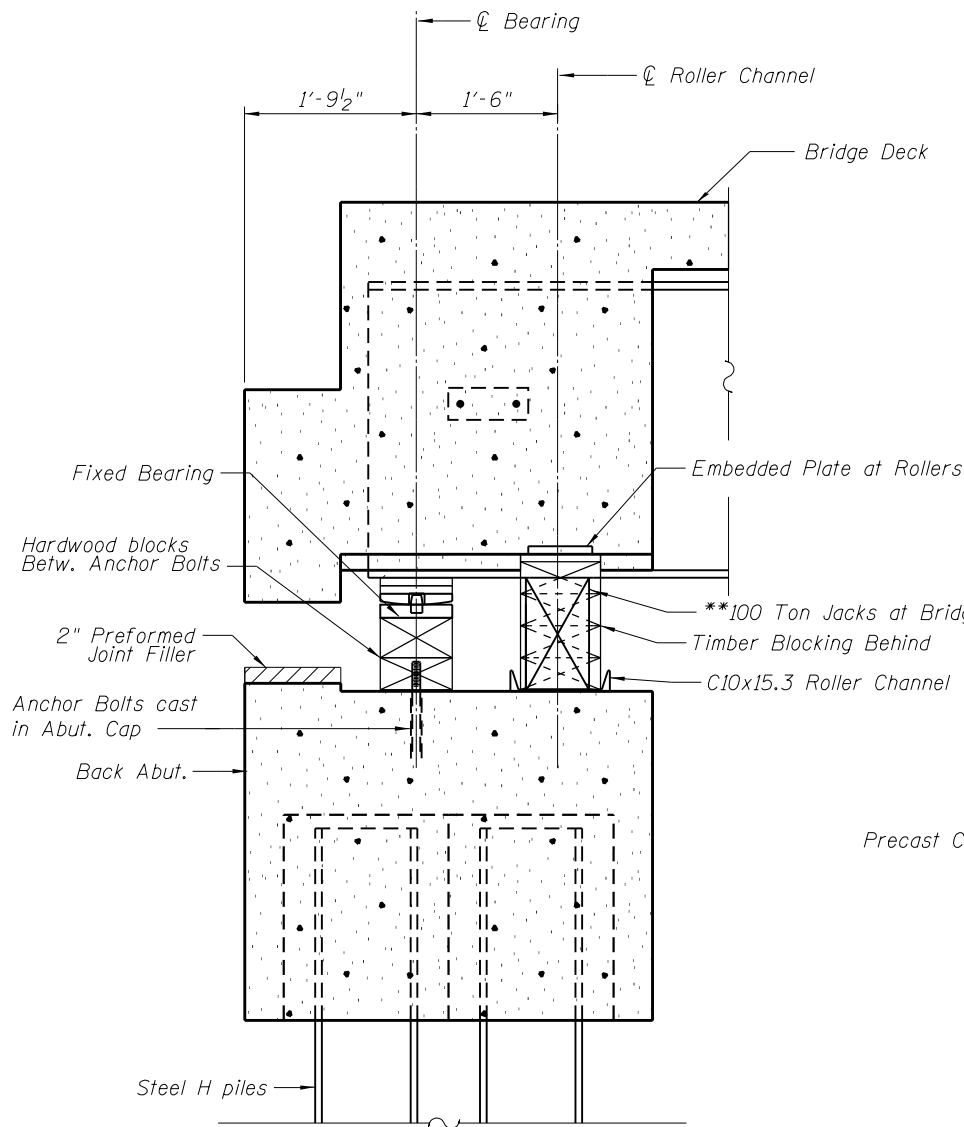
ILLINOIS FED. AID PROJECT

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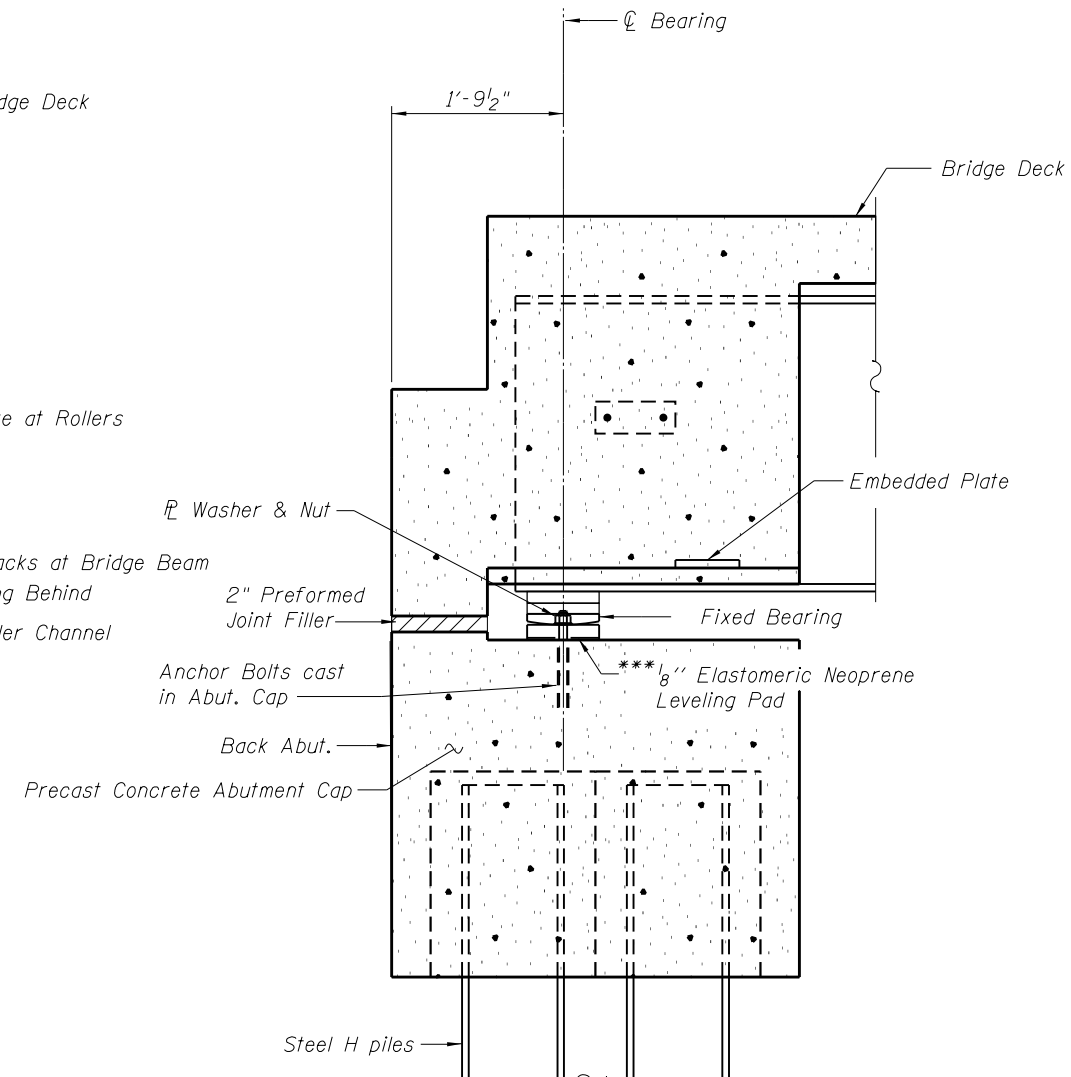
SECTION W/ BRIDGE ROLLED INTO POSITION (STEP 10)

Note:
* Provide shim plates as required.



SECTION W/ JACKS INSTALLED AND ROLLERS REMOVED (STEP 11-13)

Note:
**100 Ton Jacks will be installed at each bridge beam location in front of the proposed bearing locations.



SECTION W/ BRIDGE IN FINAL POSITION (STEP 14)

*** To be installed after removal of last hardwood block and before bridge is fully engaged in final position.



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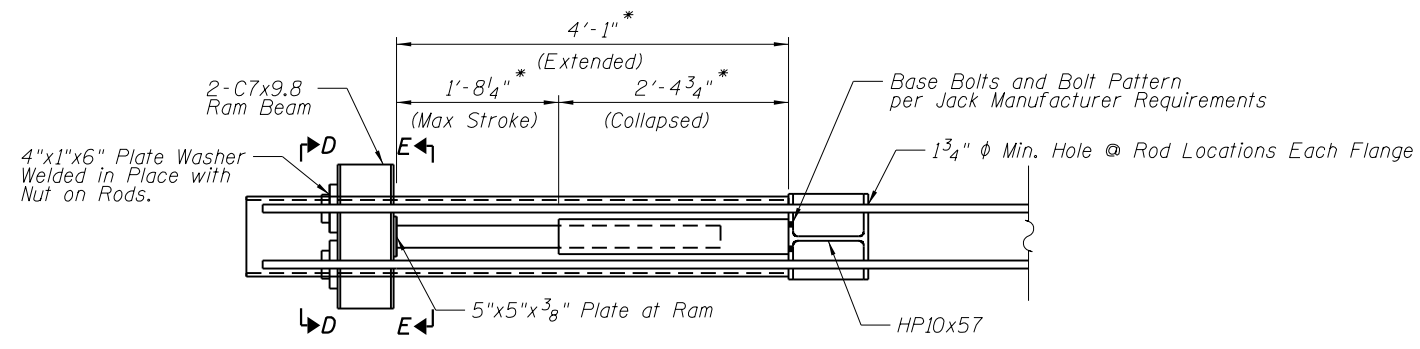
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DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT FINAL POSITION SECTIONS
STRUCTURE NO. 046-0152**

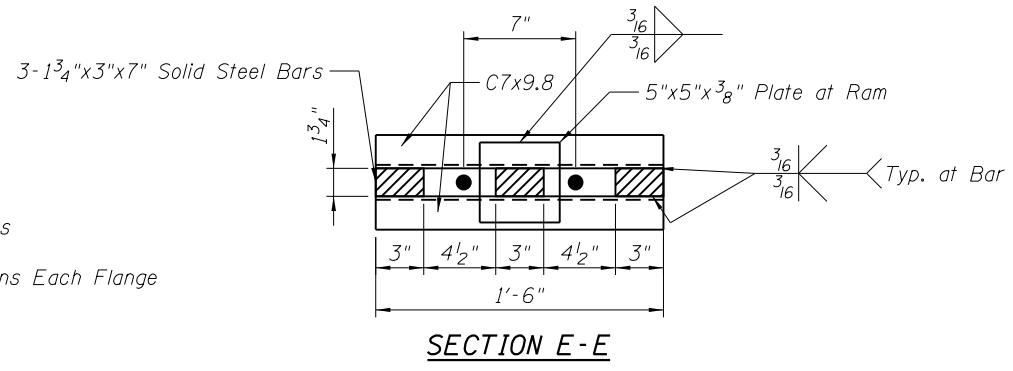
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

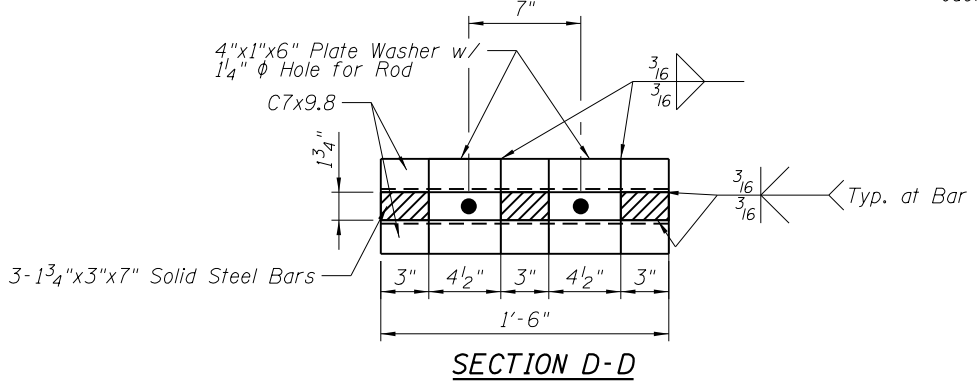
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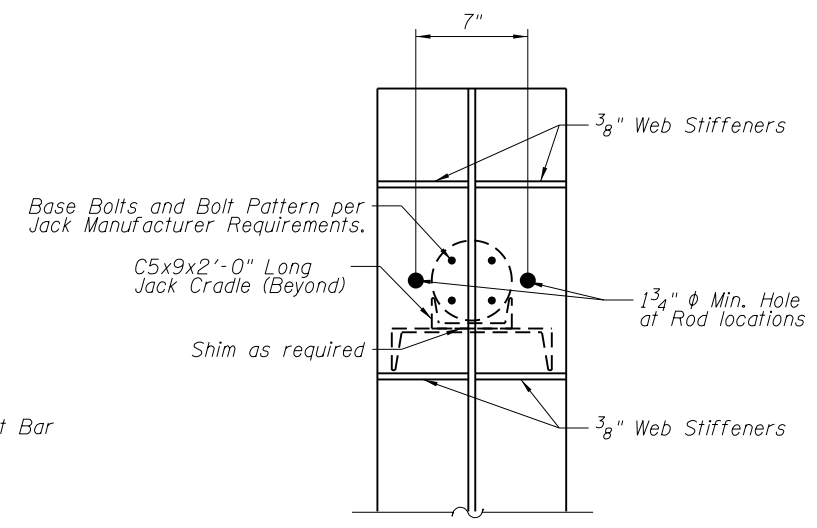
JACKING BEARING PLAN VIEW
 * Configuration varies based on Jack Model used.



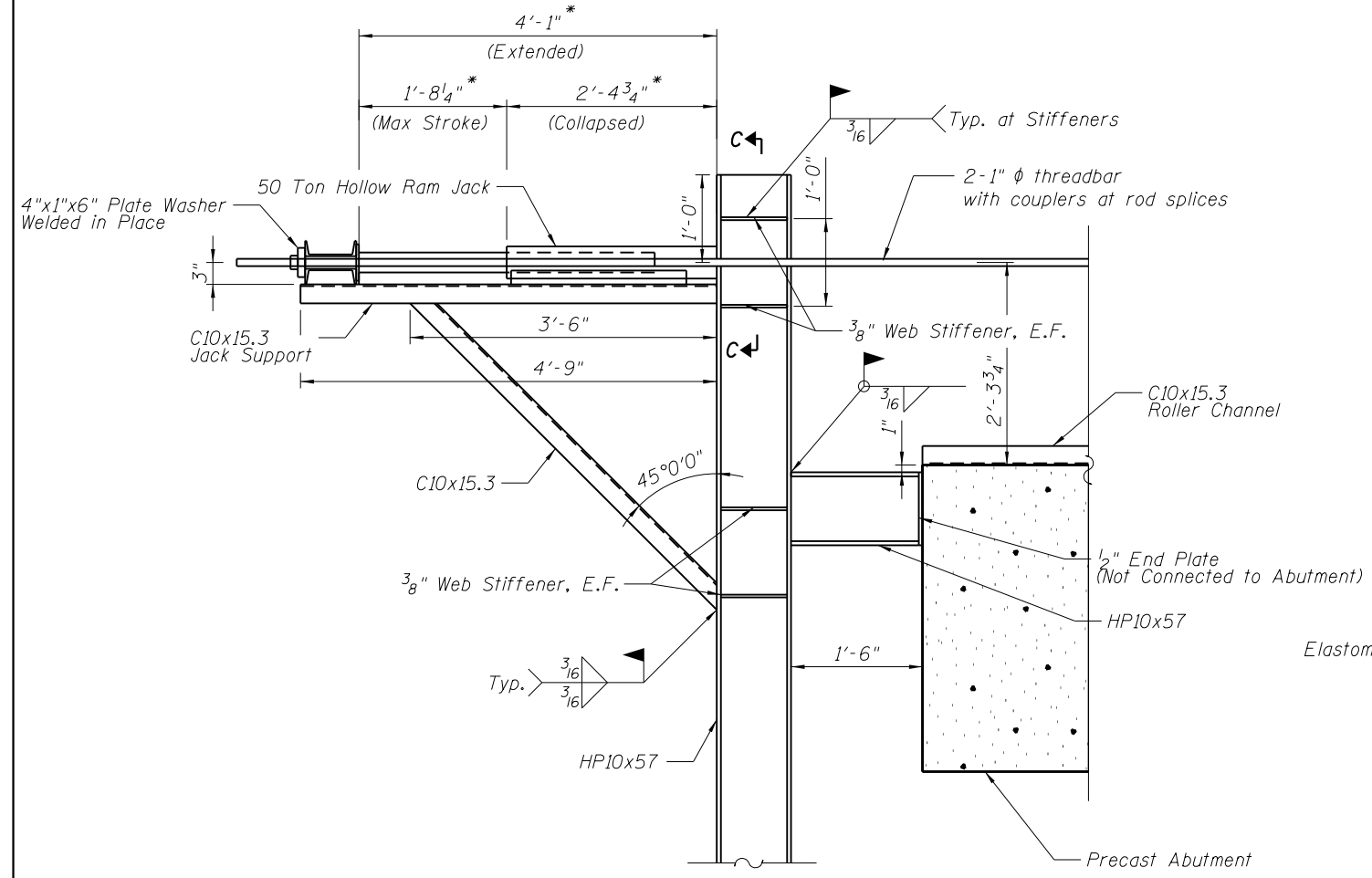
SECTION E-E



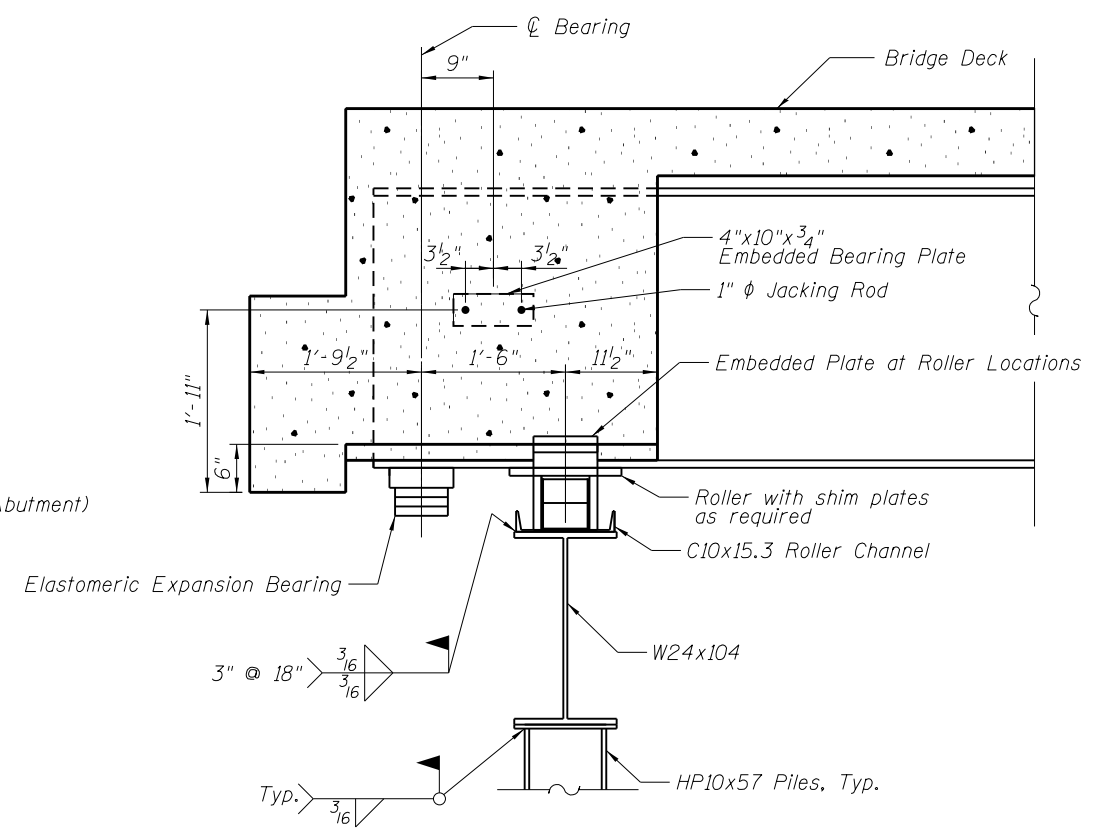
SECTION D-D



SECTION C-C



JACKING BEARING SECTION B-B
 * Configuration varies based on Jack Model used.



JACKING BEARING SECTION A-A



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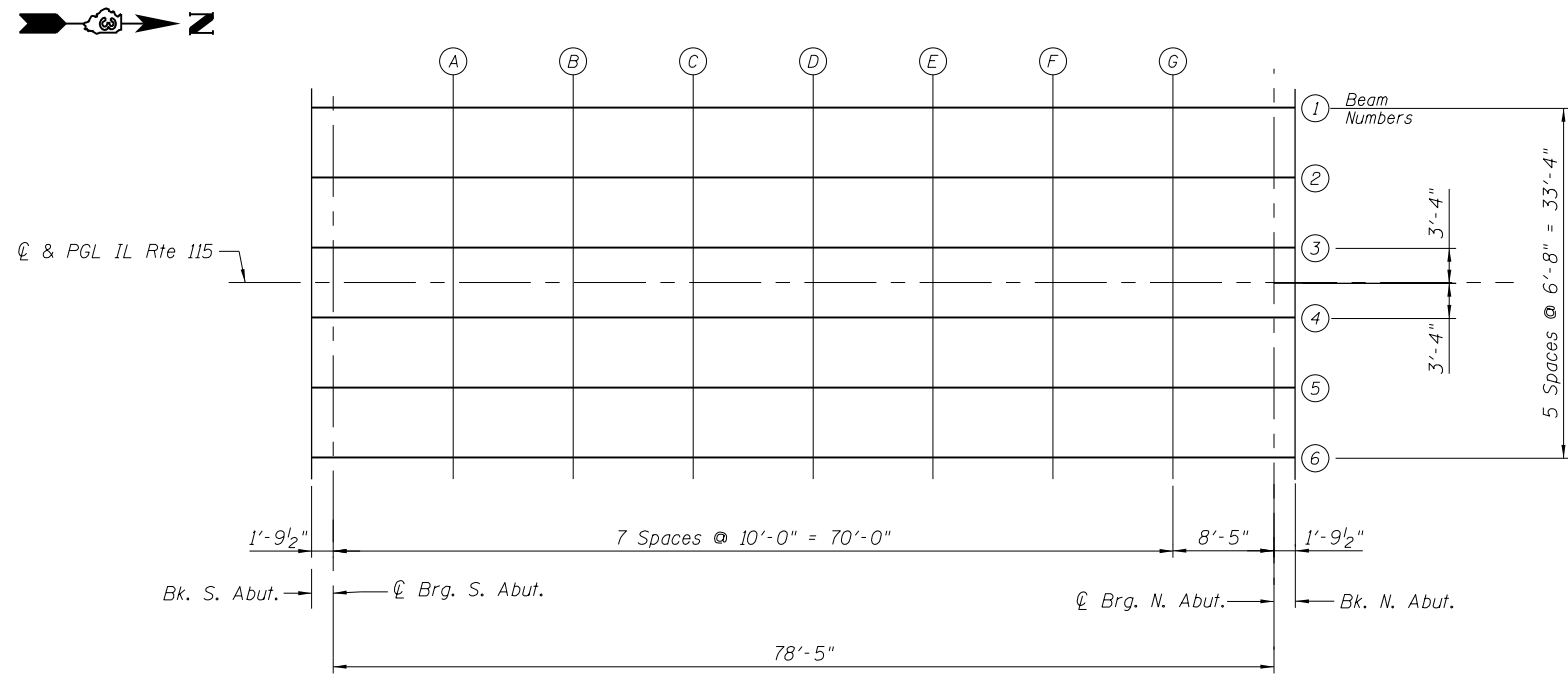
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROLLING PROCEDURE & DETAILS
 STRUCTURE NO. 046-0152**

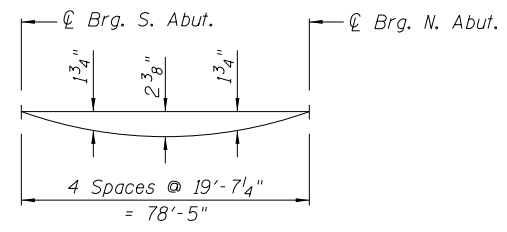
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	28
CONTRACT NO. 66B67				

ILLINOIS FED. AID PROJECT

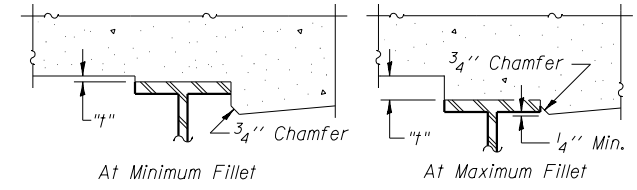


PLAN FOR TOP OF SLAB ELEVATIONS



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on Sheet 10 of 30.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheet 10, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TOP OF SLAB ELEVATIONS PLAN	
STRUCTURE NO. 046-0152	
SCALE: N/A	SHEET NO. 9 OF 30 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	29
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	-16.67	623.50	623.50
☉ Brg. S. Abut.	317+28.79	-16.67	623.50	623.50
A	317+38.79	-16.67	623.51	623.59
B	317+48.79	-16.67	623.51	623.65
C	317+58.79	-16.67	623.51	623.69
D	317+68.79	-16.67	623.50	623.69
E	317+78.79	-16.67	623.48	623.65
F	317+88.79	-16.67	623.45	623.58
G	317+98.79	-16.67	623.42	623.49
☉ Brg. N. Abut.	318+07.21	-16.67	623.39	623.39
Bk. N. Abut.	318+09.00	-16.67	623.38	623.38

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	-10.00	623.62	623.62
☉ Brg. S. Abut.	317+28.79	-10.00	623.63	623.63
A	317+38.79	-10.00	623.63	623.71
B	317+48.79	-10.00	623.64	623.78
C	317+58.79	-10.00	623.63	623.81
D	317+68.79	-10.00	623.62	623.82
E	317+78.79	-10.00	623.60	623.78
F	317+88.79	-10.00	623.58	623.71
G	317+98.79	-10.00	623.54	623.61
☉ Brg. N. Abut.	318+07.21	-10.00	623.51	623.51
Bk. N. Abut.	318+09.00	-10.00	623.50	623.50

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	-3.33	623.72	623.72
☉ Brg. S. Abut.	317+28.79	-3.33	623.73	623.73
A	317+38.79	-3.33	623.73	623.81
B	317+48.79	-3.33	623.74	623.88
C	317+58.79	-3.33	623.73	623.91
D	317+68.79	-3.33	623.72	623.92
E	317+78.79	-3.33	623.70	623.88
F	317+88.79	-3.33	623.68	623.81
G	317+98.79	-3.33	623.64	623.71
☉ Brg. N. Abut.	318+07.21	-3.33	623.61	623.61
Bk. N. Abut.	318+09.00	-3.33	623.60	623.60

☉ ROADWAY & PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	0.00	623.77	623.77
☉ Brg. S. Abut.	317+28.79	0.00	623.78	623.78
A	317+38.79	0.00	623.78	623.86
B	317+48.79	0.00	623.79	623.93
C	317+58.79	0.00	623.78	623.96
D	317+68.79	0.00	623.77	623.97
E	317+78.79	0.00	623.75	623.93
F	317+88.79	0.00	623.73	623.86
G	317+98.79	0.00	623.69	623.76
☉ Brg. N. Abut.	318+07.21	0.00	623.66	623.66
Bk. N. Abut.	318+09.00	0.00	623.65	623.65

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	3.33	623.72	623.72
☉ Brg. S. Abut.	317+28.79	3.33	623.73	623.73
A	317+38.79	3.33	623.73	623.81
B	317+48.79	3.33	623.74	623.88
C	317+58.79	3.33	623.73	623.91
D	317+68.79	3.33	623.72	623.92
E	317+78.79	3.33	623.70	623.88
F	317+88.79	3.33	623.68	623.81
G	317+98.79	3.33	623.64	623.71
☉ Brg. N. Abut.	318+07.21	3.33	623.61	623.61
Bk. N. Abut.	318+09.00	3.33	623.60	623.60

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	10.00	623.62	623.62
☉ Brg. S. Abut.	317+28.79	10.00	623.63	623.63
A	317+38.79	10.00	623.63	623.71
B	317+48.79	10.00	623.64	623.78
C	317+58.79	10.00	623.63	623.81
D	317+68.79	10.00	623.62	623.82
E	317+78.79	10.00	623.60	623.78
F	317+88.79	10.00	623.58	623.71
G	317+98.79	10.00	623.54	623.61
☉ Brg. N. Abut.	318+07.21	10.00	623.51	623.51
Bk. N. Abut.	318+09.00	10.00	623.50	623.50

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	317+27.00	16.67	623.50	623.50
☉ Brg. S. Abut.	317+28.79	16.67	623.50	623.50
A	317+38.79	16.67	623.51	623.59
B	317+48.79	16.67	623.51	623.65
C	317+58.79	16.67	623.51	623.69
D	317+68.79	16.67	623.50	623.69
E	317+78.79	16.67	623.48	623.65
F	317+88.79	16.67	623.45	623.58
G	317+98.79	16.67	623.42	623.49
☉ Brg. N. Abut.	318+07.21	16.67	623.39	623.39
Bk. N. Abut.	318+09.00	16.67	623.38	623.38

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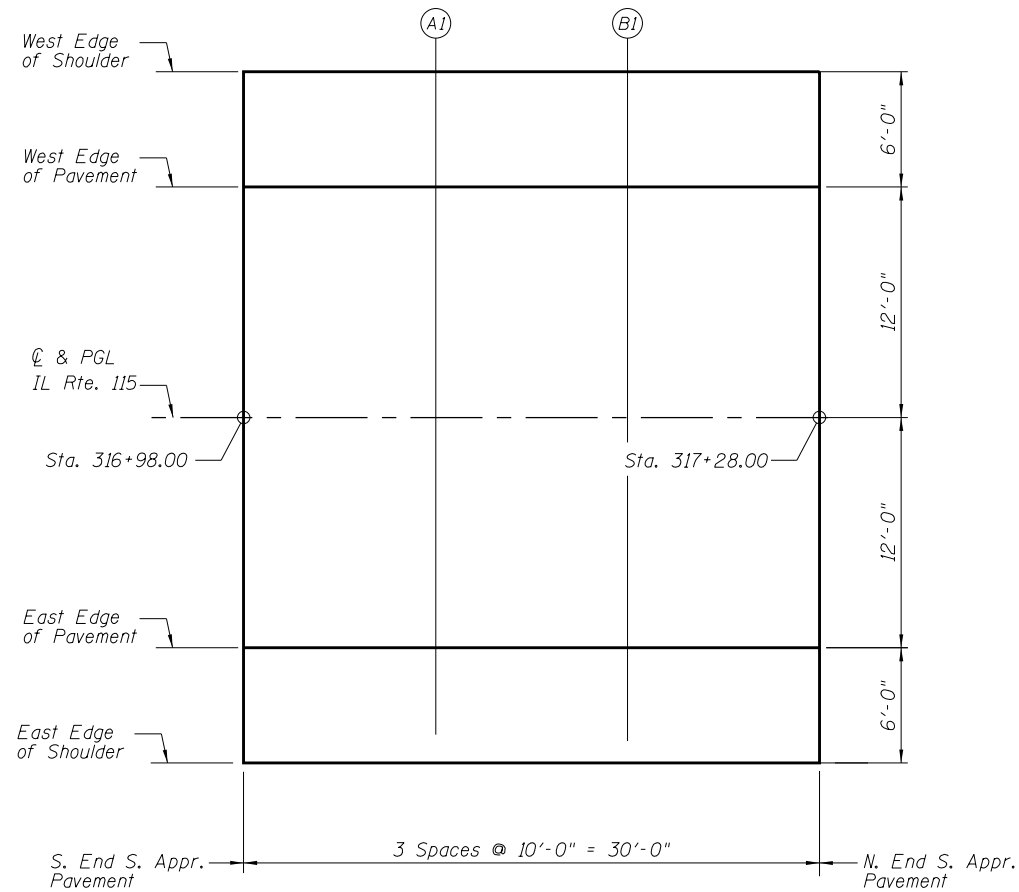
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 046-0152**

SCALE: N/A SHEET NO. 10 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	30
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



PLAN FOR TOP OF SLAB ELEVATIONS

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Pvmt.	316+98.00	-18.00	623.41
A1	317+08.00	-18.00	623.44
B1	317+18.00	-18.00	623.46
N. End S. Appr. Pvmt.	317+28.00	-18.00	623.47

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Pvmt.	316+98.00	-12.00	623.53
A1	317+08.00	-12.00	623.56
B1	317+18.00	-12.00	623.58
N. End S. Appr. Pvmt.	317+28.00	-12.00	623.59

CL & PGL IL RTE. 115

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Pvmt.	316+98.00	0.00	623.71
A1	317+08.00	0.00	623.74
B1	317+18.00	0.00	623.76
N. End S. Appr. Pvmt.	317+28.00	0.00	623.77

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Pvmt.	316+98.00	12.00	623.53
A1	317+08.00	12.00	623.56
B1	317+18.00	12.00	623.58
N. End S. Appr. Pvmt.	317+28.00	12.00	623.59

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Pvmt.	316+98.00	18.00	623.41
A1	317+08.00	18.00	623.44
B1	317+18.00	18.00	623.46
N. End S. Appr. Pvmt.	317+28.00	18.00	623.47

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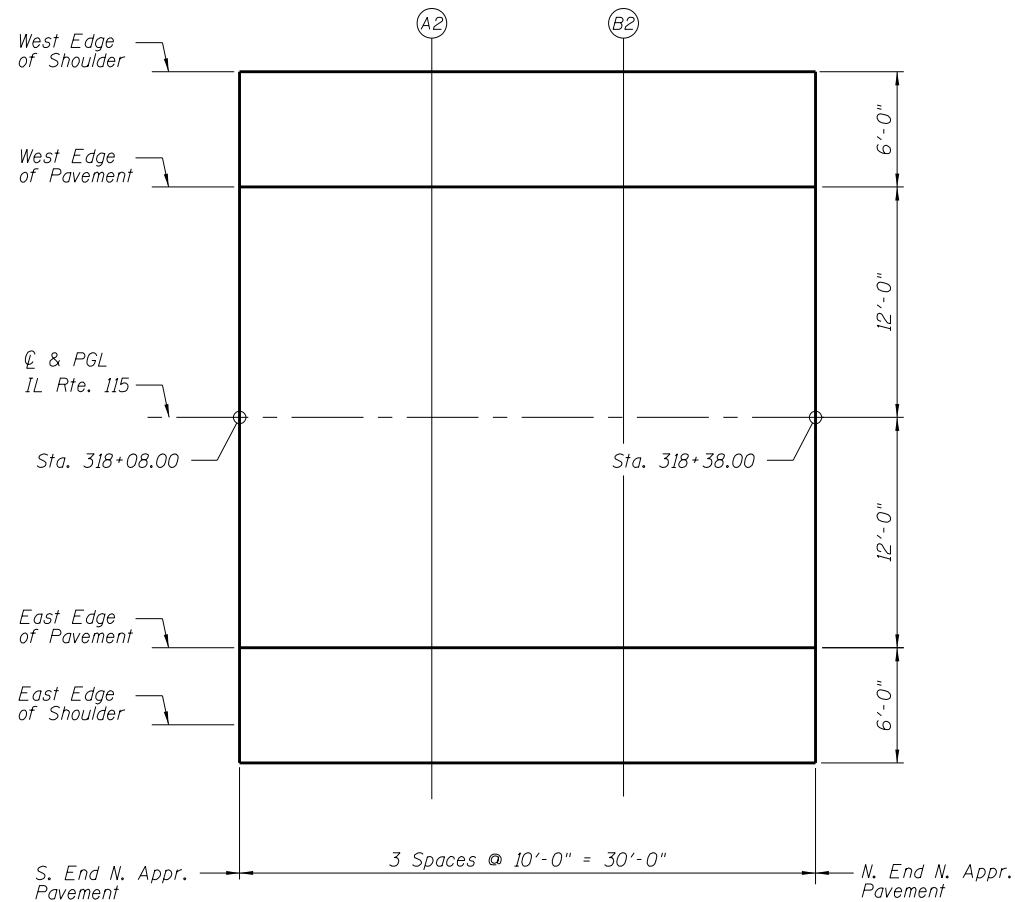
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0152**

SCALE: N/A SHEET NO. 11 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	31
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



PLAN FOR TOP OF SLAB ELEVATIONS

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr. Pvmt.	318+08.00	-18.00	623.36
A2	318+18.00	-18.00	623.31
B2	318+28.00	-18.00	623.26
N. End N. Appr. Pvmt.	318+38.00	-18.00	623.20

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr. Pvmt.	318+08.00	-12.00	623.48
A2	318+18.00	-12.00	623.43
B2	318+28.00	-12.00	623.38
N. End N. Appr. Pvmt.	318+38.00	-12.00	623.32

C & PGL IL RTE. 115

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr. Pvmt.	318+08.00	0.00	623.66
A2	318+18.00	0.00	623.61
B2	318+28.00	0.00	623.56
N. End N. Appr. Pvmt.	318+38.00	0.00	623.50

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr. Pvmt.	318+08.00	12.00	623.48
A2	318+18.00	12.00	623.43
B2	318+28.00	12.00	623.38
N. End N. Appr. Pvmt.	318+38.00	12.00	623.32

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr. Pvmt.	318+08.00	18.00	623.36
A2	318+18.00	18.00	623.31
B2	318+28.00	18.00	623.26
N. End N. Appr. Pvmt.	318+38.00	18.00	623.20

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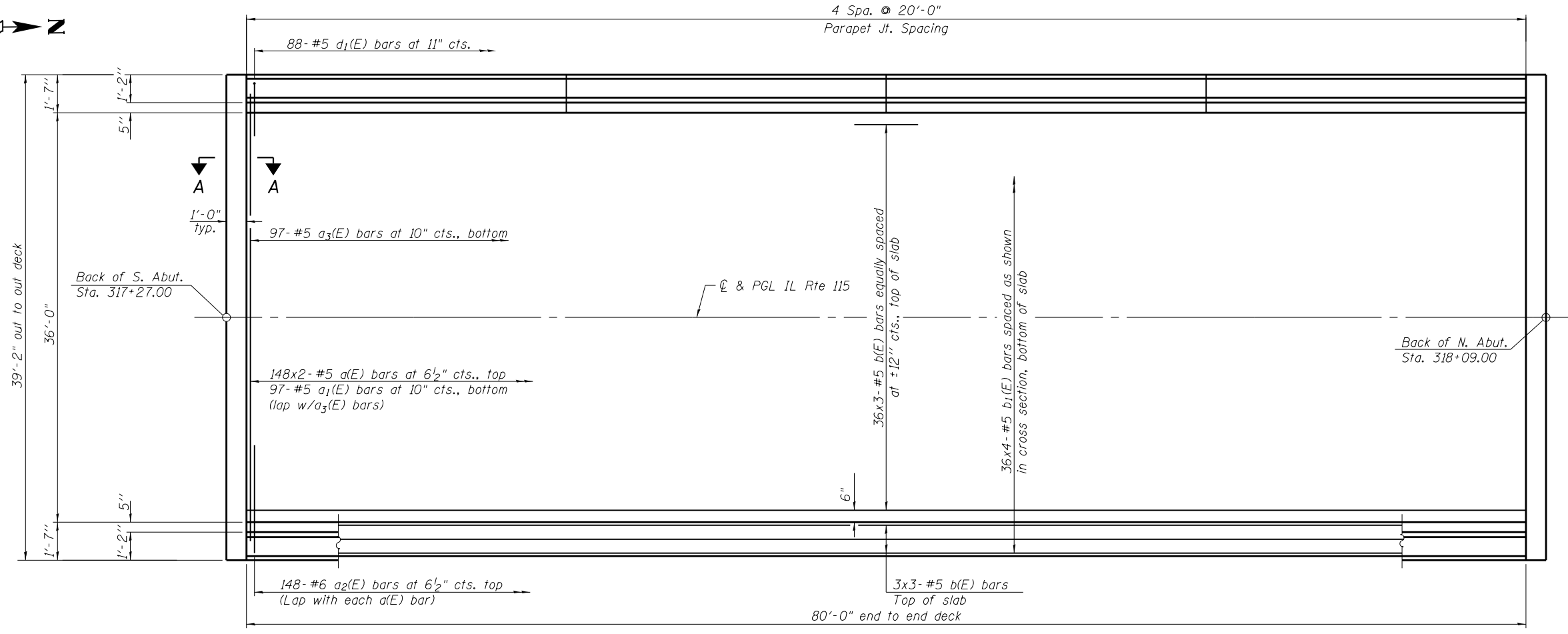


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PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NORTH APPROACH SLAB ELEVATIONS	
STRUCTURE NO. 046-0152	
SCALE: N/A	SHEET NO. 12 OF 30 SHEETS
STA.	TO STA.

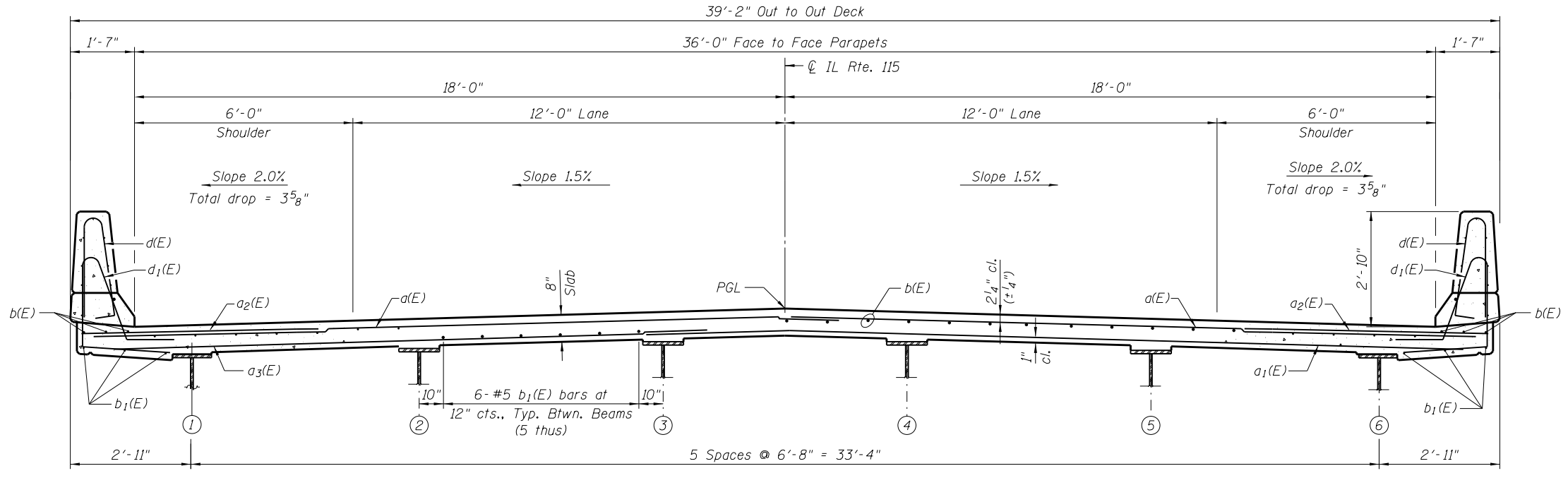
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	32
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	



PLAN

Notes:
 See Sheet 14 of 30 for Superstructure Details and Bill of Material.
 Bars indicated thus 36 x 3-#5 etc. indicates 36 lines of bars with 3 lengths per line.
 See Sheet 14 of 30 for Parapet Reinforcement.
 See Sheet 15 of 30 for Section A-A.

MIN. BAR LAP
 #5 Bar = 3'-6"



CROSS SECTION
 (Looking North)

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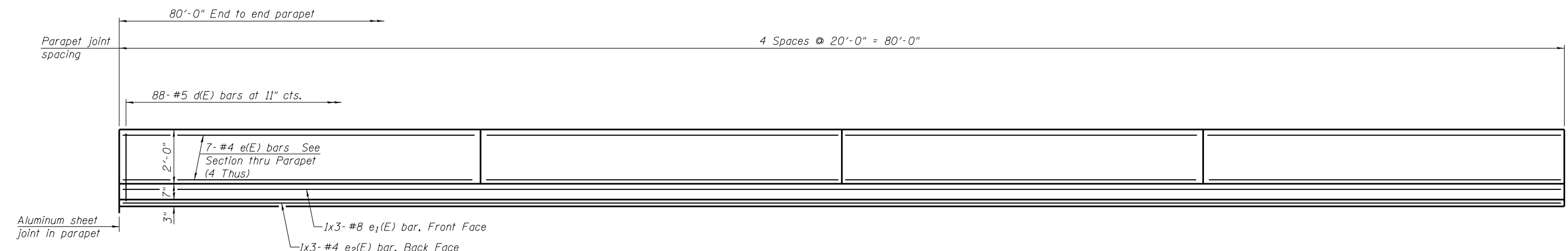
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN
STRUCTURE NO. 046-0152

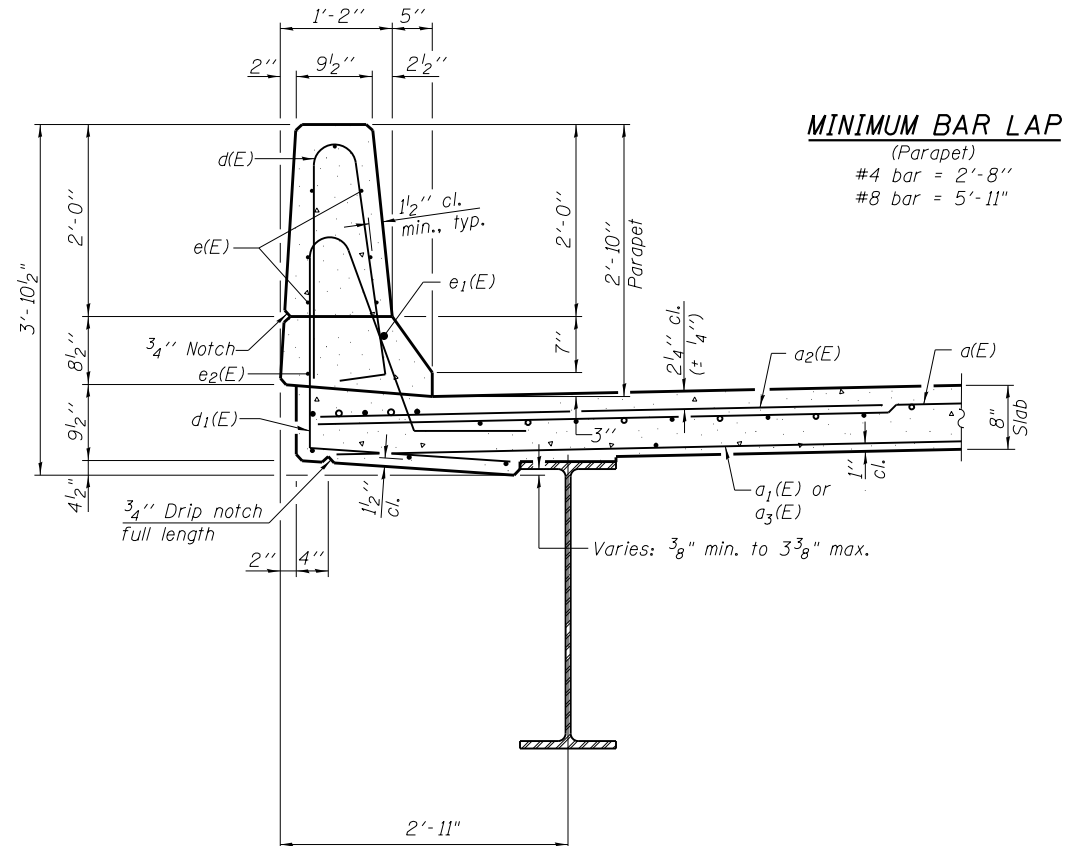
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F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 33
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

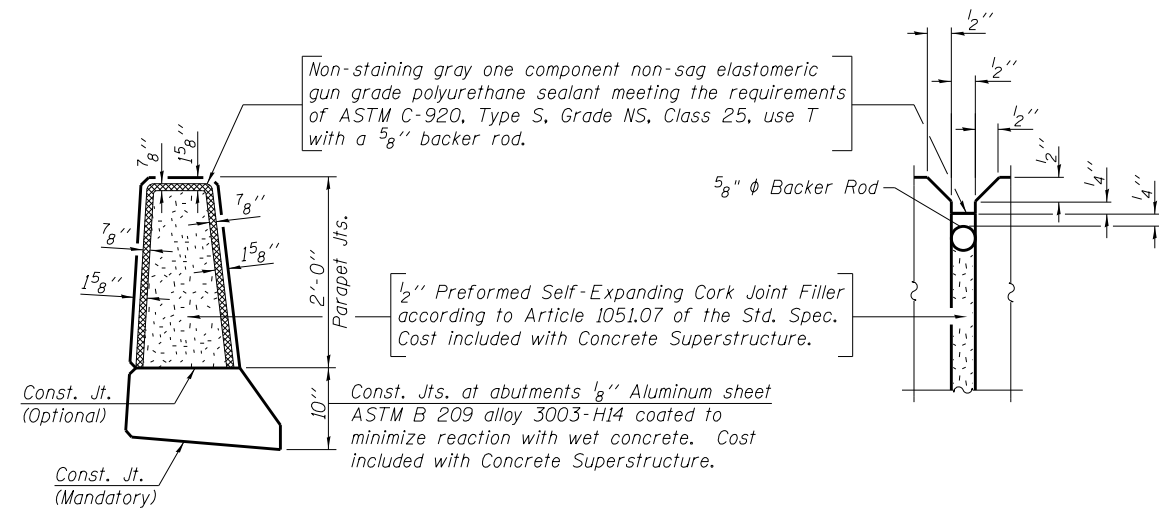
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INSIDE ELEVATION OF PARAPET



MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



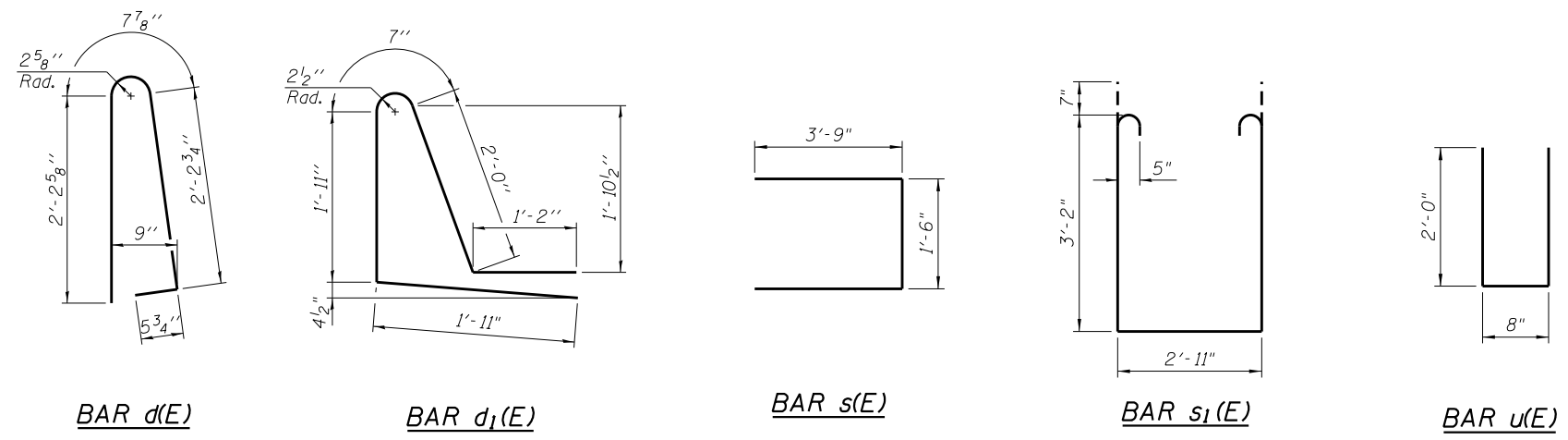
PARAPET JOINT DETAILS

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	296	#5	21'-0"	—
a ₁ (E)	97	#5	24'-4"	—
a ₂ (E)	296	#6	6'-6"	—
a ₃ (E)	97	#5	17'-8"	—
b(E)	126	#5	28'-11"	—
b ₁ (E)	144	#5	22'-7"	—
d(E)	176	#5	5'-7"	⏏
d ₁ (E)	176	#5	7'-7"	⏏
e(E)	56	#4	19'-8"	—
e ₁ (E)	6	#8	30'-6"	—
e ₂ (E)	6	#4	28'-4"	—
m(E)	32	#6	21'-7"	—
m ₁ (E)	24	#5	4'-0"	—
m ₂ (E)	40	#6	6'-4"	—
m ₃ (E)	16	#6	2'-7"	—
s(E)	82	#5	9'-0"	⏏
s ₁ (E)	72	#4	10'-5"	⏏
u(E)	80	#5	4'-8"	⏏
Reinforcement Bars, Epoxy Coated			Pound	27,810
Concrete Superstructure			Cu. Yds.	143.4

Bars indicated thus: 1x3- #8 etc. indicates 1 line of bars with 3 lengths per line.

SECTION THRU PARAPET



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	DRAWN - TCS	REVISED -
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO. 046-0152

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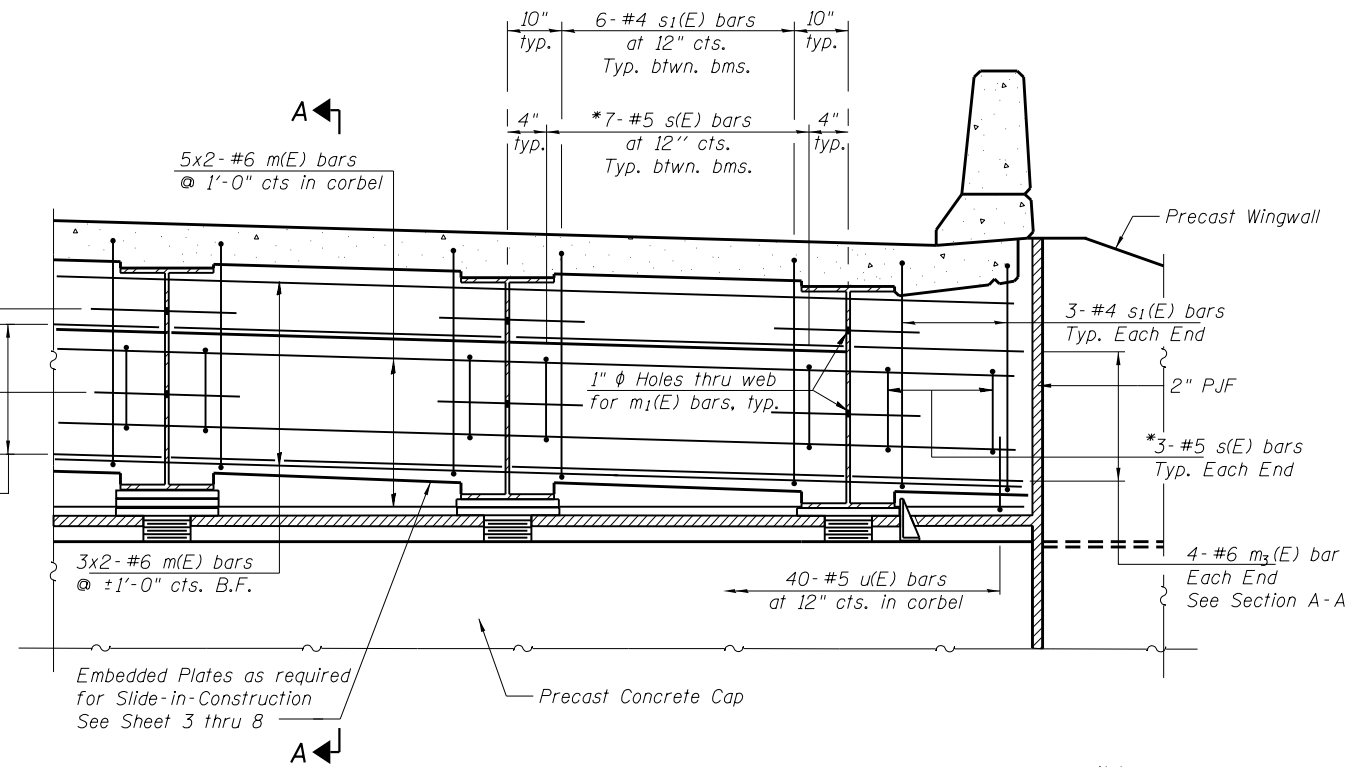
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	34
CONTRACT NO. 66B67				

ILLINOIS FED. AID PROJECT

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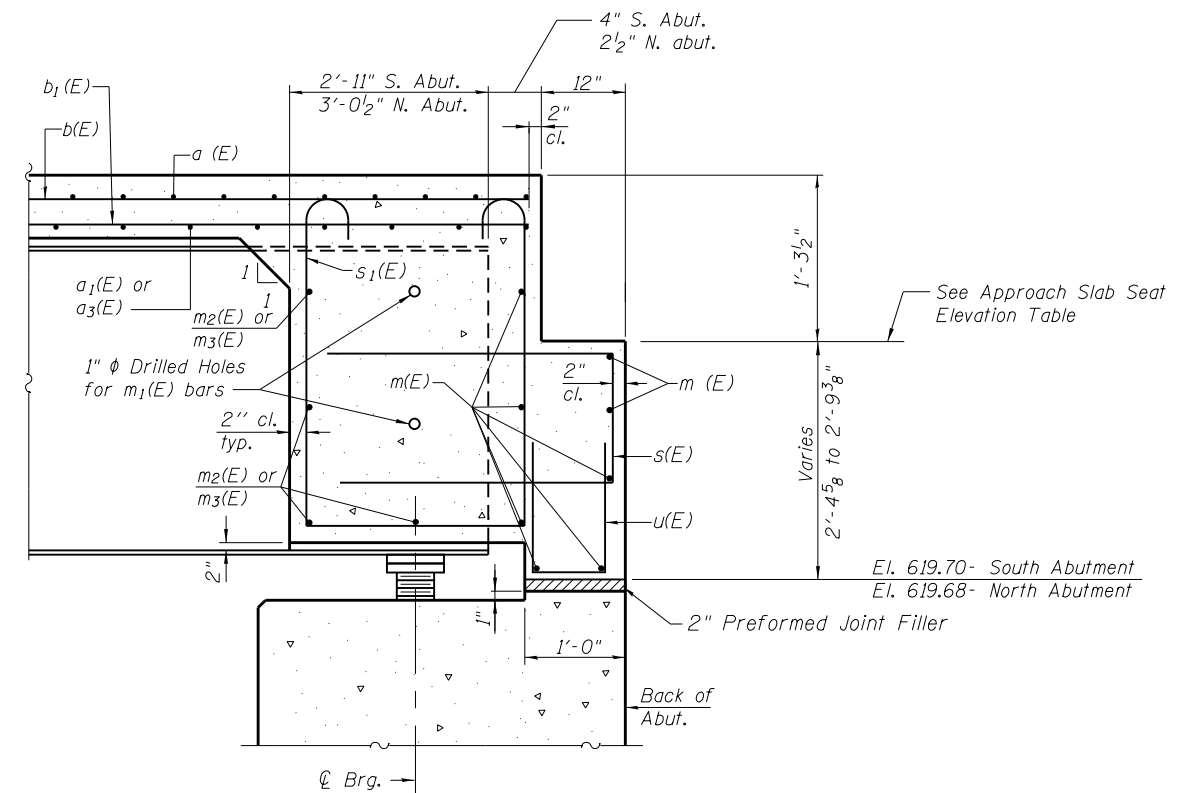
Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 14 of 30.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 14 of 30.
 For details of bars s(E), s₁(E) & u(E) see sheet 14 of 30.

MIN. BAR LAP
 #6 bar = 4'-0"



DIAPHRAGM ELEVATION AT ABUTMENT

Note
 Secure bars such that they remain centered & level during pouring of the concrete.
 *Space s(E) bars to miss dowel rods for Full Depth Precast Bridge Approach Slab.



SECTION A-A

APPROACH SLAB SEAT ELEVATION TABLE

	South Abutment	North Abutment
W. Edge of Shoulder	622.18	622.07
W. Edge of Pavement	622.30	622.19
℄ of IL. Rte 115	622.48	622.37
E. Edge of Pavement	622.30	622.19
E. Edge of Shoulder	622.18	622.07



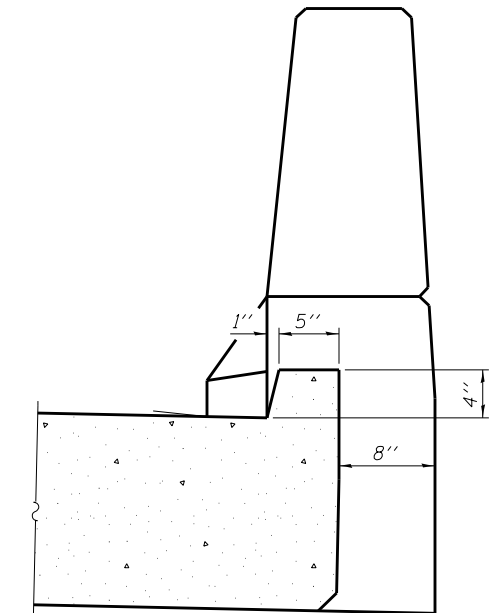
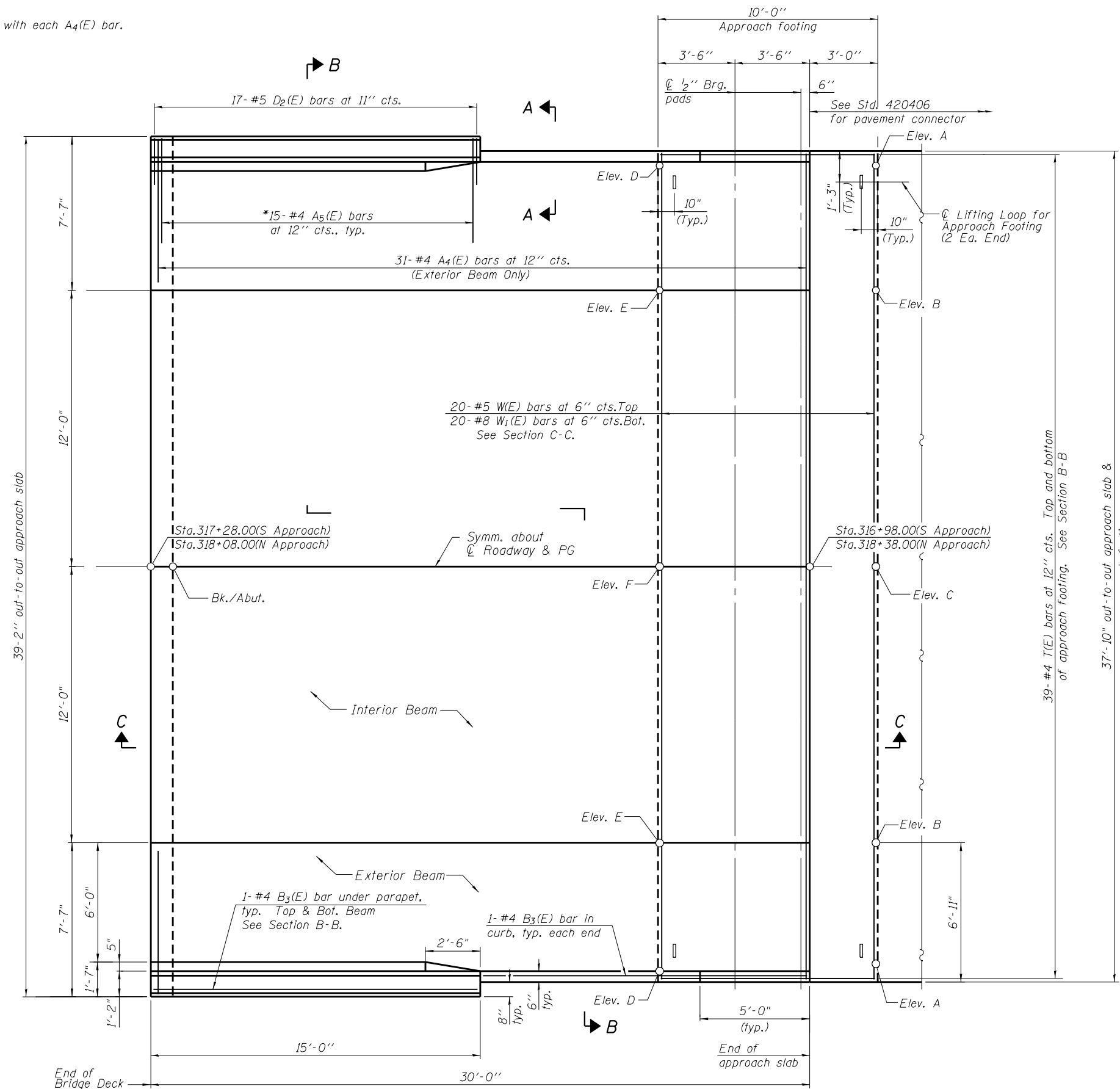
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PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SEMI-INTEGRAL ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 046-0152
 SCALE: N/A SHEET NO. 15 OF 30 SHEETS STA. TO STA.

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 35
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

* Lap with each A₄(E) bar.



SECTION A-A

ELEVATION OF TOP OF PRECAST BRIDGE APPROACH FOOTING

ELEVATION	SOUTH	NORTH
A	622.10	621.89
B	622.22	622.01
C	622.40	622.19
D	622.14	621.95
E	622.26	622.07
F	622.44	622.25

Note
See Sheet 17 of 30 for Sections B-B & Section C-C

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0556-04 (Phase II IL 115 over Ge Creek)\Bridge\CAD\Sheet Files\dgn\036667-516-Full Depth Approach Slab.dgn
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

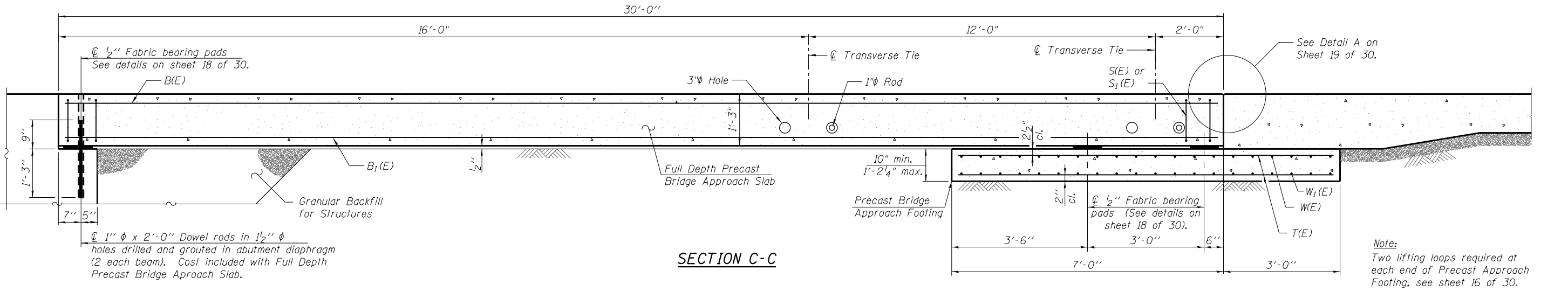
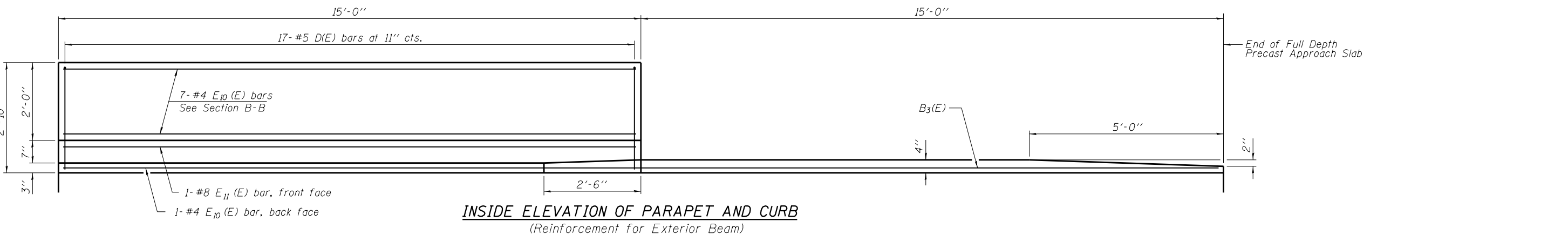
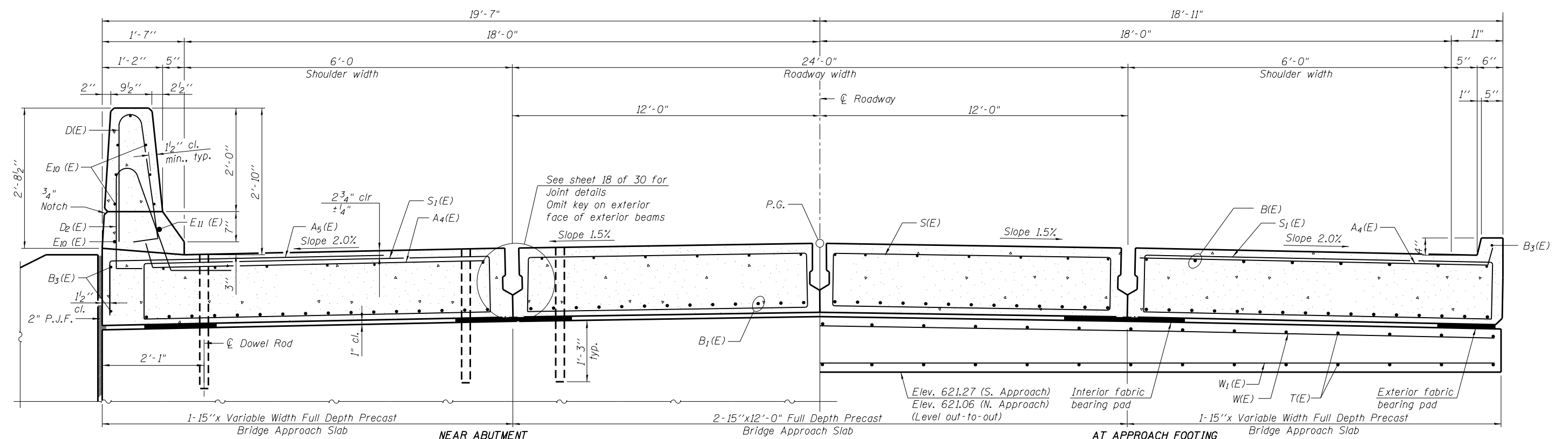
**FULL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 046-0152**

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 36
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

(Sheet 1 of 4)

SCALE: N/A SHEET NO. 16 OF 30 SHEETS STA. TO STA.

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(Sheet 2 of 4)



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	DRAWN - TCS	REVISED -
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PLOT DATE = 12/7/2016	DATE -	REVISED -

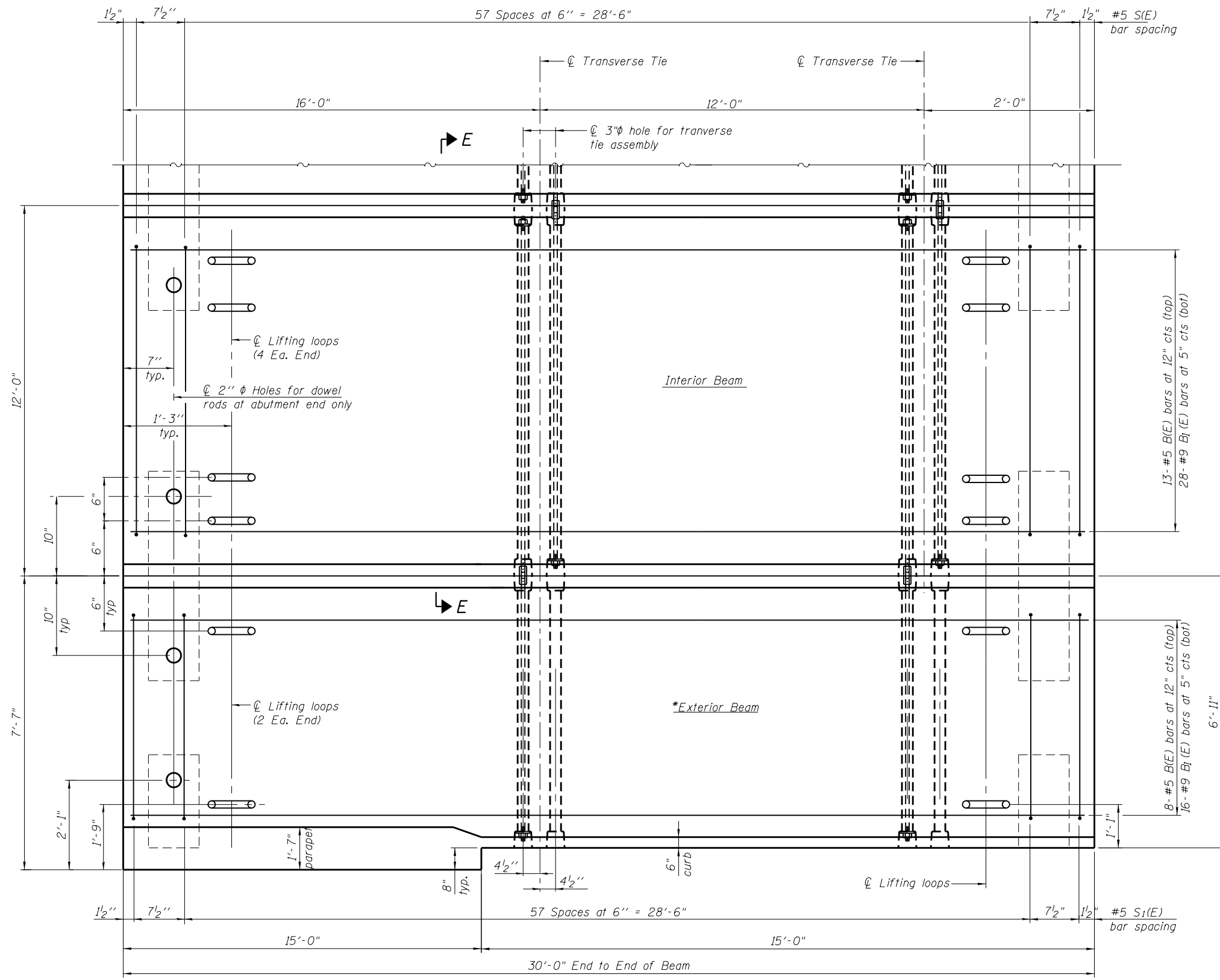
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FULL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 046-0152

SCALE: N/A SHEET NO. 17 OF 30 SHEETS STA. TO STA.

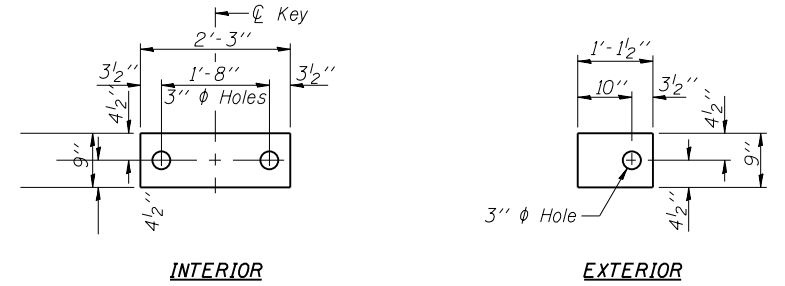
F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	37
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

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PLAN
 (Work with Plan on Sheet 1 of 4)

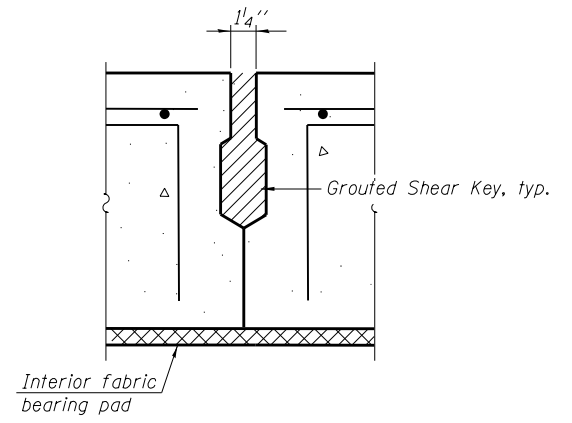
***Note:**
 See Plan on Sheet 16 of 30 and Inside Elevation of Parapet and Curb on Sheet 17 of 30 for additional reinforcement.



INTERIOR **EXTERIOR**

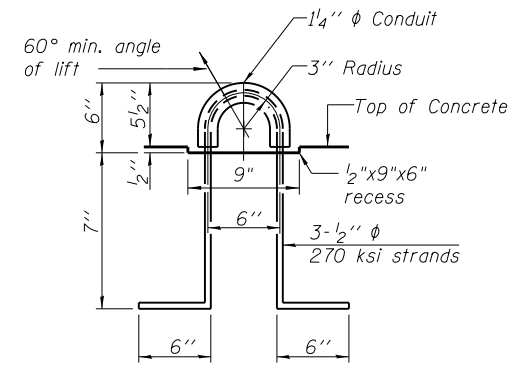
FABRIC BEARING PAD

Notes:
 All bearing pads shall be 1/2" thick.
 Omit holes for fabric bearing pads at approach slab footing end of beams.
 Expansion fabric bearing pad shall be bonded to the approach slab footing.



SECTION THRU SHEAR KEY JOINT

Notes:
 Shear key joint will be filled with high strength quick setting grout.



LIFTING LOOP DETAIL

All lifting loops shall be recessed 1/2". After placement of beam, loop shall be removed to top of recess. Recess shall be filled with high strength quick setting grout to top of precast slab.

(Sheet 3 of 4)

See Sheet 19 of 30 for Section E-E and Typical Transverse Tie Assembly



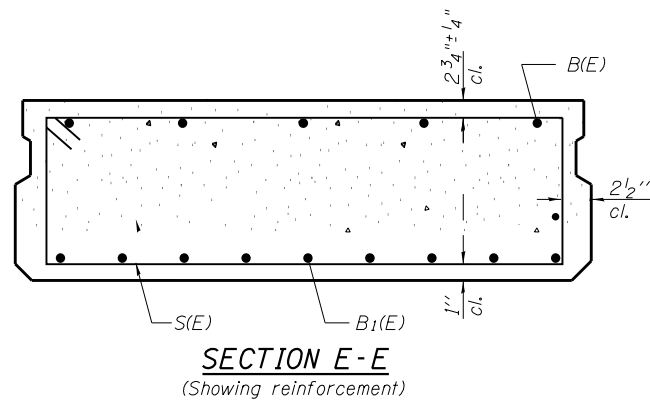
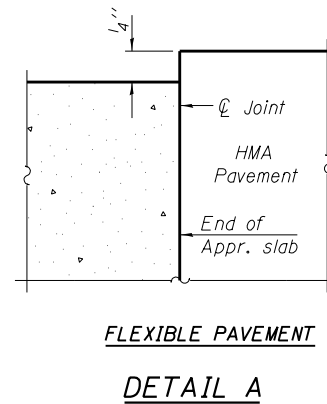
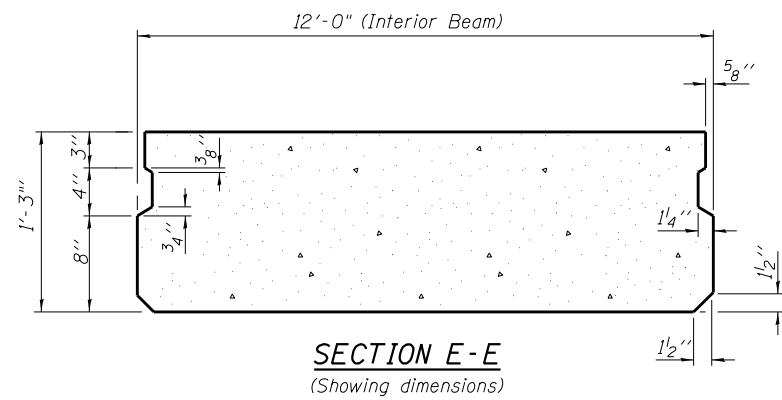
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

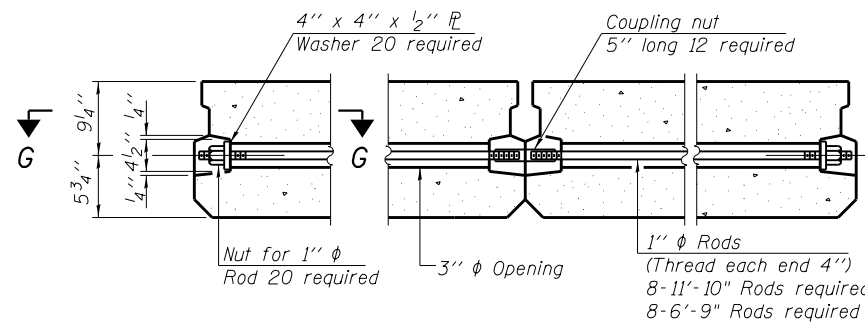
FULL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 046-0152

SCALE: N/A SHEET NO. 18 OF 30 SHEETS STA. TO STA.

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 38
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

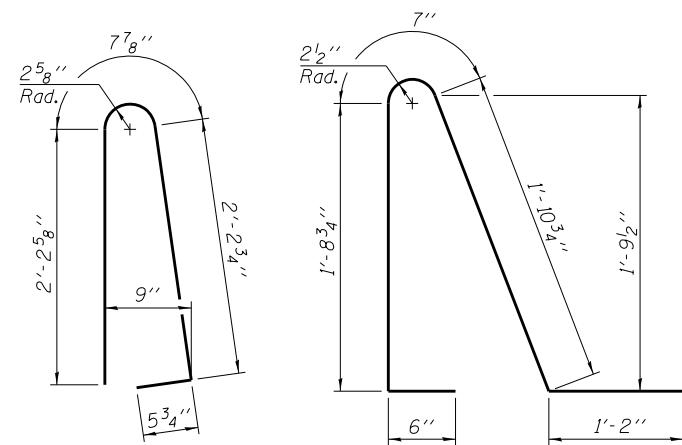


Note:
Exterior beam has key on Interior Face only.
Key dimensions are similar to those shown for Interior beams.



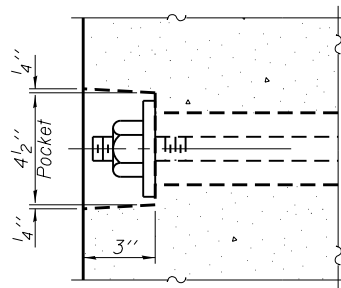
TYPICAL TRANSVERSE TIE ASSEMBLY

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of approach slab shall be filled with high strength quick setting grout after transverse tie assembly is in place.

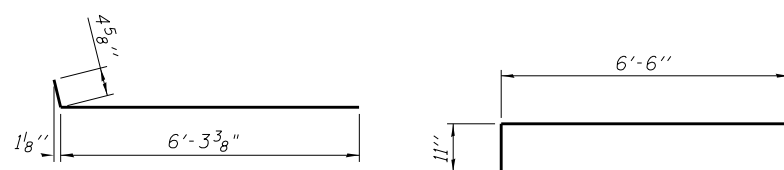


BAR D1(E)

BAR D2(E)

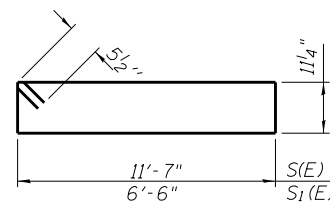


SECTION G-G



BAR A4(E)

BAR A5(E)



BARS S(E) & S1(E)

Notes:

The Full Depth Precast Bridge Approach Slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Full Depth Precast Bridge Approach Slab. Cost includes Reinforcement Bars (Epoxy Coated), Transverse Tie Assemblies, fabric adjusting shims, bearing pads, dowel rods, preformed joint seal, and grout.

Cast-in-place substitution or Precast Bridge Approach Slab substitution for Full Depth, Precast Bridge Approach Slab is not allowed.

Approach footing shall be paid for as Precast Bridge Approach Footing. Cost includes Reinforcement Bars (Epoxy Coated), and excavation for the footing.

The top surface of Full Depth Precast Bridge Approach Slabs shall be roughened to a depth of 1/4" according to the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."

The top surface of the Precast Bridge Approach Footing shall be textured with a broom finish according to the IDOT "Manual for Fabrication of Precast Concrete Products."

After Full Depth Precast Bridge Approach Slab has been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with high strength quick setting grout to top of precast slab.

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" ϕ lifting pins shall be used to engage the lifting loops during handling.

For additional parapet details, see sheet 14 of 30.

The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 1' for installation purposes.

Compressive strength of precast concrete, $f'c$, shall be 6000 psi. Compressive strength of precast concrete prior to initial lifting, $f'ci$, shall be 5000 psi.

Compressive strength of high strength quick setting grout shall be 3500 psi minimum prior to allowing traffic on the approaches.

The Precast Bridge Approach Footing maximum applied service bearing pressure Q_{max} = 2.0 ksf.

For Backfill for Structures and drainage treatment details, see sheet 2 of 30.

**TWO APPROACHES
BILL OF MATERIAL**

Full Depth Precast Bridge Approach Slab	Sq. Ft.	2,310
Precast Bridge Approach Footing	Sq. Ft.	757

**BAR LIST
EACH EXTERIOR BEAM
(For information only)**

Bar	No.	Size	Length	Shape
A4(E)	31	#4	6'-8"	—
A5(E)	15	#4	7'-5"	—
B(E)	8	#5	29'-8"	—
B1(E)	16	#9	29'-8"	—
B3(E)	3	#4	14'-8"	—
D(E)	17	#5	5'-7"	—
D2(E)	17	#5	5'-11"	—
E10(E)	8	#4	14'-8"	—
E11(E)	1	#8	14'-8"	—
S1(E)	60	#5	15'-10"	—

**BAR LIST
EACH INTERIOR BEAM
(For information only)**

Bar	No.	Size	Length	Shape
B(E)	13	#5	29'-8"	—
B1(E)	28	#9	29'-8"	—
S(E)	60	#5	26'-0"	—

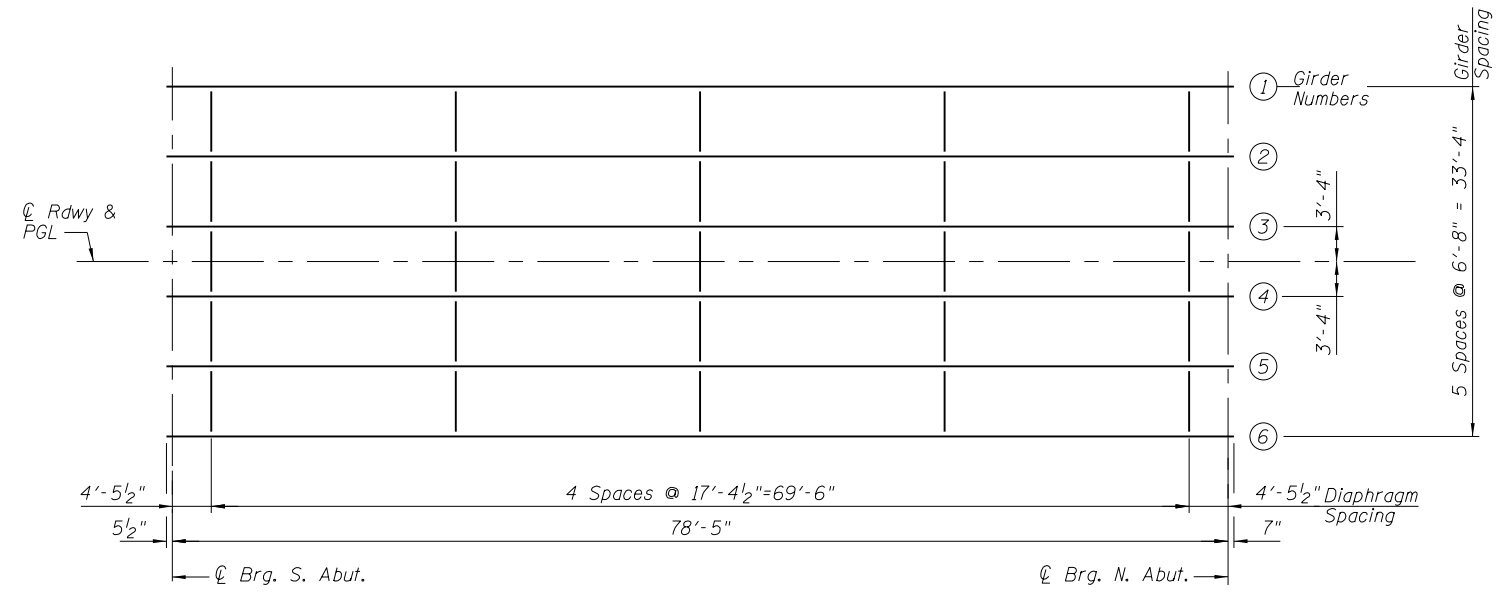
**BAR LIST
EACH APPROACH FOOTING
(For information only)**

Bar	No.	Size	Length	Shape
T(E)	78	#4	9'-8"	—
W(E)	20	#5	37'-6"	—
W1(E)	20	#8	37'-6"	—

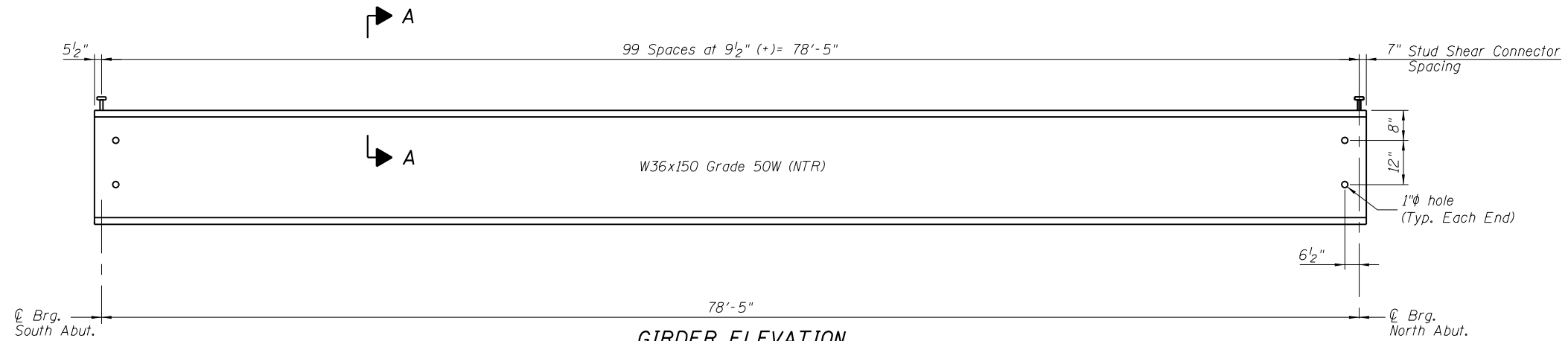
(Sheet 4 of 4)

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F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 39
CONTRACT NO. 66B67				ILLINOIS FED. AID PROJECT

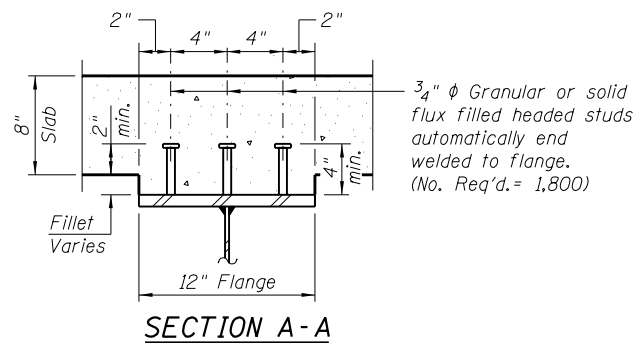


FRAMING PLAN



GIRDER ELEVATION

Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.



SECTION A-A

TOP OF GIRDER ELEVATIONS

(For Fabrication Only)

Girder	℄ Brg. S. Abut.	℄ Brg. N. Abut.
1	622.68	622.79
2	622.80	622.92
3	622.90	623.02
4	622.90	623.02
5	622.80	622.92
6	622.68	622.79

Notes:

All dimensions are horizontal.

Work this sheet with Sheet 21 of 30.

All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.

FILE NAME = P:\2015\0656 - DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0556-04 (Phase II IL 115 over for Creek)\Bridge\CAD\Sheet Files\dgn\036667-520-FramingPlan.dgn



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FRAMING PLAN STRUCTURE NO.046-0152	
SCALE: N/A	SHEET NO. 20 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	40
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

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INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp. 1
I_s	(in ⁴)	9040
$I_c(n)$	(in ⁴)	23,516
$I_c(3n)$	(in ⁴)	17,109
$I_c(cr)$	(in ⁴)	-
S_s	(in ³)	504
$S_c(n)$	(in ³)	732
$S_c(3n)$	(in ³)	658
$S_c(cr)$	(in ³)	-
DC1	(k/')	0.878
M _{DC1}	('k)	675
DC2	(k/')	.150
M _{DC2}	('k)	115
DW	(k/')	0.300
M _{DW}	('k)	231
LLDF		.579
$M_L + IM$	('k)	1,156
M_u (Strength I)	('k)	3,357
$\phi_r M_n$	('k)	3,745
f_s DC1	(ksi)	16.1
f_s DC2	(ksi)	2.1
f_s DW	(ksi)	4.2
f_s (\pm IM)	(ksi)	19.0
f_s (Service II)	(ksi)	47.1
$0.95R_n F_y f$	(ksi)	47.5
f_s (Total)(Strength I)	(ksi)	-
$\phi_r F_n$	(ksi)	-
V _r	(k)	24.9

GIRDER REACTION TABLE		
	Abument	
	Interior	Exterior
LLDF	.719	.527
OCF	-	1.0
R _{DC1}	(k) 34.4	32.8
R _{DC2}	(k) 5.9	5.9
R _{DW}	(k) 11.8	11.8
R _L	(k) 63.4	46.5
R _{IM}	(k) 15.3	11.1
R _{Total}	(k) 130.8	108.1

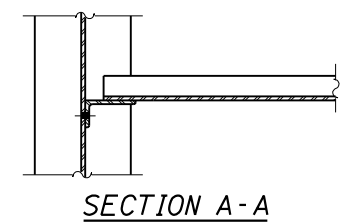
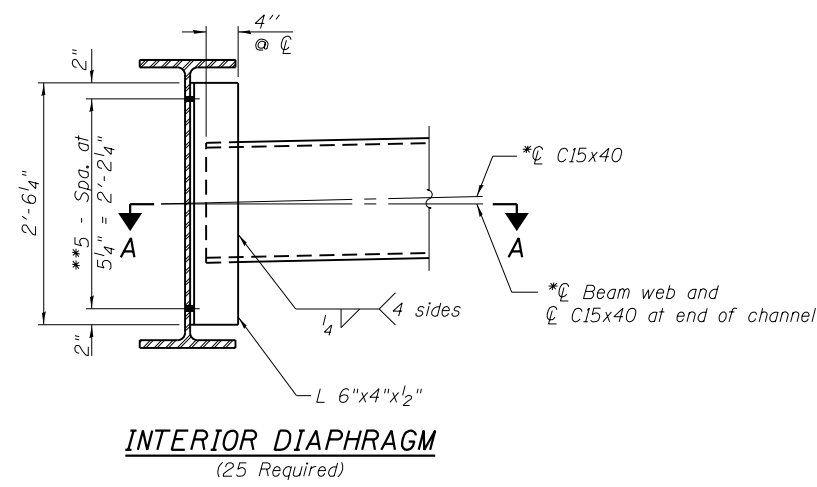
I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in_4 and in_3).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in_4 and in_3).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in_4 and in_3).

$I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in_4 and in_3).

DC1: Un-factored non-composite dead load (kips/ft.).
 M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
 DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 LLDF: Live load distribution factor computed according to Article 4.6.2.2.
 $M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
 M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_L + IM$
 $\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
 f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_{nc}
 f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.
 f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.
 f_s (\pm IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 $M_L + IM / S_c(n)$ or $M_L + IM / S_c(cr)$ as applicable.
 f_s (Service II): Sum of stresses as computed below (ksi).
 $f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (\pm IM)$
 $0.95R_n F_y f$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
 f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
 $1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (\pm IM)$
 $\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
 V_r: Maximum factored shear range in span computed according to Article 6.10.10.



INTERIOR DIAPHRAGM
(25 Required)

Notes:
 Two hardened washers required for each set of oversized holes.
 *Alternate channels C15X50 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.
 The alternate, if utilized, shall be provided at no additional cost to the Department.
 ** 3/4" HS bolts, 5/16" holes.
 All structural steel shall conform to the requirements of AASHTO M270 Grade 50W.



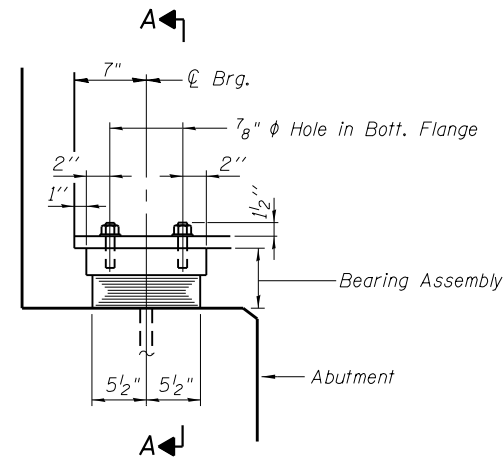
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 046-0152

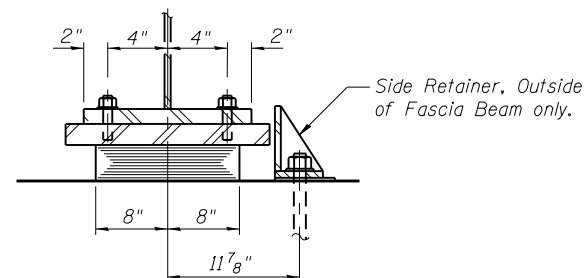
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



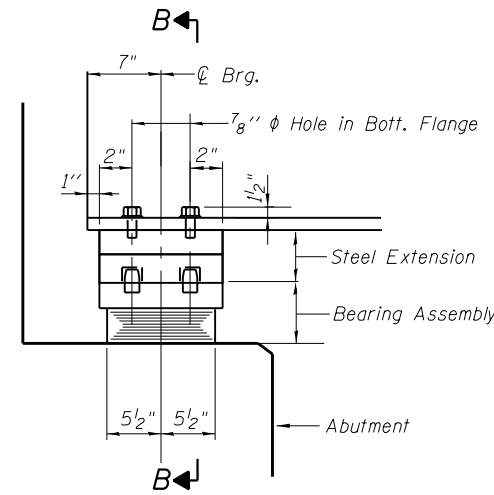
ELEVATION

**TYPE I ELASTOMERIC EXP. BRG.
AT BEAMS 1 & 6**



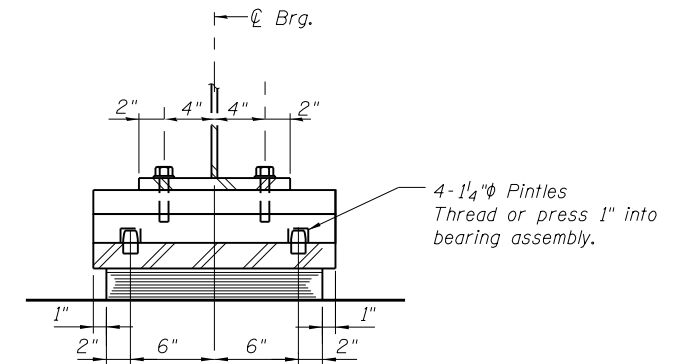
SECTION A-A

4- 1 1/2" x 18" Anchor bolts (F-1554 Grade 55) with 3"x3"x5/16" PL washer under nut

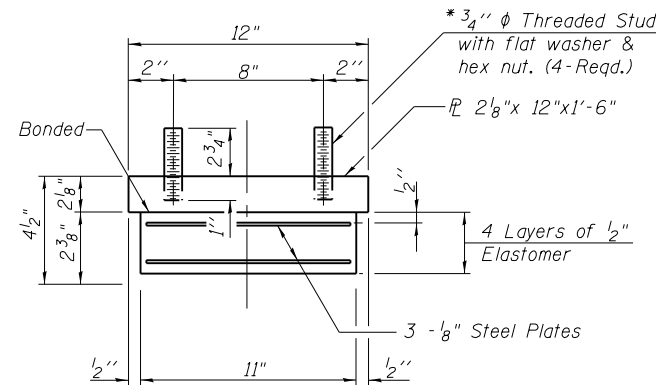


ELEVATION

**TYPE I ELASTOMERIC EXP. BRG.
AT BEAMS 2 THRU 5**

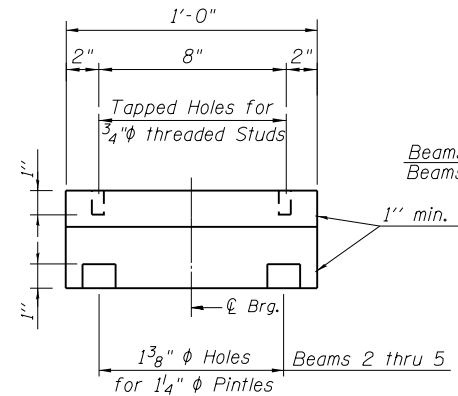


SECTION B-B

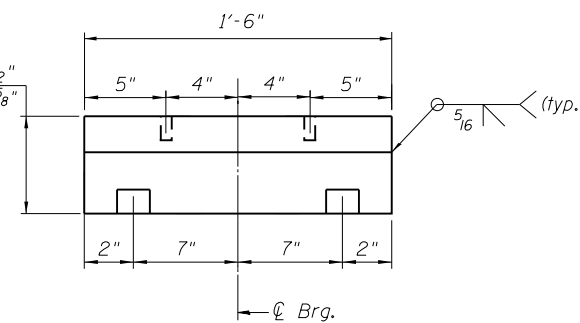


BEARING ASSEMBLY @ GIRDERS 1 & 2

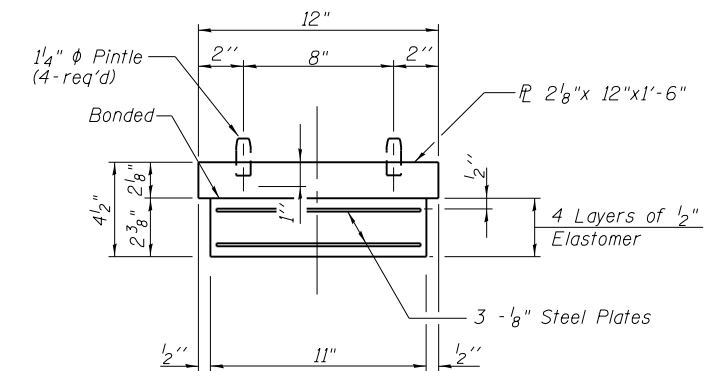
Note: Shim plates shall not be placed under Bearing Assembly.



ELEVATION STEEL EXTENSION



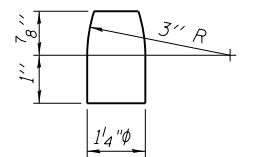
END VIEW STEEL EXTENSION



BEARING ASSEMBLY @ GIRDERS 2 THRU 5

Note: Shim plates shall not be placed under Bearing Assembly.

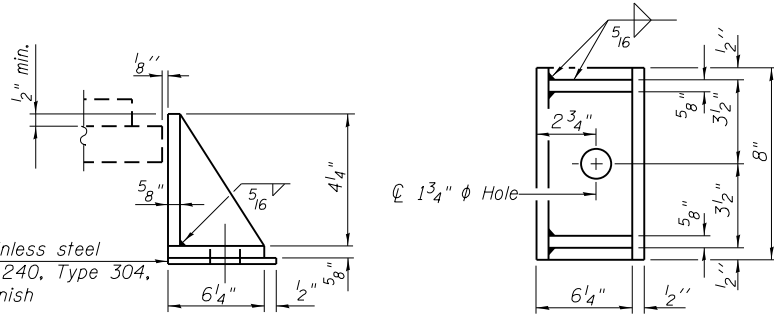
Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Structural steel plates of the Bearing Assembly shall conform to the AASHTO M270 Grade 50W.
The steel plates of the extension, the pintles and the retainer angles shall conform to AASHTO M270 Grade 50W.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Anchor bolts shall be cast in the abutment precast concrete cap.



PINTLE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Anchor Bolts, 1 1/2"	Each	2



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

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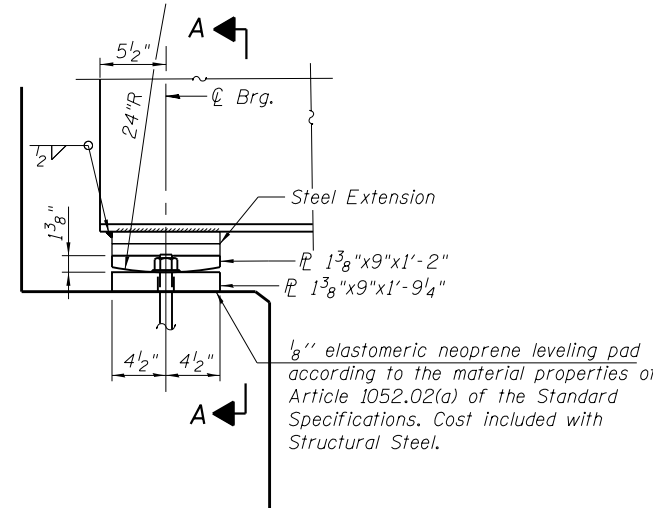
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT
BEARING DETAILS
STRUCTURE NO .046-0152**

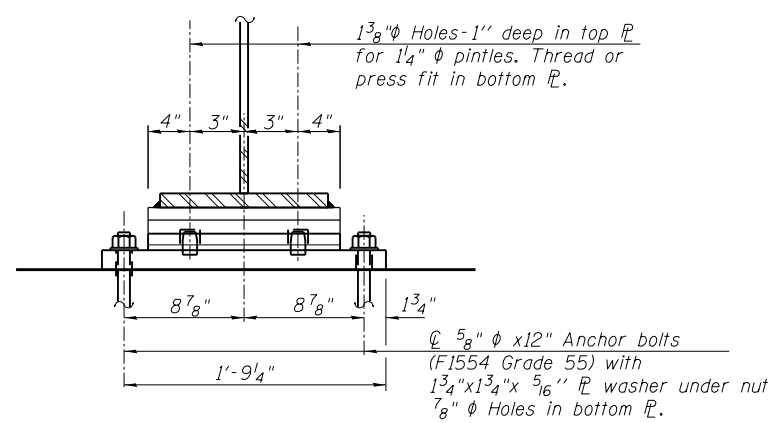
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

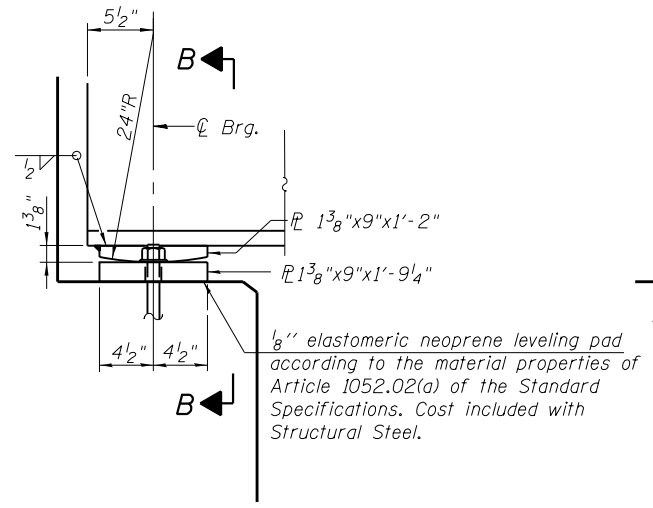
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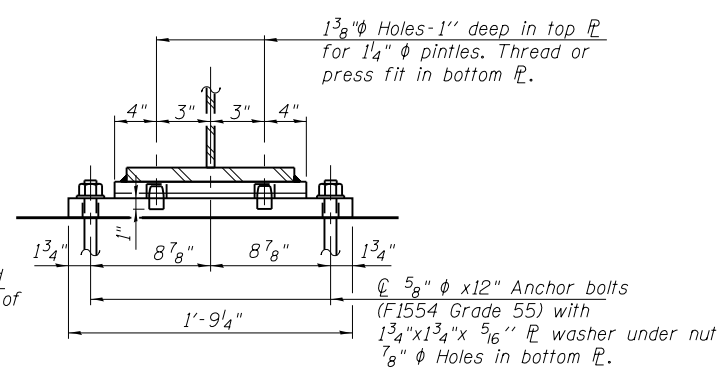
ELEVATION WITH STEEL EXTENSION



SECTION A-A

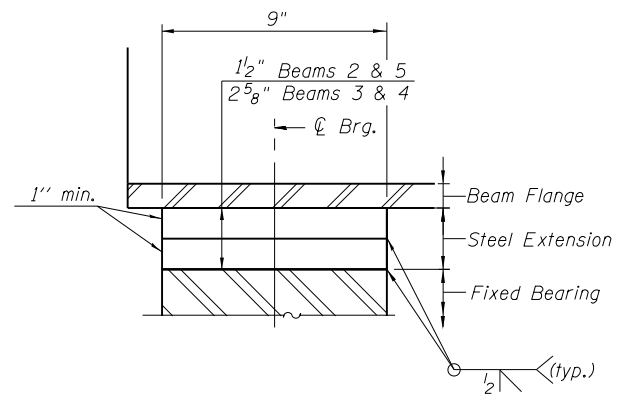


ELEVATION

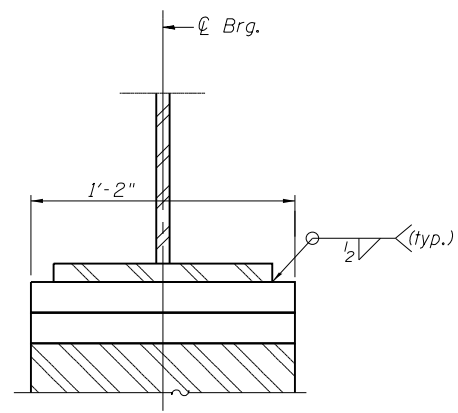


SECTION B-B

FIXED BEARING AT BEAMS 2 THRU 5

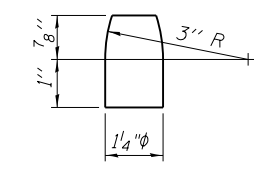


ELEVATION STEEL EXTENSION



END VIEW STEEL EXTENSION

FIXED BEARING AT BEAMS 1 AND 6



PINTLE

Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
 Anchor bolts shall be cast in the abutment precast concrete cap.
 Structural steel plates (including extension plates) and pintles shall conform to the AASHTO M270 Grade 50W.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, $\frac{5}{8}''$	Each	12



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	DRAWN - TCS	REVISED -
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PLOT DATE = 12/7/2016	DATE -	REVISED -

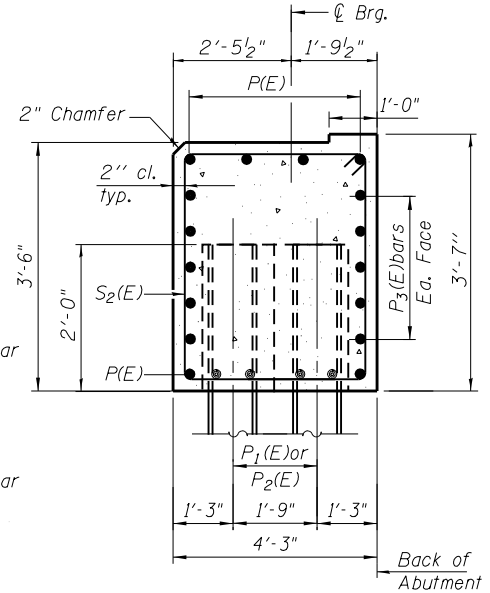
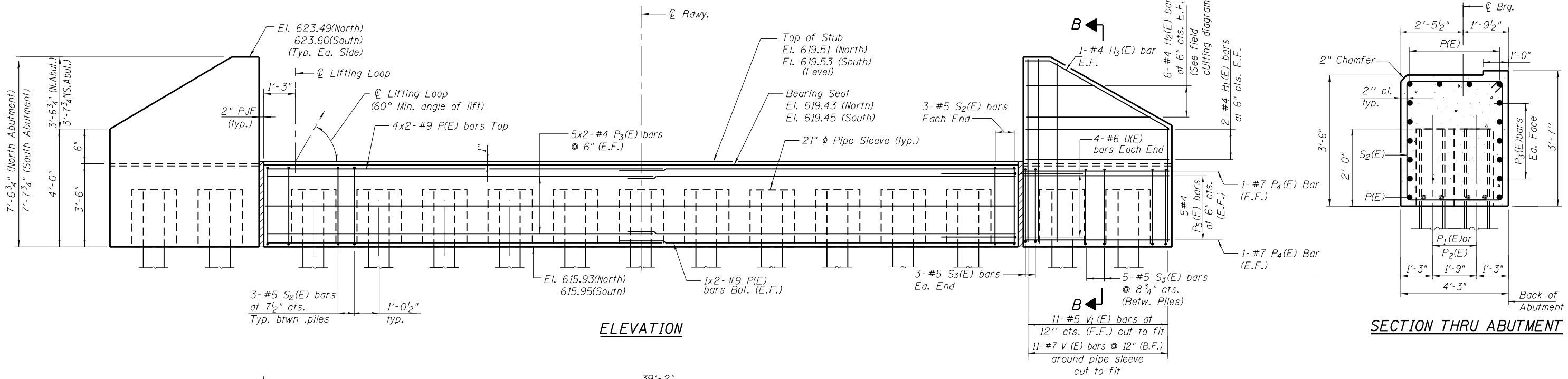
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
BEARING DETAILS
STRUCTURE NO. 046-0152

SCALE: N/A SHEET NO. 23 OF 30 SHEETS STA. TO STA.

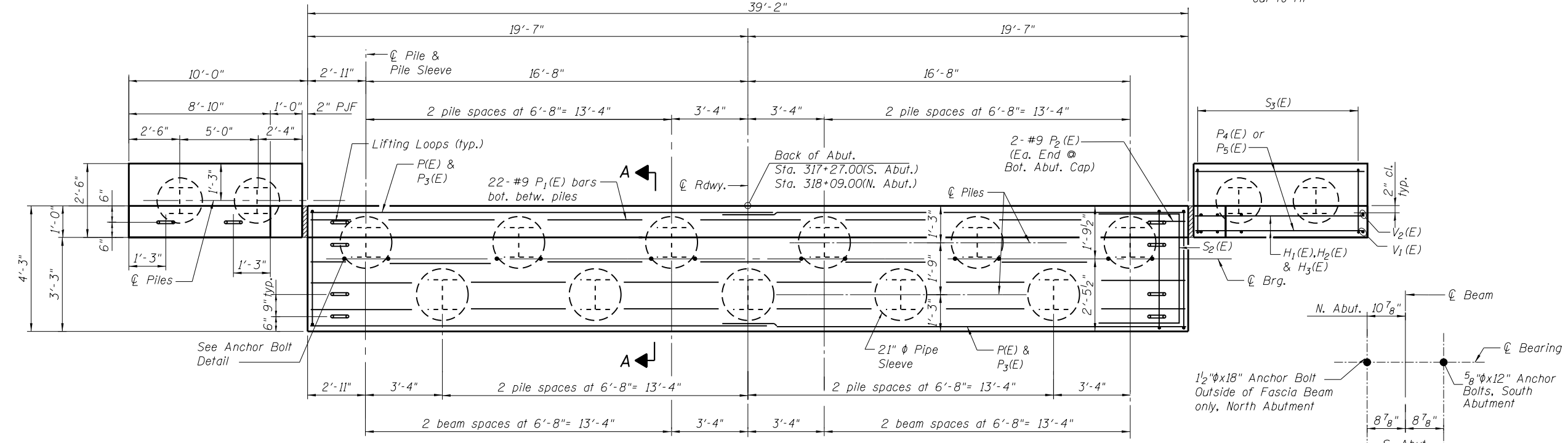
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	43
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TSL) IL 115 over Gar Creek PTB 145(B)BRIDGE Plans\Drawn\036667-524-Abutment.dgn



ELEVATION

SECTION THRU ABUTMENT



BAR LIST

SOUTHEAST, NORTHEAST, & NORTHWEST WINGWALL
(FOR INFORMATION ONLY)

Bar	No.	Size	Length	Shape
H ₁ (E)	4	#4	9'-6"	—
H ₂ (E)	6	#4	10'-6"	—
H ₃ (E)	2	#4	10'-0"	—
P ₄ (E)	4	#7	9'-6"	—
P ₅ (E)	10	#4	9'-6"	—
S ₃ (E)	11	#5	11'-5"	□
V ₁ (E)	11	#5	7'-2"	—
V ₂ (E)	11	#7	7'-2"	—

BAR LIST

EACH CONCRETE CAP
(FOR INFORMATION ONLY)

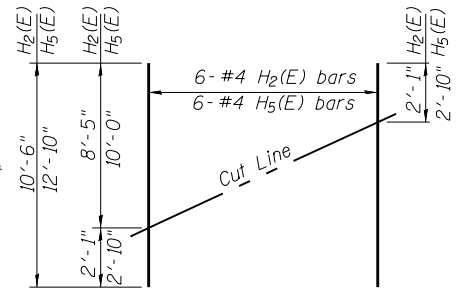
Bar	No.	Size	Length	Shape
P(E)	12	#9	22'-0"	—
P ₁ (E)	22	#9	4'-9"	—
P ₂ (E)	4	#9	1'-8"	—
P ₃ (E)	20	#4	20'-9"	—
S ₂ (E)	36	#5	15'-1"	□
U(E)	8	#6	11'-5"	—

**TWO ABUTMENTS
BILL OF MATERIAL**

Structure	Excavation	Cu. Yd.	344
Furnishing Steel Piles	HP10x57	Foot	480
Driving Piles		Foot	480
Piles Shoes		Each	30
Precast Concrete Caps		Each	2
Precast Wingwall		Each	4

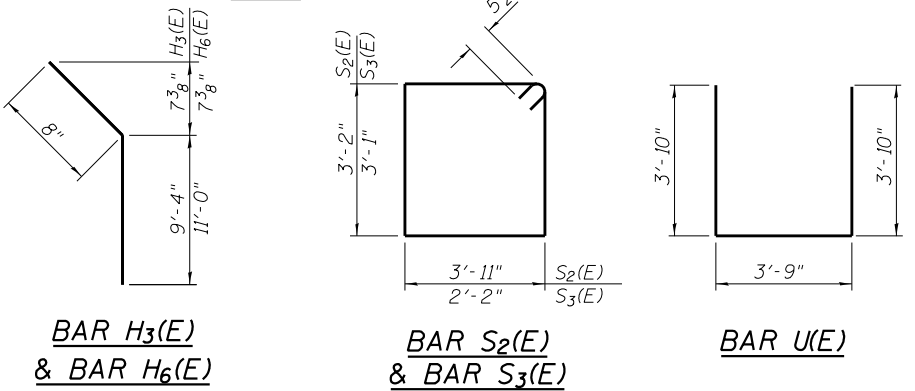
PILE DATA

Type: HP10x57 with Pile Shoes
Nominal Required Bearing: 454^k
Factored Resistance Available: 250^k
Est. Length: 16'
No. Production Piles: 15 per Abutment
No. Test Piles: 0



Order H₂(E) full length. Cut as shown and use remainder of bars in opposite face.

PLAN



ANCHOR BOLT DETAIL

Note:
Cost of Reinforcement Bars (Epoxy Coated), Grout, and Pipe Sleeves included with Precast Concrete Caps and Precast Wingwall.
For details of piles see sheet 26 of 30.
For Lifting Loop details, See Sheet 18 of 30.
All lifting loops shall be recessed 1/2". After placement of cap, loop shall be removed to top of recess. Recess shall be filled with high strength quick setting grout to top of precast cap.
Anchor bolts to be cast in precast concrete cap. See sheet 25 for details of southwest wingwall, Section A-A and Section B-B.



USER NAME = vsorca	DESIGNED - LAS	REVISED -
PLOT SCALE = 0:2.0000 1' = 1/4"	DRAWN - TCS	REVISED -
PLOT DATE = 1/30/2017	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH AND SOUTH ABUTMENT DETAILS 1
STRUCTURE NO. 046-0152

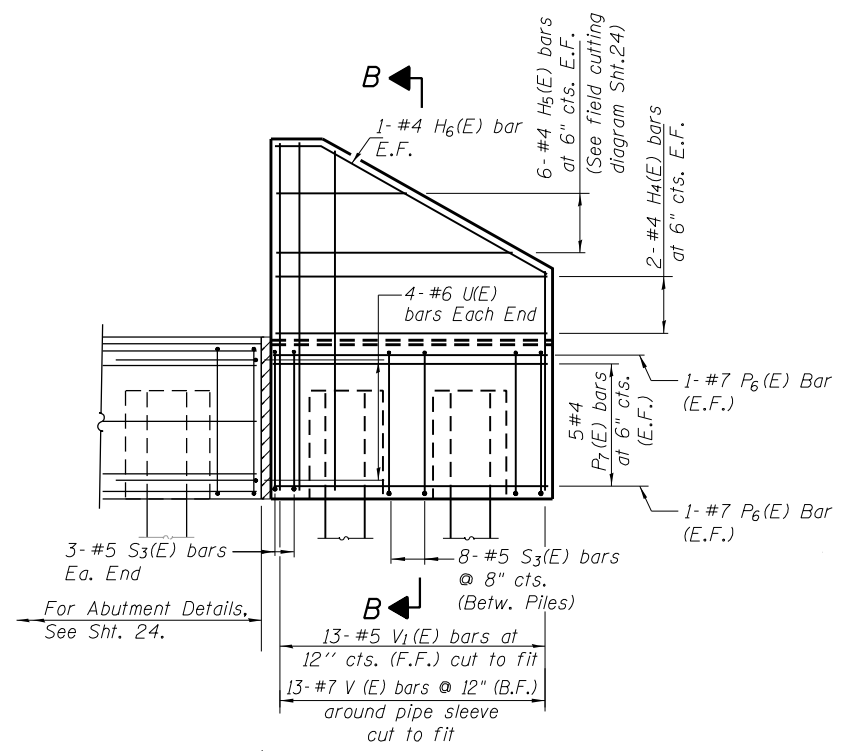
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F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 44
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

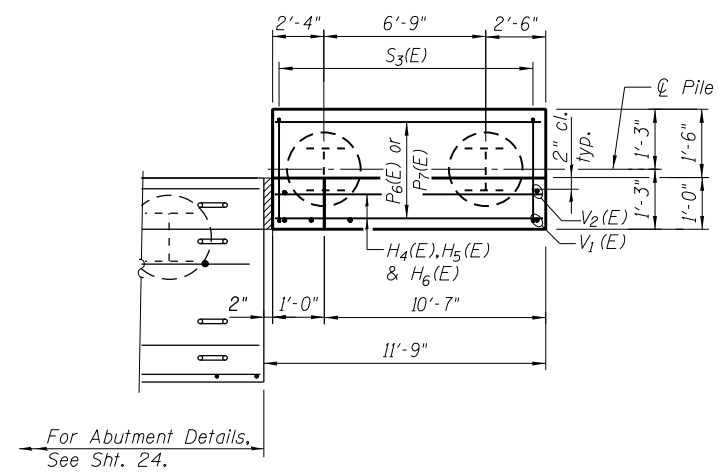
BAR LIST
SOUTHWEST WINGWALL

(FOR INFORMATION ONLY)

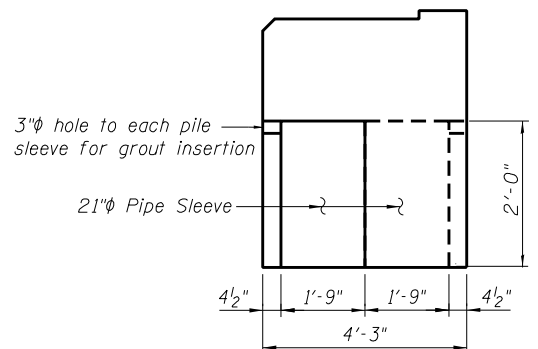
Bar	No.	Size	Length	Shape
H ₄ (E)	4	#4	11'-5"	—
H ₅ (E)	6	#4	12'-10"	—
H ₆ (E)	2	#4	11'-8"	—
P ₆ (E)	4	#7	11'-5"	—
P ₇ (E)	10	#4	11'-5"	—
S ₃ (E)	14	#5	11'-5"	□
V ₁ (E)	13	#5	7'-2"	—
V ₂ (E)	13	#7	7'-2"	—



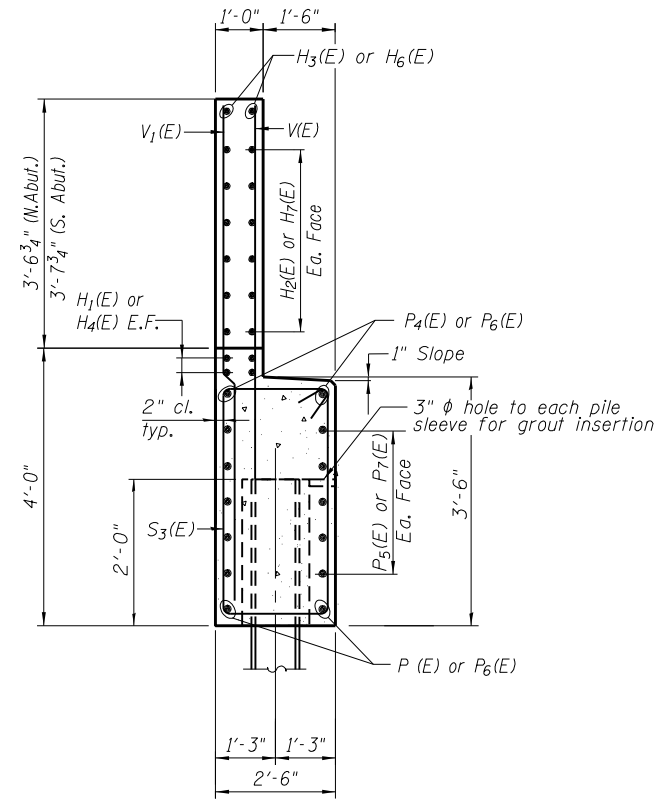
SOUTHWEST WINGWALL ELEVATION



SOUTHWEST WINGWALL PLAN



SECTION A-A
(Showing Pipe Sleeve)



SECTION B-B

FILE NAME = P:\2015\0656 -DOT D3 Various Phase II (PTB 145-18) M012 13 & 14\0556-04 (Phase II IL 115 over Gov Creek)\Bridge\CADD\Sheet Files.dgn\0366867-521(a)-Abutment.dgn



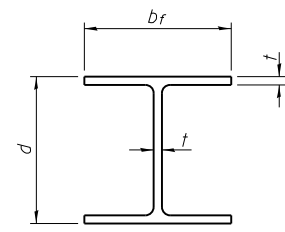
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DRAWN - TCS	REVISED -	
PLOT SCALE = 0:2.0000 1' = 1/4"	CHECKED - DAZ	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH AND SOUTH ABUTMENT DETAILS 2
STRUCTURE NO. 046-0152

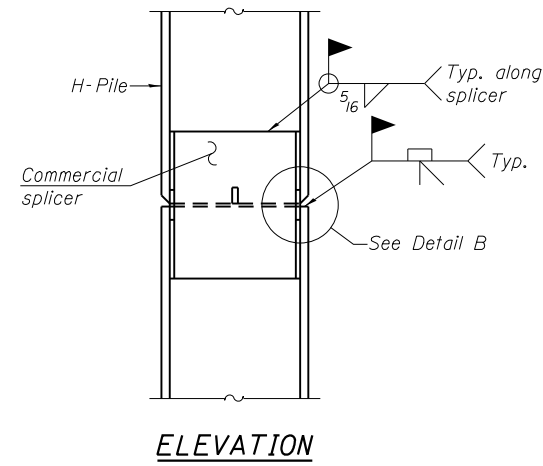
SCALE: N/A SHEET NO. 25 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	45
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

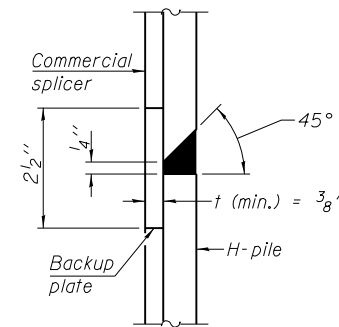


STEEL PILE TABLE

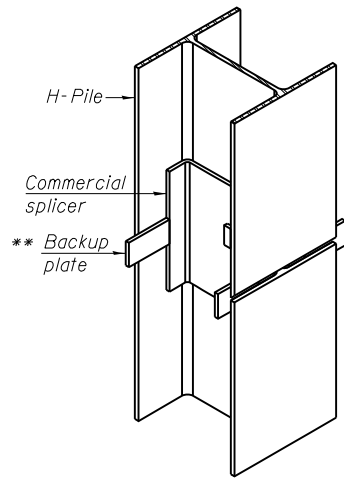
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

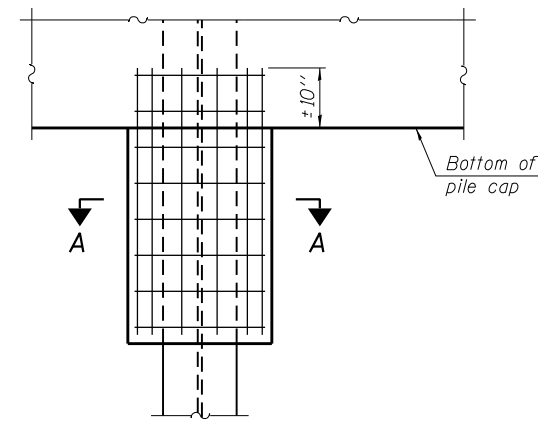


DETAIL "B"



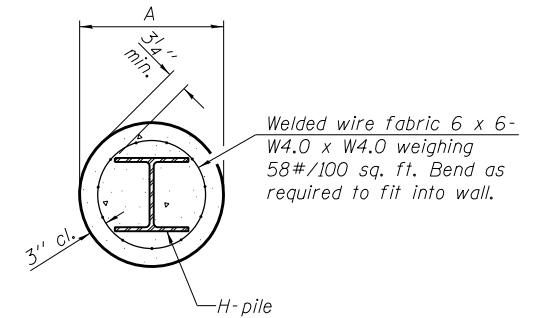
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



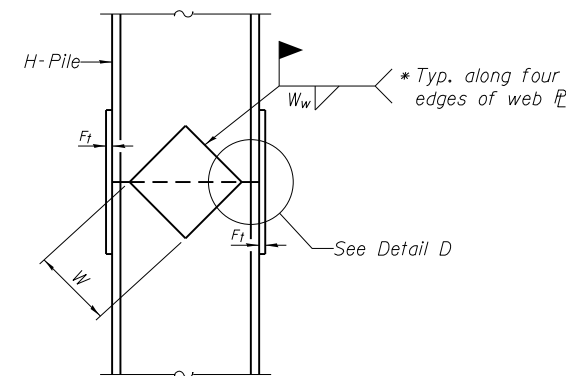
ELEVATION

PILE ENCASEMENT

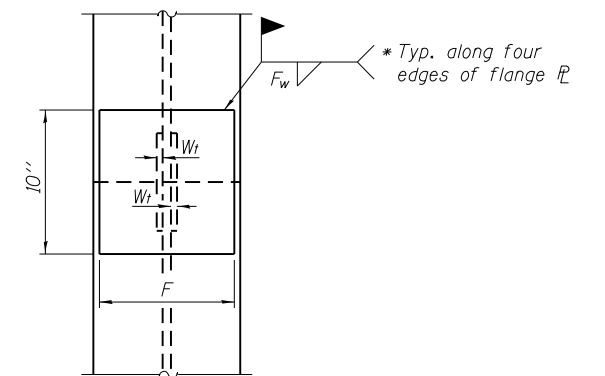


SECTION A-A

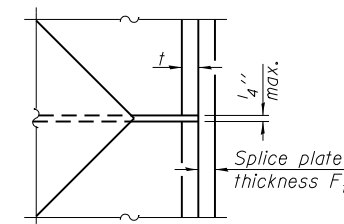
Note:
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW



DETAIL D

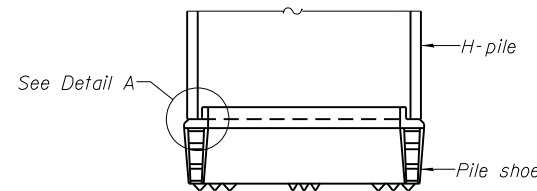
WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

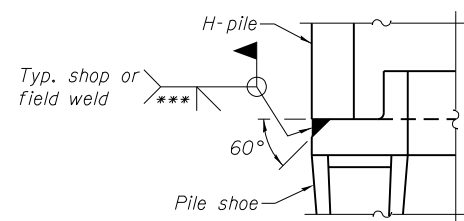
WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

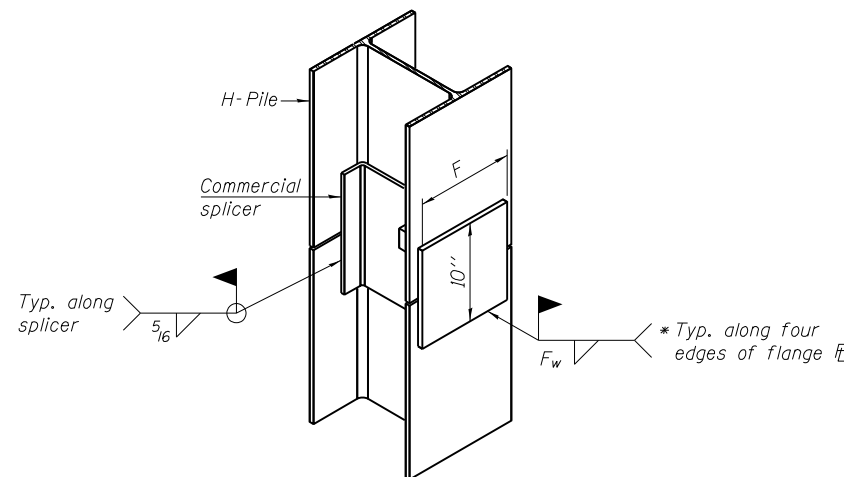


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

BORING LOG 1978-01

BORING LOG 1978-02



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/6/78

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee LOGGED BY G. Legan

SECTION (39C) 1-BR LOCATION SW 1/4, SEC. 12, TWP. 30N, RNG. 14W, 2nd PM, Latitude, Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO.	Station	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
046-0107 (Prop.)	317+68	(ft)	(/6")	(tsf)	(%)	609.88	ft		ft	ft	ft
		621.28									
		619.28	1	.5	0.7						
		616.78	4	5	0.9						
		610.78	36	64/11"							
		609.28	6	7	1.2						
		605.78	12	17							
		603.36	20	100/5"							

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

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/7/78

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee LOGGED BY G. Legan

SECTION (39C) 1-BR LOCATION NW 1/4, SEC. 12, TWP. 30N, RNG. 14W, 2nd PM, Latitude, Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO.	Station	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
046-0107 (Prop.)	317+68	(ft)	(/6")	(tsf)	(%)	609.88	ft		ft	ft	ft
		619.48	1	1	0.4						
		617.48	2	3	0.2						
		614.98	3	3							
		609.98	6	5	0.5						
		606.48	10	10	1.0						
		606.48	7	17	P						
		604.23	15	7	2.0						
		604.23	17	17	P						
		604.23	64/10"								
		604.23	100/3"								

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

BBS, form 137 (Rev. 8-99)

FILE NAME = P:\2015\0656 - DDT 03 Various Phase II (FTB 145-18) M012 13 & 14\0556-04 (Phase II) IL 115 over Gar Creek\Bridges\CAD\Sheet Files\dgn\0366867-526-BoringLogs-1.dgn
Default



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PLOT SCALE = 2.00 "/td> <td>CHECKED - DAZ</td> <td>REVISED -</td>	CHECKED - DAZ	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1	
STRUCTURE NO. 046-0152	
SCALE: N/A	SHEET NO. 27 OF 30 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	47
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

BORING LOG 2015-01

BORING LOG 2015-02



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee
SECTION (39C) 1-BR LOCATION NE 1/4, SEC. 11, TWP. 30N, RNG. 14W, 2nd PM.
COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

Table with 5 main columns: Description, Depth (ft), Blows (6" / (ft)), UCS (tsf), Moisture (%). Includes data points such as 'Augered Brown Shoulder Stone, Sandy Clay, Sand Fill' at 620.49 ft and 'White Limestone Surface' at 605.49 ft.

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



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee
SECTION (39C) 1-BR LOCATION SE 1/4, SEC. 11, TWP. 30N, RNG. 14W, 2nd PM.
COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

Table with 5 main columns: Description, Depth (ft), Blows (6" / (ft)), UCS (tsf), Moisture (%). Includes data points such as 'Augered Shoulder Stone, Black Silty Clay Loam, Brown Sandy Clay Loam, Brown Sand Fill' at 620.50 ft and 'Hard Limestone Surface' at 604.00 ft.

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

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (FTB 145-18) M012 13 & 14\0656-04 (Phase II IL 115 over Gar Creek)\Bridge\CAD\Sheet Files-dgn\0366667-527-BoringLogs-2.dgn



Table with 4 columns: USER NAME, DESIGNED, DRAWN, CHECKED, PLOT SCALE, PLOT DATE, REVISED, DATE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 2
STRUCTURE NO. 046-0152
SCALE: N/A SHEET NO. 28 OF 30 SHEETS STA. TO STA.

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. CONTRACT NO. 66B67

BORING LOG 2015-03



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 3/31/15

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee LOGGED BY Larry Myers

SECTION (39C) 1-BR LOCATION NW 1/4, SEC. 12, TWP. 30N, RNG. 14W, 2nd PM, Latitude 41.098393, Longitude -87.906891

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0107 (Exist.)
Station 317+68
BORING NO. 03 (N.E. Quad.)
Station 318+20
Offset 55.0 ft Rt.
Ground Surface Elev. 621.77 ft

Surface Water Elev. 608.35 ft
Stream Bed Elev. 607.41 ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion 606.8 ft
After Hrs. ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
619.27				Augered Brown Silty Clay Loam Fill
612.27	2			Loose Brown & Gray Fine to Medium Sand with some Silty Layers
	3		13	
	2			
				Medium Brown & Gray Fine to Medium Sand - clean with Minor Silt Layers
	3		8	
	2			
	3			
	4			
	5		15	
	5			
612.27				Medium Brown & Gray Fine to Medium Sand - clean with Minor Silt Layers
	5		21	
	6			
	6			
609.77				Dense Brown Fine Sand to Coarse Gravel
	17		9	
	19			
	8			
608.27				Very Stiff Gray Silty Clay Loam Till with Heavy Limestone Gravel Pieces
	25		10	
	55			
	100/3			
605.27				Gray Limestone End of Boring

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

BORING LOG 2015-04



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/1/15

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee LOGGED BY Larry Myers

SECTION (39C) 1-BR LOCATION SW 1/4, SEC. 12, TWP. 30N, RNG. 14W, 2nd PM, Latitude 41.098103, Longitude -87.907026

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0107 (Exist.)
Station 317+68
BORING NO. 04 (S.E. Quad.)
Station 317+12
Offset 14.0 ft Rt.
Ground Surface Elev. 623.11 ft

Surface Water Elev. 608.35 ft
Stream Bed Elev. 607.41 ft
Groundwater Elev.:
First Encounter 605.6 ft
Upon Completion 607.1 ft
After Hrs. ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
602.61				Augered Shoulder Stone, Brown Sandy Clay Loam Fill, Sand Fill
620.61				Loose Brown & Gray Fine to Medium Sand with some Silty Layers
	2		11	
	2			
				Medium Brown & Gray Fine to Medium Sand - clean with some Silt Layers
	4		12	
	4			
	4			
	6			
	5		12	
	6			
613.61				Medium Brown & Gray Fine to Medium Sand - clean with some Silt Layers
	11		17	
	14			
	11			
611.11				Dense Fine Sand to Coarse Gravel
	28		8	
	28			
	21			
608.61				Very Stiff Gray Silty Clay Loam / Silty Loam Till with Heavy Limestone Gravel Pieces
	4		11	
	5	3.5		
	6	P		
605.61				Weathered Limestone Surface - Fractured & Weathered
	8		14	
	26			
	28			

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

FILE NAME = P:\2015\0656 IDOT D3 Various Phase II (FTB 145-18) M012 13 & 14\0656-04 (Phase II IL 115 over Gar Creek)\Bridge\CAD\Sheet Files\dgn\0366867-528-BoringLogs_3.dgn



USER NAME = tsledge	DESIGNED - LAS	REVISED -
DRAWN - TCS	REVISED -	
PLOT SCALE = 2.00" / 1"	CHECKED - DAZ	REVISED -
PLOT DATE = 12/7/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 3
STRUCTURE NO. 046-0152
SCALE: N/A SHEET NO. 29 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	49
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

BORING LOG 2015-05



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/1/15

ROUTE IL 115 (FAU 6188) DESCRIPTION IL 115 over Gar Creek, 2.0 miles Southwest of Kankakee LOGGED BY Larry Myers

SECTION (39C) 1-BR LOCATION NW 1/4, SEC. 12, TWP. 30N, RNG. 14W, 2nd PM,
Latitude 41.098409, Longitude -87.907034

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
Station		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft
<u>046-0107 (Exist.)</u>	<u>Augered Shoulder Stone, Brown Sandy Clay Loam Fill</u>	<u>620.11</u>									
<u>317+68</u>											
<u>05 (N.E. Quad.)</u>	<u>Loose Brown & Gray Fine to Medium Sand with some Silty Layers</u>		<u>3</u>								
<u>318+24</u>			<u>4</u>		<u>15</u>						
<u>15.0 ft Rt.</u>			<u>3</u>								
<u>622.61</u>			<u>-5</u>								
			<u>2</u>								
			<u>2</u>		<u>17</u>						
			<u>3</u>								
			<u>2</u>								
<u>613.11</u>			<u>3</u>		<u>12</u>						
			<u>3</u>								
<u>610.11</u>	<u>Medium Brown & Gray Fine to Coarse Sand - clean with minor Silt Layers</u>		<u>-10</u>								
			<u>9</u>								
			<u>11</u>		<u>14</u>						
			<u>14</u>								
<u>610.11</u>	<u>Medium Brown & Gray Fine Sand to Coarse Gravel</u>		<u>6</u>								
			<u>9</u>		<u>10</u>						
			<u>14</u>								
<u>607.61</u>			<u>-15</u>								
			<u>28</u>								
<u>606.61</u>	<u>Weathered & Fractured White Limestone</u>		<u>39</u>		<u>8</u>						
<u>606.36</u>	<u>Dense Limestone Surface</u>		<u>100/3'</u>								
	<u>End of Boring</u>										
			<u>-20</u>								

SOIL BORING 046-0107.GPJ IL DOT.GDT 5/18/15

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

FILE NAME = P:\2015\0656 - IDOT D3 Various Phase II (PTB 145-18) M012 13 & 14\0556-04 (Phase II) IL 115 over Gar Creek\Bridges\CAD\Sheet Files-dgn\0366867-529-BoringLogs-4.dgn Default

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	PLOT SCALE = <u>2.00 "/u></u>	CHECKED - <u>DAZ</u>	REVISED -
	PLOT DATE = <u>12/7/2016</u>	DATE -	REVISED -

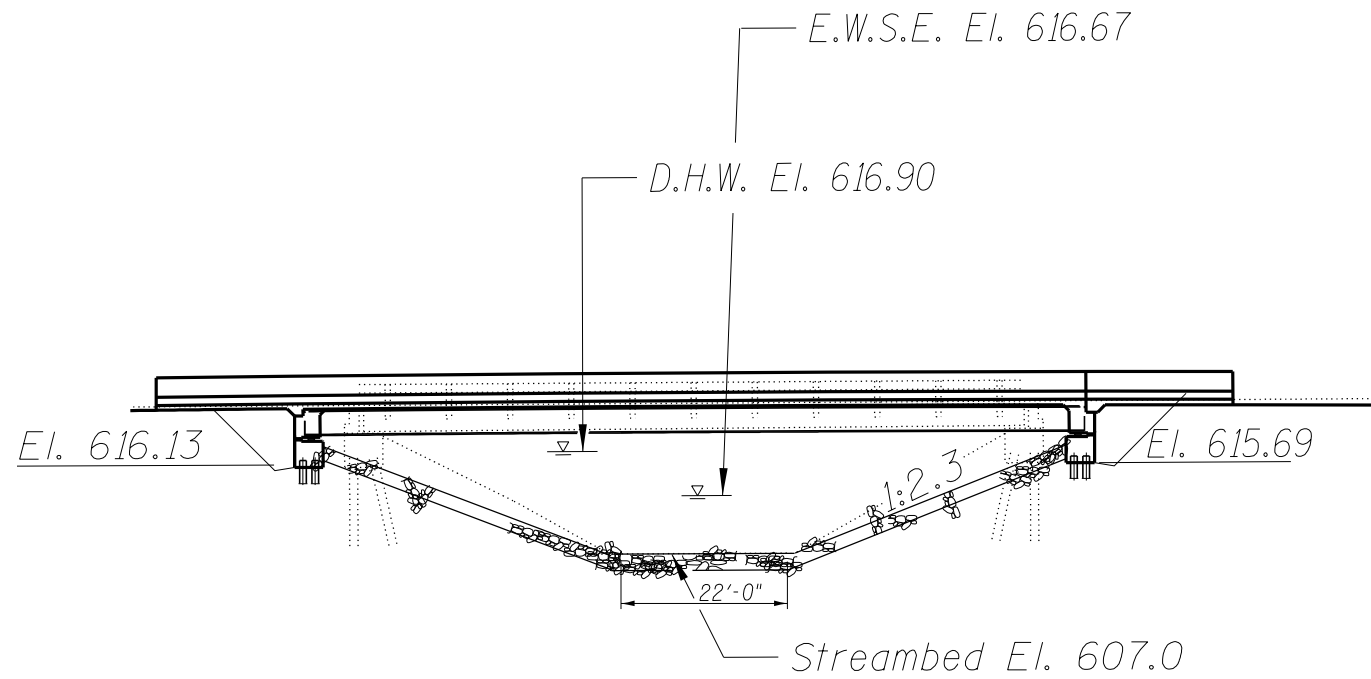
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 4
STRUCTURE NO. 046-0152**

SCALE: N/A SHEET NO. 30 OF 30 SHEETS STA. TO STA.

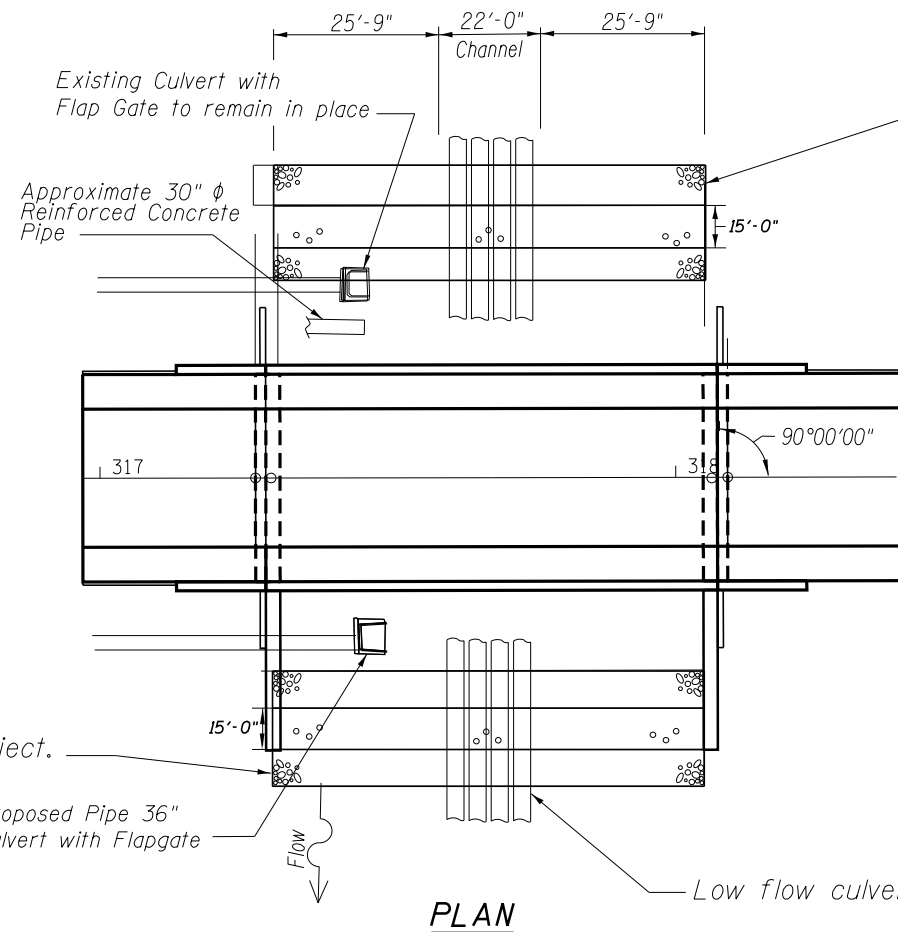
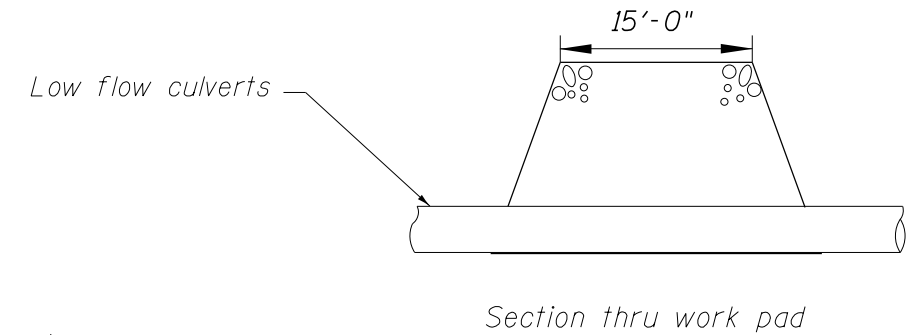
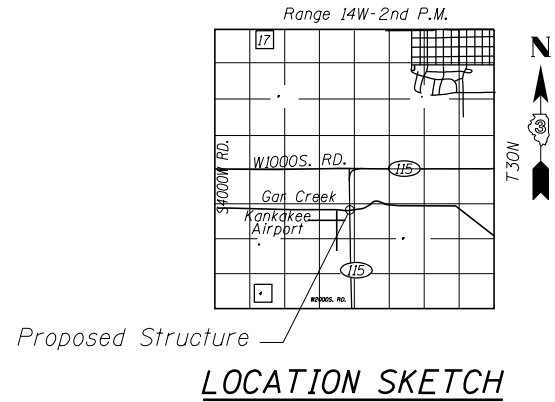
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<u>6188</u>	<u>(39C) 1-BR</u>	<u>KANKAKEE</u>	<u>71</u>	<u>50</u>
			CONTRACT NO. <u>66B67</u>	
ILLINOIS FED. AID PROJECT				

EXHIBIT



ELEVATION

Bk. to Bk. of Abutment



Temporary work pad approximately 49 sq. yds of clean coarse aggregates. To be removed upon completion of project.

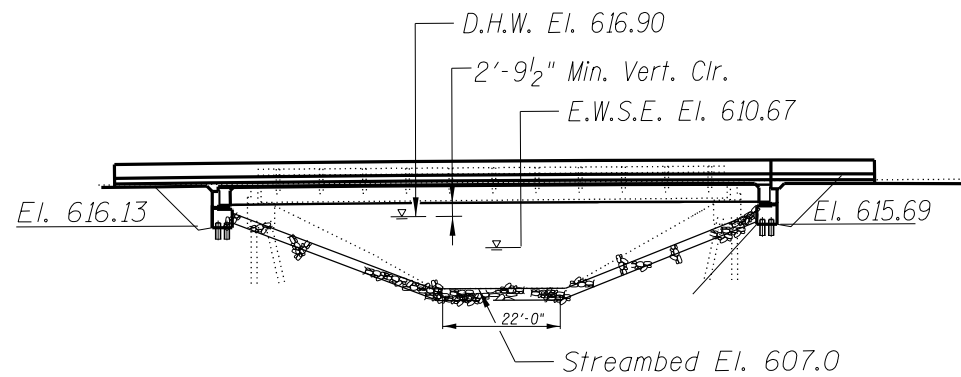
FOR INFORMATION ONLY

GENERAL PLAN
IL. ROUTE 115 OVER GAR CREEK
FAU 6188 (IL 115) SECTION (39C)1-BR
KANKAKEE COUNTY
STA. 317+68.00
EXISTING SN 046-0107
PROPOSED SN 046-0152

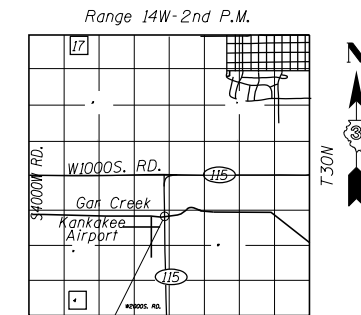
NOT TO SCALE

FILE NAME =	USER NAME = GedyRA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING S.N.046-0107 404 PERMIT CAUSEWAY /WORK PAD DRAWINGS	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366868\Drawings\0366868-1-11-16\0366868-1-11-16.dwg	PLotted	CHECKED -	REVISED -			6188	(39C) 1-BR	KANKAKEE	71	51
Default	PLotted	DATE -	REVISED -			SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 66B67		

EXHIBIT

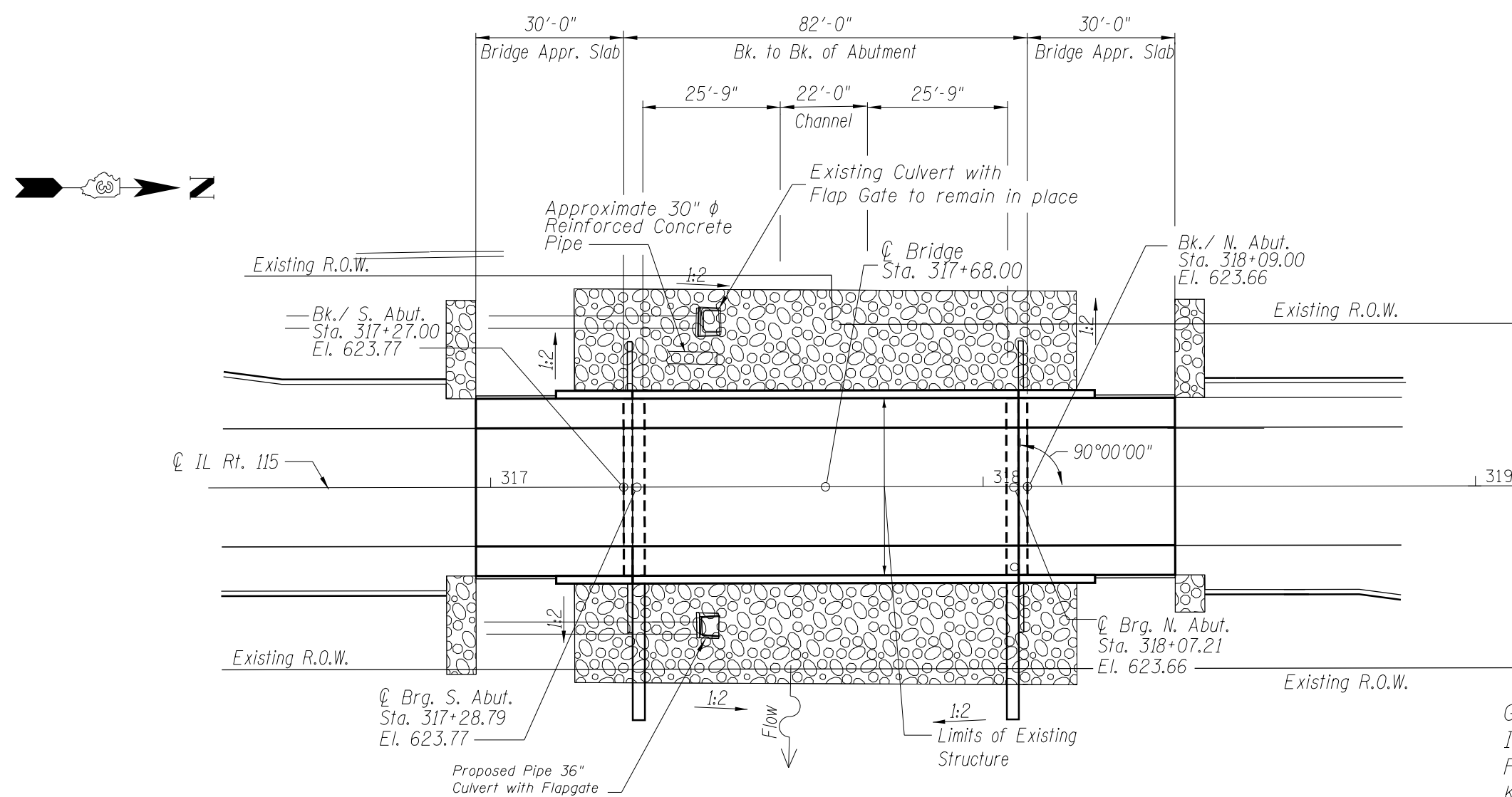


ELEVATION



Proposed Structure
 LOCATION SKETCH

FOR INFORMATION ONLY



PLAN

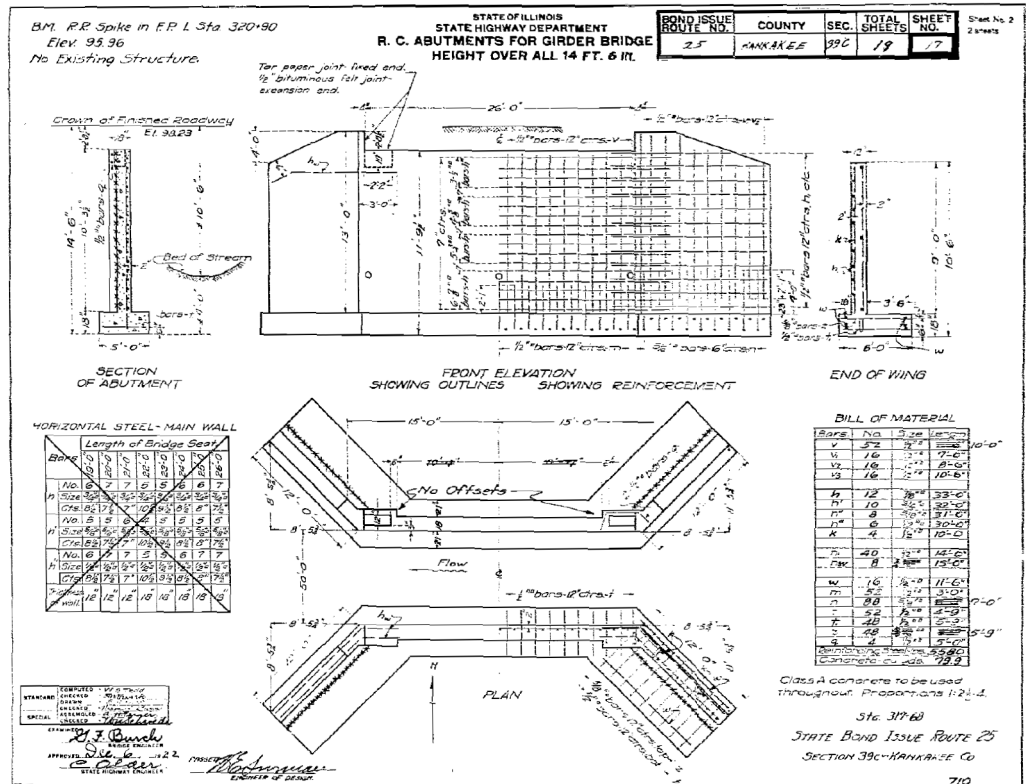
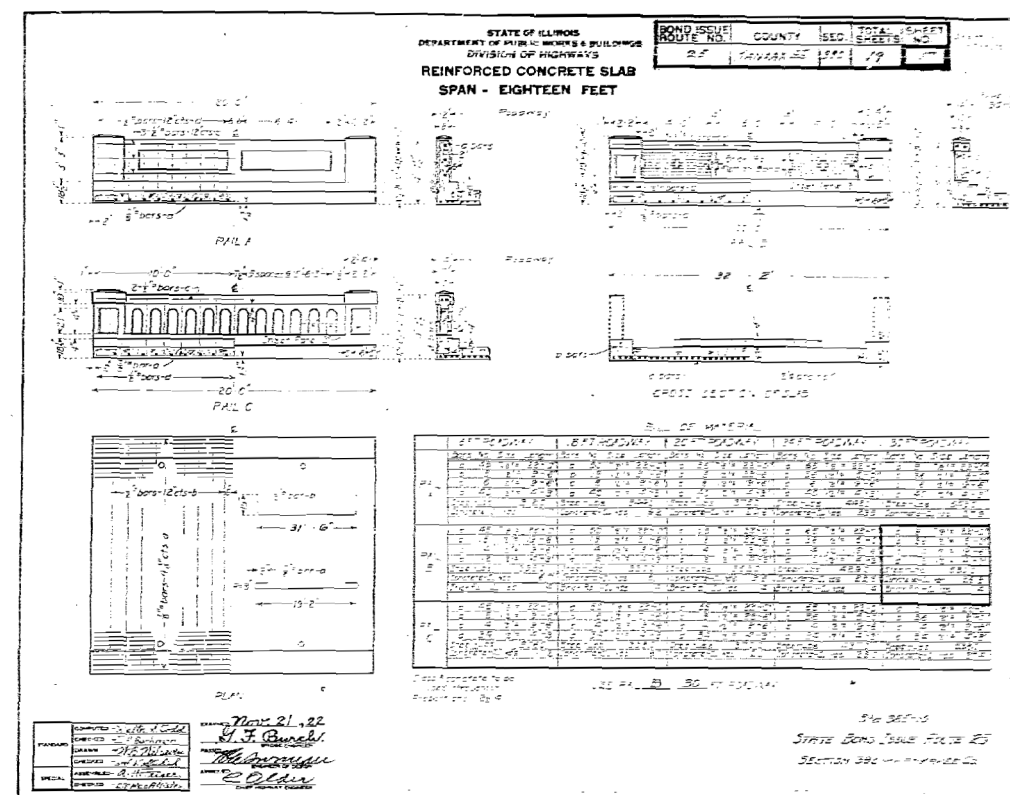
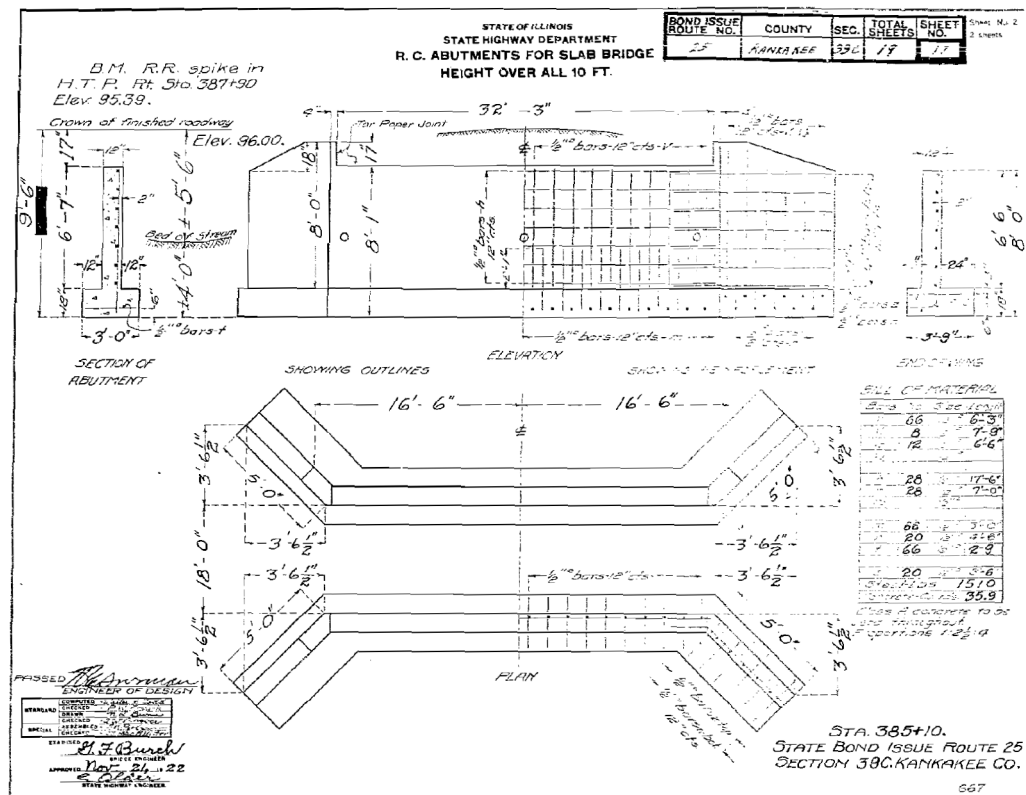
SEE SPECIAL PROVISIONS:
 "TEMPORARY CONSTRUCTION / WATERWAY PERMITS (CORPS OF ENGINEERS)"
 "TEMPORARY CONSTRUCTION / WATERWAY PERMITS (IDNR)"

GENERAL PLAN
 IL. ROUTE 115 OVER GAR CREEK
 FAU 6188 (IL 115) SECTION (39C)1-BR
 KANKAKEE COUNTY
 STA. 317+68.00
 EXISTING SN 046-0107
 PROPOSED SN 046-0152

NOT TO SCALE

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 Date: 12/9/2016

USER NAME = GedyRA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING S.N. 046-0107 404 PERMIT CAUSEWAY /WORK PAD DRAWINGS	F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 52	
PLOT SCALE = 99.5328' / in.	CHECKED -	REVISED -			SCALE	STA.	TO STA.	CONTRACT NO. 66B67		ILLINOIS FED. AID PROJECT
PLOT DATE = 12/9/2016	DATE -	REVISED -								



FOR INFORMATION ONLY



USER NAME = Iboizentus	DESIGNED - LAS	REVISED -
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PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107

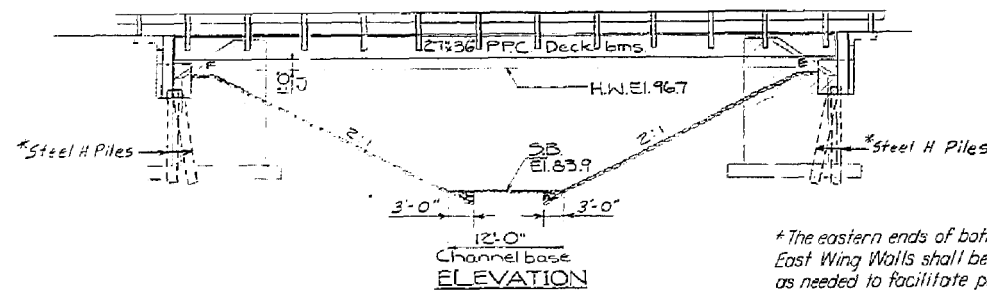
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) I-BR	KANKAKEE	71	53
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1323	39C-BR	KANKAKEE	20	15
SHEET NO. 1 OF 6 SHEETS				

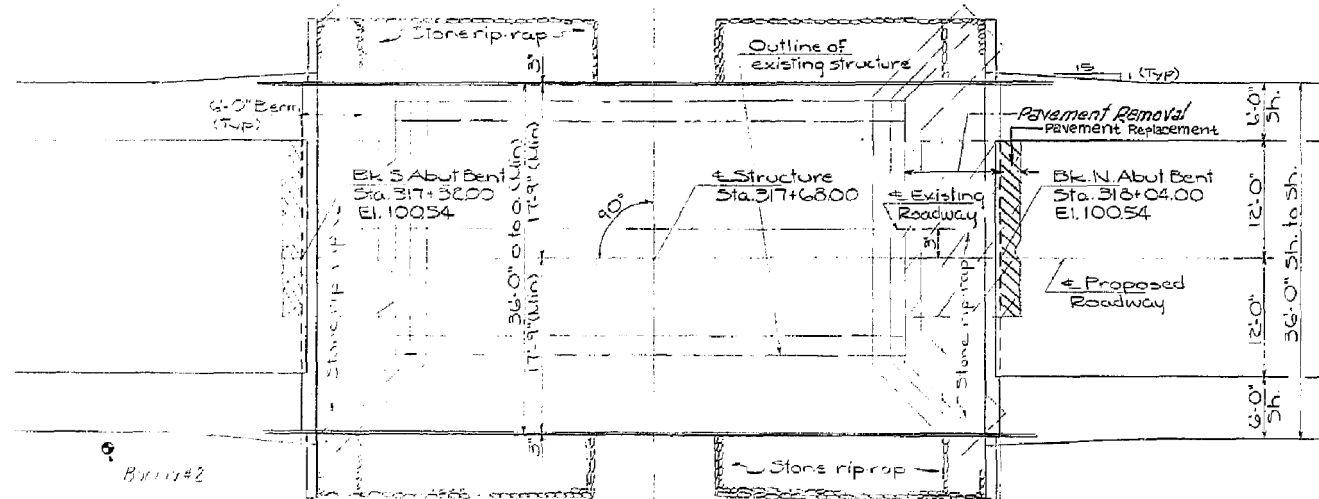
Bench mark BM #1 on N.E. wingwall 15' R1 Sta 317+95 El. 100.00
 Existing structure #046-01071 Built as SBI Rte 25, Sec 39C at Sta 317+60 in 1923
 The existing 53' Simple Span R.C. thru girder, 26' o.c. Superstructure on R.C. closed
 Abutments substructure shall be removed and a new Single Span
 PFC Deck Beams on Pile Bents structure built Traffic will be detoured
 during construction. No salvage.



*The eastern ends of both existing East Wing Walls shall be removed as needed to facilitate pile driving for each new Abutment. See Sheet #3.

GENERAL NOTES

See Proposal for Boring Data.
 All structural steel shall be shop painted with two coats of basic lead silico chromate paint.
 Expansion guards which are not cast in the precast units shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.
 The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.
 Reinforcement bars shall conform to the requirements of AASHTO M31, Grade 60.



STATION 317+68.00
 GAR CREEK DRAINAGE DITCH
 BUILT 1971
 F.A.S. RT. 1323 SEC. 39C - BR
 F.A. PROJ. SR-1323 (103)
 LOADING HS 20
 **STR. NO. _____

NAME PLATE
 See Standard 2113
 **Structure No. to be supplied by District

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Bituminous Concrete Surface Course, Class I	Ton	36		36
Waterproofing Membrane System	Sq. Yd.	285		285
Removal of Existing Structures	Each			1
Precast Prestressed Concrete Deck Beams (27")	Sq. Ft.	2491		2491
Class X Concrete	Cu. Yd.	0.8	44.6	45.4
Structural Steel	Pound	2520		2520
Steel Rolling, Type S	Lin. Ft.	138		138
Reinforcement Bars	Pound	120	3960	4080
Steel Piles HP 8 x 36	Lin. Ft.		252	252
Portland Cement Mortar for Fairing Course	Lin. Ft.	761		761
Name Plates	Each			1
Stone Rip-Rap	Sq. Yd.		329	329
Preformed Joint Sealer (2 1/2")	Lin. Ft.	36		36
Pavement Removal	Sq. Yd.			40
Pavement Replacement	Sq. Yd.			8

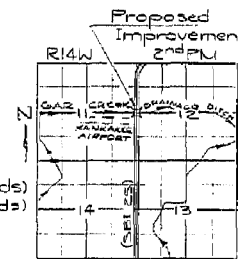
WATERWAY INFORMATION

Drainage Area - 17.5 Sq. Miles
 Existing Opening - 480 Sq. Ft.
 Required Opening - 480 Sq. Ft.
 Proposed Opening - 480 Sq. Ft.
 Created Head for Design Flood - Negligible
 Design Discharge (30Yr) - 1350 cfs
 100 Year Discharge - 1700 cfs
 Created Head for 100Yr Flood - Negligible
 Design High Water El. (30Yr) 96.7
 High Water El. (100Yr) 98.2

DESIGN STRESSES

FIELD UNITS PFC UNITS
 fc = 3,500 psi fc = 5,000 ps
 fy = 60,000 psi (Reinf) fci = 4,000 ps
 fs = 20,000 psi (Struct) fs = 27,000 psi (1/2" Strands)
 fs = 18,900 psi (1/2" Strands)

Design Specifications: 1977 AASHTO and 1978 Interims as applicable.
 Allow 25% Sq. Ft. for future wearing surface

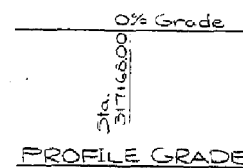


LOCATION SKETCH

GENERAL PLAN & ELEVATION
 SBI 25 OVER GAR CREEK DRAINAGE DITCH
 F.A.S. ROUTE 1323 (S.B.I. ROUTE 25)
 SECTION 39C - BR
 KANKAKEE COUNTY
 STATION 317+6800

DESIGNED: [Signature] 1979
 CHECKED: [Signature]
 DRAWN: AP JS
 EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

PLAN



PROFILE GRADE

DESIGN LOADING HS 20-44

FILE NAME: P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TSL) IL 115 over Gar Creek PTB 145(B)04-CADD\04-Sheet Files\0656-04-Existing Structure.dgn



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
DESIGNED - LAS	DRAWN - TCS	REVISED -
DESIGNED - LAS	CHECKED - DAZ	REVISED -
DESIGNED - LAS	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107

SCALE: N/A SHEET NO. 2 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	54
CONTRACT NO. 66B67				

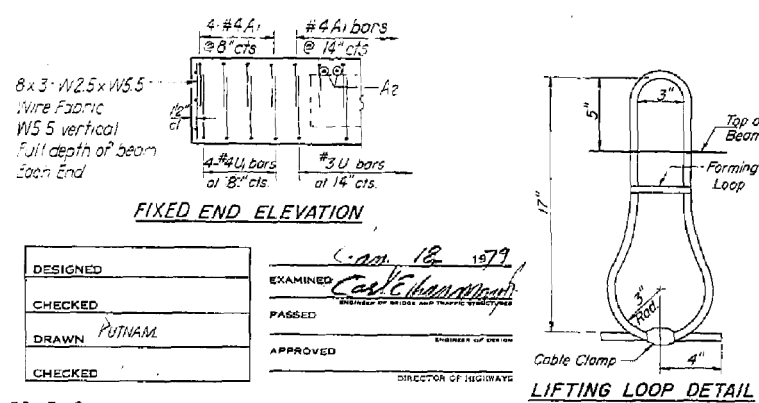
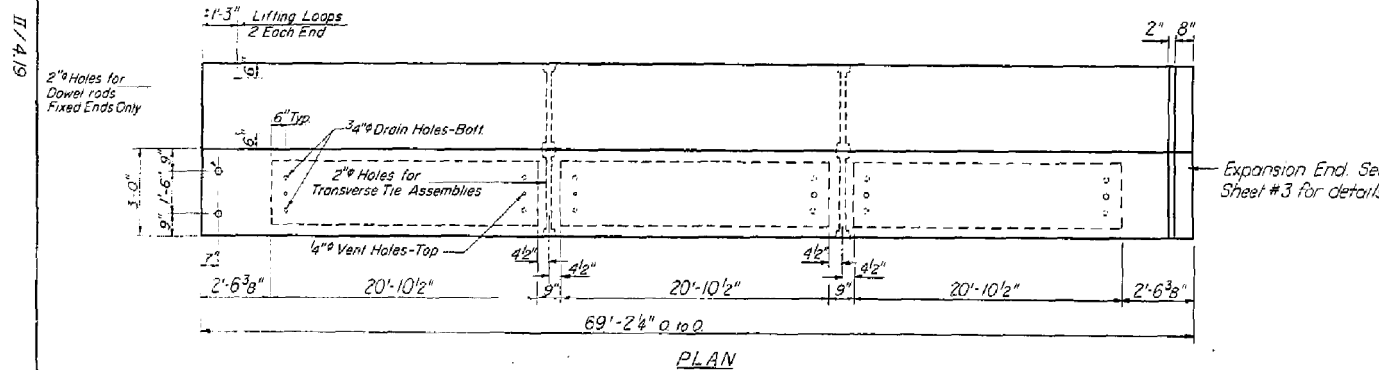
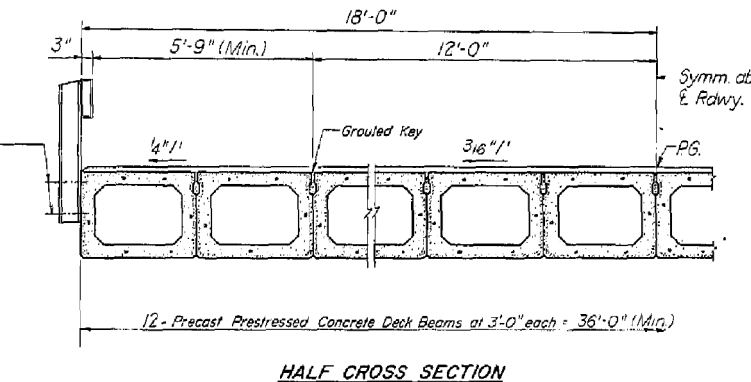
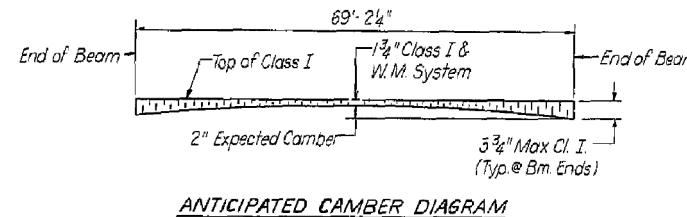
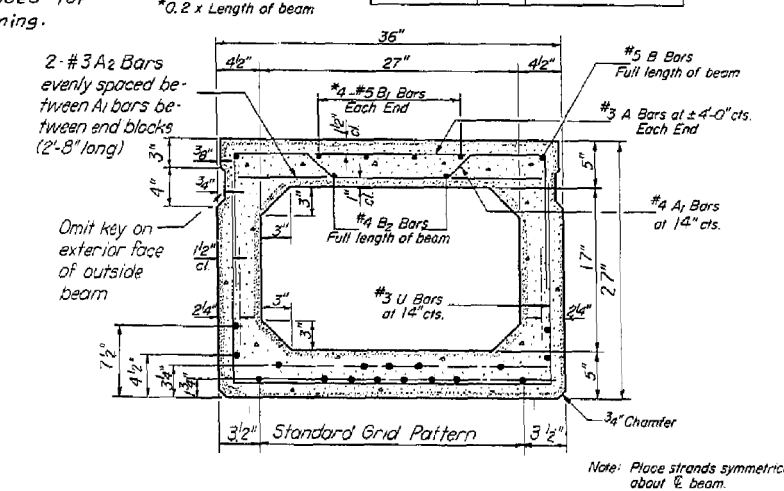
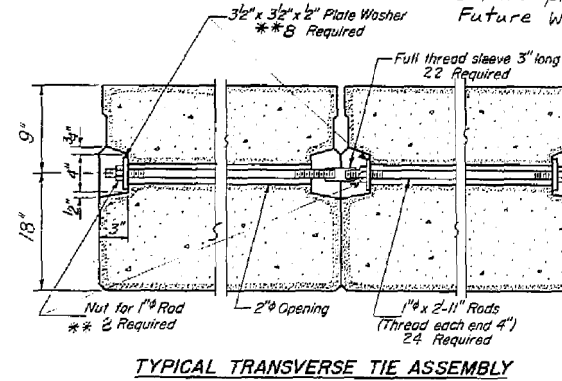
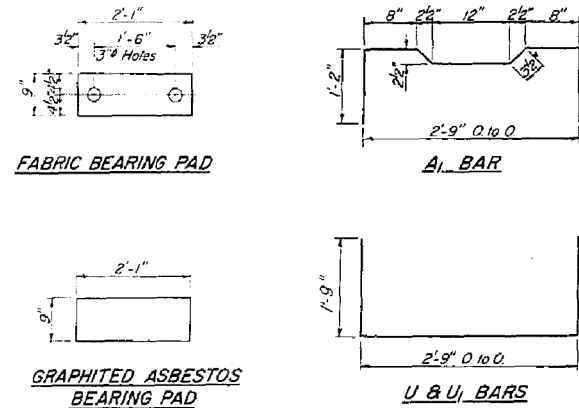
FOR INFORMATION ONLY

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

** 4 Additional Plate Washers & Nuts provided for Future Widening.

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.	SHEET NO.
1-1323	39C-BR	KANKAKEE	20	16	8 SHEETS



DESIGNED	EXAMINED	DATE
CHECKED	<i>Carl Hamman</i>	12-18-79
DRAWN	PASSED	
CHECKED	APPROVED	

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 2" and the nominal cross-sectional area shall be 0.153 sq in. Lifting loops shall be 3/4" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 45,000 lbs. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar. After beams have been erected, holes for the dowel anchors shall be drilled into the sub-structure and the anchor dowels shall be grouted in place. Reinforcement bars shall conform to AASHTO M 31 or M-53, Grade 60. Cast of reinforcement and accessories cast into the beam, of bearing pads, of armor angles, and of grouting longitudinal shear keys is included in unit price bid for "Precast Prestressed Concrete Deck Beams."

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Q	6	#5	19'-0"	
Precast Prestressed Concrete Deck Beams 27" x 36"		Sq. Ft.	2,491	
Class X Concrete		Cu. Yd.	0.8	
Reinforcement Bars		Pound	120	

SUPERSTRUCTURE
F.A.S. ROUTE 1323 (S.B.I. RTE. 25)
SECTION 39C-BR
KANKAKEE COUNTY
STATION 3+7+68.00

PD-3-S 7-15-75

FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TS) IL 115 over Gar Creek PTB 145(B)04-C000\04-Sheet Files\0366667-49-Existing Structure.dgn
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PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107
SCALE: N/A SHEET NO. 3 OF 11 SHEETS STA. TO STA.

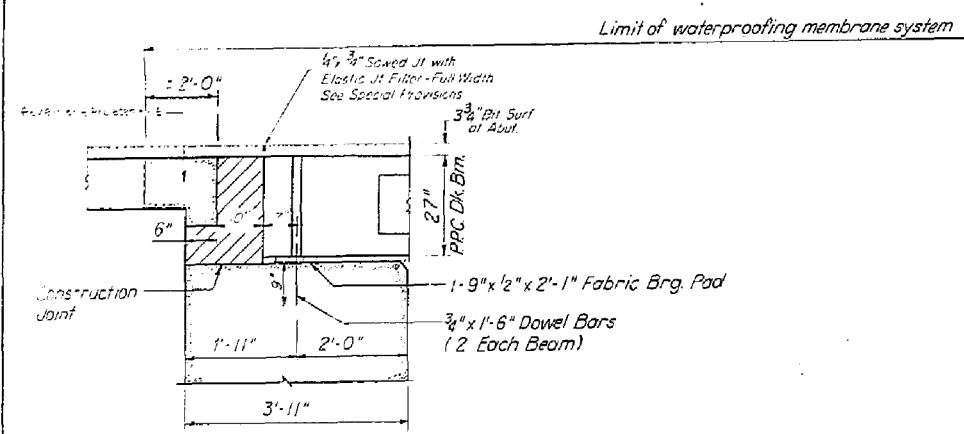
FOR INFORMATION ONLY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	55
CONTRACT NO. 66B67				

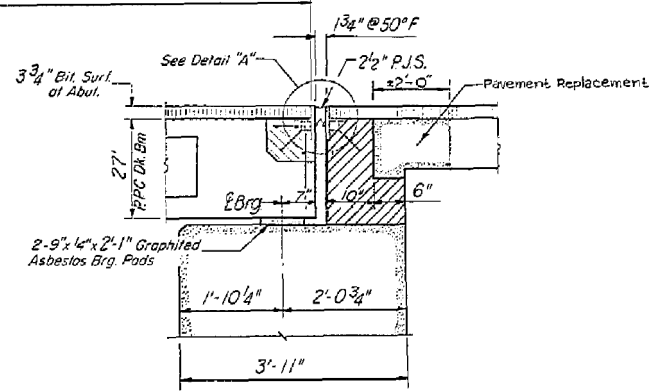
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

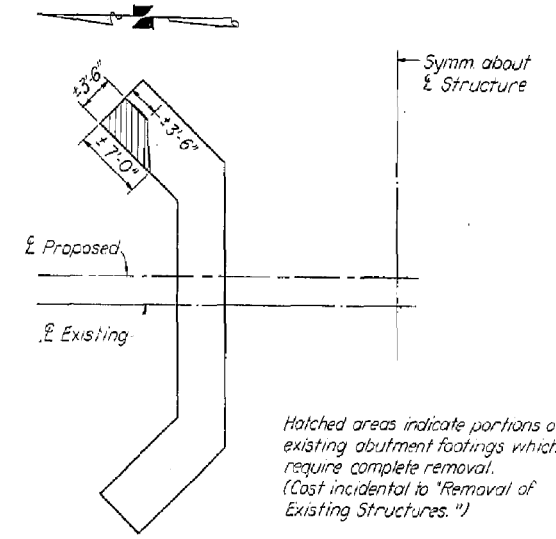
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1323	39C-BR	KANKAKEE	20	17
SHEET NO. 3 6 SHEETS				



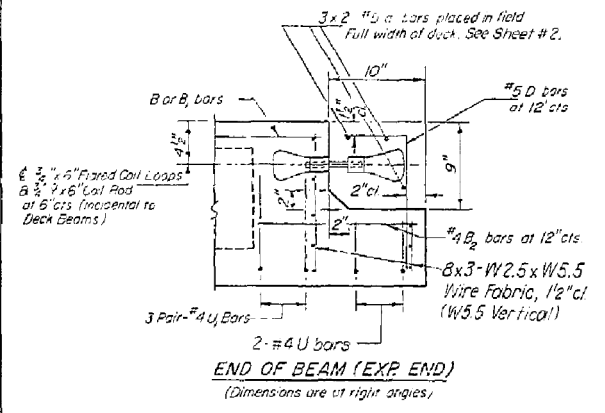
SECTION THRU SOUTH ABUTMENT



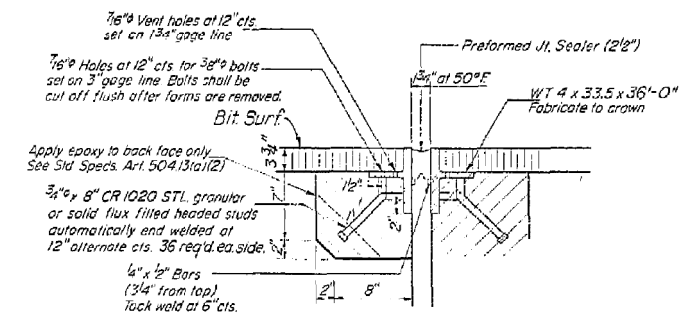
SECTION THRU NORTH ABUTMENT



ABUTMENT FOOTING REMOVAL PLAN

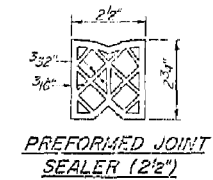


END OF BEAM (EXP. END)
(Dimensions are at right angles)



DETAIL "A"

NOTE: Dimensions are at right angles.
Hatched areas to be poured after beams have been erected and joints grouted.
Ends of beams shall be aligned at the expansion joints. Any unequal variation in the beam lengths shall be placed at the fixed joint. See End of Beam Detail for reinforcement.
Hatched Area Quantities:
on the beam are filled with superstr. sheet # 2.
on the abutment are filled with abutment sheet # 5 and # 6.



PREFORMED JOINT SEALER (2 1/2")

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

W-SR-D (1-17-75)

DETAILS
E.A.S. ROUTE 1323 (S.B.I. RTE. 25)
SECTION 39C-BR
KANKAKEE COUNTY
STATION 317+68.00

FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TSL) IL 115 over Gar Creek PTB 145(B)04-CADD\04-Sheet Files\0666-03-50-Existing Structure.dgn
Date: 12/7/2016



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	DATE -	REVISED -

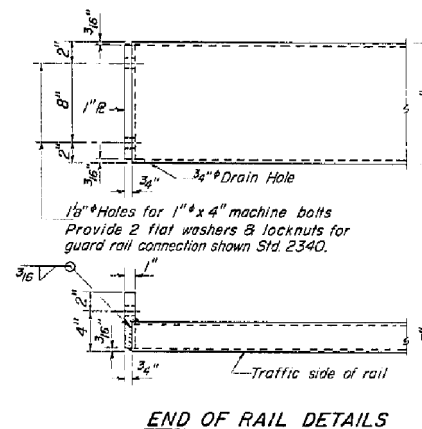
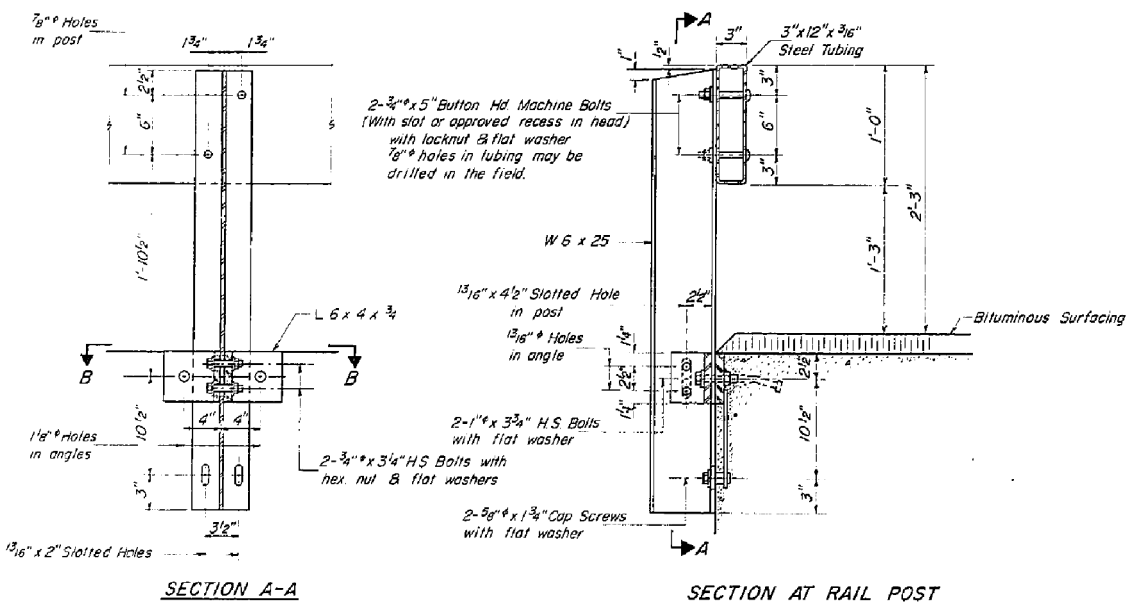
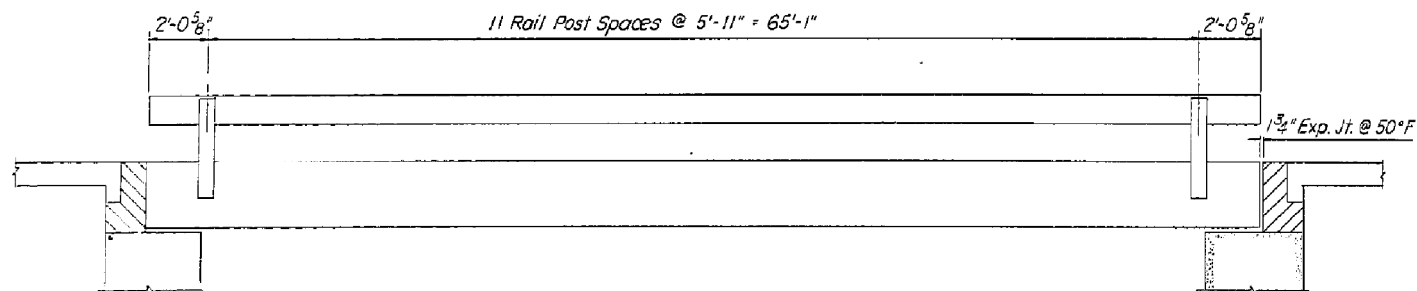
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107
SCALE: N/A SHEET NO. 4 OF 11 SHEETS STA. TO STA.

FOR INFORMATION ONLY				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	56
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
39C-28	1323	KANKAKEE	20	18	6 SHEETS



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B or A-501 Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-163 except posts shall conform to AASHTO M-168.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. Galvanized rail shall not be painted.

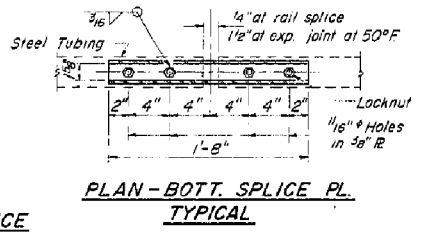
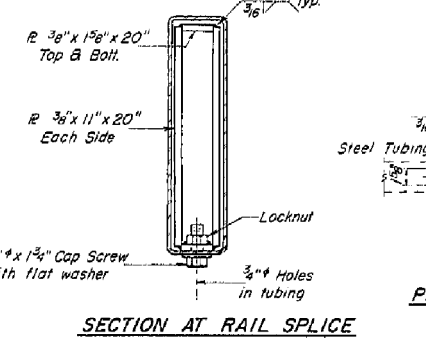
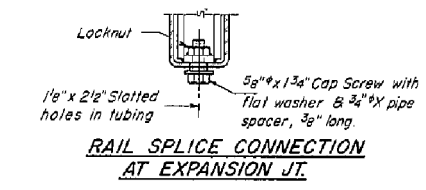
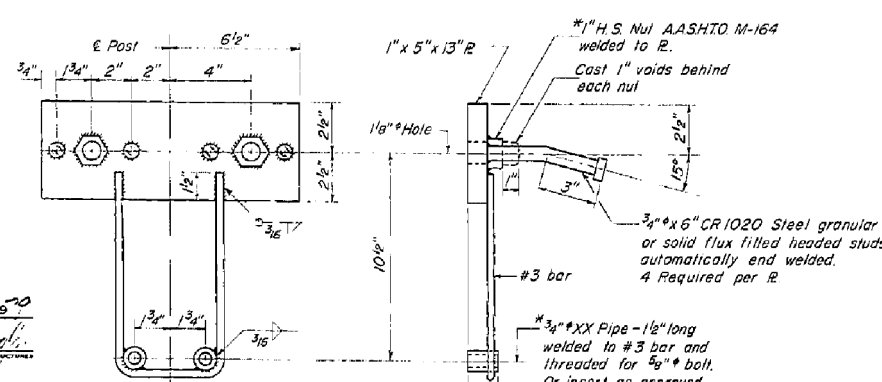
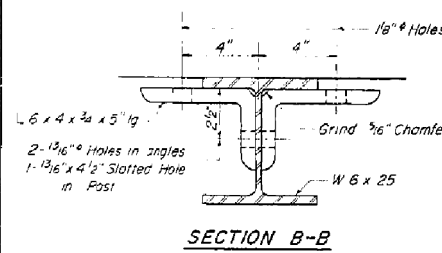
Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE S.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint, conforming to Section 714.08 Type B or place 1/2\"/>

The 3/4\"/>

The 1\"/>



BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S	Lin. Ft.	138

**TYPE S
STEEL RAILING**
F.A.S. ROUTE 1323 (S.B.I. ROUTE 25)
SECTION 39C-BR
KANKAKEE COUNTY
STATION 317+68.00

DESIGNED	EXAMINED	APPROVED
CHECKED	PASSED	
DRAWN		
CHECKED		

R-23 12-30-77 (6'-3" Maximum Post Spacing)

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Car Creek PTB 145(B)04-CADD\04-Sheet Files\036667-51-Existing Structure.dgn



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107
SCALE: N/A SHEET NO. 5 OF 11 SHEETS STA. TO STA.

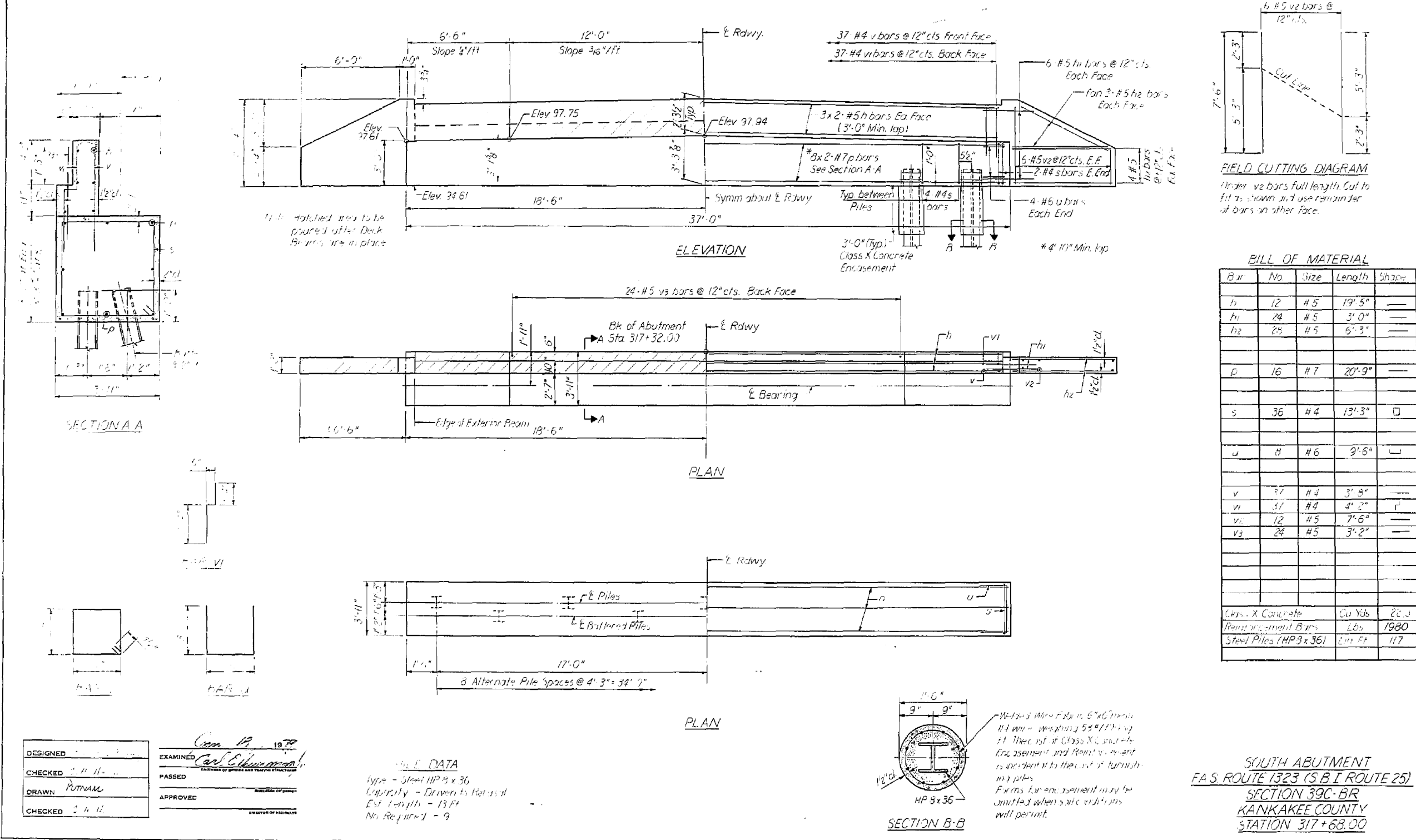
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	57
CONTRACT NO. 66B67				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REVISED NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5
P. No. 1225	39C-BR	KANKAKEE	20	19	6 SHEETS
FED. ROAD DIST. NO. 7	NUMBER	FED. AID PROJECT			

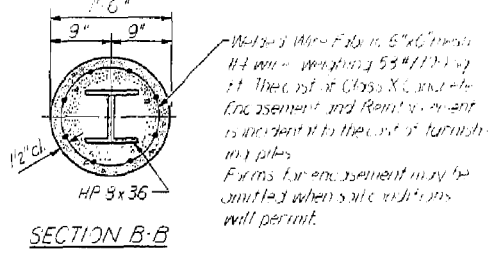


BILL OF MATERIAL

Bar	No	Size	Length	Shape
h	12	#5	19'-5"	—
h1	24	#5	3'-0"	—
h2	24	#5	6'-3"	—
p	16	#7	20'-9"	—
s	36	#4	13'-3"	□
u	8	#6	9'-6"	U
v	37	#4	3'-3"	—
v1	37	#4	4'-2"	—
v2	12	#5	7'-6"	—
v3	24	#5	3'-2"	—
Class X Concrete		Cu Yds	22.0	
Reinforcement Bars		Lbs	1980	
Steel Piles (HP 9x36)		Lin Ft	117	

DESIGNED: [Signature]
 CHECKED: [Signature]
 DRAWN: PUTNAM
 EXAMINED: [Signature] 10/19/77
 PASSED: [Signature]
 APPROVED: [Signature]

PILE DATA
 Type - Steel HP 9 x 36
 Capacity - Driven by Manual
 Est. Length - 13 Ft
 No. Required - 9



SOUTH ABUTMENT
 F.A.S. ROUTE 1323 (S.B.I. ROUTE 25)
 SECTION 39C-BR
 KANKAKEE COUNTY
 STATION 317+68.00

FILE NAME = P:\2015\0666-DDOT-D3-Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TS) IL 115 over Ger Creek PTB 145(B)04-CADD\04-Sheet Files\0666-03-Existing Structure.dgn



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A	SHEET NO. 6 OF 11 SHEETS	STA. TO STA.
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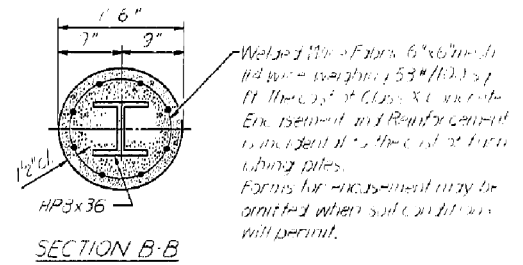
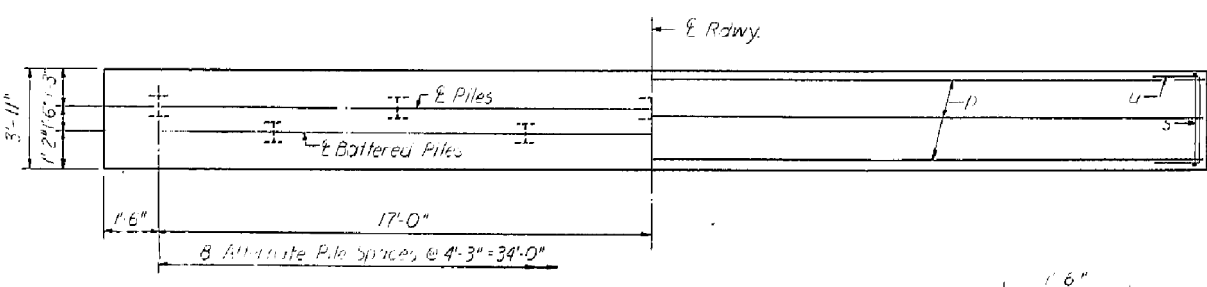
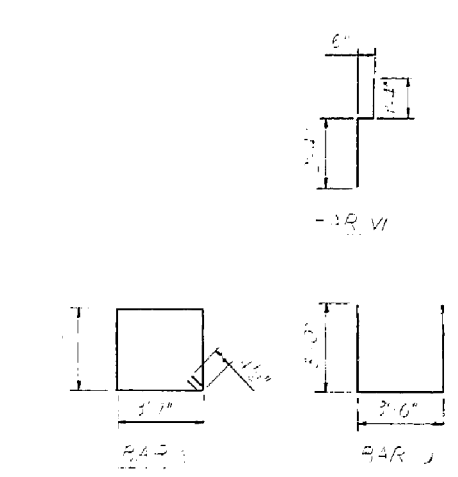
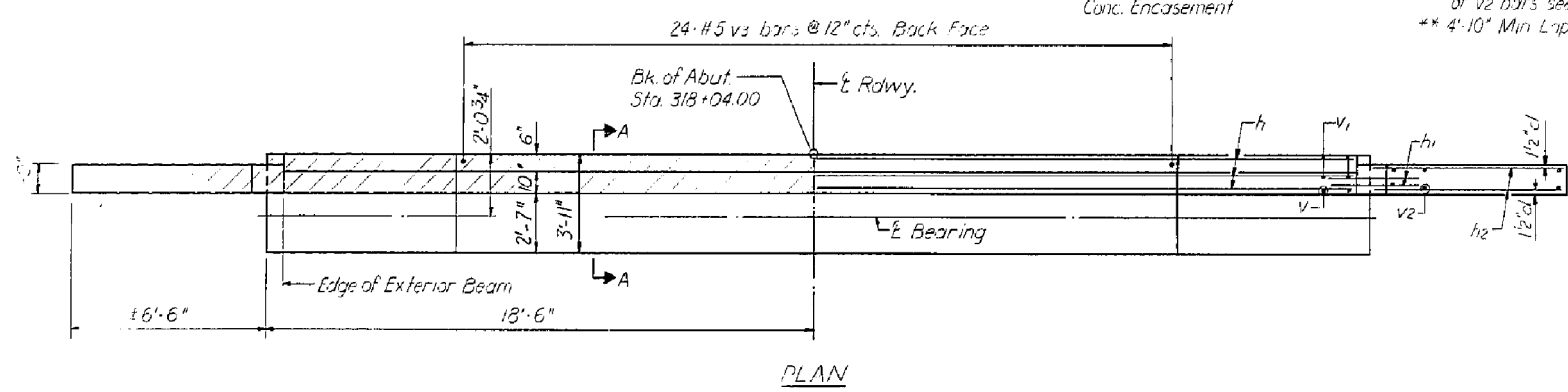
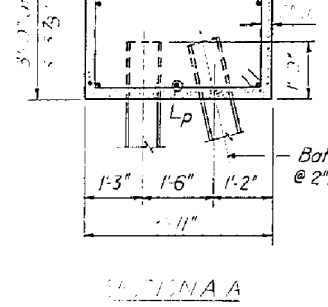
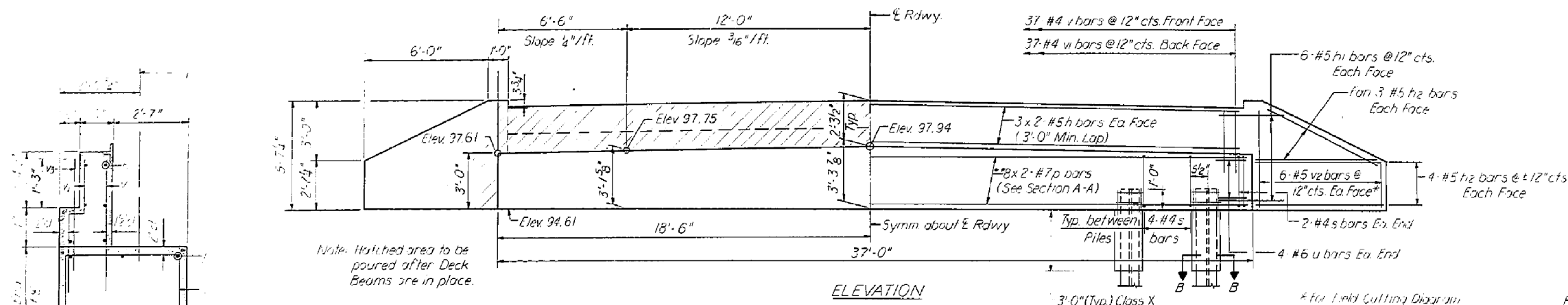
EXISTING STRUCTURE SN-046-0107

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 58
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
1323	39C-BR	KANKAKEE	20	20	6 SHEETS



BILL OF MATERIALS

Bar	No.	Size	Length	Shape
v1	12	#5	19'-5"	—
v2	24	#5	3'-0"	—
h2	28	#5	6'-3"	—
p	16	#7	20'-9"	—
s	36	#4	13'-3"	□
v1	3	#6	9'-6"	└
v1	37	#4	3'-2"	—
v1	37	#4	4'-2"	└
v2	12	#5	7'-6"	—
v3	24	#5	3'-2"	—
Class X Concrete		Cu Yds	22.3	
Reinforcement Bars		Lbs	1960	
Steel Piles (HP3x36)		Lin F.	135	

NORTH ABUTMENT
F.A.S. ROUTE 1323 (S.B.I. ROUTE 25)
SECTION 39C-BR
KANKAKEE COUNTY
STATION 317+63.00

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

PILE DATA
Type - Steel HP 3x36
E.L. Length - 15 FT
Pile Spacing - 9

Welded Wire Fabric 6"x6" mesh
with weight of 54#/100 sq ft
The use of Class X concrete
encasement and Reinforcement
is required at the end of the
driving piles.
Forms for encasement may be
omitted when soil conditions
will permit.

FILE NAME = P:\2015\0656 DDOT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Ger Creek PTB 145(B)04-C000\04-Sheet Files\036667-53-Existing Structure.dgn
Default



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

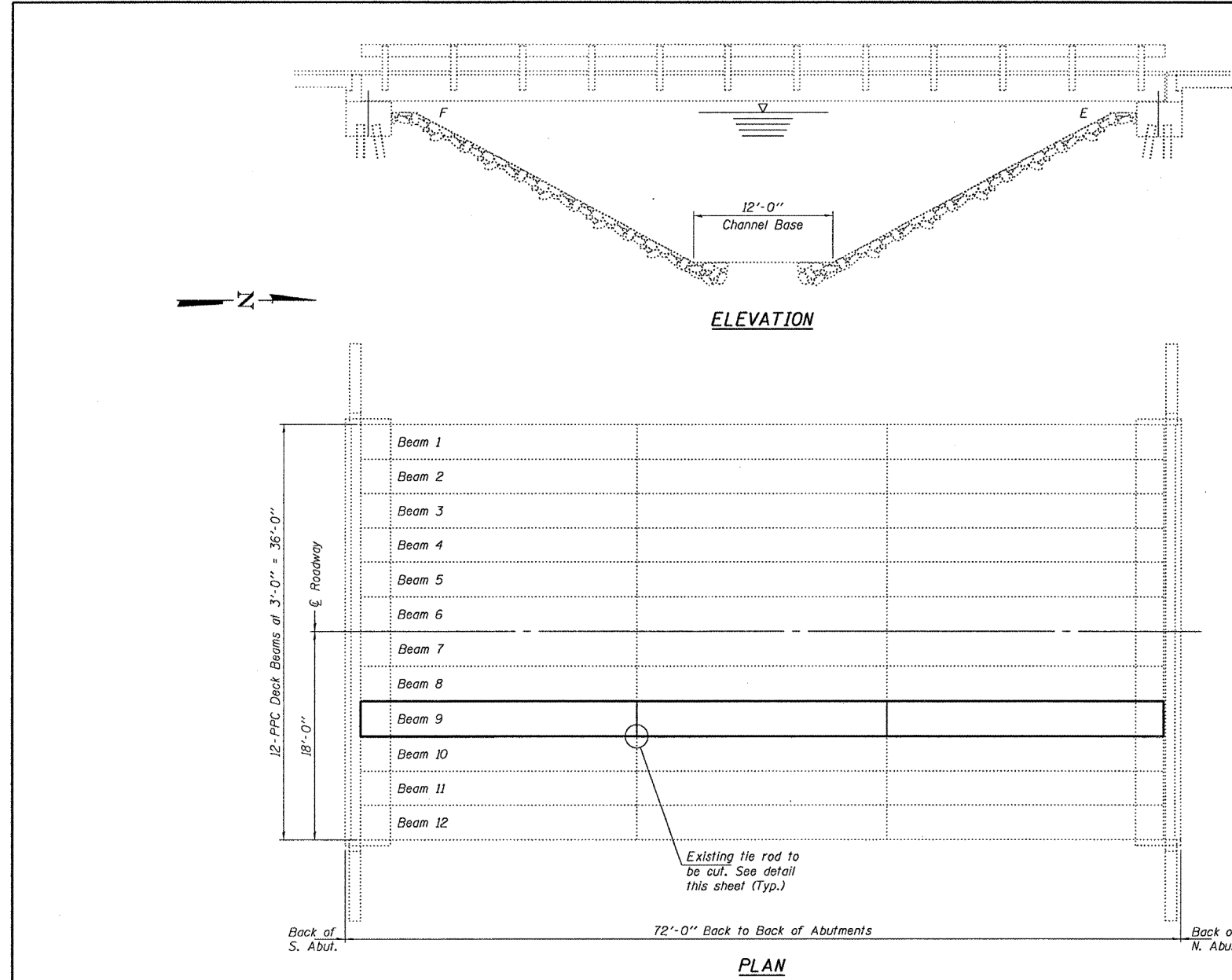
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EXISTING STRUCTURE SN-046-0107

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	59
CONTRACT NO. 66B67				

FOR INFORMATION ONLY

FILE NAME = P:\2015\0656-DDOT-03-Various Phase II (PTB 145-18) MOI2 13 & 14\0656-03 (TSL) IL 115 over Gar Creek PTB 145(B)\04-CADD\04-Sheet Files\0656-03-54-Existing Structure.dgn



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures.

If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new or existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. If heavy equipment will be placed on new PPC deck beams, the following shall be done prior to placement of the timber mats: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys.

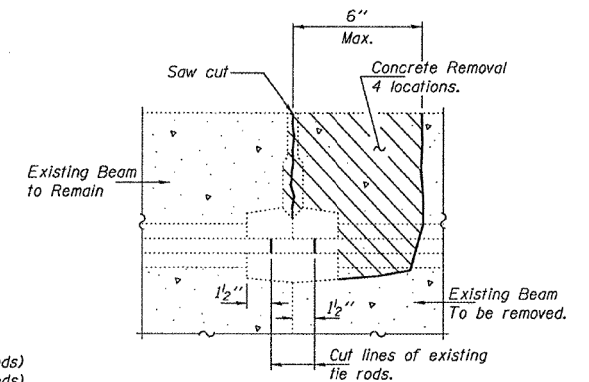
Any damage done to the bridge during beam removal shall be repaired by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams.

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

Temporary concrete barrier shall only be anchored into the overlay and not into the PPC Deck Beams.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with PPC Deck Beams.

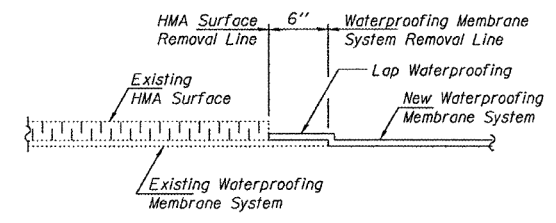
DESIGN STRESSES
PRECAST PRESTRESSED UNITS
 $f'c = 6,000 \text{ psi}$
 $f'ci = 5,000 \text{ psi}$
 $f's = 270,000 \text{ psi}$ ($\frac{1}{2}$ " low lax strands)
 $f'si = 201,960 \text{ psi}$ ($\frac{1}{2}$ " low lax strands)



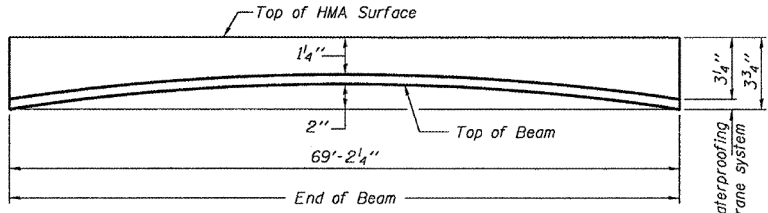
BEAM REMOVAL DETAIL AT TRANSVERSE TIES

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Removal of Existing PPC Deck Beams	Sq. Ft.	207.6
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	201.8
Hot-Mix Asphalt Surface Removal <i>Special</i>	Sq. Yd.	7.9
HMA Surface Course Mix "D" NSO	Tons	3.9
PC Mortar Fairing Course	Foot	139
Waterproofing Membrane System	Sq. Yd.	31.0
Asbestos Bearing Pad Removal	Each	1



WATERPROOFING TREATMENT



ANTICIPATED INITIAL CAMBER DIAGRAM



DESIGNED - <i>John T. Holloway</i>	EXAMINED - <i>John T. Holloway</i>	DATE - MARCH 15, 2011
CHECKED - <i>Kyle M. Steffen</i>	PASSED - <i>John T. Holloway</i>	
DRAWN - <i>ATL</i>		
CHECKED - <i>ATL</i>		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION SN 046-0107

SHEET NO. 1 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C-BR1)	KANKAKEE	9	6
CONTRACT NO. 66B23			ILLINOIS FED. AID PROJECT	

0460107.dgn 3/15/2011 8:09:28 AM



USER NAME = lbozenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

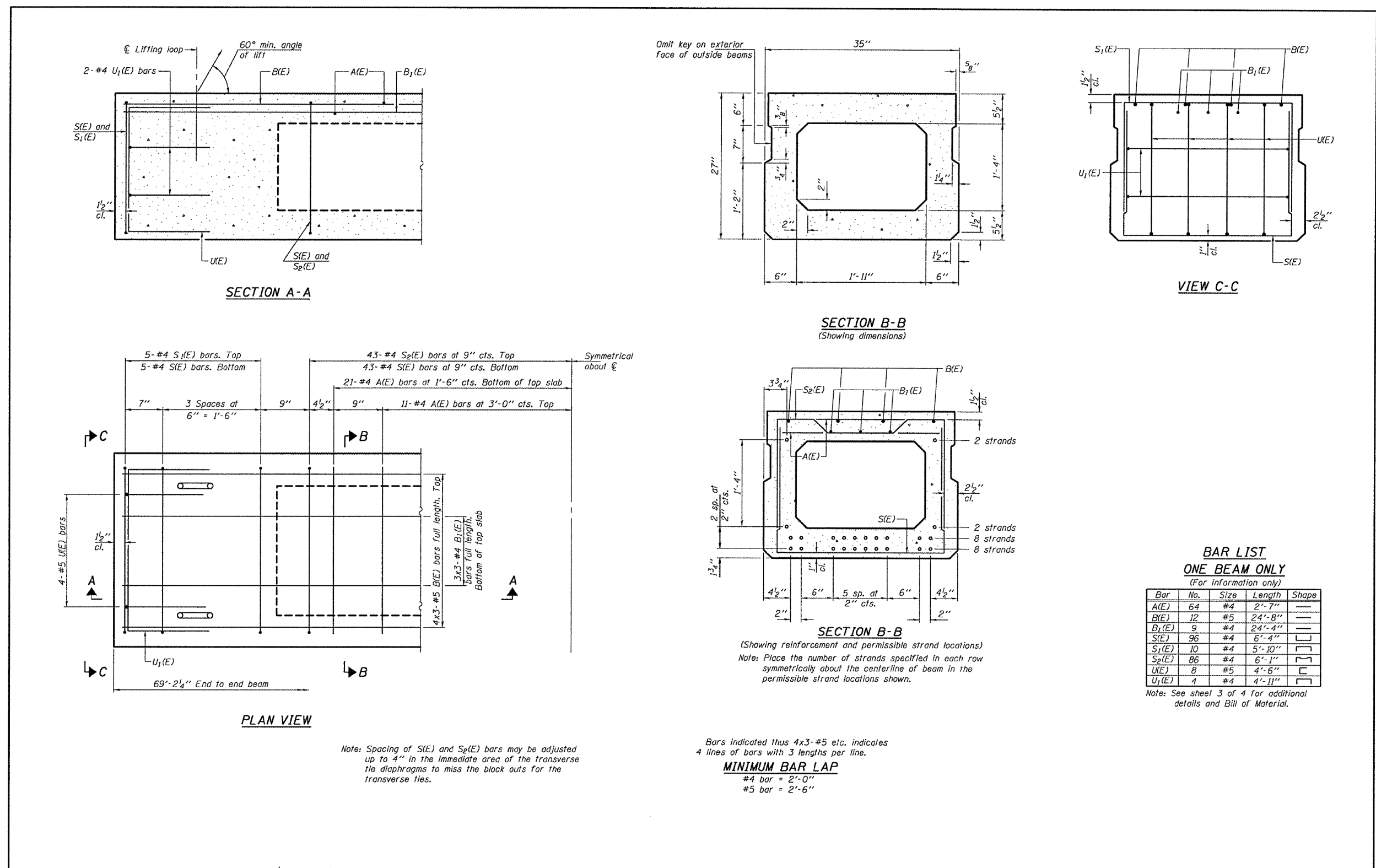
SCALE: N/A	SHEET NO. 8 OF 11 SHEETS	STA. TO STA.
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EXISTING STRUCTURE SN-046-0107

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	60
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Gar Creek PTB 145(B)04-CDD\04-Sheet Files\065667-55-Existing Structure.dgn
 Default



DESIGNED - ATH	EXAMINED - <i>John F. J...</i>	DATE - MARCH 15, 2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PPC DECK BEAM DETAILS SN 046-0107	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - GGE	PASSED - <i>Chad...</i>				6188	(39C-BR1)	KANKAKEE	9	7	
DRAWN - Kyle M. Steffen					CONTRACT NO. 66B23					
CHECKED - ATH GGE					ILLINOIS FED. AID PROJECT					

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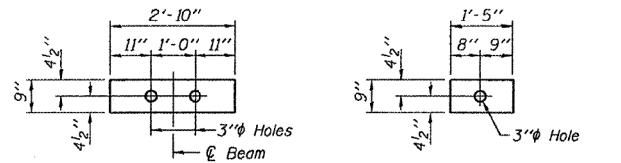
USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107
 SCALE: N/A SHEET NO. 9 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	61
CONTRACT NO. 66B23				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



FABRIC BEARING PAD FABRIC ADJUSTING SHIM

FIXED

Note: Omit holes when using expansion bearings.

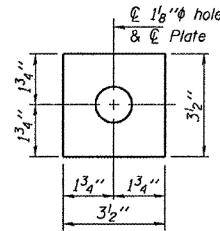
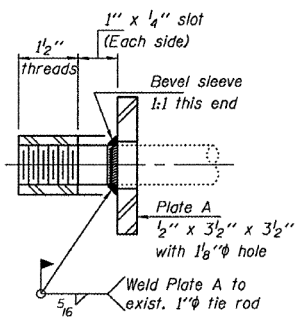
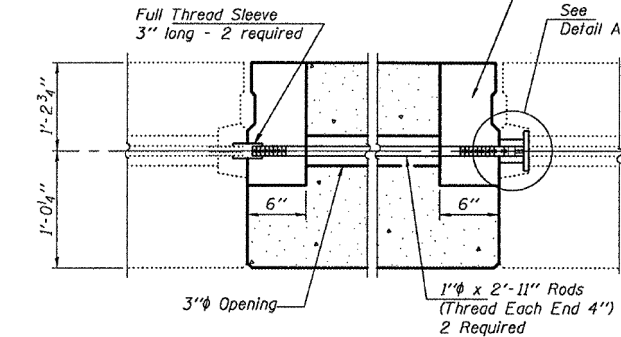


PLATE A
(2 Required)

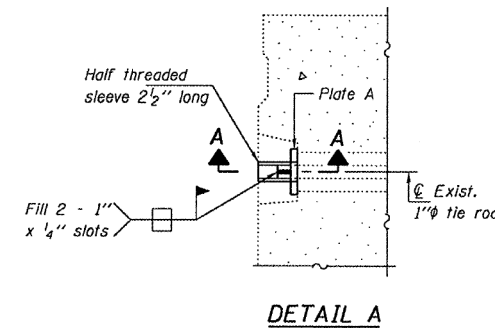


SECTION A-A
(2 Required)

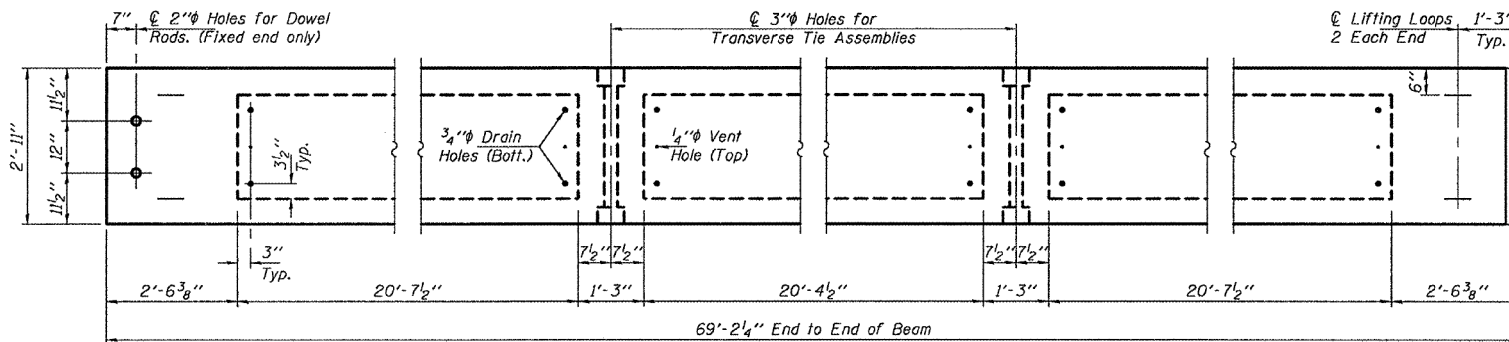
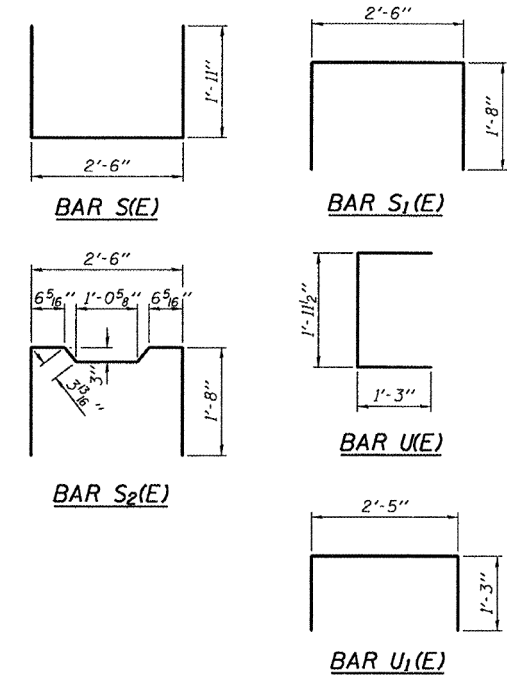
6" x 6" x 16 1/2" Blockout to be filled with non-shrink grout as specified in the special provision Concrete Deck Beams (Min. compressive strength at 7 days = 6,000 psi) after beams have been installed. Cost shall be included in the cost of Precast Prestressed Concrete Deck Beams (27" Depth). (Typ.)



TYPICAL TRANSVERSE TIE ASSEMBLY

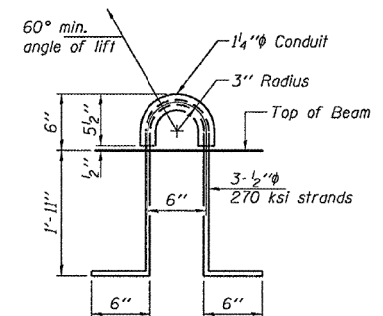


DETAIL A



BEAM PLAN

Expansion End. See sheet 4 of 4 for details.



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/2" fabric adjusting shims of the dimensions shown shall be provided for each bearing pad location. A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	201.8
---	---------	-------

DESIGNED - ATH	EXAMINED - <i>Jayne F. [Signature]</i>	DATE - MARCH 15, 2011
CHECKED - GGE	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Kyle M. Steffen	PASSED - <i>[Signature]</i>	
CHECKED - ATH GGE	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PPC DECK BEAM DETAILS
SN 046-0107

F.A.U. RTE. 6188	SECTION (39C-BR1)	COUNTY KANKAKEE	TOTAL SHEETS 9	SHEET NO. 8
CONTRACT NO. 66B23			ILLINOIS FED. AID PROJECT	

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FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Gar Creek PTB 145\B\04-CADD\04-Sheet Files\0656-756-Existing Structure.dgn



USER NAME = lboizenus	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

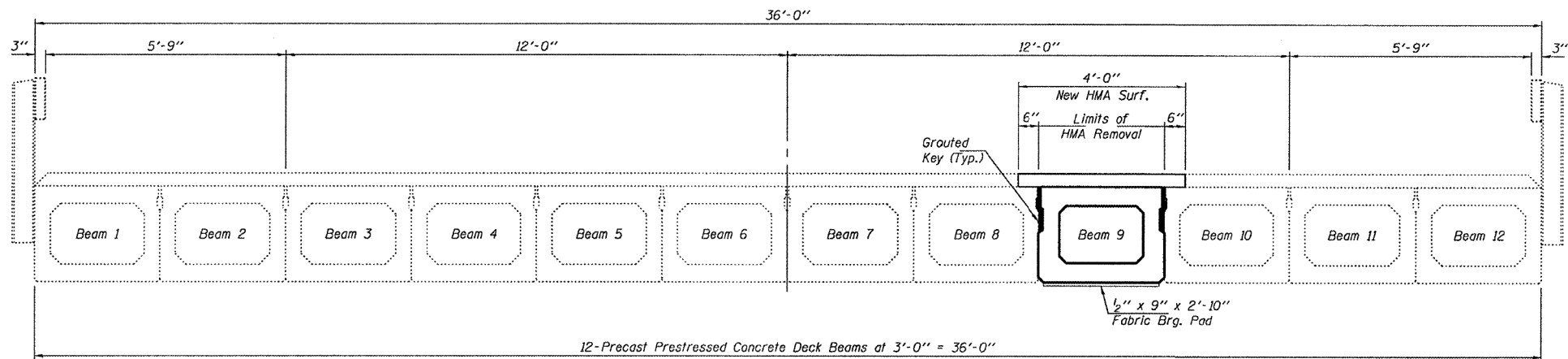
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SN-046-0107

SCALE: N/A SHEET NO. 10 OF 11 SHEETS STA. TO STA.

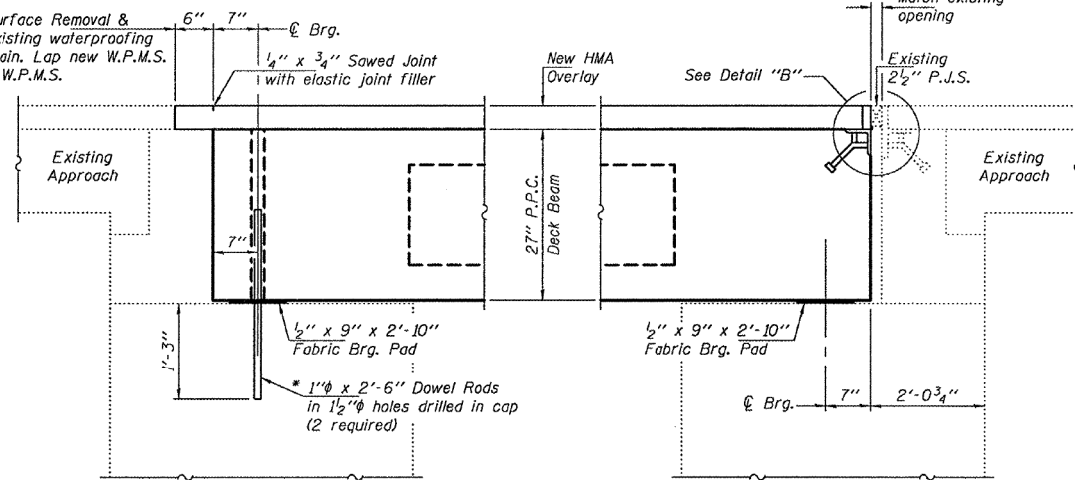
F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 62
CONTRACT NO. 66B67			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



CROSS SECTION
(Looking North)

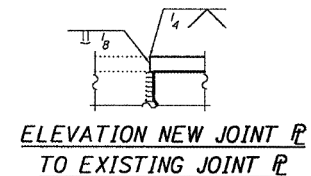
Limits of HMA Surface Removal & Replacement. Existing waterproofing membrane to remain. Lap new W.P.M.S. with the existing W.P.M.S.



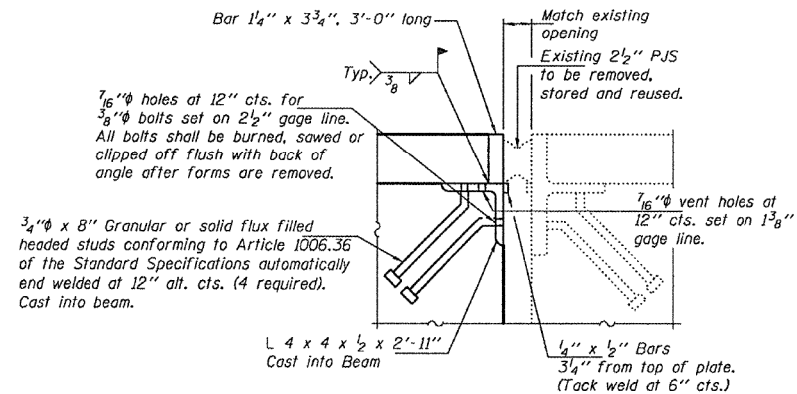
SECTION THRU SOUTH ABUTMENT.

SECTION THRU NORTH ABUTMENT.

* Existing dowel rods are to be burned off, ground flush, and sealed with epoxy prior to placement of new beams. Cast included in Removal of Existing PPC Deck Beams. After beams have been erected holes shall be drilled into cap and dowel rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a minimum of 24 hours prior to grouting the shear keys.



ELEVATION NEW JOINT P TO EXISTING JOINT P



DETAIL "B"

DESIGNED - ATH	EXAMINED - <i>Joanne F. [Signature]</i>	DATE - MARCH 15, 2011
CHECKED - GGE	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Kyle M. Steffen	PASSED - <i>[Signature]</i>	
CHECKED - ATH GGE	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REPAIR DETAILS
SN 046-0107**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C-BR1)	KANKAKEE	9	9
CONTRACT NO. 66B23				
ILLINOIS FED. AID PROJECT				

0460107.dgn 3/15/2011 8:09:29 AM

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (PTB 145-18) MOI2 13 & 14\0656-03 (TS) IL 115 over Gar Creek PTB 145(B)04-C000\04-Sheet Files\065667-57-Existing Structure.dgn



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

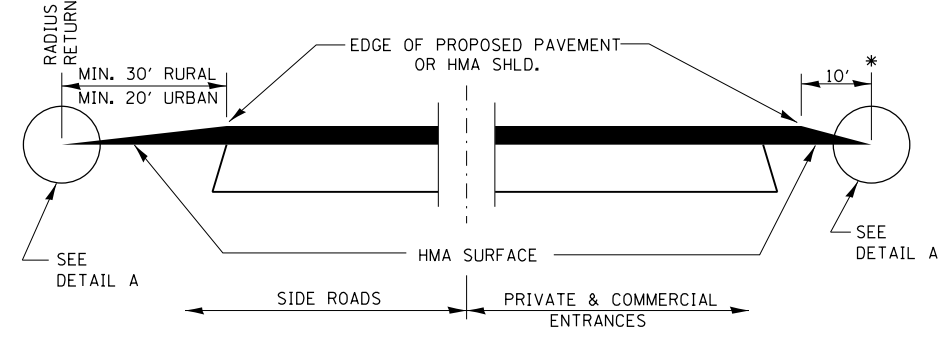
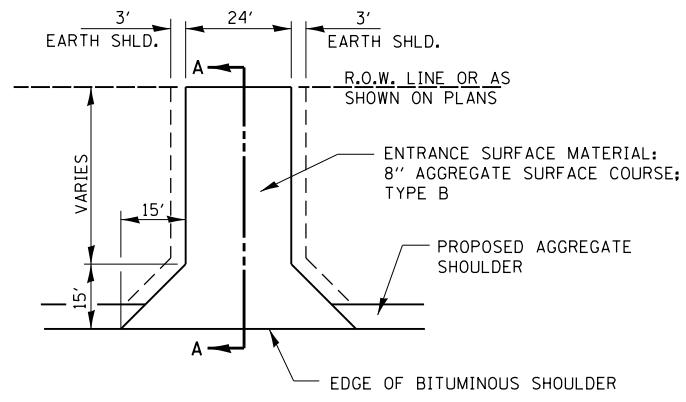
EXISTING STRUCTURE SN-046-0107

SCALE: N/A SHEET NO. 11 OF 11 SHEETS STA. TO STA.

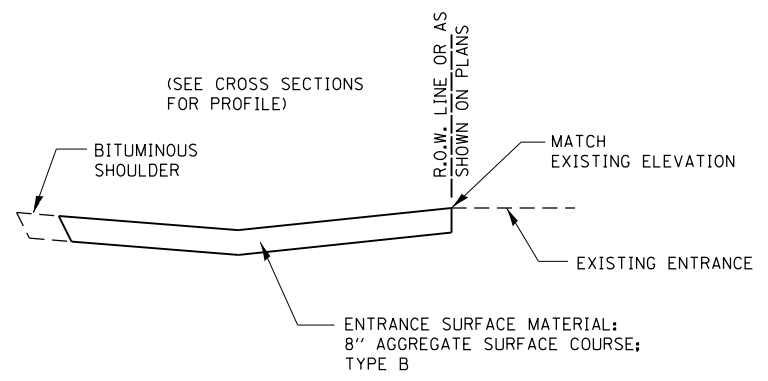
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	63
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

FILE NAME = P:\2015\0666 DDT 03 Various Phase II (PTB 145-18) M012 13 & 14\0666-03 (TS) IL 115 over Ger Creek PTB 145(B)04-C000\04-Sheet Files\0666-56-District Details.dgn
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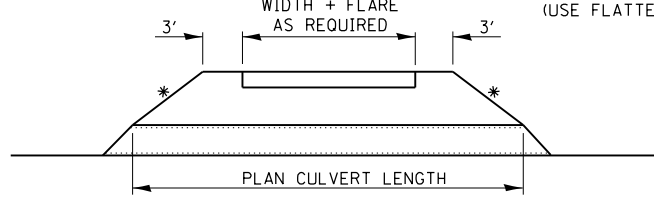


SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS

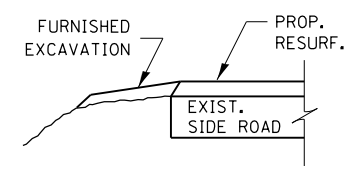


SECTION A-A

* USE 1:6 SLOPE OR MATCH EXIST. FORESLOPE (USE FLATTER OF TWO.)

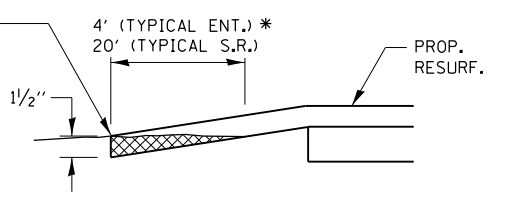


FIELD ENTRANCE DETAIL

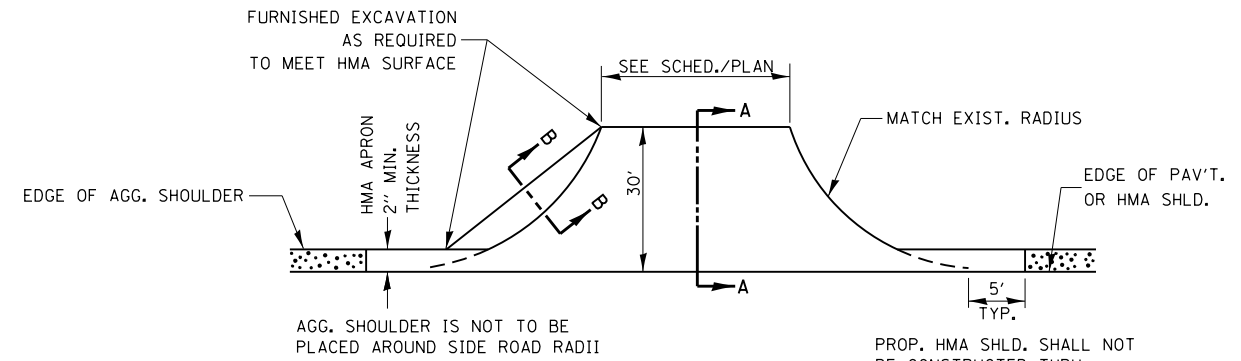


SECTION B-B

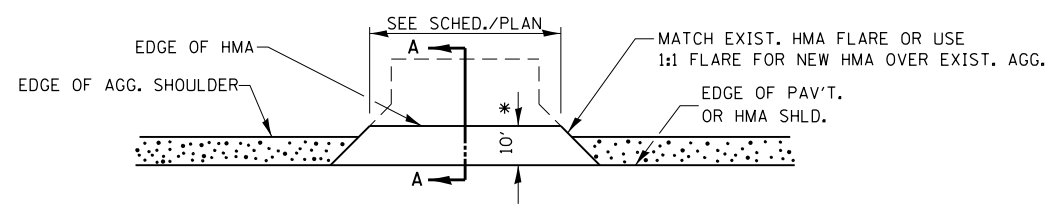
THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A



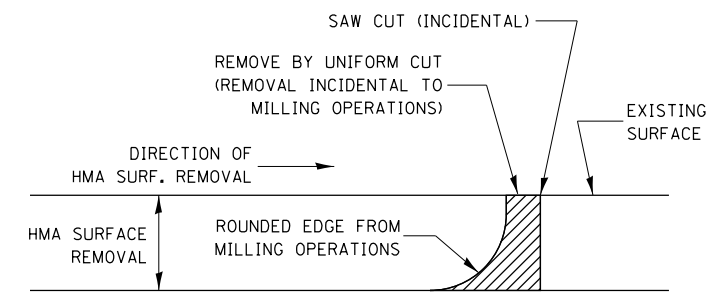
PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

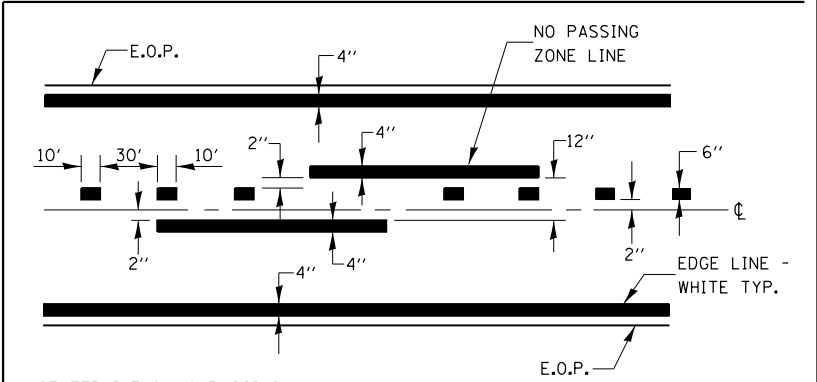
(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



PAVEMENT MARKING



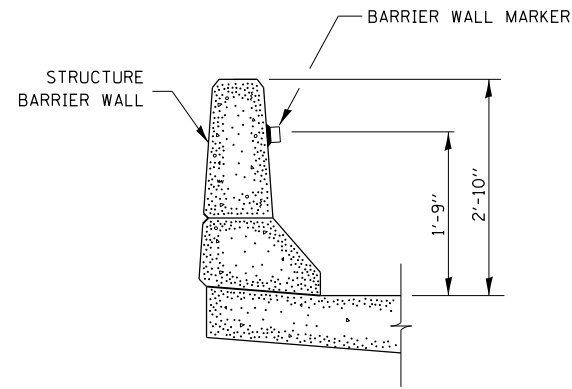
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PLOT SCALE = 100.0000' / 1"	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

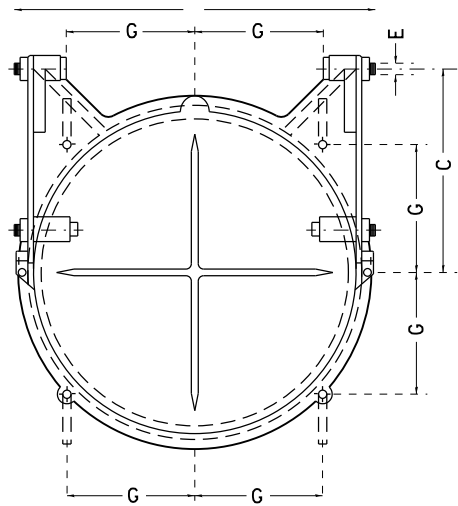
DISTRICT DETAILS

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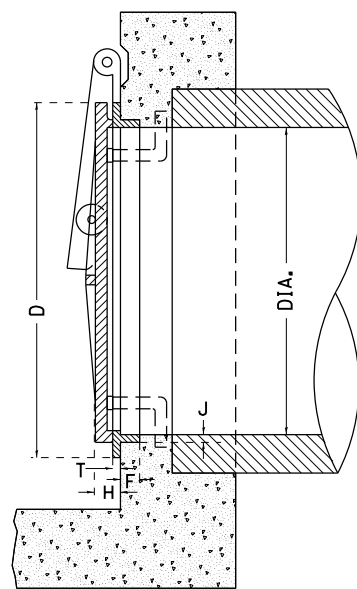
F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 64
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



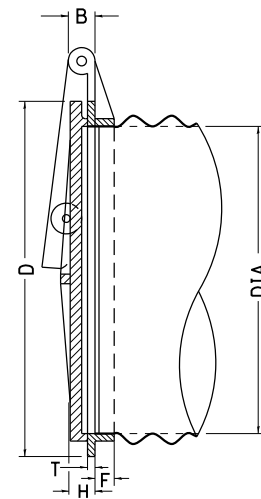
BARRIER WALL MARKER



FRONT ELEVATION



SECTION



SECTION SHOWING METHOD OF APPLICATION TO CORRUGATED METAL PIPE

IT IS INTENDED THAT THE AUTOMATIC FLAP GATES SHALL BE A COMMERCIAL PRODUCT PRODUCED BY A RELIABLE MANUFACTURER. THE GATE MAY BE MADE OF CAST IRON, CAST STEEL OR OTHER SUITABLE MATERIALS. THE DESIGN MAY DIFFER FROM THE DRAWING IF IT WILL WORK IN A SATISFACTORY, TROUBLE FREE MANNER AND WILL WITHSTAND THE WATER PRESSURE AT THE INSTALLATION LOCATION. THE GATE SHALL BE APPROVED BY THE ENGINEER.

THE SIZE OF AUTOMATIC FLAP GATES SHALL REFER TO THE DIAMETER OF THE OUTLET PIPE OR OPENING.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR FLAP GATES OF THE SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND COMPLETE INSTALLATION.

TABLE OF DIMENSIONS

DIAM	A	B	C	D	E	F	G	H	J	T
8"	10 3/4"	1 3/8"	5 1/16"	10"	1/2"	1 1/8"	3 9/16"	1 1/4"	3/8"	3/8"
10"	12 3/4"	1 3/8"	7 1/8"	12 1/4"	1/2"	1 1/8"	4 3/8"	1 1/2"	1/2"	1/16"
12"	14 3/4"	1 3/8"	8 1/2"	14 1/2"	1/2"	1 1/8"	5 1/8"	1 1/2"	1/2"	1/2"
14"	17 1/4"	1 3/8"	9 7/8"	16 3/4"	1/2"	1 1/4"	5 15/16"	1 1/2"	1/2"	9/16"
15"	17 3/4"	1 3/8"	10 5/8"	17 3/4"	1/2"	1 1/4"	6 1/4"	1 1/2"	1/2"	9/16"
16"	19 1/4"	1 3/8"	11 1/4"	18 3/4"	1/2"	1 1/4"	6 5/8"	1 1/2"	1/2"	9/16"
18"	22 1/4"	2"	12 5/8"	21"	3/4"	1 9/16"	7 1/16"	1 3/4"	9/16"	9/16"
20"	24 3/4"	2"	14 1/8"	23 3/4"	3/4"	1 3/8"	8 1/4"	1 3/4"	5/8"	5/8"
21"	25 1/4"	2"	14 7/8"	24 1/4"	3/4"	1 3/8"	8 9/16"	1 3/4"	5/8"	5/8"
24"	28 1/4"	2"	17"	27 1/2"	3/4"	1 1/2"	9 3/4"	1 3/4"	5/8"	5/8"
30"	35 1/4"	2 1/2"	20 1/2"	34"	1"	1 9/16"	12"	2"	1 1/16"	5/8"
36"	41 1/2"	2 1/2"	25"	40 7/8"	1"	2 1/16"	14 7/16"	2 1/4"	1 1/8"	11/16"
42"	47 1/2"	2 1/2"	29 3/4"	47"	1"	2 5/16"	16 5/8"	2 1/4"	1 1/8"	3/4"
48"	53 1/2"	2 1/2"	34"	54"	1"	2 3/4"	19 1/16"	2 1/4"	1 3/8"	3/4"
54"	60 3/4"	2 1/2"	38"	62 1/4"	1 1/4"	2 3/4"	22"	3"	1 1/2"	7/8"
60"	67"	2 1/2"	42"	68 1/2"	1 1/4"	2 3/4"	24 1/4"	3"	1 1/2"	15/16"
66"	73 3/8"	2 1/2"	47"	75"	1 1/4"	2 7/8"	26 1/2"	3"	1 1/2"	1"
72"	79"	2 1/2"	51"	82"	1 1/4"	3"	29"	3"	1 1/2"	1"
78"	86"	2 1/2"	55 1/4"	88 3/4"	1 1/4"	3 1/2"	31 3/8"	3"	1 5/8"	1 1/8"
84"	92 1/2"	3 1/2"	59 1/2"	95 1/2"	1 1/2"	3 1/2"	33 3/4"	3"	1 3/4"	1 1/4"

AUTOMATIC FLAP GATE

FILE NAME = P:\2015\0656 DDT 03 Various Phase II (FTB 145-18) M012 13 & 14\0656-03 (TS) IL 115 over Ger Creek PTB 145(B)\04-C000\04-Sheet Files\036667-59-District Details.dgn
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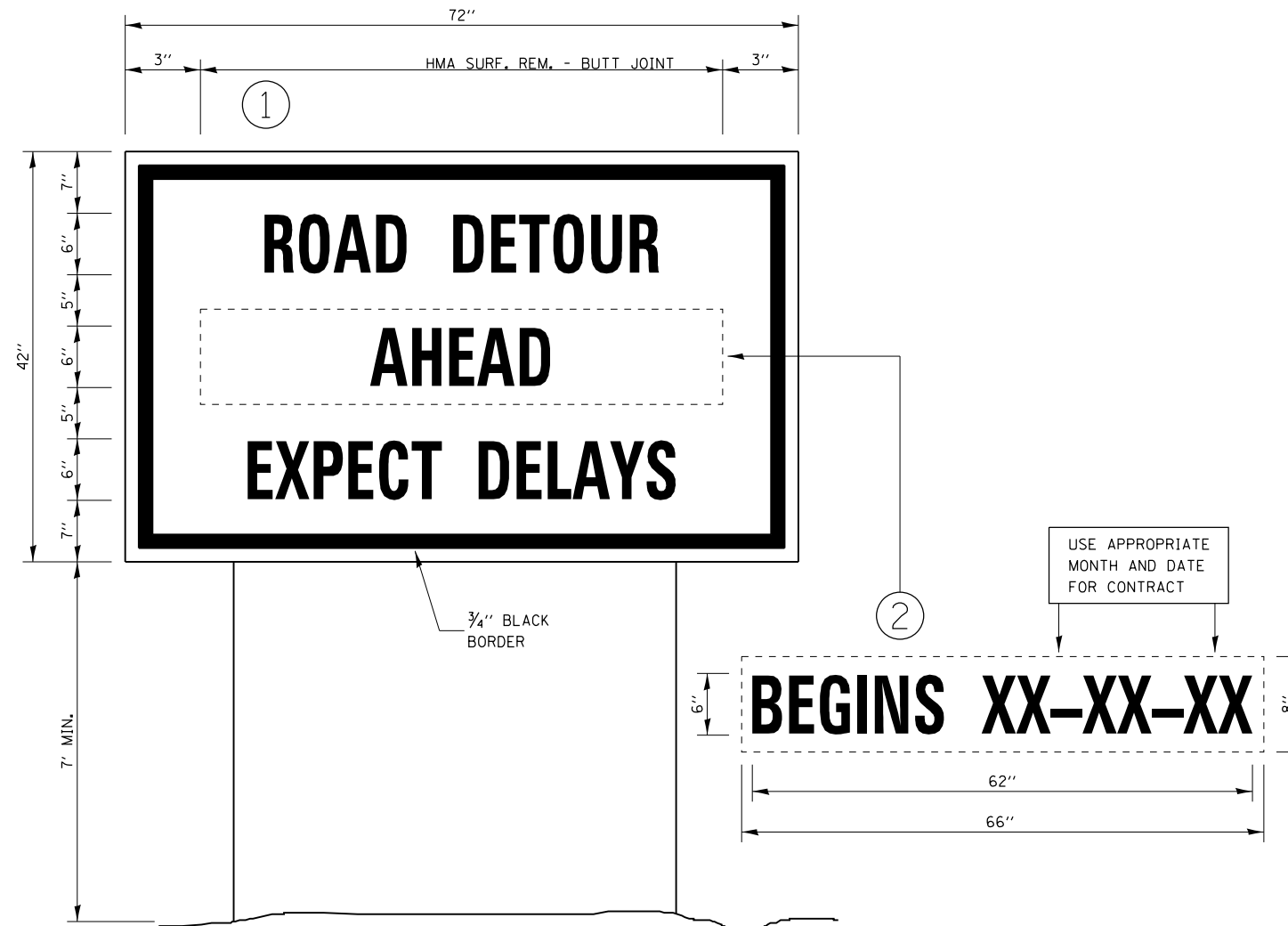
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PLOT DATE = 12/7/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: N/A SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	65
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE DETOUR.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME = P:\2015\0656 -DDT D3 Various Phase II (PTB 145-18) M012 13 & 14\0556-03 (TS) IL 115 over Car Creek PTB 145\B\04-CADD\04-Sheet Files\036667-60-District Details.dgn
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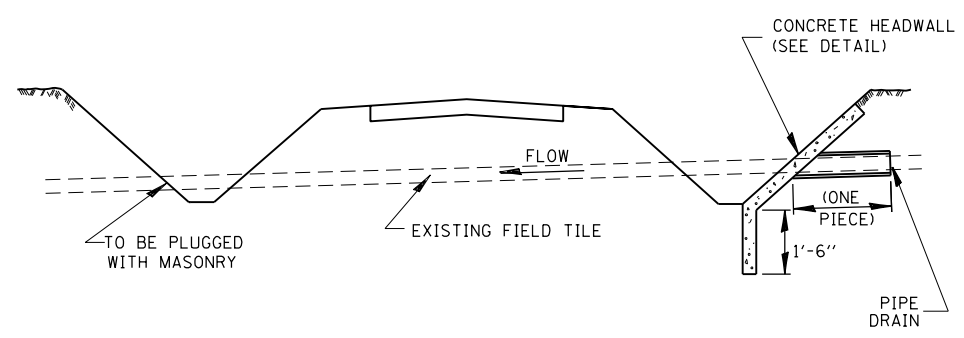
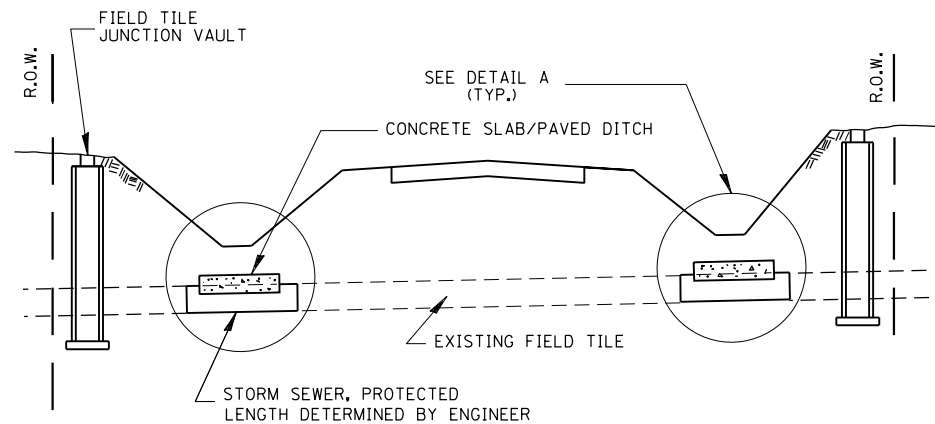
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

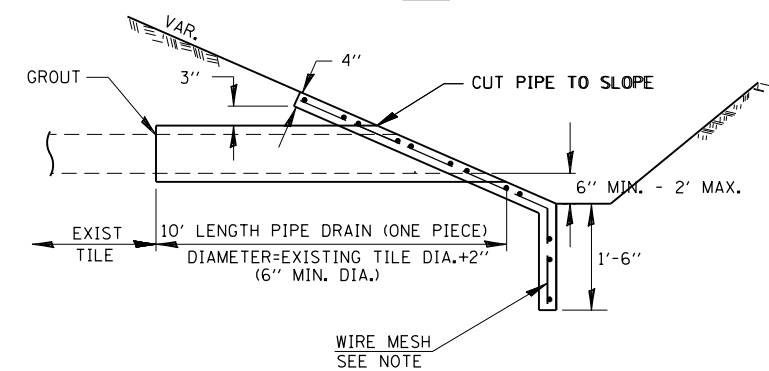
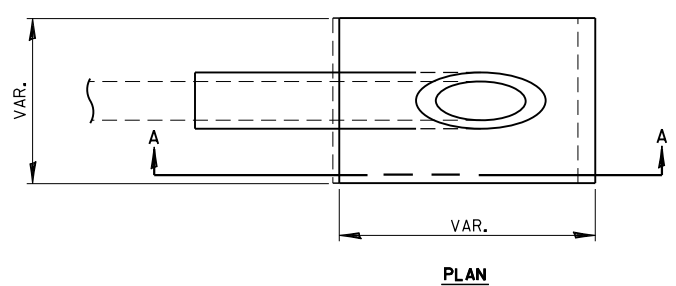
DISTRICT DETAILS	
SCALE: N/A	SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	66
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

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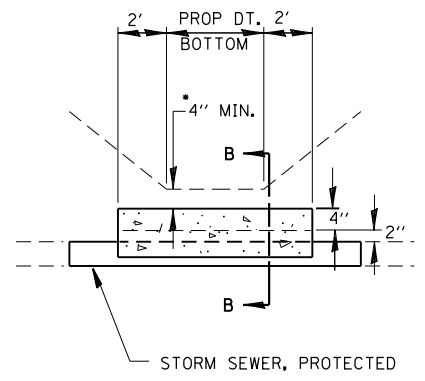


FIELD TILE REPLACEMENT



SECTION A-A

CLASS SI CONCRETE HEADWALLS



DETAIL A

NO SCALE

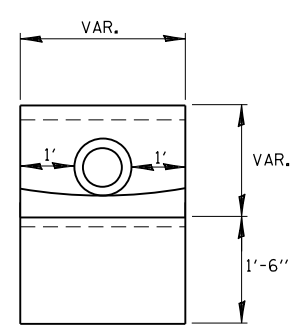
* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

NOTES

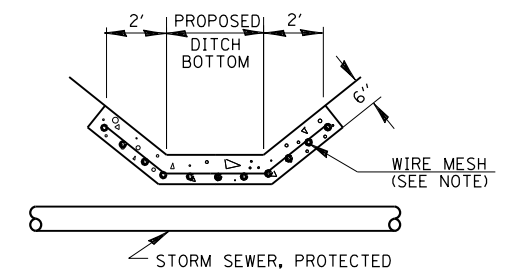
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

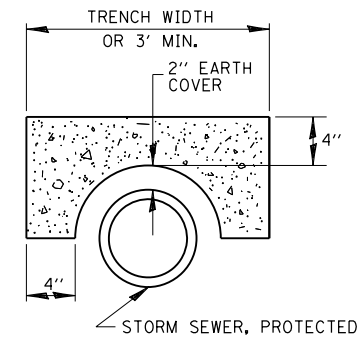


END VIEW

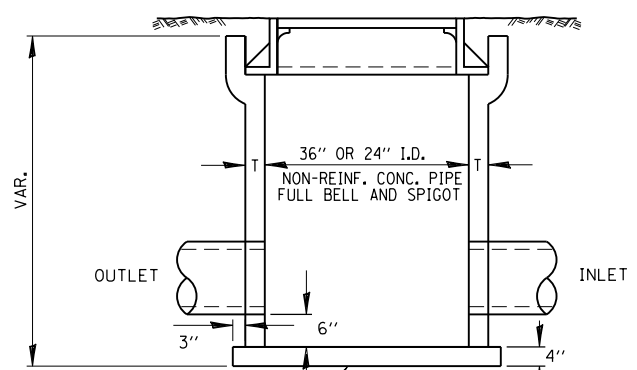


DETAIL C

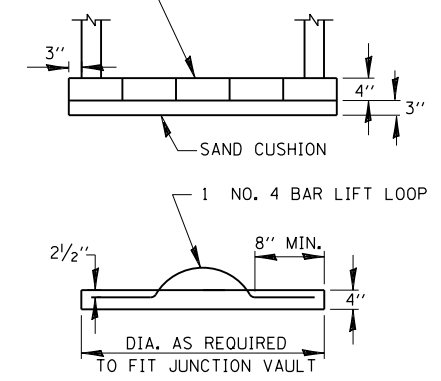
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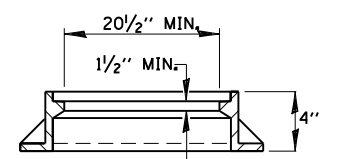
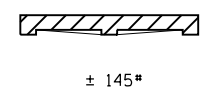
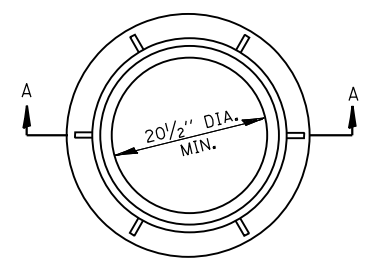
SECTION B-B



CLASS SI CONCRETE OR PRECAST REINFORCED CONCRETE SLABS NOT LESS THAN 12" WIDE



FIELD TILE JUNCTION VAULT



SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

NOTES

1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



USER NAME = Ibolzenius	DESIGNED - LAS	REVISED -
PLOT SCALE = 5000.0000' / in.	DRAWN - TCS	REVISED -
PLOT DATE = 12/7/2016	CHECKED - DAZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

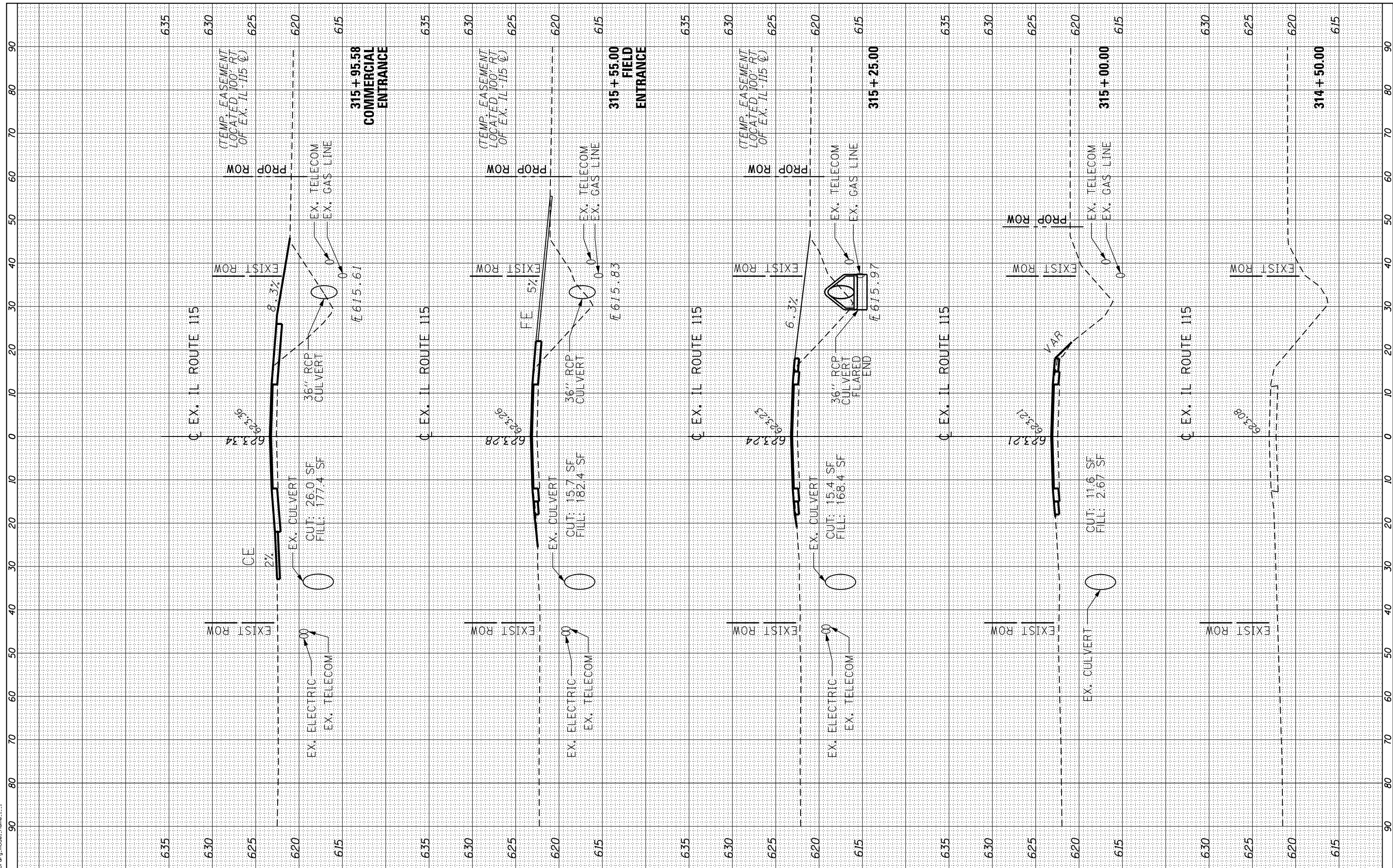
DISTRICT DETAILS

SCALE: N/A SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66B67	

FINL	SURVEYED	BY	DATE
SURVY	PLotted		
NO.	AREAS CHECKED		

FILE NAME = P:\2015\0566 DDT 03 Various Phase II (PTB 145-18) M02 13 & 14\0566-03 (TSL IL 115 over Gar Creek, PTB 14518)\06-Submittals\02-Design\20161207 Final Revised\C-93-003-16 Final Supplemental\016-888-01\0566-03.dwg
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USER NAME =	1bolzenius
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DATE -	

REVISD -	YD
REVISD -	
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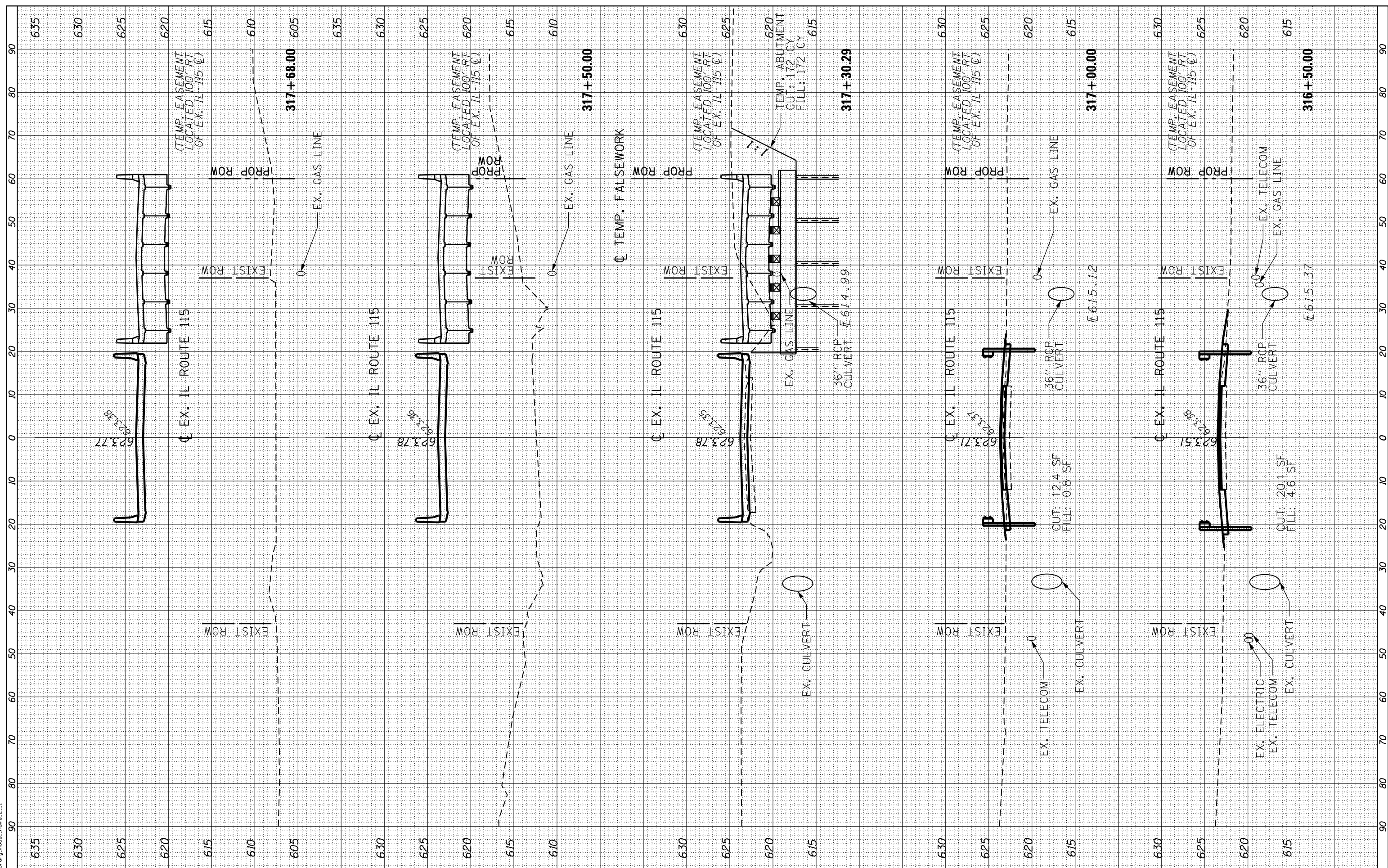
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CHECKED -	CT
DATE -	

REVISD -	YD
REVISD -	
REVISD -	
REVISD -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET 1 OF 4 SHEETS	STA. 314+50.00 TO STA. 315+95.58
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	68
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 12/7/2016	CHECKED - CT	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

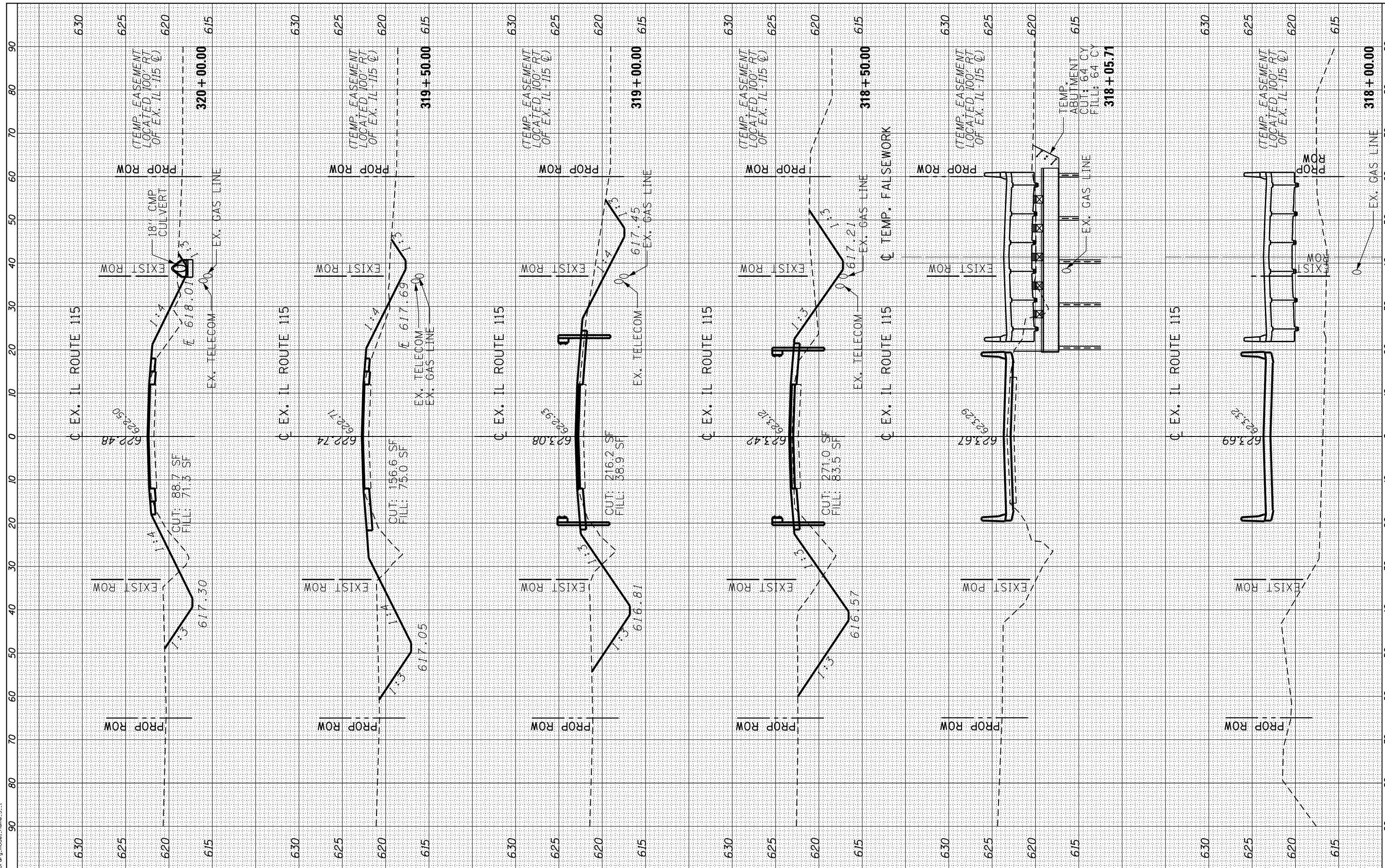
CROSS SECTIONS

SCALE: 1"=10' SHEET 2 OF 4 SHEETS STA. 316+50.00 TO STA. 317+68.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6188	(39C) 1-BR	KANKAKEE	71	69
CONTRACT NO. 66B67				

DATE	BY
NO.	AREAS CHECKED
NO.	AREAS CHECKED

FILE NAME = P:\2015\0566 DDT 03 Various Phase II (PTB 145-18) M02 13 & 14\0566-03 (TSL IL 115 over Gar Creek PTB 14518)06-Submittals\02-Design\20161207 Final Revised\03-003-16 Final.dwg
 SURVEYED BY: J. BOZENTUS
 DESIGNED BY: LB
 DRAWN BY: MD
 CHECKED BY: CT
 DATE: 12/7/2016



USER NAME = lbozentus	DESIGNED - LB	REVISED - YD
PLOT SCALE = 20.0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 12/7/2016	CHECKED - CT	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

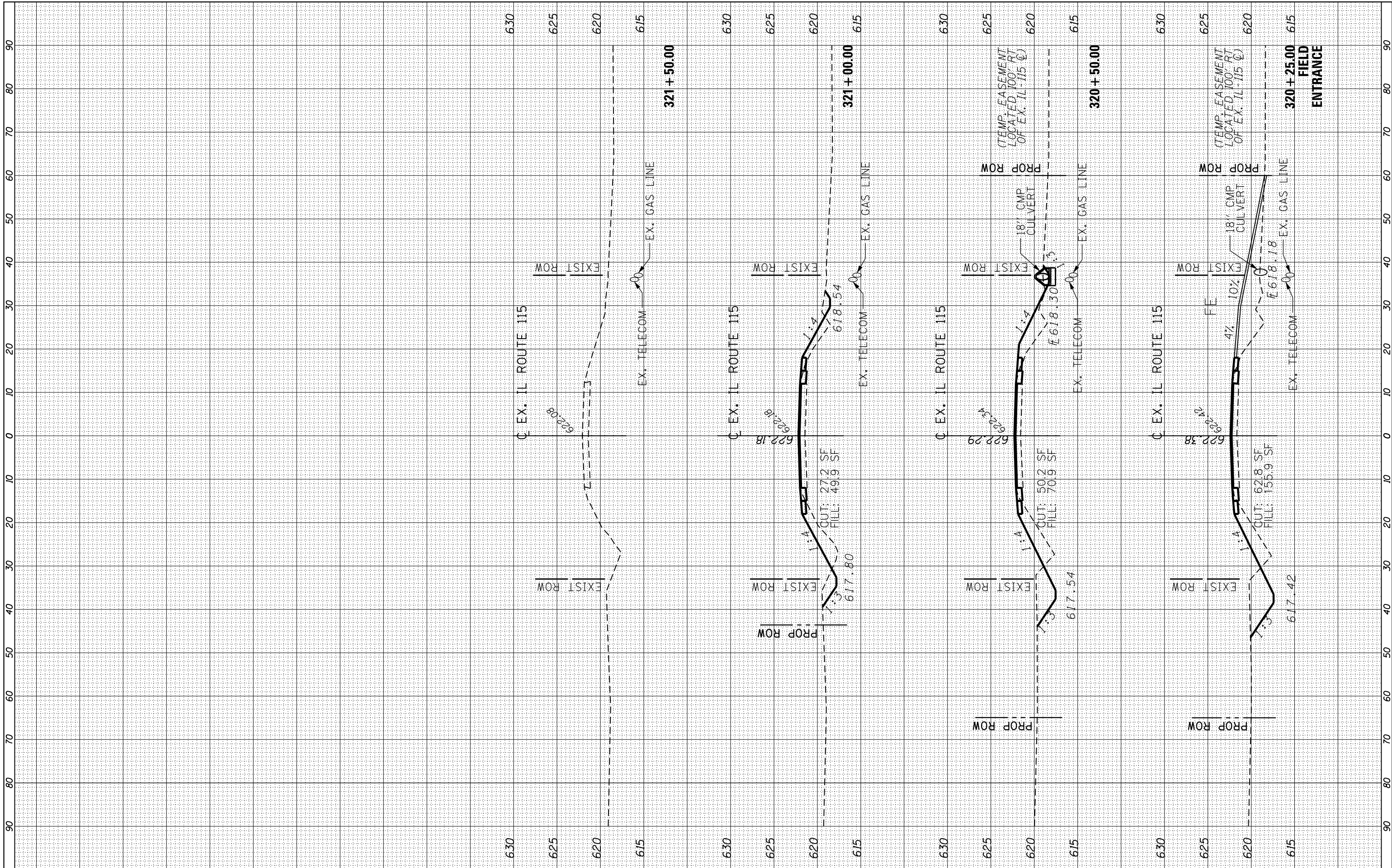
CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 4 SHEETS STA. 318+00.00 TO STA. 320+00.00

F.A.U. RTE. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 70
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				

FINL SURVEY	DATE
NO.	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

FILE NAME = P:\2015\0566 DDT 03 Various Phase II (PTB 145-18) M02 13 & 14\0566-03 (TSL IL 115 over Gar Creek PTB 14518)04-CDD\04-Sheet File\036667-62-65-Cross Sections.dgn
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USER NAME = lboizenus	DESIGNED - LB	REVISED - YD
PLOT SCALE = 20.0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 12/7/2016	CHECKED - CT	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 4 OF 4 SHEETS STA. 320+25.00 TO STA. 321+50.00

F.A.U. RT. 6188	SECTION (39C) 1-BR	COUNTY KANKAKEE	TOTAL SHEETS 71	SHEET NO. 71
CONTRACT NO. 66B67				
ILLINOIS FED. AID PROJECT				