STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY BRIDGE PROGRAM

PROJECT BRS-1919(107) SECTION 06-00057-02-BR C.H. 30 / F.A.S. 1919 / BOSKEYDELL ROAD **STRUCTURE NO. 039-3124** JOB# C-99-533-07 JACKSON COUNTY

INDEX OF SHEETS

2.

SHEET NO. DESCRIPTION

COVER SHEET

SUMMARY OF QUANTITIES & TYPICAL SECTIONS

PLAN & PROFILE

GUARDRAIL DETAILS AND SEEDING PLAN 4.

5.-6. BRIDGE PLANS

HIGHWAY STANDARDS:

SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS 630301-05

635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT 701301-03 LANE CLOSURE, 2L. 2W, SHORT TIME OPERATIONS

701901-01

TRAFFIC CONTROL DEVICES

BLR 26-2

STEEL PLATE BEAM GUARD RAIL

UTILITIES

2035 BLACK DIAMOND ROAD NASHVILLE, ILLINOIS 62263 618-971-7775 ATTN: DUANE DeBORD

360 NETWORKS 130 N. MAIN ST. BUTTE, MT 59701 406-496-6510 ATTN: HENRY KLOBUCAR

EGYPTION ELECTRIC COOPERATIVE 10169 OLD HIGHWAY 3 MURPHYSBORO, IL 62966 618-684-2143 ATTN: SHANE HERMET

SOUTH HIGHWAY WATER DISTRICT 111 CEDAR CREEK ROAD MAKANDA, IL 62958 618-529-5313

VERIZON NORTH, INC. 208 WEST UNION MARION, IL 62959 309-827-1617 ATTN: MARY RUTH WILLIS

314-298-6144

MCI (VERIZON BUSINESS)
0SP NATIONAL SUPPORT/INVESTIGATIONS
2400 N. GLENVILLE DR.
RICHARDSON, TX 75082
ATTN: DEAN BOYERS
972-729-6322
FIELD REP: ART SHERIDAN

STA. 13+67 SEISMIC RETROFIT OF CONCRETE PIER COLUMNS. STRUCTURE NO. 039-3124

R. 1 W., 3RD, P.M.

IMPROVEMENT ENDS STATION 16+50

IMPROVEMENT BEGINS STATION 11+00

LOCATION MAP

APPROXIMATE SCALE: 0 1 MILE NET LENGTH OF SECTION = 550 FEET = 0.104 MILES

WARNING **CALL 811** BEFORE YOU DIG



SECTION

JACKSON

F.A.S. 06-0005 1919 -02-BR

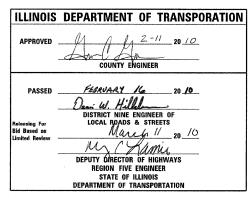
TOTAL SHEE'SHEETS NO.

6

FUNCTIONAL CLASSIFICATION: DESIGN SPEED: DESIGN TRAFFIC:

MAJOR COLLECTOR (NON-URBAN) 40 MPH

725 ADT (2009)





HAMPTON, LENZINI AND RENWICK, INC.

3085 STEVENSON DRIVE, SUITE 201 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 217.546.3400 www.hlrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 07.0315,130

CONTRACT NO. 99414

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD

CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT

ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

DATE: 02/05/10

	SUMMARY OF QUANTITIES				
		UNIT	TOTAL	ROADWAY SFTY-3J	SN 039-3124 SFTY-2A
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.40	0.40	
25100630	EROSION CONTROL BLANKET	SQ YD	1795	1795	
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	750		750
48101200	AGGREGATE SHOULDERS, TYPE B	TON	72	72	
50200100	STRUCTURE EXCAVATION	CU YD	50		50
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	5,310		5310
63000002	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS	FOOT	100	100	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
* 63301000	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL	FOOT	111	111	
* 63304385	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	3	3	
67100100	MOBILIZATION	L SUM	1	1	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1		1

SEE SPECIAL	. PROVISIONS
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f	SPECTALT	Y ITEMS
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	GUARDI	RAIL SCHEDU	LE		
	TRAFFIC	REMOVE AND	STEEL	TRAFFIC	TERMINAL
	BARRIER	RE-ERECT	PLATE BEAM	BARRIER	MARKER
	TERMINAL	STEEL	GUARD RAIL	TERMINAL	DIRECT
LOCATION	REMOVAL	PLATE BEAM	TYPEA	TYPE 1	APPLIED
	TYPE 1	GUARD RAIL	6.75 FOOT	(SPECIAL)	
			POSTS	TANGENT	
	63304385	63301000	63000002	63100167	78201000
	EACH	FOOT	FOOT	EACH	EACH
LT. STA 12+37.04 TO LT. STA 12+62.04	1				
LT. STA 14+89.29 TO LT. STA 15+14.29	1				
RT. STA 12+19.72 TO RT. STA 12+44.72	1				
LT. STA 12+62.04 TO LT. STA 12+98.79		36.75			
LT. STA 14+52.54 TO LT. STA 14+89.29		36.75			
RT. STA 12+44.72 TO RT. STA 12+81.47		36.75			
LT. STA 14+89.29 TO LT. STA 15+51.79			62.5		
RT. STA 12+07.22 TO RT. STA 12+44.72			37.5		
LT. STA. 12+12.04 TO LT. STA. 12+62.04				1	1
LT. STA 15+51.79 TO LT. STA 16+01.79				1	1
RT. STA 11+57.22 TO RT. STA 12+07.22				1	1
TOTAL	3	110.25	100	3	3
USE	3	111	100	3	3

EROSION CONTROL						
	SEEDING	EROSION				
	CLASS 2	CONTROL				
LOCATION	(SPECIAL)	BLANKET				
	25001000	25100630				
	ACRE	SQ. YDS.				
T. STA 11+75.00 TO LT. STA 13+54.00	0.09	429				
T. STA 14+30.00 TO LT. STA 16+50.00	0.15	748				
T. STA 11+00.00 TO RT. STA 13+10.00	0.11	518				
T. STA 13+78.00 TO RT. STA 14+30.00	0.02	96				
OTAL	0.37	1791				
SE	0.40	1795				

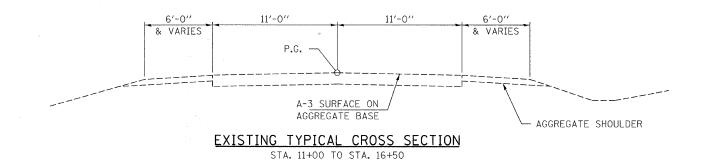
GENERAL NOTES

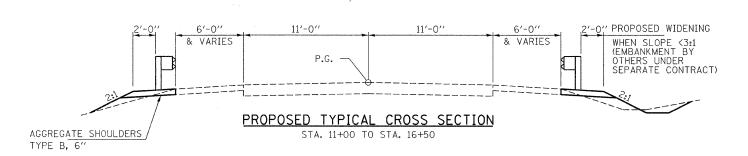
- 1 ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2 ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING OIL AND CHIP SURFACE WILL BE PAID FOR AS EARTH EXCAVATION.
- 3 THE LOCATIONS OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 4 WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 5 DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS..."
 ESTIMATED QUANTITY = SEEDING CLASS 2 (SPECIAL) = **0.4 ACRES**
- 6 THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SHOULDERS, TYPE B

2.05 TON/CU. YD.

7 FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATIONG AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES. DRAWINGS INDICATE ONLY APPROXIMATE LOCATIONS OF UTILITIES KNOW TO EXIST AT THE TIME OF DESIGN.

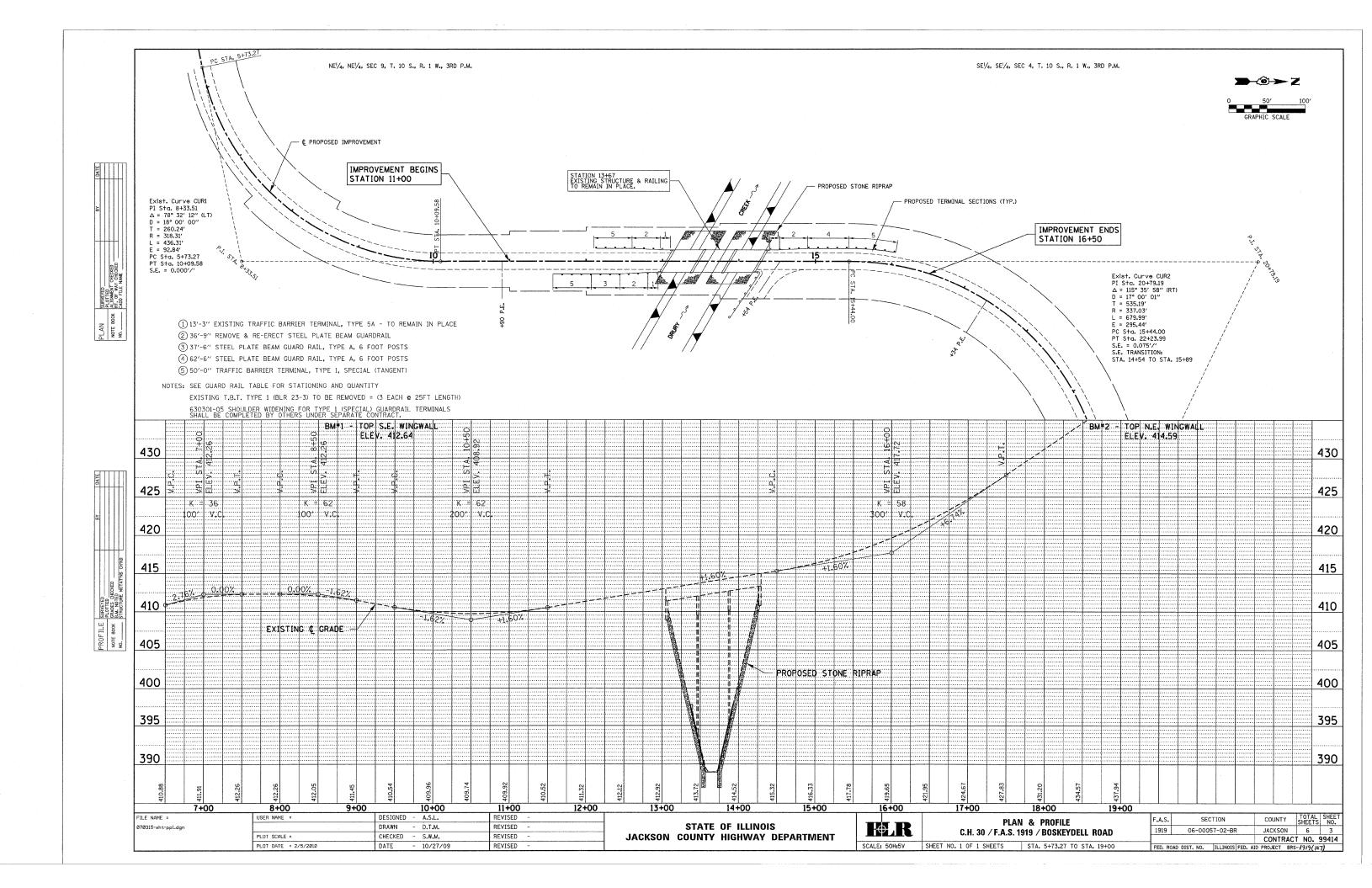


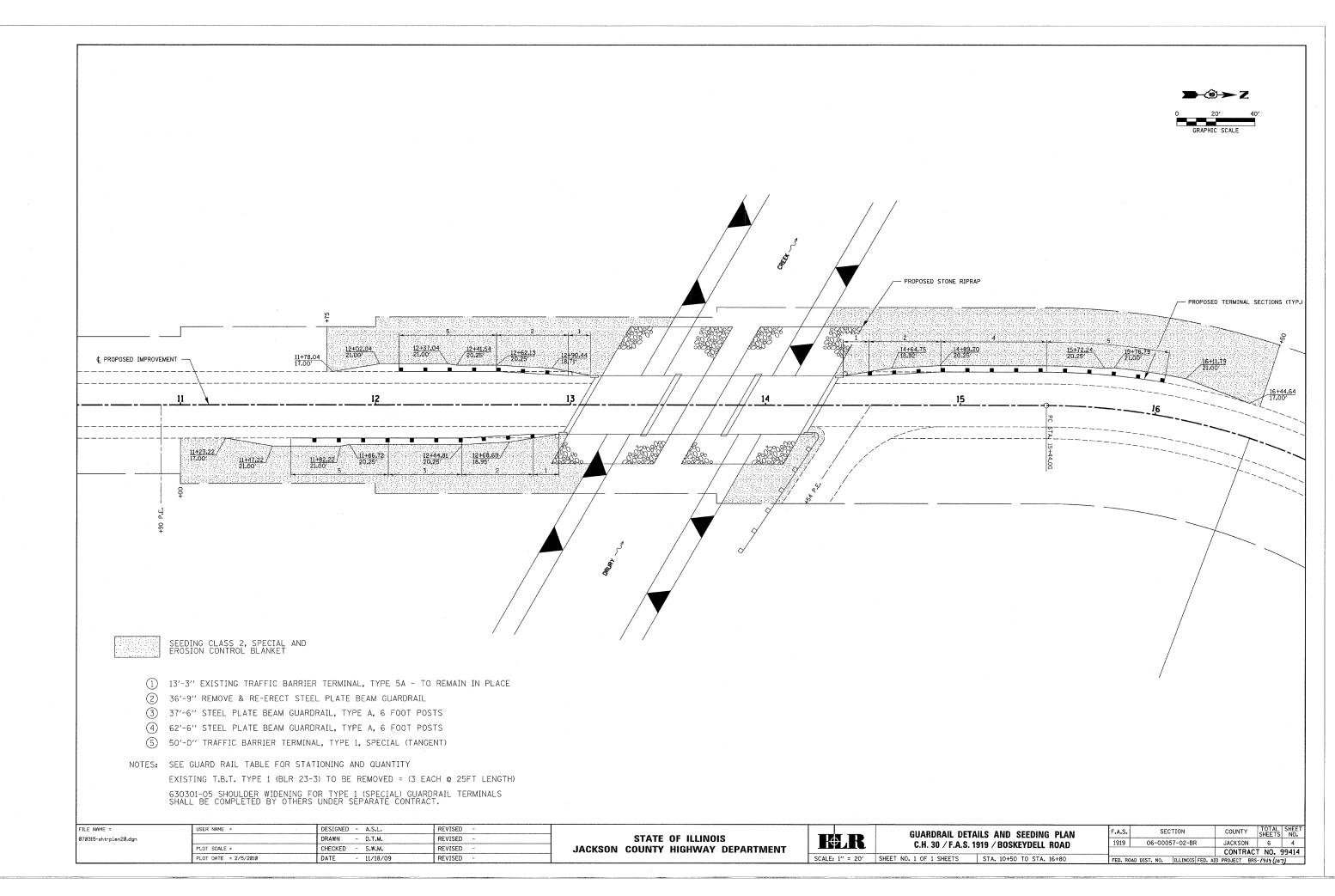


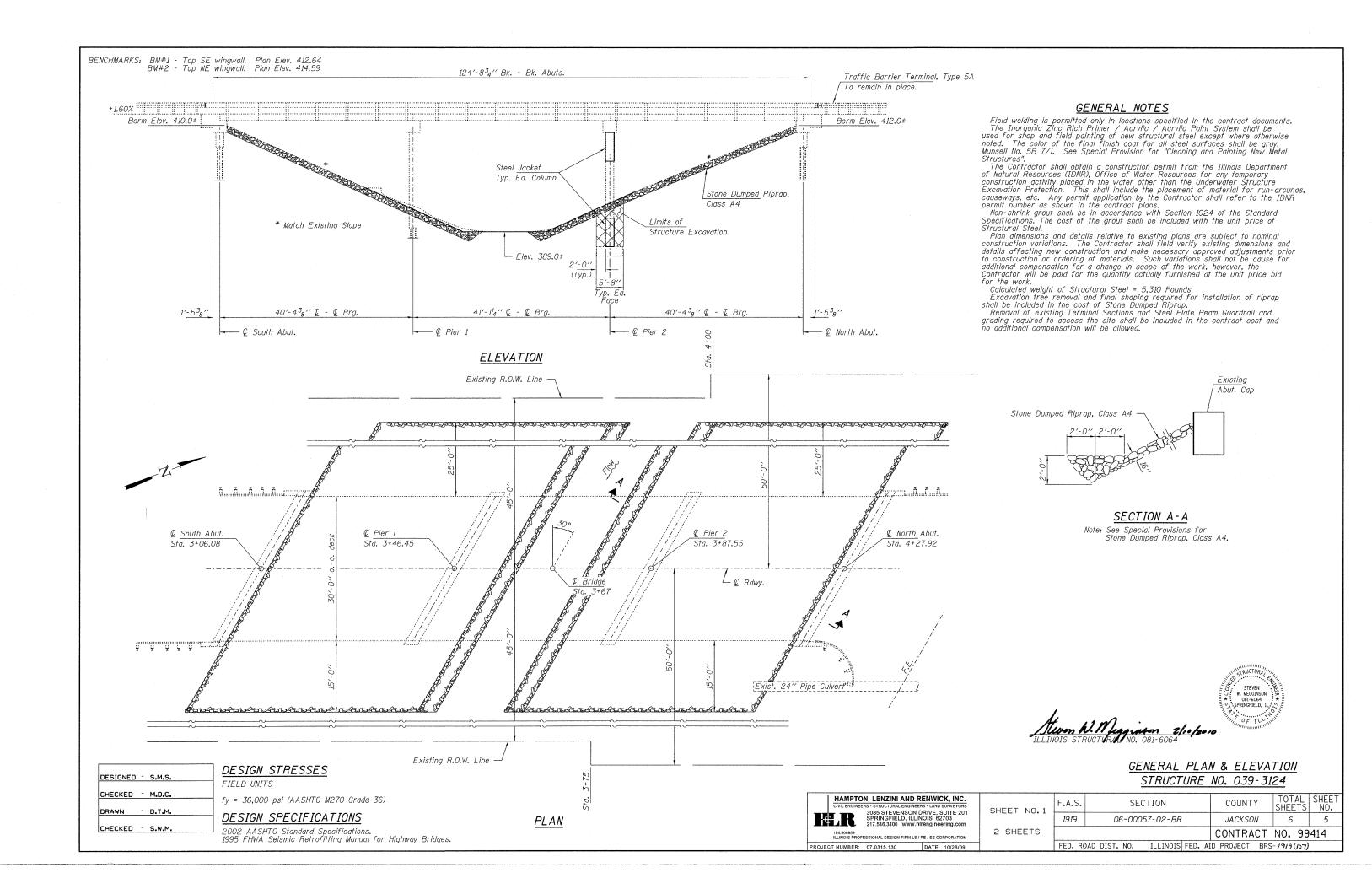
ı	FILE NAME =	USER NAME =	DESIGNED -	A.S.L.	REVISED -	
-	070315-sht-rdw.dgn		DRAWN -	D.T.M.	REVISED -	
١		PLOT SCALE =	CHECKED -	S.W.M.	REVISED -	
		PLOT DATE = 2/9/2010	DATE -	02/05/10	REVISED -	L

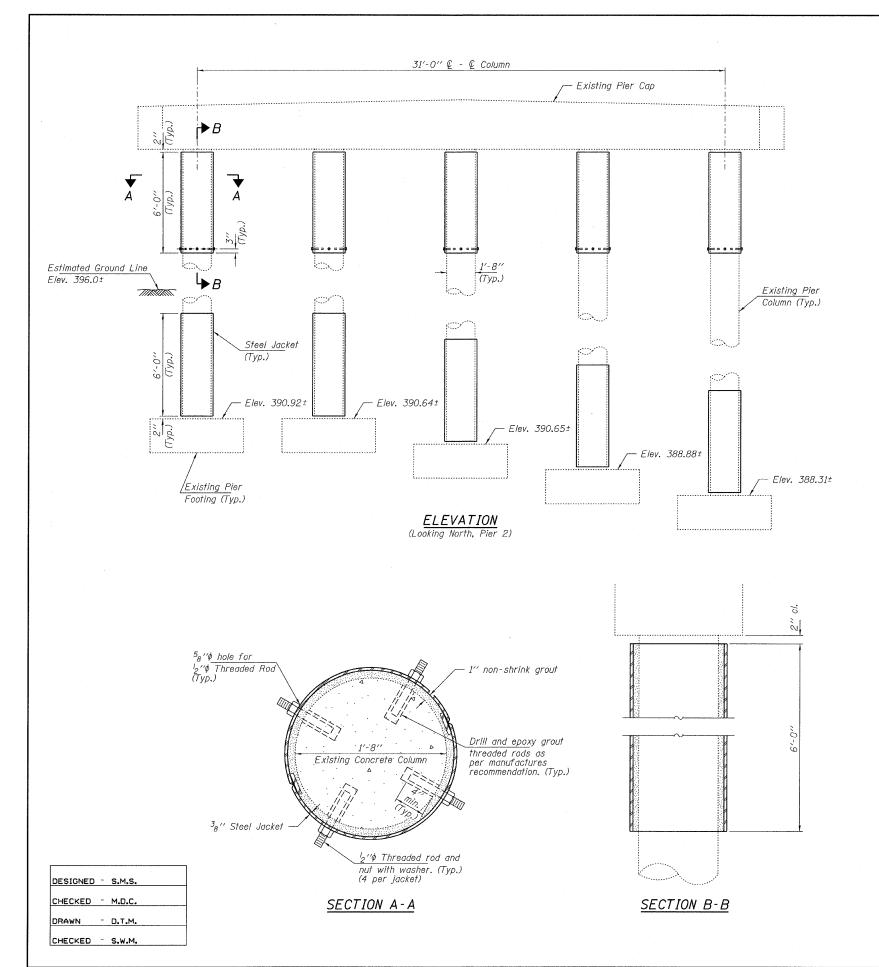
STATE OF ILLINOIS
JACKSON COUNTY HIGHWAY DEPARTMENT

	SUMMARY OF QUANTITIES & TYPICAL SECTIONS	F.A.S.	SECTION	COUNTY	TOTAL	Ţ
HAR	C.H. 30 / F.A.S. 1919 / BOSKEYDELL ROAD		06-00057-02-BR	JACKSON	6	I
		_		CONTRAC	T NO.	9
SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED, RO	AD DIST. NO. ILLINOIS FED. A	D PROJECT BRS	5-077(49)	







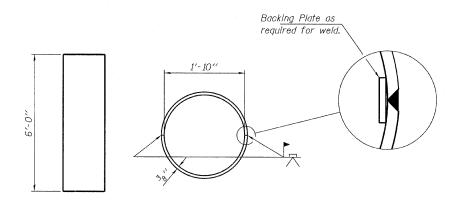


SUGGESTED SEQUENCE OF WORK

- 1. Excavate to top of the footings of Pier 2.
- Remove all dirt and debris from the concrete columns within the limits of the proposed steel jackets. (Cost included with price of Structure Excavation.)
- 3. Install and field weld steel jackets at designated locations.
- 4. Place non-shrink grout between concrete columns and steel jackets. The steel jacket and grout shall have a 2" clearance between the end of the steel jacket and the existing cap or footing.
- 5. After the grout has cured, the steel jacket shall be painted and allowed to cure.
- 6. Backfill the excavated material to its original condition around the base of the pier. (Cost included with the unit price for Structure Excavation.

Notes:

Threaded rods to be installed in top Jacket to secure in place. Cost included with unit price for Furnishing and Erecting Structural Steel. Alternates allowed upon approval of Engineer.



STEEL JACKET DETAIL

<u>PIER 2</u> STRUCTURE NO. 039-3124

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.348.3400 www.hirengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
PROJECT NUMBER: 07.0315.130 DATE: 10/28/09

SHEET NO. 2 2 SHEETS

F.A.S. SECTION COUNTY SHEETS NO.

1919 06-00057-02-BR JACKSON 6 6

CONTRACT NO. 99414

FED. ROAD DIST. NO. | ILLINOIS | FED. AID | PROJECT | BRS-/9/? (107)