

04-24-2015 LETTING ITEM 073

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

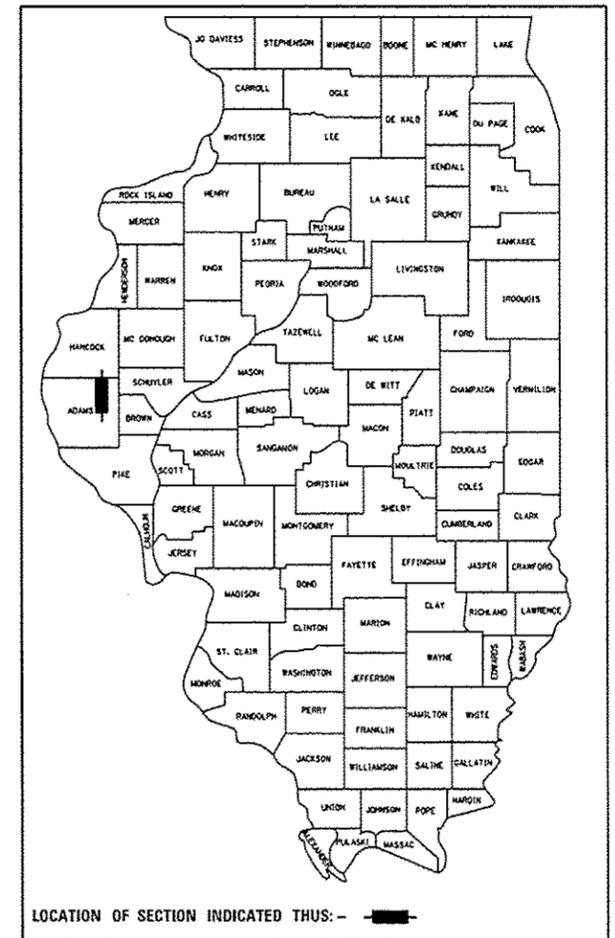
**PROPOSED
HIGHWAY PLANS**

FAP 518/733 (IL ROUTE 61/94)
SECTION (1) I-1
SCOUR COUNTERMEASURES
ADAMS COUNTY

C-96-006-15

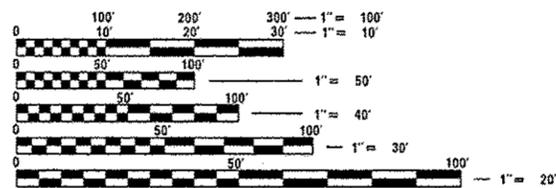
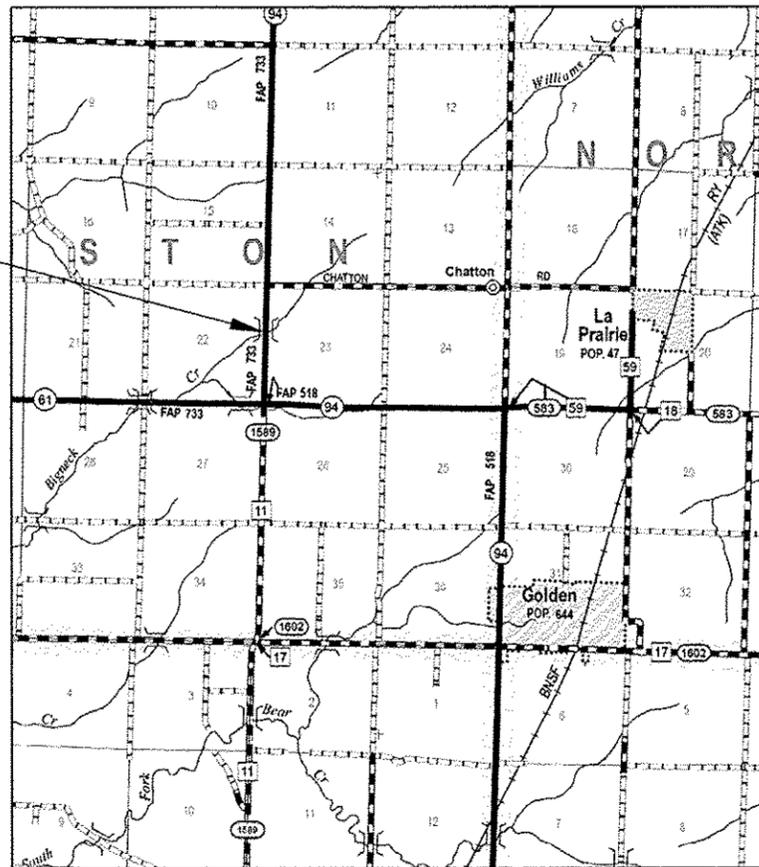
F.A.P. RTE. 518/733	SECTION (1) I-1	COUNTY ADAMS	TOTAL SHEETS 4	SHEET NO. 1
		ILLINOIS	CONTRACT NO. 72H35	

D-96-006-15



FOR INDEX OF SHEETS, SEE SHEET NO. 2

SCOUR MITIGATION
AT SN 001-0002,
IL 61/94 OVER BIG
NECK CREEK,
N40.1450, W91.0665



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: K. FIELDS
PROJECT MANAGER

CONTRACT NO. 72H35

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED September 15, 2014
Roger Z...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 20, 2015
Don D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

May 20, 2015
Chris Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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SUMMARY OF QUANTITIES

100% STATE
0044

CODE NO.	ITEM	UNIT	TOTAL
20300100	CHANNEL EXCAVATION	CU YD	141
28100207	STONE RIPRAP, CLASS A4	TON	233
28200200	FILTER FABRIC	SQ YD	214
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL & PROTECTION, STANDARD 701201	L SUM	1

5

GENERAL NOTES

This section shall be constructed in accordance with the plans; the Standard Specifications for Road and Bridge Construction, Adopted January 1, 2012; the Supplemental Specifications and Recurring Special Provisions indicated on the checksheet; and the Special Provisions included in the proposal.

The work included in this project consists of scour mitigation, channel excavation and all other work necessary to complete this section.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to the construction or ordering of material. Such variations shall not be cause for additional compensation or a change in the scope of work. The Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall be responsible for protecting utility property from construction operation as outlined in Article 107.31 of the Standard Specifications. The J.U.L.I.E. number is 800-892-0123. A minimum of 96 hours advance notice is requested.

G.N. - 281

The riprap gradation shall be in accordance with the gradation specified in the plans, or, with approval of the Engineer, a riprap gradation meeting a D50 greater than or equal to 0.8 feet for A4. D50 is defined as the mean rock size as described in the FHWA Hydraulic Engineering Circulars (HEC 11, HEC 14, AND HEC 15).

If gravel is used for the bedding material under riprap, the gravel shall be crushed as allowed under Article 1005.01.

The cost of bedding material will not be paid for separately but should be included in the cost of riprap.

Any disturbances to ditches, slopes or other areas within the work area shall be regraded and reseeded at the Contractor's expense at the completion of the contract.

INDEX OF SHEETS

- 1 Cover Sheet
- 2 Summary of Quantities, Highway Standards, General Notes & Index of Sheets
- 3-4 Scour Mitigation Plan Sheets

LIST OF HIGHWAY STANDARDS

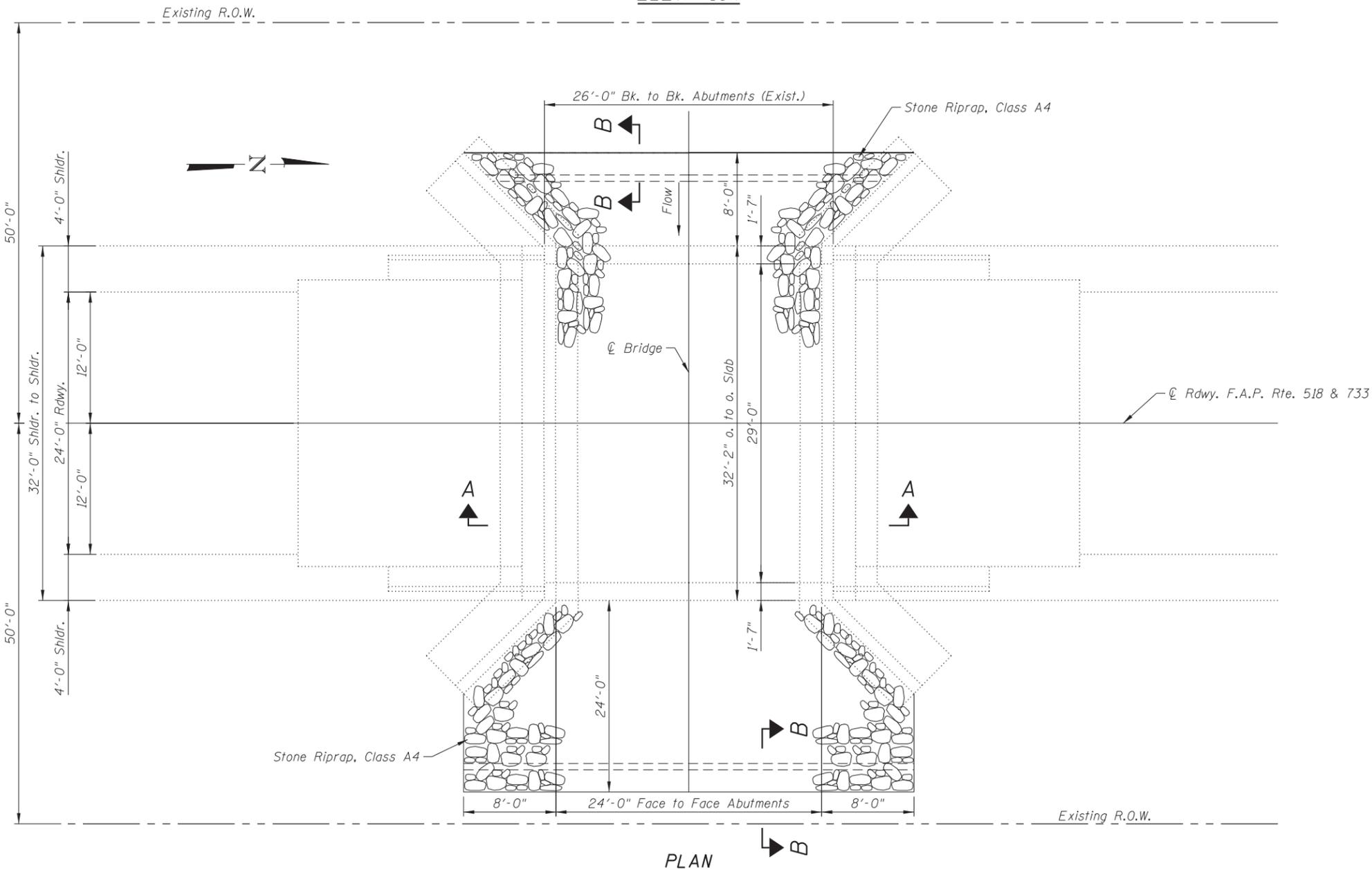
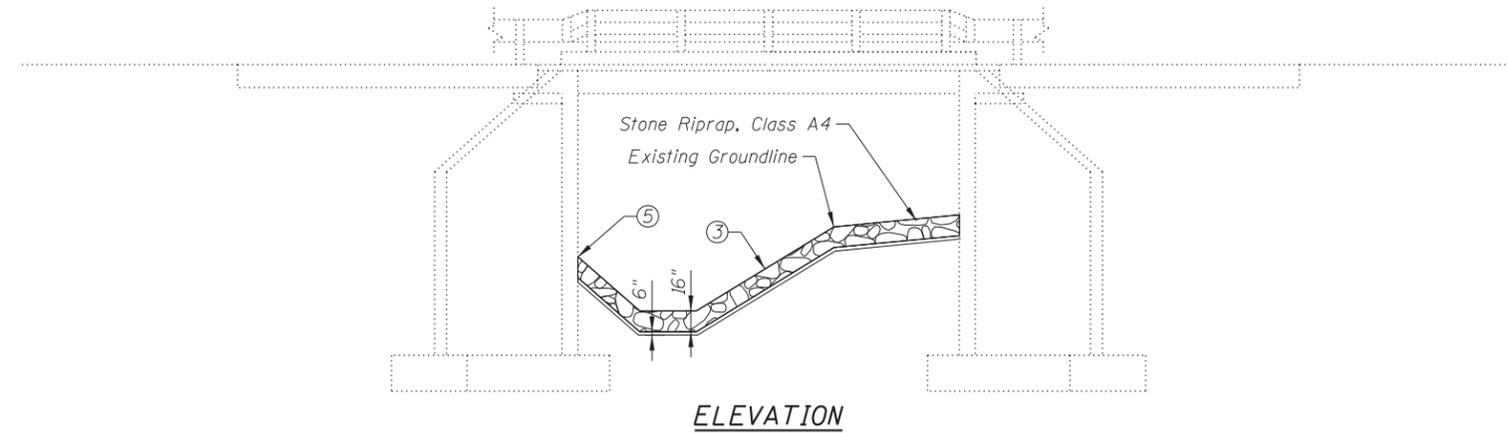
- 000001-06 Standard Symbols, Abbreviations and Patterns
- 001006 Decimal of an Inch and of a Foot
- 701201-04 Lane Closure, 2L, 2W, Day Only, For Speeds ≥ 45 MPH
- 701901-04 Traffic Control Devices

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	AUGUST 22 ND 20 14 <i>John C. Wenzel</i> ENGINEER OF OPERATIONS
EXAMINED	August 6 20 14 <i>Ron Duchambeau</i> ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	August 6 20 14 <i>William P. Meyer</i> ENGINEER OF PROGRAM DEVELOPMENT

IL ROUTE 61/94 OVER
BIG NECK CREEK
FAP ROUTE 518 & 733
ADAMS COUNTY
STRUCTURE NO. 001-0002

FILE NAME *	USER NAME *	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES, HIGHWAY STANDARDS, GENERAL NOTES & INDEX OF SHEETS	F.A.P. RTE. 513/733	SECTION (1) I-1	COUNTY ADAMS	TOTAL SHEETS 4	SHEET NO. 2
		CHECKED -	REVISED							
		DRAWN -	REVISED							
		CHECKED -	REVISED		SHEET NO. 2 OF 4 SHEETS					CONTRACT NO. 72H35
										ILLINOIS FED. AID PROJECT

Existing Structure: Built in 1924, Structure Number 001-0002 consists of a one span (26'-0" Back to Back Abutments) reinforced concrete slab bridge with a clear bridge roadway width of 29'-0", with pile-supported closed abutments.

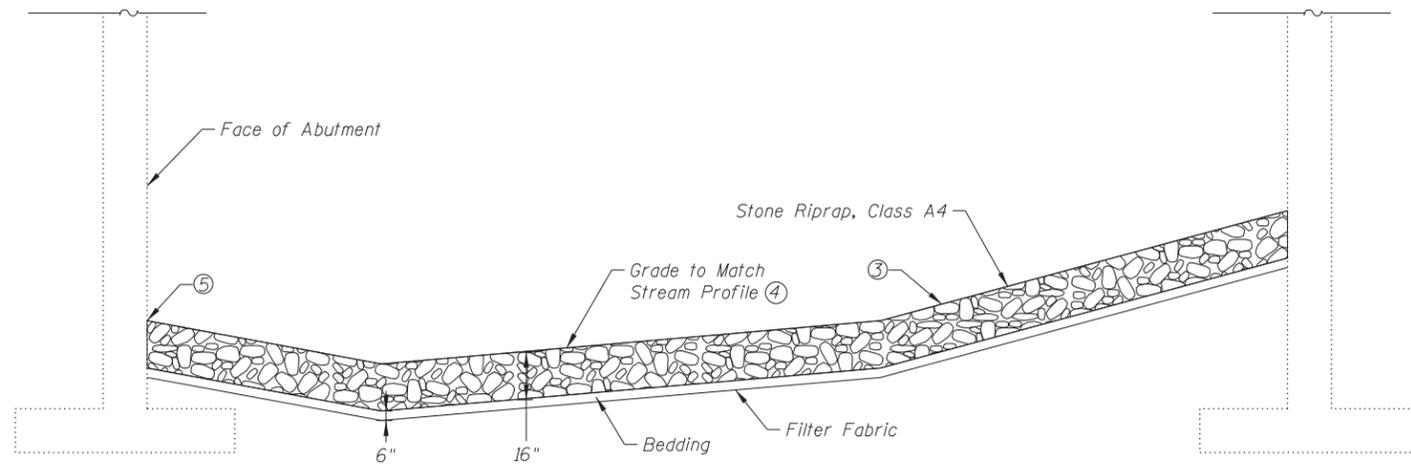


- Notes:
- ① The Contractor shall field verify existing dimensions, details, and conditions affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
 - ② Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Slope protection system shall be placed in a manner that does not reduce the total waterway opening.
 - ③ Grade channel bank to a slope that will provide a stable base for riprap as directed by the Engineer, cost included in Channel Excavation.
 - ④ Grade streambed so that the top of the Stone Riprap approximately matches the existing stream profile as directed by the Engineer. Filling of scour holes may be required.
 - ⑤ At the abutment face, the filter fabric shall not be lower than the top of footing.
 - ⑥ Additional excavation and reshaping of channel and bank may be required to facilitate proper placement of Stone Riprap as directed by the Engineer. Cost to be included as Channel Excavation.
 - ⑦ Channel Excavation shall include the cost of removing and disposing of existing riprap, concrete, brush, rubble, or other material as encountered.
 - ⑧ Contractor to locate existing underground utilities. Where existing underground utilities conflict with riprap placement, the Contractor shall adjust the layout as directed by the Engineer.
 - ⑨ Vertical clearance from groundline to bottom of superstructure varies between 8 and 12 feet. Actual conditions may vary.
 - ⑩ Estimated quantities. Actual quantities to be determined in the field.
 - ⑪ Under no circumstances are the bridge abutment footings to be uncovered. If footings are encountered during excavation, riprap thickness will be above footing as required to match into the existing streambed profile and as directed by the Engineer.
 - ⑫ For Sections A-A and B-B See Sheet 4 of 4.

⑩ **TOTAL BILL OF MATERIALS**

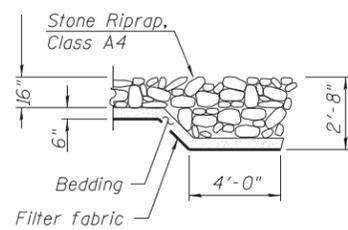
ITEM	UNIT	TOTAL
⑦ CHANNEL EXCAVATION	CU YD	141
STONE RIPRAP, CLASS A4	TON	233
FILTER FABRIC	SQ YD	214

**PLAN AND ELEVATION
ILLINOIS ROUTE 61/94
OVER BIG NECK CREEK
F.A.P. ROUTE 518 & 733
STRUCTURE NO. 001-0002**



SECTION A-A

- Notes:
1. For locations of Sections A-A & B-B see Sheet 3 of 4.
 2. The designation (3), etc. refers to a note number. See Sheet 3 of 4 for numbered notes.



SECTION B-B

RIPRAP DETAILS
ILLINOIS ROUTE 61/94
OVER BIG NECK CREEK
F.A.P. ROUTE 518 & 733
ADAMS COUNTY
STRUCTURE NO. 001-0002

FILE NAME =	USER NAME =	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIPRAP DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED			518/733	(1) I-1	ADAMS	4	4	
PLOT SCALE =		DRAWN -	REVISED			CONTRACT NO. 72H35					
PLOT DATE =		CHECKED -	REVISED			ILLINOIS FED. AID PROJECT					
SHEET NO. 4 OF 4 SHEETS											