

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION DIST 8 SCOUR MIT 2015-2

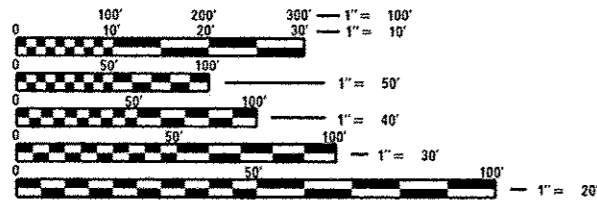
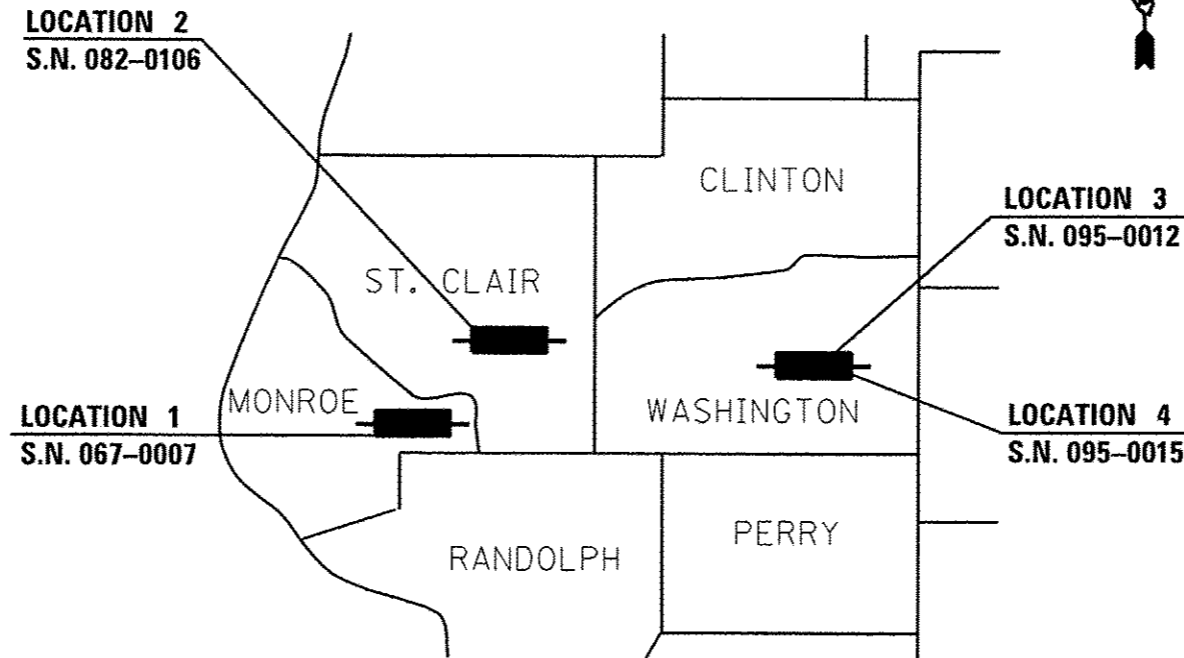
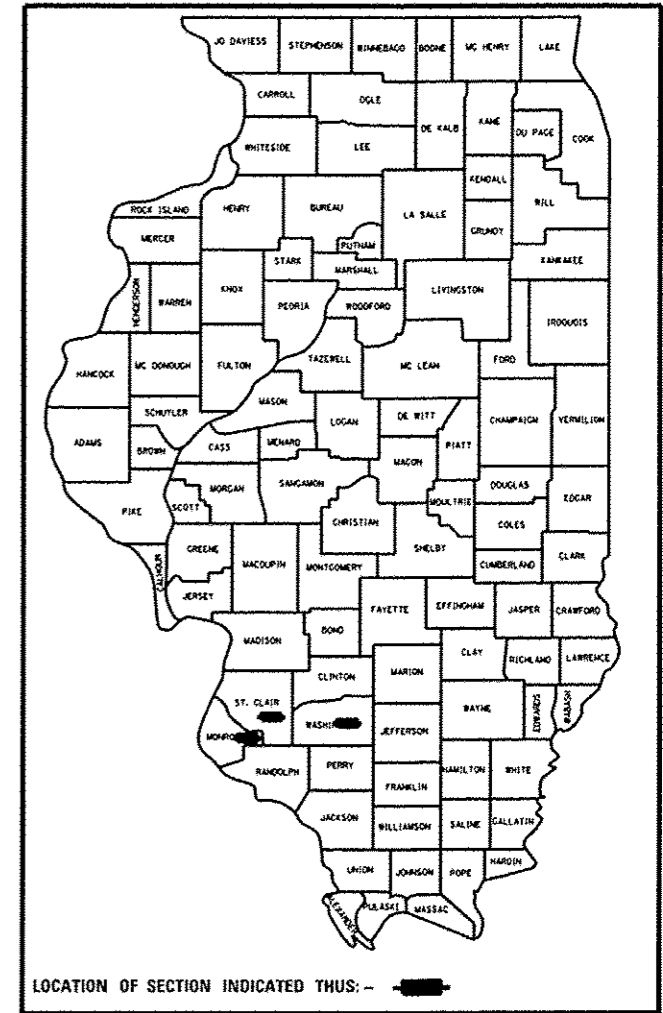
SCOUR MITIGATION  
VARIOUS COUNTIES

C-98-072-14

FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 SCOUR MIT 2015-2	VARIOUS	10	1
		ILLINOIS	CONTRACT NO. 76H43	

D-98-069-14



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

PROJECT ENGINEER: TIM PADGETT 618-346-3325  
PROJECT MANAGER: PHILIP COPPERNOLL 618-346-3480

NOT TO SCALE

CONTRACT NO. 76H43

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Aug 18 20 14

Jeffrey T. Kenney  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Oct 17 20 14  
Dun D. Baramali, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17 20 14  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN ILLINOIS (GAS & ELECTRIC)
- AT&T ILLINOIS (COMMUNICATIONS)
- CHARTER COMMUNICATIONS, INC. (CABLE TV)
- CLEARWAVE COMMUNICATIONS (COMMUNICATIONS)
- COUNTRYMARK COOPERATIVE, LLP (PIPELINE)
- FRONTIER NORTH, INC. (COMMUNICATIONS)
- HARRISONVILLE TELEPHONE COMPANY (COMMUNICATIONS)
- MASCOUTAH COMMUNITY UNIT SCHOOL DISTRICT #19 (COMMUNICATIONS)
- MEDIACOM (CABLE TV)
- MONROE COUNTY ELECTRIC CO-OPERATIVE, INC. (ELECTRIC)
- TRI-COUNTY ELECTRIC COOPERATIVE, INC. (ELECTRIC)
- WASHINGTON COUNTY WATER CO. (WATER)

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. ONLY SHORT TERM LANE CLOSURES SHALL BE ALLOWED FOR MOVEMENT OF EQUIPMENT AND AS DIRECTED BY THE ENGINEER.
4. FLAGGERS SHALL BE PRESENT DURING LANE CLOSURES AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. THE CONTRACTOR SHALL BE AWARE OF THE CONDITIONS OF THE 404 PERMIT REGARDING EROSION CONTROL MEASURES AND BE IN COMPLIANCE WITH THEM.
6. IN ORDER TO AVOID EROSION OF THE EXCAVATED AREAS, THE CONTRACTOR SHALL HAVE RIPRAP PLACED WITHIN 24 HOURS OF EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER DUE TO ADVERSE WEATHER CONDITIONS.
7. "TRUCKS ENTERING AND LEAVING" SIGNS SHALL BE REQUIRED AND PLACED ACCORDING TO THE ENGINEER'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ACCESS TO WORK AREAS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. ANY AREAS DISTURBED FOR ANY REASON SHALL BE TEMPORARILY AND PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN, AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, ADT
- 3 SUMMARY OF QUANTITIES
- 4-6 LOCATION MAPS
- 7-10 PLAN SHEETS

HIGHWAY STANDARDS

- 000001-06
- 701001-02
- 701006-05
- 701201-04
- 701301-04
- 701901-03

COMMITMENTS

NONE

ADT

LOCATION 1  
MONROE COUNTY  
2013 ADT = 4250 (ACTUAL)  
2014 ADT = 4300 (ESTIMATED)  
SU = 5.1%  
MU = 2.8%

LOCATION 2  
ST. CLAIR COUNTY  
2013 ADT = 2800 (ACTUAL)  
2014 ADT = 2850 (ESTIMATED)  
SU = 3.2%  
MU = 3.2%

LOCATION 3  
WASHINGTON COUNTY  
2013 ADT = 2200 (ACTUAL)  
2014 ADT = 2250 (ESTIMATED)  
SU = 4.1%  
MU = 2.7%

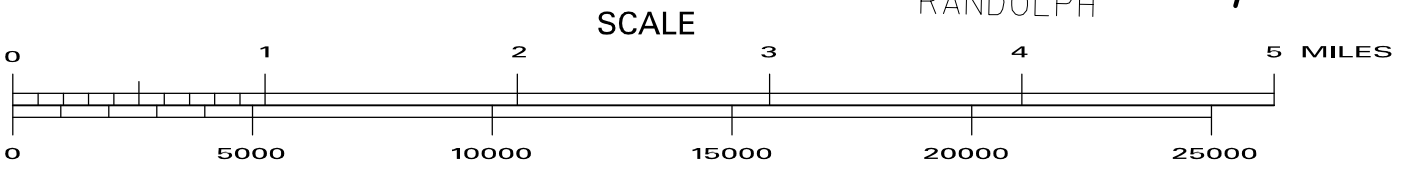
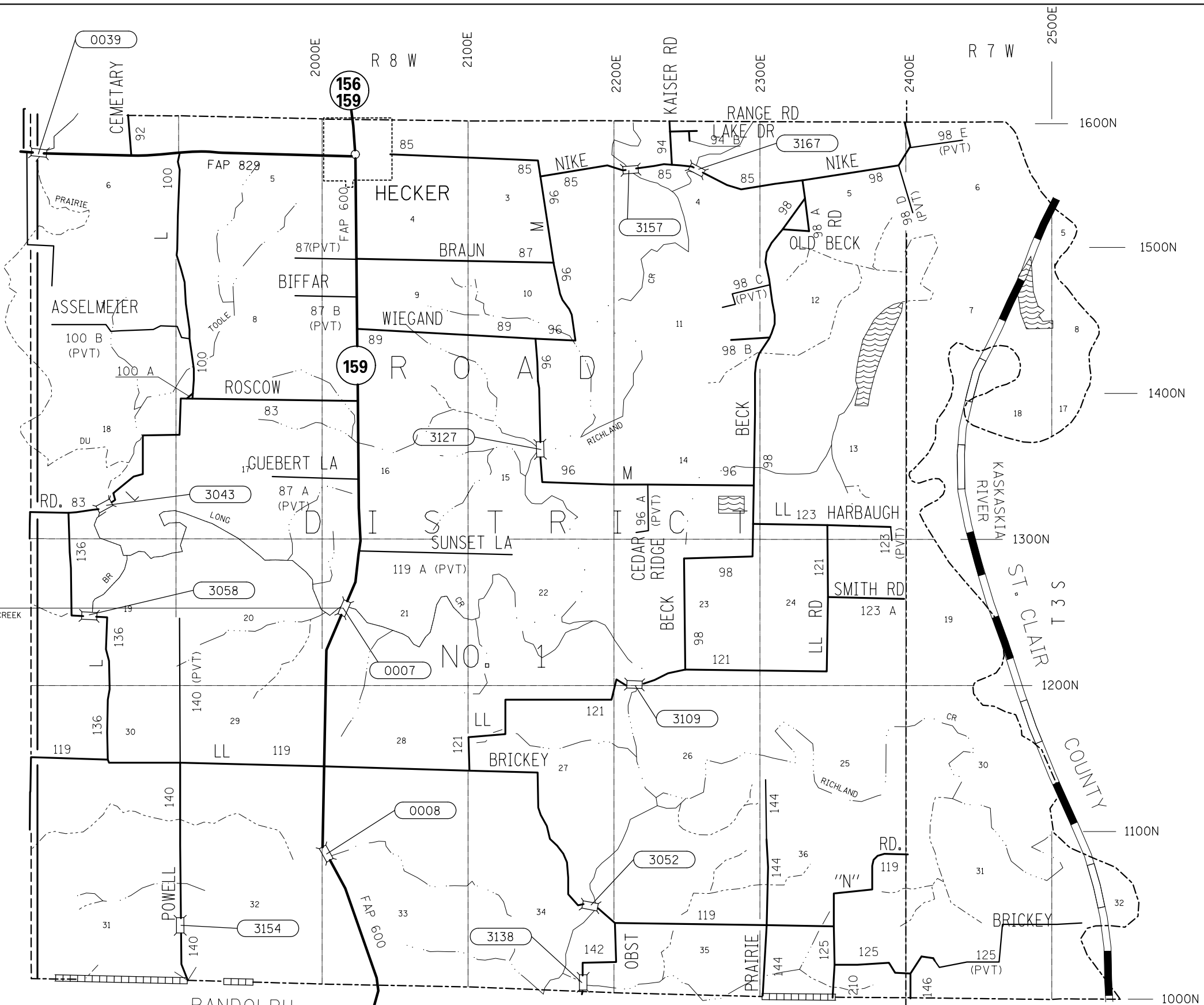
LOCATION 4  
WASHINGTON COUNTY  
2013 ADT = 2000 (ACTUAL)  
2014 ADT = 2050 (ESTIMATED)  
SU = 3.5%  
MU = 3.0%

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	PLOT DATE = 8/18/2014	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

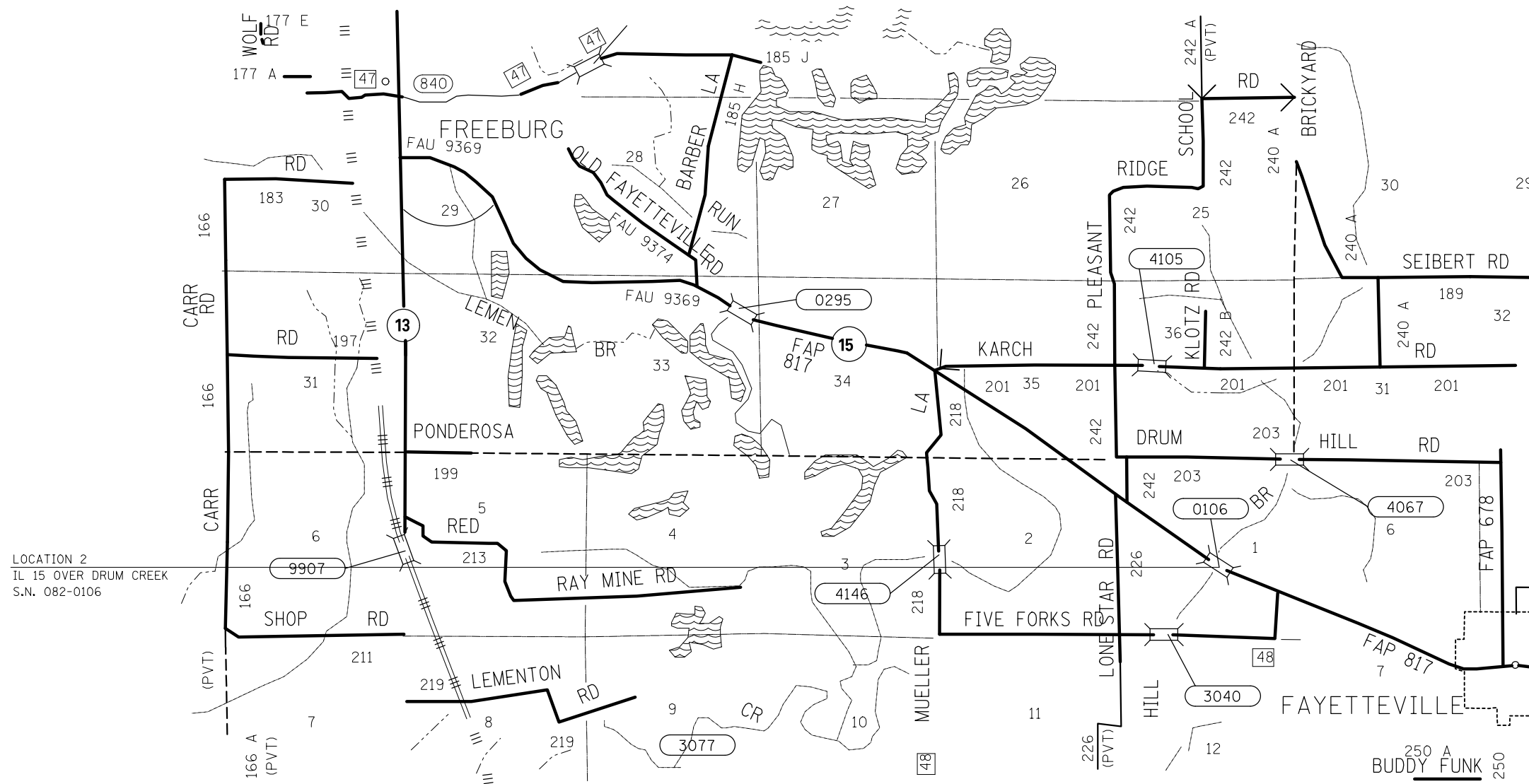




LOCATION 1  
IL 159 OVER PRAIRIE DU LONG CREEK  
S.N. 067-0007

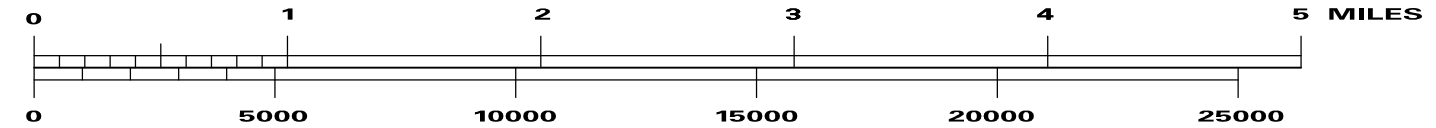


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								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

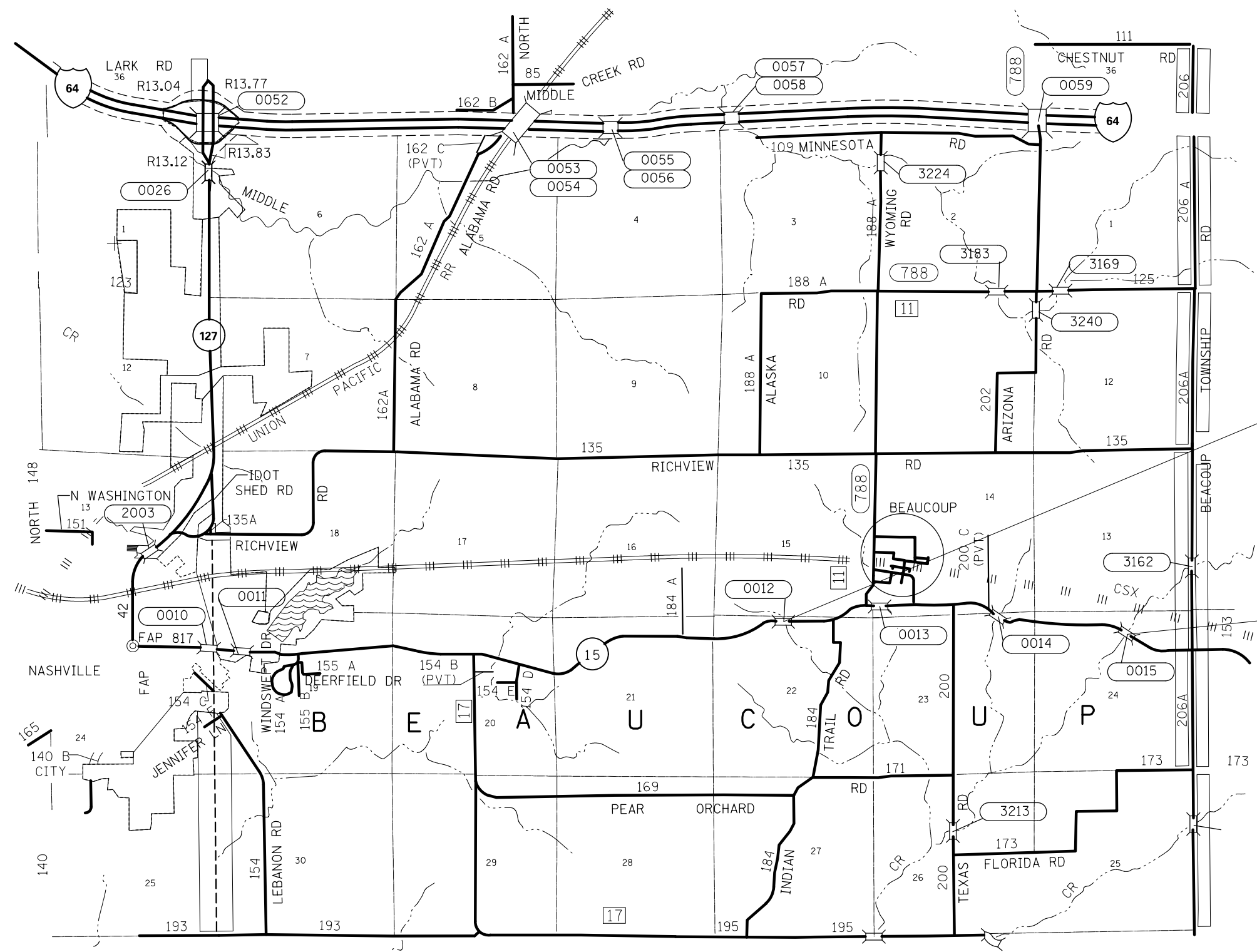


LOCATION 2  
IL 15 OVER DRUM CREEK  
S.N. 082-0106

SCALE



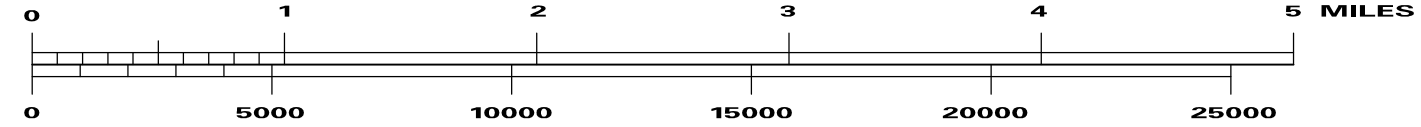
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	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	VAR. DIST 8 SCOUR MIT 2015-2	VARIOUS	10	5
	PLOT DATE = 8/18/2014	CHECKED -	REVISED -		CONTRACT NO. 76H43							
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



LOCATION 3  
IL 15 OVER BEACOUPE CREEK WEST BRANCH  
S.N. 095-0012

LOCATION 4  
IL 15 OVER BLACK CREEK  
S.N. 095-0015

SCALE



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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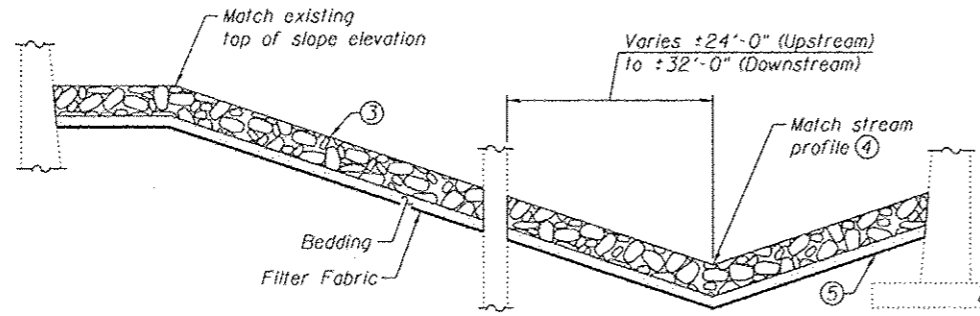
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATIONS 3 & 4 - MAP

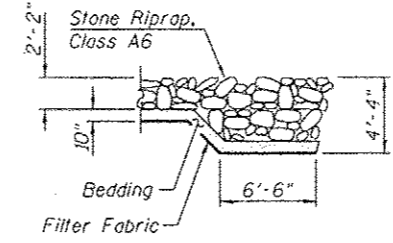
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. DIST 8 SCOUR MIT 2015-2		VARIOUS	10	6
CONTRACT NO. 76H43				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Existing Structure: S.N. 067-0007 consists of a two span continuous steel stringer superstructure supported on concrete closed abutments founded on spread footings on timber piles and an individual pile bent pier founded on precast concrete piles.



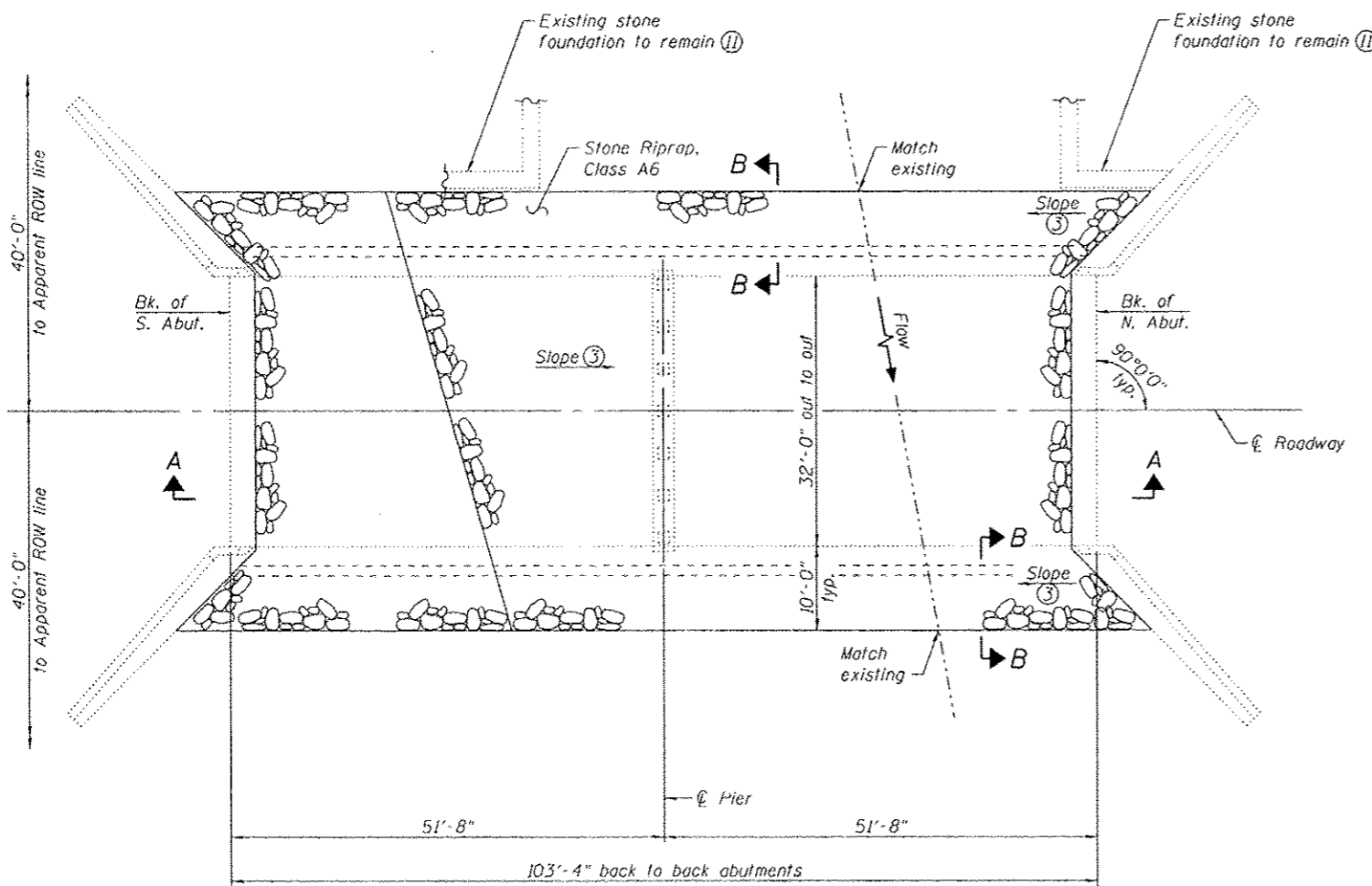
SECTION A-A



SECTION B-B



- 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 scope of the 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. Cost included in Channel Excavation.
  - 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.
  - ⑦ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, 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 Elevation view shown as of February 3, 2014. Actual conditions may vary.
  - ⑩ Estimated quantities. Actual quantities to be determined in the field.
  - ⑪ Adjust riprap layout as required to avoid existing stone foundations.



PLAN



ELEVATION VIEW ⑨  
(Looking East)

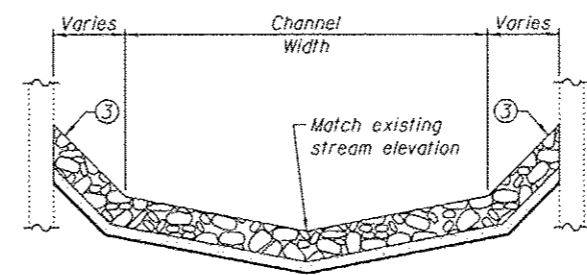
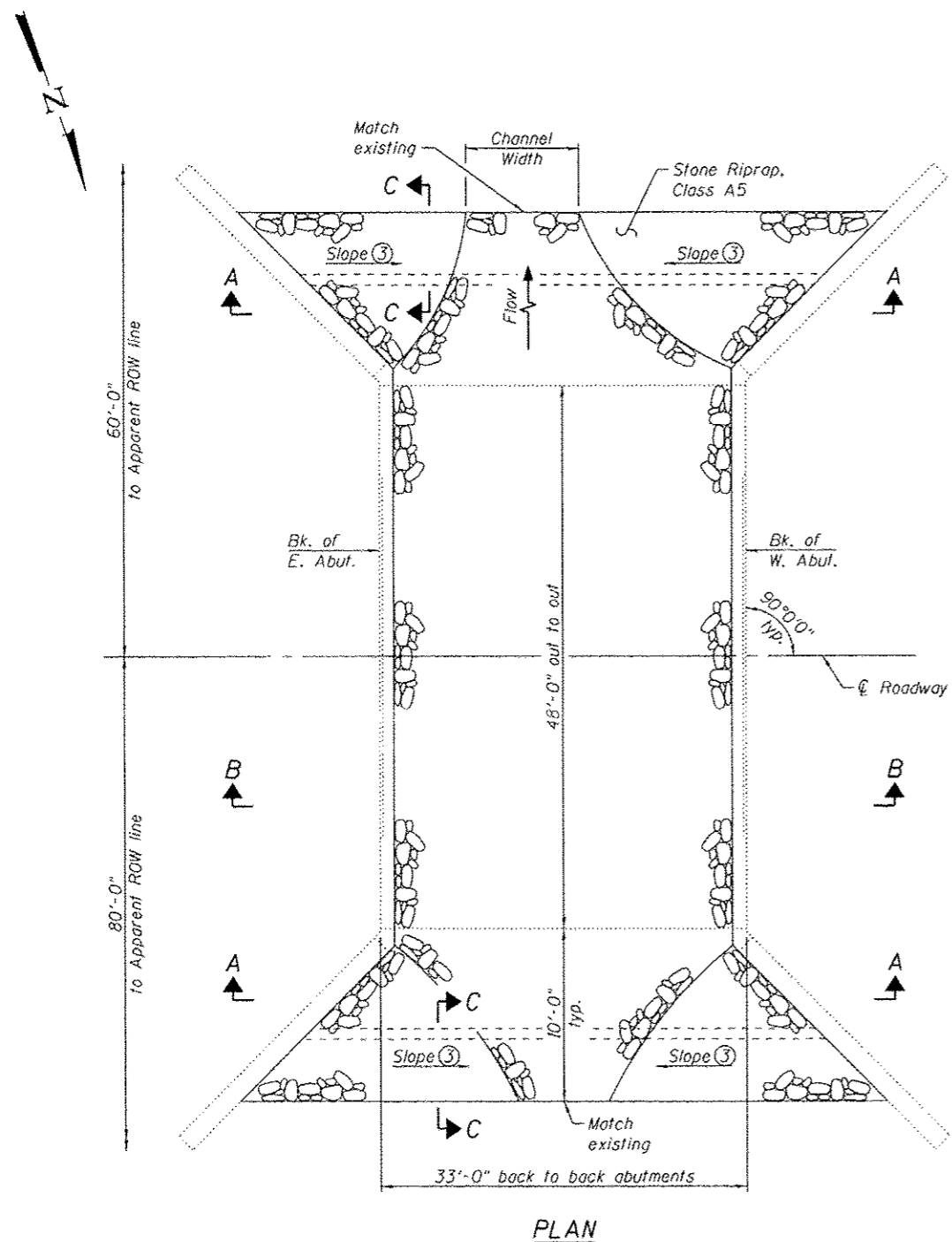
DATE: 8/15/2014  
 EXPIRATION: 11/30/2015

TOTAL BILL OF MATERIAL ⑩

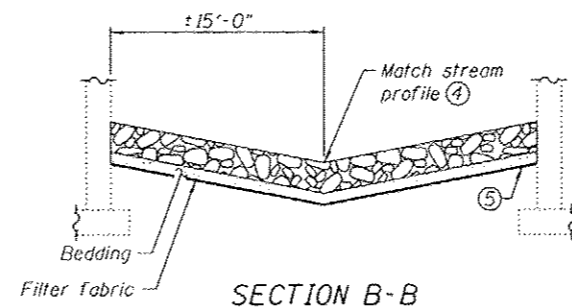
CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	30
28100111	Stone Riprap, Class A6	Sq. Yd.	610
28200200	Filter Fabric	Sq. Yd.	610

IL ROUTE 159 OVER PRAIRIE DU LONG CREEK  
STRUCTURE NO. 067-0007

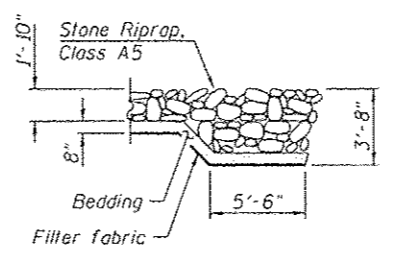
Existing Structure: S.N. 082-0106 consists of a single span slab superstructure supported on concrete closed abutments founded on spread footings.



SECTION A-A



SECTION B-B



SECTION C-C

- 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 scope of the 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. Cost included in Channel Excavation.
  - 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.
  - ⑦ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, 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 streambed to bottom of superstructure is approximately 11'. Elevation view shown as of February 3, 2014. Actual conditions may vary.
  - ⑩ Estimated quantities. Actual quantities to be determined in the field.



ELEVATION VIEW ⑨  
(Looking South)

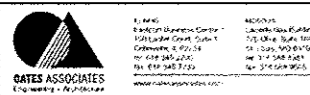
TOTAL BILL OF MATERIAL ⑩

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	25
28100109	Stone Riprap, Class A5	Sq. Yd.	255
28200200	Filter Fabric	Sq. Yd.	255

DANIEL GEORGE LUZZI  
062-060383  
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 8/15/2014  
EXPIRATION: 11/30/2017

IL ROUTE 15 OVER DRUM CREEK  
STRUCTURE NO. 082-0106



USER NAME	DESIGNED - MAG	REVISIONS
	CHECKED - JAD	REVISIONS
PLOT SCALE	DRAWN - MAG	REVISIONS
PLOT DATE	CHECKED - JAD	REVISIONS

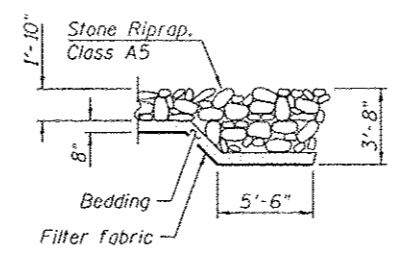
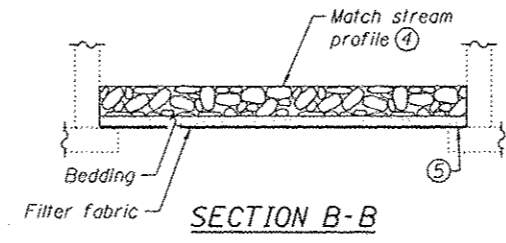
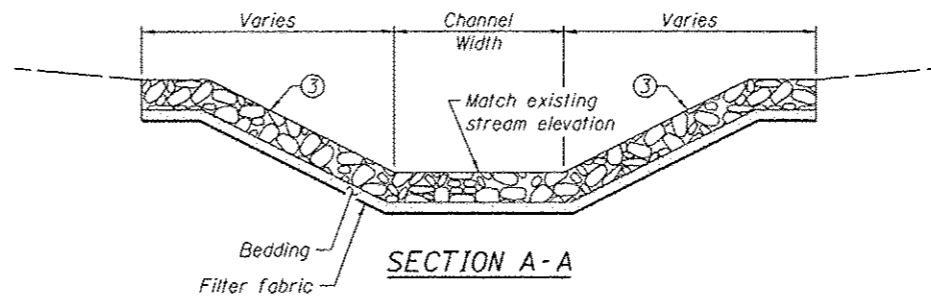
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	10	8
CONTRACT NO. 76H43				
ILLINOIS FED. AID PROJECT				

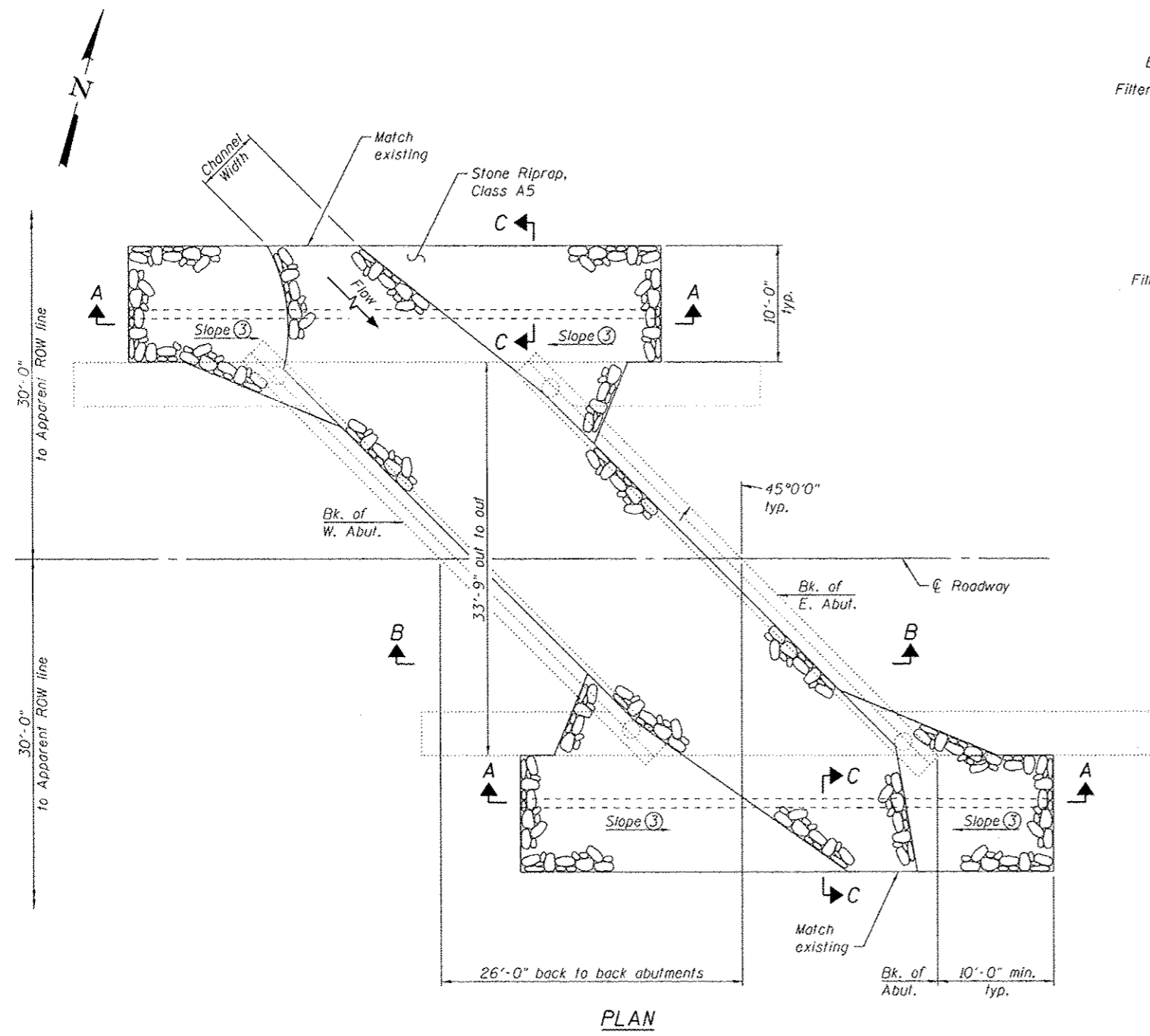


Existing Structure: S.N. 095-0012 consists of a single span precast concrete channel beam superstructure supported on concrete closed abutments founded on spread footings and one metal shell pile at each abutment corner.

- 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 scope of the 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. Cost included in Channel Excavation.
  - 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.
  - ⑦ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, 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 streambed to bottom of superstructure is approximately 6'. Elevation view shown as of January 31, 2014. Actual conditions may vary.
  - ⑩ Estimated quantities to be determined in the field.



ELEVATION VIEW ⑨  
(Looking South)



TOTAL BILL OF MATERIAL ⑩

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	10
28100109	Stone Riprap, Class A5	Sq. Yd.	215
28200206	Filter Fabric	Sq. Yd.	215

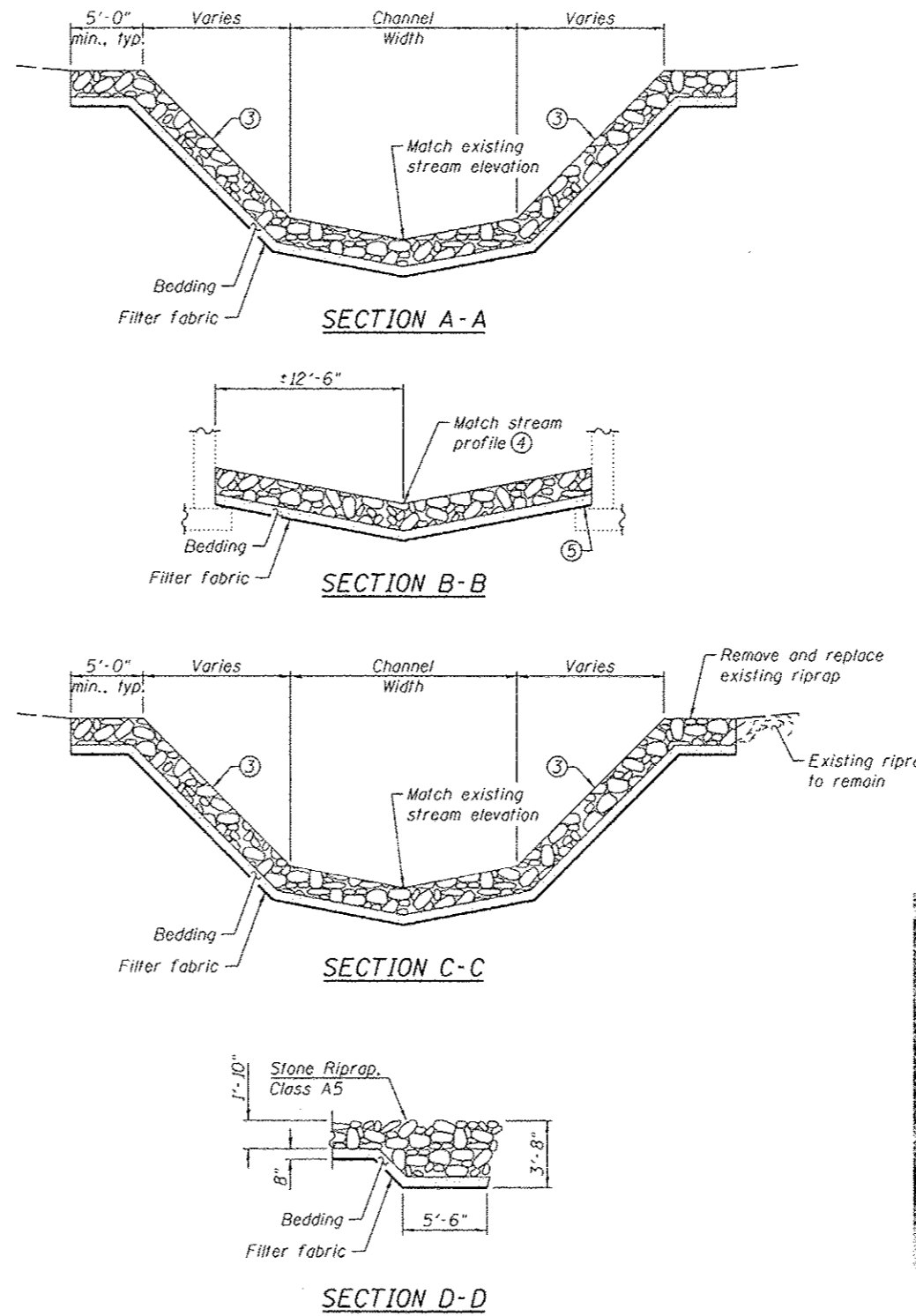
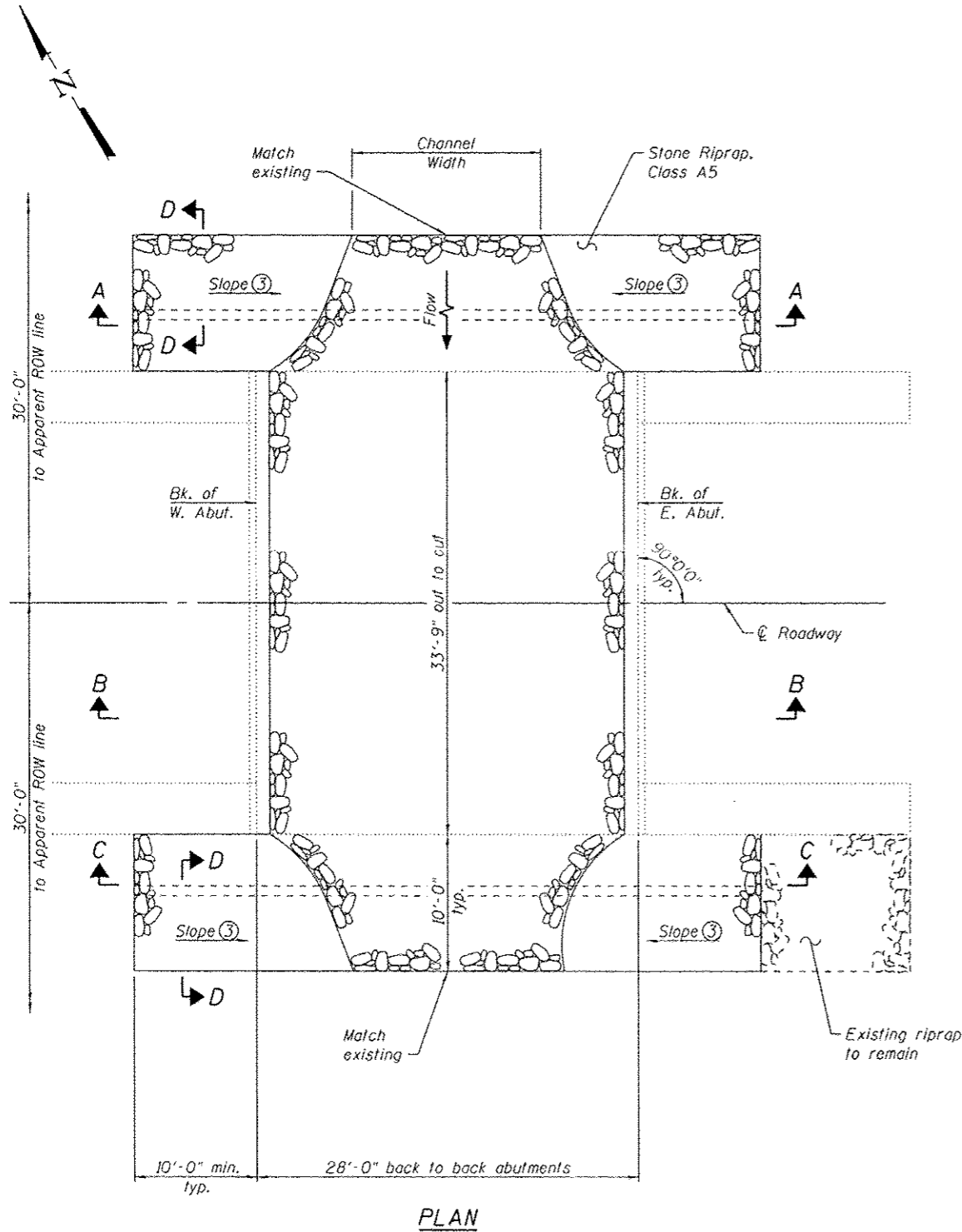
DANIEL GEORGE LUTZ  
062-060383  
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

*D.G. Lutz*

DATE: 8/15/2014  
EXPIRATION: 11/30/2015

IL ROUTE 15 OVER BEAUCOUP CREEK WEST BRANCH  
STRUCTURE NO. 095-0012

Existing Structure: S.N. 095-0015 consists of a single span precast concrete channel beam superstructure supported on concrete closed abutments founded on spread footings.



- Notes:
- 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
  - 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.
  - Grade channel bank to a slope that will provide a stable base for riprap as directed by the Engineer. Cost included in Channel Excavation.
  - Grade streambed so that the top of the Stone Riprap approximately matches the existing stream profile as directed by the Engineer. Cost included in Channel Excavation.
  - At the abutment face, the filter fabric shall not be lower than the top of footing.
  - Additional excavation and reshaping of channel and bank may be required to facilitate proper placement of Stone Riprap as directed by the Engineer.
  - Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, rubble, or other material as encountered.
  - 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.
  - Vertical clearance from streambed to bottom of superstructure is approximately 9'. Elevation view shown as of January 31, 2014. Actual conditions may vary.
  - Estimated quantities. Actual quantities to be determined in the field.



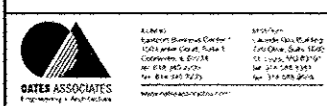
ELEVATION VIEW (Looking North)

TOTAL BILL OF MATERIAL

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	20
28100109	Stone Riprap, Class A5	Sq. Yd.	220
28200200	Filter Fabric	Sq. Yd.	220

DANIEL GEORGE LUZE  
 062-060383  
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS  
 DATE: 8/14/2014  
 EXPIRATION: 11/30/2015

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



USER NAME	DESIGNED	REVISIONS
MAG	MAG	1
JAD	JAD	2
MAG	MAG	3
JAD	JAD	4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WASHINGTON	10	10
CONTRACT NO. 76H43				
ILLINOIS FED. AID PROJECT				