

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

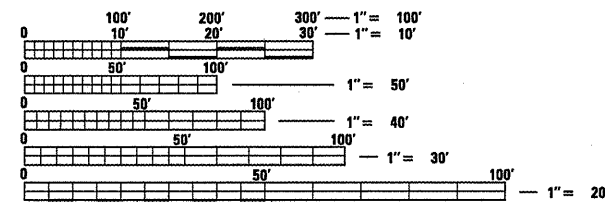
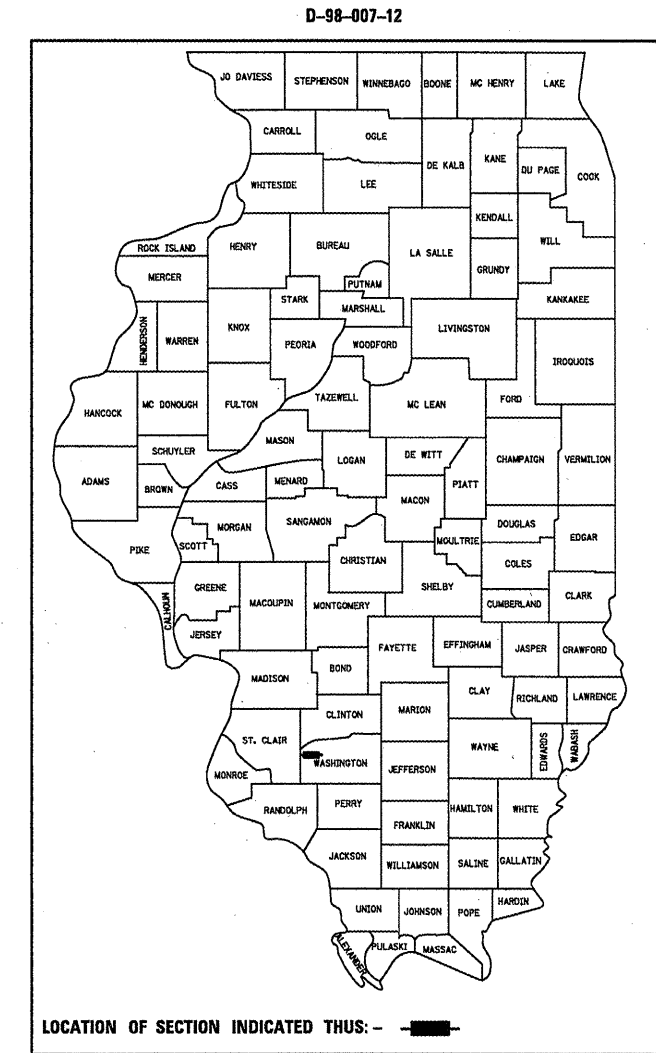
FAP ROUTE 817 (IL 15)
SECTION: 6-1
PROJECT HSIP-0817(010)
SAFETY SHOULDER
WASHINGTON COUNTY

C-98-006-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	6-1	WASHINGTON	7	1
		ILLINOIS	CONTRACT NO. 76F17	

INDEX OF SHEETS

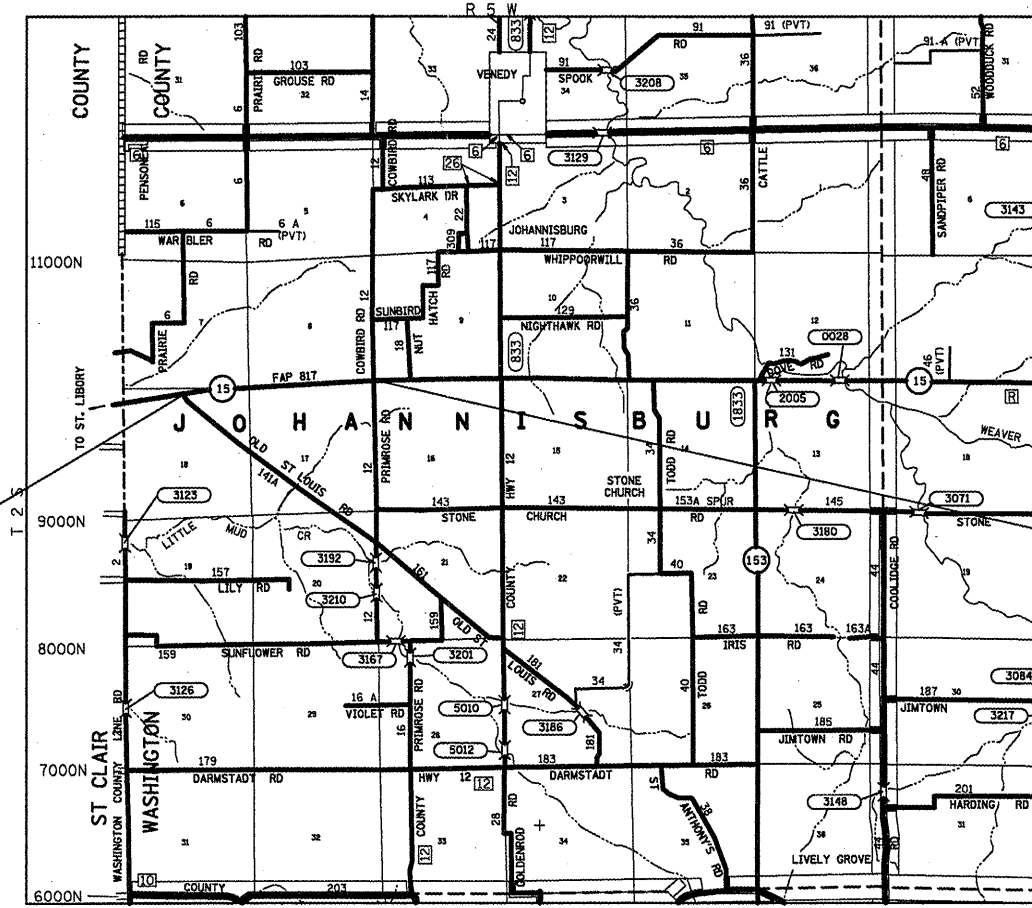
1. COVER SHEET
2. GENERAL NOTES, STANDARDS, COMMITMENTS
3. SUMMARY OF QUANTITIES
4. ROADWAY LAYOUT
5. SCHEDULES
6. TYPICAL SECTIONS
7. DETAIL SHEET



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

BEGIN PROJECT:
STA. 82+00
(OLD ST. LOUIS RD.)
LAT: 38.363389
LONG: -89.694990



END PROJECT:
STA. 161+20.00
(COWBIRD RD.)
LAT: 38.364293
LONG: -89.676492

PROJECT ENGINEER: PATTI LEBEAU (618)-346-3179
PROJECT MANAGER: BILLIE OWEN (618)-346-3186

CONTRACT NO. 76F17

GROSS LENGTH = 7,920 FT. = 1.5 MILE
NET LENGTH = 7,920 FT. = 1.5 MILE

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL

ADT
2011 = 1600 (ACTUAL)
2031 = 1850 (ESTIMATED)
S.U. = 8.1%
M.U. = 8.8%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 20 20 12

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 23 20 12
John D. Baranzelli, P.E.,
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 12
William R. Freiler
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN WITHIN PROJECT AREA TO ALL UTILITIES 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 | AERIAL, BURIED |
| *EGYPTIAN TELEPHONE COOP. ASSN. - COMMUNICATIONS | AERIAL, BURIED |
| *TRI-COUNTY ELECTRIC COOPERATIVE, INC. - ELECTRIC | AERIAL, BURIED |
| *WASHINGTON COUNTY WATER CO. - WATER | BURIED |

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

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. THE FOLLOWING HMA MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDER < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS	SPECIAL PROVISION	SPECIAL PROVISION
MIX COMPOSITION	**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
FRICITION AGG		

**TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HMA (HOT MIX ASPHALT) ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

5. THE THICKNESS OF THE HMA MIXTURE 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 MIXTURE IS PLACED.

6. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".

7. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

8. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

9. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFLIM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.

10. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 1,2, OR 3 SEEDING AS DIRECTED BY ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE AT THE COST OF THE CONTRACTOR.

11. ALL EXISTING RIGHT-OF-WAY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP.

COMMITMENTS
NO COMMITMENTS

STANDARDS

- 000001-06
- 642006
- 701011-02
- 701311-03
- 701326-04
- 701901-02
- 780001-03

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 76F17							
PLOT DATE = 2/3/2012	DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
					SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021			CODE NO	ITEM	UNIT		90% FED 10% STATE 0021		
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	158.4	158.4		* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15840	15840			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.7	1.7									
40600300	AGGREGATE (PRIME COAT)	TON	8	8									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	751	751									
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5280	5280									
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	15840	15840									
67100100	MOBILIZATION	L SUM	1	1									
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1									
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	633.6	633.6									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15840	15840									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5280	5280									

* SPECIALTY ITEM

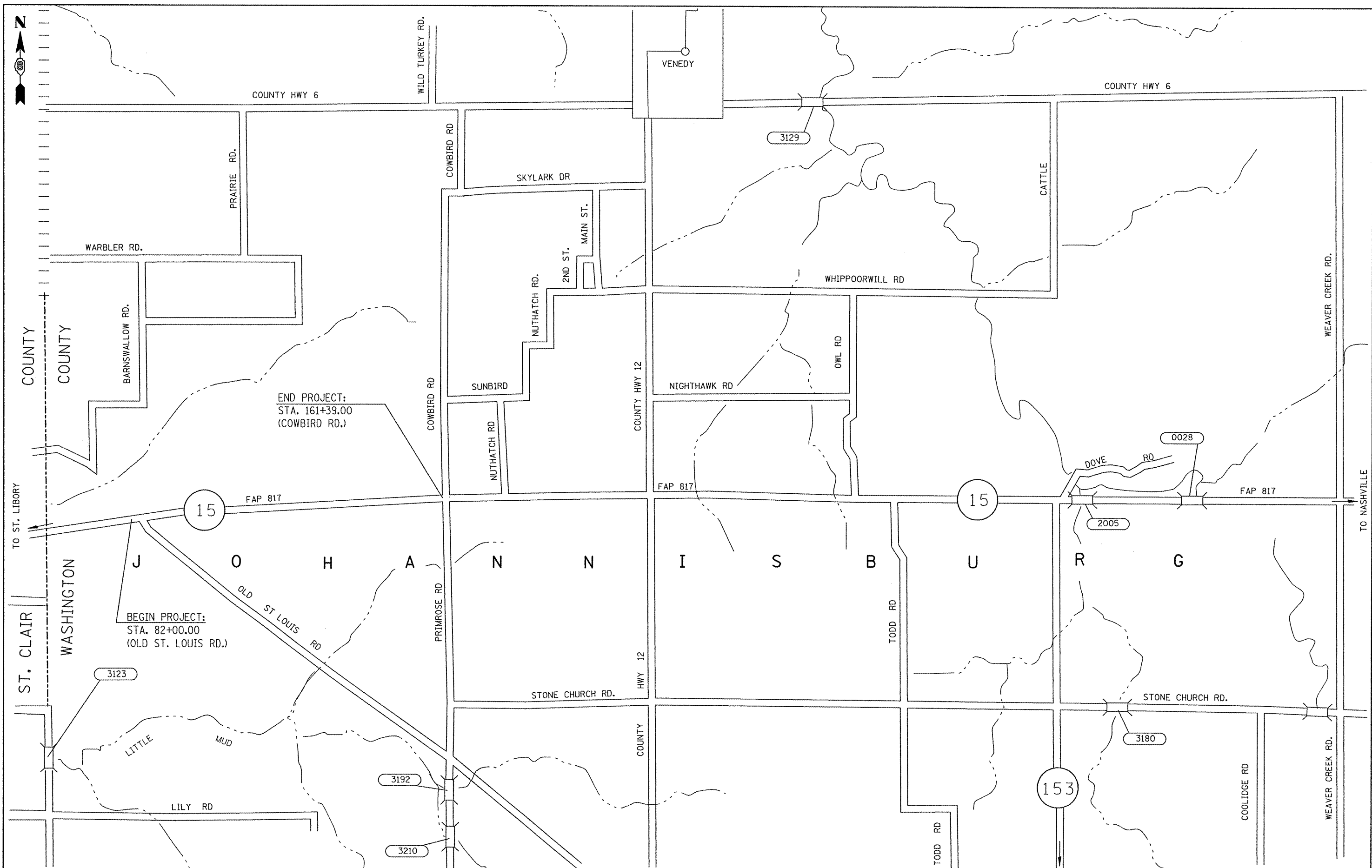
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PLOT DATE = 2/3/2012		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	6-1	WASHINGTON	7	3
CONTRACT NO. 76F17				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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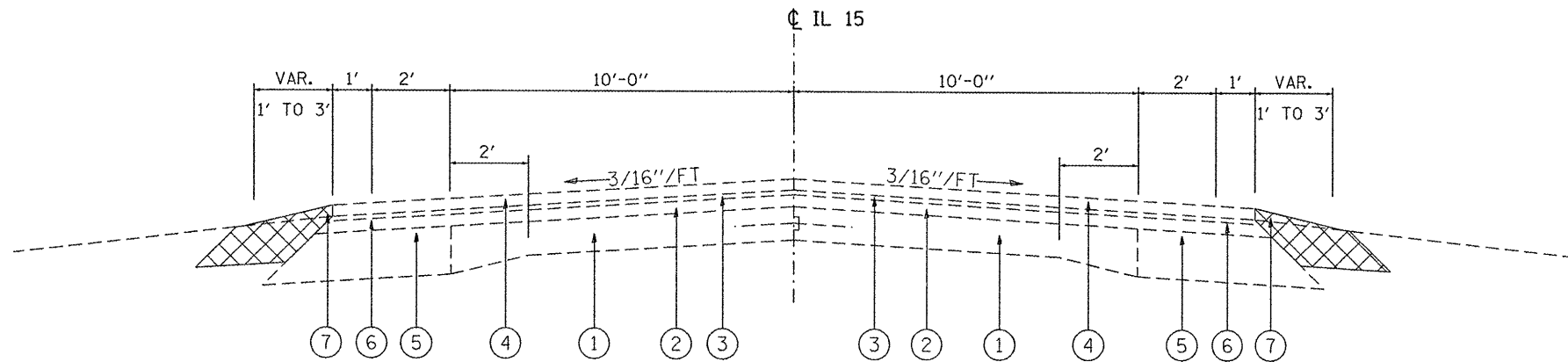
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY LAYOUT			
SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	6-1	WASHINGTON	7	4
CONTRACT NO. 76F17				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

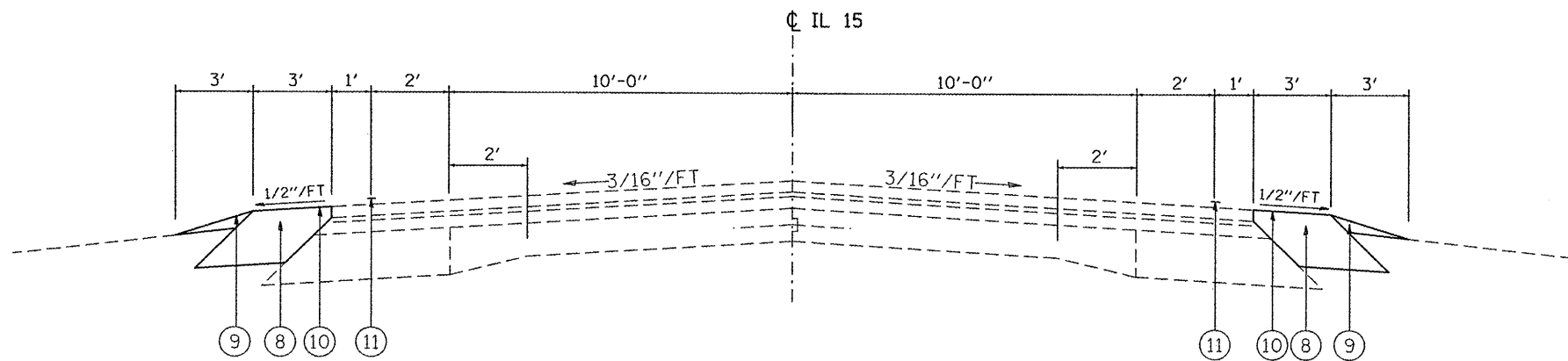
SHOULDER SCHEDULE										
STA	TO	STA	LENGTH	LEFT OR RIGHT	EXCAVATING AND GRADING EXIST. SHOULDER	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	AGGREGATE WEDGE SHOULDER, TYPE B	HMA SHOULDER, 8"	SHOULDER RUMBLE STRIPS, 8"
					UNIT	TON	TON	TON	SQYD	FOOT
82+00	TO	161+39	7920	L	79.2	0.83	4	375.5	2640	7920
82+00	TO	161+39	7920	R	79.2	0.83	4	375.5	2640	7920
TOTAL:					158.4	1.7	8.0	751	5280	15840

PAVEMENT MARKING SCHEDULE					
STA	TO	STA	LENGTH	LEFT OR RIGHT	WHITE LINE 4"
					FOOT
82+00	TO	161+39	7920	L	7920
82+00	TO	161+39	7920	R	7920
TOTAL:					15840




EXISTING TYPICAL
STA. 82+27.00 TO STA. 135+07.00

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING BITUMINOUS SURFACE, 3"
- ③ EXISTING LEVELING BINDER (MM), TY. 2, 3/4"
- ④ EXISTING BIT. CONC. SURF. CSE. MIX "C", CL I, TY. 2, 1 1/2"
- ⑤ EXISTING BITUMINOUS WIDENING 9"
- ⑥ EXISTING BITUMINOUS SHOULDER
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ PROPOSED HMA SHOULDER 8"
- ⑨ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑩ PROPOSED RUMBLE STRIP 8"
- ⑪ PROPOSED PAVEMENT MARKINGS 4"



PROPOSED TYPICAL
STA. 82+27.00 TO STA. 135+07.00

 EXCAVATING AND GRADING EXISTING SHOULDER

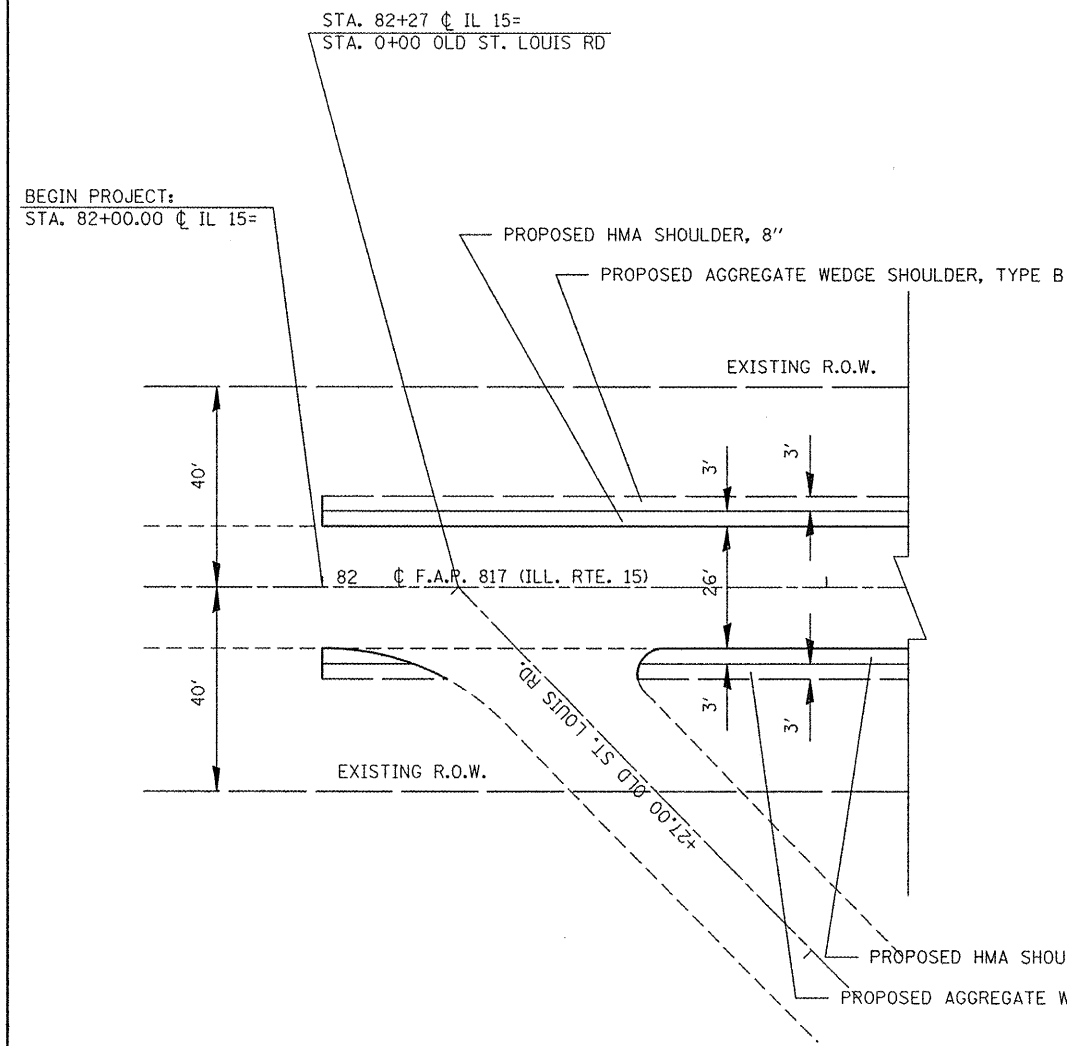
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PLOT DATE = 2/3/2012		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

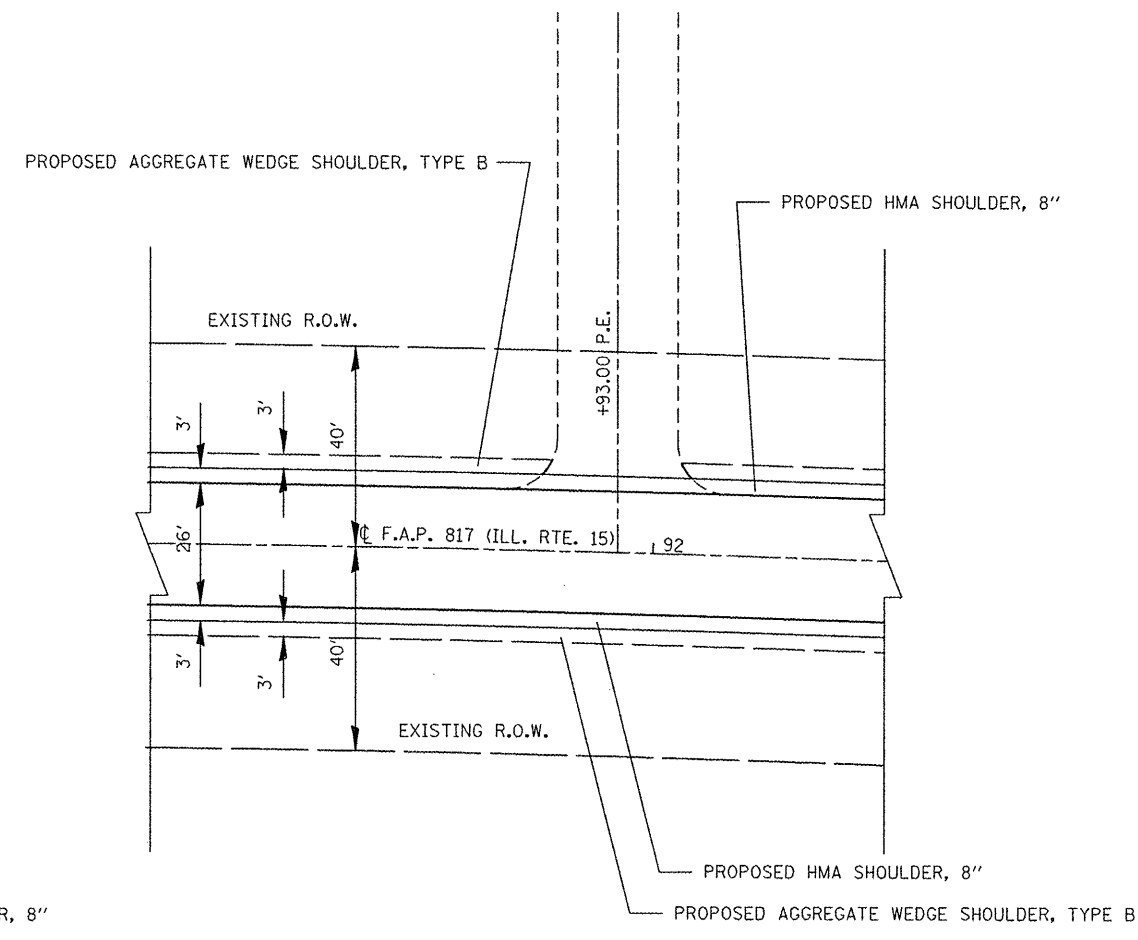
TYPICAL SECTION

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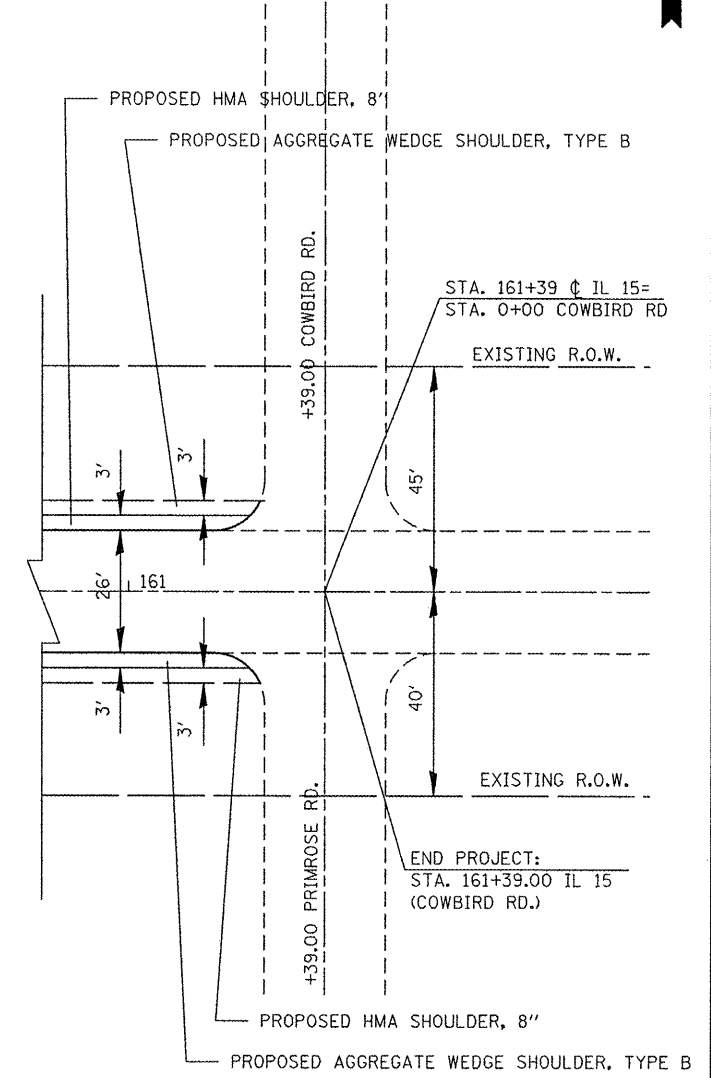
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817	6-1	WASHINGTON	7	6
CONTRACT NO. 76F17				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



OLD ST. LOUIS RD. DETAIL
BEGIN PROJECT



PRIVATE ENTRANCE DETAIL
STA. 91+93.00
(APPROX. 993' EAST OF
OLD ST. LOUIS RD.)



COWBIRD RD./PRIMROSE RD. DETAIL
END PROJECT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL SHEET

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	6-1	WASHINGTON	7	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76F17	