

**CH 11**ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT

## PRELIMINARY SIGNAL COST ESTIMATE

Date 4/30/02Agreement #1001

Install automatic flashing light signals and gates with bell controlled by constant warning time circuitry.

The cost to accomplish the signal-related improvements contemplated in Section 2 of this Agreement is estimated to be \$235,000.

## GENERAL ITEMS COSTS

Material, Engineering, Labor, and Labor Additives	\$215,000*
Contingencies	\$25,000
TOTAL	\$235,000

\* Estimate for the installation of the automatic flashing light signals and gates with bell controlled by constant warning time circuitry has been prepared by the Commission's Rail Safety Section staff. The Company will be directed to submit a detailed estimate of cost for the aforementioned installation by a Commission Order issued subsequent to execution of this Agreement. The Grade Crossing Protection Fund will be directed by Commission Order to pay 95% of the actual cost for the warning device installation.

**Moultrie County**  
**T.R. 137**  
**Section 99-07002-00-FP**  
**Section 99-07002-01-FP**  
**Closure of RR Crossing #DOT 167276D**  
**Improvement of RR Crossing #DOT 167277K**  
**Kirksville, Illinois**

Breakdown of Estimated Costs

<u>Item</u>	<u>Description</u>	<u>Cost</u>
1.	Right-of-Way Research and Plats	\$ 2,700
2.	Drainage Easement Plats	\$ 1,000
3.	Right-of-Way and Easement Acquisition	<b>\$ 10,000 *</b>
4.	Route Surveying	\$ 3,500
5.	Design Engineering	\$ 17,500
6.	Construction (Includes 10% Contingency) See Attached Estimate of Cost	\$166,000
	Roadway Work	\$136,500
	Drainage Work	\$29,500
7.	Utility Relocation:	<b>\$ 10,000*</b>
8.	Construction Engineering	\$ 15,000
	<b>TOTAL ESTIMATED PROJECT COST =</b>	<b>\$ 225,700</b>

Note: This estimate does not include costs to close R.R. Crossing #DOT 167276D. This estimate does not include costs of underdrains and safety improvements at R.R. Crossing 167277K.

\* Added by staff after meeting with COUNTY on 4/4/02

**Moultrie County  
T.R. 137  
Section 99-07002-00-FP  
Roadway Construction**

**Kirksville, Illinois**

Estimated Construction Costs

<u>Item</u>	<u>Description</u>	<u>Cost(\$)</u>
1.	Tree Removal (Over 15 Units Diameter)	1,000
2.	Earth Excavation	15,500
3.	Furnished Excavation	9,800
4.	Seeding, Class 2 (Special)	5,400
5.	Aggregate Base Course, Type B	35,000
6.	Aggregate Surface Course, Type B	1,400
7.	Bit. Aggregate Mixture (B.A.M.)(Special)	17,400
8.	Bituminous Materials (Prime Coat)	3,200
9.	Bituminous Materials (Cover and Seal Coats)	6,400
10.	Cover Coat Aggregate	1,400
11.	Seal Coat Aggregate	1,400
12.	Pipe Culvert, Class A, Type 1, 18"	6,300
13.	Pipe Culvert, Class D, Type 1, 12"	1,000
14.	Pipe Culvert, Class D, Type 1, 15"	600
15.	Precast Reinf. Conc. Flared End Sections 18"	5,000
16.	Steel End Sections, 12"	500
17.	Exploration Trench, 52" Depth	3,000
18.	Storm Sewers Protected, Class A, 6"	1,500
19.	Furnishing and Erecting R.O.W. Markers	300
20.	Traffic Control and Protection Standard BLR 21	5,000
21.	Railroad Protective Liability Insurance	3,000
	TOTAL	124,100
	Contingency (10%)	12,400
	<b>ROADWAY GRAND TOTAL</b>	<b>136,500</b>

Moultrie County  
T.R. 137  
Section 99-07002-01-FP  
Drainage Construction

Kirksville, Illinois

Estimated Construction Costs

<u>Item</u>	<u>Description</u>	<u>Cost(\$)</u>
1.	Trench Backfill	100
2.	Aggregate Base Course, Type B	300
3.	Class D Patch	200
4.	Pipe Drains 12" (Special)	5,600
5.	Pipe Drains 18" (Special)	15,100
6.	Catch Basins, Type C, Type 8 Grate	3,000
7.	Inlets, Type A, Type 8 Grate	500
8.	Manholes, Type A, 4' - Dia., Type 1, Closed Lid	2,000
	TOTAL	26,800
	Contingency (10%)	2,700
	ROADWAY GRAND TOTAL	29,500

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED GRADE CROSSING PROTECTION FUND

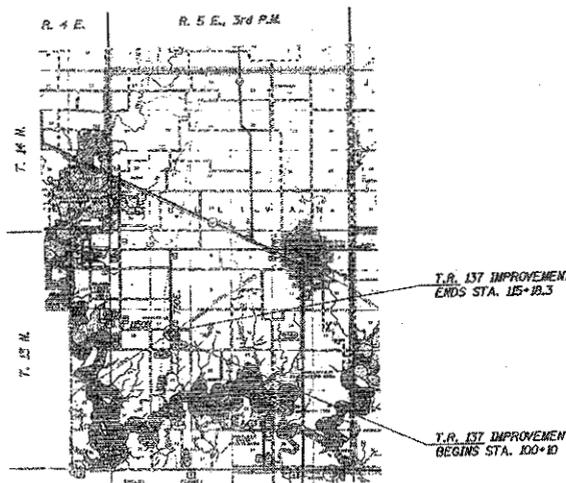
SULLIVAN ROAD DISTRICT  
SECTION 99-07002-00-FP  
T.R. ROUTE 137  
MOULTRIE COUNTY

**INDEX OF SHEETS**

SHEET NO.	TITLE
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES, GENERAL NOTES, AND TYPICAL CROSS SECTIONS
3.	INTERSECTION AND ENTRANCE DETAILS
4-6	PLAN AND PROFILE
6-10	STATION CROSS SECTIONS

**SEE PROPOSAL BOOKLET FOR STANDARDS:**

542361  
542901  
068001  
702001-02  
DLR 21-5



**LAYOUT**  
Net Length of Section = 1503.3 Feet = 0.285 Miles



SCALE IN MILES  
LOCAL ROAD  
ADT 150-300  
CURRENT ADT=350



ILLINOIS PROFESSIONAL NO. 43244  
(Expires 11/30/03)

CUMMINS ENGINEERING CORPORATION SPRINGFIELD, ILLINOIS

**SCALES**

PLAN	1" = 100'
PROFILE HORZ.	1" = 100'
PROFILE VERT.	1" = 10'
CROSS SECTIONS	1" = 10'

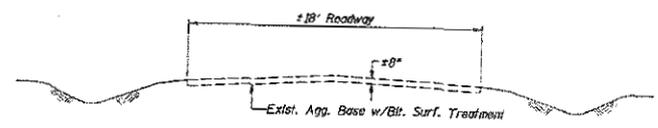
TOLL FREE JOINT UTILITY LOCATING  
INFORMATION FOR EXCAVATORS (JULLI.)  
TELEPHONE NUMBER 1-800-952-0123

APPROVED	_____
	STATE DISTRICT COMMISSIONER
APPROVED	_____
	MOULTRIE COUNTY ENGINEER
APPROVED	_____
	UNIVERSITY ENGINEER

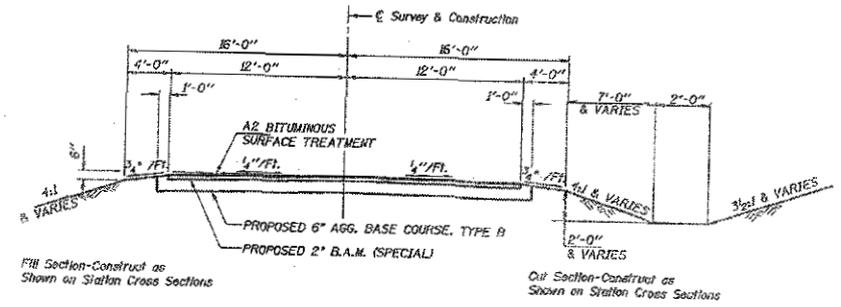
**ROADWAY PLANS**

**SUMMARY OF QUANTITIES**

ITEM	UNIT	QUANTITY
TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	150
EARTH EXCAVATION	CU YD.	1250
FURNISHED EXCAVATION	CU YD.	12.25
SEEDING, CLASS 2 (SPECIAL)	ACRES	1.8
AGGREGATE BASE COURSE, TYPE B	TON	1750
AGGREGATE SURFACE COURSE, TYPE B	TON	36
BITUMINOUS AGGREGATE MIXTURE (B.A.M.) (SPECIAL)	TON	435
BITUMINOUS MATERIALS (PRIME COAT)	GAL.	1604
BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GAL.	3205
COVER COAT AGGREGATE	TON	58
SEAL COAT AGGREGATE	TON	58
PIPE CULVERT, CLASS A, TYPE 1, 18"	FOOT	190
PIPE CULVERT, CLASS D, TYPE 1, 12"	FOOT	69
PIPE CULVERT, CLASS D, TYPE 1, 15"	FOOT	32
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	20
STEEL END SECTIONS, 12"	EACH	4
EXPLORATION TRENCH 52" DEPTH	FOOT	200
STORM SEWERS PROTECTED, CLASS A, 6"	FOOT	100
FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	3
TRAFFIC CONTROL AND PROTECTION STANDARD BLR 21	LSUM	1
RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1



**TYPICAL EXISTING ROADWAY CROSS SECTION**



**TYPICAL PROPOSED ROADWAY CROSS SECTION**  
STA. 120+10 TO STA. 125+18.3

**GENERAL NOTES**

- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PIPES ENCOUNTERED ARE TO BE INCLUDED IN THE UNIT PRICE BID FOR EARTH EXCAVATION EXCEPT AS NOTED ON THE PLANS.
- 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 UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUB-SECTION 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.
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.  
SEEDING, CLASS 2 (SPECIAL) = 1.8 ACRES

**APPLICATION RATES USED IN QUANTITY CALCULATIONS**

Granular Materials	2.05 Tons/Cu. Yd.
Bituminous Materials (Prime Coat)	0.35 Gallon/Sq. Yd.
Bituminous Materials (Cover & Seal Coats)	0.35 Gallon/Sq. Yd./Application
Cover & Seal Coat Aggregate	25 #/Sq.Yd./Application
Bituminous Aggregate Mixture (Special)	95 #/Sq.Yd./In.

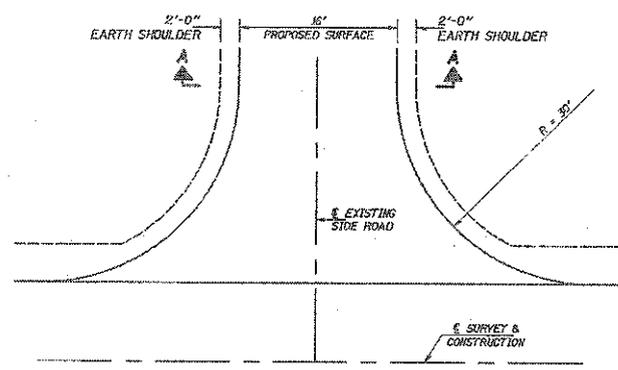
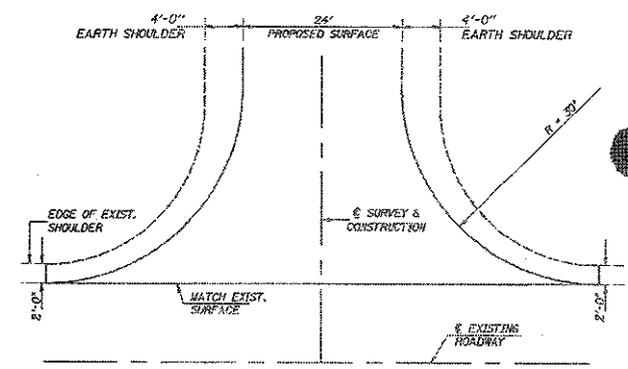
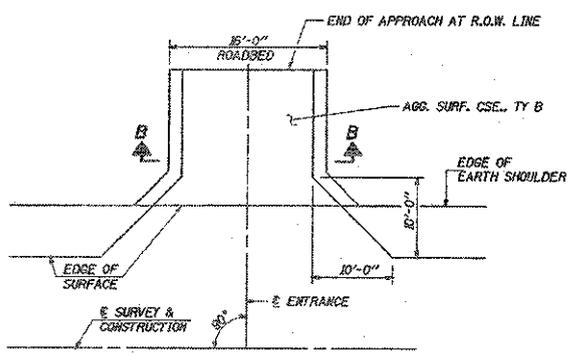
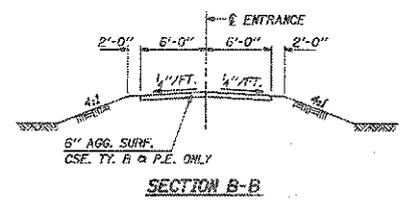
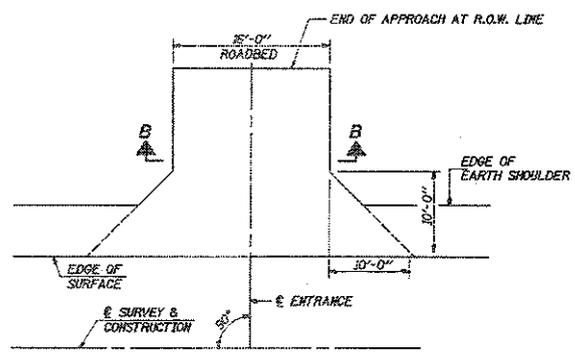
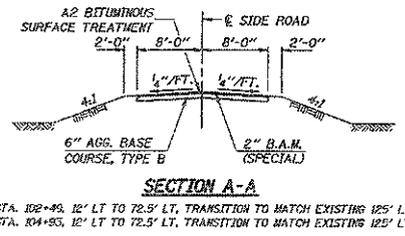
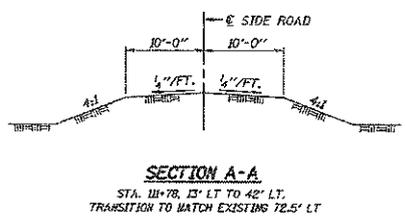
NOTE: THE ABOVE NOTED APPLICATION RATES FOR BITUMINOUS MATERIALS AND FOR COVER & SEAL COAT AGGREGATE ARE FOR QUANTITY CALCULATIONS ONLY. THE APPLICATION RATE TO BE APPLIED WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF PLACEMENT.

**SUMMARY OF QUANTITIES, GENERAL NOTES, & TYPICAL CROSS SECTIONS**

T.R. ROUTE 137  
SECTION 99-07002-00-FF  
SULLIVAN ROAD DISTRICT  
MOULTRIE COUNTY

CUMMINS ENGINEERING CORPORATION  
JOB # 040  
FILE 0407P  
DATE 4/2/02

DATE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
T.R. 137	98-07002-00-FP	MOULTRIE	30	3
SULLIVAN ROAD DISTRICT				



**INTERSECTION AND ENTRANCE DETAILS**  
T.R. ROUTE 137  
SECTION 98-07002-00-FP  
SULLIVAN ROAD DISTRICT  
MOULTRIE COUNTY

CUMMINS ENGINEERING CORPORATION

JOB # 040  
FILE 0501H  
DATE 1/4/02



