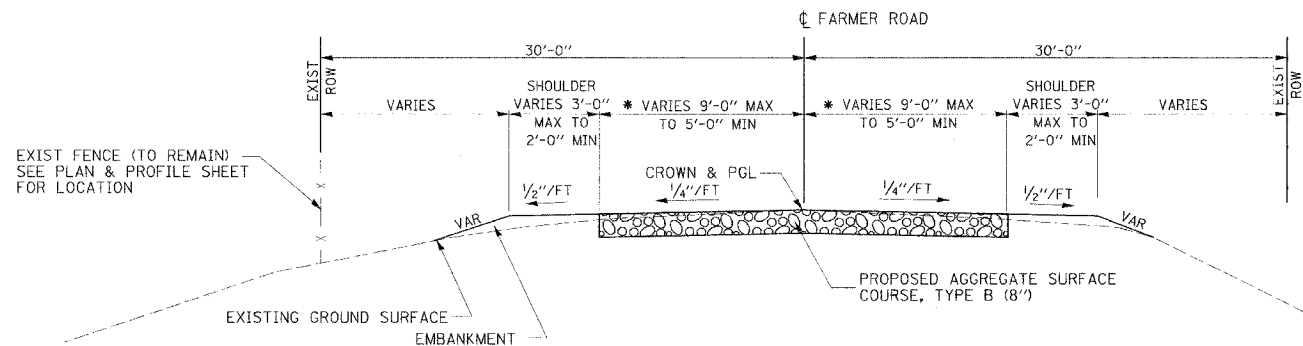


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR-324	*	MORGAN	10	2
FED. RD. DIST. NO.		ILLINOIS	FED. AID PROJECT	

\* 05-0117-00-BR



TYPICAL SECTION  
STA 4+30.00 TO STA 5+70.00  
BRIDGE OMISSION STA 4+64.92 TO STA 5+35.08

PROPOSED STRUCTURE NO 069-3259 FROM STA 4+64.92 TO STA 5+35.08  
\* VARIES 5.0' TO 9.0' FROM STA 4+30.00 TO STA 4+64.92 AND  
VARIES 9.0' TO 5.0' FROM STA 5+35.08 TO STA 5+70.00

## BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
SURFACE COURSE	IL-9.5 OR 12.5 MIX C	PG 64-22	15%	4.0%

## APPLICATION RATE TABLE

AGGREGATE SURFACE COURSE, TYPE B	2.05 TON / CU YD
STONE DUMPED RIPRAP, CLASS A5	1.5 TON / CU YD
BITUMINOUS CONCRETE SURFACE COURSE	112 LBS / SQ YD / IN

## EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CU YD)	CHANNEL & RIPRAP EXCAVATION (CU YD)	** CHANNEL & RIPRAP EXCAVATION (CU YD)	CHANNEL & RIPRAP EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)
STA. 4+30.00 TO 4+50.00	2.8	2.1				5.0	-2.9
STA. 4+50.00 TO 4+64.92	3.5	2.6				17.2	-14.6
CHANNEL EXCAVATION			575.0	287.5	215.6		+215.6
STA. 5+35.08 TO 5+50.00	5.1	3.8				4.8	-1.0
STA. 5+50.00 TO 5+70.00	3.4	2.6				3.7	-1.1
TOTALS	14.8	11.1	575.0	287.5	215.6	30.7	+195.5 *

\* (195.5/0.75 = 261 CU YD OF ACTUAL WASTE)

\*\* 50% OF THE CHANNEL &amp; RIPRAP EXCAVATION IS CONSIDERED UNSUITABLE MATERIAL.

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	15
20300100	CHANNEL EXCAVATION	CU YD	100
* 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.1
25100630	EROSION CONTROL BLANKET	SQ YD	73
28000300	TEMPORARY DITCH CHECKS	EACH	4
SEE NOTE 8 28100809	STONE DUMPED RIPRAP, CLASS A5	TON	194
* 28101100	DUMPED RIPRAP, SPECIAL	SQ YD	380
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	50
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	100
50300225	CONCRETE STRUCTURES	CU YD	20.6
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	1,646.0
50800105	REINFORCEMENT BARS	POUND	2,760
50900205	STEEL RAILING, TYPE S1	FOOT	140
51201000	FURNISHING METAL PILE SHELLS 12"	FOOT	430
51202600	DRIVING AN FILLING SHELLS	FOOT	430
51203200	TEST PILE METAL SHELLS	EACH	1
51500100	NAME PLATES	EACH	1
67100100	MOBILIZATION	L SUM	1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX "C", N50	TON	28

\* SEE SPECIAL PROVISIONS

CONSTRUCTION TYPE CODE: X081-2A

## GENERAL NOTES

- ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED UNLESS OTHERWISE NOTED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENT ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OF INCONVENIENCES CAUSED BY SAID UTILITY ADJUSTMENTS.
- WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOADING LIMITS ESTABLISHED BY THE COUNTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY LUGS OR CLEATS ON TREADS OR WHEELS OR EQUIPMENT OR BY EXCESSIVE WEIGHTS AND LOADS.
- THE NOMINAL THICKNESS FOR SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- STOCKPILING OF MATERIALS WILL BE ALLOWED ON COUNTY PROPERTY AT MUTUALLY AGREEABLE LOCATIONS. NO STOCKPILING OF MATERIALS SHALL BE ALLOWED ON THE TRAVELED SURFACE OF EXISTING ROADS AND HIGHWAYS THAT ARE OPEN TO TRAFFIC.
- THE CONTRACTOR MAY BE REQUIRED TO WORK AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR THE EARTHWORK INVOLVED.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE OWNER AND THE INDICATED ADJUSTMENTS ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTACTOR'S RESPONSIBILITY, AS DETAILED IN SECTION 563 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.
- NO BEDDING AND NO FILTER FABRIC ARE REQUIRED UNDER THE STONE RIPRAP.

DRAWN BY LLQ  
CHECKED BY LEL  
APPROVED BY REG  
DATE FEBRUARY, 2006

REVISIONS

DATE BY

TYPICAL SECTION  
& GENERAL NOTES  
FARMER ROAD (TR-324)  
OVER INDIAN CREEK

MORGAN COUNTY, ILLINOIS



**BENTON & ASSOCIATES, INC.**  
Consulting Engineers / Land Surveyors  
1970 West Lafayette Ave. Jacksonville, IL 62650  
Phone: 217-245-4146 Fax: 217-245-4149  
IL Design Firm Registration No. 184-000852

FIELD BOOK:

SCALE:

JOB NO. 05E/556

SHEET OF