

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(24B)B-1	FAYETTE	22	2
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**GENERAL NOTES**

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED MARCH 1, 2005; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN SECTION (24B)B-1 CONSISTS OF THE COMPLETE REMOVAL AND REPLACEMENT OF THE EXISTING STRUCTURE WITH A NEW DOUBLE BOX CULVERT, BITUMINOUS CONCRETE PAVEMENT, BASE COURSE WIDENING, BITUMINOUS SHOULDERS, RIP RAP, GUARDRAIL AND ANY OTHER INCIDENTAL WORK NECESSARY TO COMPLETE THIS SECTION. THE WORK SHALL BE DONE UTILIZING STAGE CONSTRUCTION AND TRAFFIC SIGNALS.

A STOP SIGN AND A NO LEFT TURN SIGN WILL BE PROVIDED BY THE DEPARTMENT FOR PLACEMENT BY THE CONTRACTOR AT THE FIELD ENTRANCE RIGHT STATION 441+84.

THE COST OF TEMPORARY PAVEMENT MARKING IS INCLUDED IN THE COST OF THE STANDARD 701321. NO ADDITIONAL COMPENSATION WILL BE ALLOWED AS STATED IN ARTICLE 703.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. AN ESTIMATED QUANTITY OF 1398 FOOT FOR STAGE 1 AND 1398 FOOT FOR STAGE 2 HAS BEEN CALCULATED.

PAINT PAVEMENT MARKING LINE - 4" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS, AS SHOWN ON THE TYPICAL SECTIONS, AND AS DETERMINED BY THE ENGINEER. A TOTAL QUANTITY CALCULATED CONSISTS OF 170 FEET OF YELLOW AND 1398 FEET OF WHITE.

THE BASE COURSE WIDENING SHALL, AT THE CONTRACTOR'S OPTION BE CONSTRUCTED OF EITHER PORTLAND CEMENT CONCRETE 8" THICK, OR BITUMINOUS CONCRETE, 10" THICK. ANY EXCAVATION REQUIRED FOR PLACEMENT OF THE BASE COURSE WIDENING SHALL BE INCLUDED IN THE COST OF PAVED SHOULDER REMOVAL.

ALL EXCAVATION REQUIRED BEHIND EXISTING ABUTMENTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIFICATIONS, TEMPORARY OR PERMANENT SEEDING, MULCH, AND DITCH CHECKS SHALL BE CONSTRUCTED IMMEDIATELY UPON COMPLETION OF THE EARTHWORK PAY ITEMS ON EACH SIDE OF THE ROADWAY. TEMPORARY DITCH CHECKS MAY BE REQUIRED BEFORE COMPLETION OF THE PAY ITEMS FOR EACH SIDE AT THE DIRECTION OF THE ENGINEER.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

BOTTOM BINDER LIFT (5.0"MAX.)

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

2ND BINDER LIFT (4.5"MAX.)

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

TOP BINDER LIFT (2.25"MAX.)

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

SURFACE LIFT (2")

APPLICATION: BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX C N70  
 PG GRADE: PG 64-22  
 RAP%: 15%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE C

BASE COURSE WIDENING

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

BITUMINOUS SHOULDERS (8")

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

BITUMINOUS SHOULDERS (10")

APPLICATION: BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0 N70  
 PG GRADE: PG 64-22  
 RAP%: 25%  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

THE CONTRACTOR WILL BE REQUIRED TO FOG COAT ALL BINDER LIFTS ON THE PROPOSED FULL-DEPTH MAINLINE PAVEMENT WITH AN EMULSIFIED POLYMER PRIME PRODUCT CLASSIFIED AS SS-1HP. USE 0.05 GAL./SQ. YD. AS A QUANTITY FACTOR PER LIFT OF BITUMINOUS CONCRETE BINDER COURSE (3 LIFTS TOTAL).

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	2.05 TONS/CU. YD.
AGGREGATE SHOULDERS	2.05 TONS/CU. YD.
AGGREGATE (PRIME COAT)	4 LBS./SQ. YD.
BITUMINOUS CONCRETE	112 LBS./SQ. YD/INCH

**INDEX OF SHEETS**

SHEET NO	ITEM
1	TITLE SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6	BENCHMARKS AND ALIGNMENT TIES AND DETECTOR LOOPS
7	SCHEDULE OF QUANTITIES AND RIPRAP DETAILS
8	PLANS & PROFILE SECTION (24B)B-1
9	STAGE CONSTRUCTION I
10	STAGE CONSTRUCTION II
11-17	BRIDGE PLANS
18	EROSION CONTROL DETAILS
19-22	CROSS SECTIONS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING SHEET NUMBER 22.

STD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
515001-02	NAME PLATE FOR BRIDGES
630001-05	STEEL PLATE BEAM GUARDRAIL
630101-05	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630201-03	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701001-01	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-02	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701301-02	LANE CLOSURE - SHORT TERM OPERATIONS
701311-02	LANE CLOSURE - MOVING OPERATIONS - DAY ONLY
701321-08	LANE CLOSURE 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE 2L, 2W PAVEMENT WIDENING, FOR SPEED > 45 MPH
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES  
&  
INDEX OF SHEETS**

SCALE: VERT. DATE  
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PLOT DATE = 12/22/2005  
 FILE NAME = c:\projects\94778\d04899pa.dgn  
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