			QUANT	TY ·	
CODE NO	ITEM	11177	CONSTRUC	TRUCTION CODE	
		UNIT	1000	X081-2A	TOTA
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48		48
20200100	EARTH EXCAVATION	CU YD	670		67
20300100	CHANNEL EXCAVATION	CU YD	75		75
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.65		0.6
28000300	TEMPORARY DITCH CHECKS	EACH	9		9
28100807	STONE DUMPED RIPRAP, CLASS A4	TON		740	74
28102600	STONE RIPRAP DITCH	TON	300		. 30
35100100	AGGREGATE BASE COURSE, TYPE A	TON	904		90
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	6		6
48101200	AGGREGATE SHOULDERS, TYPE B	TON	282		28
50100100	REMOVAL OF EXISTING STRUCTURES	EACH		1	1
50300225	CONCRETE STRUCTURES	CU YD		32.4	32.
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT		1,200	1.20
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT		2,010	2,0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND		4,470	4,4
50901005	STEEL BRIDGE RAIL, TYPE SM	F.O.O.T		220	22
51201400	FURNISHING STEEL PILES HP10X42	FOOT		301	301
51202700	DRIVING STEEL PILES.	FOOT		163	16.
51203400	TEST PILE STEEL HP10X42	EACH		1	1
51204315	CONCRETE ENCASEMENT	CU YD		10.8	10.
51500100	NAME PLATES	EACH		1	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	50		50
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD		366	36
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT		241	24
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	425		42
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4		4
63200310	GUARDRAIL REMOVAL	FOOT	48		48
67100100	MOBILIZATION	L SUM	1		1
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	. 1		1
78200400	GUARDRAIL REFLECTORS	EACH	11		11
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
X0321317	GRANULAR BACKFILL	CU YD		45	55
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON		30	30
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON		8	8
X4073016	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 63/4"	SQ YD	1324	l	132
Z0005600	BREAKING PAVED DITCH	FOOT	472	-	47:
Z0065000	SETTING PILES IN ROCK	EACH	- 116	6	6

> SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

TREE REMOVAL (6-	15 UNITS)
LOCATION	UNITS
CH 24	
34' RT. STA. 102+75	6
34' RT. STA. 102+75	6
34' RT. STA. 102+75	6 .
34' RT. STA. 102+75	6
TOTAL	48

PAVEMENT DESIGN

DESIGN PERIOD: 20 YEARS 73,20C LB. LOAD LIMIT STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1804 YEAR 2015 P.V. = 1588 S.U. = 126 M.U. = 90 ROAD/STREET CLASSIFICATION: CLASS III ROAD PERCENT OF S.D.T. IN DESIGN LANE P = 50 S = 50 M = 50 TRAFFIC FACTOR = ACTUAL TF 0.39 AC TYPE 64-22 MINIMUM TF PG GRADE: BINDER = 64-22 SUFACE = 64-22 SUPERGRADE SUPPORT RATING: SSPE FALE (STA. 1992/5 TO STA. 1054-75) SSR= FAIR (STA. 99=25 TO STA. 105+75)

F.A.S. 02-00104 712 -00-BR FAYETTE 21 CONTRACT NO. 95469

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2. ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 3. THE LOCATIONS OF EXISTING 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 INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 4. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS UNTIL THE OWNER, HIS AGENT, PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 5. THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX OF SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- 6. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES AGGREGATE SURFACE CSE. 2.05 TON/CU YD STONE DUMPED RIPRAP, CL. A4 1.75 TON/CU YD GRANULAR BACKFILL 2.02 TON/CU YD
 BITUMINOUS SUPERPAVE 112 LBS /SY/INCH DEPTH
 AGGREGATE BASE COURSE TY. A 2.05 TON/CU YD
- 7. THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY = 0.65 ACRES.
- 8. TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.

MIXTURE REQUIREMENTS				
LOCATION(S):	CH 24 FULL DEPTH PAVEMENT & BRIDGE SURFACING			
MIXTURE USE(S):	BITUMINOUS CONCRETE SURFACE SUPERPAVE			
AC/PG:	PG 64-22			
RAP % (MAX):	15%			
DESIGN AIR VOIDS:	4% @ Ndes 50			
MIXTURE COMPOSITION:	IL 9.5			
(GRADATION MIXTURE):				
FRICTION AGGREGATE:	MIXTURE C			
MIXTURE WEIGHTS:	112 LBS / SY / INCH THICKNESS			

MIXTURE REQUIREMENTS						
LOCATION(S):	CH 24 BRIDGE SURFACING					
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD) SUPERPAVE					
AC/PG:	PG 64-22					
RAP % (MAX):	25%					
DESIGN AIR VOIDS:	4% @ Ndes 50					
MIXTURE COMPOSITION:	IL-9.5					
(GRADATION MIXTURE):						
FRICTION AGGREGATE:	MIXTURE C					
MIXTURE WEIGHTS:	112 LBS / SY / INCH THICKNESS					

MIXTURE REQUIREMENTS					
LOCATION(S):	CH 24 FULL DEPTH PAVEMENT				
MIXTURE USE(S):	BITUMINOUS CONCRETE BINDER SUPERPAVE				
AC/PG:	PG 64-22				
RAP % (MAX):	25%				
DESIGN AIR VOIDS:	4% @ Ndes 50				
MIXTURE COMPOSITION:	IL-19.0				
(GRADATION MIXTURE):					
FRICTION AGGREGATE:					
MIXTURE WEIGHTS:	112 LBS / SY / INCH THICKNESS				

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Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. 3085 Stevenson Drive Sulte 201 Civil & Structural Engineers Springfield, Illinois 62703 217-546-3400

Account Number 12-34-0002-1 Date: 03/09/06

P.O. Box 1036 DuQuoin, Illinois 62832 618-790-4637 DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: D.T.M. SUMMARY OF QUANTITIES AND GENERAL NOTES

SECTION 02-00104-00-BR F.A.S. 712 / C.H. 24 FAYETTE COUNTY