

FAS ROUTE	IDOT SECTION	COUNTY
1857	04-0071-00-BR	MONROE
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	BR-RS-1857(121)	
IDOT CONTRACT NO.	97323	

THOUVENOT, WADE & MOERCHEN, INC.
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

FINAL

Signature: _____
Expiration Date: _____
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

EARTHWORK SCHEDULE						
LOCATION (STATION TO STATION)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	NOTES	FURNISHED EXCAVATION (CU YD)	
BLUFF ROAD (STAGES 1-2)						
292+00 TO 321+00	384	288	44,905	--> TEMPORARY DRAINAGE DITCH EXCAVATION TO BE USED ON BLUFF ROAD EMBANKMENT IN THIS STAGE	-44,617	
BLUFF ROAD (STAGE 3)						
285+86.34 TO 321+00	697	523	784		-261	
321+00 TO 325+06.21	642	482	749		-268	
BLUFF ROAD (STAGES 4-5)						
285+86.34 TO 325+06.21	10,722	8,042	10,851	--> TEMPORARY DRAINAGE DITCH TO BE BACKFILLED IN THIS STAGE --> EXISTING HOT-MIX-ASPHALT PAVEMENT & AGGREGATE BASE MAY BE PLACED IN DESIGNATED STORAGE AREAS IN THIS STAGE (2,484 CU. YD. OF STORAGE AVAILABLE FOR 925 CU. YD. OF HMA & 2,011 CU. YD. OF AGGREGATE BASE COURSE)	-608*	
HANOVER ROAD (STAGE 4)						
9+54.79 TO 12+02.04	198	149	155		-7	
"B" ROAD (STAGE 2)						
8+50.08 TO 9+54.79	10	8	563		-556	
TOTAL	12,653	9,490	58,007		-46,315**	

NOTES: * QUANTITY REPRESENTS UTILIZING ALL EXISTING PAVEMENT AND SHOULDERS AS EMBANKMENT MATERIAL (AS OUTLINED ABOVE & REPRESENTED BY THE FOLLOWING COMPUTATION):
ADJ. EARTH EXCAVATION (8,042 CU. YD.) - EMBANKMENT (10,851 CU. YD.) + ADJ. HMA REMOVAL (0.75%)(925 CU. YD.) + ADJ. AGG. BASE REMOVAL (0.75%)(2,011 CU. YD.) = STAGE IV & V FURNISHED EXCAVATION (-608 CU. YD.)
THE RESIDENT ENGINEER HAS THE OPTION OF ADJUSTING THE FINAL GRADING JUST EAST OF THE LEFT SIDE DITCH ALONG THE PROPOSED ALIGNMENT BETWEEN STA. 308+37.33 AND 310+50 TO ENABLE STORM WATER RUNOFF TO ENTER THE PROPOSED DITCH (AND BALANCE THE EARTHWORK IN THE FINAL STAGES OF CONSTRUCTION).
** REFER TO BRIDGE STRUCTURAL PLANS FOR REMAINING QUANTITY.

ENTRANCE SCHEDULE					
LOCATION (STATION, DIRECTION)	ENTRANCE TYPE	EXISTING SURFACE	PROPOSED WIDTH (FEET)	IMPROVEMENT LENGTH (FEET)	PROPOSED GRADE (%)
BLUFF ROAD (CTY. HWY. #6)					
287+50.00 RT.	F.E.	AGGREGATE	24	23.2	-6.00
316+75.00 LT.	F.E.	AGGREGATE	24	54.8	-6.00
316+75.00 RT.	F.E.	AGGREGATE	24	40.9	-6.00
321+19.10 LT.	F.E.	AGGREGATE	20	50.8	4.90

PROPOSED RIPRAP SCHEDULE	
LOCATION	STONE DUMPED RIPRAP, CL. A4 (SPEC.) (SQ YD)
BLUFF ROAD (CTY. HWY. #6)	
289+61.68 RT.	8.0
294+00.00 RT.	11.0
301+00.00 LT.	93.4
301+00.00 RT.	112.5
TOTAL	225**

** REFER TO BRIDGE STRUCTURAL PLANS FOR REMAINING JOB QUANTITY.

DRAINAGE PIPE & CULVERT SCHEDULE										
LOCATION (STATION TO STATION)	TYPE	15" PIPE (FEET)	18" PIPE (FEET)	24" PIPE (FEET)	48" PIPE (FEET)	18" METAL END SECTIONS (EACH)	24" CONCRETE FLARED END SECTIONS (EACH)	48" CONCRETE FLARED END SECTIONS (EACH)	GRATING FOR 24" CONCRETE FLARED END SECTIONS (EACH)	PIPE CULVERT REMOVAL (FOOT)
BLUFF ROAD (CTY. HWY. #6)										
289+61.68 16.19' RT. TO 289+61.68 38.19' RT.	TYPE 1, CORR.STL./ALUM.		16			1				4
289+61.68 31.57' LT. TO 294+00.00 43.28' RT.	CLASS A, TYPE 2			70		1	2		2	45
301+00.00 57.07' LT. TO 301+00.00 65.22' RT.	CLASS A, TYPE 2				104			2		70
302+09.61 150.98' LT. TO 301+96.88 82.25' LT.										11
306+71.79 65.40' LT. TO 306+82.25 64.34' LT.										9
306+71.72 20.33' LT. TO 306+80.62 19.83' LT.										21
308+03.70 2.61' RT. TO 308+23.71 2.44' LT.										
316+00.00 LT. TO 316+00.00 LT.	CLASS D, TYPE 1 (TEMP.)	63								
316+47.40 41.62' LT. TO 317+02.61 40.96' LT.	TYPE 1, CORR.STL./ALUM.		52			2				30
320+94.30 33.68' LT. TO 321+43.90 33.07' LT.	TYPE 1, CORR.STL./ALUM.		47			2				24
316+74.93 117.30' LT. TO 317+02.81 118.75' LT.										30
321+06.57 69.57' LT. TO 321+29.89 63.51' LT.										24
TOTAL		63	115	70	104	6	2	2	2	213

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TITLE: **EARTHWORK, ENTRANCE, RIPRAP, AND DRAINAGE SCHEDULES**
PROJECT: **BLUFF ROAD (CTY. HWY. 6) BRIDGE REPLACEMENT OVER FOUNTAIN CREEK MONROE COUNTY, IL**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: KBF/JWS	SHEET 9
DESIGNED BY: BJJ	OF 67 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: BLUFF RD. BRIDGE OVER FOUNTAIN CRK.
APPROVED BY: SJK	PROJECT NUMBER: 116-040125
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input checked="" type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWINGS	