



**BOONE COUNTY**  
**Tucker School Road**  
**Bridge Project**  
**PROFILE SHEET**  
 6501 HIGHWAY 43 SOUTH  
 COLUMBIA, MISSOURI, 65201-9711  
 (771) 449-8615  
 FAX: (771) 812-2492

**END BENT QUANTITY DETAILS**

	BENT #1	BENT #2	TOTAL
PILE TYPE AND SIZE	HP 10 X 42	HP 10 X 42	N/A
NUMBER	5	5	10
APPROXIMATE LENGTH/PILE	31	33	N/A
DESIGN BEARING	34 TONS	34 TONS	N/A
HAMMER ENERGY REQUIRES	7,700 FT LBS	7,700 FT LBS	N/A
STRUCTURAL STEEL PILES	31 FT/PILE X 5 PILES = 155 LF	33 FT/PILE X 5 PILES = 165 LF	320 LF
BCPW CLASS D CONCRETE	34 CUBIC YARDS	34 CUBIC YARDS	<b>68 CUBIC YARDS</b>
REINFORCING STEEL	2700 LBS	2700 LBS	5400 LBS
PRE-BORED HOLES	22 FT/PILE X 5 PILES = 110 FT	24 FT/PILE X 5 PILES = 120 FT	230 FT

**NOTES:**

1. MINIMUM ENERGY REQUIREMENTS OF HAMMER BASED ON PLAN LENGTH AND DESIGN BEARING VALUE OF PILES.
2. ALL PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL.
3. PREBORE FOR PILES TO ELEVATION 478.2 AND 476.4 AT ABUTMENTS 1 & 2 RESPECTIVELY. MOST OF EACH BORING WILL BE THROUGH GLACIAL DRIFT CONSISTING OF SAND, GRAVEL AND POSSIBLE COBBLES. PREBORED HOLES SHALL BE IN ACCORDANCE WITH MODOT STANDARD SPECIFICATIONS.

*Addendum #3 issued 10/2/06. Replacement page. The change refers to quantity of BCPW class D concrete. The quantity was miscalculated and the total should be 68 yds. See this page with my instructions regarding stamp only refers to this quantity change.*

PROJECT No: 06-333  
 DATE: 09/08/06  
 H. SCALE: 1" = 30'  
 V. SCALE: 1" = 4'  
 DESIGNED BY: MVT  
 DRAWN BY: DCB  
 CHECKED BY: MVT

STATE OF MISSOURI  
 ANDREW EARL  
 CIVIL ENGINEER  
 LICENSE NO. 10200  
 PE-200012988  
 10/2/06

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