



BFI & OTHER STRUCTURES COST ESTIMATE SUMMARY/WORKSHEET

GDOT Project No. & PI
PROJECT NAME

CATEGORY	COST
Personnel	\$0
Field & Lab	\$0
Misc Specialty Services	\$0
PROJECT TOTAL	\$0

Assumptions/Project Information:

1. Bridge replacement to include relocation of structure _____ feet **upstream/downstream** from existing bridge, along a new alignment.
2. New bridge will consist of ___ spans (___ intermediate bents).
3. Based on site geology & the theoretical scour depths of _____ feet, assume average boring depths of _____ feet for intermediate bents. However, refusal to soil drilling methods may be encountered at shallower depths (anticipated geologic formation: _____, consisting of _____). Therefore, the final _____ feet of drilling at the intermediate bents may require rock coring to extend below scour limits and penetrate acceptable soils. End bent borings are anticipated to extend to an average depth of _____ feet each, without rock coring required.
4. Approaches and the new roadway alignment have been addressed under separate cover and are therefore not included in this scope.
5. Bent No. ___ (St ___+___) extends about _____ feet into the water from the creek bank. Because of shallow water depths, a pontoon barge can not be floated nor can a standard truck or ATV drill access the location without significant difficulty/costs. Therefore, we plan to offset the boring to the creek bank edge.
6. A dozer will/will not be required for clearing to boring locations from both sides of the creek.
7. MOT **will/will not** be required for the BFI. MOT will include_____.
8. This cost estimate assumes that all field work can be accomplished within normal business hours.
9. Private property will have to be entered to complete this study, including Corp of Engineers Property. Added personnel time and monies have been budgeted to gain permission for entry and restoration of these properties. Additionally, a historic site and a graveyard adjoins the roadway alignment and care will be required to ensure that such sites are not disturbed.
10. Any borings completed in historical areas or wetlands requiring special permits, oversight, etc. include only the costs for _____'s standard services for completion of the drilling. All other costs (i.e. archeologists, etc.) have not been not included.
11. Assumes no M.S.E. or bridge abutment walls planned.
- 12.
- 13.

Company Name Here

Company Address & Proposal/Project Number Here

BFI & OTHER STRUCTURES FIELD AND LABORATORY COST ESTIMATE WORKSHEET

GDOT Project No. & PI
PROJECT NAME

DRILLING					
NO.	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST
I					
IA	MOBILIZATION, PER RIG	each			\$0
IB	ADDITIONAL MOBE OVER 50 MILE RADIUS	per mile			\$0
IC	DRILL CREW PER DIEM, TWO MAN CREW	per person/day			\$0
ID	BRIDGE SPT BORINGS PER ASTM D-1586 (0-50')	foot			\$0
IE	BRIDGE SPT BORINGS PER ASTM D-1586 (50-	foot			\$0
IF	INCREASE FOR SPT BORINGS > 50 BLOWS/FT	foot			\$0
IG	ABUTMENT WALL SPT BORINGS PER ASTM D-1586	foot			\$0
IH	PIEZOMETER / MONITORING WELL (0-50')	foot			\$0
Ii	CORE OR ROTARY DRILLING SETUP	each			\$0
IJ	NQ ROCK CORING	foot			\$0
IK	TEMPORARY CASING	foot			\$0
IL	UNSUITABLE MATERIALS INVESTIGATION	foot			\$0
IM	SHELBY TUBE SAMPLES	each			\$0
IN	AUGER BORINGS	foot			\$0
IO	DIFFICULT MOVING	hour			\$0
IP	DRILL CREW STANDBY/DELAY/SITE REHAB	hour			\$0
IQ	DRILLING THROUGH CONCRETE, PER CORE	each			\$0
IR	WATER HAULING	hour			\$0
IS	PATCHING PAVEMENT AT GRADE	each			\$0
IT	PATCHING CONCRETE BRIDGE DECK	hour			\$0
IU					\$0
IV					\$0
IW					\$0
TOTAL DRILLING COSTS					\$0
LABORATORY					
II	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST
IIA	USCS TESTS (ASTM D-2487)	each			\$0
IIB	TRIAxIAL SHEAR	each			\$0
IIC	CONSOLIDATION	each			\$0
IID	NATURAL MOISTURE CONTENT	each			\$0
IIIE	ORGANIC CONTENT	each			\$0
IIIF	CORROSIvITY SERIES	each			\$0
IIIG					\$0
IIIH					\$0
IIi					\$0
TOTAL LABORATORY COSTS					\$0
OTHER DIRECT COSTS (SPECIFY)					
III	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST
IIIA	TRAVEL	mile			\$0
IIIB	DOZER FOR CLEARING TO BORING LOCATIONS	hour			\$0
IIIC	EROSION CONTROL (MATERIALS & TRENCHING EQUIPMENT)	lineal foot			\$0
IIID	LIMITED SITE RESTORATION in CLEARED/DISTURBED AREAS	Materials Costs @ Actual			\$0
IIIE	TRAFFIC CONTROL	hours			\$0
IIIF	PER DIEM (SEE ASSUMPTIONS BELOW)	per person/day			\$0
IIIG	GENERATOR & CORE MACHINE RENTAL	days			\$0
IIIH	SURVEY EQUIPMENT RENTAL	weeks			\$0
IIII					\$0
TOTAL OTHER DIRECT COSTS					\$0
TOTAL ESTIMATED FIELD AND LABORATORY COSTS					\$0

NOTES:

1. Assume erosion control in the form of silt fencing will be required along the creek bank.
2. Restoration is expected to include hay bales and seeding of all disturbed properties.
3. Assumes the use of an ATV drill to access borings.
4. Personnel per diem included to avoid hourly charge of traveling through Atlanta during rush hours.

Company Name Here
Company Address & Proposal/Project
Number Here

BFI & OTHER STRUCTURES MISC SPECIALTY SERVICES COST ESTIMATE WORKSHEET

GDOT Project No. & PI
PROJECT NAME

Misc Services (As Required, See Assumptions)						
NO.	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST	COMMENTS
IA	MOBILIZATION of SPECIALTY DRILL, PER RIG	each			\$0	Specify type of rig (ATV, Marsh Buggy, Low Headroom Rig, etc.)
IB	MOBILIZATION of SPECIALTY SUPPORT EQUIPMENT	each			\$0	Specify type of equipment
IC	TIME RATE DRILLING & SETUP FOR CONFINED SPACES, OVER WATER, SPECIALTY In-Situ FIELD	crew hour			\$0	Specify # in Crew
ID	BARGE (for drilling over water)	hour			\$0	If Rental, list as a direct expense
IE	WORK BOAT	hour			\$0	If Rental, list as a direct expense
IF	EQUIPMENT CHARGE (PACKERS, PRESSUREMETER, DILATOMETER, ETC.)	hour			\$0	Specify Equipment: Note, if rental charge must be shown as a direct
IG	SOIL TEST BORINGS below 100 feet in depth	feet			\$0	Specify depth range
IH	HQ ROCK CORING	feet			\$0	
Ii	GROUTING of BOREHOLES	feet			\$0	
IJ	TRAINING OF FIELD PERSONNEL DUE TO SPECIAL SITE REQUIREMENTS	hour			\$0	Specify requirements and by who this is required
IK	CASING ADVANCER (drilling through debris, rubble fill or boulders)	feet			\$0	
IL	SEISMIC REFRACTION CREW (Personnel only)	crew hour			\$0	
IM	TIME RATE DECON FOR ENVIRONMENTAL PURPOSES	hour			\$0	
IN	GROUND PENETRATING RADAR (GPR)	hour			\$0	
IO	UNSUITABLE MATERIALS INVESTIGATION	feet			\$0	
IP	WATER TRUCK	days			\$0	
IQ					\$0	
IR					\$0	
IS					\$0	
IT					\$0	
IU					\$0	
IV					\$0	
IW	UNSUITABLE MATERIALS INVESTIGATION	hour			\$0	
TOTAL DRILLING COSTS					\$0	
LABORATORY						
II	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST	COMMENTS
IIA					\$0	
IIB					\$0	
IIC					\$0	
IID					\$0	
IIE					\$0	
IIF					\$0	
IIG					\$0	
IIH					\$0	
Iii					\$0	
TOTAL LABORATORY COSTS					\$0	
OTHER DIRECT COSTS (SPECIFY)						
III	ITEM	UNIT	EST. NO OF UNITS	UNIT RATE	COST	COMMENTS
IIIA	TRAVEL	mile			\$0	Specify for whom
IIIB	DOZER or OTHER EQUIPMENT FOR GAINING BORING ACCESS	hour			\$0	
IIIC	CRANE RENTAL	hour			\$0	
IIID	DECON UNIT, GENERATOR or CORE MACHINE	days			\$0	Specify
IIIE	TRAFFIC CONTROL	days			\$0	
IIIF	PER DIEM (SEE ASSUMPTIONS)	per person/day			\$0	
IIIG	OTHER SITE SAFETY REQUIREMENTS	each			\$0	Specify
IIIH	PERMITS or BONDS	each			\$0	Specify
IIii	SPECIALTY FIELD EQUIPMENT	days			\$0	Specify Type
IIIJ	PERSONAL PROTECTIVE EQUIPMENT FOR ENVIRONMENTAL DRILLING	each			\$0	
IIIK					\$0	
IIIL					\$0	
IIIM					\$0	
TOTAL OTHER DIRECT COSTS					\$0	
TOTAL ESTIMATED FIELD AND LABORATORY COSTS					\$0	

NOTES:

Company Name Here

Company Address & Proposal/Project Number Here