



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

PROPOSAL
for the
GEOTECHNICAL EXPLORATION

Instructions: Enter data in the shaded cells only.
(Enter state route number, project description, county, consultant's name, prepared by name, and date prepared. This information will be transferred to all other sheets. The date prepared must be entered in the appropriate cell on this sheet to remove these instructions prior to printing.)

<COUNTY-ROUTE-SECTION>

<PID>

<PROJECT DESCRIPTION - roadway length, number of bridges/culverts, type and length of other structures, type and length of geohazard>

<GEOTECHNICAL CONSULTANT>

Prepared By: **<NAME>**

Date prepared: **<DATE>**

<CONTACT NAME>
<CONTACT ADDRESS>
<CONTACT ADDRESS>
<CONTACT ADDRESS>
<BUSINESS TELEPHONE>
<EMAIL ADDRESS>

GEOTECHNICAL EXPLORATION PROPOSAL		FIELD EXPLORATION			
C/R/S :	<COUNTY-ROUTE-SECTION>				
PID NO.:	<PID>				
CONSULTANT:	<GEOTECHNICAL CONSULTANT>				
DATE:	<DATE>				
Task	Quantity	Unit	Unit Cost	Cost	Task Description
Mobilization/Demobilization	1	lump		\$0	Getting the necessary equipment and personnel to and from the project site. Includes crew travel time and mileage to and from the site, at the start and upon completion.
Subtotal				\$0	
Traffic Maintenance					Describe each traffic control set-up, as referenced in the Ohio Manual of Uniform Traffic Control Devices, by the Typical Application No. Includes all flaggers, law enforcement, per-diem, mileage, and equipment and personnel to set-up, maintain, and tear down traffic control zones
Typical Application No.		days		\$0	
Typical Application No.		days		\$0	
Railroad Traffic Control		days		\$0	
Subtotal				\$0	
Subsurface Exploration					Includes all necessary equipment, materials, and personnel to move equipment and crew between borings, set-up, drill, sample, supply water, perform visual descriptions of rock samples, prepare field logs, backfill borehole, and contain, preserve and transport samples. All drilling footage measured from the ground surface or the bottom of the body of water, as applicable.
Hand Sampling					
Method Description		feet		\$0	Includes all equipment and personnel to excavate, sample, log and backfill each hand sampling method
Method Description		feet		\$0	
Test Pits					
		each		\$0	Includes all equipment and personnel to excavate, sample, log and backfill test pit
Pavement/Bridge Deck Coring					
Core Diameter		in.			Includes all equipment, personnel, and material to core and patch pavement/bridge deck and either handle or dispose of core.
Core Diameter		each		\$0	
Core Diameter		in.			
Core Diameter		each		\$0	
Truck/ATV/Trailer Mounted Rotary Drilling					
Number of Drill Rig Days		days			Includes all methods of rotary drilling on land, except skid rig
Total Soil Footage (ft)	0		0 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
No Sampling		feet		\$0	
5-ft SPT		feet		\$0	
2.5-ft SPT		feet		\$0	
Continuous SPT		feet		\$0	
Undisturbed Samples		each		\$0	Includes press, preservation, transport, and extraction, minimum 50% recovery
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Skid Drilling					
Number of Drill Rig Days		days			
Total Soil Footage (ft)	0		0 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
No Sampling		feet		\$0	
5-ft SPT		feet		\$0	
2.5-ft SPT		feet		\$0	
Continuous SPT		feet		\$0	
Undisturbed Samples		each		\$0	Includes press, preservation, transport, and extraction, minimum 50% recovery
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Barge Drilling					
Number of Drill Rig Days		days			
Total Soil Footage (ft)	0		0 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
5-ft SPT		feet		\$0	
2.5-ft SPT		feet		\$0	
Continuous SPT		feet		\$0	
Undisturbed Samples		each		\$0	Includes press, preservation, transport, and extraction, minimum 50% recovery
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Barge		days		\$0	Includes all costs associated with barge drilling access (permits, spuds, safety equipment, boats, tugs, etc.)
Other Exploratory Methods					
Method Description		days		\$0	CPT, DCP, Geophysical, etc. Propose a daily rate to include all costs associated with performing the described exploratory method.
Method Description		days		\$0	
In-situ Testing					
Test:		days		\$0	Includes all mobilization/demobilization, equipment, material, labor, travel, per diem, calibration, and data reduction
Test:		days		\$0	
Installation/Reading of Geotechnical Instruments					
Open Standpipe Piezometer		feet		\$0	Excludes cost of drilling - present above. Includes all material and labor for installation
Monitoring Well		feet		\$0	
Inclinometer		feet		\$0	
Misc (describe)		each		\$0	pneumatic or vibrating wire piezometers, strain gages, extensometers, TDR cable, etc.
Instrument Readings		trips		\$0	Includes all equipment, material, labor, travel, per diem, calibration, and data reduction
Subtotal				\$0	
Direct Costs					
Drill Crew Meals and Lodging				\$0	
Other (describe)				\$0	
Subtotal				\$0	
FIELD EXPLORATION TOTAL ALL PARTS			Total	\$0	

GEOTECHNICAL EXPLORATION PROPOSAL

LABORATORY TESTING

C/R/S : <COUNTY-ROUTE-SECTION>

PID NO.: <PID>

CONSULTANT: <GEOTECHNICAL CONSULTANT>

DATE: <DATE>

	Test	Test Method		Quantity	Unit	Unit Cost	Cost	Remarks
		AASHTO	ASTM					
Soil Testing								
	Complete Classification	Multiple	Multiple	0	each	\$165	\$0	Includes Visual Description per SGE Section 602, T265, T88, T89, T90
	Water Content Test and Visual Description	T265	D2216	0	each	\$13	\$0	Visual Description per SGE Section 602
	Particle Size Analysis - Sieve Only	T88	D422	0	each	\$69	\$0	As modified per SGE Section 603.3
	Particle Size Analysis - Sieve and 2-hour Hydrometer	T88	D422	0	each	\$95	\$0	As modified per SGE Section 603.3
	Liquid Limit Test	T89	D4318	0	each	\$42	\$0	As modified per SGE Section 603.3
	Plastic Limit Test	T90	D4318	0	each	\$39	\$0	As modified per SGE Section 603.3
	Organic Content by Loss on Ignition	T267	D2974	0	each	\$52	\$0	
	Soil Unconfined Compression Test	T208	D2166	0	each	\$82	\$0	
	Unconsolidated-Undrained Triaxial Compression Test	T296	D2850	0	1 point	\$183	\$0	
	Consolidated-Undrained Triaxial Compression Test (with pore pressure measurement)	T297	D4767	0	3 points	\$960	\$0	
	One-Dimensional Consolidation Test	T216	D2435	0	each	\$550	\$0	
	Specific Gravity Test	T100	D854	0	each	\$66	\$0	
	Direct Shear Test	T236	D3080	0	3 points	\$528	\$0	
	Sulfate Content in Soils, Colorimetric Method	ODOT S1122	NA	0	each	\$102	\$0	
	Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
	Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Subtotal							\$0	
Rock Testing								
	Unconfined Compressive Strength of Intact Rock Core Specimen	NA	D7012, Method C	0	each	\$99	\$0	
	Slake Durability of Shales and Similar Weak Rocks	NA	D4644	0	each	\$229	\$0	
	Determination of the Point Load Strength Index of Rock	NA	D5731	0	each	\$66	\$0	
	Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression	NA	D7012, Method D	0	each	\$266	\$0	
	Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
	Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
	Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Subtotal							\$0	
LABORATORY TESTING TOTAL ALL PARTS					Total	\$0		

GEOTECHNICAL EXPLORATION PROPOSAL

DIRECT COSTS

C/R/S : <COUNTY-ROUTE-SECTION>

PID NO.: <PID>

CONSULTANT: <GEOTECHNICAL CONSULTANT>

DATE: <DATE>

Task	Quantity	Unit	Unit Cost	Cost
RECONNAISSANCE AND PLANNING				
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
Subtotal				\$0.00
FIELD COORDINATION				
Field Coordination				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	0	mile	\$0.52	\$0.00
Permits	0	each	\$0.00	\$0.00
Dozer and Operator (site access and restoration)	0	hour	\$0.00	\$0.00
Site Restoration (not including Dozer)	0	site	\$0.00	\$0.00
Railroad Permits	0	each	\$0.00	\$0.00
Other (describe)	0		\$0.00	\$0.00
Other (describe)	0		\$0.00	\$0.00
Subtotal				\$0.00
Logging (If drilling is subcontracted)				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	0	mile	\$0.52	\$0.00
Other (describe)	0		\$0.00	\$0.00
Subtotal				\$0.00
Subtotal				\$0.00
GEOTECHNICAL EXPLORATION REPORT				
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
Subtotal				\$0.00
DIRECT COSTS TOTAL ALL PARTS			Total	\$0.00



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

GEOTECHNICAL EXPLORATION
STANDARD INVOICE FORM

<COUNTY-ROUTE-SECTION>

<PID>

<PROJECT DESCRIPTION - roadway length, number of bridges/culverts, type and length of other structures, type and length of geohazard>

<GEOTECHNICAL CONSULTANT>

Prepared By: **<NAME>**

Signature: _____

Date prepared: **<TODAY'S DATE>**

<CONTACT NAME>
<CONTACT ADDRESS>
<CONTACT ADDRESS>

<BUSINESS TELEPHONE>
<EMAIL ADDRESS>

Invoice Period: _____ **<START DATE>** to _____ **<END DATE>**

Invoice Number: **<NUMBER>**

<DESCRIPTION OF WORK PERFORMED DURING THIS PERIOD>

GEOTECHNICAL EXPLORATION INVOICE **FIELD EXPLORATION**

C/R/S : <COUNTY-ROUTE-SECTION>
 PID NO.: <PID>
 CONSULTANT: <GEOTECHNICAL CONSULTANT>
 DATE: <TODAY'S DATE>
 INVOICE PERIOD: <START DATE> TO <END DATE>
 INVOICE NUMBER: <NUMBER>

Task	Quantities Completed this Period	Quantities Approved	Quantities Completed to Date	Quantities Remaining	Unit	Unit Cost	Cost This Period
Mobilization/Demobilization	0	1	0	1	lump	\$0.00	\$0
Subtotal							\$0

Traffic Maintenance							
Typical Application No.	0	0	0	0	days	\$0.00	\$0
Typical Application No.	0	0	0	0	days	\$0.00	\$0
Railroad Traffic Control	0	0	0	0	days	\$0.00	\$0
Subtotal							\$0

Subsurface Exploration

Hand Sampling

Method Description	0	0	0	0	feet	\$0.00	\$0
Method Description	0	0	0	0	feet	\$0.00	\$0

Test Pits

	0	0	0	0	each	\$0.00	\$0
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Pavement/Bridge Deck Coring

Core Diameter	0 in.	0	0	0	each	\$0.00	\$0
Core Diameter	0 in.	0	0	0	each	\$0.00	\$0

Truck/ATV/Trailer Mounted Rotary Drilling

Number of Drill Rig Days	0	0	0	0	days		
Total Soil Footage (ft)	0		0	0	ft/day		
Total Rock Footage (ft)	0		0	0	ft/day		
No Sampling	0	0	0	0	feet	\$0.00	\$0
5-ft SPT	0	0	0	0	feet	\$0.00	\$0
2.5-ft SPT	0	0	0	0	feet	\$0.00	\$0
Continuous SPT	0	0	0	0	feet	\$0.00	\$0
Undisturbed Samples	0	0	0	0	each	\$0.00	\$0
Rock Coring	0	0	0	0	feet	\$0.00	\$0
Permanent Borehole Sealing	0	0	0	0	feet	\$0.00	\$0

Skid Drilling

Number of Drill Rig Days	0	0	0	0	days		
Total Soil Footage (ft)	0		0	0	ft/day		
Total Rock Footage (ft)	0		0	0	ft/day		
No Sampling	0	0	0	0	feet	\$0.00	\$0
5-ft SPT	0	0	0	0	feet	\$0.00	\$0
2.5-ft SPT	0	0	0	0	feet	\$0.00	\$0
Continuous SPT	0	0	0	0	feet	\$0.00	\$0
Undisturbed Samples	0	0	0	0	each	\$0.00	\$0
Rock Coring	0	0	0	0	feet	\$0.00	\$0
Permanent Borehole Sealing	0	0	0	0	feet	\$0.00	\$0

Barge Drilling

Number of Drill Rig Days	0	0	0	0	days		
Total Soil Footage (ft)	0		0	0	ft/day		
Total Rock Footage (ft)	0		0	0	ft/day		
5-ft SPT	0	0	0	0	feet	\$0.00	\$0
2.5-ft SPT	0	0	0	0	feet	\$0.00	\$0
Continuous SPT	0	0	0	0	feet	\$0.00	\$0
Undisturbed Samples	0	0	0	0	each	\$0.00	\$0
Rock Coring	0	0	0	0	feet	\$0.00	\$0
Permanent Borehole Sealing	0	0	0	0	feet	\$0.00	\$0
Barge	0	0	0	0	days	\$0.00	\$0

Other Exploratory Methods

Method Description	0	0	0	0	days	\$0.00	\$0
Method Description	0	0	0	0	days	\$0.00	\$0

In-situ Testing

Test:	0	0	0	0	days	\$0.00	\$0
Test:	0	0	0	0	days	\$0.00	\$0

Installation/Reading of Geotechnical Instruments

Open Standpipe Piezometer	0	0	0	0	feet	\$0.00	\$0
Monitoring Well	0	0	0	0	feet	\$0.00	\$0
Inclinometer	0	0	0	0	feet	\$0.00	\$0
Misc (describe)	0						
Instrument Readings	0	0	0	0	each	\$0.00	\$0
Instrument Readings	0	0	0	0	trips	\$0.00	\$0
Subtotal							\$0

Direct Costs

Drill Crew Meals and Lodging	0	0	0	0			\$0
Other (describe)	0	NA	0	NA			\$0
Subtotal							\$0

FIELD EXPLORATION TOTAL THIS INVOICE PERIOD **Total** **\$0**

GEOTECHNICAL EXPLORATION INVOICE

LABORATORY TESTING

C/R/S : <COUNTY-ROUTE-SECTION>

PID NO.: <PID>

CONSULTANT: <GEOTECHNICAL CONSULTANT>

DATE: <TODAY'S DATE>

INVOICE PERIOD: <START DATE> TO <END DATE>

INVOICE NUMBER: <NUMBER>

	Test	Test Method		Quantities Completed This Period	Quantities Approved	Quantities Completed to Date	Quantities Remaining	Unit	Unit Cost	Cost This Period
		AASHTO	ASTM							
Soil Testing										
	Complete Classification	Multiple	Multiple	0	0	0	0	each	\$165	\$0
	Water Content Test and Visual Description	T265	D2216	0	0	0	0	each	\$13	\$0
	Particle Size Analysis - Sieve Only	T88	D422	0	0	0	0	each	\$69	\$0
	Particle Size Analysis - Sieve and 2-hour Hydrometer	T88	D422	0	0	0	0	each	\$95	\$0
	Liquid Limit Test	T89	D4318	0	0	0	0	each	\$42	\$0
	Plastic Limit Test	T90	D4318	0	0	0	0	each	\$39	\$0
	Organic Content by Loss on Ignition	T267	D2974	0	0	0	0	each	\$52	\$0
	Soil Unconfined Compression Test	T208	D2166	0	0	0	0	each	\$82	\$0
	Unconsolidated-Undrained Triaxial Compression Test	T296	D2850	0	0	0	0	1 point	\$183	\$0
	Consolidated-Undrained Triaxial Compression Test (with pore pressure measurement)	T297	D4767	0	0	0	0	3 points	\$960	\$0
	One-Dimensional Consolidation Test	T216	D2435	0	0	0	0	each	\$550	\$0
	Specific Gravity Test	T100	D854	0	0	0	0	each	\$66	\$0
	Direct Shear Test	T236	D3080	0	0	0	0	3 points	\$528	\$0
	Sulfate Content in Soils, Colorimetric Method	ODOT S1122	NA	0	0	0	0	each	\$102	\$0
	Misc. (identify test)	0	0	0	0	0	0	0	\$0	\$0
	Misc. (identify test)	0	0	0	0	0	0	0	\$0	\$0
Subtotal										\$0
Rock Testing										
	Unconfined Compressive Strength of Intact Rock Core Specimen	NA	D7012, Method C	0	0	0	0	each	\$99	\$0
	Slake Durability of Shales and Similar Weak Rocks	NA	D4644	0	0	0	0	each	\$229	\$0
	Determination of the Point Load Strength Index of Rock	NA	D5731	0	0	0	0	each	\$66	\$0
	Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression	NA	D7012, Method D	0	0	0	0	each	\$266	\$0
	Misc. (identify test)	0	0	0	0	0	0	0	\$0	\$0
	Misc. (identify test)	0	0	0	0	0	0	0	\$0	\$0
	Misc. (identify test)	0	0	0	0	0	0	0	\$0	\$0
Subtotal										\$0
LABORATORY TESTING TOTAL THIS INVOICE PERIOD									Total	\$0

GEOTECHNICAL EXPLORATION INVOICE**DIRECT COSTS**

C/R/S : <COUNTY-ROUTE-SECTION>

PID NO.: <PID>

CONSULTANT: <GEOTECHNICAL CONSULTANT>

DATE: <TODAY'S DATE>

INVOICE PERIOD: <START DATE> TO <END DATE>

INVOICE NUMBER: <NUMBER>

Task	Quantities Completed This Period	Unit	Unit Cost	Cost This Period	
RECONNAISSANCE AND PLANNING					
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
Subtotal				\$0.00	
FIELD COORDINATION					
Field Coordination					
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
Subtotal				\$0.00	
Logging (If drilling is subcontracted)					
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
Subtotal				\$0.00	
Subtotal				\$0.00	
GEOTECHNICAL EXPLORATION REPORT					
(describe)	0		\$0.00	\$0.00	
(describe)	0		\$0.00	\$0.00	
Subtotal				\$0.00	
Subtotal				\$0.00	
DIRECT COSTS TOTAL THIS INVOICE PERIOD				Total	\$0.00