



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFO NUMBER  
**PTR09035**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER  
 304-558-2316**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

**DIVISION OF PUBLIC TRANSIT  
 BUILDING 5, ROOM 906  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0432 304-558-0428**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2009				

BID OPENING DATE: **06/18/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE FOLLOWING:						
1) BID CLARIFICATIONS						
2) TECHNICAL QUESTIONS AND ANSWERS						
3) GEOTECHNICAL INVESTIGATION						
4) MANDATORY PRE-BID SIGN SHEET						
0001	1	EA		968-20		
CONSTRUCITN ADMINISTRATIVE OFFICE & MAINTENANCE FAC						
***** THIS IS THE END OF RFQ PTR09035 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE \_\_\_\_\_ TELEPHONE \_\_\_\_\_ DATE \_\_\_\_\_

TITLE \_\_\_\_\_ FEIN \_\_\_\_\_ ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## GENERAL TERMS & CONDITIONS PURCHASE ORDER/CONTRACT

1. **ACCEPTANCE:** Seller shall be bound by this order and its terms and conditions upon receipt of this order.
2. **APPLICABLE LAW:** The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
3. **NON-FUNDING:** All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the terms of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
4. **COMPLIANCE:** Seller shall comply with all Federal, State and local laws, regulations and ordinances including, but not limited to, the prevailing wage rates of the WV Division of Labor.
5. **MODIFICATIONS:** This writing is the parties final expression of intent. No modification of this order shall be binding unless agreed to in writing by the Buyer.
6. **ASSIGNMENT:** Neither this Order nor any monies due, or to become due hereunder may be assigned by the Seller without the Buyer's consent.
7. **WARRANTY:** The Seller expressly warrants that the goods and/or services covered by this order will: {a} conform to the specifications, drawings, samples or other description furnished or specified by the Buyer; {b} be merchantable and fit for the purpose intended; and/or {c} be free from defect in material and workmanship.
8. **CANCELLATION:** The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
9. **SHIPPING, BILLING & PRICES:** Prices are those stated in this order. No price increase will be accepted without written authority from the Buyer. All goods or services shall be shipped on or before the date specified in this Order.
10. **LATE PAYMENTS:** Payments may only be made after the delivery of goods or services. Interest may be paid on late payments in accordance with the *West Virginia Code*.
11. **TAXES:** The State of West Virginia is exempt from Federal and State taxes and will not pay or reimburse such taxes.
12. **RENEWAL:** Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

**TRI RIVER TRANSIT  
ADMINISTRATIVE OFFICES AND MAINTENANCE FACILITY  
PTR09035  
ADDENDUM NO. 1**

**TECHNICAL SPECIFICATIONS**

1. **Section 04 05 11, 2.2, B: Add note 4. As follows:**
  - “4. **Water-Repellent Admixture:** Liquid water-repellent mortar admixture intended for use with concrete masonry units, containing integral water repellent by same manufacturer.
    - a. Addiment Incorporated; Mortar Tite.
    - b. Grace Construction Products, a unit of W. R. Grace & Co., - Conn.; Dry-Block Mortar Admixture.
    - c. Master Builders, Inc.; Rheomix Rheopel.
    - d. Or Equal.”
2. **Section 087100, 3.2: Delete door position switches from all exterior door hardware sets.**
3. **Section 087100, 3.2: Provide hardware at Door 116D AS FOLLOWS:**

“All items in Set 16 plus door sound seals at jambs, sill and head.”
4. **Section 101420, 2.2, A: Add Item 5 “size 24”w x 18” high with not less than 300 characters required.**
5. **Section 11 12 18: Delete entire section.**
6. **Section 122110, 1.1, A: Add Item 2 “All exterior and interior windows including sidelights are to be provided with blinds. Exception window Type 4.”**
7. **Section 125703, 1.2, B: Change Note 1 to read as follows:**

“Two required.”
8. **Section 220500, 3.5, A: Add the following:**

“Provide base for water heater.”
9. **Section 095110, 2.1, A.1: Change “Miniboard Cortega” to “Cortega”**

## PLANS

1. **Sheet A-201 – Keynote 6:** Change 6-inch concrete to 8-inch concrete.
2. **Sheet A-201 – Keynote 7:** Add “see A-302, Section 2”.
3. **Sheet A-202 – Wall Type B2:** Delete note referring to Stud BRG wall and add the follows:
  4. “See structural drawings for metal stud BRG wall requirements.”
5. **Sheet A-202 – Wall Type D2 and D3:** Delete “vinyl”. Add “See metal building specification for insulation facing.”
6. **Sheet A-203 – Door Schedule – Note 2:** Delete Note 2 and change to the following:
 

“Provide overhead door manufacturer’s standard commercial remote door opening system with 12 handheld remote operators.
7. **Sheet A-203 – Detail H1 and H2:** See Sheet A-303, Section 2 for continuous metal flashing at top brick course.
8. **Sheet A-203 – Jamb Type J1 and J2:** Extend wall sheathing over face of stud.
9. **Sheet A-203 – Jamb Type J5:** Refer to structural drawings for masonry reinforcing.
10. **Sheet A-206 – Finish Schedule:** Rooms 108 and 111 to have chair rail per Finish Note 4. Room 108 is to have rubber base. Delete wood base.
11. **Sheet A-206 – Finish Schedule Notes:** Add Note 6 “ Room 108 and 111 will 2 wall colors.”
12. **Sheet A-303/2:** Second line of 4-inch concrete slab note to read as follows:
 

“with 10 mil vapor barrier”.
13. **Sheet A-304 – Detail 3:** Place continuous exterior joint filler on face of top chord of light gage metal truss adjacent to masonry wall.
14. **Sheet A-401 – General Notes:** Add the following note:
 

“7. See Sheet A-301 for additional downspout locations.
15. **Sheet E-401:** Receptacles on LP2-42 to be connected into circuit LP2-6. Circuit 42 to be a spare.
16. **Sheet E-401 – Code Note 17:** Add the following:
 

“provide EF-7 motor switch with pilot light and a clear plastic locking cover”.
17. **Sheet A-204 – Sill Detail:** Cut and slope solid sill brick to drain 3/8-inch. Option: Install as header course with cut brick.

18. **Sheet A-205 – Room 117:** Delete note “furniture not in contract”. The shelving shown in room is part of contract work. See Specification 105615.
19. **Sheet A-207 – Room 116B:** Provide 2 layers 5/8-inch Type “X” gypsum board and ceiling assembly.
20. **Sheet C-202 – Utility General Notes:** Add the following:

“12. See Drawing F201, General Note D for fire water service line requirements.”
21. **Sheet C-301 – Site Sign Detail:** Sign will be painted or clear anodized. Custom color as per Architect.
22. **Sheet E-301 – Room 116A:** Coordinate light fixture locations with HVAC equipment and ducting.
23. **Sheet E-301, - Room 116B:** Provide switch with pilot light.
24. **Sheet E-501 – Code Note 6:** Delete note.
25. **Sheet E-501 – Plan:** Fire alarm system design shall assume a two zone fire suppression system will be provided.
26. **Sheet E-501 – Sheet Notes – D:** Delete “CATV Co.” from note and add “Contractor”. CATV Co will make final connections to their equipment in Room 116C.
27. **Sheet E-501 – Room 104A:** Delete CATV outlet.
28. **Sheet E-501 – Code Note 7:** Provide tamper and flow switches as required to provide a complete operational system. Coordinate with fire protection equipment supplied.
29. **Sheet E-701 – Light Fixture “J”:** Delete electronic ballast.
30. **Sheet E-901 – One Line Diagram:** Portable generator is not in contract.
31. **Sheet G-001 – Index of Drawings, Sheet 12:** Correct spelling “Schedule”.

**Sheet M-202 – General Notes:** Add Note E. as follows:

“Provide 4-inch high concrete base under AHU 1-3.”
32. **Sheet M-202 – Sequence of Operation for HVAC Controls:** Change unit heaters 9 through 13 to read 10 through 14.

33. **Sheet M-202 – Mechanical Plan – Room 125:** Change all references of CO<sub>2</sub> and NO<sub>2</sub> to read CO and O<sub>2</sub>. Basis of design for CO and O<sub>2</sub> sensor system is as follows: Model TOX-4ANA Controller, Model TOX CO/ANA Carbon Monoxide Sensor and Model TOX-O<sub>2</sub> ANA sensor. Provide with second stage audible alarm device, door mounted digital display and on/off switch. Set points to be adjustable. The control panel shall override fan off switch. Provide a manual reset to de-energize the alarm with a 5-minute (adjustable) delay. Install not less than 2-CO and 2-O<sub>2</sub> sensors in Room 125 at locations as recommended by system manufacturer. Provide complete data and shop drawings for a complete installation. Provide a proof demonstration that the system works at the required sensing thresholds. Provide minimum 2 hours of operation and maintenance instruction to Owner.
34. **Sheet M-202 – Code Note 18:** Number of sensors and locations to be in accordance with manufacturer's recommendation.
35. **Sheet M-203 – Electric Cabinet Heater Schedule:** Delete UH-9 and add UH-14.
36. **Sheet M-203 – Fan Schedule EF-3”** CFM to be 6100/3900.
37. **Sheet P-101 – Plumbing Fixture Schedule:** Seat color shall be white. Delete Black.
38. **Sheet P-301/3: Delete note:**

“4 inches FD below emergency station”.
39. **Sheet V-101:** Do not use this sheet for determining the approximate debris pile location.
40. **Sheet A-202 – Wall Type D:** Change 3½-inch batt insulation to 6-inch.

**BID QUESTIONS DIRECTED TO FRANK WHITTAKER AND RESPONSES****1. Question:**

Page 3 of the RFQ states 425 days to complete, however page 82 of the RFQ (Bid Form #2) states 365 days. Please clarify.

**Response:**

The projects substantial completion is 365 days. After the substantial completion date is set, then the contractor has 60 days to meet the final completion date.

**2. Question:**

Please provide specifications for Asphalt Paving.

**Response:**

See Sheet C-201, General Note 1 and Sheet C-301 Asphalt Pavement section detail.

**3. Question:**

Is the "Waste Oil Containment Tank" part of this contract or is it to be provided by the Owner? Please clarify. Notes would hint that it is to be provided by the Owner.

**Response:**

Tank is not to be provided. Waste oil containment vessel as detailed on C-302 is provided by Contractor.

**4. Question:**

Has a Geotechnical Subsurface Soil Investigation Report been completed and, if so, is it available for bidder's review?

**Response:**

See attached soils report.

**5. Question:**

"AREAS AS SHOWN ON STRUCTURAL DRAWINGS UNDER NEW INTERIOR SLABS ON GRADE SHALL BE UNDERCUT AS NOTED." How much undercut do we figure? Due to the unquantifiable nature of any below grade material that may be classified as unsuitable, if any exists, is impossible to determine at this time. Can you please clarify the amount of undercut we will be required to provide or provide a Quantity or Monetary

Allowance for this UNDERCUT?

**Response:**

During the construction phase if any unsuitable materials are uncovered, this will be addressed through a change order process. All parties will agree upon the amount and procedure to follow.

6. **Question:**

Drawing S-201, Note 5 "RPVOIDE SELECT COMPACTED FILL FROM BELOW EXISTING GRADE UP TO SUBGRADE (SHADED AREA) ---- The area of fill is clear, but to what depth? Please provide the depth of fill required.

**Response:**

1-foot 6-inches from below existing grade. Extent of building undercut volume is in shaded area. Shape of area may be field modified; volume will remain constant.

7. **Question:**

Also, the specifications (Section 312300) indicates both granular backfill and soil backfill. Which is required?

**Response:**

Select compacted fill is from on-site soils.

8. **Question:**

Section 033000, Page 23, Article 3.5A: "ACI Grade 1 certified technician employed by the testing laboratory shall be present during the placing of all concrete." ---- This could get quite expensive! Do you really want to pay for a certified technician to stand around all day while we are pouring concrete or can he take the required tests for the day and return to the lab? Please clarify.

**Response:**

Certified Technician will be required for the purpose of performing required testing and handling of samples taken.

9. **Question:**

It appears that the debris pile on the project site is a variety of different types of waste material. The site has been used as a dump site. Some of the material is buried and unidentifiable. Should environmental issues arise or hazardous material be uncovered during the removal process, who is responsible? The Supplementary conditions stipulate that the Owner will reimburse the Contractor should this case arise (Article 10.5). However, Article 10.3.3 "Owner shall indemnify and hold harmless the contractor" has been deleted by the same



Supplementary Conditions. Also, will ALL debris need to be taken to a certified landfill?  
Please clarify.

**Response:**

At any point environment issues arise or hazardous materials are uncovered it will be the responsibility of Tri River Transit.

All landfills are certified in the State of West Virginia. If special handling of the materials is required, then the cost of such charges will be the responsibility of Tri River Transit.

10. **Question:**

In reference to drawing A-205, please identify which furnishings and equipment are Owner-furnished versus Contractor-furnished.

**Response:**

Contractor furnished furnishings include items in Specification Section 105615 Storage Shelving which include units in Rooms 116A, 116B, and 117. Case work and counters in Rooms 106, 115, and 123 are provided by Contractor. Remainder of furnishings shown in Rooms 101, 103, 104A, 105, 107, 108, 109, 111, and 123 are by Owner.

11. **Question:**

Specification Section 105615 Storage Shelving – please clarify location and quantity of storage shelving required. Specs say: Starter Units – Four (4), Add On Units – Eight (\*). Are we to include the “Add On Units” in our base price or will these be added later?

**Response:**

All 12 units are Base Bid.

12. **Question:**

The specifications call out for wood chair rail, however the Finish Schedule does not indicate any. The Finish Schedules indicates wood base in the conference room. Does the conference room get wood chair rail too? Please clarify.

**Response:**

Provide wood chair rail in Rooms 108 and 111.

13. **Question:**

Brick style and color? Will the brick have bull-nose shapes available?

**Response:**

Beldon Commodore Full Range from gray group #8530 or equal as shown on Beldon website. Shape is a standard type by custom order.

14. **Question:**

Colored Mortar?

**Response:**

Colored mortar is not required.

15. **Question:**

Water Repellant Add Mixture Required?

**Response:**

See Addendum specification items.

16. Please use attached pages 2, 4 and 5 of 5 for the ARRA Stimulus Money signs that need to be part of this project.

17. **Question:**

Please see question below from one of our subcontractors. Are we using two different types of Standing Seam Metal Roofs on this project? Please clarify.

**Response:**

Two metal roof types are specified, which is intentional. One in the metal building spec.& the one for the admin. roof will be spec. section 076110.

18. **Question:**

The specifications call for 3/4" thick tile. The tile is not manufactured in 3/4", as it is only available in 5/8". Please clarify the required thickness or ceiling tile type.

**Response:**

5/8" thickness is acceptable in the Cortega product.

19. **Question**

Will there be burning allowed on the site?

**Response:**

Vendor must seek approval from Tri River Transit and all local authorities prior to burning per Specifications.

**GEOTECHNICAL INVESTIGATION  
TRI-RIVER TRANSIT AUTHORITY FACILITY  
HAMLIN, WEST VIRGINIA**

**NGE PROJECT NO. W09020**

**SUBMITTED TO:**

**BURGESS & NIPLE  
PARKERSBURG, WEST VIRGINIA**

**SUBMITTED BY:**

**NGE, LLC  
ST. ALBANS, WEST VIRGINIA**

**MARCH 2009**

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### FIGURES

## **1.0 PROJECT DESCRIPTION**

The geotechnical investigation was performed for a proposed new facility for Tri-River Transit Authority to be located in Hamlin, West Virginia. The purpose of the investigation was to determine subsurface conditions and provide foundation recommendations for the proposed structure.

The site is located on a vacant lot adjacent to the Lincoln County 911 Center. The proposed construction area is gently sloping, grass covered, and partially wooded. Elevations in the building area range from approximately 706 ft. on the eastern end to 715 ft. on the western side. According to plans furnished by the client, the finish floor elevation will be 709 ft. As such, some fill will be required on the east side and some cut will be necessary on the west side to facilitate site development. It is our understanding the new building will consist of a single-story structure with a concrete slab-on-grade floor. The building will include a 4,500 square ft. office portion of masonry construction and a 9,500 square foot garage consisting of pre-engineered metal construction.

## **2.0 DRILLING AND SAMPLING PROCEDURES**

A total of seven (7) test borings were drilled to evaluate subsurface conditions at the site (Borings TB-1 through TB-7). Borings TB-1 through TB-5 were drilled within the footprint of the proposed structure, and Borings TB-6 and TB-7 were drilled in the area of proposed utility conduits to the southwest of the building. The borings were extended to depths ranging between 15.3 and 16.2 ft. below the ground surface. The boring locations were specified and staked by the client. A site plan showing the approximate boring locations is provided on the attached Boring Location Plan (Figure No. 1).

The test borings were advanced using a track-mounted rotary drilling rig equipped with 3-1/4 inch I.D. hollow stem augers. Standard penetration testing and sampling was performed at 2.5 ft. intervals from the ground surface to a depth of 10 ft. and at 5 ft. intervals thereafter to the boring termination depth. The standard penetration testing and sampling was performed in accordance with ASTM D-1586.

Standard penetration testing is performed by driving a 2.0 inch O.D. split-barrel sampler into the soil with a 140-lb. hammer dropping a distance of 30 inches. The sampler is driven a distance of 18 inches in three 6-inch increments, and the number of blows required to produce the last two 6-inch increments of penetration is termed the Standard Penetration Number or "N" value. These values provide an indication of the consistency or relative density of the soil.

A 1-3/8 inch diameter soil/rock sample was obtained from the borings in conjunction with each penetration test. All standard penetration samples were placed in air-tight glass jars. Upon completion of drilling, all samples were delivered to our laboratory where they were examined by a geotechnical engineer. Soil descriptions, standard penetration numbers, and other pertinent subsurface information are provided on the boring logs (Figure Nos. 2 through 8).

### **3.0 LABORATORY TESTING**

Laboratory tests were performed on selected split-spoon soil samples which were visually determined to be representative of the soil types encountered onsite. The laboratory tests performed for this project consisted of natural moisture content and Atterberg limits (liquid and plastic limits). The laboratory tests aid in classification of the soils and provide a basis for estimating their engineering properties. The results of the lab testing are presented on the boring logs and discussed in Section 4.1 of this report.

### **4.0 SUBSURFACE CONDITIONS**

Test boring logs providing detailed information at each boring location are located in the back of this report (Figure Nos. 2 through 8). A summary of the subsurface conditions encountered in the test borings follows:


#### **4.1 SOIL/BEDROCK CONDITIONS**

The topmost soil layer encountered at the site consisted of natural silty to sandy clay. Standard penetration N-values within the clay were between 5 and 17 blows per foot of penetration, indicating a medium stiff to very stiff cohesive soil condition. Atterberg limits testing of this clay stratum indicates the clay has moderate plasticity, with a liquid limit of 42 percent and a plasticity index of 14 percent. The clay extended to depths ranging between approximately 2.5 ft. and 5.0 ft. below the ground surface. The silty clay was underlain by residual silty clay. Standard penetration N-values within the residual clay were between 20 and 46 blows per foot of penetration, indicating a very stiff to hard cohesive soil condition. Laboratory testing indicates the clay has a relatively low plasticity, with a liquid limit of 37 percent and a plasticity index of 8 percent.

Bedrock was encountered in each of the borings at depths ranging from 2.5 ft. in Boring TB-6 to 15.0 ft. in Boring TB-2. Bedrock strata consisted of highly weathered, very soft to soft shale. All of the borings were terminated in the shale.

#### **4.2 GROUNDWATER CONDITIONS**

All of the borings were noted to be dry during drilling operations and shortly following boring completion. It should be noted that groundwater levels typically fluctuate and are generally dependent upon climatic conditions. Groundwater conditions during or after construction may differ from those observed during our investigation. All borings were backfilled with auger cuttings upon completion of the drilling.

		Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>					<b>BORING NO.</b>							
		Project Number: <b>W09020</b>					<b>TB-1</b>							
Elevation	Depth, feet	Sample Type	Symbol / USCS	Location: <b>See Figure 1</b> Offset:		Recovery %	RQD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				Surface El.: <b>713.5 ft.</b>										
				<input type="checkbox"/> Split Spoon <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Rock Core <input type="checkbox"/> Bag Sample										
<b>MATERIAL DESCRIPTION</b>														
				Brown <b>SANDY CLAY</b> with rock fragments, moist, stiff	2.5			2-5-5		20				
710	5			Brown and gray residual <b>SILTY CLAY</b> , moist, very stiff to hard				8-9-18		17				
								8-14-33		14				
705								7-19-21		16				
	10			Gray <b>SHALE</b> , highly weathered, very soft	10.0			27-31-39						
700	15							38-50/2"						
				Bottom of Test Boring @ 15.7 ft.	15.7									
695	20													
690	25													
685	30													






Completion Depth: **15.7 ft.**  
 Date Boring Started: **3/2/09**  
 Date Boring Completed: **3/2/09**  
 Engineer/Geologist: **CEM**  
 Driller: **NGE**

Remarks: **Boring was noted to be dry during drilling operations and at boring completion.**

Depth to Water @ 24 hrs.: **—**

WV DOT LOG W09020.G5J NGELOG.GSDT 3/13/09




		Project Name: <b>Tri-River Transit Authority Facility</b> Hamlin, West Virginia				<b>BORING NO.</b> <b>TB-2</b>								
Project Number: <b>W09020</b>		Location: <b>See Figure 1</b> Offset: _____ Surface El.: <b>715.3 ft.</b>				Recovery %	RQD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
Elevation	Depth, feet	Sample Type	Symbol / USCS	<b>MATERIAL DESCRIPTION</b>										
		 Split Spoon  Shelby Tube  Rock Core  Bag Sample												
715				Brown <b>SANDY CLAY</b> with rock fragments, moist, medium stiff to stiff			3-3-4		17					
							7-7-8		17					
710	5			Brown and gray residual <b>SILTY CLAY</b> , moist, very stiff	5.0		6-12-13		18					
				- gray shale (8.5 - 9.0 ft.)			10-28-50/5"		10					
705	10						12-13-13							
700	15			Gray <b>SHALE</b> , highly weathered, very soft	15.0		24-40-50/2"							
				Bottom of Test Boring @ 16.2 ft.	16.2									
695	20													
690	25													

WVDOT LOG W09020.GPJ NGELOG.GDT 3/13/09

Completion Depth: **16.2 ft.**  
 Date Boring Started: **3/2/09**  
 Date Boring Completed: **3/2/09**  
 Engineer/Geologist: **CEM**  
 Driller: **NGE**

Remarks: Boring was noted to be dry during drilling operations and at boring completion.


Depth to Water @ 24 hrs.: ---

		Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>				<b>BORING NO.</b> <b>TB-3</b>								
		Project Number: <b>W09020</b>												
Elevation	Depth, feet	Sample Type	Symbol / USCS	Location: <b>See Figure 1</b> Offset: Surface El.: <b>715.5 ft.</b>		Recovery %	ROD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				☒ Split Spoon    ☒ Shelby Tube ☐ Rock Core    ☐ Bag Sample	<b>MATERIAL DESCRIPTION</b>									
715		☒	☐	Brown <b>SANDY CLAY</b> with rock fragments, moist, medium stiff to very stiff				2-3-5		23				
	5	☒	☐					4-7-9		18				
710		☒	☐	Brown residual <b>SILTY CLAY</b> , moist, very stiff to hard				12-29-17		21				
	10	☒	☐					15-9-13		19		37	8	
705		☒	☐	Brown to gray <b>SHALE</b> , highly weathered, very soft				15-21-44						
700		☒	☐					27-50/4"						
	15			Bottom of Test Boring @ 15.8 ft.										
695	20													
690	25													
	30													

WVDOT LOG W09020.GPJ NGELOG.GDT 3/13/09

Completion Depth:	<b>15.8 ft.</b>
Date Boring Started:	<b>3/2/09</b>
Date Boring Completed:	<b>3/2/09</b>
Engineer/Geologist:	<b>CEM</b>
Driller:	<b>NGE</b>


Remarks: Boring was noted to be dry during drilling operations and at boring completion.  
  
 Depth to Water @ 24 hrs.: **---**

		Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>				<b>BORING NO.</b> <b>TB-4</b>								
		Project Number: <b>W09020</b>												
Elevation	Depth, feet	Sample Type	Symbol / USCS	Location: <b>See Figure 1</b> Offset: Surface El.: <b>706.5 ft.</b>		Recovery %	RCD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				MATERIAL DESCRIPTION										
705		X	Diagonal Hatching	Brown <b>SILTY CLAY</b> with few rock fragments, moist, medium stiff				1-2-3						
		X	Diagonal Hatching	Brown residual <b>SILTY CLAY</b> , moist, very stiff		3.0		6-8-12		17			42	14
700	5	X	Diagonal Hatching					8-11-12						
		X	Diagonal Hatching			8.6		13-17-32						
695	10	X	Wavy Hatching	Brown to gray <b>SHALE</b> , highly weathered, very soft				35-50/2"						
		X	Wavy Hatching			15.8		30-50/3"						
690	15	X	Wavy Hatching	Bottom of Test Boring @ 15.8 ft.										
	20													
685	25													
680														

W:\DOT\LOG W09020.GPJ NGE\LOGS\GDT\_343363

Completion Depth:	<b>15.8 ft.</b>
Date Boring Started:	<b>3/2/09</b>
Date Boring Completed:	<b>3/2/09</b>
Engineer/Geologist:	<b>CEM</b>
Driller:	<b>NGE</b>


Remarks: **Boring was noted to be dry during drilling operations and at boring completion.**  
  
 Depth to Water @ 24 hrs.: **--**

				Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>				<b>BORING NO.</b> <b>TB-5</b>					
Project Number: <b>W09020</b>				Location: <b>See Figure 1</b> Offset: Surface El.: <b>708.7 ft.</b>									
Elevation	Depth, feet	Sample Type	Symbol / USCS	MATERIAL DESCRIPTION	Recovery %	RQD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				Brown <b>SILTY CLAY</b> with few rock fragments, moist, medium stiff 3.0			2-2-3						
705	5			Brown residual <b>SILTY CLAY</b> , moist, very stiff to hard 11.0			3-8-12						
700	10						12-20-26						
							10-15-18						
695	15			Brown to gray <b>SHALE</b> , highly weathered, very soft 15.8			10-24-33						
				Bottom of Test Boring @ 15.8 ft.			28-50/4"						
690	20												
685	25												
680	30												

WVDDOT LOG W09020.GPJ NGE.ELOG.GDT 3/13/09

Completion Depth:	<b>15.8 ft.</b>
Date Boring Started:	<b>3/2/09</b>
Date Boring Completed:	<b>3/2/09</b>
Engineer/Geologist:	<b>CEM</b>
Driller:	<b>NGE</b>

Remarks: Boring was noted to be dry during drilling operations and at boring completion.  
  
 Depth to Water @ 24 hrs.: ---


		Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>					<b>BORING NO.</b>							
		Project Number: <b>W09020</b>					<b>TB-6</b>							
Elevation	Depth, feet	Sample Type	Symbol / USCS	Location: <b>See Figure 1</b> Offset:		Recovery %	RQD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				Surface El.: <b>718.5 ft.</b>										
<div style="display: flex; justify-content: space-around;"> <span>☒ Split Spoon</span> <span>☒ Shelby Tube</span> </div> <div style="display: flex; justify-content: space-around;"> <span>☐ Rock Core</span> <span>☐ Bag Sample</span> </div>														
<b>MATERIAL DESCRIPTION</b>														
				Brown <b>SANDY CLAY</b> with rock fragments, moist, stiff				3-3-6						
				Brown to gray <b>SHALE</b> , highly weathered, very soft to soft		2.5		16-22-32						
	5							25-50/8"						
								33-42-50/3"						
715								31-50/4"						
	10													
								50/4"						
710														
	15					15.3								
				Bottom of Test Boring @ 15.3 ft.										
705														
	20													
700														
	25													
695														
	30													
690														
	35													
	40													
	45													
	50													

WV DOT LOG: W09020.SPJ NGELOG.GDT 3/13/09

Completion Depth:	<b>15.3 ft.</b>
Date Boring Started:	<b>3/2/09</b>
Date Boring Completed:	<b>3/2/09</b>
Engineer/Geologist:	<b>CEM</b>
Driller:	<b>NGE</b>

Remarks: Boring was noted to be dry during drilling operations and at boring completion.

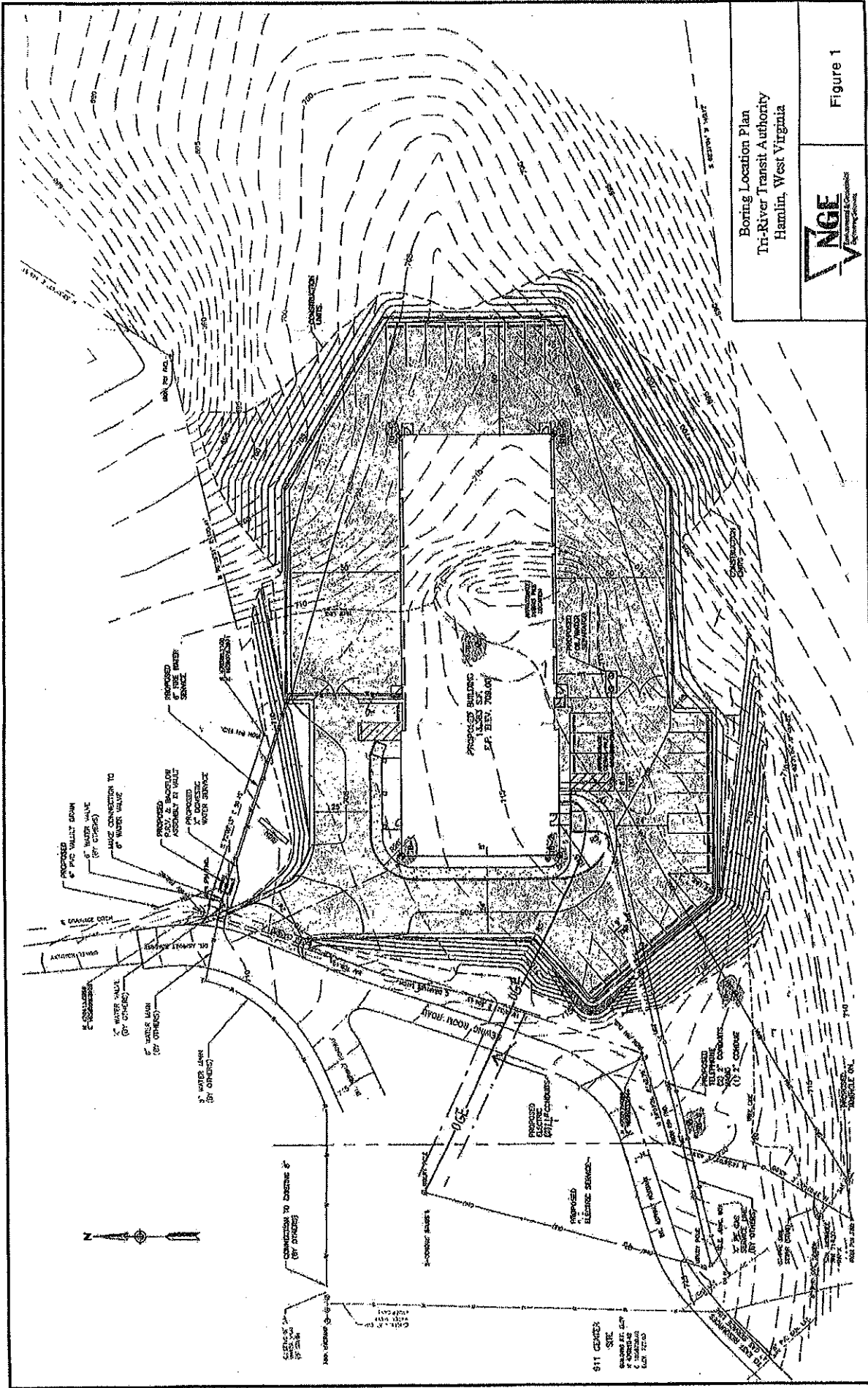
Depth to Water @ 24 hrs.: ---

				Project Name: <b>Tri-River Transit Authority Facility Hamlin, West Virginia</b>				<b>BORING NO.</b> <b>TB-7</b>					
Project Number: <b>W09020</b>				Location: <b>See Figure 1</b> Offset:				Surface El.: <b>720.0 ft.</b>					
Elevation	Depth, feet	Sample Type	Symbol / USCS	Recovery %		RQD	Penetration Blows / 6 inches	HCSI	Moisture %	Silt and Clay %	Sand %	Liquid Limit	Plasticity Index
				MATERIAL DESCRIPTION									
							2-3-4						
							5-7-10						
715	5						7-12-20						
							50/6"						
710	10						21-50/3"						
							50/4"						
705	15												
				Bottom of Test Boring @ 15.3 ft.									
700	20												
695	25												
690	30												

W:\DOT LOG W09020.GPJ NGE\LOGS.GDT 3/13/09

Completion Depth:	<b>15.3 ft.</b>
Date Boring Started:	<b>3/2/09</b>
Date Boring Completed:	<b>3/2/09</b>
Engineer/Geologist:	<b>CEM</b>
Driller:	<b>NGE</b>

Remarks: **Boring was noted to be dry during drilling operations and at boring completion.**  
  
 Depth to Water @ 24 hrs.: **--**



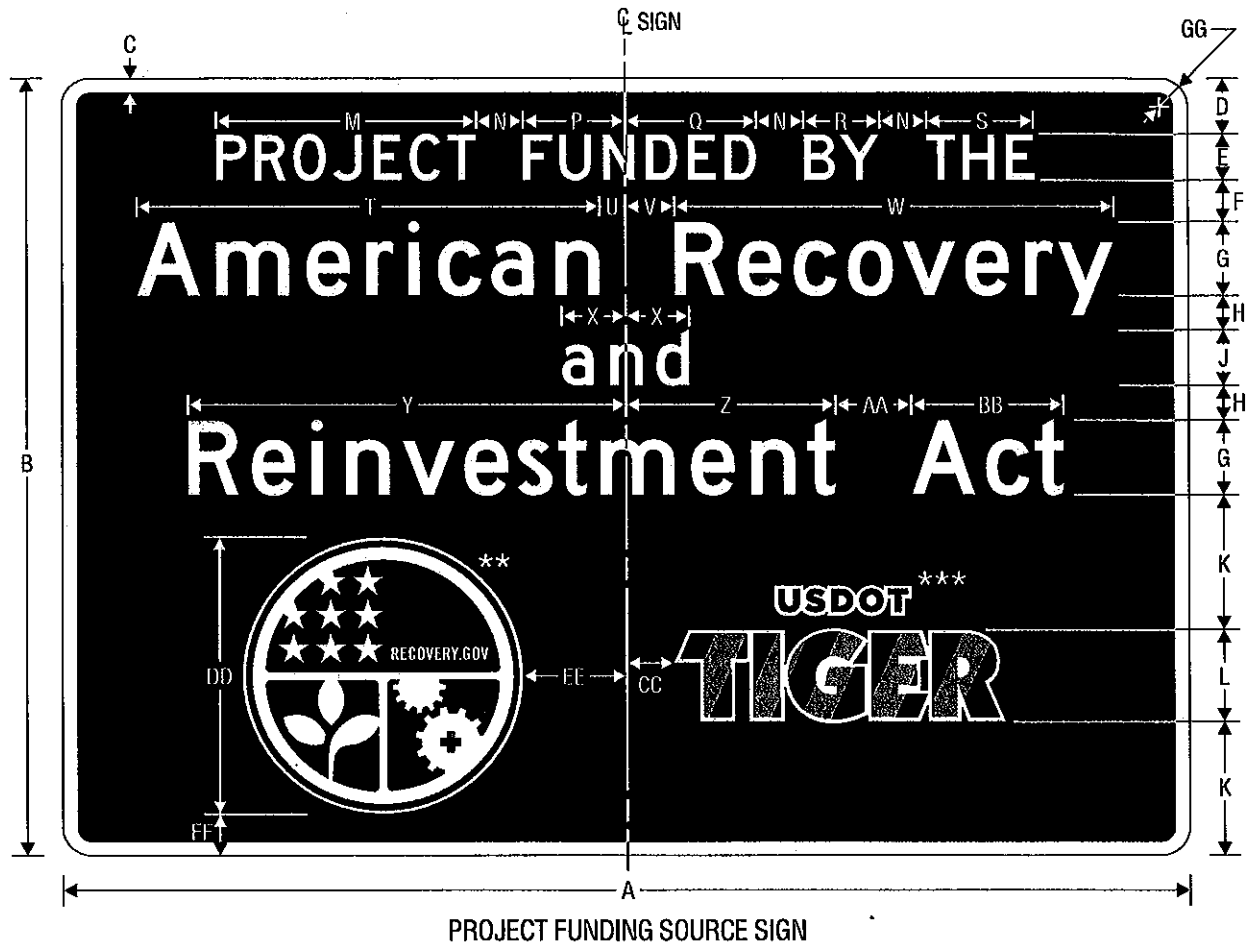
Boring Location Plan  
 Tri-River Transit Authority  
 Hamlin, West Virginia



Figure 1

611 CENTER  
 SITE  
 DRAWING NO. 107  
 4/20/2010  
 DATE

# PROJECT FUNDING SOURCE SIGN ASSEMBLY AMERICAN RECOVERY AND REINVESTMENT ACT SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE SIGN

NOTE: SIGN SHALL NOT BE INSTALLED WITHOUT PROJECT FUNDING SOURCE PLAQUE (SEE SHEET 3).

Dimensions in Inches

A	B	C	D	E	F	G	H	J	K	L	M	N	P
120	84	1.5	6	5 D	4.5	8 D*	3.75	6 D* (45 LC)	14.5	10	27.917	5	10.831
84	60	1	5	4 C	3.5	6 C*	3	4 D* (3 LC)	9.25	7	19.047	4	7.362

Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD
14.087	8.106	11.556	49.42	2.742	5.258	46.904	6.812	46.76	22.472	8	16.288	5	30
9.484	5.162	7.763	31.722	2.415	3.585	30.552	4.542	30.911	14.737	6	10.175	4	21

EE	FF	GG
11	4.5	3
7.5	2.25	2.25

- \* Increase character spacing 50%
- \*\* See Pictograph page 4
- \*\*\* See Pictograph page 5

COLORS: LEGEND, BORDER — WHITE (RETROREFLECTIVE)  
BACKGROUND — GREEN (RETROREFLECTIVE)



# PROJECT FUNDING SOURCE SIGN ASSEMBLY AMERICAN RECOVERY AND REINVESTMENT ACT SIGN LAYOUT DETAILS



RECOVERY  
Vector-Based, Vinyl-Ready Pictograph

- |                          |                           |
|--------------------------|---------------------------|
| COLORS: LEGEND, OUTLINE  | — WHITE (RETROREFLECTIVE) |
| BORDER                   | — BLUE (RETROREFLECTIVE)  |
| BACKGROUND (UPPER)       | — BLUE (RETROREFLECTIVE)  |
| BACKGROUND (LOWER RIGHT) | — RED (RETROREFLECTIVE)   |
| BACKGROUND (LOWER LEFT)  | — GREEN (RETROREFLECTIVE) |

**PROJECT FUNDING SOURCE SIGN ASSEMBLY  
AMERICAN RECOVERY AND REINVESTMENT ACT  
SIGN LAYOUT DETAILS**



USDOT TIGER  
Vector-Based, Vinyl-Ready Pictograph

- COLORS: OUTLINE — WHITE (RETROREFLECTIVE)  
USDOT LEGEND — BLACK  
TIGER DIAGONALS — BLACK,  
ORANGE (RETROREFLECTIVE)

SIGN IN SHEET

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Request for Proposal No. PTR09035

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TELEPHONE & FAX NUMBERS

FIRM & REPRESENTATIVE NAME MAILING ADDRESS

Company: <u>Flint Construction Co., Inc.</u>	<u>PO Box 146</u>	PHONE <u>(304) 364-5555</u>
Rep: <u>Richard Hacker</u>	<u>Gassaway, WV 26624</u>	TOLL FREE
Email Address: <u>richard@flintconstructionco.com</u>		FAX <u>(304) 364-5556</u>
Company: <u>DCM INC</u>	<u>P.O. Box 473</u>	PHONE <u>304-768-4580</u>
Rep: <u>Mike Hodges</u>	<u>DUNBAR, WV. 25044</u>	TOLL FREE
Email Address: <u>DOMINC@earthlink.net</u>		FAX <u>304-768-4013</u>
Company: <u>GORMAE LLC</u>	<u>Rt 1 Box 2</u>	PHONE <u>304 5439507</u>
Rep: <u>Estimator</u>	<u>Ravenwoods WV</u>	TOLL FREE
Email Address: _____		FAX _____
Company: <u>ELCO MECHANICAL</u>	<u>P O Box 349</u>	PHONE <u>304-346-0596</u>
Rep: <u>SCOTT GRIGSBY</u>	<u>CHARLESTON WV 25311</u>	TOLL FREE <u>30</u>
Email Address: <u>SCOTTGRIGSBY@SUDDENLINKMAIL.COM</u>		FAX <u>304-346-0598</u>
Company: <u>JARRETT Construction Services</u>	<u>P.O. Box 5050</u>	PHONE <u>304-344-9140</u>
Rep: <u>CHAD JUSTICE</u>	<u>Charleston, WV 25301</u>	TOLL FREE
Email Address: <u>CHAD.JUSTICE@JARRETT-CONSTRUCTION.COM</u>		FAX <u>304-344-9143</u>

Date: May 19, 2009

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Rep:	Justin Blankenship	Hamlin, WV 25523	TOLL FREE
Email Address:	justin@jstechnology.com	(We are a technology services company - many other data)	FAX 304-721-2971
Company:	Oval Construction	P.O. Box 401	PHONE 304-347-8820
Rep:	Kent Williams	Charleston, WV 25322	TOLL FREE
Email Address:	kbernard@ovalconstruction.com		FAX 304-347-8821
Company:	PARAMOUNT BUILDERS		PHONE 304-727-2770
Rep:	MICHAEL J LUCAS		TOLL FREE
Email Address:	C.SNAW@PARAMOUNTWV.COM		FAX 304-722-4230
Company:	Danhill Construction Co.	P.O. Box 685	PHONE 304-632-1600
Rep:	Dan Hill	Gaulsey Beidge, W.Va	TOLL FREE
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Rep:	Gary McCallister	Charleston WV 25302	TOLL FREE
Email Address:	ggmcarpwr@aol.com		FAX 304-342-4322

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Email Address: <u>S.Winters@foxengineering.net</u>		FAX <u>304-372-4100</u>
Company: <u>IMPROVEMENTS UNLIMITED</u>		PHONE <u>304-487-1266</u>
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Email Address: <u>stevendorman@frontier.net</u>		FAX <u>304-487-2176</u>
Company: <u>BIG BUILDERS</u>	<u>500 CORPORATE CENTER DR SUITE 556</u>	PHONE <u>304-757-9196</u>
Rep: <u>BLAKE STEVENS</u>	<u>SCOTT DEPT. WV 25560</u>	TOLL FREE
Email Address: <u>blstevens@gandybuilders.com</u>		FAX <u>304-757-0793</u>

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Rep: Martin Davis	Barbourville WV 25504	TOLL FREE -
Email Address: M.Davis@Coederbuilders.com		FAX 304-733-4040
Company: Fox		PHONE (304) 532-4909
Rep: John Fox	Ripley WV	TOLL FREE
Email Address: JFox@foxengineering.net		FAX
Company: AGSTEAL CONSTRUCTION CO. INC.	110 WYOMING STREET	PHONE 304-343-6100
Rep: NATHAN SAYRE	CHARLESTON WV 25303	TOLL FREE
Email Address: nsayre@agstconstruction.com		FAX 304-343-0063
Company: JM STEWART ASSOCIATES	75 CHASE DR.	PHONE 304-760-6020
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Email Address: MTURLEY@STEWARTSHOMES.COM		FAX 304-760-6019
Company: Williamson Contracting Co. Inc	Rt 2 Box 91	PHONE 304-778-7014
Rep: Royal Finley / Andrew Williamson	Branchland WV 25506	TOLL FREE
Email Address: Boyd-Reece@Hughes.Net		FAX 304-778-3577

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Company: <u>GRUE-COW CONSTRUCTION</u>	<u>101 INDUSTRY ROAD</u>	<u>740-373-0849</u>	
Rep: <u>Edgar Dodds</u>	<u>MARIETTA OHIO</u>		
Email Address: <u>edodds@gruecon.com</u>	<u>45750</u>		<u>740-373-0863</u>
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Email Address: <u>Daryl@rbswv.com</u>	<u>Nutro WV 25143</u>		<u>304-755-3032</u>
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Susan O'Connell WVPPT 304-558-0428  
 Cindy Fish WVPPT 304-558-0428  
 Todd Dorcas WVPPT 304-558-0428

Jennifer Woodell Ten River 304-824-2  
 Paula Smith Ten River 304-824-2