

Proposed Revisions IDOT Testing

- IDOT to Contract with Professional Engineer to provide initial testing of site using .
 1. Use PID to screen for soil that automatically fails CCDD and provide TCLP Test for Landfill for soil failing PID scan.
 2. TCLP Testing of representative **composite** soil samples in areas passing PID scan.
 3. PNA and other testing (determined by site history) of samples passing TCLP test
- Initial IDOT testing will delineate approximate areas that are hazardous waste, waste, or soil possibly suitable for disposal at CCDD site.

Proposed IDOT Program for CCDD

- For Soil not suitable for CCDD or clean fill site.
 - Contractor will be responsible for specific delineation of areas required for soil going to Landfill or Hazardous disposal site.
 - IDOT to provide only initial TCLP data. Additional testing required by disposal site is responsibility of contractor.
- For Soil suitable for CCDD or clean fill site
 - IDOT to provide IEPA 662 and 663
 - Contractor will be responsible for any additional testing required to meet the specific disposal site criteria.
 - Contractor Responsible to pay for all additional sampling required by disposal site selected
- Contractor to submit testing/disposal plan to IDOT for review.

Complex IDOT Road Section

Approximately 0.3 mi - 2,500 Cubic yards



Historical / EDR Review



Determine Areas for 662



Soil Boring/Sampling Determination



PID Test for Each Boring

Boring 1 Pass - Test Samples

Boring 2 **Fail** - **Provide TCLP test for Landfill**

Boring 3 Pass - Test Samples

Boring 4 Pass - Test Samples

Boring 5 Pass - Test Samples

Boring 7 **Fail** - **Test for Possible Hazardous**

Boring 8 Pass - Test Samples

Waste Section Determination



Groundwater Test - TCLP

Boring 1	Composite over depth	Metals	Fail - No further test
Boring 3	Composite over depth	Metals	Pass
Boring 4 Boring 5	Composite over 4,5 & depth	Metals	Pass
Boring 6 Boring 7	Composite over 6,7 & depth	Metals	Pass

Waste Section Determination



Totals Test

Boring 3	Grab	PNA, BTEX, MTBE	Pass
Boring 4	Composite	PNA	Pass
Boring 5	(over 4, 5 & depth)		
Boring 6	Composite	PNA	Pass
Boring 7	(over 6, 7 & depth)		
Boring 8	Grab Sample (to determine if Hazardous)	VOC	Fail for PERC

Waste Section Determination



Typical IDOT Testing Budget

Soil Boring and Traffic Control - 4 hrs.	- \$2,000
Laboratory Costs	- \$1,500
Report Preparation and 662, 663	- <u>\$2,000</u>
TOTAL	- \$5,500

IDOT Bid Line Items

LINE ITEM	QUANTITY	RATE	
TOTAL			
CCDD Disposal	2,150 yd ³	Part of Project Unit Cost	
Waste Soil Disposal	200 yd ³	@ \$ ___ yd ³	\$ ___
Hazardous Soil Disposal	150 yd ³	@ \$ ___ yd ³	\$ ___
TOTAL	2,500 yd ³		

Contractor Responsibility

- **CCDD Disposal**
 - Contractor responsible for any additional test required by disposal facility chosen by Contractor
- **Waste Area Boring 1&2**
 - Contractor responsible for delineating boundary of area and any additional test required by disposal facility chosen by Contractor.
- **Hazardous Waste Area Boring 8**
 - Contractor responsible for delineating boundary per IDOT Specifications and responsible for any additional test required by disposal facility chosen by Contractor.