# HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CORROSION CONTROL TEST STATION FIELD DATA SURVEY FORM

Cap Proj No: W – 8156

Contract #: 44-3231

Location: 5' S of MD 108/32 bridge

T/S Type: IJ

T/S Number:

Date Surveyed: 7/14/95

Surveyed by: TJG/MBS

Pipe Type: DIP/Steel

Pipe Size: 12"

ADC Map #: HC/14/F7

T/S Number : ADC Map # : HC/14/E7
Block Number : Tax Map Number :

#### **TEST STATION CONDITION**

**Test Box**: Not installed as of 7/14/95 **Terminal Board**: Not installed as of 7/14/95

Wires: Good

Other: Concrete Pad: Not installed as of 7/14/95

#### **SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CU "On"	SO4 (volts) "Off"	P/Perm. Cu- "On"	CuSO4 (volts) "Off"	I anode (mA)
1-#10AWG	GREEN		806		706	
2-#10AWG	GREEN		806		706	
3-#10AWG	BLACK		-1.418		-1.262	
4-#10AWG	BLACK		-1.417		-1.262	
5-#12AWG	BLACK		807		707	
6-#14AWG	BLACK		043			

P/Cu-CUSO4 (volts) = Pipe to Copper-Copper Sulphate Reference Cell

P/Perm. Cu-CuSO4 = Pipe to Permanent Copper-Copper Sulphate Reference Cell

"ON" = Reading with Anode(s) Connected "OFF" = Reading with Anode(s) Disconnected

I anode = Current Output of Anodes

### **IRDrop Calibration**

K = <u>Delta 1 (A) = =</u> Delta E (mv)

Direction:

## **REPAIRS MADE**

Test Box:
Wires:
Board:
Other:

Comments: Resistances: 1-2 R = 0.3 ohm; 3-4 R = 0.3 ohm; 1 - 3, 2 - 4 R = 875 ohm

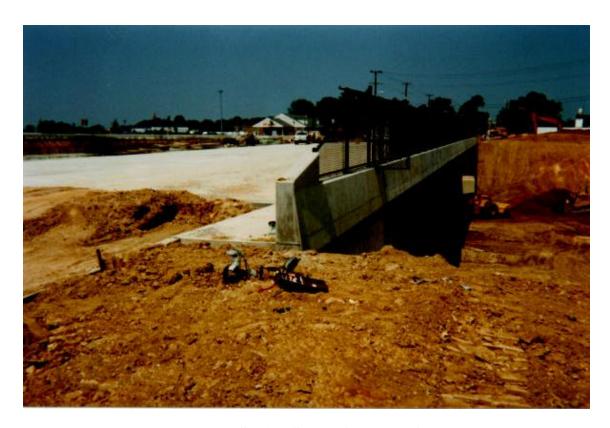


Photo 17. Test Station South of MD 108 Overpass



Photo 18. Test Station South of MD 108 Overpass - Test Wires