

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

**Location:** (00+21) **Date Surveyed:** 8/15/02  
Rt. 40 @ Patapsco Bridge **Surveyed by:** DD/MJ  
**T/S #:** TS#2 **Contract #:** L6154  
**T/S Type:** IJ **Pipe Size:** 24"

**Was Test Station located? YES/NO** Yes  
**If NO, then how much time was spent locating?** \_\_\_\_\_

**TEST STATION CONDITION**

**Test Box :** Good  
**Terminal Board :** Good  
**Wires :** Good  
**Other :** \_\_\_\_\_

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10 AWG	Red	-1.456	-1.623	-1.431	-1.570	77
2) #10 AWG	Red	-0.582	-0.597	-0.536	-0.540	
3) #10 AWG	Green	-1.486	-1.067	-1.433	-0.985	
4) #8 AWG	Black	-54.1	-63.8			
5) #10 AWG	Black	-0.869	-0.879	-0.824	-0.820	
6) #10 AWG	Green	-1.476	-1.061	-0.430	-0.390	
7) #10 AWG	Black	-0.870	-0.879	-0.823	-0.820	

P/Cu-CuSO<sub>4</sub> = Pipe to Copper - Copper Sulfate Reference Cell  
P/Zn = Pipe to Zinc Permanent Reference Cell  
"On" = Reading with Anode(s) connected  
"Off" = Reading with Anode(s) disconnected  
I Anode = Current output of anodes

IR Drop Calibrations	I (Amps)	E (mV)
Initial		
Final		
Delta		

K =          ? I (mA)  
         ? E (mV)  
Direction; \_\_\_\_\_

Between Terminals	Resistance (Ohms)

**REPAIRS MADE**

**Test Box:** \_\_\_\_\_  
**Terminal Board:** \_\_\_\_\_  
**Wires:** \_\_\_\_\_  
**Other:** \_\_\_\_\_  
**Additional Comments/Recommendations:** \_\_\_\_\_



**Figure 80 - Test station #2, close-up**