

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

Location: 01+13 Date Surveyed: 05/29/2007  
 Hammond Parkway Surveyed by: AS/MJ  
 T/S #: 10 Contract #: 44-3868  
 T/S Type: ST w/Anode Pipe Size: 16"  
 Was the T/S located? YES / NO YES

**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. #6AWG	Black	-1.410	-1.380	-1.330	-1.454	5.5
2. #10 AWG	Black	-1.175	-1.206	-1.250	-1.250	
3.						
4. #10 AWG	Black	-1.194	-1.201	-1.251	-1.251	
5. #10 AWG	Black	-0.030	-0.033			
6.						
7.						
8.						

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

**TESTING THE EFFECTIVENESS OF INSULATING JOINTS**

Groundbed: _____			
Connected to (B/W): _____			
	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

**TESTING IR DROP**

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					
			Direction:		

**REPAIRS MADE**

Test Box:	_____
Terminal Board:	_____
Wires:	_____
Other:	_____
Comments/Recommendations:	_____



Figure 92 – Location of Test Station 10 - Hammond Parkway



Figure 93 – Test Station 10 close up