

Cathodic System Evaluation

Date:
 Name:
 Bridge Number: Dir:
 Route: County:
 Location:
 Rectifier Serial:
 Rectifier Brand Name:
 Air Temperature:
 Deck Condition: Date Let:
 Type Anode:

Zone #	Section A						Section B		
	Rectifier Settings			Ref. Cell and Probe			Depolarization Readings		
	Input Voltage	Input Current	Input Current Density	On Potential (millivolt)	Instant Off Potential	Rebar Probe	4 Hr. Off Potential (millivolt)	Shift in Potential (millivolts)	Revised Current (amps)
1									
2		2.5	1.67	-450	-410		-285	-125	
3									
4									
5		1.6	1.07	-520	-490		-380	-110	
6		1.7	1.36	-180	-140		-50	-90	
7		1.7	1.36	-390	-372		-340	-32	
8									
9		1.8	1.44	-400	-385		-285	-100	
10		1.4	1.12	-315	-285		-190	-95	

Cathodic System (Mark Yes or No)

Broken Lead:
 Exposed Lead:
 Corroded Lead:
 Meters Not Functioning:
 Fuses Blown:
 Corroded Circuit Board:
 Lightening Arrestors Blown:
 Power Off:
 Lost ID Tags:
 Are all zones on constant:

Zone Loc:

Comment:

-----> If not, list zones on constant voltage

Meter Type

External Meter:
 Built In Meter:

Comments:

Zone #	Section C							
	Original Settings				Fixed Design Parameters			
	Original On Potential	Original Input Current	Zone Size (Sq. Ft.)	Input Current Density (ma/sf)	Current Parameters		Potential Parameters	
				Lower	Upper	Lower	Upper	
1	-550	2.25	1500	1.50	0.75	3.00	-330	-770
2	-450	3.00	1500	2.00	0.75	3.00	-270	-630
3	-605	2.30	1500	1.53	0.75	3.00	-363	-847
4	-511	1.80	1500	1.20	0.75	3.00	-307	-715
5	-520	1.40	1500	0.93	0.75	3.00	-312	-728
6	-180	2.25	1250	1.80	0.63	2.50	-108	-252
7	-390	0.50	1250	0.40	0.63	2.50	-234	-546
8	-322	2.00	1250	1.60	0.63	2.50	-193	-451
9	-400	1.70	1250	1.36	0.63	2.50	-240	-560
10	-315	2.40	1250	1.92	0.63	2.50	-247	-575