

## Reporting Requirements for FY 2010 Operating Appropriation Act

In accordance with Act No. 116, Public Acts of 2009, Section 602, the department is required to report on the use of corrugated pipe for road construction drainage and the mandrel testing results. The attached document identifies the job number for which the corrugated pipe was used and the test results.

### MICHIGAN DEPARTMENT OF TRANSPORTATION

#### Corrugated Polyethylene Pipe (CPE) Quantities and Mandrel Test Results

FY 2010

CS-JN	Pipe Size (in.)	Installed Length (ft.)	Tested Length (ft.)	% Length Tested	% Passed	% Failed	Comments
36022-84204A	12	1394	809	58	83	17	Note 5
	15	132	100	76	0	100	Note 4
	18	434	355	82	0	100	Note 3
	24	461	273	59	100	0	
	36	1017	711	70	100	0	
19022-45639A	15	551					Note 1
33043-100539A	12	200					Note 1
33084-81736A	12	11992	6140	51	100	0	
76011-100283A	12	65					Note 1
25132-44785A	24	906	906	100	95	5	Note 2
26011-100139A	15	928.5	100	100	100	0	
55011-84193A	12	475	248	52	100	0	
	15	498	387	78	100	0	
	18	260	202	78	100	0	
	24	63	34	54	100	0	
	36	704	301	43	100	0	Note 6
41027-51883A	12	603	334	55	100	0	
	15	9	9	100	100	0	
41029-46274A	12	1704	1160	68	100	0	
	15	190	190	100	100	0	
	18	125.5	125.5	100	100	0	

**Comments:** MDOT specifications require that at least 50% of the installed length of each size of CPE be mandrel tested.

**Note 1:** Not mandrel tested to date.

**Note 2:** Two runs had sections (16 feet and 30 feet in length) which failed. Corrective action included removal and replacement in kind.

**Note 3:** Three runs failed. Corrective action included removal and replacement of 267 feet of CPE pipe and removal of 88 feet of CPE pipe replaced with Reinforced Concrete Pipe (RCP).

**Note 4:** Entire run removed and replaced in kind.

**Note 5:** Three runs failed. Corrective action included removal and reuse of 78 feet of CPE and removal of 61 feet of CPE replaced with RCP.

**Note 6:** Additional mandrel testing to be done next year to meet 50% requirement.