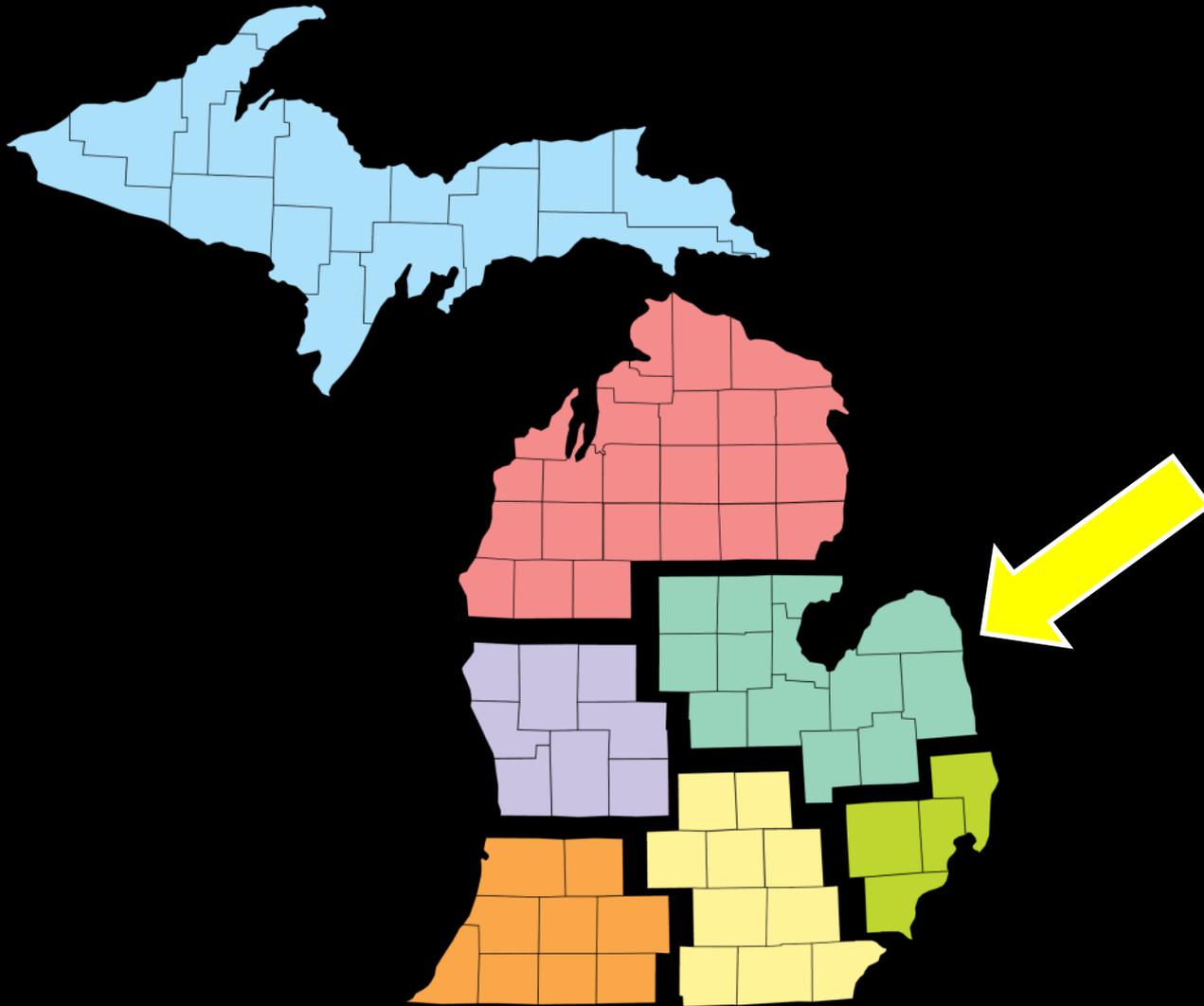


Michigan's Deteriorating Roads and Bridges

November 2014



Bay Region



**I-475 in City of Flint & Mt. Morris Township
Concrete pavement joint failure due to water freezing in joints & years of aging.**



**I-475 in City of Flint & Mt. Morris Township
Concrete pavement joint failure due to water freezing in joints & years of aging.**



I-69 in City of Flint
Concrete joint failures due to water seeping through pavement & eroding under causing a fault.



**I-475 over Atherton Road , Genesee County
Concrete beam ends are deteriorated caused by years of service & water leaking
through joints from above on deck.**



**I-475 over Atherton Road, Genesee County
Structural failure due to pavement expanding & pushing against beam
fracturing the bridge abutment support.**



I-69 over Center Road , Genesee County

Rusting bearing pads where the beams sit due to years of exposure to water & salting.



**I-69 over Center Road , Genesee County
Structural failure due to years of exposure to water & salt.**



I-69 over Dort Highway, Genesee County

This bridge has temporary supports of the beams so they do not fail. This is due to structural failure & aging.



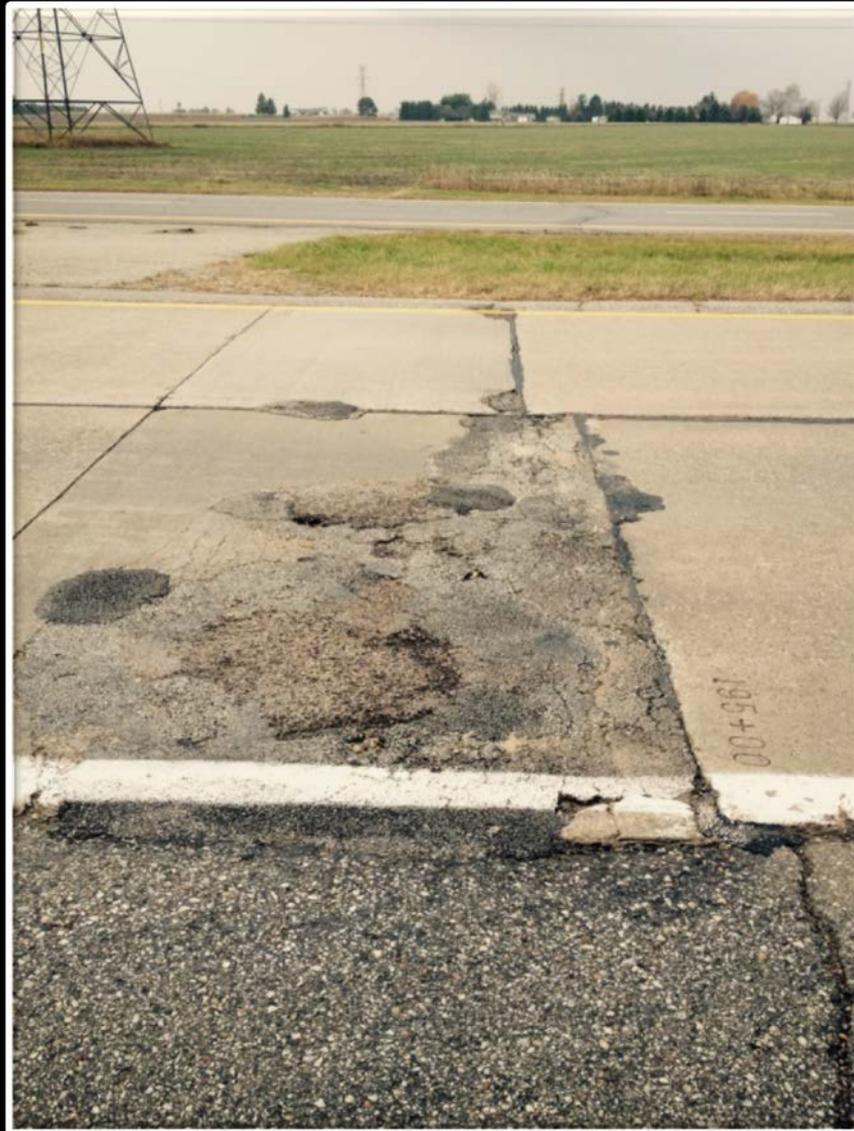
**I-69 over Dort Highway, Genesee County
Structural failure due to years of exposure to water & salt.**



M-13, Saginaw County
Failed pavement due to lack of drainage, failed asphalt surface due to age & underlying concrete failed.



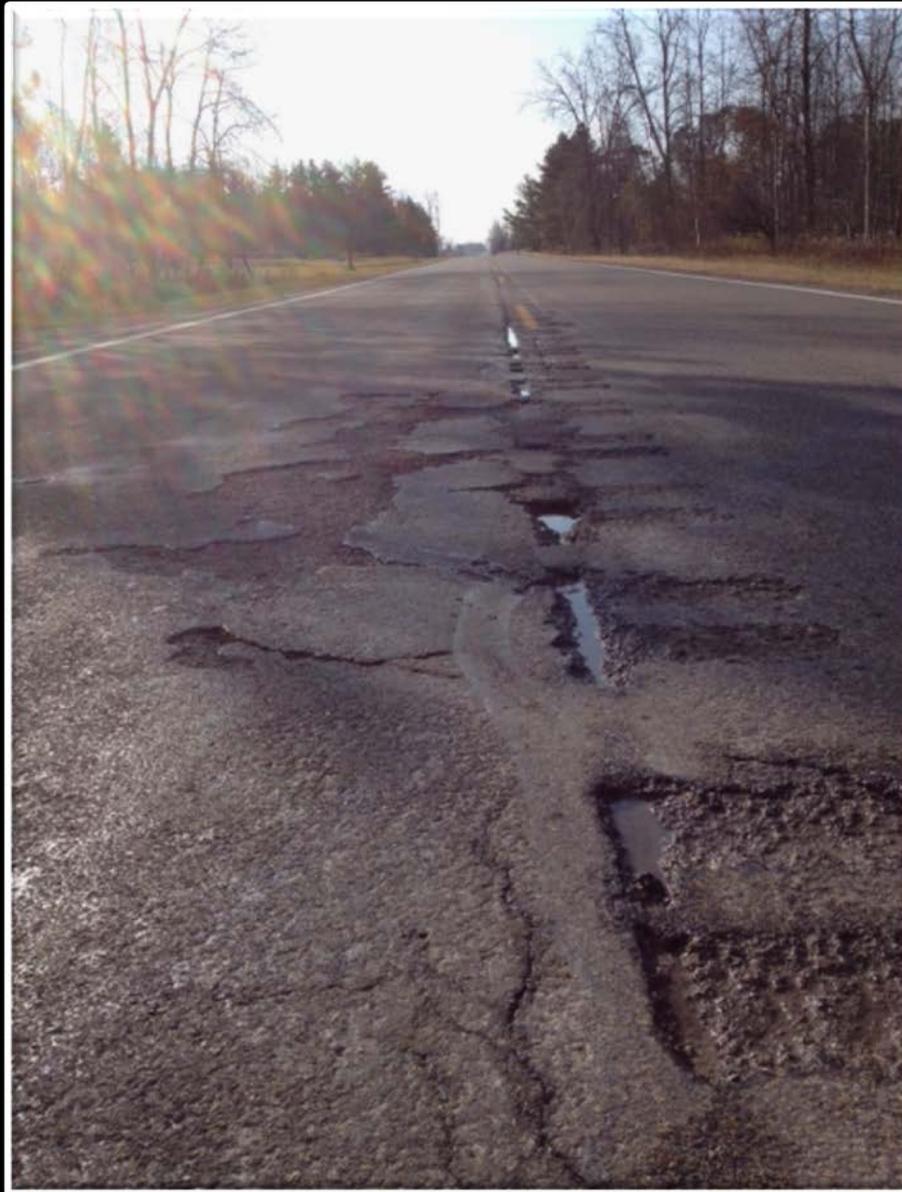
**M-15 from M-138 to Bay City South City Limit, Bay County
Base failure due to aging, surface cracking & breaking.**



**M-15 from M-138 to Bay City South City Limit, Bay County
Base failure due to aging, concrete repair patch failed.**



M-19 in Sanilac County
Base failure due to aging, joint failures, underlying concrete failed.



**M-19 in Sanilac County
Base failure due to aging, joint failures & drainage issues.**



**M-24, South of Caro, Tuscola County
Failed concrete pavement.**



**M-46 from the Cass River to M-24, Tuscola County
Concrete pavement failure & cold patching due to aging concrete patches.**



**M-46 from Hemlock to M-52, Saginaw County
Major drainage failures on shoulders & mainline due to water & salt causing
breaking up of asphalt pavement over broken concrete base.**



**M-53 near M-90, Lapeer County
Center line joint failures due to water & salt causing breaking up of asphalt
pavement seeping into concrete base.**



**M-46 in Port Sanilac, Sanilac County
Concrete surfacing failures, base failures, & water not draining off the roadway.**

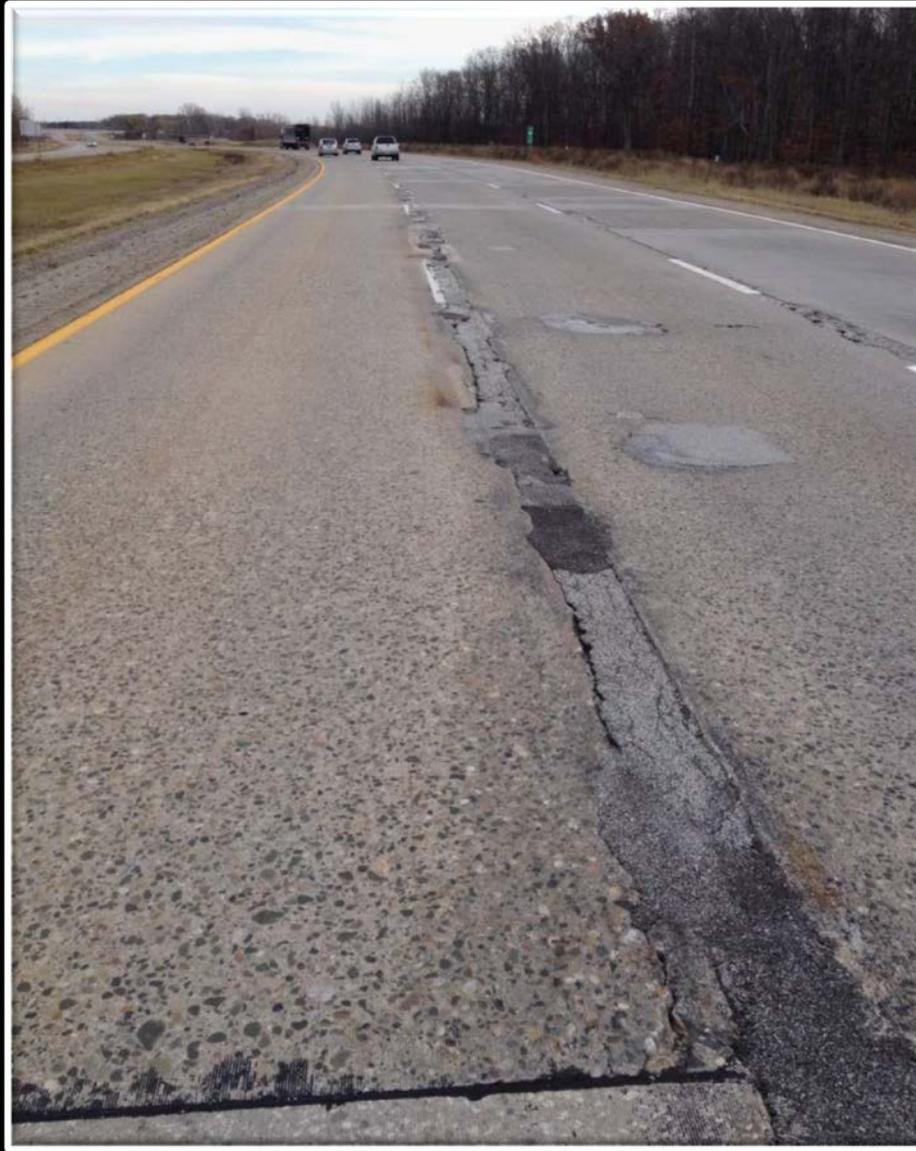


**Mackinaw Road over US-10, Bay County
Shear cracking in beams due to expansion & years of service life.**



US-10 near Clarabella Road, Isabella County

Concrete joint failure & pavement fracturing due to years of aging & heavy loads.



US-127 South of M-46, Gratiot County
Failure of centerline joints, water seeping in pavement & excessive cracking due to years of aging.



US-23 in Genesee County
Concrete pavement cracking & failure due to years of aging & heavy traffic.



**US-23 in Genesee County
Pavement failures due to cracking, water seeping into base, resulting in
potholes.**



US-23 in Genesee County
Shoulder failure due to lack of edge support & water not draining.



US-23 over Whitney Drain, Arenac County
Failing surface on bridge deck due to surface deterioration & water seepage.