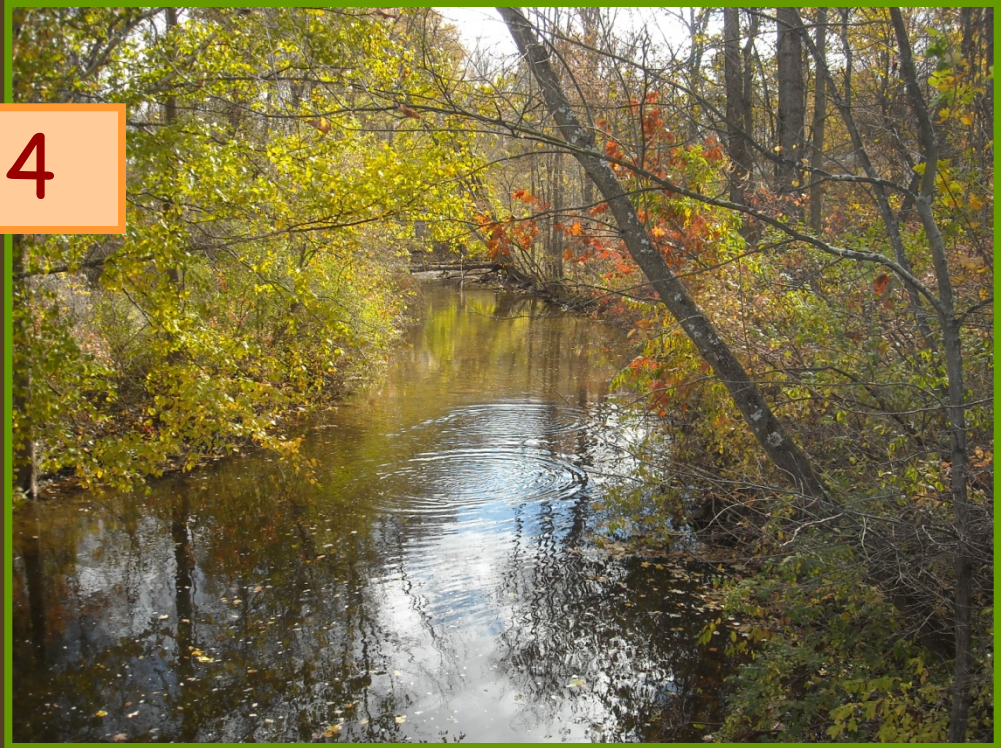


MDEQ Update County Engineers Workshop

February 13, 2014



Jerry Fulcher
Jeff Silagy

Transportation and Flood Hazard Unit

Preliminary Reviews



We need to see the site, no matter how we get there.



Preliminary Reviews

Meet with us ahead of time

- ❑ Sent us info ahead of time- topo, plans
- ❑ Request flood flows
- ❑ Include all sites for coming year
- ❑ And finished projects



Preliminary Reviews

Links: Guidelines Booklet

Permit Guidelines for Public Transportation Agencies

Flood Flows

www.mi.gov/deqtransportationreview

Links - Request a Flood or Low Flow Discharge



Wetlands - Act 98

Changes to road footprint in wetlands requires a permit



Wetlands - Act 98

(k) Maintenance of public streets, highways, or roads that meets all of the following requirements:

(i) Does not include any modification that changes the original location or footprint.

(ii) Is done in a manner that minimizes any adverse effect on the wetland.



Wetlands - Act 98

FIGURE 1 - TYPICAL DITCH SECTION
NO SCALE

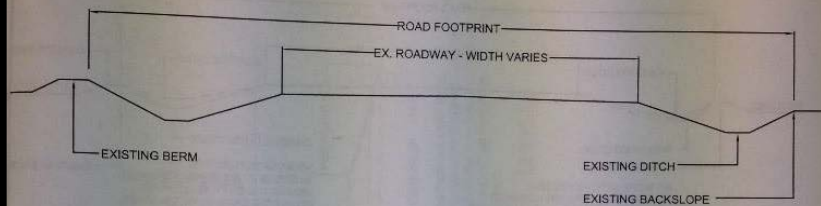
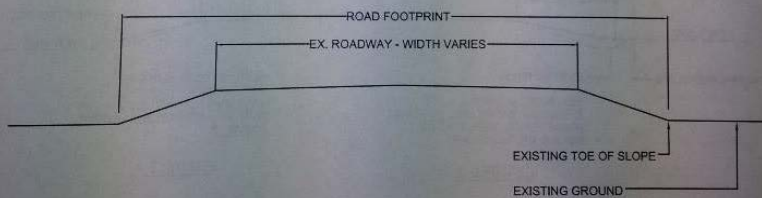
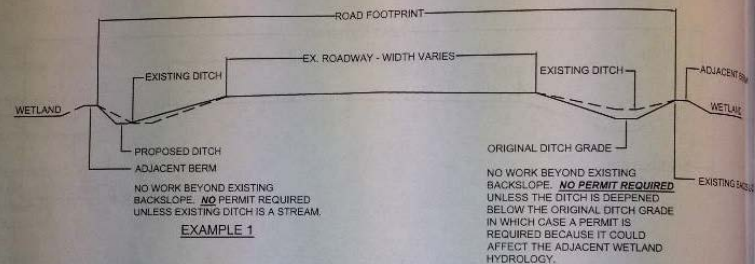


FIGURE 2 - TYPICAL FILL SECTION
NO SCALE



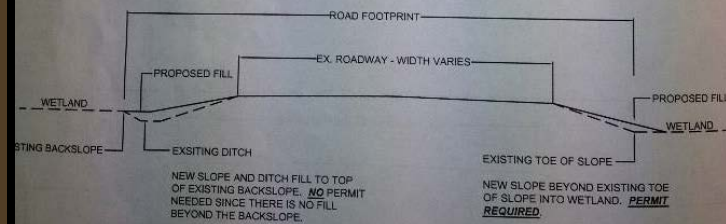
EXAMPLE 1 & 2 - DITCH MAINTENANCE
NO SCALE



EXAMPLE 1

EXAMPLE 2

EXAMPLE 3 & 4 - DITCH MAINTENANCE
NO SCALE



EXAMPLE 3

EXAMPLE 4

* ADJACENT BERMS MAY BE MAINTAINED WITHOUT A PERMIT TO ORIGINAL DESIGNED/CONSTRUCTED CONDITIONS IF THEY WERE IN EXISTENCE BEFORE OCTOBER 1, 1980 OR CONSTRUCTED PURSUANT TO PART 303.

Mitigation Requirements

- < 0.1 acres- no mitigation required.
- 0.1 to 0.33 acres- mitigation required at a 1 to 1 ratio, any kind any where.
- ≥ 0.33 acres and over 1 acre per project, standard ratios apply.

Mitigation

Find a site now !



Mitigation

Don't let this delay a big project

- ❑ Old pit
- ❑ Existing wetland owned property
- ❑ Common site with other CRC's



Waterfront Road Ends

Manage your road ends



Waterfront Road Ends

- ❑ Inventory
- ❑ Rate them
- ❑ Annual maintenance
- ❑ Document
- ❑ RSX's too



Threatened and Endangered Species

We can help



Threatened and Endangered Species

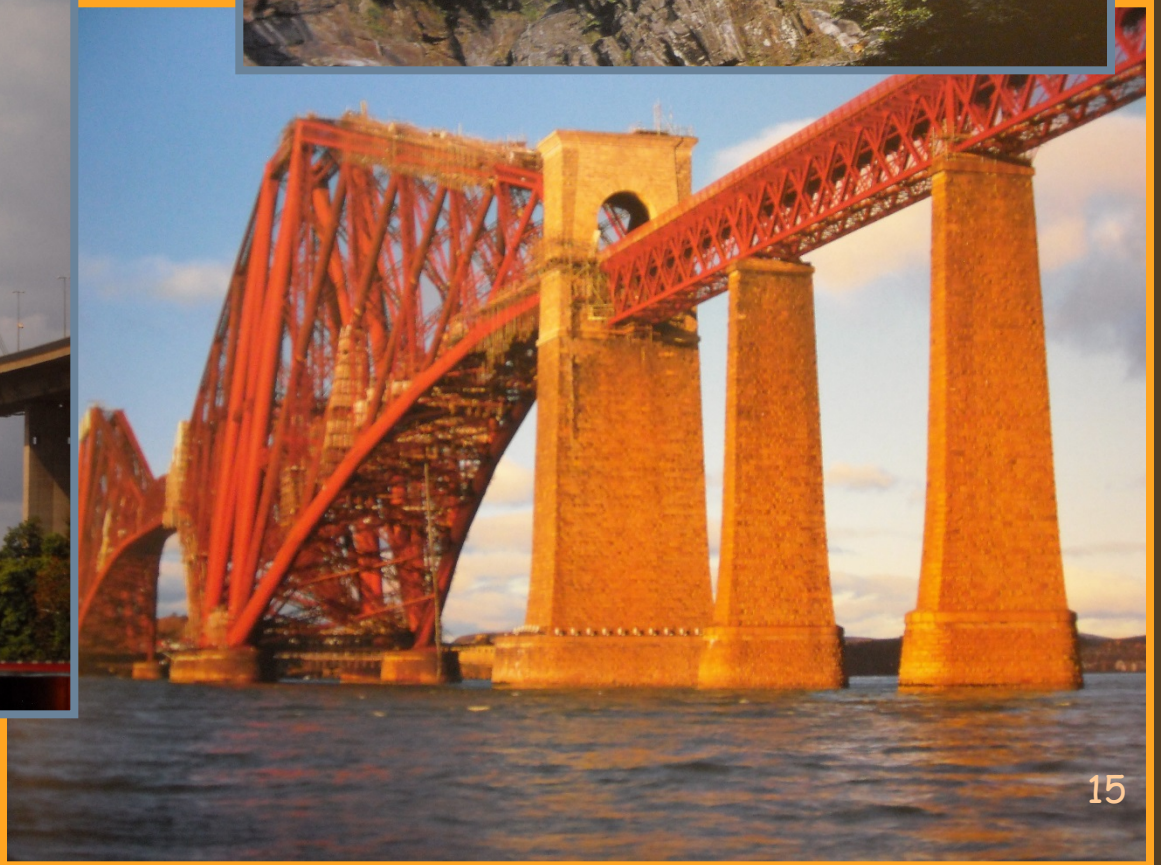
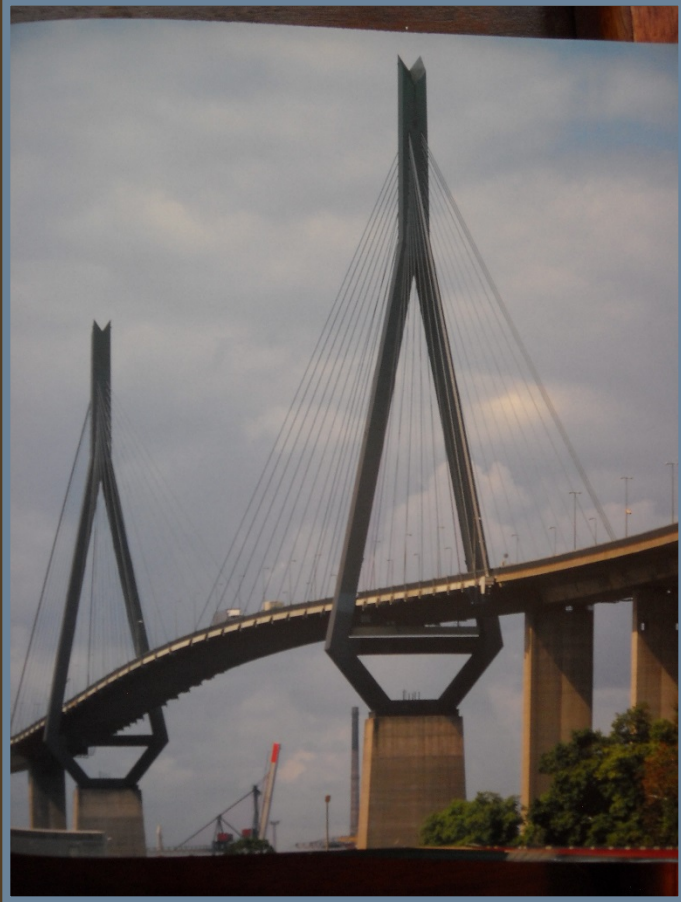
□ MNFI Update



Request Spatial Interest Review

- Counties may submit a request form for projects that:
 - Are likely to require a permit from TFHU
 - Or
 - A Project that is receiving Federal Aid

Awards



Best Application - Wetlands

Gladwin CRC - Drummond Road

DATA.FORM.wetland.A.B.pdf - Adobe Reader

File Edit View Window Help

1 / 3 139%

Sign Comment

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Drummond Road City/County: Clement Twp, Gladwin Co. Sampling Date:

Applicant/Owner: Gladwin County Road Commission State: MI Sampling Point: Wetland A-B

Investigator(s): Palus Consultants LLC Section, Township, Range: Sections 10,11,14,15, T.20N-R.1E

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): flat to low rolling terrain

Slope (%): Lat: Long: Datum: n/a

Soil Map Unit Name: ET, ME NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)

Are Vegetation no, Soil no, or Hydrology no significantly disturbed? Are "Normal Circumstances" present? Yes No

Are Vegetation no, Soil no, or Hydrology no naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features


Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No

Hydric Soil Present? Yes No

Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Wetland A-B

Remarks: (Explain alternative procedures here or in a separate report.)

We conducted a site visit and delineation in January 2013, and an additional site visit in June 2013. Wetland A-B is a forested wetland. We observed standing water in the wetland as well as an apparent water table at or near grade throughout. Soils in the wetland ranged from a sandy-



Best New Bridge

Wexford CRC

Saginaw CRC

Oceana CRC



Best New Culvert

Benzie CRC

Oscoda CRC

Otsego CRC



Best Soil Erosion Efforts

Charlevoix CRC



Best Mitigation Site Being Developed

Presque Isle CRC

Missaukee CRC



Best Mitigation Site Done

Isabella
Ogemaw
Kalkaska



Crazy Driver Award

All CHE's





Questions ?