



FOR GUIDANCE USE ONLY

Minor Stream Crossings (vehicle and foot bridges)

**MDEQ
LWMD
MP/GP**

Use this table to determine the criteria, fee, and requirements needed to complete your permit application

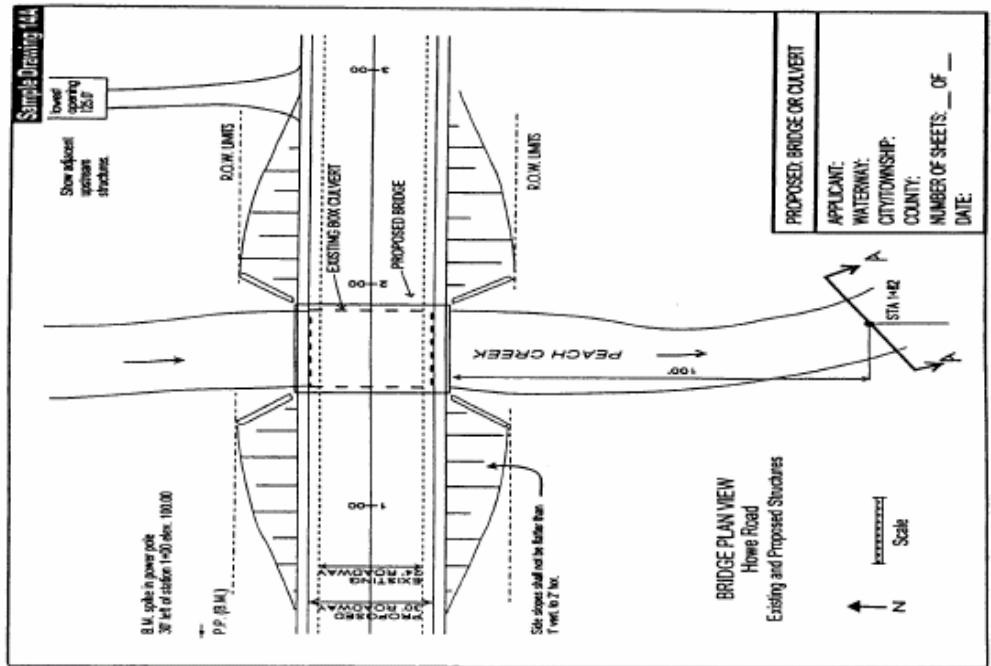
Regulatory Reference	Fee	General Guidance	Application Requirements
301. Inland Lakes & Streams, *R 281.816 Rule 6 (1)(f)	\$50	New, temporary, replacement, or removal of stream crossings (bridges): 1. Structure type & design of one of the following: a) Clear span crossing with: ✧ Bottom of lowest beam at or above top of the stream banks ✧ Approach fill sloping to natural ground elevations within 10 feet of the end of the bridge b) New bridge must span the bottomland and: ✧ a professional engineer certifies that the crossing size will pass a 100 year flood without causing harmful flood interference to adjacent properties. ✧ the certification must include hydraulic calculations c) Replacement bridge must span the bottomland and: ✧ a professional engineer certifies that the crossing hydraulic capacity is equal to or greater than existing hydraulic capacity ✧ there is no indication of harmful flood interference ✧ road elevation will not be higher than the bridge ✧ no removal of flood overflow structures. d) New or replacement bridge is in an upland channel where consideration for passage of flow is not a significant design factor e) Widening the bridge on either side with total widening not more than 24 feet 2. Provides for sufficient passage of watercraft on navigable waters 3. Total volume of compaction fill or rock riprap below ordinary high water mark is 200 cubic yards or less 4. Bridge placed and designed to prevent stream erosion	<ul style="list-style-type: none"> ● Sections 1-9, & 14 ● Others such as 10A, 10B, 12, 13, 20, & 21 may apply ● Site location map ● Provide site specific project site plan & cross section drawing ● All maps & drawings must be reproducible ● Stake project location(s) ● Provide photos ● Refer to sample drawings on back or in Appendix B: 1 & 14 <p>Additional drawings are available in the <i>JPA Training Manual</i> at www.michigan.gov/jointpermit</p>
31. Water Resources Protection *R 323.1316 Rule 316 (e)	\$100	A clear span crossing in a floodplain with: <ul style="list-style-type: none"> ● bottom of lowest beam is at/above ground on either bank ● approach fill sloping to natural ground elevations within 10 feet on either end of the crossing <p>*Floodplains that have a watershed of two (2) square miles or more are regulated by the MDEQ. *Floodplain fill that has compensating cut over 300 cubic yards requires compensating cut.</p>	<ul style="list-style-type: none"> ● Same as above and Section 13

*Project must represent the least damaging alternative to the regulated resource. This information is to be used solely as a guide to assist individuals in filling out the joint permit application. Note that not every project will fall into the above listed fee categories. If staff determines more information and/or a higher fee is needed before the application can be considered administratively complete, you will be notified and the file will be closed. Review of the application, up to 6 months from the closure date, will continue when all of the requested information is received.

Minor Project (bridge)

PROPOSED BRIDGES AND CULVERTS:

- Complete Section 14 and Sections 10A, 10B, 10C, 10, 11, and 15 if applicable to your project.
- Provide an overall site plan showing existing lanes, streams, wetlands, and other water features. Include name of wetlands, property boundaries, property boundaries, and neighboring property owner information.
- Provide detailed site-specific drawings of existing and proposed Plan View (Sample Drawing 14A), Elevation View (Sample Drawing 14B), Stream and Floodplain Cross-Section (Sample Drawing 14C), and Stream Profile (Sample Drawing 14D) adequate for detailed review.
- If your project includes floodplain fill complete Section 15 and include a site-specific drawing (See Sample Drawing 5).



- Bridge or Culvert Plan View
- Existing and proposed structures and approaches.
 - Property boundaries and/or right-of-way (R.O.W.).
 - Description of reference point and datum used (NGVD 29, ELLD 85 or local).
 - Location of cross-section or elevation views.
 - Soil erosion and sedimentation control measures.