

b. Purpose: Describe the purpose, need and intended use of the activity: The primary purposes for improvements to the LAK-2-3.32 corridor are to enhance safety and reduce congestion on SR 2 in Lake County for both local and through traffic. Three primary needs were identified for the project: Roadway capacity is insufficient to accommodate the existing and future traffic demands; Safety characteristics need to be improved; and Physical deficiencies exist in the corridor.

See Exhibit 2, Block 8b summarizing additional information regarding project.

8c. Discharge of dredged or fill material: Describe type, quantity of dredged material (in cubic yards), and quantity of fill material (in cubic yards). (OAC 3745-1-05(B)(2)(a))

Streams: Excavation: 5,640 yds² (total project)
Fill: 4,969 yds³ (total project)

Wetlands: Excavation: 2,532 yds³ (total project)
Fill: 32,295 yds³ (total project)

The types of material being discharged are specified by the ODOT Construction and Material Specifications 203. This includes natural soil, natural granular material, granular material types, shale, and rock.

See Table C for summary of discharge quantities by feature.

9. Waterbody and location of waterbody or upland where activity exists or is proposed, or location in relation to a stream, lake, wetland, wellhead or water intake (if known). Indicate the distance to, and the name of any receiving stream, if appropriate.

The proposed project impacts a total of 14 streams and six wetlands.

See Exhibit 2 for additional information.

10. To address the requirements of the Antidegradation Rule, your application must include a report evaluating the:

- Preferred Design (your project) and Mitigative Techniques
- Minimal Degradation Alternative(s) (scaled-down version(s) of your project) and Mitigative Techniques
- Non-Degradation Alternative(s) (project resulting in avoidance of all waters of the state)

At a minimum, item a) below must be completed for the Preferred Design, the Minimal Degradation Alternative(s), and the Non-Degradation Alternative(s), followed by completion of item b) for each alternative, and so on, until all items have been discussed for each alternative (see Primer for specific instructions). (Application and review requirements appear at OAC 3745-1-05(B)(2), OAC 3745-1-05(C)(6), OAC 3745-1-05(C)(1) and OAC 3745-1-54).

See Exhibit 3.

- 10a) Provide a detailed description of any construction work, fill or other structures to occur or to be placed in or near the surface water. Identify all substances to be discharged, including the cubic yardage of dredged or fill material to be discharged to the surface water. (OAC 3745-1-05(B)(2)(b))
- 10b) Describe the magnitude of the proposed lowering of water quality. Include the anticipated impact of the proposed lowering of water quality on aquatic life and wildlife, including threatened and endangered species (include written comments from Ohio Department of Natural Resources and U.S. Fish and Wildlife Service), important commercial or recreational sport fish species, other individual species, and the overall aquatic community structure and function. Include a Corps of Engineers approved wetland delineation. (OAC 3745-1-05(C)(6)(a, b) and OAC 3745-1-54)