

Item 7: Proposed Mitigation Plan

7.1 Mitigation Overview

The selected mitigation for the proposed Project is to utilize the In-Lieu Fee Program. On-site mitigation does not seem probable, as space is limited, maintenance activities may encroach within areas that would require easements, and the resources are low quality. With these factors in mind, the ecological benefit of proposing on-site restoration, enhancement, or preservation is a lower quality mitigation alternative than purchasing In-Lieu Fee Program credits. Ratio requirements were calculated in accordance with OAC 3745-1-54 for wetlands and the Draft Guidelines for Stream Mitigation Banking and In-Lieu Fee Programs in Ohio for streams.

7.1.1 Preferred Design (PD)

The PD would result in permanent impacts to 0.42 acres of Category 1, palustrine emergent wetlands, 92 linear feet of a Class I, ephemeral stream, and 93 linear feet of a Class II, intermittent stream. These proposed impacts account for approximately 27% of the total wetland acreage within the Project area, and approximately 11% of the total stream length within the Project area. Proposed mitigation includes 0.64 credits of wetland (rounded to 0.70 acres for purchase) and 278 credits of stream (*see Table 7.1*).

Table 7.1 – Preferred Design Proposed Impacts and Mitigation				
	Waters	Impact/Quality	Ratio¹	Proposed Mitigation Credits²
Wetlands	Wetland A	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland B	0.10 acres/Cat 1	1.5	0.15 acres
	Wetland C	0.14 acres/Cat 1	1.5	0.21 acres
	Wetland D	0.14 acres/Cat 1	1.5	0.21 acres
	Wetland E	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland F	0.03 acres/Cat 1	1.5	0.05 acres
	Wetland G	0.01 acres/Cat 1	1.5	0.02 acres
				TOTAL
Streams	Stream 1	93 linear feet/Class II	2.0	186 linear feet
	Stream 2	92 linear feet/Class I	1.0	92 linear feet
			TOTAL	278 linear feet

¹Ratio sources include OAC 3745-1-54 for wetlands and Draft Guidelines for Stream Mitigation Banking and In-Lieu Fee Programs in Ohio for Streams

²0.10 acres of wetland

7.1.2 Minimal Degradation Alternative (MDA)

This design would result in permanent impacts to 0.14 acres of Category 1, palustrine emergent wetlands, and 93 linear feet to a Class II, intermittent stream. These proposed impacts account for approximately 8% of the total wetland acreage and 5% of the total stream length within the Project area. Proposed mitigation includes 0.22 credits of wetland (rounded to 0.30 acres for purchase) and 186 credits of stream (see Table 7.2).

Table 7.2 – Minimal Degradation Alternative Proposed Impacts and Mitigation				
	Waters	Impact/Quality	Ratio¹	Proposed Mitigation Credits
Wetlands	Wetland A	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland B	0.10 acres/Cat 1	1.5	0.15 acres
	Wetland C	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland D	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland E	0.00 acres/Cat 1	1.5	0.00 acres
	Wetland F	0.03 acres/Cat 1	1.5	0.05 acres
	Wetland G	0.01 acres/Cat 1	1.5	0.02 acres
			TOTAL	0.22 acres
Streams	Stream 1	93 linear feet/Class II	2.0	186 linear feet
	Stream 2	0 linear feet/Class I	1.0	0.00 linear feet
			TOTAL	186 linear feet

¹Ratio sources include OAC 3745-1-54 for wetlands and Draft Guidelines for Stream Mitigation Banking and In-Lieu Fee Programs in Ohio for Streams

7.2 In-Lieu Fee Mitigation

The Project proposed impacts will be mitigated through the In-Lieu Fee Program. 0.70 acres of wetland credits will be purchased through the Ohio Streams & Wetlands Foundation (see attached Credit Purchase Agreement). The Ohio Streams & Wetlands Foundation requires an initial 10% deposit. 278 linear feet of stream credits will be purchased (see attached Letter of Credit Availability and Reservation form) through The Nature Conservancy. Both of these credits will be purchased within the Upper Scioto Watershed (HUC 05060001), which is where the Project is located. Credits will be purchased within 30 days, or per another time frame as specified by the Ohio EPA. Proof of purchase will be supplied the Ohio EPA.