

COMPARISON OF CURRENT MENASHA BOAT TRANSFER OPTIONS

	OPTION 1: BRIDGE CRANE WITHIN LOCK	OPTIONS 2: KMI ON ROADWAY EAST OF LOCK	OPTION 3: BRIDGE CRANE OVER DAM
	THROUGH-PUT / APPROXIMATE TRAVEL TIME		
Passenger travel (from 1-2 boats)*	10 - 15 minutes	10 - 15 minutes	10 - 15 minutes
Passenger travel (from 3-4 boats)*	15 - 20 minutes	20 - 30 minutes	20 - 25 minutes
Boat travel (1-2 boats)*	10 - 20 minutes	10 - 15 minutes	15 - 25 minutes
Boat travel (3-4 boats)*	20 - 30 minutes	25 - 35 minutes	20 - 30 minutes
Current travel time	Compare with existing lock travel time of: 12 minutes		

* Variables that will affect the Travel Time include: boat passenger unload/reload time, walking speed, potential wait time for people on trail, and operating procedures in regards to staggering lanes and staging boats.

	APPROXIMATE BOAT TRAVEL DISTANCE		
	160 ft. x 15'-0" lift height	550 ft.	270 ft. x 17'-6" lift height (gradual)

	ESTIMATED CONSTRUCTION COSTS		
Estimated construction costs (not including dredging)	\$ 2 - \$ 3 million	\$ 2.5 - \$ 3.5 million	\$ 3.5 - \$ 4.5 million
Initial Dredging (not including maintenance costs)	N/A	N/A	\$ 2.2 million
ESTIMATED TOTAL COSTS	\$ 2 - \$ 3 million**	\$ 2.5 - \$ 3.5 million**	\$ 5.7 - \$ 6.7 million**

** Estimated costs include General Conditions at 10% which includes engineering assuming a design-build contract.

Estimated costs **do not include cost for construction vehicle access or crane usage, which will be most costly for the dam option.

NEXT STEP ESTIMATED COSTS:	
Environmental Assessment	\$ 50,000 - \$ 70,000
Archaeological - preliminary	\$ 5,000 - \$ 10,000
Soil borings	\$ 30,000 - \$ 40,000