

JUSTIFICATION MATRIX - NAVIGATION SURVEY

The navigation survey for the Columbia River System Operation Environmental Impact Statement (CRSO-EIS) effort contains similarities to previous survey efforts conducted by USACE and Washington State University. The justification table below relates the questions in the current study to questions in either the Lock Closure Shipper Survey or the Shipper Survey which were approved under the previous OMB Guidance (0710-0001). These surveys along with the current survey are included in the Survey Justification Package.

Survey Question Number	Survey Topic Area	Similar Question / Survey Covered Under Previous OMB clearance (0710-0001)	Notes
SHIPMENT INFORMATION			
1	Primary Commodity	Cover Page / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facilities. Necessary to estimate impacts by commodity types and likely affected industries.
2	Facility Capability Information	Cover Page/ Lock Closure Shipper Survey	Standard question to ask shipper about commodities moving within facility. Necessary to estimate impact by commodity types and likely affected industries.
LAST FREIGHT SHIPMENT			
3	Commodity	Q3 & Q4 / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facility. Necessary to estimate impacts by commodity types and likely affected industries.
4	Destination	Q3 & Q4 / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facility. Necessary to estimate impacts by commodity types and likely affected industries.
5	Size of Shipment	Q3 & Q4 / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facility. Necessary to estimate impacts by commodity types and likely affected industries.
6	Method of Transportation	Q2 / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facility. Necessary to estimate impacts by commodity types and likely affected industries.
7	Estimated time		Not specifically asked in either of the previous surveys, but could be calculated from origin and destination information provided in previous surveys.
8	Price Received	Q4 / Lock Closure Shipper Survey	Standard question to ask shippers about commodities moving through facility. Necessary to estimate impacts by commodity types and likely affected industries.

SHIPPING ALTERNATIVES			
9	Behavior if waterway is closed	Q2 / Lock Closure Shipper Survey	Standard question to ask to determine option shippers will choose due to changes in waterway.
FIRST (BEST) SHIPPING ALTERNATIVE			
10	Destination of Alternative	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand the option shippers will choose due to changes in waterway.
11	Type of Destination	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand option shippers will choose due to changes in waterway.
12	Characteristics of Other Transport Options	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand option the shippers will choose due to changes in waterway.
13	Transit Time for Alternative		Not specifically asked in either of the previous surveys, but could be calculated from origin and destination information provided in previous surveys.
14	Reliability of Transportation Mode		Not specifically asked in either of the previous surveys, but is variation of lock closure question.
15	Size of Shipment	Q4/ Lock Closure Shipper Survey	
16	Price Received	Q4/ Lock Closure Shipper Survey	
OTHER SHIPPING ALTERNATIVE			
17	Destination of Alternatives	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand the option shippers will choose due to changes in waterway.
18	Type of Destination	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand the option shippers will choose due to changes in waterway.
19	Characteristics of Other Transport Options	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand the option shippers will choose due to changes in waterway.
20	Transit Time for Alternative		Not specifically asked in either of the previous surveys, but could be calculated from origin and destination information provided in previous surveys.
21	Size of Shipment	Q4/ Lock Closure Shipper Survey	
22	Price Received	Q4/ Lock Closure Shipper Survey	
BEST SHIPPING ALTERNATIVE			
23	Preferred Alternative	Q2/ Lock Closure Shipper Survey	Standard question to ask to understand the option shippers will choose due to changes in waterway.

TRANSPORTATION RATES			
24	Choice if Change in Transportation Rate		Not specifically in previous approved surveys, but a standard question to arrive at price elasticity of waterway transportation.
TRANSIT TIME			
25	Choice if Change in Transit Time		Not specifically in previous approved surveys, but a standard question to arrive at price elasticity of waterway transportation.
VOLUME			
26	Would Volume Change if Transportation Rate Changed		Not specifically in previous approved surveys, but a standard question to arrive at price elasticity of waterway transportation.
SHIPPER CHARACTERISTICS			
27	Age of Facility	Q1/ Shipper Survey	
28	Size of Facility	Q1/ Shipper Survey	
29	Timing of Main Shipments	Q3/ Shipper Survey	
30	Import or Export Business		Not specifically asked in either of the previous surveys, but important for the region since many commodities on the waterway travel to/from a deep draft port for export/import.
31	Number of Facilities Within Group	Q1/ Shipper Survey	
32	Number of Facilities Owned / Operated	Q1 / Shipper Survey	
33	Number of Employees	Not asked for in either surveys	Previous survey efforts did not focus on regional economic impact (i.e. Regional Economic Development account value). EIS requires understanding of potential RED impacts.
34	Contact for Follow Up	Cover Page / Shipper Survey	
35	Asking if Survey Summary is wanted		This question is included to increase response rates with the incentive of a summary of the responses.