EXHIBIT "B"



WHATCOM COUNTY 2022-2035 FOURTEEN-YEAR FERRY CAPITAL PROGRAM

Overview

This program provides a blueprint for the effective, efficient, and continuing operation of the Whatcom County Ferry System within existing financial constraints. Capital improvements are scheduled based on many years of experience operating and maintaining the system while complying with applicable regulations.

Inevitably, priorities and available funds for the ferry system will change over the fourteen years projected in this program. Therefore, the program intends to be a guide indicating long-range improvements and anticipated revenues and expenditures. Strict adherence is not required.

Enacted in 1975, Revised Code of Washington (RCW) 36.54.015 states "The legislative authority of every county operating ferries shall prepare, with the advice and assistance of the county engineer, a fourteen-year long-range capital improvement plan embracing all major elements of the ferry system. Such plan shall include a listing of each major element of the system showing its estimated current value, its estimated replacement cost, and its amortization period."

Table 1: Ferry System Current and Replacement Values – meets applicable requirements, showing the current value, replacement cost, and amortization periods for the vessels and facilities. The current value of the M/V Whatcom Chief is the insured value, the closest approximation of true worth. The facilities' current value is book value; original cost less depreciation plus depreciated improvements.

RCW 36.81.121 (1) states "...the legislative authority of each county, after one or more public hearings thereon, shall prepare and adopt a comprehensive transportation program for the ensuing six calendar years....and for those counties operating ferries shall also include a separate section showing proposed capital expenditures for ferries, docks, and related facilities. Copies of the program shall be filed with the county road administration board and the secretary of transportation not more than thirty days after its adoption by the legislative authority..." Subsection (2) requires expanded information on how a county will spend all its money on the various facets of the transportation program. This RCW Section was enacted in 1961. The capital expenditure portion of Subsection (1) is satisfied by:

Table 2: Projected Revenues defines the known and/or anticipated sources of operating and capital project funding for the 14-Year Plan.

Table 3: Projected Expenditures include all other expenditures on the system that meet Subsection (2) requirements. Operational expenditures are delineated between the vessel and non-vessel costs. U.S. Coast Guard regulations currently require the ferries to be dry-docked every two years, however, to extend the life, improve reliability, and protect our capital investment Whatcom County schedules dry-docking or an a out-of-service maintenance every year for its vessel. The terminal structures are inspected

regularly as required by the National Bridge Inspection Standards administered through the Washington State Department of Transportation. The inspection report helps identify and schedule major maintenance and replacement of these facilities.

This RCW section also provides the reporting requirement and timing of program submission, as well as establishing the annual update requirement.

Additionally, the Federal Highway Administration requires all agencies within a Metropolitan Planning Organization to develop and annually update the long-range Transportation Improvement Plans and their Biennial Element. Whatcom County updates this 14-Year plan each year and incorporates the results into the Six-Year Transportation Improvement Program.

Level-of-Service

On July 24, 2018, the Whatcom County Council passed resolution #2018-026. This resolution established a level of service for the Lummi Island Ferry System. Also, the resolution enacts an action plan to achieve the recommended improvements including:

1. Vessel

- A. Balancing capacity against operating costs (fuel, personnel, etc.) to ensure affordable fares over the long run, including needs-based fares, while optimizing vehicle demand, deck space, and trip frequency to minimize wait times, the design of a 34 car vessel is in the 2022-2027 Six-Year Transportation Improvement Program. The timing of the design and construction shall coincide with the next cycle of funding by the County Road Administration Board.
- B. The design of the vessel shall accommodate all walk-on passengers during typical peak times, accommodate legal loads of vehicles per Washington State Commercial Vehicle Guide and comply with U.S. Coast Guard safety standards and the Americans with Disabilities Act.
- C. To approach the goal of a carbon-neutral vessel and provide flexibility for future electric conversion and reliability, the design of the vessel shall be a hybrid diesel-electric.

2. Terminals

- A. The design of the marine structure modifications to the Gooseberry Point terminal and Lummi Island terminal to accommodate the new vessel are included in the 2022-2027 Six-Year Transportation Improvement Program and take into consideration the plan, listed 2E-2H below, to move the Gooseberry terminal at a future date. The timing of the design and construction shall coincide with the next cycle of funding by the County Road Administration Board and the construction of the new vessel.
- B. In addition to the modifications to accommodate a new vessel, improvements to the Lummi Island terminal shall include: reconfigure the queuing lanes, install ADA restrooms, and improve bicycle and pedestrian loading by locating the queuing area as close to the vessel as possible to reduce the time required to load onto the ferry.

- C. Implement remote ferry queue monitoring.
- D. Implement self-service ticketing.
- E. Whatcom County will initiate an intergovernmental agreement with the Lummi Nation to confirm the location of the Gooseberry Point Terminal as shown on the 2015 Lummi Nation TIGER grant application. Upon the finalization of the agreement, Whatcom County Public Works shall initiate the environmental review and permitting process for the Gooseberry Point terminal relocation.
- F. Construction of the new Gooseberry Point terminal relocation is to be accomplished before the end of the Uplands Lease Agreement with the Lummi Nation (October 2046). The design shall include dual lane loading and improve bicycle and pedestrian loading by locating the queuing area as close to the vessel as possible to reduce the time required to load onto the ferry.
- G. Whatcom County shall coordinate the Gooseberry Point terminal relocation with the Lummi Nation's permitting, funding, and construction of the future Fisherman's Cove Improvements.
- H. As property becomes available, Whatcom County shall purchase lands adjacent and near the new location of the Gooseberry Point terminal. The property will be utilized for off-street queuing, parking, and passenger amenities.
- I. All infrastructures shall be designed to accommodate the 100-year sea-level rise prediction by NOAA.

3. Operations

- A. A Whatcom County ferry district may be created to increase grant opportunities. This district shall be funded by a seasonal surcharge on single cash fares for the capitalization of future vessels.
- B. The long-term improvements shall be phased over time to allow for a complete funding portfolio to leverage a variety of funding sources and mechanisms.

Minor Maintenance

General minor maintenance is continual on the ferry, terminals, aprons, approaches, and waiting facilities. The costs and extent of the work is unpredictable, and frequently problems must be repaired immediately upon detection. Routine maintenance such as building painting and roof cleaning is more predictable and scheduled in advance.

History of the Ferry System

The ferry system is the only public transportation link for the majority of Lummi Island residents and vehicles to the mainland at Gooseberry Point. In the event of an emergency ferry outage or mechanical failure, the County has contracted pedestrianonly ferry services while the vessel is being repaired.

Following is a brief chronology outlining the history of the Whatcom County Ferry System.

GP denotes work occurred at the Gooseberry Point Terminal **LI** denotes work occurred at the Lummi Island Terminal

| 1926 | Lummi Shore Road from Bellingham was completed and a ferry, the Central, owned by Whatcom County and large enough to hold six small Model-T Fords started making scheduled runs between Lummi Island and Gooseberry Point. |
|------|--|
| 1929 | The slightly larger Chief Kwina replaces the Central. |
| 1950 | Gooseberry Point terminal built (GP) |
| 1962 | The M/V Whatcom Chief begins service |
| 1977 | Lummi Island terminal is relocated (LI) |
| 1981 | New transfer span and tower superstructure installed (LI) |
| 1982 | Approach span trestle refurbished (GP) |
| 1986 | Transfer span, tower structures, and marine structures replaced (GP) |
| 1993 | South inner and mid-ship timber dolphins replaced/installed (LI) |
| 1999 | Emergency South outer dolphin and breakwater repair (LI) |
| 1999 | Electrical feeder replacement (GP) |
| 2001 | Major maintenance on both terminals including painting, new aprons, electrical work, |
| | new hydraulics, tower bolt replacement (LI and GP) |
| 2002 | 20-Year Plan Phase 1 Process and report completed |
| 2005 | South outer timber dolphin replaced with steel structure (LI) |
| | Major Status Report on the Ferry System |
| 2006 | Emergency bearing seat pedestal replacement (LI) |
| | Parking lot improvements (LI) |
| | Major corrosion repair to vessel hull |
| | Completed design package for a 35-car replacement vessel |
| | Completed design package for urgent electrical/structural terminal repairs |
| | First Rate Increase in 5 years |
| 2007 | Bridge bearings replaced (LI) |
| | Electrical repairs (LI and GP) |
| 2008 | Two North timber dolphins replaced with steel doughnut dolphins designed for larger |
| | 35-car ferry boat design (LI) |
| | Counterweight sheaves replaced (GP and LI) |
| | Rate increase |
| 2009 | Emergency North wingwall replacement (LI) |

Traffic Gates Installed (LI and GP) Rate adjustment 2010 Emergency South wingwall replacement (LI) 2011 New live load hangers and pins installed (GP) Steel apron flaps replaced with rubber-coated flaps (LI) 2013 Timber wingwalls replaced with steel structures (GP) Terminal remote control system installed, electrical and hydraulic equipment updates (LI) 2014 Terminal remote control system installed (GP) All four timber dolphins replaced with steel structures (GP) 2015 Steel apron flaps replaced with rubber-coated flaps (GP) Emergency temporary repair to outer timber dolphin (LI) Rate adjustment 2017 Electrical system overhaul (GP) 2018 Structural steel repair work including new lifting beam, new live load hangars, and replacement of corroded high-strength bolts and diagonal bracing (GP) Structural steel repair work including replacement of corroded high-strength bolts and diagonal bracing (LI) 2019 Commenced public outreach and preliminary vessel and terminal designs Completed Lummi Island Preservation Project which included application of new paint system on transfer span, tower assemblies and apron (LI) 2020 COVID 19 significantly impacted operations resulting in lost revenue, reduced ridership, and conversion to cashless fares to mitigate risk Completed propulsion study for new vessel Applied for federal Build Grant and state Consolidated Grant Program Whatcom County obtained approval from USCG to modify the annual dry-docking schedule with a dockside maintenance substitution. This will be continued for future dry dockings when eligible.

EXHIBIT "B"

Table 1

| lable 1 | | | |
|----------------------------------|-------------------|----------|-----------|
| FERRY SYSTEM CURRENT AND REP | NACEMENT VALUE | S 2021 | |
| | LACEIVIEINI VALUE | 3 - 2021 | |
| VESSELS | | | |
| | M/V | | |
| | Whatcom | | |
| Current Statistics | Chief | | |
| ENGTH (ft) | 94 | | |
| BEAM (ft) | 44 | | |
| DISPLACEMENT (tons) | 78 | | |
| EAR BUILT | 1962 | | |
| CAPACITY Passengers | 100 | | |
| CAPACITY Cars | 20 | | |
| CURRENT INSURED VALUE - 2020 | \$890,000 | | |
| OTAL CURRENT VALUE - 2020 | | | \$890,000 |
| | | | |
| Replacement Statistics | | 1 | |
| /EAR | 2024 | | |
| ENGTH (ft) | 184 | | |
| BEAM (ft) | 54 | | |
| DISPLACEMENT (tons) | 100 | | |
| CAPACITY Passengers | 150 | | |
| CAPACITY Cars | 34 | | |
| REPLACEMENT VALUE ⁽¹⁾ | \$18,500,000 | | |
| TOTAL - REPLACEMENT VALUE | | | |

FACILITIES

| | | | SCHEDULED | | |
|--------------------------------------|---------------|--------------|---------------|----------------------|--------------------|
| | | | REPLACEMENT | | ESTIMATED |
| | YEAR BUILT OR | AMORTIZATION | /MODIFICATION | CURRENT BOOK | REPLACEMENT |
| LOCATION | REBUILT | PERIOD END | YEAR | VALUE ⁽⁴⁾ | COST 2021 \$'s (2) |
| Lummi Island Terminal | | | | | |
| Transfer Span and Dock | 1982 | 2022 | 2040 | \$421,345 | \$11,255,088 |
| Dolphins/Wingwall/Breakwater | 1978 | 2018 | 2024 | \$1,269,282 | \$7,878,562 |
| Upland Facilities | 1978 | 2018 | 2024 | \$60,000 | \$4,502,035 |
| Subtotal - Lummi Island Terminal | | | | \$1,750,627 | \$23,635,685 |
| Gooseberry Point Terminal | | | | | |
| Transfer Span and Dock | 1987 | 2027 | 2024-2046 | \$552,345 | \$26,449,457 |
| Dolphins/Wingwall ⁽³⁾ | 2013, 2014 | 2053, 2054 | 2024-2046 | \$2,945,405 | \$3,376,526 |
| Upland Facilities | | | | \$0 | \$10,692,334 |
| Subtotal - Gooseberry Point Terminal | | | | \$3,497,750 | \$40,518,317 |
| TOTAL FACILITIES VALUE | | | | \$5,248,377 | \$64,154,002 |
| TOTAL VESSEL & FACILITIES VALUE | | | | \$6,138,377 | \$82,654,002 |

NOTES:

⁽¹⁾ Cost based on figures from the RAISE Grant Submission

Per 2018 LOS Alternatives Analysis by KPFF Consulting (Costs have been escalated 3% per year and represent a 2021 replacement cost of the full structure, not the retrofit for a new boat.)

⁽³⁾ Replacement requires relocation. A phased approach to relocation will include modifications to existing facilities prior to completion of the new facility.

⁽⁴⁾ Estimated using a 40-year life and straight-line depreciation (including depreciated improvements)

Table 2

| Lummi Island Ferry 14-Year Capital Program | | | | | | | | | | | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|--|--|--|
| All \$ in 000's Revenues 2022-2028 | | | | | | | | | | | |
| Category | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | | | | |
| Multi Dida Farsa (2) | Ć 1 4FO | ć 1 477 | ć 1 F10 | ć 1 F 12 | \$ 1.578 | ¢ 1 C12 | ¢ 1 C 10 | | | | |
| Multi-Ride Fares (3) Single-Ride Fares (4) | \$ 1,450 363 | \$ 1,477 369 | \$ 1,510 377 | \$ 1,543 386 | \$ 1,578 394 | \$ 1,613 403 | \$ 1,649 412 | | | | |
| (Memo 55% of Operating Cost) (1) | 1,813 | 1,846 | 1,887 | 1,929 | 1,972 | 2,017 | 2,062 | | | | |
| MVFT Deficit Subsidy | 250 | 255 | 260 | 265 | 271 | 276 | 282 | | | | |
| County Road Fund Operating Subsidy | 1,596 | 1,625 | 1,661 | 1,698 | 1,736 | 1,774 | 1,814 | | | | |
| County Road Fund Capital Subsidy | 1,765 | 29 | 1,591 | 4,219 | 4,174 | | | | | | |
| Outside Funding | 885 | 896 | 7,811 | 10,409 | 2,884 | | | | | | |
| Ferry Replacement Fund | 199 | 201 | 203 | 205 | 208 | 211 | 214 | | | | |
| CRAB Capital Ferry Funding | | | | | 500 | 500 | 500 | | | | |
| Total Revenues | 6,508 | 4,852 | 13,414 | 18,726 | 11,745 | 4,778 | 4,871 | | | | |
| Total Expenditures (2) | 6,395 | 4,738 | 13,296 | 18,606 | 11,123 | 3,943 | 4,030 | | | | |
| Net Unfunded (Funded) (5) | (113) | (115) | (117) | (119) | (622) | (835) | (841) | | | | |

| Lummi Island Ferry 14-Year Capital Program | | | | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|--|--|--|--|
| All \$ in 000's Revenues 2029-2035 | | | | | | | | | | | |
| | | | | | | | | | | | |
| Category | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | | | | |
| | | | | | | | | | | | |
| Multi-Ride Fares (3) | \$ 1,687 | \$ 1,724 | \$ 1,763 | \$ 1,803 | \$ 1,844 | \$ 1,889 | \$ 1,932 | | | | |
| Single-Ride Fares (4) | 422 | 431 | 441 | 451 | 461 | 472 | 483 | | | | |
| (Memo 55% of Operating Cost) (1) | 2,108 | 2,156 | 2,204 | 2,254 | 2,305 | 2,361 | 2,415 | | | | |
| | | | | | | | | | | | |
| MVFT Deficit Subsidy | 287 | 293 | 299 | 305 | 311 | 317 | 323 | | | | |
| County Road Fund Operating Subsidy | 1,854 | 1,895 | 1,938 | 1,981 | 2,026 | 2,075 | 2,121 | | | | |
| County Road Fund Capital Subsidy | - | - | - | - | - | - | - | | | | |
| Outside Funding | - | - | 1 | - | - | - | - | | | | |
| Ferry Replacement Fund | 217 | 220 | 222 | 224 | 226 | 228 | 230 | | | | |
| CRAB Capital Ferry Funding | 500 | 500 | 500 | 500 | 500 | 500 | 500 | | | | |
| | | | | | | | | | | | |
| Total Revenues | 4,966 | 5,064 | 5,163 | 5,264 | 5,368 | 5,481 | 5,590 | | | | |
| Total Expenditures (2) | 4,120 | 4,212 | 4,307 | 4,403 | 4,502 | 4,610 | 4,714 | | | | |
| | | | | | | | | | | | |
| Net Unfunded (Funded) (5) | (846) | (852) | (856) | (861) | (866) | (871) | (876) | | | | |

Note 1: Fare revenue is not calculated on ridership and is instead calculated based on a 55% recovery of expenditures as outlined in farebox recovery legislation.

Note 2: As Shown On Table 2, including capital expenditures.

Note 3: Equal to 80% of Fares

Note 4: Equal to 20% of Fares

Note 5: Unfunded ferry capital is generally covered using road fund revenue. In the case of years 2023 and 2026 grant funds are being activly sought as the road fund does not have the capacity to cover these deficits

Table 3

| Lummi Island Ferry 14-Year Capital Program | | | | | | | | | | |
|--|---------------------|--|---|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | | | | |
| | | | | | | | | | | |
| 1 400 | 1 420 | 1 457 | 1 400 | 1 515 | 1.546 | 1,577 | | | | |
| <u> </u> | | | | | | | | | | |
| | | , | | | | 1,231 | | | | |
| | | | | | | 93 | | | | |
| | | | | | | 127 | | | | |
| 2,610 | 2,675 | 2,742 | 2,811 | 2,881 | 2,953 | 3,027 | | | | |
| | | | | | | | | | | |
| 411 | 413 | 415 | 417 | 419 | 421 | 423 | | | | |
| - | | | | | | | | | | |
| | | | | | | 11 | | | | |
| 9 | 9 | 9 | 10 | 10 | 10 | 10 | | | | |
| | | | | | | | | | | |
| 28 | 29 | 30 | 31 | 32 | | 33 | | | | |
| 8 | 8 | 8 | 9 | 9 | 9 | 10 | | | | |
| | | | | | | | | | | |
| 69 | 69 | 70 | 72 | 73 | 75 | 76 | | | | |
| 401 | 398 | 406 | 414 | 422 | 431 | 439 | | | | |
| 3,546 | 3,612 | 3,691 | 3,773 | 3,857 | 3,943 | 4,030 | | | | |
| | | | | | | | | | | |
| | 396 | 7 311 | 9 909 | 965 | _ | | | | | |
| 649 | | | | | | | | | | |
| | | - L, L T T | -,,,,,,, | | _ | _ | | | | |
| 50 | 50 | 50 | | | | | | | | |
| 2,849 | 1,126 | 9,605 | 14,833 | 7,266 | - | - | | | | |
| 6,395 | 4,738 | 13,296 | 18,606 | 11,123 | 3,943 | 4,030 | | | | |
| | Table 2 Experiments | Table 2 Expenditures 202 2022 2023 1,400 1,428 1,038 1,069 72 74 100 104 2,610 2,675 411 413 10 10 9 9 9 28 28 29 8 8 8 69 69 401 398 3,546 3,612 - 396 649 680 2,150 - 50 50 2,849 1,126 | Table 2 Expenditures 2022-2028 Page 2022 2023 2024 1,400 1,428 1,457 1,038 1,069 1,101 72 74 76 100 104 108 2,610 2,675 2,742 411 413 415 10 10 10 9 9 9 28 29 30 8 8 8 69 69 70 401 398 406 3,546 3,612 3,691 - 396 7,311 649 680 2,244 2,150 - - 50 50 50 2,849 1,126 9,605 | Table 2 Expenditures 2022-2028 Page 1 2022 2023 2024 2025 1,400 1,428 1,457 1,486 1,038 1,069 1,101 1,134 72 74 76 79 100 104 108 112 2,610 2,675 2,742 2,811 411 413 415 417 9 9 9 9 10 28 29 30 31 8 8 9 69 69 70 72 401 398 406 414 3,546 3,612 3,691 3,773 - 396 7,311 9,909 649 680 2,244 4,924 2,150 - - - - - - 50 50 50 50 50 14,833 | Table 2 Expenditures 2022-2028 Page 1 2022 2023 2024 2025 2026 1,400 1,428 1,457 1,486 1,515 1,038 1,069 1,101 1,134 1,168 72 74 76 79 81 100 104 108 112 117 2,610 2,675 2,742 2,811 2,881 411 413 415 417 419 10 10 10 11 11 9 9 9 10 10 28 29 30 31 32 8 8 8 9 9 69 69 70 72 73 401 398 406 414 422 3,546 3,612 3,691 3,773 3,857 - 396 7,311 9,909 965 649 680 2,244 4,9 | Table 2 Expenditures 2022-2028 Page 1 2022 2023 2024 2025 2026 2027 1,400 1,428 1,457 1,486 1,515 1,546 1,038 1,069 1,101 1,134 1,168 1,196 72 74 76 79 81 90 100 104 108 112 117 122 2,610 2,675 2,742 2,811 2,881 2,953 411 413 415 417 419 421 10 10 10 11 11 11 9 9 9 10 10 10 28 29 30 31 32 32 8 8 8 9 9 9 69 69 70 72 73 75 401 398 406 414 422 431 3,546 3,612 3,691 | | | | |

Table 3 (continued)

| Lummi Island Ferry 14-Year Capital Program | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|--|--|
| All in 000's Table 2 Expenditures 2029-2035 Page 2 | | | | | | | | | |
| Category | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | | |
| Operating Expenses | | | | | | | | | |
| Vessel Operations | | | | | | | | | |
| Personnel | 1,608 | 1,640 | 1,673 | 1,707 | 1,741 | 1,776 | 1,811 | | |
| Fuel & Operating Supplies | 1,267 | 1,305 | 1,343 | 1,382 | 1,422 | 1,465 | 1,510 | | |
| Insurance | 95 | 98 | 101 | 104 | 107 | 111 | 114 | | |
| Other Operating Expenses | 132 | 137 | 142 | 148 | 154 | 159 | 163 | | |
| Total Vessel Operations | 3,102 | 3,180 | 3,260 | 3,341 | 3,425 | 3,510 | 3,598 | | |
| Other Operations | | | | | | | | | |
| Administration | 426 | 428 | 430 | 432 | 434 | 436 | 438 | | |
| Parking Lots | | | | | | | | | |
| Lummi Island | 11 | 12 | 12 | 12 | 13 | 13 | 13 | | |
| Gooseberry Pt. | 10 | 11 | 11 | 11 | 12 | 12 | 12 | | |
| Staging Areas | | | | | | | | | |
| Lummi Island | 34 | 35 | 37 | 38 | 39 | 40 | 41 | | |
| Gooseberry Pt. | 10 | 10 | 10 | 11 | 11 | 18 | 19 | | |
| Docks | | | | | | | | | |
| Lummi Island | 78 | 79 | 81 | 82 | 84 | 86 | 88 | | |
| Gooseberry Pt. | 448 | 457 | 466 | 476 | 485 | 495 | 505 | | |
| Total Operating Expenses | 4,120 | 4,212 | 4,307 | 4,403 | 4,502 | 4,610 | 4,714 | | |
| Capital Expenditures | | | | | | | | | |
| Replacement of Whatcom Chief | - | - | - | - | - | - | | | |
| Terminal Modifications | | | | | | | | | |
| Lummi Island Breakwater Replacement | - | - | - | - | - | - | | | |
| Relocation of Gooseberry Terminal | - | - | - | - | - | - | | | |
| Total Capital Program Costs | - | - | - | - | - | - | | | |
| Total Costs | 4,120 | 4,212 | 4,307 | 4,403 | 4,502 | 4,610 | 4,714 | | |