

W. Hea.

AGENDA COVER MEMO

DATE: September 22, 2004

TO: Board of County Commissioners

PRESENTED BY: Oliver Snowden, Public Works Director

AGENDA ITEM TITLE: IN THE MATTER OF AUTHORIZING UP TO \$530,000 IN 2003 AND 2004 FEDERAL SURFACE TRANSPORTATION PROGRAM (STP) FUNDS FOR THE REHABILITATION OF THE LOWELL COVERED BRIDGE AND THE CONSTRUCTION OF AN INTERPRETIVE SITE.

I. MOTION

Move adoption of Board Order.

Attachment "A"
Preliminary Report is available for review in Commissioners' office

II. ISSUE OR PROBLEM

Should the Lane County Board of Commissioners supplement the existing Federal funding for the Lowell Covered Bridge Interpretative Site with an additional \$530,000 from the County's Federal 2003 and 2004 Surface Transportation Program allocations?

III. DISCUSSION

A. Background

Efforts by the East Lane Commissioner to preserve the Lowell covered bridge extend to the early 1990's when Marie Frazier represented the district. The bridge is closed to traffic and, consequently, cannot be maintained with money from the Road Fund.

In 1998, the County, in concert with the Willamette National Forest, secured a Forest Highway Enhancement grant of up to \$1,075,000 to create an interpretative center at the site. In 1999, the County secured a \$700,000 federal Surface Transportation Program (STP) Enhancement grant to rehabilitate the bridge. Both grants were funded by the federal TEA-21. The Forest Highway funds are administered directly by the FHWA's Western Federal Lands Highway Division (WFLHD). ODOT administers the STP Transportation Enhancement funds. The grants were written so that the Forest Highway grant will provide the required match for the STP grant. The project was originally programmed for FY02-03. Construction was subsequently delayed until FY03-04, and then to FY04-05, by both ODOT and WFLHD.

This project is complicated by the multiple sources of funding and multiple agencies involved. Nevertheless, by 2002, ODOT had agreed to serve as the lead agency for the project, which is typical for local agency federal aid projects. By then, the cost of estimate for the project was \$2.25 million -- \$500,000 over the grants that had been secured. On

November 13, 2002, then Commissioner Weeldreyer asked the Board to allocate \$500,000 from the County's 2003 Federal Surface Transportation Program (STP) funds to the project. These funds are distributed by formula from ODOT to the County. Through Board Order 02-11-13-01, the Board agreed to the Commissioner's request, and authorized the County Administrator to execute agreements related to the project.

B. Analysis

Since that time, ODOT retained OBEC Consulting Engineers to prepare the bridge rehab and site development plans. Sea Reach, Ltd. was retained to design the interpretive exhibits. With the help of a stakeholders group, OBEC prepared the attached Preliminary Report for the Lowell Covered Bridge Rehabilitation and Site Improvements. Page 1 of the report describes the project and lists the stakeholders, some of who are present to address the Board today.

Figure 4 (titled "Master Plan") in the Report provides a plan view of the proposed project. The key for the project elements is shown on Figure 9, titled "Construction Notes." The Master Plan development calls for:

- Rehabilitation of the covered bridge
- Reconstruction of the bridge approach spans;
- Expansion of the existing fill area to accommodate:
 - o improved traffic circulation
 - o a paved parking lot for 30 standard parking spaces and 3 RV spaces
 - o toilets
 - o interpretative kiosk
 - o lighting
 - o drinking fountain
 - o picnic tables
 - o site host trailer/coffee cart space
 - o viewing promenade
- Interpretative exhibits illustrating:
 - o the Lowell Covered Bridge gateway to the county's covered bridges, local covered bridge communities, and area recreation opportunities
 - o bridge building technology
 - o transportation
 - o changes in people's lives since the County's covered bridges were built

As noted above, we have secured \$2.275 million in federal funding for the project. We anticipate that approximately \$314,000 will be needed for project preliminary engineering and design of the interpretive plan. This leaves about \$1,961,000 for construction.

OBEC's most recent cost estimate for the bridge rehab and full master plan improvements is attached. This replaces the estimate in Appendix B of the Report. Unfortunately, the revised construction estimate is \$2,487,956, or about \$530,000 more than the available construction funding.

The budgets for the bridge rehab work and interpretative exhibits have been relatively consistent since the beginning of the project. The continued increase in total project cost

is primarily related to the cost of the fill area and associated amenities. One option to reduce the project cost is to reduce the scope of the project. This is illustrated in Figure 8, titled "Alternate Minimized Site Plan." This alternate project can be built with existing \$1,961,000 funding. It retains the full covered bridge rehab, most of the interpretative exhibits and the toilets, but it builds only 75% of the expanded fill area and it eliminates the paved parking and most of the amenities associated with the parking and rest area.

Figure 6 (titled "Alternate Master Plan Stage 1") is the same as the minimized site plan alternate, with the exception that it builds full-expanded fill as visualized in the Master Plan. This alternate costs about \$200,000 more than the available funding.

Several stakeholders are present to comment on the importance of building the full set of Master Plan improvements next year, rather than looking for funding for the uncompleted improvements at a later date. If the Board wishes to add the funding necessary to build the full Master Plan Improvements, the best way to do that would be to allocate \$530,000 from the County's 2003 and 2004 federal STP funds.

Each year, ODOT shares about \$15 million of its FHWA STP funds with cities and counties. The money is distributed by formula. In 2003, Lane County received an allocation of \$586,388. In 2004, we have \$569,093 available. This direct federal money has greater flexibility than County Road Funds. The federal money can be used to rehab an out-of-service bridge, like Lowell, whereas the State Highway funds and County Road Funds cannot.

The Board has already dedicated \$500,000 from the 2003 STP allocation to this project. That means that the \$86,388 remaining from 2003, plus \$413,612 from 2004 will provide the \$530,000 needed.

Strategic Plan

To the extent that this project attracts visitors to Lane County and promotes recreational use of lands in east Lane County, it is consistent with the Lane County Strategic Plan goals to work for a strong regional economy and to contribute to appropriate community development. It also protects the public's assets by rehabilitating a structure that is on the Historic Register. The project is consistent with Core Strategy B3(b)4: "The County will attempt to leverage its County dollars as much as possible." Although the STP funds come to Lane County as a formula distribution, technically, all the project funding, including match, is from federal money.

C. Alternatives/Options

1. Do not approve additional funding; build the Alternate with the minimized site plan (Figure 9).
2. Approve allocation of up to \$530,000 of 2003 and 2004 federal Surface Transportation Program funding; build the Alternate with the full Master Plan improvements (Figure 4).
3. Approve allocation of up to \$200,000 of 2003 and 2004 federal Surface Transportation Program funding; build Alternate with Stage 1 of site improvements (Figure 6).
4. Seek additional funding from Forest Highway Enhancement funds and/or Transportation Enhancement funds to make up the funding shortfall for Options 2 and 3 above.

D. Recommendation

If the Board wishes to add funding to the project, Option 2 is the best approach.

E. Timing

Advance Plans for the project are due to ODOT by November 15th, and bid letting is scheduled for March 10, 2005. A decision on additional funding is needed in the next few weeks to stay on schedule for the March bid.

IN THE BOARD OF COMMISSIONERS OF LANE COUNTY STATE OF OREGON

ORDER NO.

)IN THE MATTER OF AUTHORIZING UP
)TO \$530,000 IN 2003 AND 2004
)FEDERAL SURFACE TRANSPORTATION
)PROGRAM (STP) FUNDS FOR THE
)REHABILITATION OF THE LOWELL
)COVERED BRIDGE AND THE
)CONSTRUCTION OF AN INTERPRETIVE
)SITE

WHEREAS, Lane County has secured \$1,775,000 in grants from the Federal Highway Administration for the rehabilitation of the Lowell Covered Bridge and construction of an interpretive site; and,

WHEREAS, through Order 02-11-13-01, the Board authorized use of up to \$500,000 from its allocation of federal Surface Transportation Program Funds from use on the Covered Bridge and interpretive site; and,

WHEREAS, based on cost estimates from the Preliminary Report for Lowell Covered Bridge Rehabilitation and Site Improvements prepared by OBEC Consulting Engineers now places the cost of the full project at approximately \$530,000 more than the \$2.275 million available; and

WHEREAS, the Board recognizes the community importance of this project and wishes to ensure its implementation; NOW

BE IT ORDERED that \$86,388 from Lane County's 2003 federal STP funds and up to \$413,612 from Lane County's 2004 federal STP funds be authorized for use on the Lowell Covered Bridge and Interpretive Site, and the FY05 to FY09 Capital Improvement Program be amended accordingly.

DATED this _____ day of _____ 2004

Chair, Lane County Board of Commissioners

APPROVED AS TO FORM

Date 9-10-04 lane county

Mark Swall
ATTORNEY GENERAL COUNSEL

September 7, 2004

Spec. Sec.	No.	Item	Bid Unit	Est. Unit	Quantity	Unit Price	Total Price
MOBILIZATION AND TRAFFIC CONTROL							
00210	10	Mobilization @ 10%	Lump Sum	Lump Sum	All	Lump Sum \$	195,900.00
00225	20	Temporary Protection and Direction of Traffic	Lump Sum	Lump Sum	All	Lump Sum \$	1,000.00
00225	30	Temporary Signs	Sq. Ft.	Sq. Ft.	184	\$ 23.00 \$	4,232.00
00225	40	Temporary Barricades, Type III	Each	Each	4	\$ 150.00 \$	600.00
00225	50	Temporary Concrete Barrier, Reflectorized	Foot	Foot	388	\$ 25.00 \$	9,700.00
00225	60	Temporary Impact Attenuator	Each	Each	1	\$ 3,500.00 \$	3,500.00
00225	70	Temporary Plastic Drums	Each	Each	6	\$ 50.00 \$	300.00
00225	80	Flaggers	Hours	Hours	200	\$ 35.00 \$	7,000.00
00280	90	Erosion Control	Lump Sum	Lump Sum	All	Lump Sum \$	1,500.00
00280	100	Sediment Fence, Unsupported	Foot	Foot	254	\$ 3.50 \$	889.00
00280	110	Staked Sediment Fence Turbidity Barrier	Foot	Foot	1,450	\$ 20.00 \$	29,000.00
00290	120	Pollution Control Plan	Lump Sum	Lump Sum	All	Lump Sum \$	1,500.00 \$ 255,121
ROADWORK							
00310	130	Removal of Structures and Obstructions	Lump Sum	Lump Sum	All	Lump Sum \$	1,500.00
00330	140	General Excavation	Cu. Yd.	Cu. Yd.	520	\$ 13.00 \$	6,760.00
00330	150	Stone Embankment	Cu. Yd.	Cu. Yd.	8,600	\$ 12.00 \$	103,200.00
00390	160	Loose Riprap, Class 25	Ton	Ton	4	\$ 55.00 \$	220.00
00390	170	Loose Riprap, Class 700	Ton	Ton	29,800	\$ 10.00 \$	298,000.00 \$ 409,680
DRAINAGE AND SEWERS							
00445	180	18-Inch Storm Sewer Pipe, 10 Ft. Depth	Foot	Foot	88	\$ 50.00 \$	4,400.00
00470	190	Catch Basins, Area Drain	Each	Each	1	\$ 3,500.00 \$	3,500.00
00480	200	Drainage Curb	Foot	Foot	781	\$ 10.00 \$	7,810.00 \$ 15,710
BRIDGES							
00501	210	Bridge Removal Work	Lump Sum	Lump Sum	All	Lump Sum \$	100,000.00
00501	220	Extra for Salvaging & Stockpiling Bridge Items	Lump Sum	Lump Sum	All	Lump Sum \$	10,000.00
00510	230	Pile Drilling Platform and Containment Structure	Lump Sum	Lump Sum	All	Lump Sum \$	80,000.00
00512	240	Furnish Drilling Equipment	Lump Sum	Lump Sum	All	Lump Sum \$	15,000.00
00512	250	Drilled Pile Sockets	Foot	Foot	305	\$ 20.00 \$	6,100.00
00520	260	Furnish Pile Driving Equipment	Lump Sum	Lump Sum	All	Lump Sum \$	18,000.00
00520	270	Furnish Steel PP 12 3/4" x 0.50" Conc. Filled Pipe Piles	Lump Sum	Foot	640	\$ 33.00 \$	21,120.00
00520	280	Drive Steel PP 12 3/4" x 0.50" Pipe Piles	Each	Each	17	\$ 500.00 \$	8,500.00
00520	290	Reinforced Pile Tips	Each	Each	7	\$ 200.00 \$	1,400.00
00530	300	Reinforcement	Lump Sum	Lb	5,000	\$ 1.00 \$	5,000.00
00540	310	Structural Concrete, Class 3600	Lump Sum	Cu. Yd.	20	\$ 425.00 \$	8,500.00
00550	320	Precast, Prestressed Concrete Slabs	Lump Sum	Foot	744	\$ 155.00 \$	115,320.00
00555	330	Post-Tensioning	Lump Sum	Lump Sum	All	Lump Sum \$	15,000.00
00560	340	Structural Steel	Lump Sum	Lump Sum	All	Lump Sum \$	6,000.00
00570	350	Timber and Lumber	MFBM	MFBM	13.0	\$ 3,200.00 \$	41,600.00
00570	360	Timber Decking	MFBM	MFBM	20.0	\$ 3,600.00 \$	72,000.00
00570	370	Wood Siding	MFBM	MFBM	10.0	\$ 3,600.00 \$	36,000.00
00570	380	Glued Laminated Timber	MFBM	MFBM	26.6	\$ 4,000.00 \$	106,400.00
00570	390	Windows	Each	Each	10	\$ 1,200.00 \$	12,000.00
00575	400	Reroof Bridge	Lump Sum	100 Ft ²	75	\$ 660.00 \$	49,500.00
00587	410	Timber Bridge Rail	Lump Sum	Foot	390	\$ 60.00 \$	23,400.00
00587	420	Steel Bridge Rail	Lump Sum	Foot	384	\$ 125.00 \$	48,000.00
00594	430	Paint Covered Bridge	Lump Sum	Sq. Ft.	15,000	\$ 2.25 \$	33,750.00
00598	440	Portal Roll-up Security Door	Lump Sum	Each	1	\$ 12,000.00 \$	12,000.00 \$ 844,590
BASES							
00640	450	Aggregate Base	Ton	Ton	1,765	\$ 20.00 \$	35,300.00 \$ 35,300

Lowell Covered Bridge Rehabilitation & Master Plan Site Improvements

Preliminary Engineer's Cost Estimate

September 7, 2004

Spec. Sec.	No.	Item	Bid Unit	Est. Unit	Quantity	Unit Price	Total Price
WEARING SURFACES							
00744	460	Level 2, 1/2 Inch Dense HMAC Mixture	Ton	Ton	570	\$ 58.00	\$ 33,060.00
00759	470	Concrete Wheelstops	Each	Each	28	\$ 75.00	\$ 2,100.00
00759	480	Concrete Walks	Sq. Ft.	Sq. Ft.	1,800	\$ 7.50	\$ 13,500.00
00759	490	Concrete Valley Gutter	Foot	Foot	68.0	\$ 30.00	\$ 2,040.00
00759	500	Concrete Surfacing	Sq. Ft.	Sq. Ft.	3,440	\$ 10.00	\$ 34,400.00
00759	510	Concrete Stairs	Cu. Yd.	Cu. Yd.	4.1	\$ 900.00	\$ 3,690.00
\$ 88,790							
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES							
00810	520	Guardrail, Type 2A	Foot	Foot	87.5	\$ 26.00	\$ 2,275.00
00810	530	Guardrail, Type 3	Foot	Foot	12.50	\$ 40.00	\$ 500.00
00810	540	Guardrail Anchor, Type 1 (Modified)	Each	Each	2	\$ 450.00	\$ 900.00
00811	550	Guardrail, End Piece, Type B	Each	Each	12	\$ 60.00	\$ 720.00
00815	560	Removable Bollards	Each	Each	2	\$ 600.00	\$ 1,200.00
\$ 5,595							
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES							
00861	570	Painted Permanent Pavement Striping, Complete	Lump Sum	Foot	1,020	\$ 1.50	\$ 1,530.00
\$ 1,530							
PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS							
00910	580	Wood Sign Posts	FBM	FBM	320	\$ 5.50	\$ 1,760.00
00940	590	ADA Signs	Each	Each	2	\$ 400.00	\$ 800.00
00940	600	Type "B" Signs In Place	Sq. Ft.	Sq. Ft.	120	\$ 20.00	\$ 2,400.00
00970	610	Exterior Lighting Illumination (4 Lights & Electrical)	Lump Sum	Lump Sum	All	Lump Sum	\$ 15,000.00
00980	620	Interior Bridge Sign Lighting & Electrical	Lump Sum	Lump Sum	All	Lump Sum	\$ 5,000.00
\$ 24,960							
RIGHT-OF-WAY DEVELOPMENT AND CONTROL							
01030	630	Permanent Seeding	Lump Sum	Acre	0.2	\$ 5,000.00	\$ 1,000.00
01040	640	Plantings	Lump Sum	Lump Sum	All	Lump Sum	\$ 10,000.00
01040	650	Top Soil	Cu. Yd.	Cu. Yd.	230	\$ 30.00	\$ 6,900.00
01040	660	Hardwood Mulch	Cu. Yd.	Cu. Yd.	20	\$ 35.00	\$ 700.00
01050	670	Steel Pedestrian Rail	Lump Sum	Foot	610	\$ 75.00	\$ 45,750.00
01095	680	Litter Receptacles	Each	Each	2	\$ 1,000.00	\$ 2,000.00
	690	Interpretive Kiosk Structure	Lump Sum	Lump Sum	All	Lump Sum	\$ 15,000.00
	700	Interpretive Kiosk Signs	Lump Sum	Each	8	\$ 3,000.00	\$ 24,000.00
	710	Interpretive Bridge Signs	Lump Sum	Each	10	\$ 7,000.00	\$ 70,000.00
	720	Interpretive Entrance Sign	Lump Sum	Each	1	\$ 5,000.00	\$ 5,000.00
	730	Boulders	Each	Each	80	\$ 90.00	\$ 7,200.00
	740	Restrooms, ADA Compliant	Each	Each	1	\$ 50,000.00	\$ 50,000.00
	750	Rock Wall	Foot	Foot	40	\$ 60.00	\$ 2,400.00
	760	Drinking Fountain	Each	Each	1	\$ 2,200.00	\$ 2,200.00
	770	Picnic Tables	Each	Each	5	\$ 600.00	\$ 3,000.00
	780	Benches	Each	Each	10	\$ 400.00	\$ 4,000.00
01970	790	Water Service, Complete	Lump Sum	Foot	1,300	\$ 22.00	\$ 28,600.00
\$ 277,750							
SUB-TOTAL OF ITEMS:							\$ 1,959,026.00
Contingencies @ 12%:							\$ 235,080.00
Construction Engineering @ 15%:							\$ 293,850.00
TOTAL CONSTRUCTION ESTIMATE:							\$ 2,487,956.00