

03-5-21-1 W8a

AGENDA COVER MEMO

DATE: May 21, 2003

TO: Lane County Board of Commissioners

DEPT: Public Works

PRESENTED BY: Ollie Snowden, Public Works Director
Dean Fuller, ODOT

AGENDA ITEM TITLE: In the Matter of Authorizing the Temporary Closure of Judkins Road in Association with the ODOT I-5 Willamette River Bridge Replacement Project

I. MOTION

THAT THE BOARD ORDER BE APPROVED AUTHORIZING THE TEMPORARY CLOSURE OF JUDKINS ROAD IN ASSOCIATION WITH THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) I-5 WILLAMETTE RIVER BRIDGE REPLACEMENT PROJECT

II. ISSUE OR PROBLEM

Should the temporary closure of Judkins Road be authorized in association with the ODOT I-5 Willamette River Bridge replacement project?

III. DISCUSSION

A. Background.

A recent inspection of the I-5 Willamette River Bridge showed growing shear cracks throughout the reinforced concrete beams supporting the bridge deck. To keep the cracks from getting worse, heavy truckloads are now banned from using the bridge. Combined with similar restrictions for the I-5 McKenzie River bridges north of Eugene, several detour routes are now in place for heavy haul trucks.

B. Analysis.

ODOT plans to build two new temporary bridges (Willamette River and Patterson Slough) east of the existing span so that commercial truck traffic may resume normal flows within the I-5 corridor. Building the temporary bridges will allow ODOT to design, finance and build a permanent replacement bridge at a future date. ODOT estimates the temporary bridges will be complete around December 2004.

As an impact of the above construction work, Judkins Road and its access to the northbound I-5 off ramp will need to be closed for an indefinite length of time. Per Lane Code 15.220 - Temporary Road Closures, the Public Works Director is authorized to temporarily close a road in the interest of public safety or prevention of extensive damage to County roads and bridges. However, ODOT anticipates the road could be closed for seven years if not longer. Because of the extended duration of this proposed closure, Board concurrence is requested. The two principal residents of the road—Willamette Beverage and Sears—are not opposed to the closure of the road.

C. Alternatives/Options.

1. Authorize the temporary closure of Judkin's Road in association with the ODOT I-5 Willamette River Bridge project.
2. Do not authorize the temporary closure of Judkin's Road.

D. Recommendation.

It is hereby recommended that the temporary closure of Judkin's Road be authorized.

IV. IMPLEMENTATION/FOLLOW-UP

Upon approval by the Board, staff will implement procedures to close the road. ODOT will apply for a facility permit to occupy and construct temporary improvements within the Judkin's Road right-of-way.

V. ATTACHMENTS

1. ODOT Project Fact Sheet
2. ODOT Draft Temporary Bridge Drawing

IN THE BOARD OF COMMISSIONERS OF LANE COUNTY
STATE OF OREGON

ORDER NO.

(IN THE MATTER OF AUTHORIZING
(THE TEMPORARY CLOSURE OF
(JUDKINS ROAD IN ASSOCIATION
(WITH THE ODOT I-5 WILLAMETTE
(RIVER BRIDGE REPLACEMENT
(PROJECT

WHEREAS, a recent inspection by Oregon Department of Transportation (ODOT) of the I-5 Willamette River Bridge showed damage significant enough to warrant posting weight limitations and future replacement of the bridge; and

WHEREAS, ODOT plans to build two new temporary bridges (Willamette River and Patterson Slough) so that commercial truck traffic may resume normal flows. Building the temporary bridges will allow ODOT to design, finance and build a permanent replacement bridge at a future date. ODOT estimates the temporary bridges will be complete around December 2004; and

WHEREAS, as an impact of the temporary bridge construction, it will be necessary to close Judkins Road for a period of up to seven years. The two principal residents of the road do not oppose the closure of the road; and

WHEREAS, per Lane Code 15.220, the Public Works Director is authorized to temporarily close a road in the interest of public safety; **NOW THEREFORE BE IT**

ORDERED, that the temporary closure of Judkins Road is authorized in association with the ODOT I-5 Willamette River Bridge replacement project in accordance with Lane Code 15.220 for a period of up to seven years.

DATED this _____ day of _____, 2003.

Peter Sorenson, Chair
Lane County Board of Commissioners

APPROVED AS TO FORM

Date 5-13-03 lane county

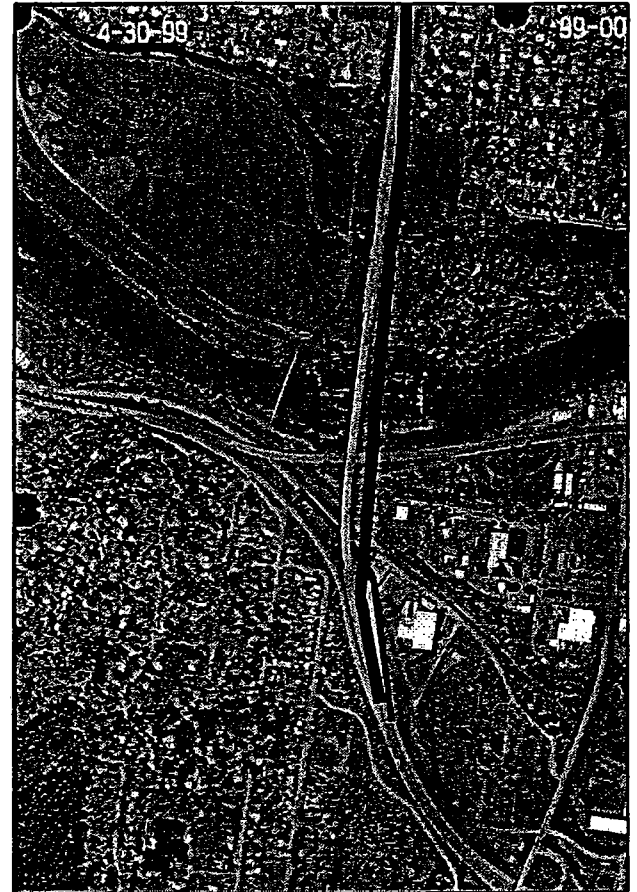
OFFICE OF LEGAL COUNSEL



I-5: Willamette River Bridge — Eugene (milepost 192.75) Project Fact Sheet

The Problem:

- Recent bridge inspections show that there are growing shear cracks throughout the reinforced concrete beams supporting the bridge deck. To keep the cracks from getting worse, heavy truck loads now are banned from using the bridge. Normal commercial truck traffic is not affected.
- Allowed truck weights:
 - Legal axle loads (Weight Table 1).
 - 105,500 lbs. extended-weight annual permit trucks (Weight Table 2).
- Restricted truck weights:
 - 98,000 lbs. heavy-haul permit trucks (Weight Table 3).
 - Single-trip permits for weight (Weight Tables 3, 4, & 5).
- Detour routes for restricted trucks:
 - Combined with similar restrictions for the I-5 McKenzie River bridges north of Eugene, several detour routes are in place for heavy-haul trucks.
 - Truckers should check with the ODOT Motor Carrier Transportation Division permits office for information. Call (503) 373-0000. Or visit TripCheck.com for detour route instructions.



The Fix:

- Build temporary bridges east of the existing span so that commercial truck traffic may resume normal flows. Two new bridges are needed (Willamette River and Patterson Slough).
- The northbound off-ramp from I-5 to Franklin Boulevard will need to be rebuilt also.
- Building the temporary bridges will allow ODOT to design, finance and build a permanent replacement bridge.

Cost:

- Project Engineering is expected to cost about \$1 million.
- Construction is expected to cost about \$30.0 million.

Timeline:

- The contract for construction will be offered for bids in June.
- The temporary bridges would be complete around December 2004.

Impacts of the Work:

- Height restrictions will be needed for the northbound I-5 off-ramp onto Franklin Blvd.
- Some temporary ramp closures will be needed.

- Some night work will be needed.

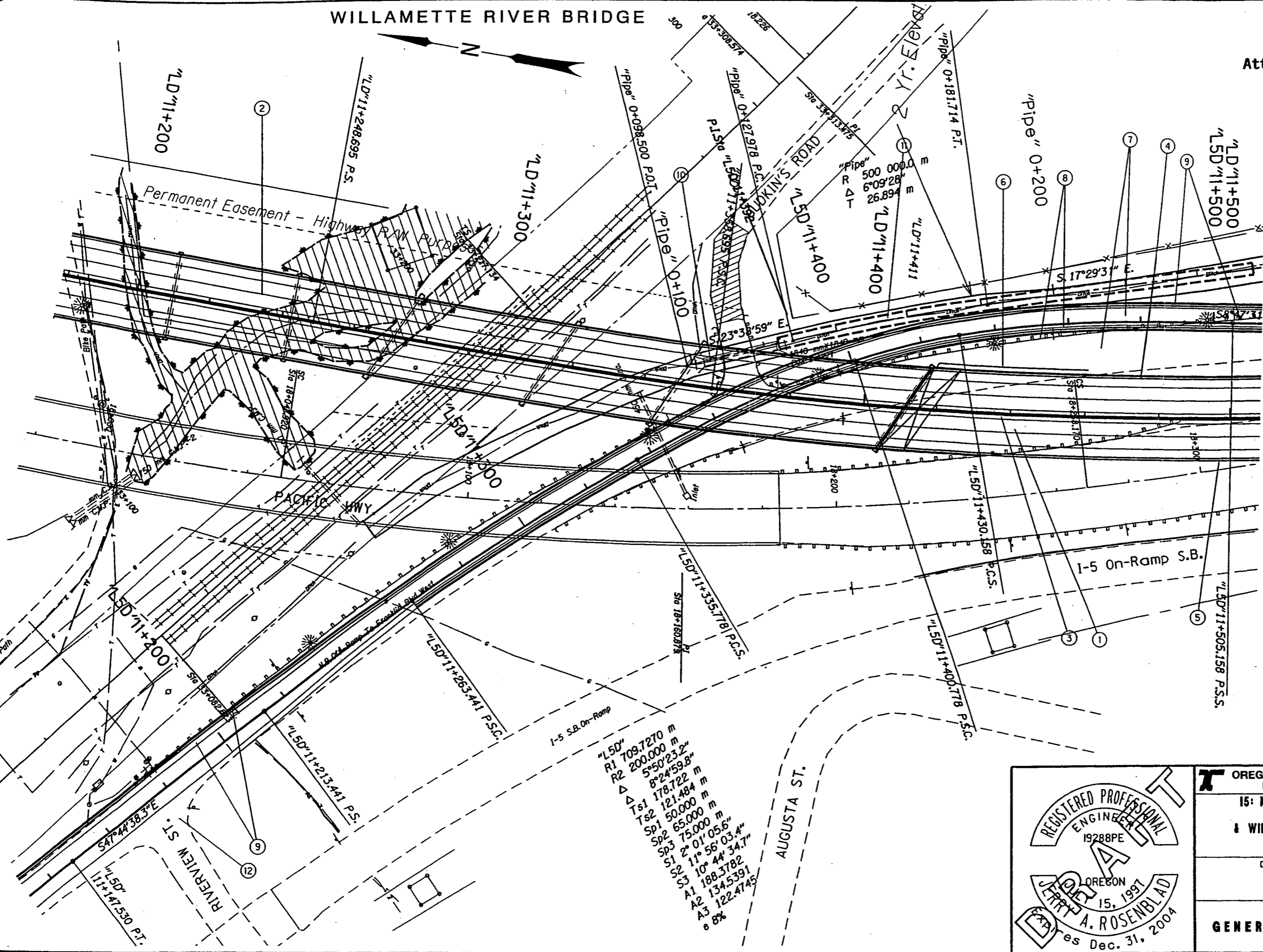
Other Concerns:

- Park property on the north end of the bridge will be temporarily affected.
- Environmental concerns in project corridor need to be studied and offset.
- Local permits are needed.
- Closure of Judkin's Road access to NB ramp.
- The stream channel next to the northbound off-ramp will need a fish-friendly culvert installed.

WILLAMETTE RIVER BRIDGE

Attachment 2.

C:\usr\proj\ecds\3110\willamette\3110101.dwg
28-APR-2003 16:20
BRIDGE DETAILS CHECKED
HYDRAULICS DETAILS CHECKED



Proposed
Existing

REGISTERED PROFESSIONAL
ENGINEER
19288PE

CREATED
JERRY A. ROSENBLAD
15, 1997
es Dec. 31, 2004

OREGON DEPARTMENT OF TRANSPORTATION
ROADWAY ENGINEERING SECTION

15' MCKENZIE R. BR. S.B. (DETOUR)
& N.B. (TEMP. REPAIR)
& WILLAMETTE R. BR. (DETOUR) SECS.
PACIFIC HIGHWAY
LANE COUNTY

Design Team Leader - Steve Cooley
Designed By - Jerry Rosenblad
Drafted By - Bob Erpelding

GENERAL CONSTRUCTION

SHEET NO.
12