

CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

Policy Session Worksheet

Presentation Date: 5/14/19 **Approx. Start Time:** 11:00am **Approx. Length:** 30 minutes

Presentation Title: Bull Run and Dodge Park Bridge Updates

Department: Transportation and Development

Presenters: Mike Bezner, Assistant Director of Transportation

Other Invitees: Randy Harmon, Transportation Operations Manager

WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?

Should staff invest in rehabilitating the Bull Run and Dodge Park Bridges, or only pursue replacement funding for each?

EXECUTIVE SUMMARY:

Clackamas County owns two bridges north of Sandy that are nearing the end of their useful life- the Bull Run Bridge that carries Bull Run Road over the Bull Run River and the Dodge Park Bridge that carries Lusted Road over the Sandy River. Both bridges were originally constructed in 1894 as part of the Burnside Bridge over the Willamette River in downtown Portland, and both were subsequently moved to their current locations in 1926 when a new Burnside Bridge was constructed (and now is being planned for replacement by Multnomah County). As a result of their longevity, both bridges have been requiring increasingly expensive maintenance projects over the past 20 years in order to keep them open and unrestricted for trucks carrying legal loads. Currently, the Bull Run Bridge requires extensive concrete deck repairs to fix excessive cracking, and the Dodge Park Bridge needs a new paint system and repairs to fix significant corrosion of the steel truss.

In addition to the increased need for expensive maintenance, bridge load rating standards have changed and the Oregon Department of Transportation is currently performing new load ratings for both of these bridges. These new ratings will likely result in new weight restrictions. The county issued 409 permits in the past five years for over-dimensional/over-weight loads on the Bull Run Bridge alone, so these weight restrictions will have a significant impact on school buses, emergency vehicles, freight deliveries, the Portland Water Bureau, Portland General Electric, Weyerhaeuser, and other private and public stakeholders.

There are limited funding sources to replace bridges on the county system. Most often, the county applies for competitive federally funded grants that are administered by ODOT. Although the county is sometimes successful in obtaining these grants, the need statewide is far greater than the funding available, so the waiting period to receive a grant may be lengthy. Recently the county applied for a Better Utilizing Investments to Leverage Development (BUILD) federal grant to replace the Bull Run Bridge. While this effort was unsuccessful, we did receive valuable feedback on the application and we have started a 30% design process to

increase the project's readiness. This will be highlighted as we prepare to submit another BUILD grant application in July.

Some less expensive deck repairs to the Bull Run Bridge will be proceeding in the short term to keep the bridge open; but further repairs to both bridges will be very expensive and, given their lengthy years of service, are not cost effective when compared to full replacements.

FINANCIAL IMPLICATIONS (current year and ongoing):

Is this item in your current budget? YES NO

What is the cost?

- Dodge Park Bridge
 - \$ 2.6 million to paint and perform structural repairs
 - Approximately \$10 million to replace.
- Bull Run Bridge
 - Repair cost unknown at this time (pending new load rating)
 - Approximately \$8.5 million to replace.

What is the funding source? Road Fund for repair work; possibly rural STP, BUILD grant or future Highway Bridge Program funding for replacements.

STRATEGIC PLAN ALIGNMENT:

- How does this item align with your Department's Strategic Business Plan goals?

Strategic result: Travelers on Clackamas County roads will experience safe roads in good condition

Strategic result: Department of Transportation and Development customers will experience coordinated resources and efficient service response in the event of an emergency or disaster

- How does this item align with the County's Performance Clackamas goals?

Strategic Goal: Build a Strong Infrastructure, Ensure long-term investments in infrastructure that will generate good-paying jobs that support families, ease commute times for many residents and help maintain a healthy environment.

LEGAL/POLICY REQUIREMENTS:

None.

PUBLIC/GOVERNMENTAL PARTICIPATION:

Outreach has included the Portland Water Bureau, Sandy Fire, and freight industry representatives.

OPTIONS:

1. Invest Road Fund in major maintenance projects to keep both bridges open, and possibly with no load restrictions (\$2.5 million minimum for Dodge Park, unknown at this time for Bull Run).
2. Invest Road Fund in minor maintenance projects to keep both bridges open to light traffic and the heaviest loads possible without significant investments.
3. Pursue a federal BUILD grant to replace the Bull Run Bridge (\$8.5 million).
4. Pursue other federal and/or state grants to replace the Dodge Park Bridge (\$10 million).

RECOMMENDATION:

Staff respectfully recommends options 2, 3, and 4.

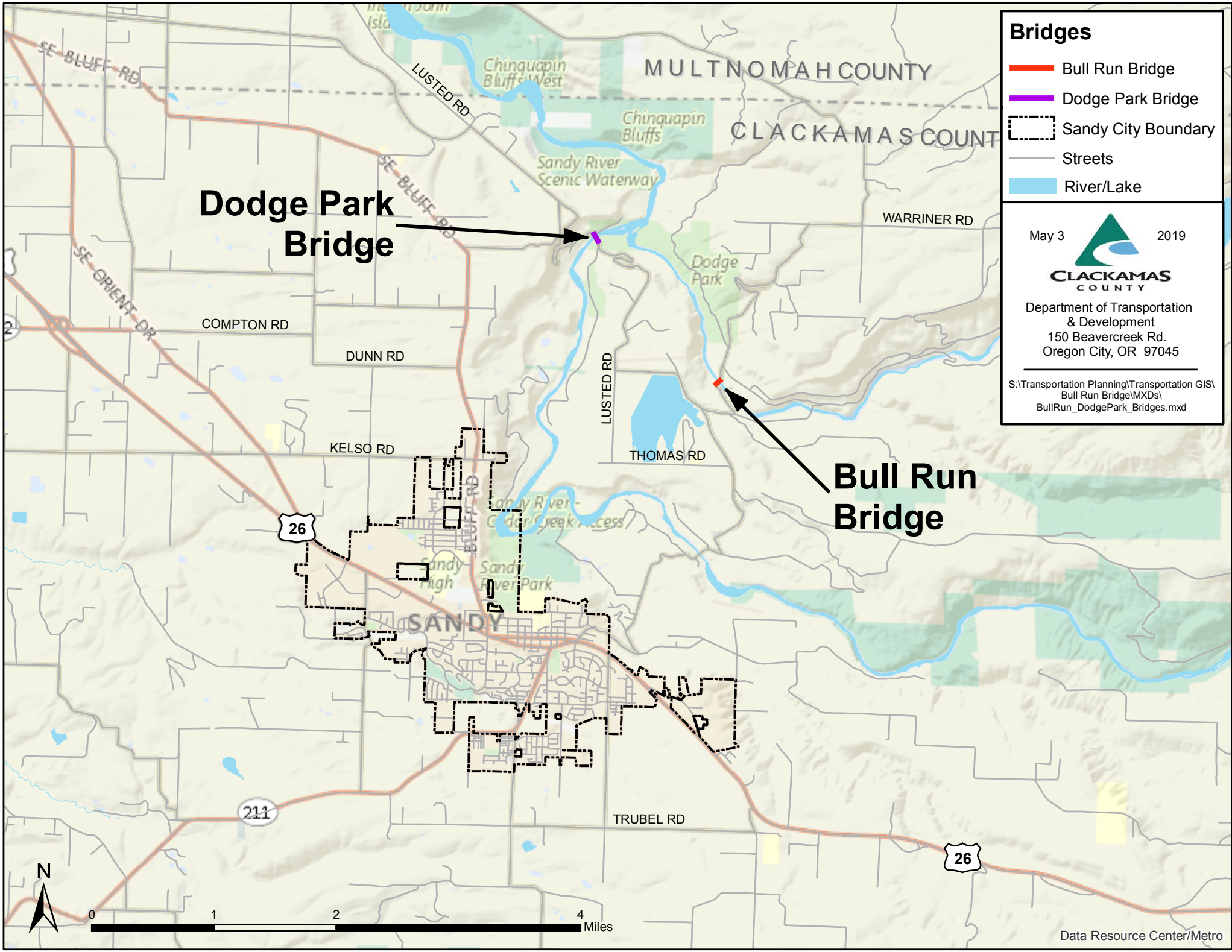
ATTACHMENTS:

Vicinity Map
Photos

SUBMITTED BY:

Division Director/Head Approval _____
Department Director/Head Approval _____
County Administrator Approval _____

For information on this issue or copies of attachments, please contact Mike Bezner @ 503-742-4651



Bridges

- Bull Run Bridge
- Dodge Park Bridge
- Sandy City Boundary
- Streets
- River/Lake

May 3  2019

CLACKAMAS COUNTY

Department of Transportation & Development
150 Beaver Creek Rd.
Oregon City, OR 97045

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Dodge Park Bridge

Bull Run Bridge

