

# Memorandum

May 17, 2022

Project# 27358

To: Sandra Hikari, Project Manager  
Oregon Department of Transportation  
123 NW Flanders St. Portland, OR 97209

Cc: Scott Hoelscher

From: Nick Gross, Alice Root, Ashleigh Ludwig PE, AICP, Hermanus Steyn, PE

RE: US 26 Rhododendron Design Refinement Plan

## TM#2 PERFORMANCE-BASED DESIGN DECISION FRAMEWORK

### Purpose

The purpose of this memorandum is to document the performance-based design decision framework and guidance for the success of the US 26 Rhododendron Design Refinement Plan (Refinement Plan).

### Performance Based Approach

As stated in the Oregon Department of Transportation's (ODOT) Blueprint for Urban Design (BUD), identifying the desired project outcomes, and understanding the urban context, as well as primary roadway users can guide the Project Management Team (PMT) in determining appropriate performance measures to evaluate the trade-offs of various design decisions.

Figure 4-5 in the BUD identifies the existing processes and project types based on ODOT's performance-based design decision framework. The Refinement Plan most closely reflects the project type of Facility Planning and will therefore be taken through the Program Development phase of ODOT's Transportation System Lifecycle Process. Figure 1 illustrates the performance-based design decision framework for the Refinement Plan.

**Figure 1: Refinement Plan – Performance-Based Design Decision Framework**



Documentation is a key component throughout each step of the performance-based design decision framework. After each step is completed, project outcomes and decision-making must be vetted against the documented project goals and desired outcomes. The overview and order of deliverables is provided in the "Overview of Deliverables" section of this memorandum.

---

## Performance-Based Project Flow

---

The following section identifies the key steps in relation to project deliverables and schedule that will be incorporated into the project flow. Understanding how to integrate practical design strategies and a performance-based design approach into the project flow will help guide the PMT documenting decisions and identifying solutions that serve the intent of the identified urban context and users within that context. All decision-making throughout the project development process will be tied back to the established project goals, context, and desired outcomes identified in Step 1 below.

### STEP 1 – ESTABLISH PROJECT GOALS, CONTEXT & DESIRED OUTCOMES

Establishing project goals, corridor vision, and desired outcomes is completed early in the project flow. The goals and vision should be linked to the existing and future desired land uses and developed to be easily understood by community members. Key components to documenting the project context and goals include identifying the *Vision of Place*, *Desired Role of the Facility*, and *Primary Users of the Facility*.

The Refinement Plan will accomplish Step 1 through the **Corridor Vision Statement**. The Corridor Vision identifies the urban contexts: **Rural Community**.

This context serves as the basis for all decision-making based on the project's corridor vision, envisioned modal priorities, and anticipated users of the US 26 facility. This decision-making framework is rooted in the existing and future desired urban contexts and has been informed by **Corridor Vision Statement** and **TM#3: Plan, Policy, and Literature Review**.

**TM#1: Evaluation Criteria and Performance Measures** will be developed once consensus is reached on the **Corridor Vision Statement** and will be further informed by relevant goals, policies, and visionary language summarized in **TM#3: Plan, Policy, and Literature Review**.

### STEP 2 – EVALUATE PERFORMANCE OF ALTERNATIVES & DEVELOP CONCEPT DESIGN AND ESTIMATE

The project needs identified in **TM#4: Safety, Operations, and Active Transportation Conditions** will establish a baseline understanding of the Refinement Plan study area's transportation systems and inform the development of design concepts in **TM#5: Design Refinement and Alternatives Evaluation**. A supporting methodology memorandum document will summarize the analysis procedures and approaches in TM#4.

The project-level performance measures established as part of the **TM#1: Evaluation Criteria and Performance Measures** will be used to evaluate the alternatives and will be tied back to the Refinement Plan goals, corridor vision, and desired outcomes. If PMT discussions or alternative evaluations lead to changes in the performance measures or Refinement Plan goals, this information and subsequent decisions should be clearly documented and will trigger updates to the prior memorandums. The range of alternatives should meet the original intended outcomes of the Refinement Plan documented as part of the **Corridor Vision Statement**.

## STEP 3 – SELECT AND DEVELOP DESIGN REFINEMENT PLAN

The selection and development of a preferred alternative will be identified in the **Draft Design Refinement Plan** and further refined through feedback from the PMT, technical ODOT staff, and input from the Oregon Mobility Advisory Committee (MAC) to develop the **Final Design Refinement Plan**.

### SUBSEQUENT STEPS

The design phase(s) for implementing projects identified within the Refinement Plan must be vetted through the ODOT's Region 1's Technical Center and where applicable, informing the MAC to ensure designs meet the documented Refinement Plan context and goals, corridor vision, and desired outcomes. To further ensure the ability to implement projects through either ODOT preservation or enhancement project, the Consultant Team will prepare a **draft Urban Design Concurrence (UDC) Document** for review by the PMT, MAC, and technical ODOT staff for initial acceptance. Approval of the UDC occurs at the Design Acceptance Package (DAP) design phase of the project by the Region 1 Roadway Manager. These subsequent steps are:

- Step 4 - Moving to Final Design and Construction
- Step 5 - Monitoring, Operating, and Maintaining

The **Final Design Refinement Plan** and **draft Urban Design Concurrence Document** will form the basis during these subsequent steps. If future phases differ from the Final Design Refinement Plan, then the PMT should revisit the **Corridor Vision Statement, Urban Design Concurrence Document**, and determine if the original goals, corridor vision statement, and desired outcomes for the Refinement Plan should change. If a change appears appropriate, then justification should be provided and documented accordingly.

---

## Overview of Deliverables

---

The Refinement Plan will be guided by a series of technical memoranda cited in the previous section, following the performance-based design decision framework outlined in the BUD. The initial technical memorandums provide the building blocks for the success of the Refinement Plan outcome. The Refinement Plan will be prepared in coordination with the PMT and based on feedback received as part of the stakeholder interviews as well as the virtual open house.

The general chronology of deliverables and public outreach activities is summarized on the following page.

## DELIVERABLES & PUBLIC OUTREACH ACTIVITIES



Note: The final Urban Design Concurrence Document (UDC) will be part of the Design Acceptance Package (DAP).  
Note: Design development will occur as part of TM#5 and will be based on the findings from TM#4.

## Planned PMT Meeting Schedule

A proposed meeting schedule for the PMT is summarized in Table 1. For each meeting, the date and time, and key deliverables to be discussed are listed. The schedule of meetings has been finalized based on input from the PMT.

**Table 1: PMT Meeting Schedule & Deliverables for Review**

Meeting	Date & Time	Deliverables
PMT1	May 10, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft Corridor Vision Statement</li> <li>Draft TM#2 Performance-Based Design Decision Framework</li> <li>Draft TM#3 Plan, Policy, and Literature Review</li> <li>Draft Project Factsheet</li> <li>Draft Graphical Project Schedule</li> </ul>
PMT2	June 14, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft TM#1 Evaluation Criteria and Performance Measures</li> <li>Draft Methodology Memorandum</li> </ul>
PMT3	July 12, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft Project Area Map</li> <li>Draft Stakeholder Questions</li> <li>Draft “Drop-in” Outreach Material</li> </ul>
PMT4	August 9, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft TM#4 Safety, Operations, and Active Transportation Analysis</li> </ul>
PMT5	September 13, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft Virtual Open House Content</li> <li>Draft MAC Presentation</li> </ul>
PMT6	October 11, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft TM#5 Design Refinement and Alternatives Evaluation</li> <li>Draft Access Management Presentation</li> </ul>
PMT7	November 8, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Final TM#5 Design Refinement and Alternatives Evaluation</li> </ul>
PMT8	December 13, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Draft US 26 Rhododendron Design Refinement Plan</li> <li>Draft Urban Design Concurrence Form</li> </ul>
PMT9	January 10, 10:00 – 11:00am	<ul style="list-style-type: none"> <li>Final US 26 Rhododendron Design Refinement Plan</li> <li>Final Draft Urban Design Concurrence Form</li> </ul>

Draft deliverables will be submitted one week in advance of PMT meetings. Consultant will finalize draft deliverables based on PMT feedback within two-weeks of received comments.

---

## Next Steps

---

The PMT has reviewed and provided comments on this document. This document will primarily serve as a tool for the PMT outlining the Refinement Plan development process, timeline, and deliverables.