



Public Open House #2

Concept Alternatives

Seward Hwy & Alyeska Hwy Intersection Improvement Project

Project No. Z546190000

April 22, 2021 @ 6:00 PM via ZOOM



PROJECT OVERVIEW

SCOPE



The Alaska Department of Transportation and Public Facilities (DOT&PF) is working on the Seward Hwy & Alyeska Hwy Intersection Improvement project which seeks to improve the capacity, operation and safety of the intersection.

Scope: DOT&PF has funded the project for engineering, environmental and public involvement activities through the selection of an alternative and development of the design to the 30% level, including compliance with the Municipality of Anchorage's Context Sensitive Solutions (CSS) Policy and the National Environmental Policy Act (NEPA).

PROJECT TEAM



DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES:

- Christina Huber, PE, Project Manager
- David Post, Surface Transportation Planning Manager
- Shawn Gardner, Anchorage Area Planning



R&M CONSULTANTS, INC:

- Tim Grier, PE, Project Manager
- Marc Frutiger, PE, PTOE, Engineer Lead
- Van Le, AICP, Stakeholder Coordinator/CSS Process Lead
- Taryn Oleson-Yelle, AICP, Stakeholder Coordinator



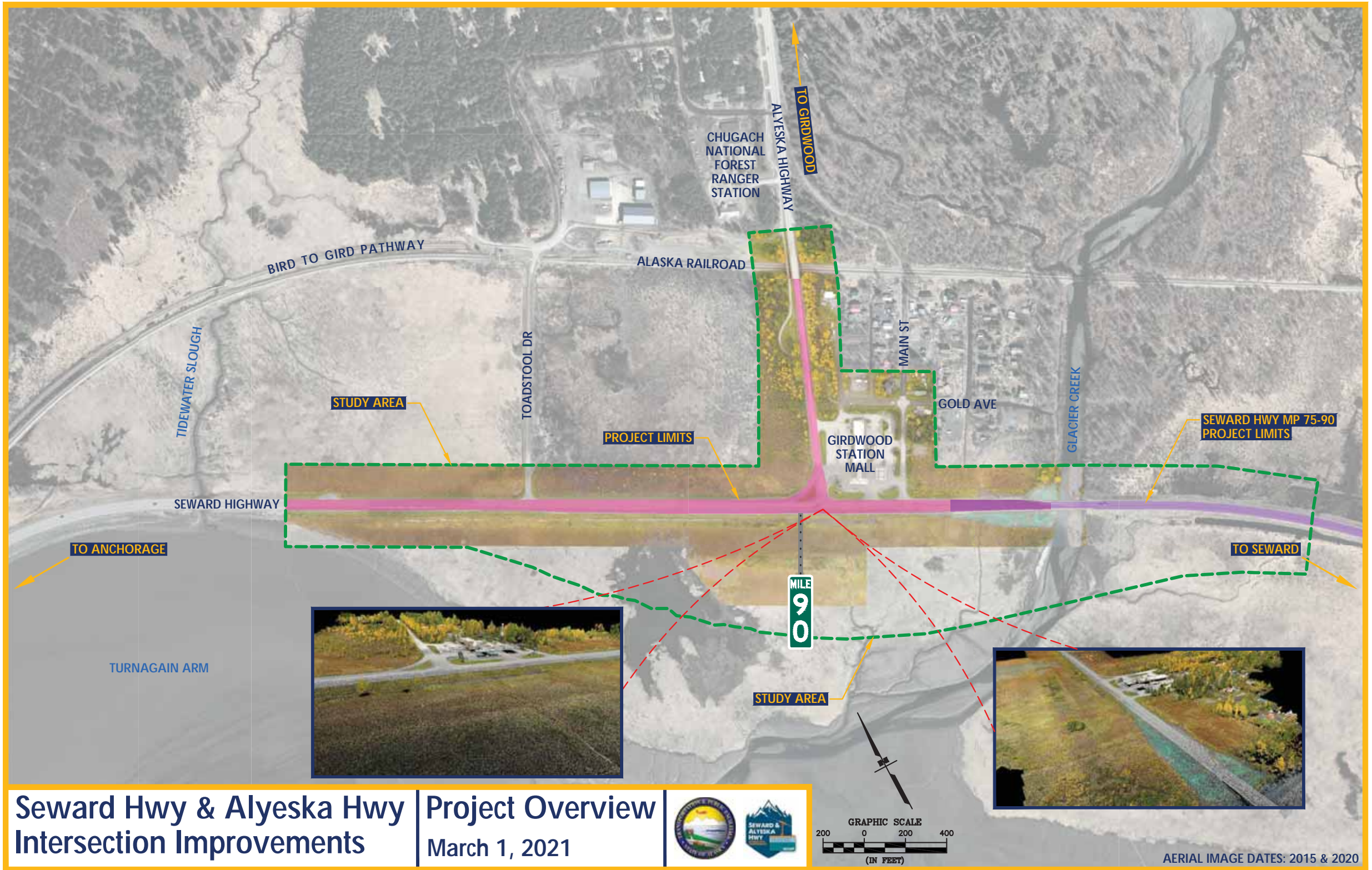
KINNEY ENGINEERING

- Jeanne Bowie, PE, PhD, PTOE, Traffic Engineering Analyst



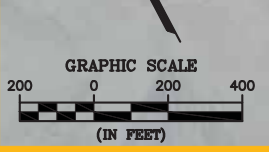
MICHAEL BAKER INTERNATIONAL

- Derek Christianson, PE, Intersection Design Lead



Seward Hwy & Alyeska Hwy Intersection Improvements

Project Overview
March 1, 2021



AERIAL IMAGE DATES: 2015 & 2020

WHAT WE KNOW

EXISTING CONDITIONS & DATA COLLECTED



Traffic data

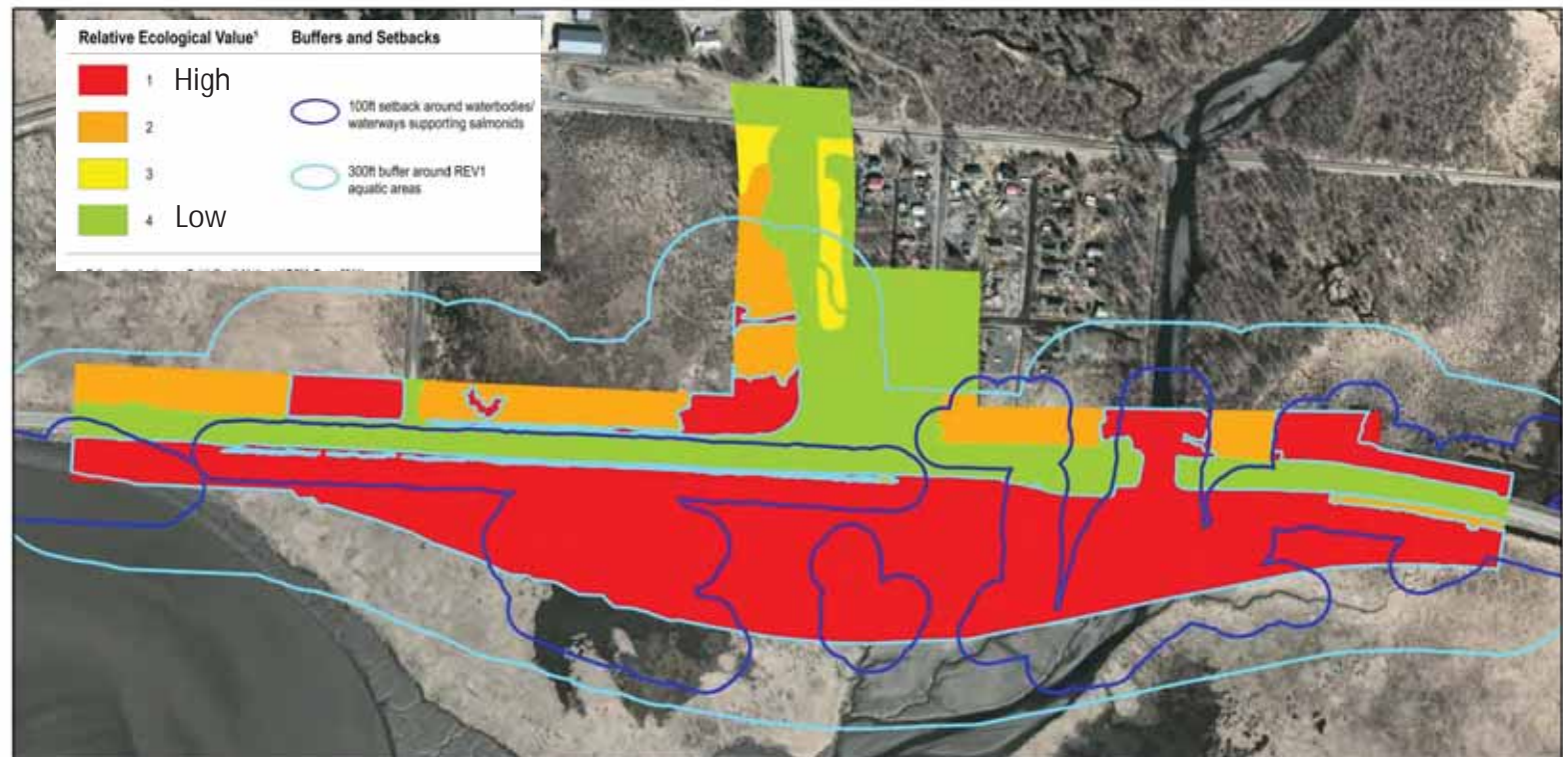
- Crashes:
 - 64% Property Damage only
 - 28% Minor Injury
 - 6% Major Injury
 - 2% Unknown
- Speeds
- Volume
- Turning movements
- Non-motorized

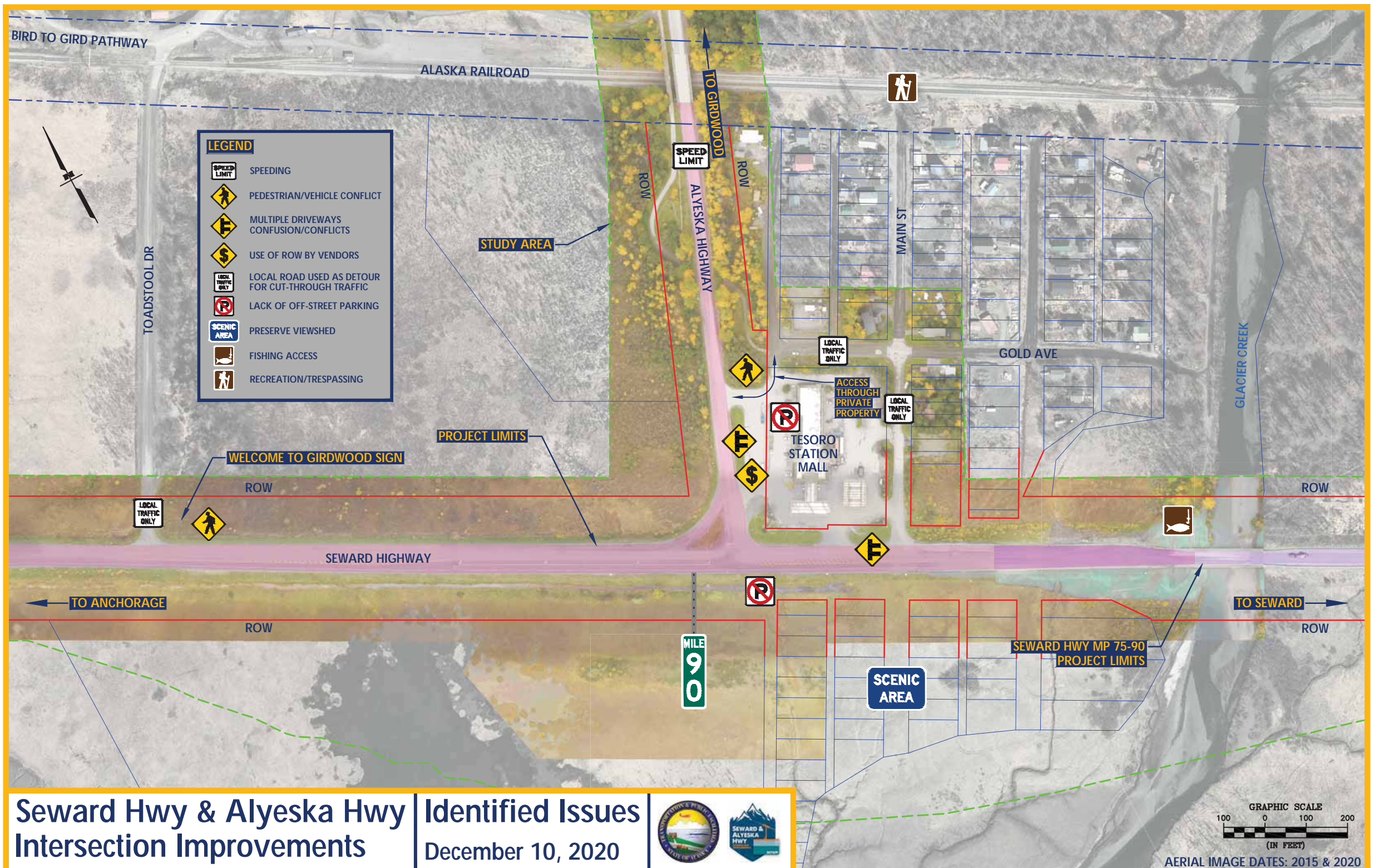
Environmental Constraints

- Wetlands

Topography

- Field survey
- Aerial data acquisition





Seward Hwy & Alyeska Hwy Intersection Improvements

Identified Issues
December 10, 2020



WHAT WE PROPOSE

CONCEPT ALTERNATIVES



1: No Build

2: Signalize Existing

3: Signalize Improved

4: Continuous Flow

5: Continuous Green

6: Grade Separated Intersection
& Future Divided Hwy

7: Trumpet Interchange

8: Roundabout

9: Tight Diamond

10: Frontage Road

11: Diamond









WHAT WE PROPOSE

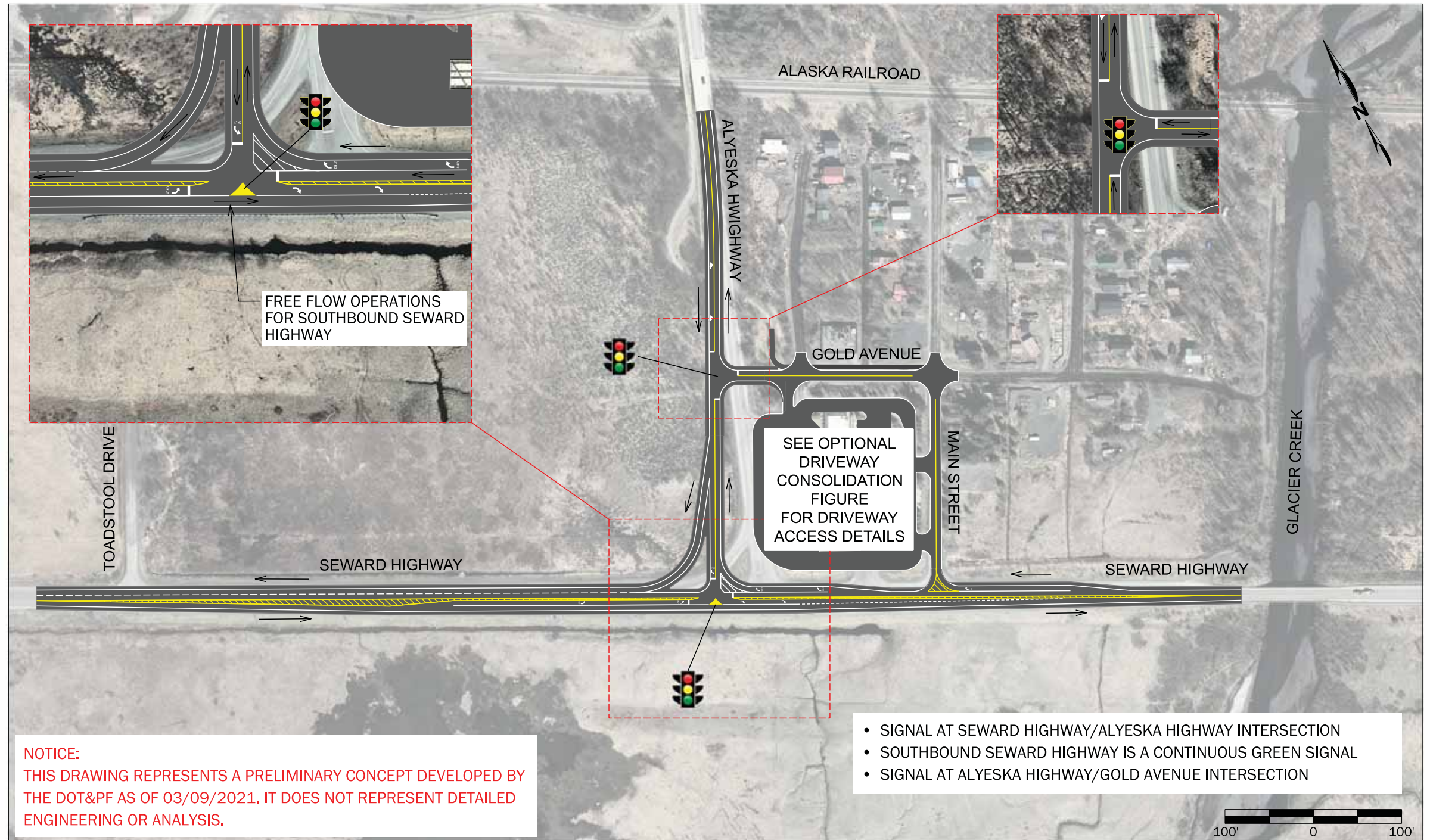
CONCEPT ALTERNATIVES



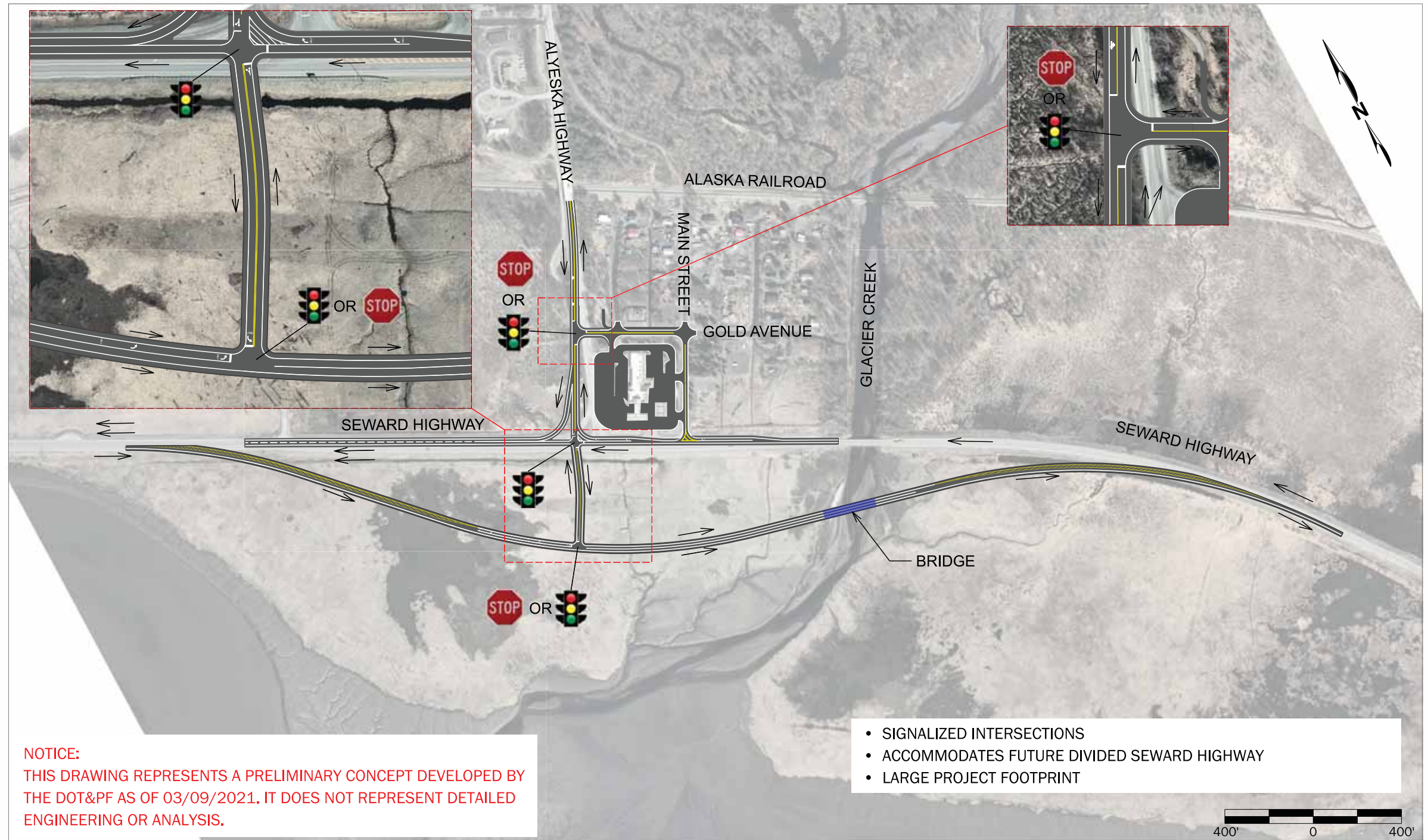
Continuous Flow Example Video:

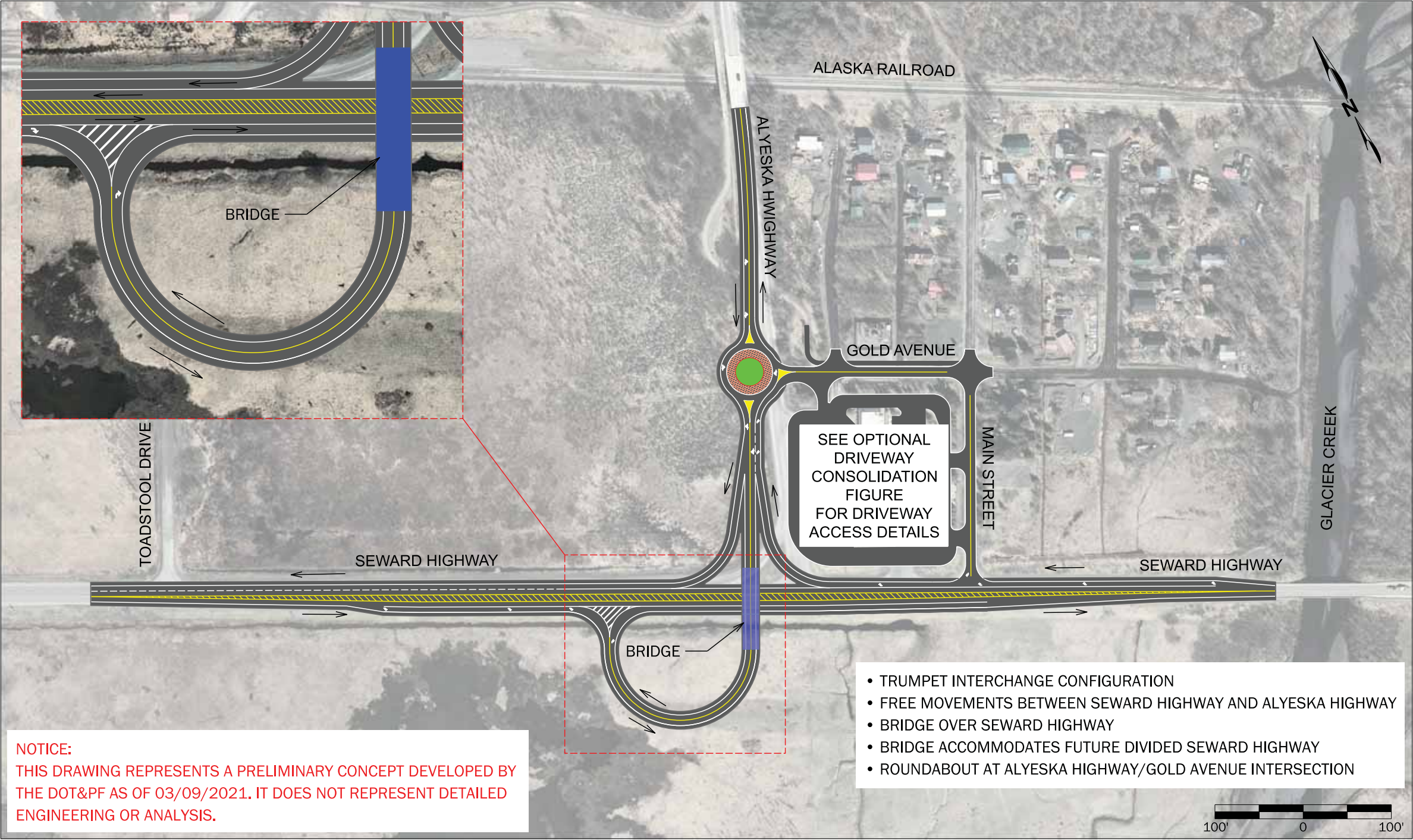


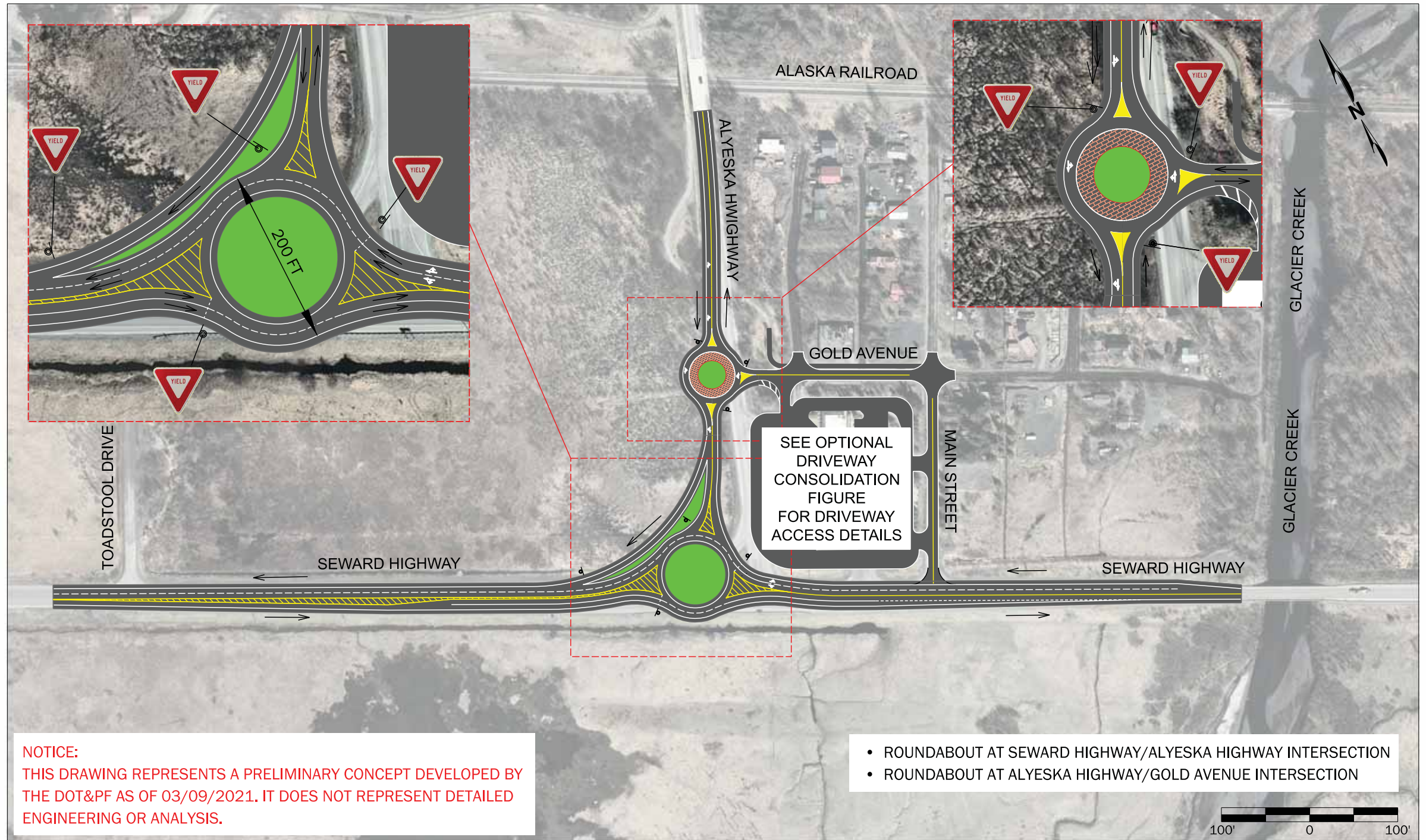
[NCDOT: What is a Continuous Flow Intersection?](#)
[- YouTube](#)

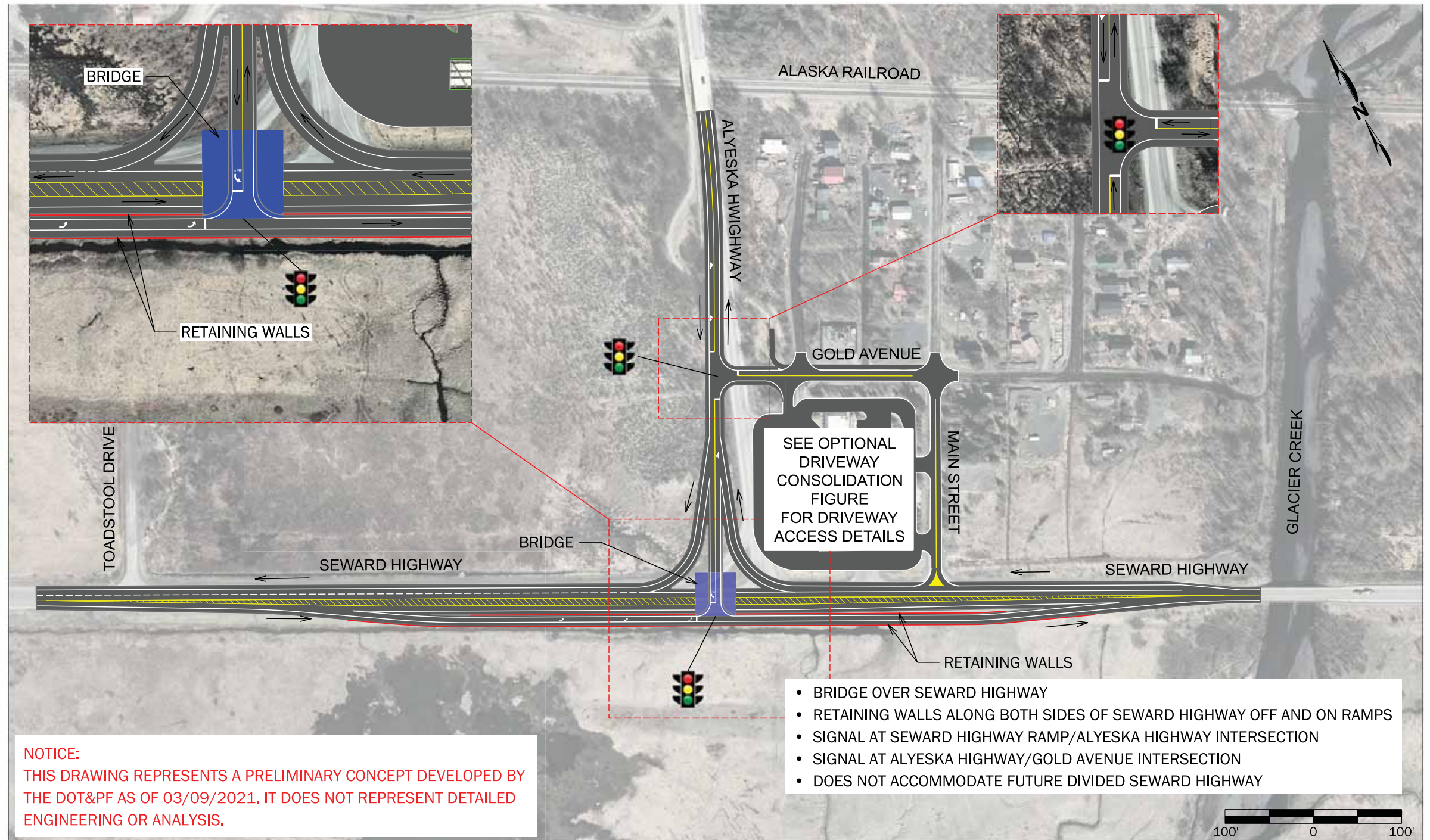


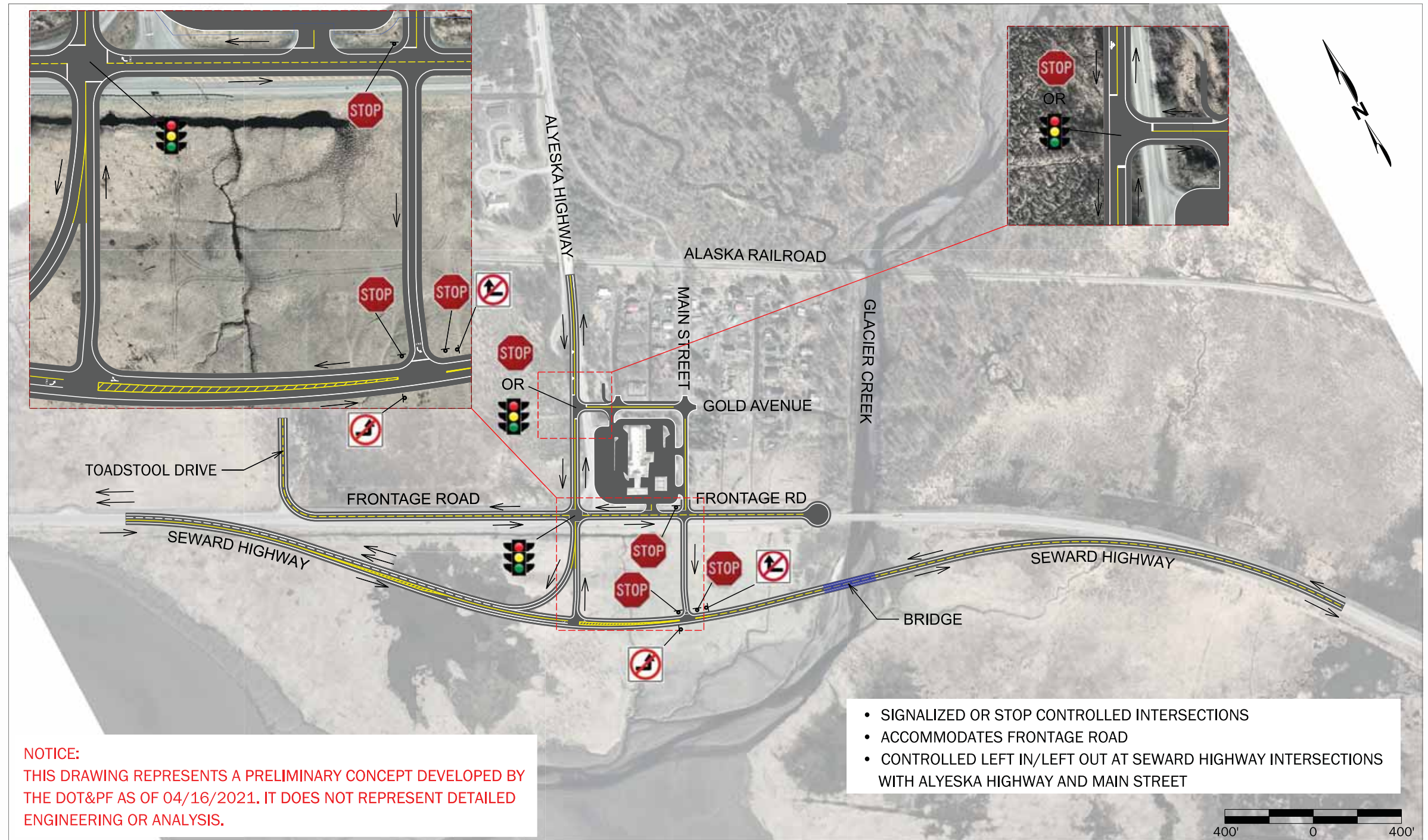
NOTICE:
THIS DRAWING REPRESENTS A PRELIMINARY CONCEPT DEVELOPED BY THE DOT&PF AS OF 03/09/2021. IT DOES NOT REPRESENT DETAILED ENGINEERING OR ANALYSIS.

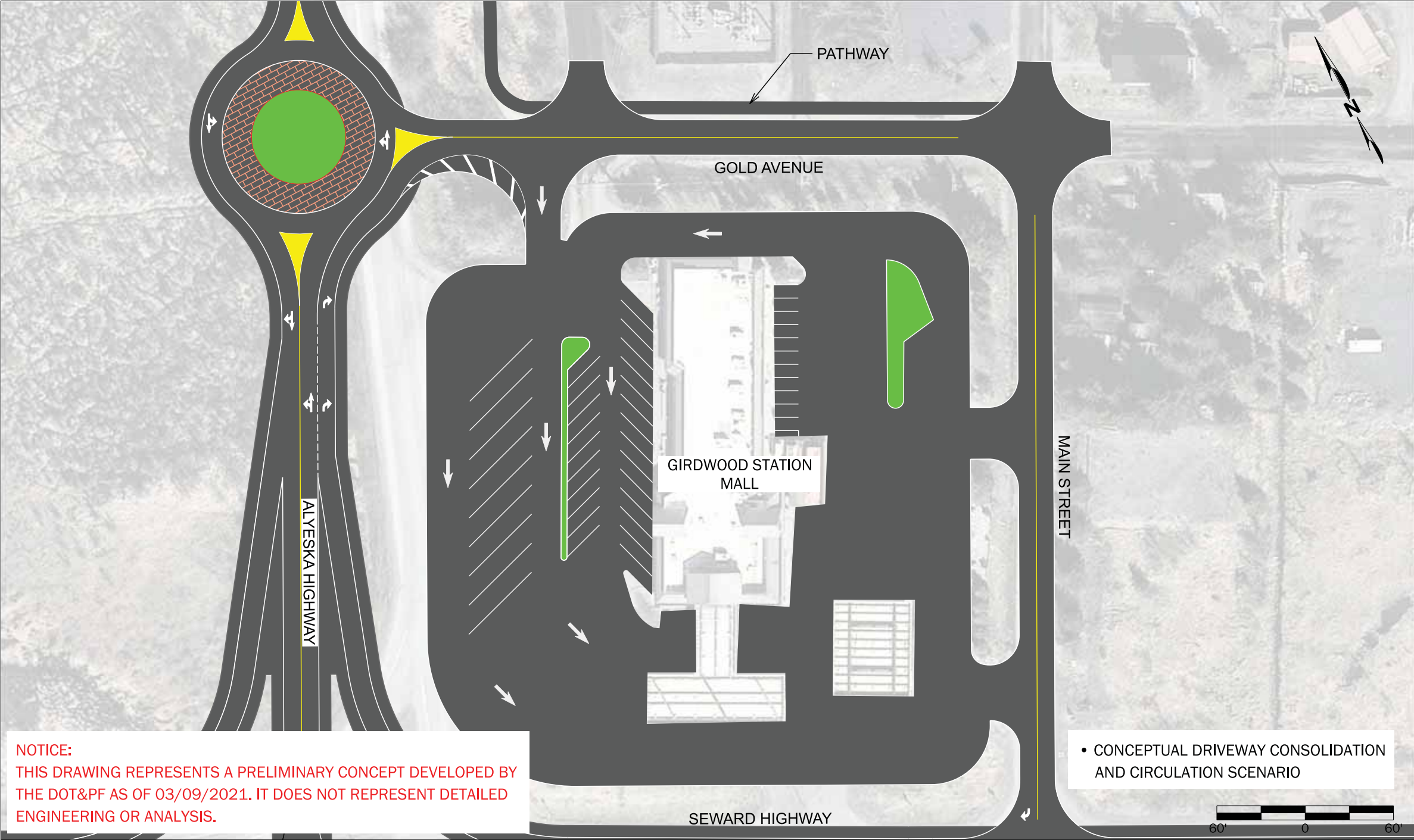












WHAT WE PROPOSE

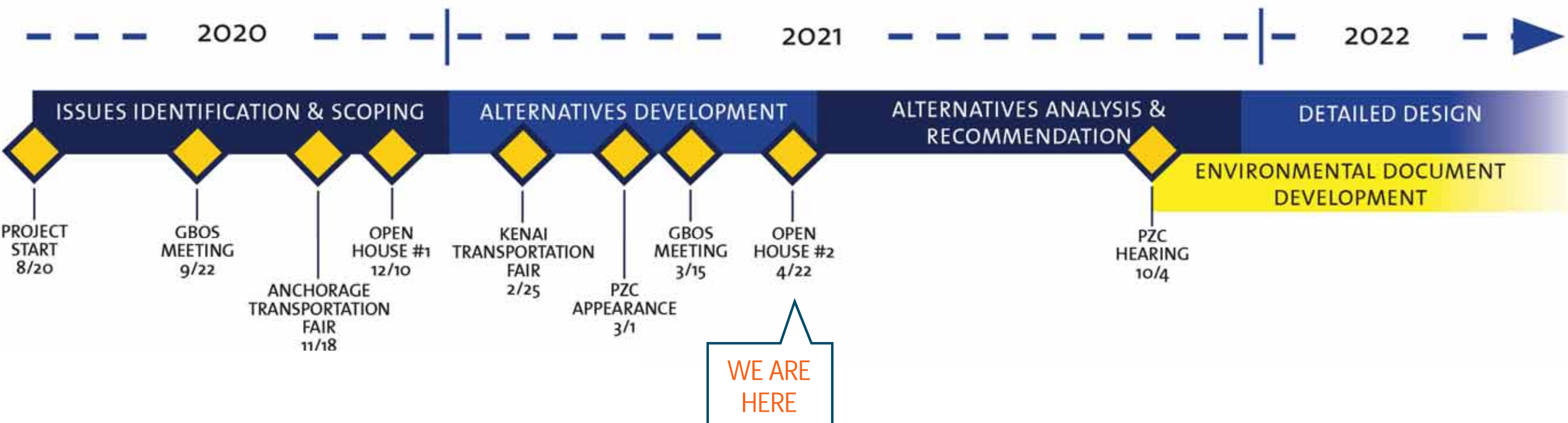
CONCEPT ALTERNATIVE EVALUATION



CRITERIA	ASSESSMENT		
Turning Delay	Minimal	Low to Moderate	Significant
Seward Highway Delay	Minimal	Low to Moderate	Significant
Conflict Point Reduction	Very few conflicts	Fewer	Same as existing
Accommodates Non-Motorized Users	Separated crossing	Controlled crossing	No crossing
Construction - Phasing	Simple	Moderate	Complex
Construction - Duration	Short	Medium	Long
Construction Cost	Low	Medium	High
ROW Impacts	Low	Medium	High
Accommodates future divided highway	Simple	Moderate	Difficult
Truck Accommodation	High	Medium	Low
Maintenance Cost	Low	Medium	High
Project Footprint	Low	Medium	High
Viewshed	Maintains	Somewhat Limits	Limits
Resource Impacts	No/Minimal	Minor to Moderate	Substantial
Meets Purpose and Need	Yes	Somewhat	No

WHERE WE ARE GOING

PROJECT SCHEDULE



QUESTIONS & COMMENTS WELCOME

PROJECT WEBSITE:

www.sewardalYESkahwyintersection.com

CONTACT:

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