

Jewel Lake Road Widening

Strawberry Road to 88th Avenue



INTRODUCTION

The project location is Jewel Lake Road from 88th Avenue to Strawberry Road. The extent of the project is currently a two lane road with a lot of housing, churches, and businesses along the entire length. Since the rear-end collisions and head-on collisions are above the acceptable standards, the Level of Service (LOS) for pedestrians are an F, bus pull-outs are not up to code, and flooding in various areas there is a need for reconstruction in this area.

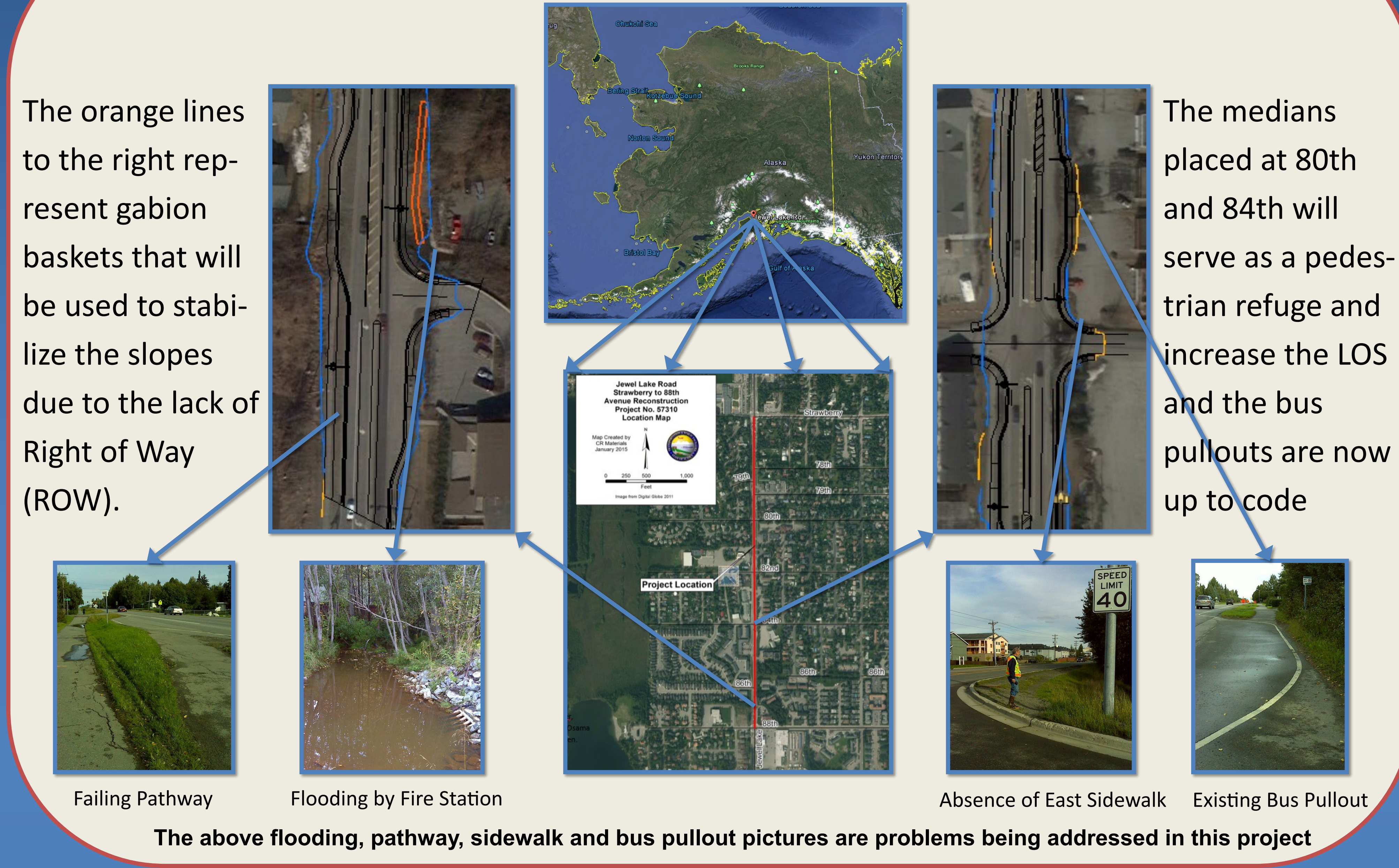


Top Row Left to Right: Dustin Spidel, Jacob Minturn, Michael Hansmeyer, Steven Nuss, Andrew Pavey, David Carlson. Bottom Row Left to Right: Osama Abaza, David Eguires-Lee, Carla Smith, Alexandra Bowles, Daniel Worthen.

OBJECTIVES

- Reduce rear-end and head-on collisions
- Increase the LOS for the pedestrians
- Accommodate bicyclist's in the NB and SB directions
- Reduce flooding throughout the project, most importantly by the fire station
- Submit a 65% Design Plan Set and Design Study Report

PROJECT LOCATION



The orange lines to the right represent gabion baskets that will be used to stabilize the slopes due to the lack of Right of Way (ROW).

The medians placed at 80th and 84th will serve as a pedestrian refuge and increase the LOS and the bus pullouts are now up to code

Failing Pathway Flooding by Fire Station Absence of East Sidewalk Existing Bus Pullout

The above flooding, pathway, sidewalk and bus pullout pictures are problems being addressed in this project

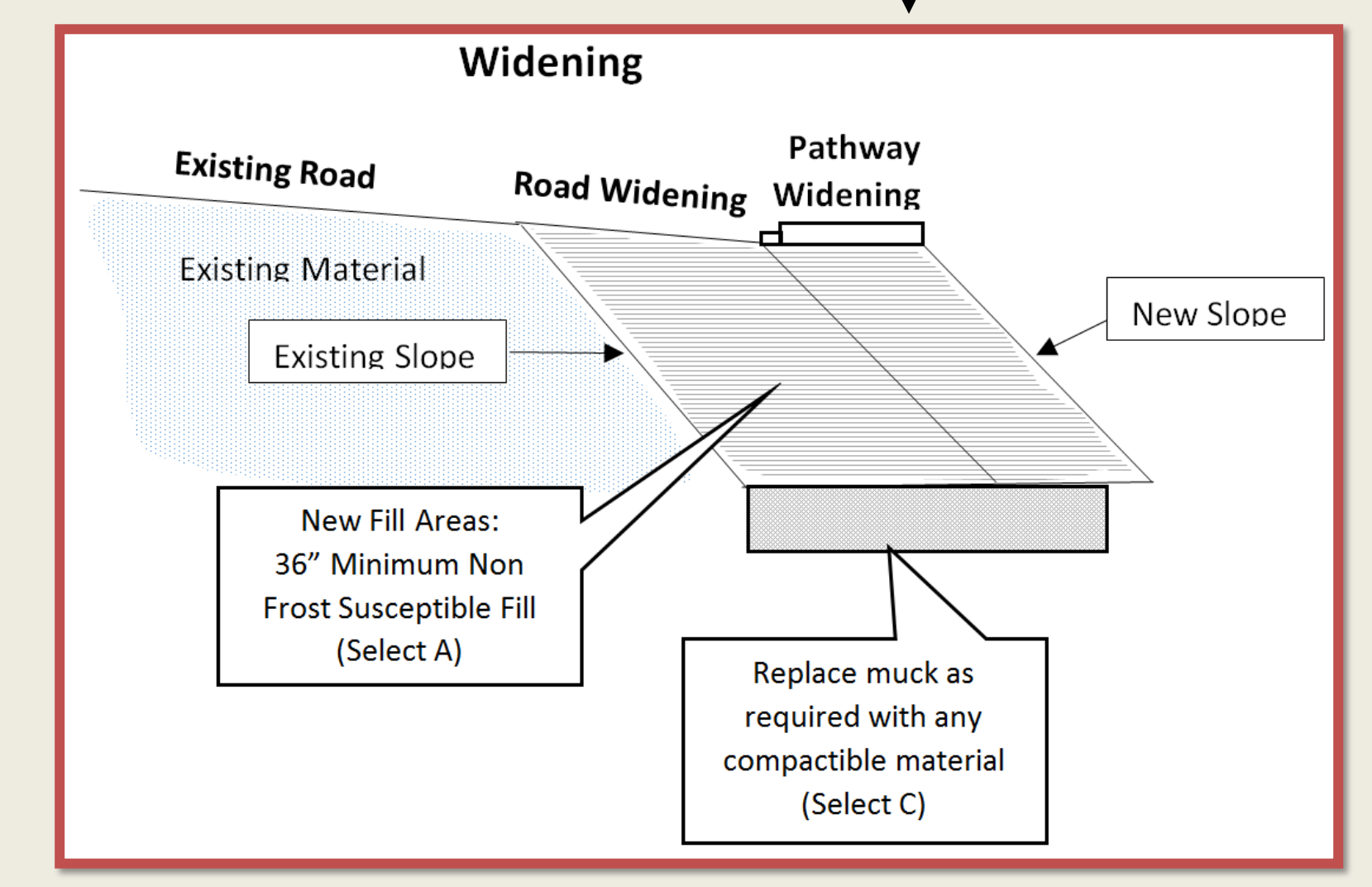
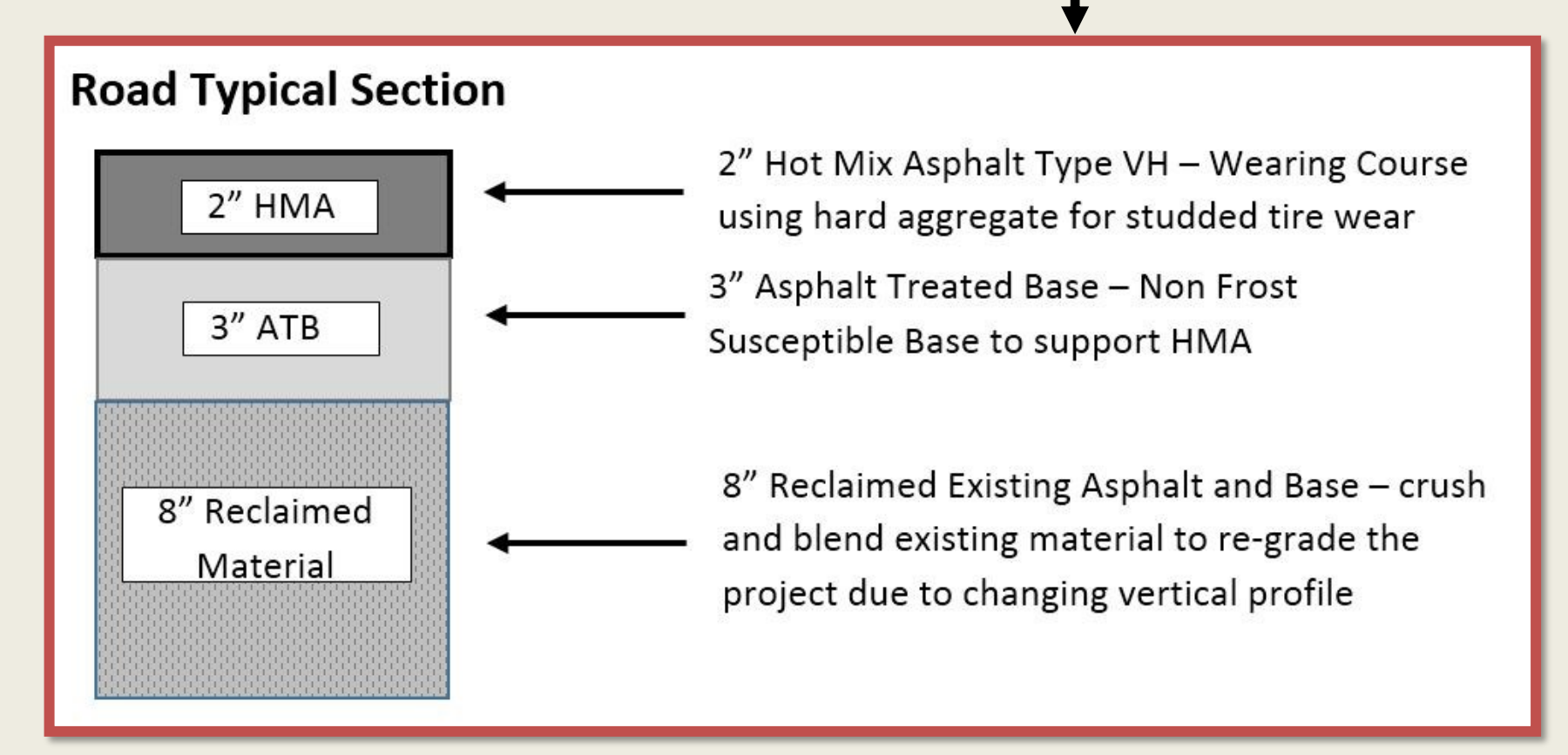
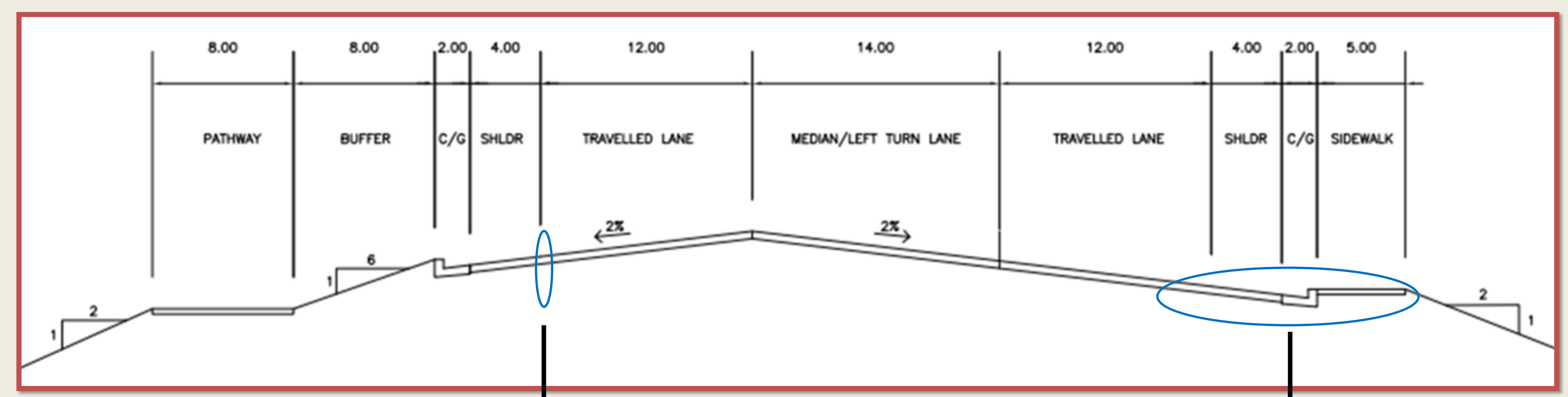
SELECTED DESIGN

The selected design was chosen due to right of way constraints and utility constraints. The selected design has minimal impacts on personal property and utilities while still providing pedestrian pathways and a continuous left hand center turn lane to reduce rear end collisions. See the Typical Cross Section in the middle of the page for an example of the design.

COST ESTIMATE

	COST (\$)
Preliminary Engineering	\$350,000
Utilities & ROW	\$840,000
Storm Drain System	\$1,000,000
Construction	\$9,000,000
TOTAL	\$11,200,000

TYPICAL CROSS SECTION



WEBSITE INFORMATION

For more information about this project please visit our website via the link below or the QR code.

www.alaskadc3.wix.com/seawolfeengineering



SPECIAL THANKS

Carla Smith, Jeanne Bowie, Jim Amundsen and Stephen Nuss for their assistance and support