

WHITNEY ROAD 10% CORRIDOR PLAN

Open House Meeting #1
November 8, 2017



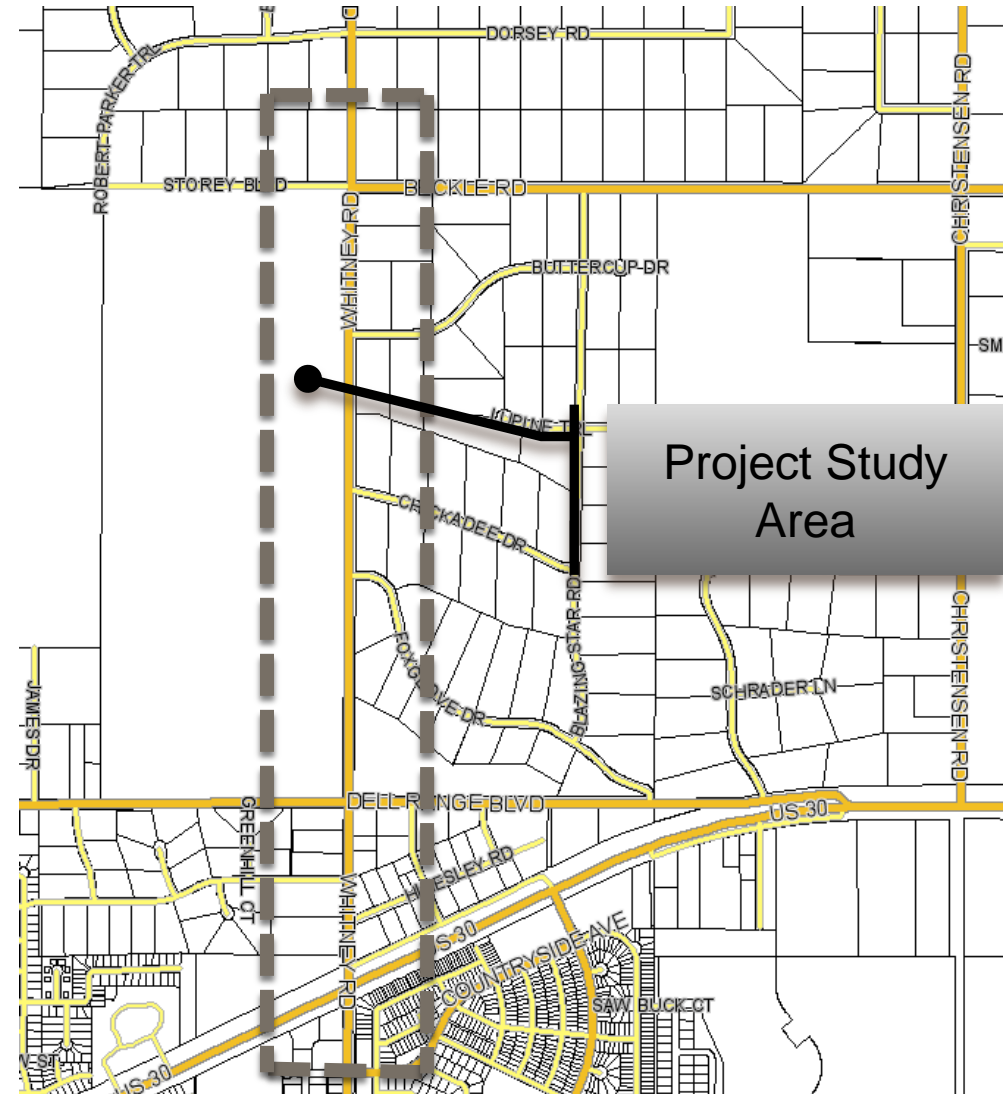
AGENDA

- ✘ Introductions
- ✘ Project Overview
 - + Limits
 - + Purpose and Goals
- ✘ Overall Study Process
- ✘ What to expect (i.e. Schedule)?
- ✘ Identifying the Issues
- ✘ Possible Concept Ideas?
- ✘ Adjourn to Workshop Area

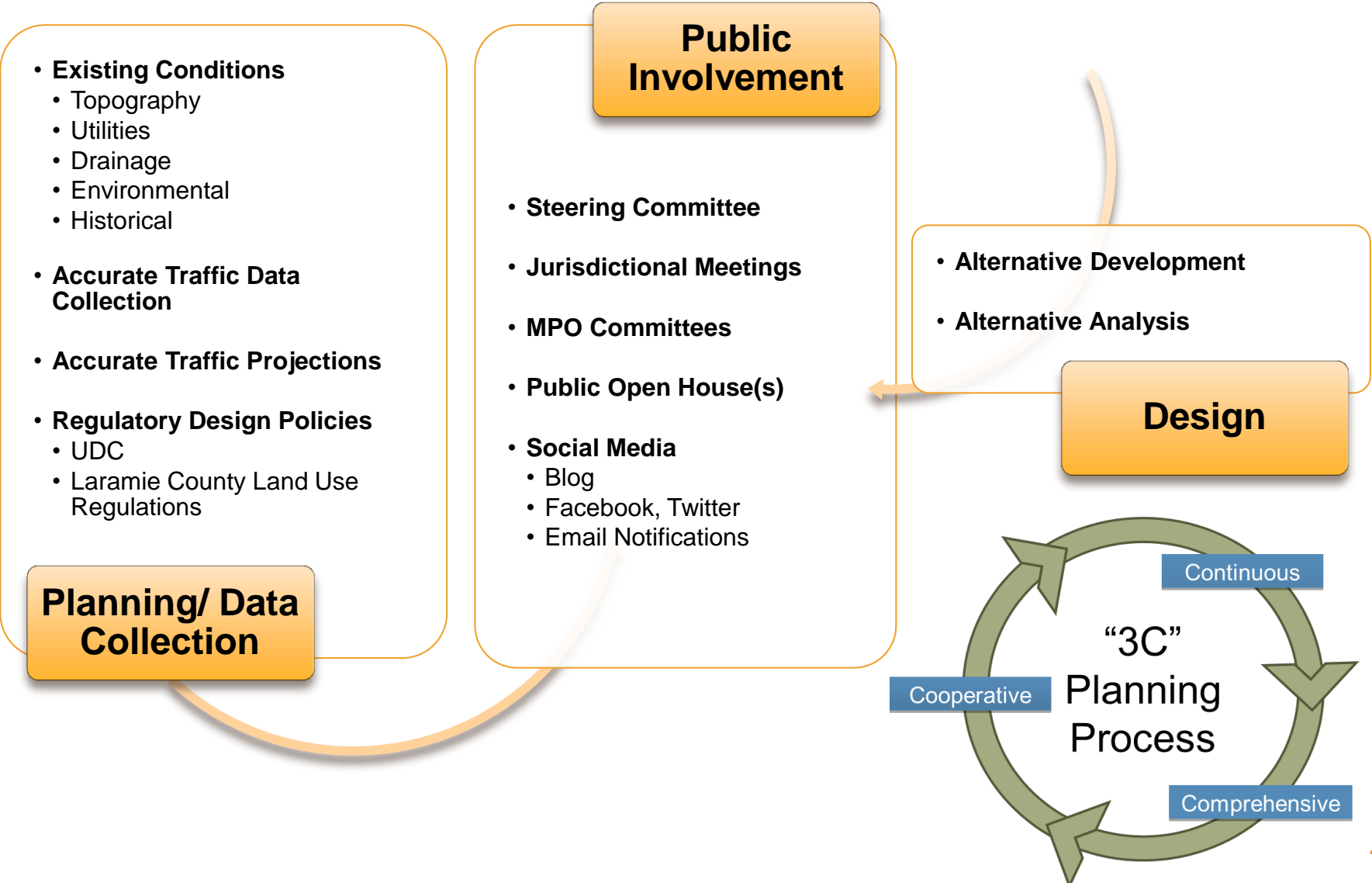


PROJECT OVERVIEW

- ✘ History
 - + Study not Construction
- ✘ Limits
 - + Northern Limit – Storey Blvd./ Beckle Road
 - + Southern Limit – U.S. 30
- ✘ Objective
 - + Create a comprehensive plan which strives to optimize safety, growth, and fiscal responsibility
- ✘ Goals
 - + Understand the community and neighborhood vision for the roadway
 - + Improve roadway and intersection safety and function
 - + Address drainage and snow drifting



OVERALL STUDY PROCESS



WHAT TO EXPECT?

PROJECT MILESTONES	MILESTONE DATES
Notice to Proceed	March 1, 2017
Initial Kickoff Meeting MPO	March 22, 2017
Traffic Counts	April 4, 2017
Steering Committee Meetings	May 9, 2017; December, 2017
Open House/ Public Meeting #1	November 8, 2017
Draft Plan	November – December, 2017
Neighborhood Meeting #2	January, 2018
Submit DRAFT Plan to MPO	January, 2018
Presentation to the Governing Body	March, 2018

IDENTIFYING THE ISSUES?

✘ Utilities

- + Blackhills Energy
- + High West Energy
- + Suncor Energy
- + Plains All American Pipeline System, LLC
- + Qwest/ Century
- + BOPU Water



IDENTIFYING THE ISSUES?

- ✘ Blackhills Energy
 - + Underground natural gas feeding rural subdivisions



- ✘ High West Energy
 - + Overhead Electric



IDENTIFYING THE ISSUES?

✘ BOPU

- + Underground water and sewer mains
- + Fire Hydrant



✘ Century Link

- + Underground communication lines

IDENTIFYING THE ISSUES?

- ✘ Petroleum Pipelines
 - + Suncor Energy
 - ✘ 12.75" Steel Crude Line
 - ✘ 2' to 5' deep (East Side)
 - + Plains All American Pipeline System, LLC
 - ✘ 16" Steel Crude
 - ✘ 4'-3" to 14'-5" (West Side)



IDENTIFYING THE ISSUES?

- ✘ Pavement Condition
- ✘ Narrow width
- ✘ Visibility of Approach to main roadway



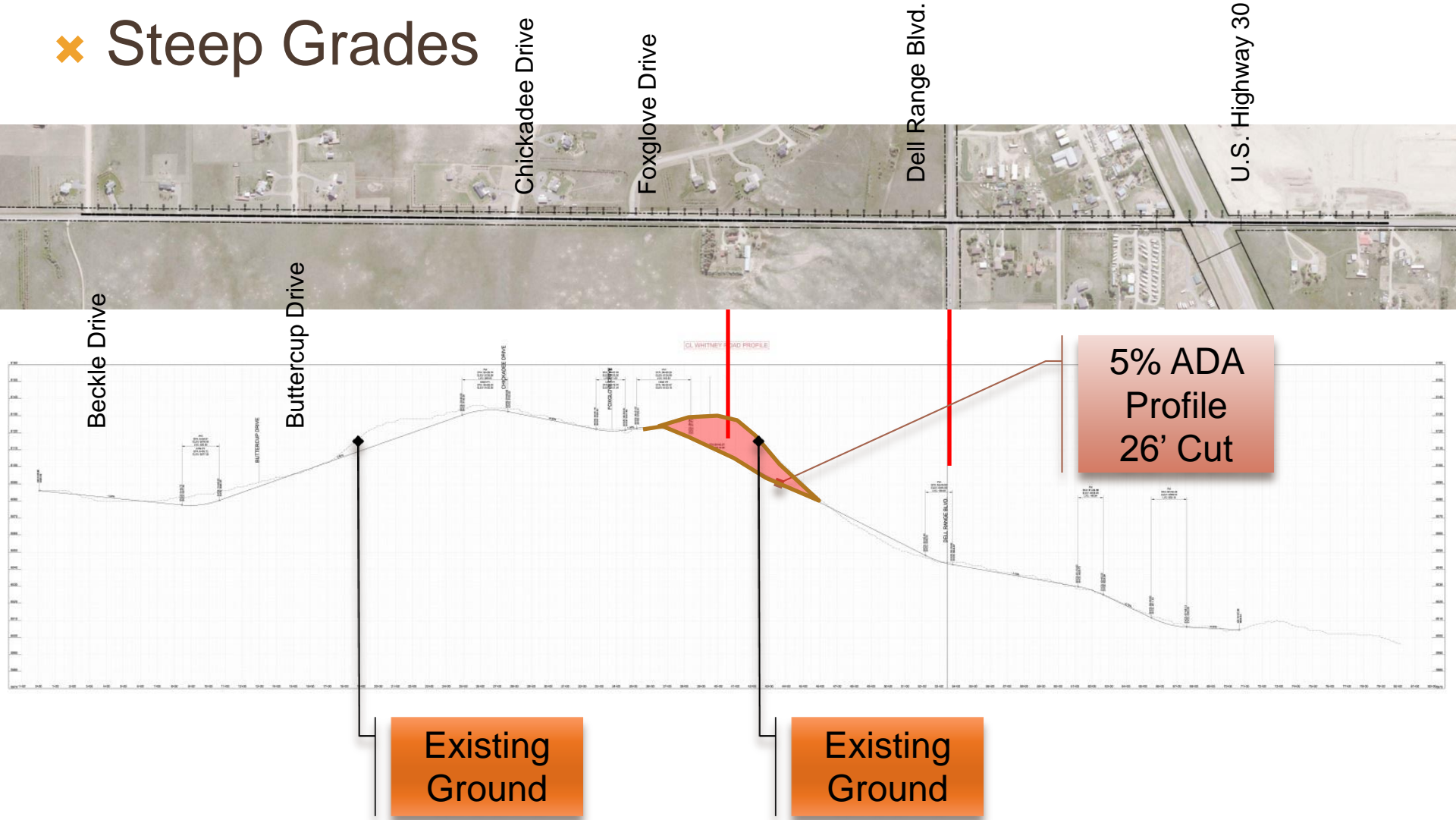
IDENTIFYING THE ISSUES?

✘ Drainage



IDENTIFYING THE ISSUES?

✘ Steep Grades

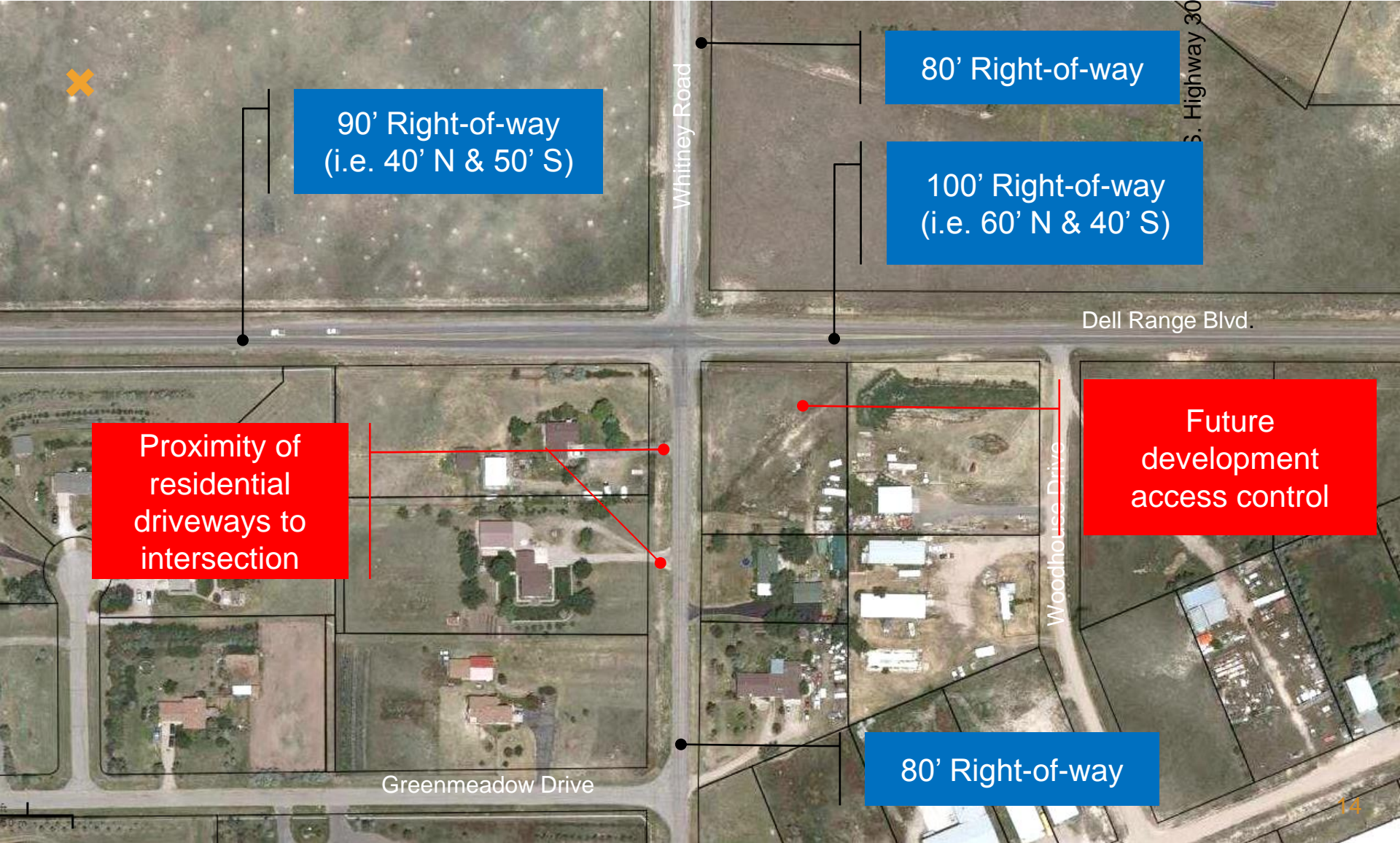


CONSTRAINTS AND OPPORTUNITIES

- ✘ Blowing and Drifting Snow
 - + Snow removal costs
 - + Accidents
 - + Property damage
 - + Pavement maintenance



IDENTIFYING THE ISSUES?



90' Right-of-way
(i.e. 40' N & 50' S)

80' Right-of-way

100' Right-of-way
(i.e. 60' N & 40' S)

Proximity of residential driveways to intersection

Future development access control

80' Right-of-way

Whitney Road

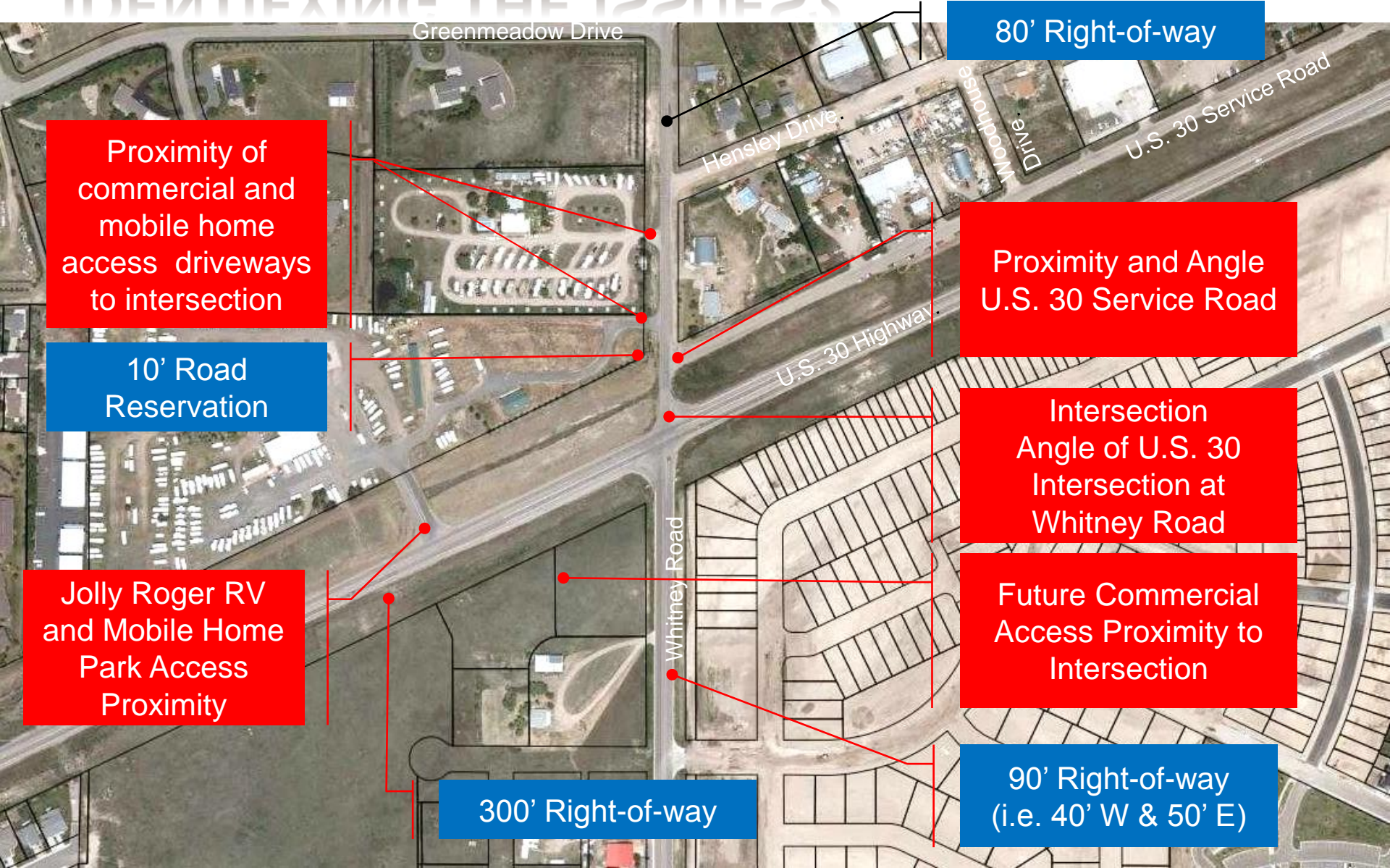
S. Highway 30

Dell Range Blvd.

Woodhouse Drive

Greenmeadow Drive

IDENTIFYING THE ISSUES?



80' Right-of-way

Proximity of commercial and mobile home access driveways to intersection

10' Road Reservation

Proximity and Angle U.S. 30 Service Road

Intersection Angle of U.S. 30 Intersection at Whitney Road

Jolly Roger RV and Mobile Home Park Access Proximity

Future Commercial Access Proximity to Intersection

300' Right-of-way

90' Right-of-way (i.e. 40' W & 50' E)

IDENTIFYING THE ISSUES?

✘ Intersection Crash Data (January, 2014 to September, 2017)

Whitney Road / US 30	
Type	Number
Angle	5
Rear End	3
Fixed Object	3
Total	11
Rate	0.88

Whitney Road / Dell Range Boulevard	
Type	Number
Angle	5
Rear End	0
Fixed Object	0
Total	5
Rate	0.50

Whitney Road / Beckle Road	
Type	Number
Angle	0
Rear End	1
Fixed Object	0
Total	1
Rate	0.33

Crash rates are expressed in crashes per million entering vehicles.

Severity

Property Damage	9
Injury	2
Fatality	0
Total	11

Property Damage	3
Injury	1
Fatality	1
Total	5

Property Damage	1
Injury	0
Fatality	0
Total	1

Cause

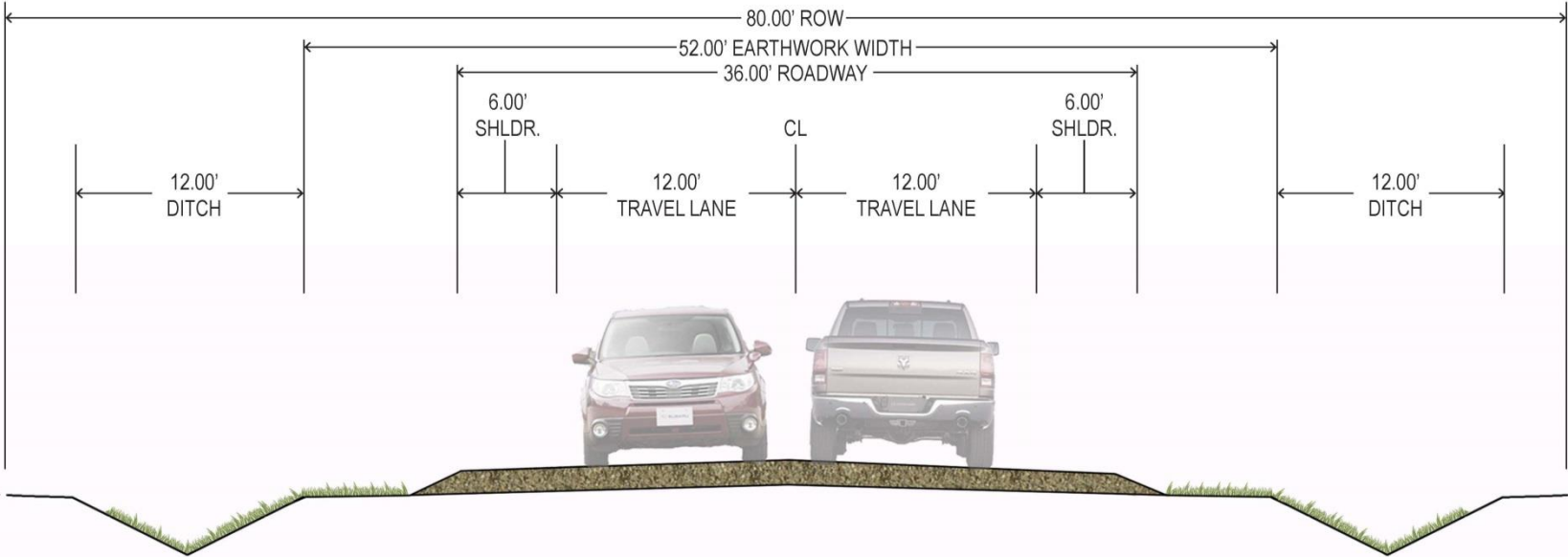
Failure to Yield ROW	5
Following too Closely	2
Speeding	1
Drove too Fast for Conditions	3
Total	11

Failure to Yield ROW	5
Following too Closely	0
Speeding	0
Drove too Fast for Conditions	0
Total	5

Failure to Yield ROW	0
Following too Closely	1
Speeding	0
Drove too Fast for Conditions	0
Total	1

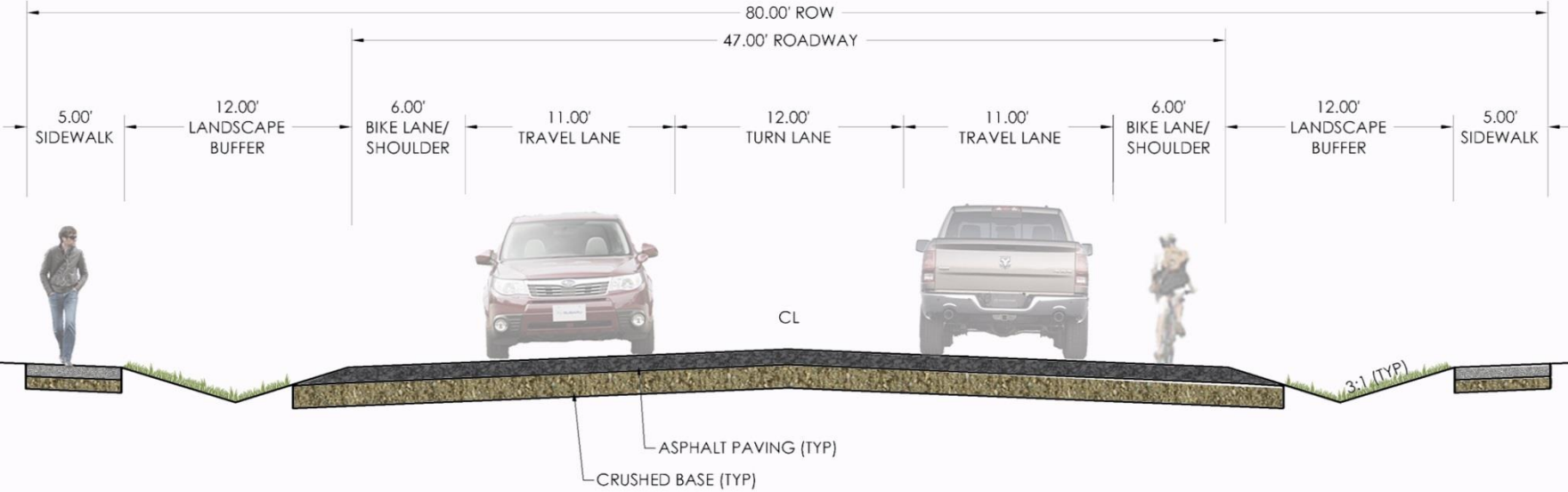
POSSIBLE CONCEPT IDEAS

✘ Rural Typical Section 2 - Lane



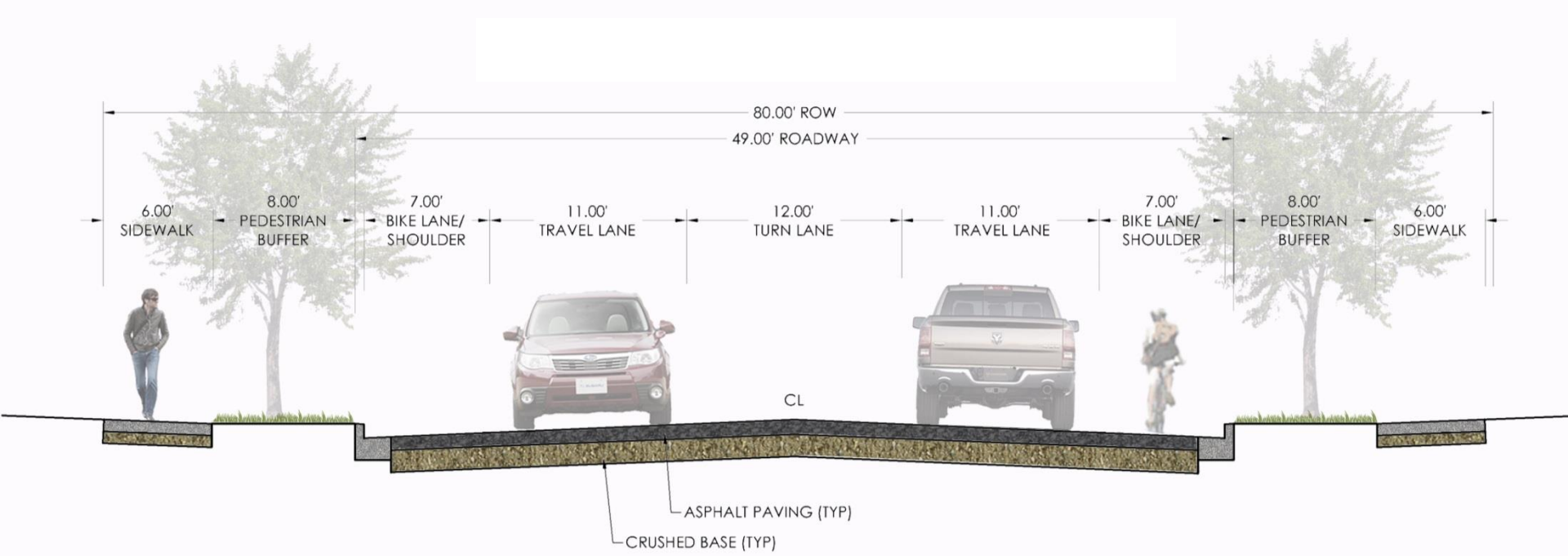
POSSIBLE CONCEPT IDEAS

✘ Rural Typical Section 3 - Lane



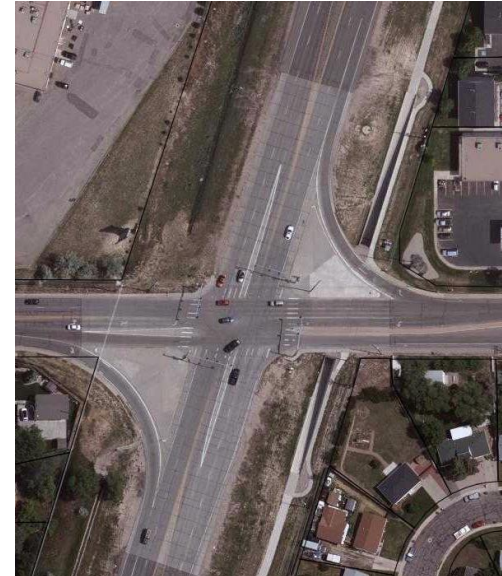
POSSIBLE CONCEPT IDEAS

✘ Urban Typical Section 3 - Lane



POSSIBLE CONCEPTS

- ✘ Standard 4 leg Intersection
 - + Plain
 - ✘ Marked w/ Right-turn Lanes
 - ✘ Marked w/ Left-turn Lanes
 - ✘ Channelized Islands
- ✘ Roundabouts
 - + 1 Lane
 - + 2 Lane



WORK SHOP STATION AREAS

- ✘ Two (2) identical Work Station Tables
 - + Overall corridor aerial layout
 - + Existing and conceptual street sections
 - + Existing Traffic Conditions layout
- ✘ Comment card area
- ✘ Refreshment area

ADJOURN TO THE WORKSHOP AREAS

Beckle Road

Project Study Area

Table 1
(Dell Range to Beckle Road/
Storey)

Dell Range Blvd.

Table 2
(Dell Range to U.S. 30)

U.S. 30

