

# WHITNEY ROAD 10% CORRIDOR PLAN



Open House Meeting #1  
November 8, 2017




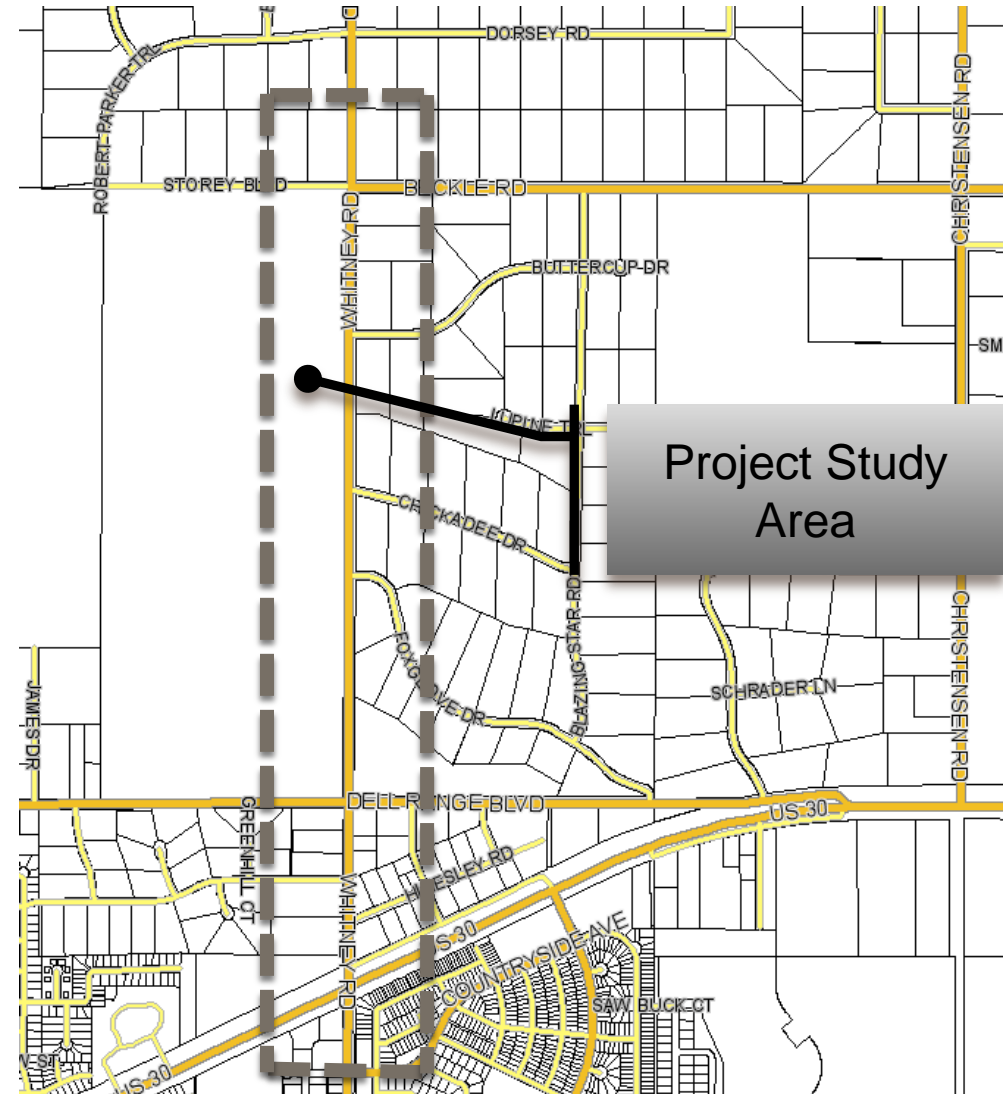
# AGENDA

- ✖ 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

## • Existing Conditions

- Topography
- Utilities
- Drainage
- Environmental
- Historical

## • Accurate Traffic Data Collection

## • Accurate Traffic Projections

## • Regulatory Design Policies

- UDC
- Laramie County Land Use Regulations

## Planning/ Data Collection

## Public Involvement


### • Steering Committee

### • Jurisdictional Meetings

### • MPO Committees

### • Public Open House(s)

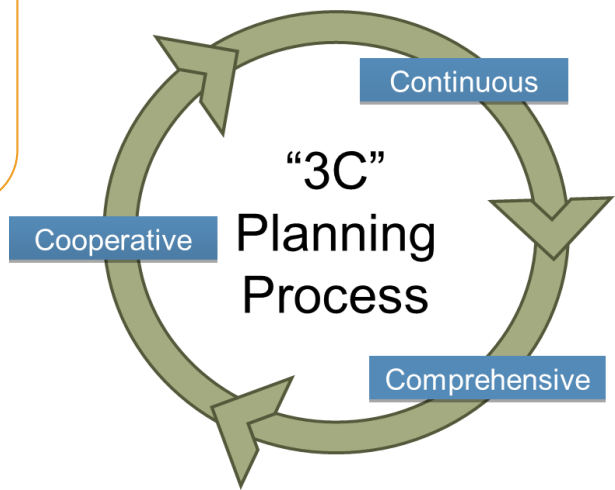
### • Social Media

- Blog
- Facebook, ~~Twitter~~ 
- Email Notifications

### • Alternative Development

### • Alternative Analysis

## Design



# WHAT TO EXPECT?

PROJECT MILESTONES	MILESTONE DATES
<b>Notice to Proceed</b>	<b>March 1, 2017</b>
<b>Initial Kickoff Meeting MPO</b>	<b>March 22, 2017</b>
<b>Traffic Counts</b>	<b>April 4, 2017</b>
<b>Steering Committee Meetings</b>	<b>May 9, 2017;</b> December, 2017
<b>Open House/ Public Meeting #1</b>	<b>November 8, 2017</b>
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?

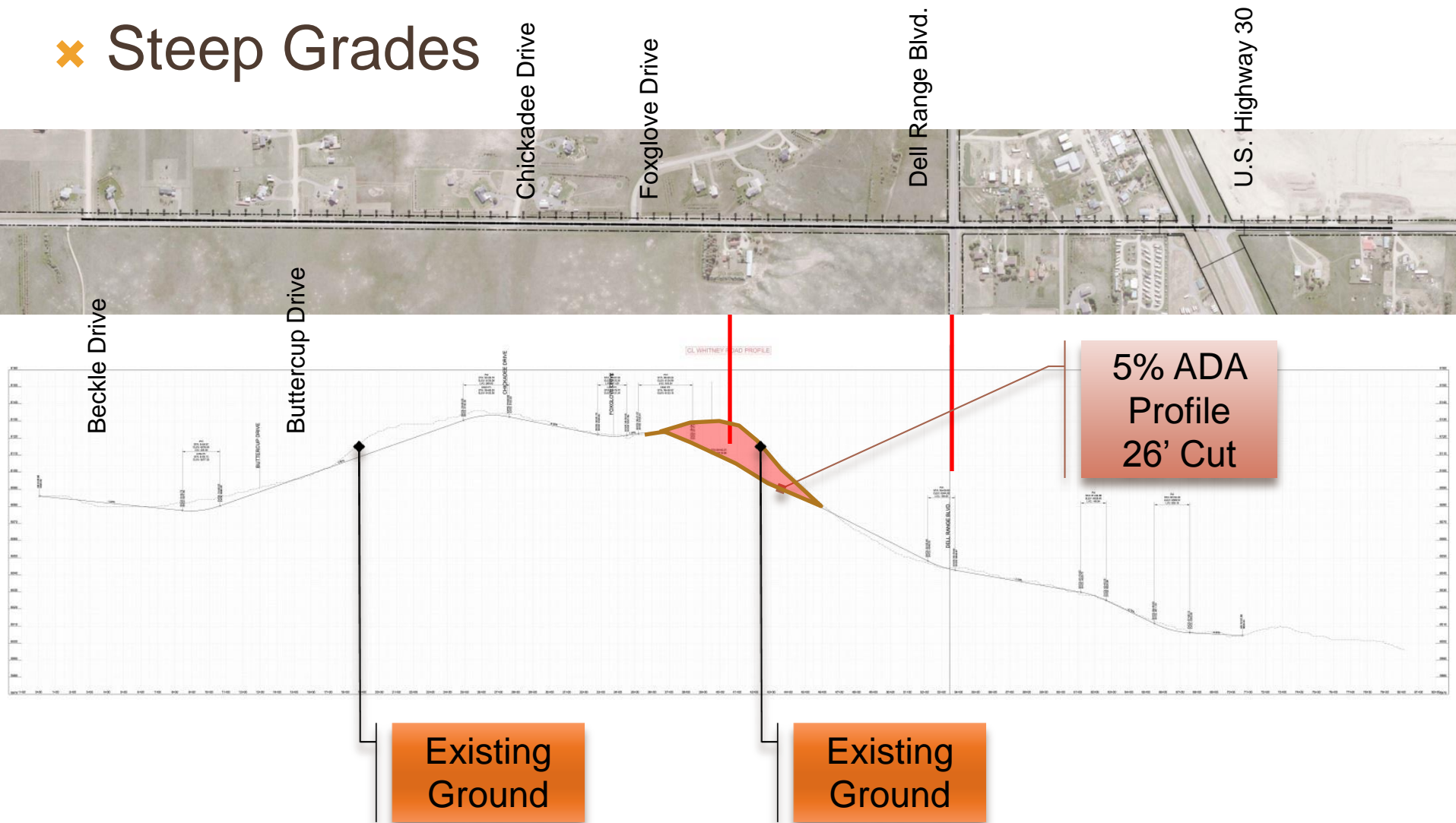
## ✖ Drainage





# IDENTIFYING THE ISSUES?

## ✖ Steep Grades

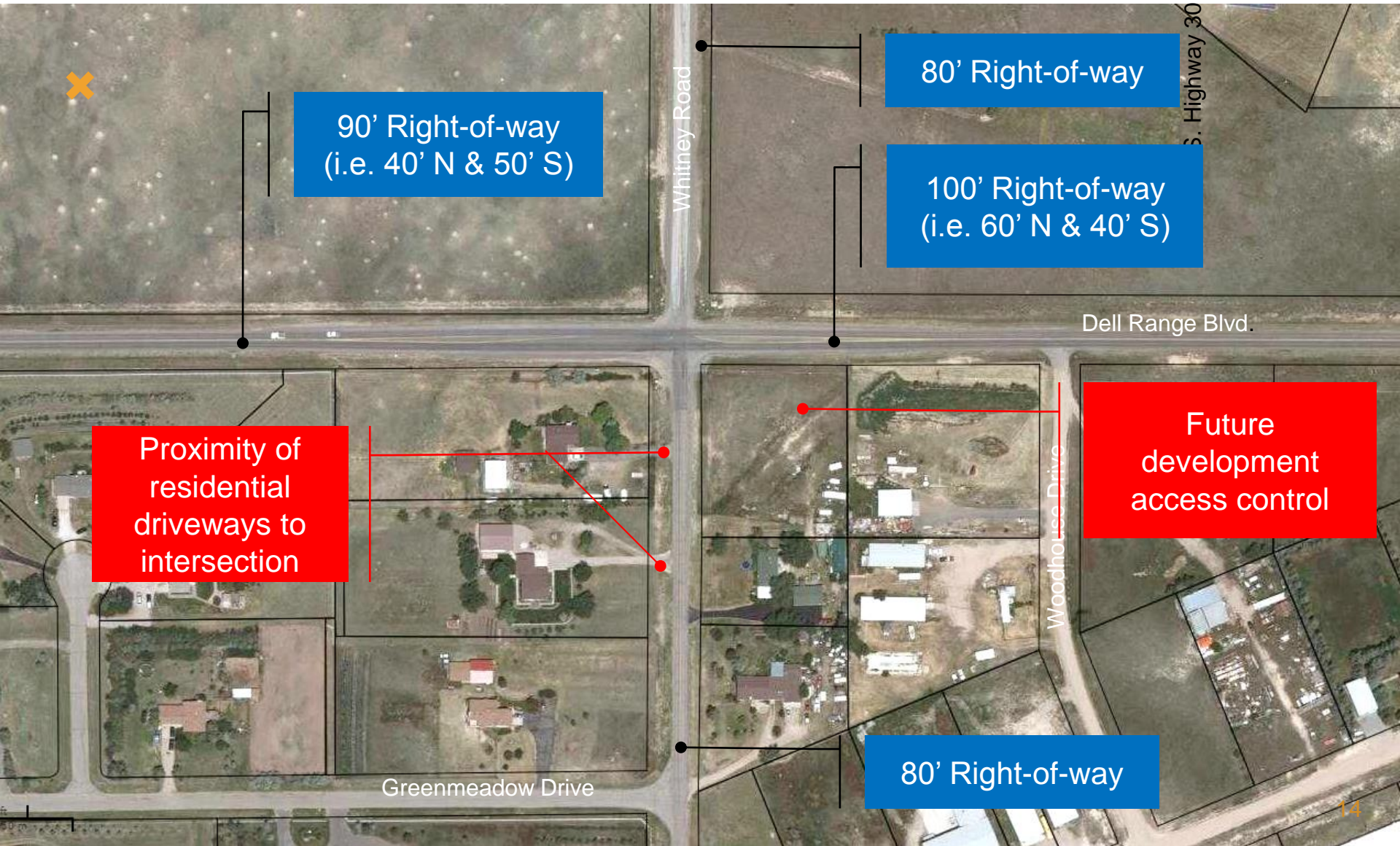


# CONSTRAINTS AND OPPORTUNITIES

- ✖ 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)

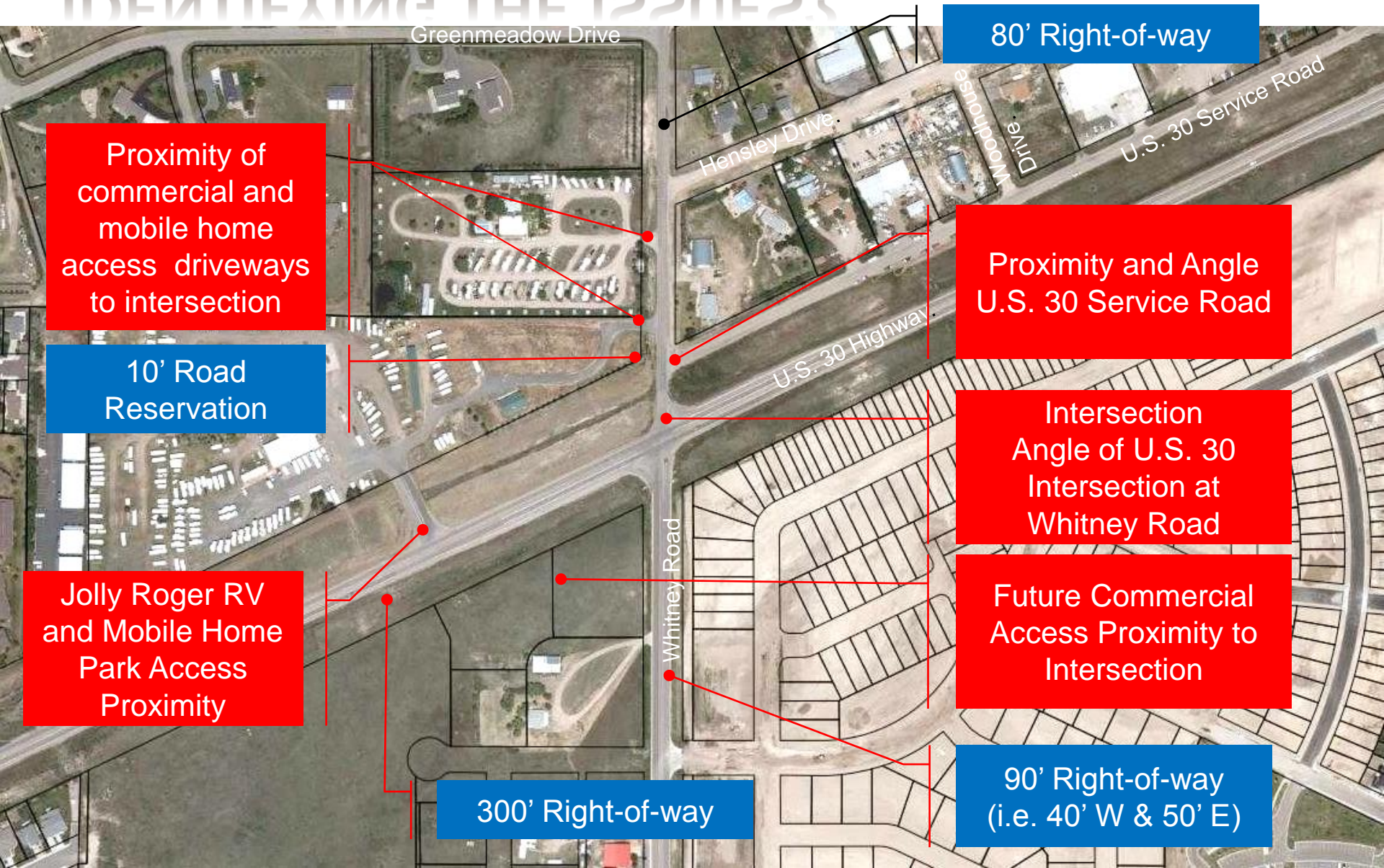
Proximity of  
residential  
driveways to  
intersection

Future  
development  
access control

80' Right-of-way



# 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
<b>Total</b>	<b>11</b>
<b>Rate</b>	<b>0.88</b>

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

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

Crash rates are expressed in crashes per million entering vehicles.

### Severity

Property Damage	9
Injury	2
Fatality	0
<b>Total</b>	<b>11</b>

Property Damage	3
Injury	1
<b>Fatality</b>	<b>1</b>
<b>Total</b>	<b>5</b>

Property Damage	1
Injury	0
Fatality	0
<b>Total</b>	<b>1</b>

### Cause

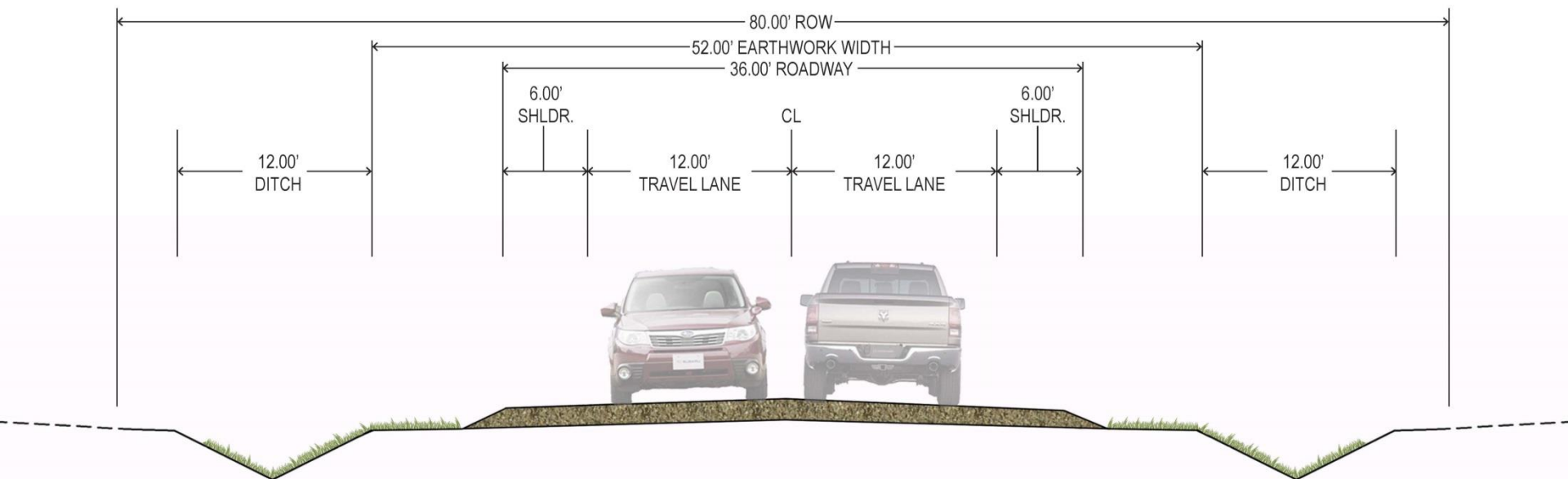
Failure to Yield ROW	5
Following too Closely	2
Speeding	1
Drove too Fast for Conditions	3
<b>Total</b>	<b>11</b>

<b>Failure to Yield ROW</b>	<b>5</b>
Following too Closely	0
Speeding	0
Drove too Fast for Conditions	0
<b>Total</b>	<b>5</b>

Failure to Yield ROW	0
Following too Closely	1
Speeding	0
Drove too Fast for Conditions	0
<b>Total</b>	<b>1</b>

# POSSIBLE CONCEPT IDEAS

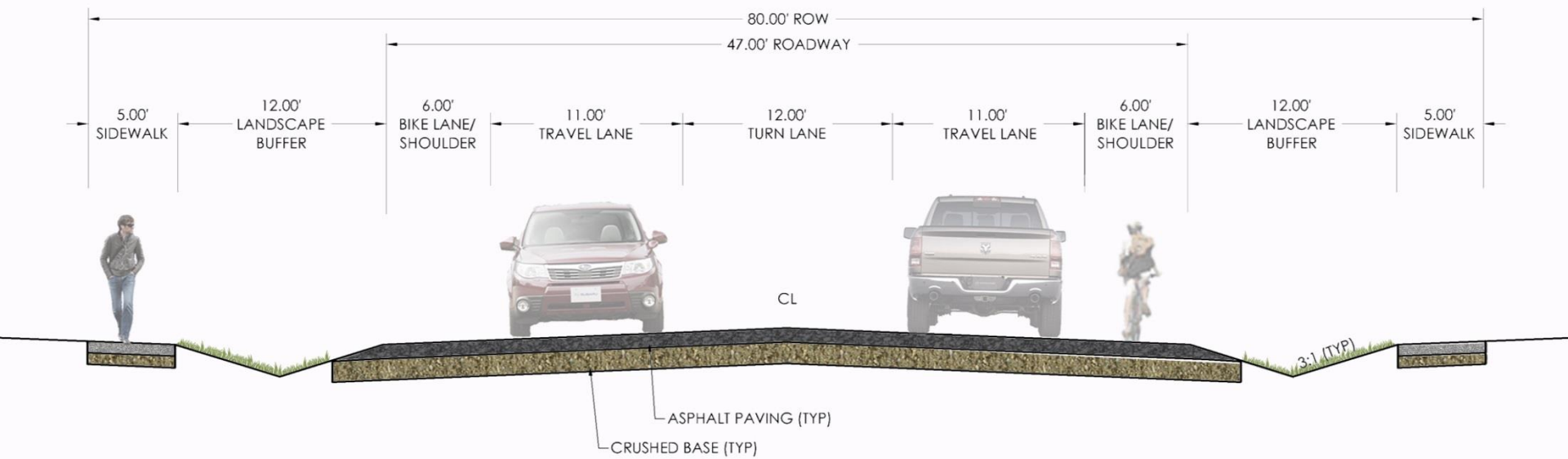
## ✖ Rural Typical Section 2 - Lane





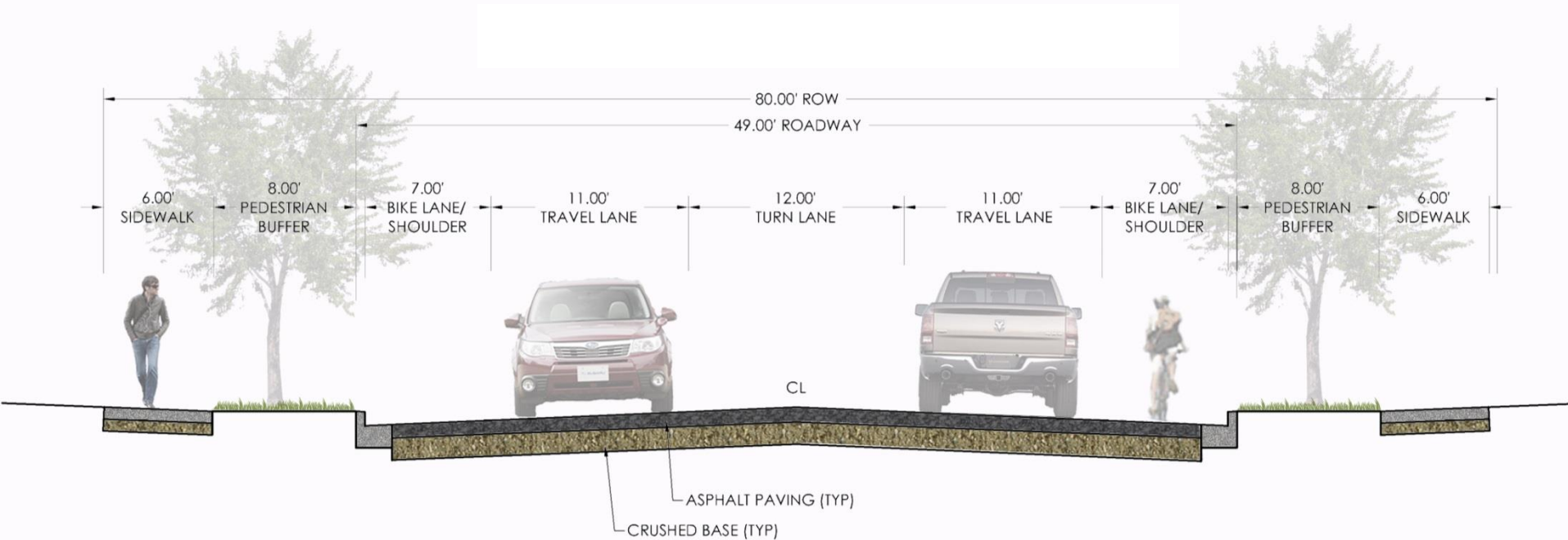
# POSSIBLE CONCEPT IDEAS

## ✖ Rural Typical Section 3 - Lane



# POSSIBLE CONCEPT IDEAS

## ✕ Urban Typical Section 3 - Lane

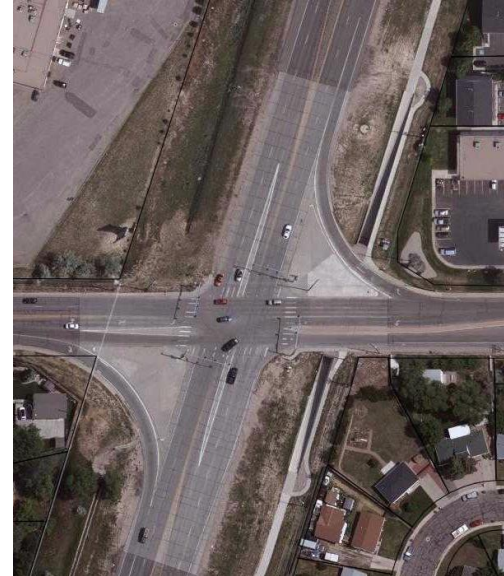


# POSSIBLE CONCEPTS

## ✘ 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

