Regional Context

This board shows the regional context of the project study area. The roadway corridors are bisected by the major roads of College Drive, East Pershing Boulevard, Whitney Road, and Christensen Road.
Public and Stakeholder Engagement

- Concern on maintaining or improving access
- Safety, especially about high speed traffic and crossings
- Specific intersections
  - East Dell Range Boulevard & College Road
  - East Dell Range Boulevard & US 30
  - US 30 & Whitney Road
  - US 30 & Christensen Road
The project study area extends between the City of Cheyenne and Laramie County jurisdictions. This board shows the property zoning for parcels in the study area and highlights the anticipated significant changes to the land-use context of the area.
This board shows which properties are dependent on the study area corridors and therefore will be significantly impacted by access control decisions.
East Dell Range & US 30 Cross Sections

These existing cross sections show the context surrounding corresponding segments of the study area corridors. This context is critical to determining future improvement needs and possibilities.
US 30 Cross Sections

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US 30 Cross Sections

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This board highlights the existing utilities in the study area. Many of these utilities are located within the Dell Range right-of-way, where US 30 is less impacted. The location of utilities will impact the time frame for reconstruction of these corridors as well as the cost.
The study area contains Dry Creek and the associated 100-year floodplain. This board shows how stormwater flows impact the corridor as well as showing future needs. Some locations in the study area will need improved detention facilities as well as possible drainage easements.
Corridor traffic trends show a general increase as you move from east to west along both study corridors. US 30 traffic grows more significantly at specific intersections currently at East Dell Range, Whitney Road, and Pershing Boulevard while Dell Range traffic volumes grow more gradually from the many access points.

Future traffic patterns will be impacted by the improved connectivity on Christensen Road, which will encourage I-80 traffic to spread from only utilizing the College Drive interchange.
Future corridor traffic trends show a similar story as the 2018 traffic, where volumes increase on the roadway moving east to west. Future traffic patterns, however, will be impacted by the improved connectivity on Christensen Road, which will encourage I-80 traffic to spread from only utilizing the College Drive interchange.
Crash Analysis

This board shows that the crash patterns for the study area are comparable to the national average for much of the corridors with the exception of US 30 between College and Pershing and Dell Range between College and Gysel.

<table>
<thead>
<tr>
<th>SEGMENT</th>
<th>CRASH RATE (PER MILLION MILES TRAVELED)</th>
<th>LOSS</th>
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<tbody>
<tr>
<td>Dell Range from Ridge to James</td>
<td>0.25</td>
<td>I</td>
</tr>
<tr>
<td>Dell Range from James to US 30</td>
<td>0.72</td>
<td>II</td>
</tr>
<tr>
<td>US 30 from College to Pershing</td>
<td>4.84</td>
<td>IV</td>
</tr>
<tr>
<td>US 30 from Pershing to Westedt</td>
<td>0.85</td>
<td>II</td>
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</table>

Crash rate calculation: # crashes*1 million/segment length*#years*ADT*365
Only the bus stops located on the project corridor were modeled for walkshed. These walksheds show the stop locations on Dell Range are accessible to residents on both north and south sides of the road. The walkshed for the bus stop located on the north side of US 30 shows less access to residential properties and more limited street network.
The walksheds for schools near the project study area show that US 30 is within a reasonable distance for walking or biking. This indicates that US 30 should have well defined crossing areas for children and pedestrians.
Vision, Goals, and Success Measures

The vision for the East Dell Range and US 30 corridors is to maintain accessibility and the character of the area, while improving safety and transportation choices.

Goals and Success Measures

Maintain accessibility to downtown Cheyenne and Interstate 80

**SUCCESS MEASURES**

- Complete the connection of Christensen Road to the south
- Complete the extension of Storey Boulevard to the east
- Complete the extension of Four Mile Road to the east
- Maintain a roadway level of service of D or better

Preserve the character of the existing area surrounding East Dell Range Boulevard and US 30

**SUCCESS MEASURES**

- Maintain the width of the existing ROW or widen if appropriate for East Dell Range Boulevard and US 30
- Support operations of existing businesses along US 30

Improve safety of for all users

**SUCCESS MEASURES**

- Decrease the crash rate on East Dell Range Boulevard and US 30
- Add designated pedestrian crossings on East Dell Range Boulevard
- Increase the number of children walking and bicycling to Dildine Elementary School and Saddle Ridge Elementary School
- Increase the comfort of drivers turning onto US 30

Provide additional transportation choices

**SUCCESS MEASURES**

- Add bicycle facilities along East Dell Range Boulevard
- Widen sidewalks along East Dell Range Boulevard
- Improve integration of the transit stop and the pedestrian and bicycle infrastructure along East Dell Range Boulevard and US 30
- Introduce a buffer between pedestrians and vehicles
- Allow for the increase of people walking and bicycling along East Dell Range Boulevard and US 30
Initial Concepts

- Extend 2nd eastbound lane through intersection at College and Dell Range (Near term)
- Improve Van Buren Intersection with Signal or Roundabout
- Remove 3rd service road, Van Buren to Polk
- Construct US 30 to 3-lanes east of Christensen
- Improve Intersection between Pershing and Whitney (Van Buren or Hayes). Limit unsignalized intersection to 3/4 movements
- Introduce Roundabout at US 30, Archer, and I-80 Service Road
- Introduce a Roundabout at US 30, Archer, and I-80 Service Road

US 30 Cross Section Option 2: 5-lane section from Pershing to Christensen, keeping access roads after Polk

Widen Dell Range to 3-lanes east of Gysel

Construct a raised median with restricted turning movement between College and Pershing
### Schedule

<table>
<thead>
<tr>
<th>Task 1 - Project Management Meetings and Coordination</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
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<tr>
<td>Task 2 - Public Kick-off and Goal Setting</td>
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<td>Task 3 - Data Collection, Mapping, and Conditions/Opportunities Assessment</td>
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- **Summer Break**

**Legend:**
- **Kimley-Horn / AVI**
- **Project Management Steering Committee**
- **Stakeholders / Focus Group Meeting**
- **Community Meeting**
- **Planning Commission / City Council Meeting**