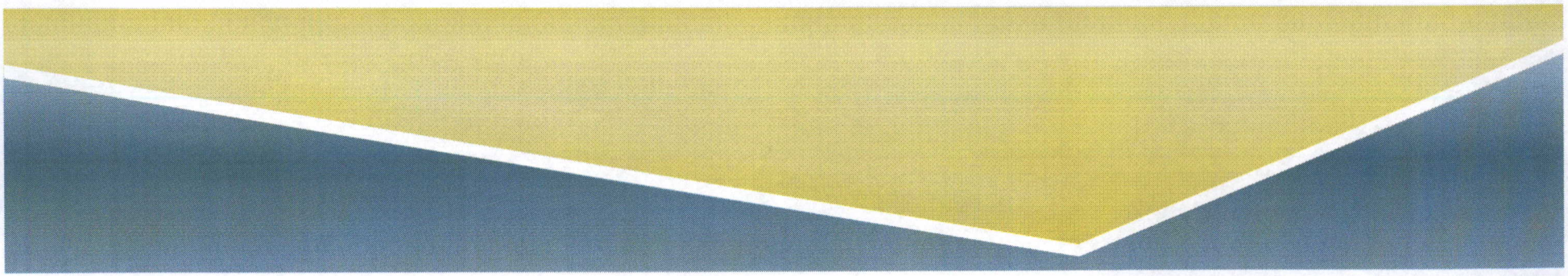
UNITY • PRIDE • PROGRESS
WEST VALLEY CITY, UTAH

4700 South
SAFETY IMPROVEMENTS

SALT LAKE COUNTY
TOWNSHIPS

4700 SOUTH
ENVIRONMENTAL

4000 West to 5600 West



PROJECT OVERVIEW

Project Overview

Process

Schedule

Project Goals

Proposed Improvements

Impacts

Next Steps

- Partnership between Salt Lake County and West Valley City, in cooperation with Taylorsville City and UDOT
- Project limits: 4000 West to 5600 West
- Federal funding: $7.7 million
- Preliminary engineering
- Environmental clearance

PROJECT OVERVIEW

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WORK TO DATE

Project Overview

Improvements

Design

Impacts

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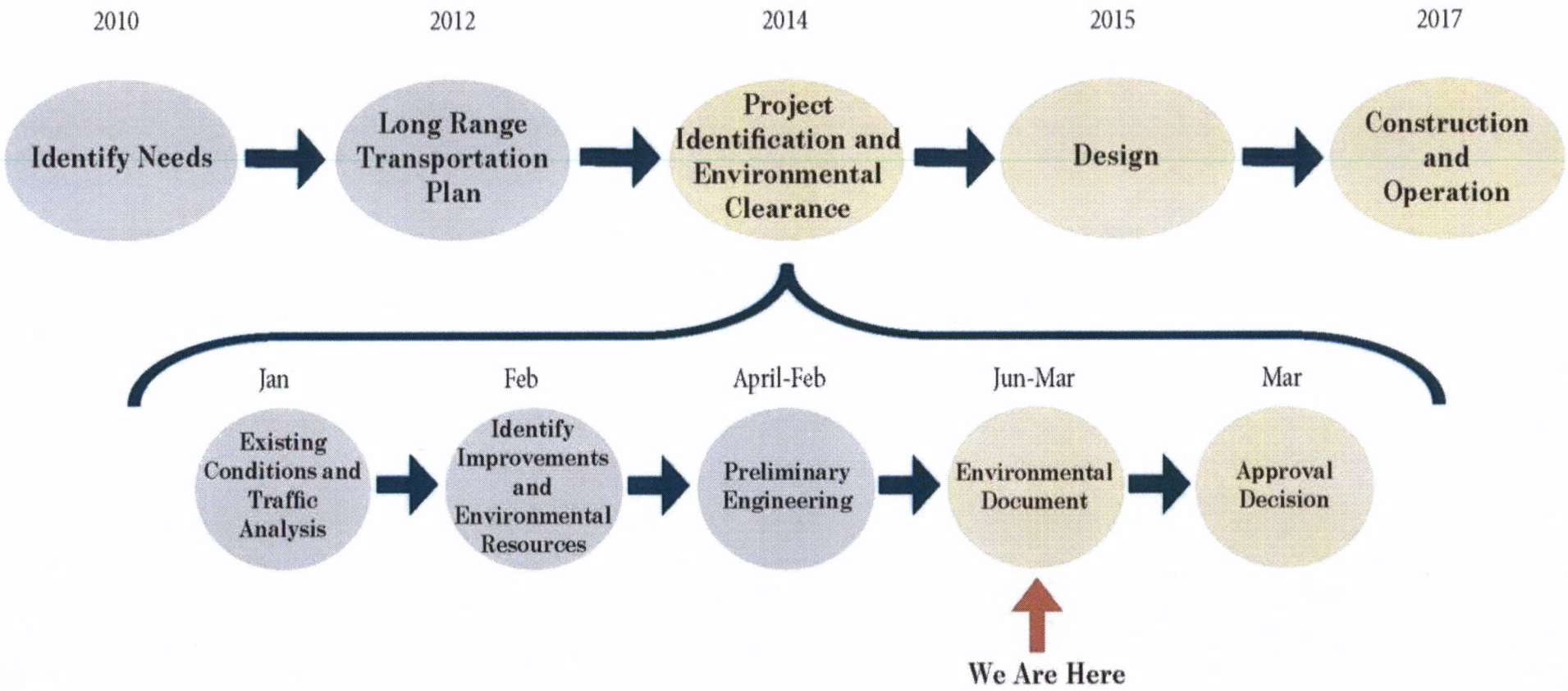
Next Steps

- Identified environmental resources
- Conducted traffic analysis study
- Preliminary design
- Update to West Valley City Council and Kearns Community Council in February 2014
- Newsletters
  - April 2014
  - To be mailed in advance of public hearing
- Website
  - www.4700south.info
  - Contains project information and contact information
- Started contacting business owners (potential relocations and access impacts)

PROCESS


2010
2012
2014
2015
2017
Identify Needs
Long Range Transportation Plan
Project Identification and Environmental Clearance
Design
Construction and Operation
Jan
Feb
April-Feb
Jun-Mar
Mar
Existing Conditions and Traffic Analysis
Identify Improvements and Environmental Resources
Preliminary Engineering
Environmental Document
Approval Decision
We Are Here

SCHEDULE

Project Overview

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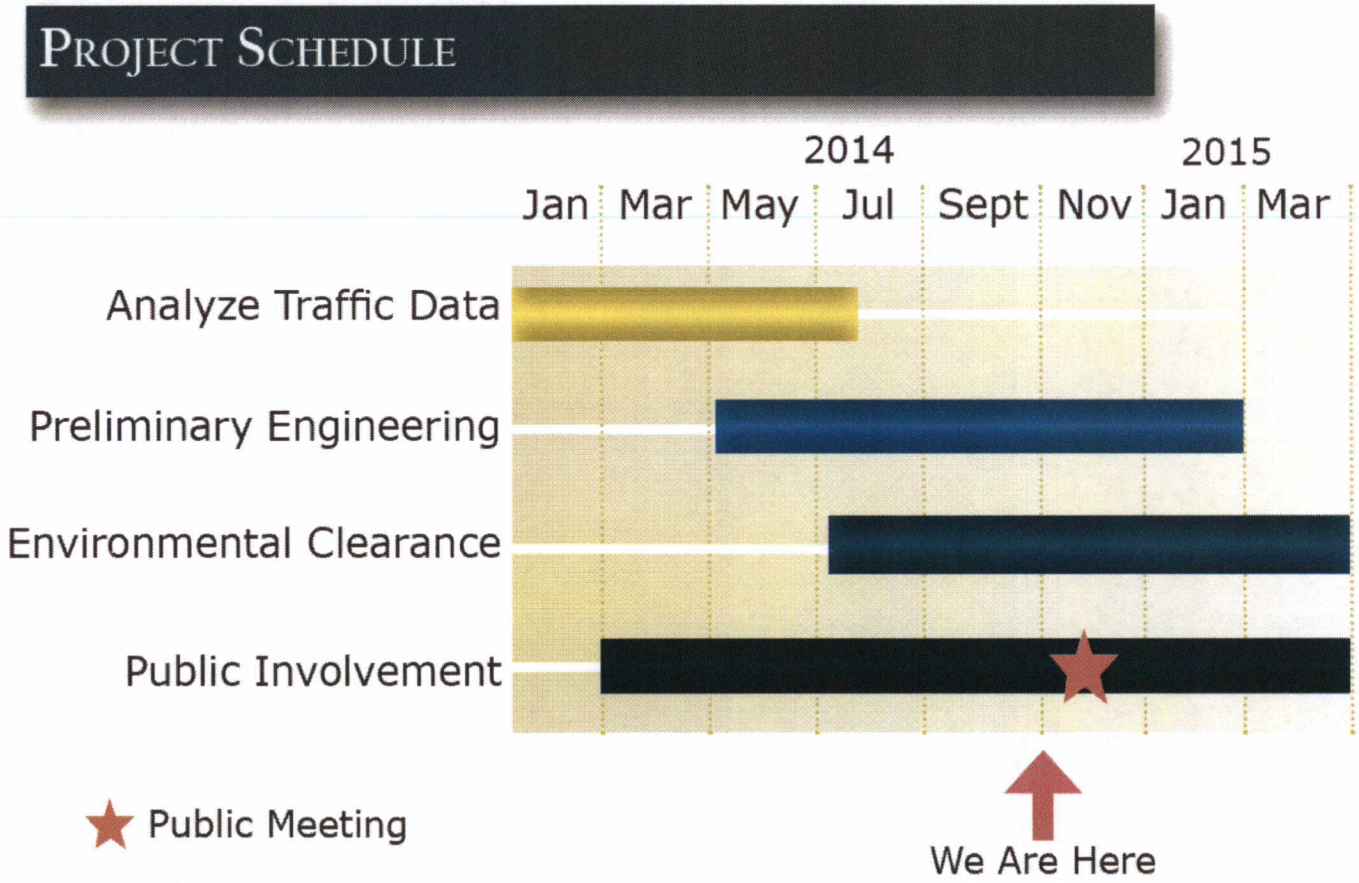
Next Steps



PROJECT GOALS

Project Overview

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Impacts

Next Steps

- Accommodate 2040 traffic
  - Along the corridor
  - Intersections
- Improve safety
  - Complete street with continuous sidewalk and bike lane
  - Address steep cross slope

PROPOSED IMPROVEMENTS

Project Overview

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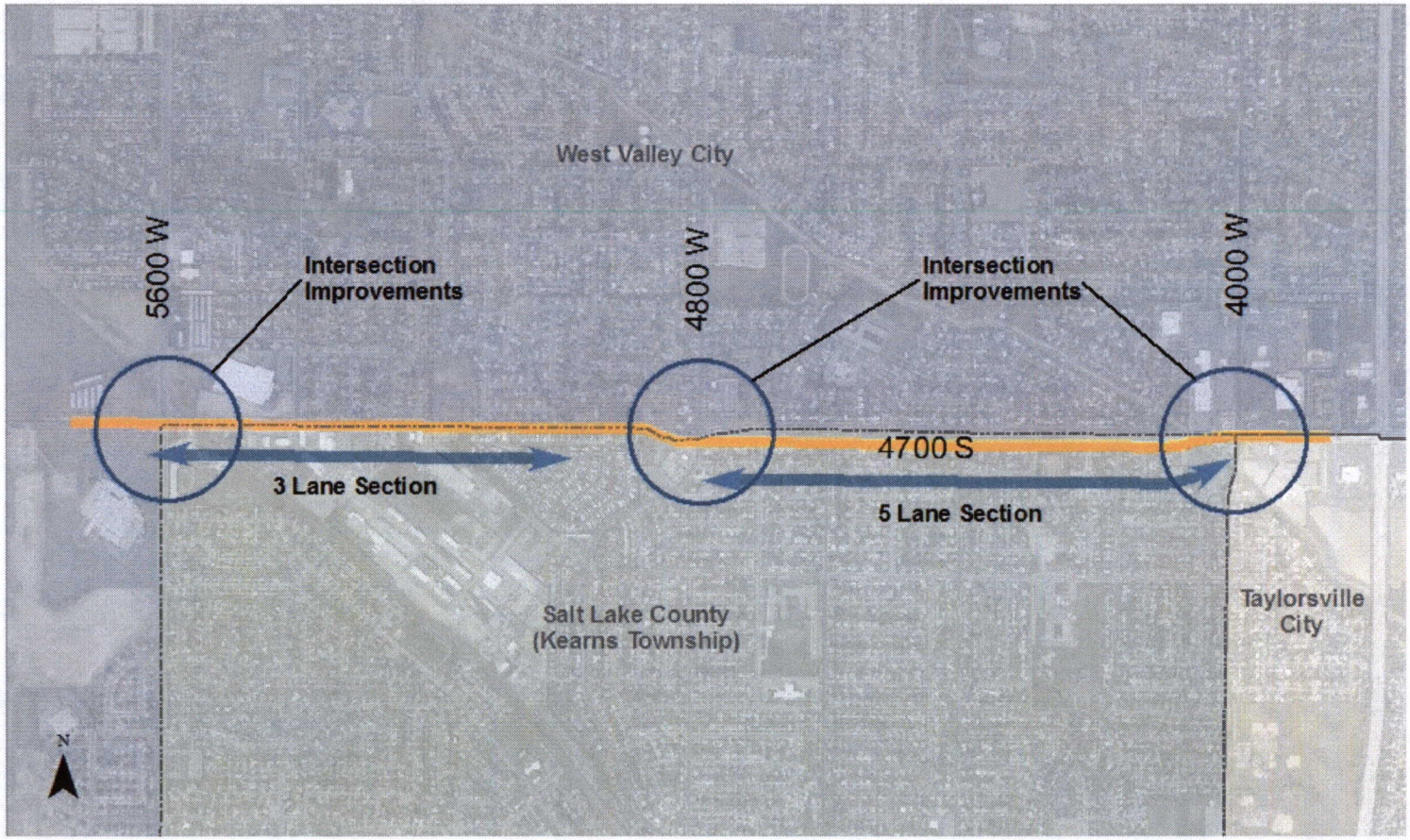
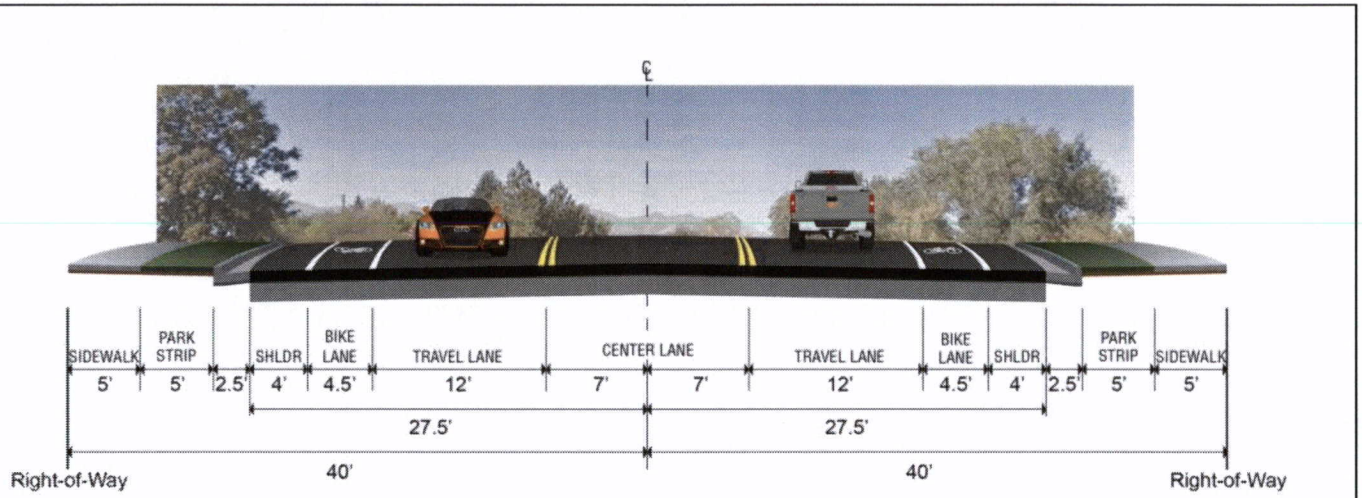
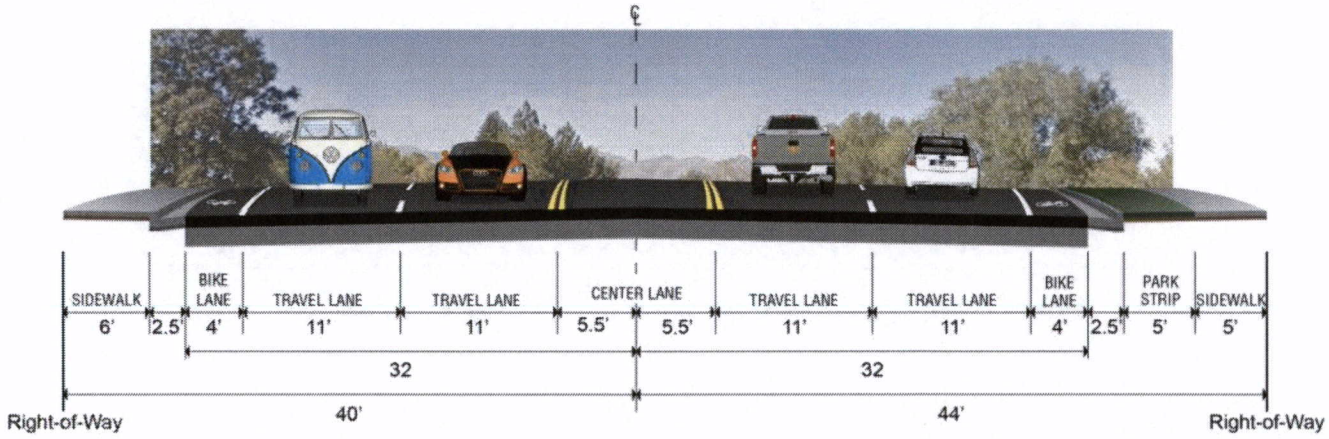


CROSS SECTIONS

- Project Overview
- Process
- Schedule
- Project Goals
- **Proposed Improvements**
- Impacts
- Next Steps



5600 WEST TO 4800 WEST



4800 WEST TO 4000 WEST

4000 WEST PROPOSED IMPROVEMENTS

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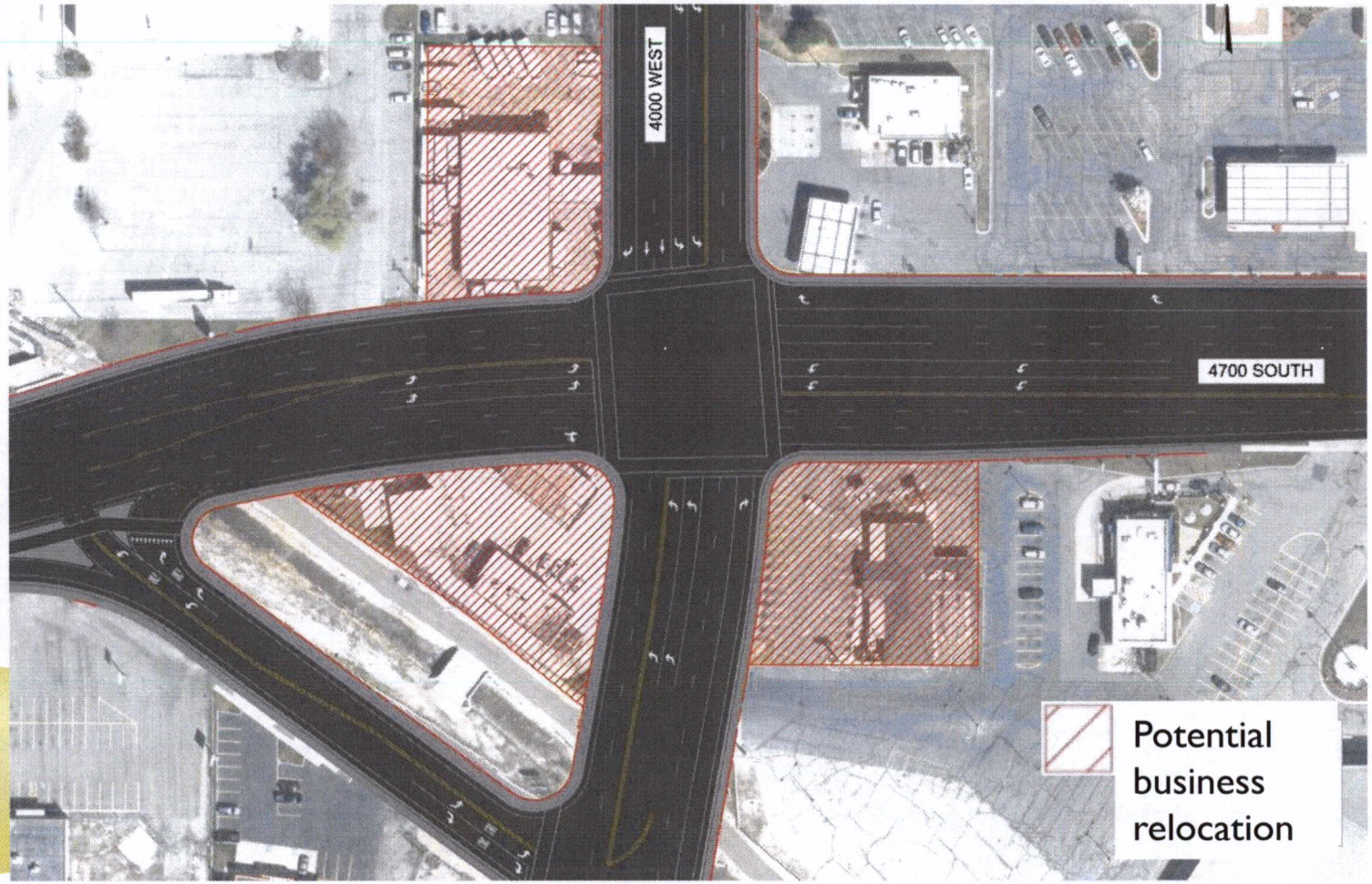
Next Steps

Why not traditional widening?

It would result in considerable right-of-way impacts



4000 WEST PROPOSED IMPROVEMENTS

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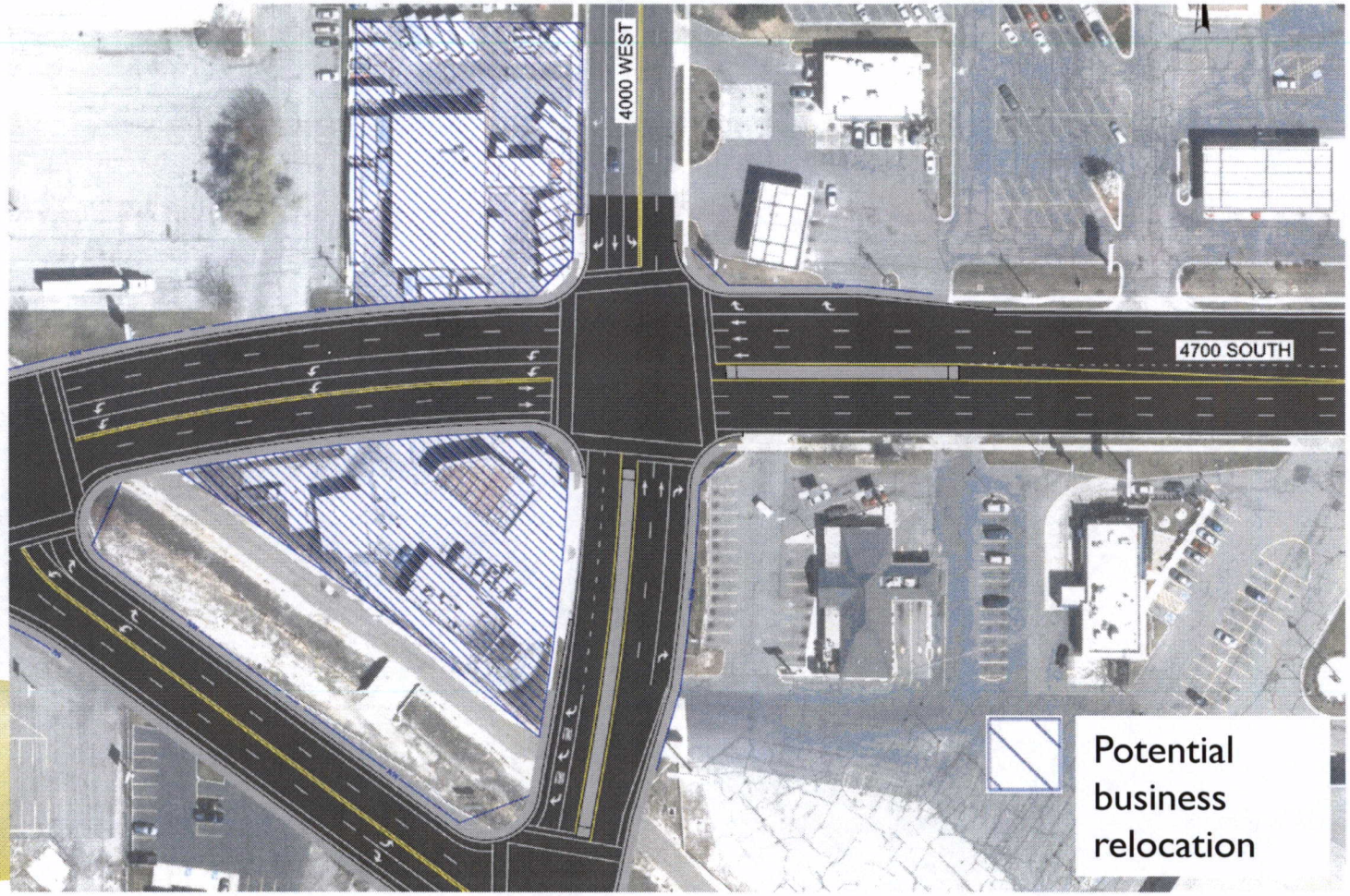
Why a quadrant left intersection?

It would operate as well as traditional widening but result in fewer right-of-way impacts



4000 WEST PROPOSED IMPROVEMENTS

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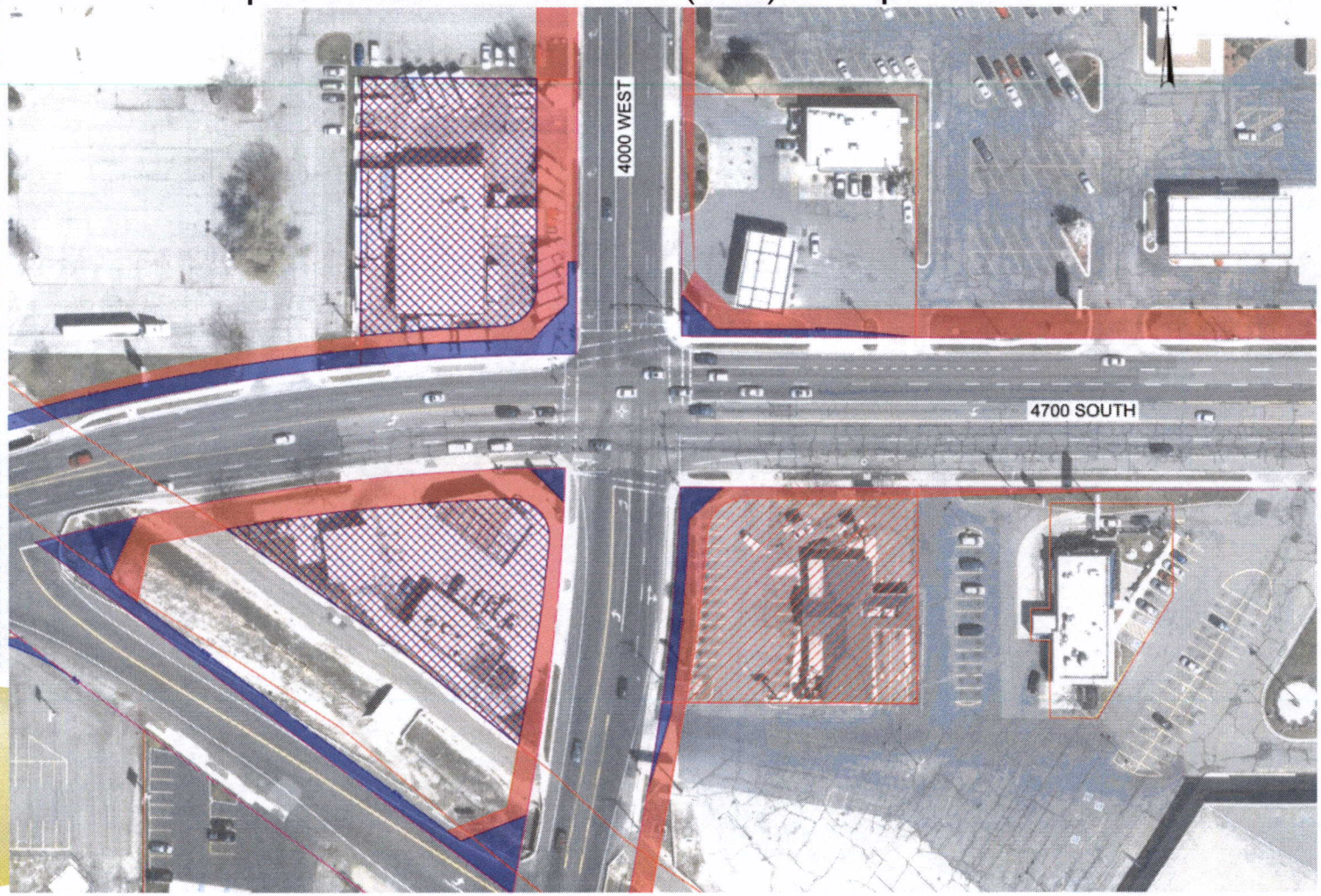
Next Steps

Traditional intersection (red) and
quadrant left intersection (blue) comparison



4000 WEST PROPOSED IMPROVEMENTS

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Why are we proposing a quadrant left intersection instead of traditional widening?

Comparison		
	Quadrant Left	Traditional Widening
Fewer potential business relocations	2	3
Fewer parcels with right-of-way impacts	8	18
Smaller right-of-way impact	0.35 acres	1.66 acres
Same benefit to traffic operation (percent reduction in traffic delay)	49%	47%
Safer for pedestrians and bikes	Shorter crossings, relocated conflict areas	

4000 WEST PROPOSED IMPROVEMENTS

- Project Overview
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Southbound left turns would remain at intersection

4000 WEST PROPOSED IMPROVEMENTS

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Northbound left turns would move away from main intersection

4000 WEST PROPOSED IMPROVEMENTS

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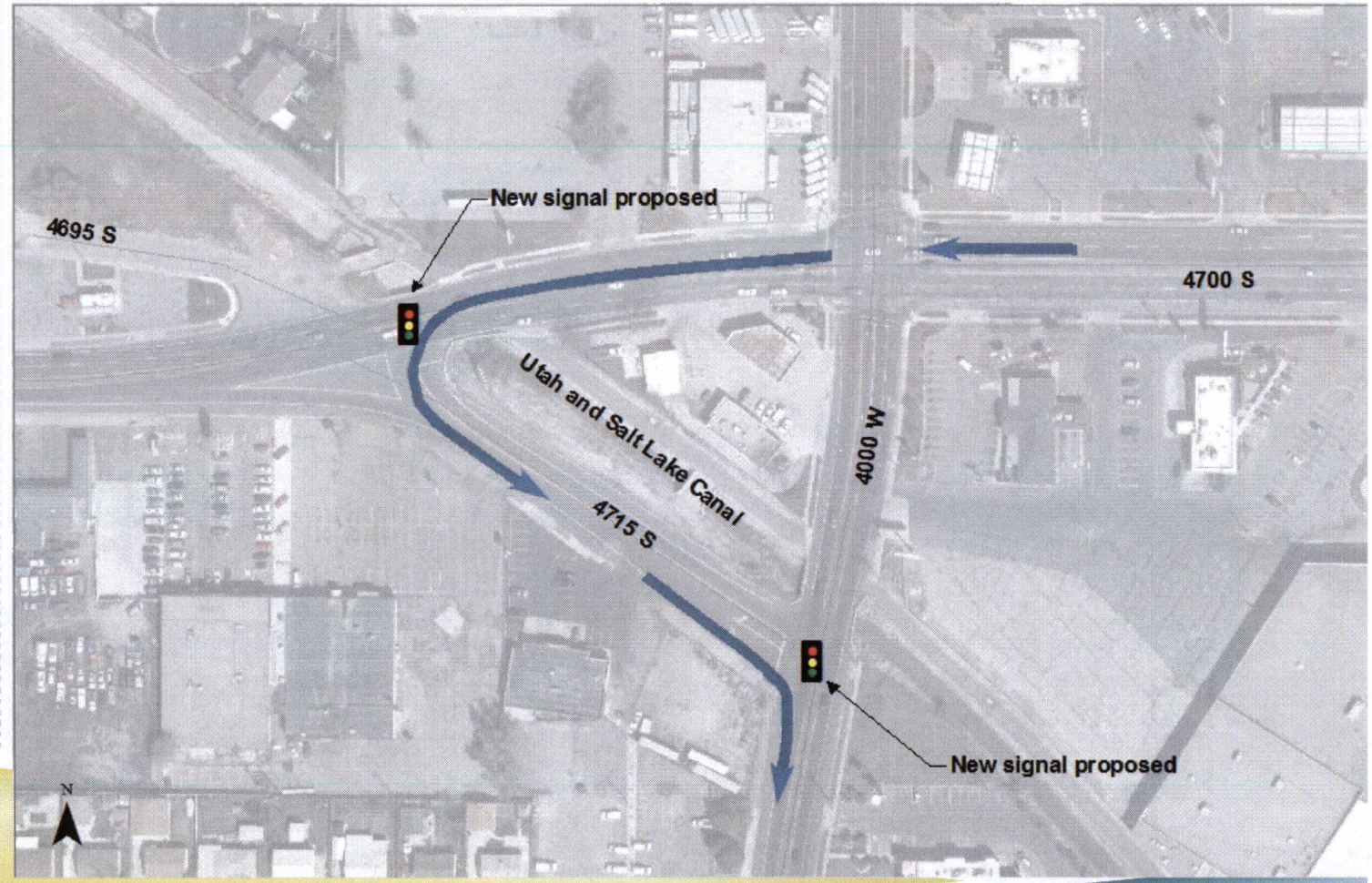
Westbound left turns would move away from main intersection



4000 WEST PROPOSED IMPROVEMENTS

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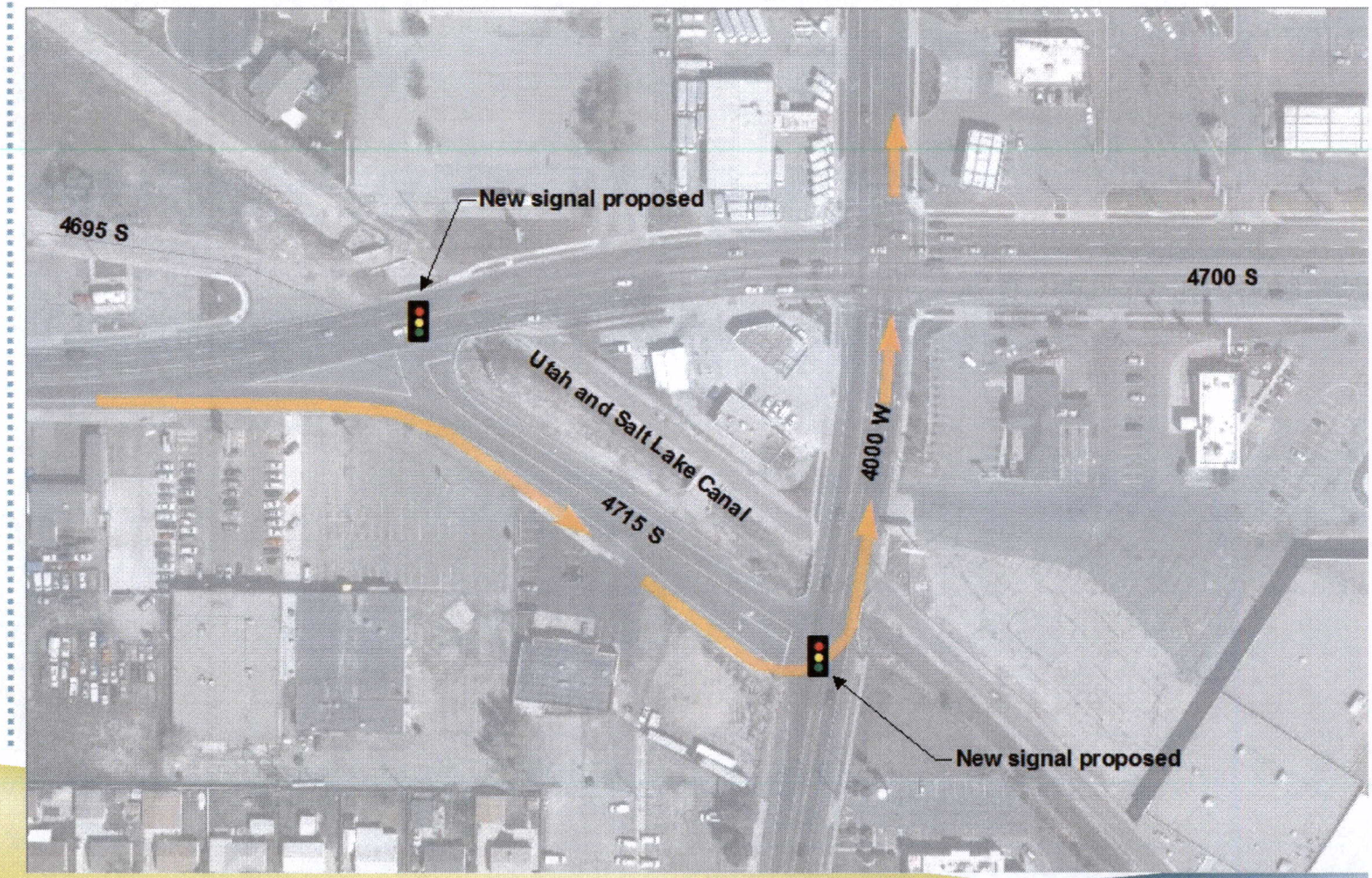
Eastbound left turns would move away from main intersection



POTENTIAL RIGHT OF WAY IMPACTS

Project Overview

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Proposed Improvements

Impacts

Next Steps

Design has been modified to minimize right of way impacts.

Resource	Impact
Business Access	▶ 7 driveways may have left turn access removed ▶ 1 driveway may be relocated ▶ Coordination with impacted business owners is underway
Right of Way	▶ Minor residential impacts are anticipated ▶ 4-5 possible business relocations ▶ Approx. 65 parcels with partial land purchases (corners for ADA ramps, strips for sidewalks) ▶ Approx. 120 parcels with temporary construction impacts

POTENTIAL RIGHT OF WAY IMPACTS

Project Overview

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Project Goals

Proposed Improvements

Impacts

Next Steps

POTENTIAL NOISE IMPACTS

Project Overview

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Impacts

Next Steps

Design has been modified to minimize right of way impacts.

Resource	Impact
Noise	▶ Federal funding requires noise to be considered ▶ Project will follow UDOT's current noise policy ▶ Noise study has been completed, impacts identified ▶ Potential noise walls are recommended between 5200 W and 5400 W ▶ Property owners will be balloted during final design phase to determine if walls are desired

POTENTIAL NOISE WALLS

Project Overview

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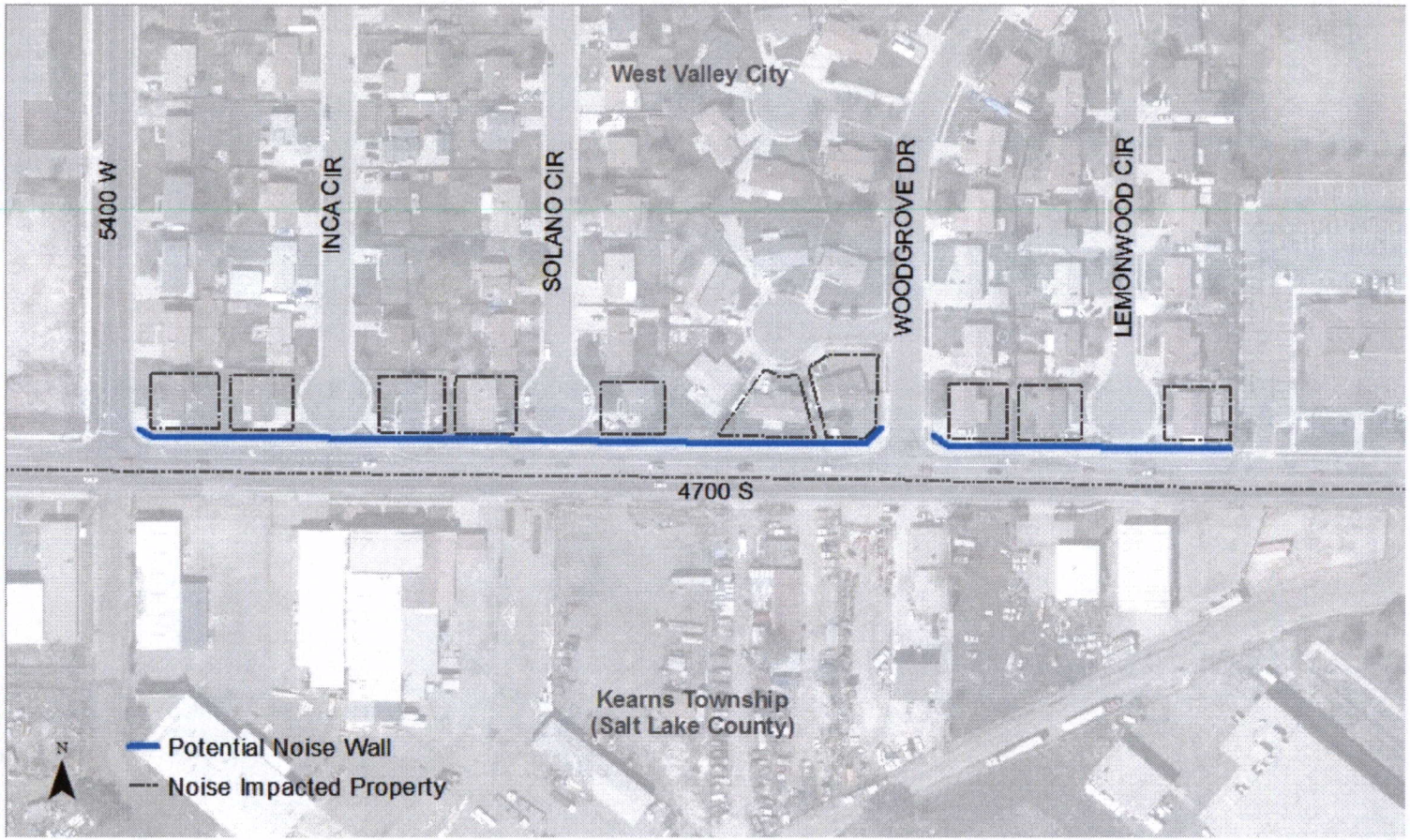
Next Steps



NEXT STEPS

Project Overview

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Proposed Improvements

Impacts

Next Steps

- Public meeting – November 17, 2014 (5:00-7:00 PM)
- Respond to comments through January 2015
- Complete environmental document - February 2015
- Anticipated FHWA decision - March 2015
- Please see the project website for updates: www.4700south.info