

May 31, 2012

## Purpose and Need Statement

### **3500 West (3500 South to 1200 South)**

3500 West is a major north-south corridor that runs from 1200 South in Weber County to Gentile Street in Davis County. This road runs through Davis County, Syracuse, West Point, Clinton, Roy, West Haven and Weber County. Weber County is experiencing an increase in traffic on 3500 West due to area growth, and traffic use of Midland Drive, 1900 West and 4000 South (SR-37). UDOT has improved the intersection of 3500 West and SR-37 as a result of the increased traffic. Currently 3500 West consists of 3 lanes, a bike path, and shoulders, from 4000 South (SR-37) to 3500 South. From 3500 South to 1200 South, 3500 West consists of 2 lanes and in many locations no shoulders.

The needed improvements are to widen 3500 West to a minimum, of three lanes and to provide for pedestrian and school access safety. The project will improve public safety by improving vehicle transportation and providing for pedestrian and school traffic at Kanesville Elementary School. Currently there is no continuous turning lane and no pedestrian shoulder for pedestrian and school traffic. The storm drain and irrigation system partially consists of a large open ditch approximately two feet from the east edge of asphalt. The four foot deep ditch is unsafe for pedestrian traffic and vehicular traffic.

There are 2 proposed project options:

The first is to improve full width as described above from 3500 South to Kanesville Elementary (3100 South), and a leveling overlay/shoulder width increase from 3100 South to 1200 South.

The second is to improve full width as described above from 3500 South to 2550 South, and a leveling overlay/shoulder width increase from 2550 South to 1200 South.

Our current request considers the first option.

Distance from West Haven to Kaynsville Elementary

3310 ft

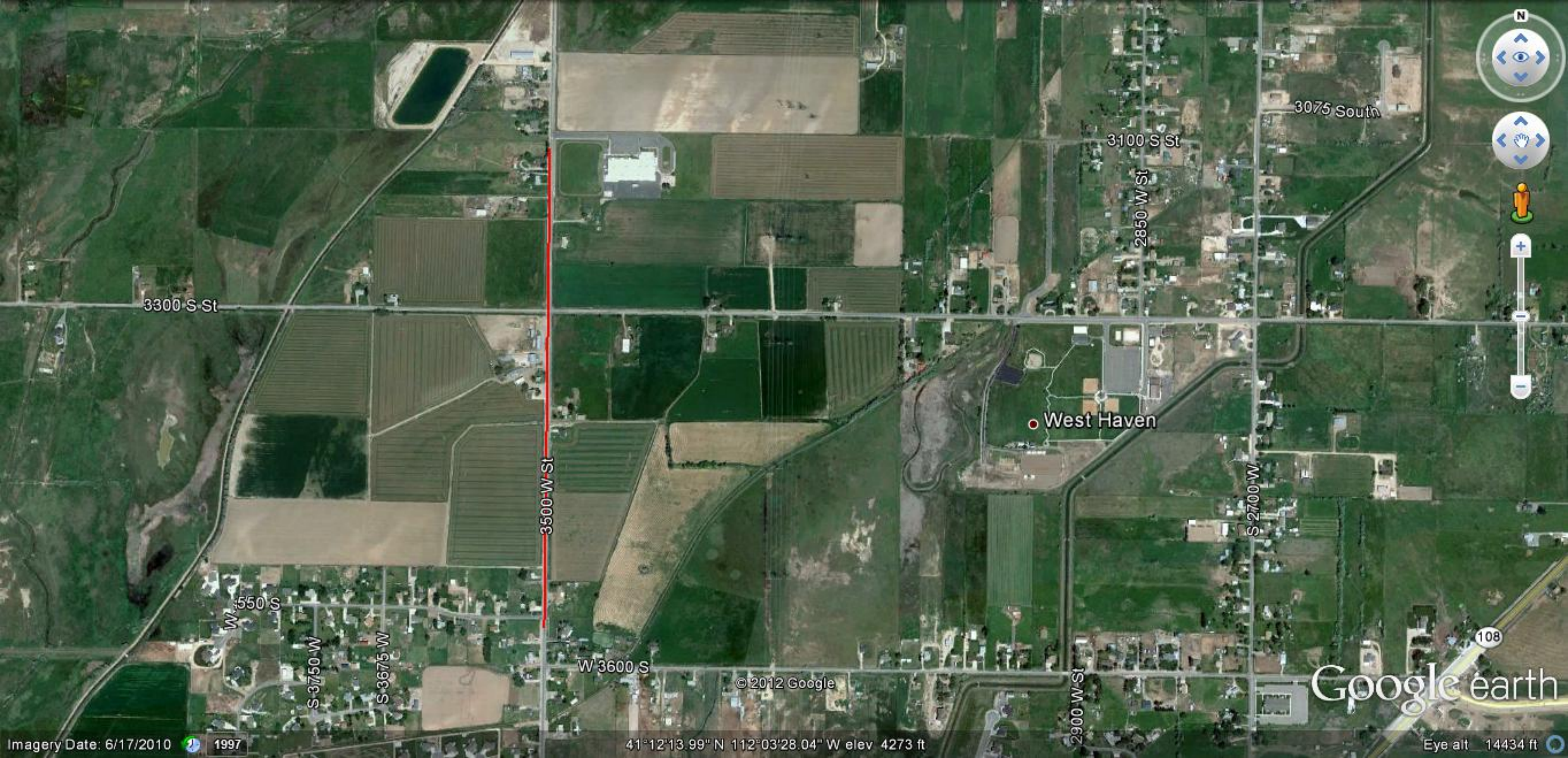
44 ft Asphalt Width

20 ft All New

8 Ft Roadbase Shoulder

Totals

Grading and Hauling	111216 cy		7 cy	\$ 778,512.00
Asphalt 3"	1348.51852 cy	\$	19.20 cy	\$ 25,891.56
6" Roadbase	1716.2963 cy	\$	12.60 cy	\$ 21,625.33
8" Pit Run	2451.85185 cy	\$	11.40 cy	\$ 27,951.11
18" RCP	120 lf	\$	32.40 lf	\$ 3,888.00
15" RCP	180 lf	\$	28.80 lf	\$ 5,184.00
Saw cut Exit.	6620	\$	3.00 lf	\$ 19,860.00
Chip & Seal to 12th so.	78740.4444 sy	\$	5.00 sy	\$ 393,702.22
Re-Striping	32212 lf	\$	10.00 lf	\$ 322,120.00
Geo-Fabric	16182.2222	\$	3.00 sy	\$ 48,546.67
Utility Re-location				
Subtotal				\$ 1,647,280.89
10% Cont.				\$ 164,728.09
Preliminary Engineering	8%			\$ 1,317,824.71
Construction Engineering	10%			\$ 164,728.09
Environmental	10%			\$ 164,728.09
ROW Accusition 17ft Each side	2.5835629 acr	\$ 40,000.00	acr	\$ 103,342.52
<b>Grand Total</b>				<b>\$ 3,562,632.38</b>



3075 South

3100 S St

2850 W St

3300 S St

West Haven

3500 W St

S 2700 W

W 550 S

S 3750 W

S 3675 W

W 3600 S

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Google earth

2900 W St

Imagery Date: 6/17/2010



1997

41°12'13.99" N 112°03'28.04" W elev 4273 ft

Eye alt 14434 ft



**Weber County Council of Governments**  
**2012 Local Transportation Fund(s): Project Evaluation:**

*Total Criteria Points: 26*

RTP PROJECT TITLE: W- 25: 3500 WEST - 3500 S TO KANESVILLE ELEM.  
PROJECT SPONSOR(S): WEBER COUNTY  
CONTACT INFORMATION: JARED ANDERSON - 801.399.8374

**I. FUND APPLICATION REQUIREMENTS**

The Highway/Transportation Authority seeking use of funds must have the following:

- An Access Management policy/ordinance.
- Corridor is part of the RTP.
- A property acquisition policy/ordinance that meets federal standards
- Property owner(s) willing to sell.
- Master Transportation Plan

**II. INFORMATIONAL DATA** (please check the appropriate box)

A. Jurisdiction:

- State
- Local**
- Multiple Municipalities (please list)

B. Current Functional Classification:

- Collector**
- Minor Arterial
- Principal Arterial
- State Highway
- Transit Corridor { Limited to Sales Tax Funds only }

C. Project Cost and Funding:

Total Estimated Project Costs: \$ 3,600,000

1. Estimated amount of COG Funds	<u>\$ 3,495,000</u>	<u>Sales Tax</u>
	<u>\$ 105,000</u>	<u>CP</u>

2. Identify other Funding Sources Available:

None  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Budgeted for what year: \_\_\_\_\_  
\_\_\_\_\_

D. Please identify preservation strategies the jurisdiction has in place by ordinance or policy

Land Use Regulation:

- Access Management
- Setback
- Zoning
- Site-Plan Review and Subdivision Controls
- Conditional Use/Interim Use Permits
- Dedications and Exactions

Fee Simple Acquisition

- Hardship
- Donation
- Protective
- Early

Mitigation/Negotiation

- Transferable Development Rights
- Density Transfers
- Impact Fee Credits
- Tax Abatements

Less than Fee Simple Acquisition

- Options to Purchase
- Purchase of Development Rights
- Property Exchange

### III. PROJECT EVALUATION FACTORS:

A. Areas with rapidly expanding population (5 years past and 5 years future average)

	<u>Growth Rate</u>	<u>Points:</u>
<input type="checkbox"/>	over 10%	5
<input type="checkbox"/>	7.1 - 10%	4
<input type="checkbox"/>	5.1 - 7%	3
<input type="checkbox"/>	3.1 - 5%	2
<input checked="" type="checkbox"/>	<b>0 - 3%</b> {2.9 %}	<b>1</b>

\* Data available from WFRC

B. Cost Effectiveness.

Factor: Increase in cost from existing zoning to proposed or planned zoning.

	<u>Percent Increase</u>	<u>Points:</u>
<input type="checkbox"/>	100% +	5
<input type="checkbox"/>	80 - 99%	4
<input type="checkbox"/>	60 - 79%	3
<input type="checkbox"/>	40 - 59%	2
<input type="checkbox"/>	20 - 39%	1
<input checked="" type="checkbox"/>	<b>0 - 19%</b>	<b>0</b>

\* County Assessor can assist with zoning and market data

C. Anticipated maintenance costs for property(s) acquired. (may not exceed 5% of cost)

	<u>Costs:</u>	<u>Points:</u>
<input checked="" type="checkbox"/>	<b>No</b>	<b>1</b>
<input type="checkbox"/>	Yes	0

D. Hardship Request:

	<u>Anticipated Hardships ?</u>	<u>Points:</u>
<input type="checkbox"/>	Yes	2
<input checked="" type="checkbox"/>	No	0

E. Percent of Raw Land:

	<u>Percent of Raw Land</u>	<u>Points:</u>
<input checked="" type="checkbox"/>	70 to 100%	5
<input type="checkbox"/>	50 to 70%	3
<input type="checkbox"/>	Less than 50%	0

F. Average Annual Daily Traffic (AADT):

1. <u>Existing:</u>		<u>Points:</u>
<input type="checkbox"/>	30,000 +	4
<input type="checkbox"/>	20,000 to 29,900	3
<input type="checkbox"/>	10,000 to 19,999	2
<input checked="" type="checkbox"/>	0 to 9,999 {8,975 avg}	1 {parallel facilities}

\*Data Available: <http://www.dot.utah.gov/index.php/m=c/tid=507>

2. <u>Future:</u>		<u>Points:</u>
<input type="checkbox"/>	30,000 +	4
<input type="checkbox"/>	20,000 to 29,900	3
<input checked="" type="checkbox"/>	10,000 to 19,999	2 {parallel facilities}
<input type="checkbox"/>	0 to 9,999	1

\* Data Available: [http://www.wfrc.org/resources/traffic/Maps/11x17/DavisWeber\\_2030\\_Projections.pdf](http://www.wfrc.org/resources/traffic/Maps/11x17/DavisWeber_2030_Projections.pdf)

N/A F1. Transit: Change in Average Daily Ridership:

Current ADR: \_\_\_\_\_

Anticipated ADR: \_\_\_\_\_

	<u>Percent Difference</u>	<u>Points:</u>
<input type="checkbox"/>	Above 50%	4
<input type="checkbox"/>	35 to 49%	3
<input type="checkbox"/>	20 to 34%	2
<input type="checkbox"/>	10 to 19%	1

G. New Roadway or Volume Level on Project Roadway:

		<u>Points:</u>
<input type="checkbox"/>	New Roadway	5
	Existing Volume per Lane (use AADT / number of existing lanes)	
<input type="checkbox"/>	10,000 +	5
<input type="checkbox"/>	9,000 - 10,000	4
<input type="checkbox"/>	8,000 - 9,000	3
<input type="checkbox"/>	6,000 - 8,000	2
<input checked="" type="checkbox"/>	4,000 - 6,000 {4,487}	1
<input type="checkbox"/>	Less than 4,000	0

N/A G1. Transit: New System Riders:

	<u>Points:</u>
<input type="checkbox"/> Above 1,000	5
<input type="checkbox"/> 750 to 999	4
<input type="checkbox"/> 500 to 749	3
<input type="checkbox"/> 250 to 499	2
<input type="checkbox"/> 50 to 249	1

H. Proposed Construction Year:

	<u>Period:</u>	<u>Points:</u>
<input checked="" type="checkbox"/>	<b>1 to 5 years (on TIP)</b>	<b>5</b>
<input type="checkbox"/>	6 - 10 years (Phase 1)	4
<input type="checkbox"/>	11 - 20 years (Phase 2)	3
<input type="checkbox"/>	20 - 30 years (Phase 3)	2
<input type="checkbox"/>	30 + Unfunded on RTP	1

I. Time period for right-of- way acquisition:

	<u>Yes</u>	<u>Points:</u>
<input checked="" type="checkbox"/>	<b>Less than 1 year</b>	<b>5</b>
<input type="checkbox"/>	2 to 3 years	3
<input type="checkbox"/>	More than 3 years	1
<input type="checkbox"/>	No	0

#### IV. STUDIES UNDERWAY OR COMPLETED:

#### Local Concept

A. Corridor Study, Environmental Impact Statement (EIS), Environmental Assessment (EA), Finding of No Significant Impact (FONSI) or Local Concept Report. {Please attach copy}

	<u>Completed:</u>	<u>Points:</u>
<input checked="" type="checkbox"/>	<b>Yes</b>	<b>5</b>
<input type="checkbox"/>	No	0

#### V. PURPOSE & NEED STATEMENT

Please provide a brief discussion regarding the purpose, need and overriding goal of the project. If applicable, indicate any potential economic benefit that will be a direct or indirect by-product of the project, as well as identifying how the project may improve congestion and safety.

**ATTACHED**