# Logan Main Street
## 200 North to 400 North

# Traffic Signal Retiming & Parking Study

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# Study Goals

1. Improve Mobility (Reduce congestion)
2. Reduce Avoidance (Encourage traffic to the area)
3. Reduce Idling (Positively impact pollution)

# Where We Are Today

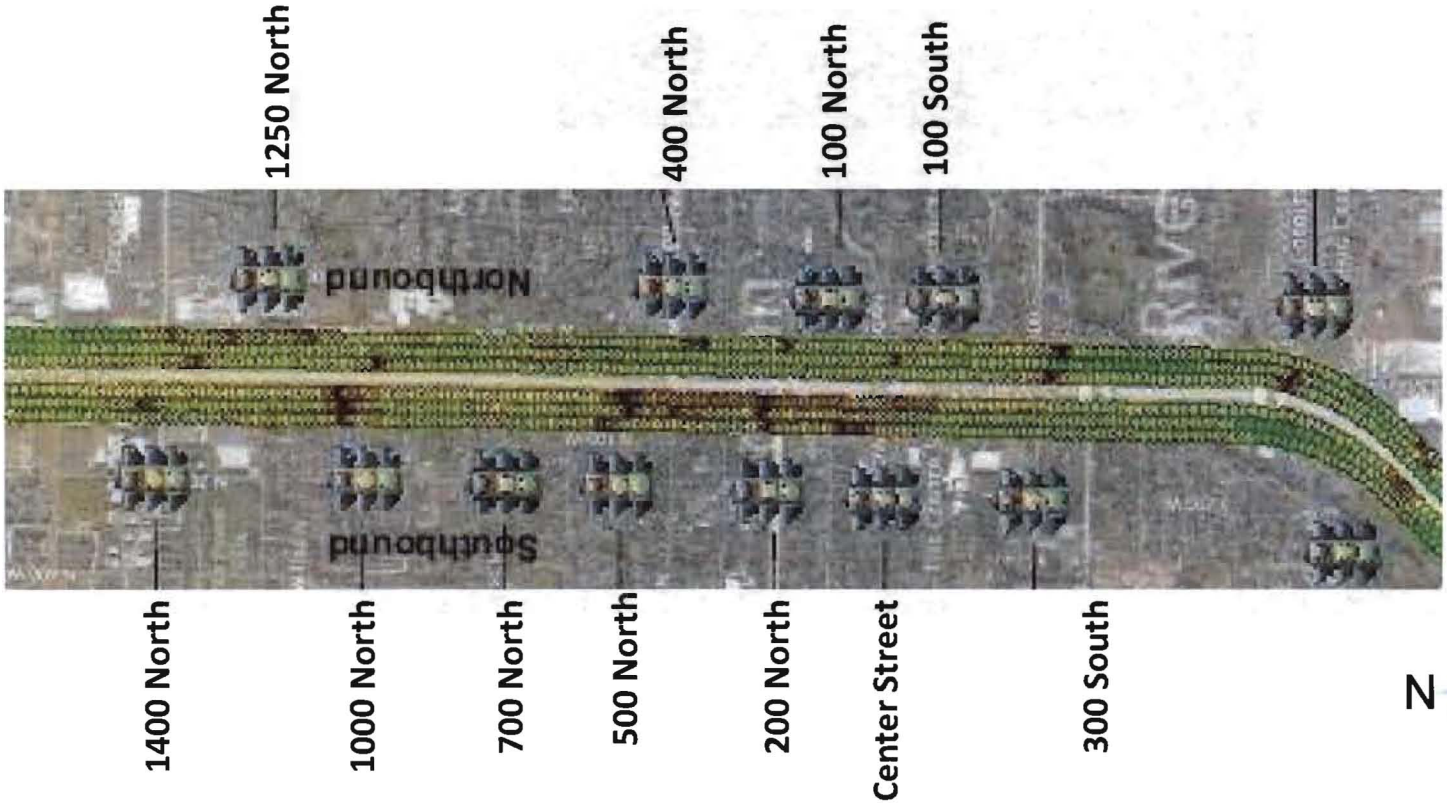
## Existing travel times along Main Street between 1400 North and 'Y' intersection (SR-165):

| Direction of travel | AM Peak | Noon Peak | PM Peak | Saturday |
|---|---|---|---|---|
| Southbound | 5 min 45 sec | 8 min 31 sec | 8 min 29 sec | 7 min 10 sec |
| Northbound | 7 min 30 sec | 7 min 27 sec | 7 min 48 sec | 8 min 26 sec |

200 N. to 400 N.

# Logan Main Street – Signal & Parking Study

## PM Peak Travel Times



# Study Features

1. New Timing of UDOT Signals
2. Remove all on-street parking and add auxiliary lane along Northbound (NB) and Southbound (SB) Main Street between 200 North to 400 North to reduce congestion during heavy peak periods.

# Study Features

3. The new auxiliary lanes would become a shared through-right lane at 300 North.
4. Both the new NB and SB auxiliary lane would become a dedicated right turn lane at 400 North and 200 North respectively.

200 N. to 400 N.

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# AM & PM Peak Hour Reductions

| Alternative | AM Peak Delay (%) | AM Peak Stops (%) | PM Peak Delay (%) | PM Peak Stops (%) |
|---|---|---|---|---|
| Existing | 100 Hrs | 10,200 | 240 Hrs | 16,000 |
| New signal timing | 4% | 4% | 8% | 6% |
| Add southbound auxiliary lane | 5% | 5% | 11% | 9% |
| Add northbound auxiliary lane | 6% | 6% | 13% | 11% |
| Remove the pedestrian crossing across the south leg of 400 N/Main | 7% | 7% | 14% | 13% |
| Interconnect Logan City Signals on 100 E & 100 W | 10% | 9% | 19% | 15% |

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# Air Quality Improvement

| Alternative – PM Peak Hour | Fuel (gal) | HC emissions (g) | CO emissions (g) | NOx emission (g) |
|---|---|---|---|---|
| Existing | 1,693 | 18,825 | 626,175 | 68,625 |
| New signal timing | 2% | 1% | 1% | 1% |
| Add southbound auxiliary lane | 4% | 4% | 4% | 3% |
| Add northbound auxiliary lane | 7% | 10% | 7% | 6% |
| Remove the pedestrian crossing across the south leg of 400 N/Main | 10% | 13% | 11% | 10% |
| Interconnect Logan City Signals on 100 W & 100 E | 13% | 16% | 16% | 15% |

200 N. to 400 N.



# Adjacent Businesses

| | | |
|---|---|---|
| Rage Salon | Custom Muffler | Key Bank |
| MV Properties | Jack's Pizza Oven | Moriyama Studio |
| Weston's Best Western | Burger King | Wilson Motors |
| Harold Dance Invest. | Washington Mutual | |

200 N. to 400 N.

# Logan Main Street – Signal & Parking Study

## Businesses In Favor ✓

| | | |
|---|---|---|
| Rage Salon ✓ | Custom Muffler ✓ | Key Bank ✓ |
| MV Properties ✓ | Jack's Pizza Oven ✓ | Moriyama Studio ✓ |
| Weston's Best Western ✓ | Burger King ✓ | Wilson Motors |
| Harold Dance Invest. ✓ | Washington Mutual ✓ | |

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# Businesses Comments

**Few customers use the on-street parking for our business, road is too busy. Heavy traffic makes it hard for people to access our parking lot.**

**Rage Salon**

# Businesses Comments

**Has noticed an increase in congestion for his patrons trying to exit the drive-through onto Main. He says no customers use the curb parking but several have complained at traffic backing so they can't get out onto Main unless someone is polite and lets them in line.**

**Key Bank**

# Businesses Comments

They did not have any tenants who depend on the curb parking on Main. Only one tenant even has access to the building on Main and they are "on-site" contractors who have no walk-in traffic. Is confident that removal of parking will have no impact on their tenants or their own businesses.

MV Properties

# Businesses Comments

For my business I don't see any issues or problems with the removal of the parking between 200 N. and 400 N. I don't believe it will be a noticeable improvement to most, but anything is good. I am in favor of the project should it come about. I know it will never happen but I think an easy low cost improvement would be to create 3 lanes north and southbound from 200 S. to 1800 N. Business owners will be upset but if a business on Main Street is relying solely on that street parking, it has other issues that will eventually bring it to a close.

Weston's Best Western

# Logan Main Street – Signal & Parking Study

## Questions?

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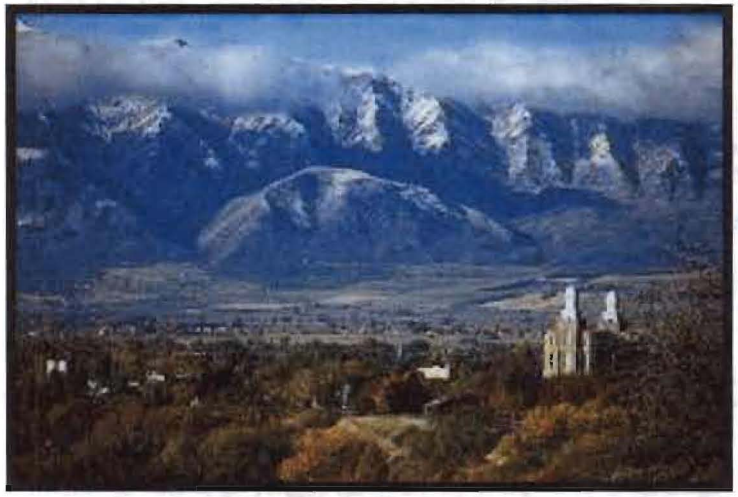

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