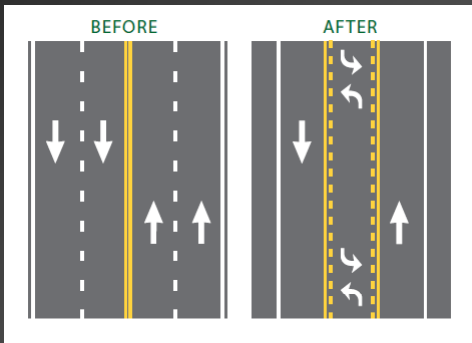


MORMON TREK BOULEVARD

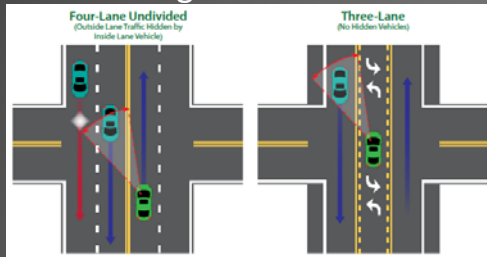
Lane Reconfiguration



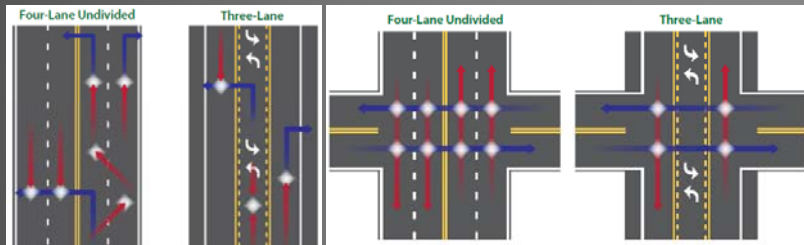
Annual Average Daily Traffic

Roadway Segment	MPOJC Model 2010	MPOJC Model 2040
Melrose Ave, south of	14,100	14,300
Rohret Rd, north of	15,400	19,980
Rohret Rd, south of	10,300	13,800
Iowa Hwy 1, north of	12,100	14,900

Increases Sight Distance



Reduces Conflict Points



Source: FHWA Road Diet Information Guide

Proposed Improvements

- Lane reconfiguration proposed from Melrose Ave to north of Westside Dr
 - 11' wide Through Lanes
 - 12' wide Continuous Two-Way-Left-Turn Lane
 - Dedicated Bike Lanes
- Addition of a dedicated Right Turn Lane at Benton St
- ADA Sidewalk Ramp Reconstruction
- Traffic Signal Improvements
 - Coordinated signal timing
 - Protected/permissive left-turn phasing
- Pavement patching

Crash History --- 2011-2015

Petsel Pl to West Side Dr

- 126 Crashes
- Injuries
 - 1 Major
 - 19 Minor
 - 28 Possible/Unknown
- \$645,100 in Property Damage Reported
- 30 Followed Too Close
- 26 FTYROW Left Turn / Driveway



Following too close
Failing to yield the right of way



Sideswipe



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Level of Service (LOS)

Definition: Quality measure describing operational traffic conditions, in terms of speed, travel time, freedom to maneuver, traffic interruptions, comfort, and convenience.

- LOS A to LOS F
 - LOS A = Best Operating Conditions (free-flow)
 - LOS F = Worst Operating Conditions (congested)
- LOS C and LOS D
 - Considered acceptable operating service for design and planning

Intersection	Current Traffic 4-Lane	Current Traffic 3-Lane	Future Traffic 4-Lane	Future Traffic 3-Lane
Melrose Ave	C	C	C	C
Cameron Way	A	A	A	A
Benton St	A	B	B	B
Rohret Rd	A	C	B	C
Westside Dr	A	B	B	B

Average LOS based on calculated delay at all legs of the intersection during the AM Peak Hour.

Intersection	Current Traffic 4-Lane	Current Traffic 3-Lane	Future Traffic 4-Lane	Future Traffic 3-Lane
Melrose Ave	C	C	C	C
Cameron Way	A	A	A	B
Benton St	B	A	B	B
Rohret Rd	A	C	A	C
Westside Dr	A	B	B	B

Average LOS based on calculated delay at all legs of the intersection during the PM Peak Hour.

Travel Time Increase
of approximately 30
seconds over the
entire corridor

Contact Information:

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