Ingersoll Avenue 3-lane Conversion

Report on "After" Results April 2014

Des Moines Area MPO

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Ingersoll Avenue 3-lane Conversion

- Project History and Details
- 2) Safety Aspects
- 3) Project Process
- 4) Before After Analysis
- 5) Conclusions, Lessons Learned
- 6) Questions / Comments



Conditions on Ingersoll

- Very Established Business District, W of CBD
- □ Also Trying to "Reinvent Itself"
- Traffic Conditions
 - 🗖 60' wide
 - Parking on both sides
 - Important bus route
 - Important commuter route
 - 12,000 17,000 vehicles per day

Project History

- 2007-08-Ingersoll Streetscape Project constructed
- 1st Phase of multiphase project
- 28th Street to 31st
 Street
- \$3.4 million project
- \$665,000 (private funds)

2009 3-lane considered



Traffic Study Conclusions

Conversion to 3-Lane is Feasible

- LOS at 31st Street will be "C" for 3-lane configuration (current LOS is "B")
- Corridor travel time expected to increase slightly
- 152 total crashes in corridor (2006-2008). 106 are type correctable by TWLTL.

Project Details

- Ingersoll Ave. is a "Complete Streets" proposal
- Low-cost project (approximately \$15,000 pavement marking only, no changes in curbs)
- Ingersoll current traffic volume: 10,000 15,000 vehicles per day (ideal for 3-lane conversion).

Safety Aspects of 3-Lane Roadway

- Reduces vehicle speeds
 - Eliminates passing vehicles
- Safer for driver to exit parked cars (wide parking lane)
- Improves sight distance for left turns and driveway exiting traffic
- Improves pedestrian and bike safety
- 2006 study by Iowa State University of twelve 3-lane conversions showed a 29% reduction in crashes.
- Verified by other studies across U.S.

Additional Parking

- Inadequate parking was identified in the 2004 Ingersoll Ave. Stakeholder Survey as a major item.
- Approximately 50 on-street parking spaces were added with the 3-lane project

Add Bike Lanes

- 2004 Ingersoll Study called for "Unified, pedestrianfriendly street".
- Study further stated "Ingersoll is the logical bicycle link between the downtown and west side neighborhoods and regional trails".
- Standard bike lanes could only be accommodated on Ingersoll if the street was reconfigured to 3-lanes.

Implementation Process**

Considerable opposition by businesses
 Council approved Sept. 14, 2009
 6-month trial period
 Before / After evaluation was be conducted
 "If it isn't working, we'll change it back"
 Implemented May 1, 2010 – by City crews

After Restriping



Traffic Conditions

No major congestion or delays No significant traffic diversion No increase in traffic crashes No major traffic problems

Traffic Volumes





Traffic Volumes - Daily



Speed and Travel Times (WB)

15

		Avg. Speed	Travel Time
AM	Before	25.4	213
	After	24.8	220
	Change	-2%	4%
Noon	Before	22.9	238
	After	22.9	257
	Change	0%	-1%
PM	Before	23.8	227
	After	21.9	247
	Change	-8%	9%

- □ Final Council approval Oct. 25, 2010
- Traffic conditions have generally been as expected, no major problems
- □ Crashes reduced 20%, Injury crashes by 30%
- □ Survey responses
 - Majority (56%) favor keeping
 - Majority (52%) think it is safer

General Opinion – All Responses

Before = 714

After = 1,472



What is your opinion of the new restriping that took place in the traffic lanes on Ingersoll earlier this spring?



Live or Have Business on Ingersoll

Before = 174

After = 175





What is your opinion of the new restriping that took place in the traffic lanes on Ingersoll earlier this spring?

General Opinion - Safety

Before = 713

After = 1,472



How do you think the lane changes will affect the traffic, bicycle, and pedestrian flow



Have Biked on Ingersoll

Before = 287

$\mathbf{After} = \mathbf{652}$



How do you think the lane changes will affect the traffic, bicycle, and pedestrian flow along Ingersoll?



How do you think the lane changes have affected the traffic, bicycle, and pedestrian

SAFETY along Ingersoll?

Have Walked Across Ingersoll

Before = 538

After = 681



How do you think the lane changes will affect the traffic, bicycle, and pedestrian flow

How do you think the lane changes have affected the traffic, bicycle, and pedestrian SAFETY along Ingersoll?



Economic Viability

"The goal of traffic calming is to encourage multiple types of transportation (car, bike, walk, and bus) and improve the **safety** and 'livability' of a neighborhood for all users. What sometimes gets overlooked is that safe, pedestrian-friendly neighborhoods are also the types of places where people want to shop, dine-out and own a home. In short, traffic calming improves the economic bottom line for local businesses."

Source "Livable Streets Coalition"

General Opinion – Business**

Before = 711

After = 1,463



How do you think the proposed restriping project will affect business and shopping

How do you think the proposed restriping project has affected business and shopping along Ingersoll?



Conclusions

- □ The data continues to show that the overall Ingersoll Ave Restriping project was successful.
- Traffic volumes have remained consistent
- Crashes are still down
- Private re-investment is taking place in the corridor,
 - In 2012, The Ingersoll and Grand Revitalization Plan was created that expanded the SSMID for these areas
- Bike counts show around 200 plus bikers per day on the road

Lessons Learned**

Public Awareness / Information

- Many businesses did not know what was proposed needed more proactive information
- Relied too much on local "committee"
- Thought project history guaranteed support
- Cultivate Support
 - There will be opposition, so need supporters
- "Sell" as Providing a Complete Street
 - Avoid "Bike Lanes vs. Businesses"
- Provide Clear, Objective Information and data

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Questions and Comments?

