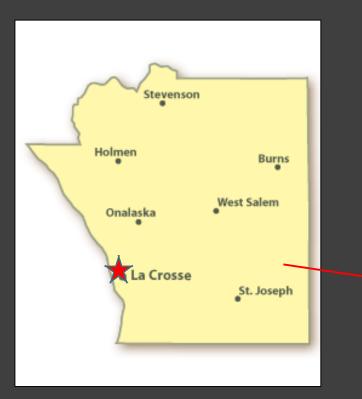
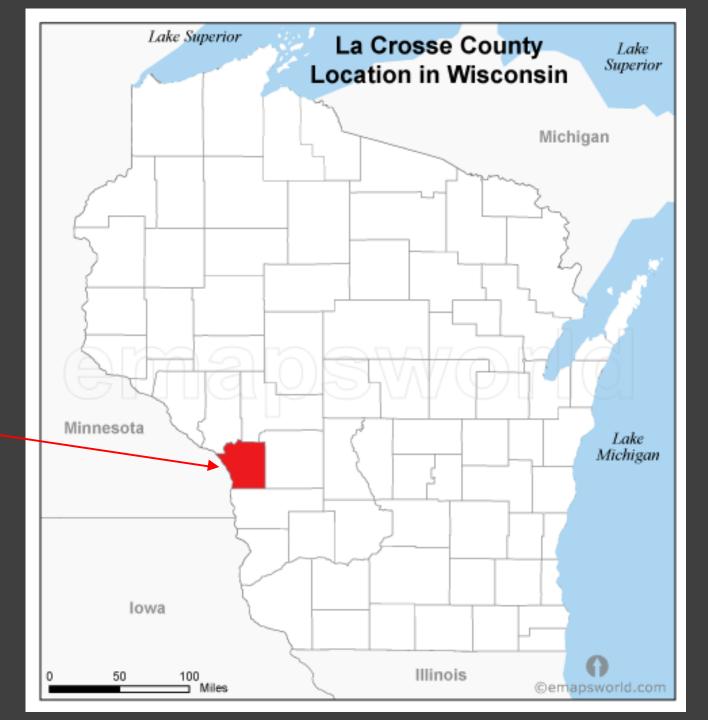
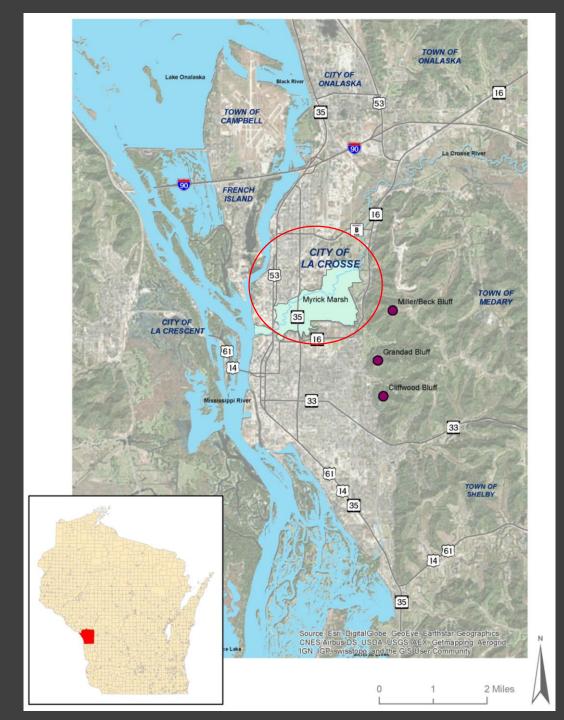
# Emerging Transportation Trends A look at 70 years of transportation debate

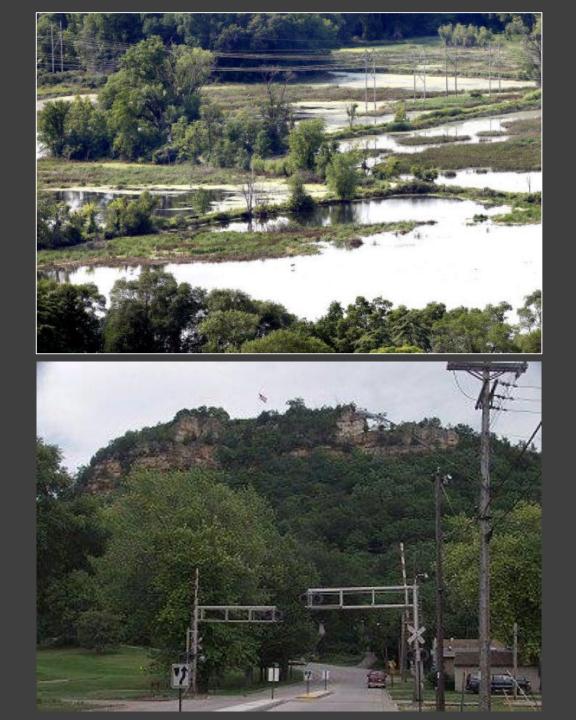
APA-WI Annual Planning Conference September 22, 2016

> Darren Fortney, AICP Nate Day, AICP

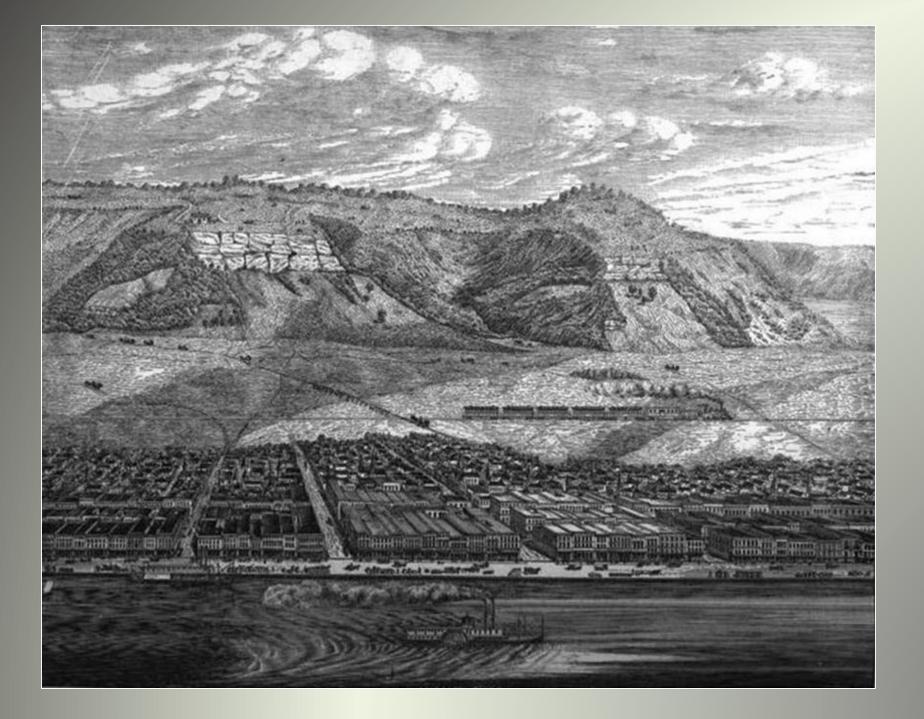




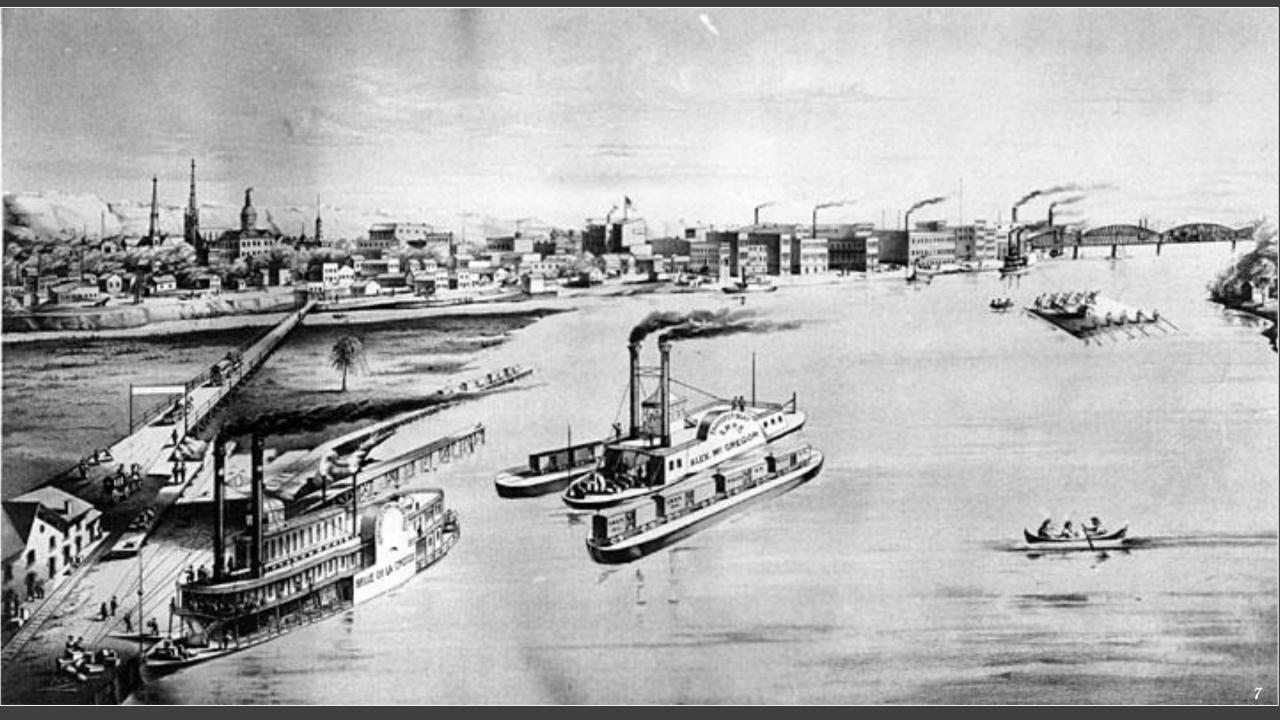








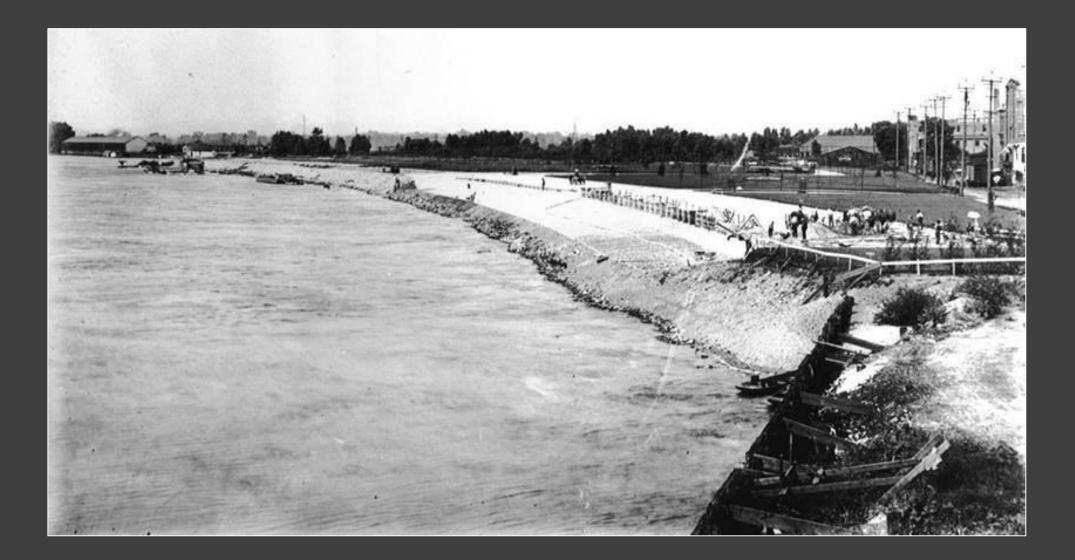


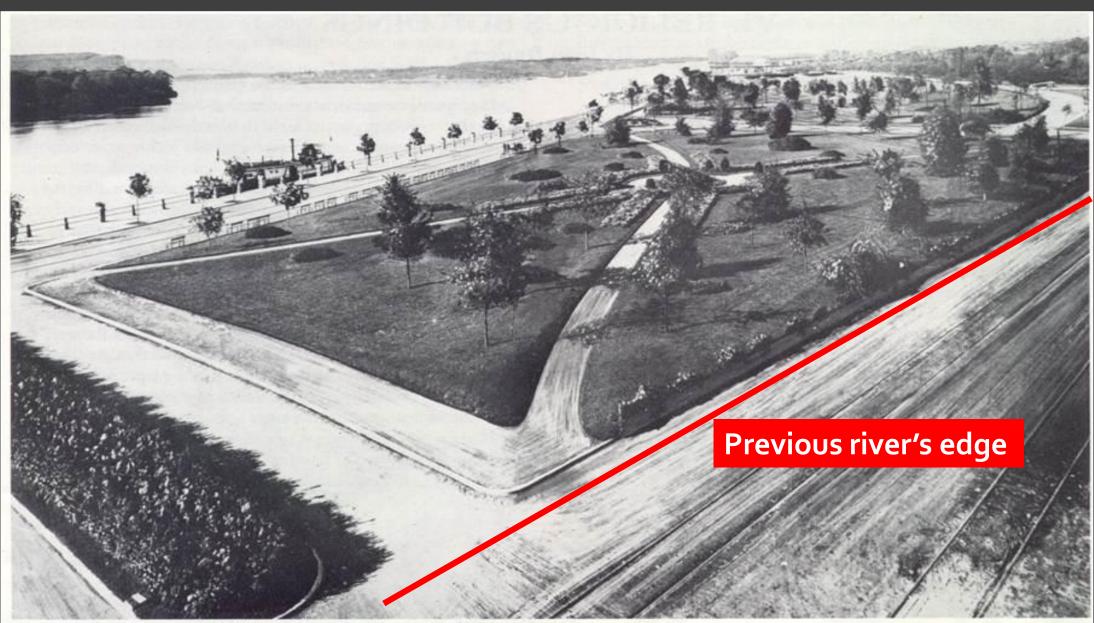










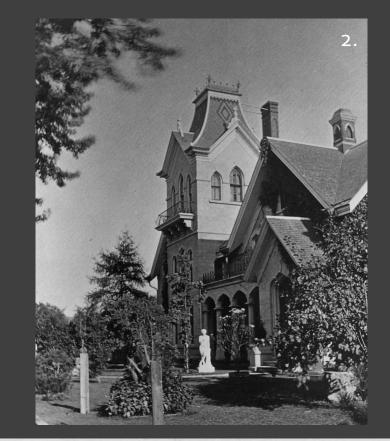


Riverside Park (Levee Park) John Nolen, Landscape Architect, 1911 (photo c. 1914)



























# Roads



# Freight – Port of La Crosse

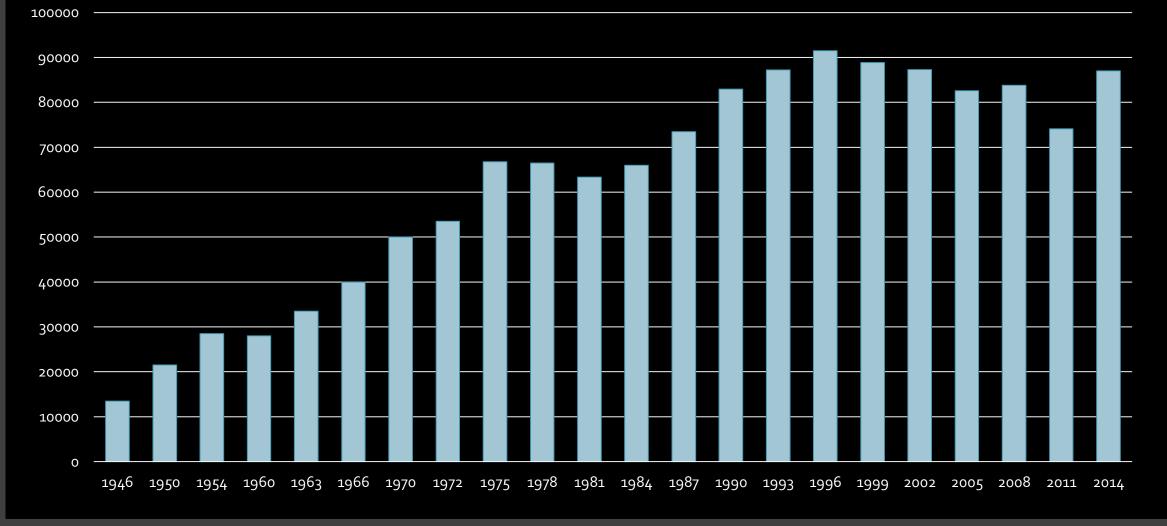
Handles 1 million tons annually

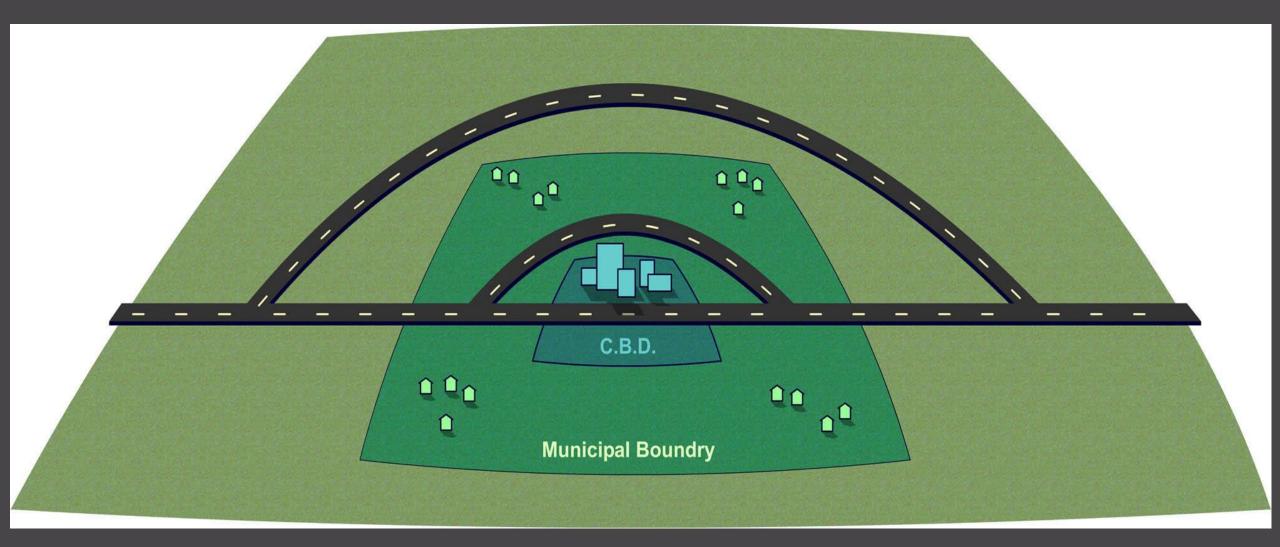
- Liquids
- Cement
- Grain
- General bulk products

Source: Iowa DOT

Mode of Transportation	Tons of Cargo	Bushels of Cargo	Gallons of Cargo
One Barge	1,500 tons	52,500 bushels	453,600 gallons
One Rail Car	100 tons	3,500 bushels	30,240 gallons
100-car Train Unit	10,000 tons	350,000 bushels	3,024,000 gallons
Large Semi	26 tons	910 bushels	7,865 gallons

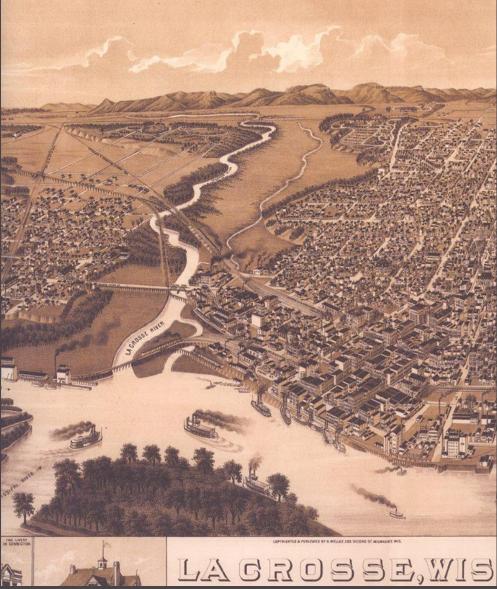
Total Traffic at the La Crosse River US 53, WIS 16, WIS 35

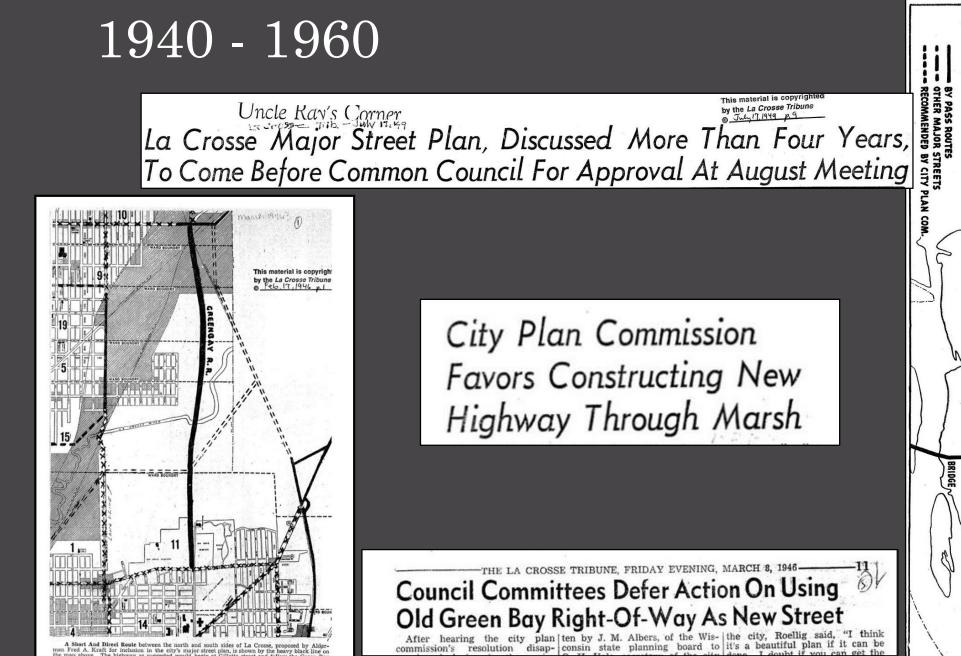


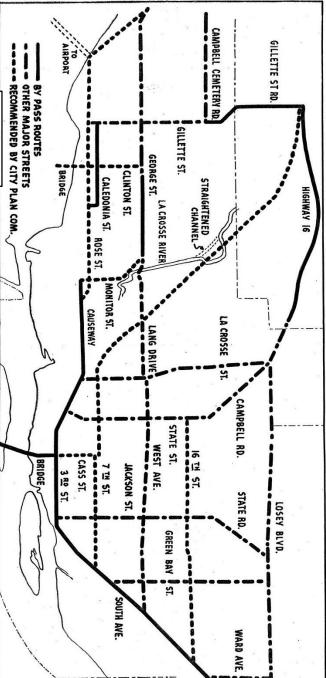




## 1932 – First Road through marsh (Lang Drive)





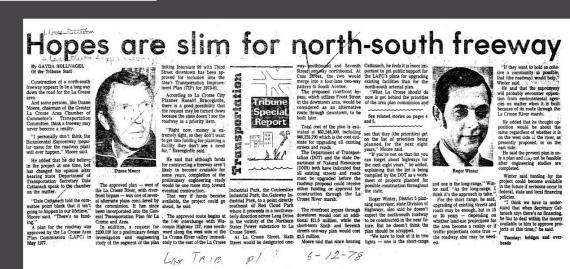


### 1960 - 1980

	4-La Crosse Tribune, Friday, June 16, 1978	© <u>VERICIA</u>		Jro Yro V		By Marybeth Clark Of The Gazetic Staff It may be another 10 to 25 years before
This material is copyrighted by the La Crosse Tribune Trades Council Trades Council Urges Downtown reeway System		<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>	<text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text>		<section-header><section-header><section-header><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header>	Of the Gravits Staff He another 10 to 25 years before access as a scatter of the second scatter of t
Reeway System						marsh. Bracegirdle refused to be pinned down on a date when La Crossites could expect to have a north-south roadway, saying that planned immovements of existing stress.

past - loss of tax base through for possible abandonment west By GRANT BLUM demolition of homes and busi- of Lang Drive. Tribune Staff Writer ness, and environmental opposi- "It will generate the least

Fr



planned improvements of existing streets could hundle the present traffic load

2-Coulce Gazette, Wednesday, April 26, 1978

Government

It is projected traffic increases for the ext decade that will necessitate an expressway, he said.

expressively, he said. Olesson noted the surprising accuracy of traffic count and flow projections made in 1966-1967 by transportation experts. "If's weird but those projections are right on target... People will have to put faith (in such studies in the future), he wild

Traffic counts made in 1966 by the State Division of Highways office at La Crosse found that 44,500 vehicles a day traveled tound that 44,300 vehicles a day traveled north-south through La Crosse at three points--Rose Street, Lang Drive and U.S. Highway 16. The projected growth called for an increase of about 2,000 vehicles a day each \*La Crosse Street and West Avenue -

ar. A review conducted in 1972 indicated the

earlier projections "were right on line," said Roger Winter of the State Division of Highways

According to all projections, La Crosse will need in addition to improvements that would maximize efficient use of existing facilities. a "freeway type facility" be-tween the northern and the southern urban tacinities, a 'neeway type facinity' be-tween the northern and the southern urban boundaries of the city. The expressway 'is going to be built precement and a lot of it could be built relatively soon-within 10 years. But some

relatively scon-within 10 years. But some of it's probably not going to be built for 25 years." Bracegirdle concluded. Saying that some portions of the ex-pressway could probably be constructed as "demand warrants". Bracegirdle said some preliminary work-engineering and environmental impact studies on the environmental impact studies on the Street-are scheduled to 50 and Third Street-are scheduled to 50 and Street scheduled to schedule schedule scheduled to 50 and Street scheduled to schedule schedule scheduled to 50 and Street scheduled to schedule scheduled to 50 and Street scheduled to schedule schedule schedule schedule scheduled to schedule schedule schedule schedule schedule schedule schedules scheduled to schedule sc during the next two years.

While waiting for the proposed expressway to materialize, local transportation officials are implementing the first of the two alternatives suggested by the 1977 up-dated transportation plan conducted by the La Crosse Area Planning Committee

Asper S 104 1 3 PLA CRESCENT ........ Tille 11001 Ante 123 LEGEND TRAFFIC CONGESTION At or Approaching Copacity inder at ; LANE REQUIREMENTS ---------- 6-Lares Est. Proposed Attemptive

Area Freeway May Be 25 Years Away

The La Crosse Area Transportation Plan's proposed north-south expressway would run in a southeasterly direction through the La Crosse River Marsh to connect with Front Street extended. It would then follow the general alignment of existing Front Street to Market Street where it would proceed in a southerly direction across Isle LaPlume Slough onto Isle La Plume. The expressway would then follow a southerty course crossing Isle La Plume Slough onto Green Island where it would proceed in a southeasterij direction to the east bank of Bluff Slough in the vacimity of East. Avenue, From this point it would follow the bank of Bluff Slough to Shelby Road where it would turn easterly and merge with Sonth Avenue. The plan also calls for signating Sixth Street one-way southbound and Seventh Street one-way rthbound from La Crosse Street to Cass Street where the two would merge into yeath Street and would function as a two-way facility to South Avenue.

and Jackson Streets. (LAPC)-namely improvement of existing Cost of the project is expected to be \$475,000 (\$332,500 federal, \$142,500 loroad systems. The expressway was suggested as a second. long-range solution to projected traffic loads to 1995. West Avenue reconstruction from Adams to Barlow Streets (2,900 feet

traffic loads to 1995. The committee is comprised of the mayors and town chairman of La Crosse. Omalaska town and city3. Shelby, Camp-bell, Medary and La Crescent, Minn, plus the chairman of the La Crosse County Board of Supervisors. In Ardred Improvements in the area plan in Mede Cost of the project is \$260,000 (\$182,000 federal, \$78,000 local). Lang Drive bridge replaced at a cost of \$400,000 (\$300,000 federal, \$100,000 lo-

U.S. Highway 53 between St. James and Monitor Streets.

that the bulk of traffic using north-south routes is non-stop is erroncous. He said the "origin and destination" studies indicate that less than five percent of the north-south traffic passes through Total cost of the project is \$1.73 million (\$1.6 federal, \$75,000 local). of the north-south traffic passes through the urban area without stopping. Even though improving the traffic capacity of existing streets and highways may satisfy state and federal transpor-tation officials, it does not always set well (31.0 tederal, 3/2,000 local). •U.S. Highway 16, including Losey Boulevard-La Crosse Street-Campbell Road intersection. Located between Mone-gan Overhead and 500 feet south of La Crosse Street, the project is estimated to ation emicrais, it does not arways set well with local residents. Most of the local projects—West Avenue expansion, Rose and Clinton Streets inter-section, Monegan Overhead—have run Crosse Street, the project is estimated to cost \$400,000 (\$280,000 federal, \$50,000 state and \$70,000 local).
 U.S. Highway S3 and Clinton Street nto strong opposition from neighborhood

Intersection Estimated cost is \$250,000 (\$175,000 federal, \$37,500 state, \$37,500 local).

90

Mullenbach said such opposition is to be Mullerback said such opposition is to be expected. "Everytime we get into an area where we project future needs, we immed-ments affect certain people who there ab-picet—it's only human nature." "But I think the city policy makers must look at the overall affect the traffic problems on the city and must make decisions based on the benefit to the catire area." said Mullenbach.

+U.S. Highway 53 and West George Street intersection signalization improve-ments. The project, which is expected to cost \$105,000 (\$94,000 federal, \$10,500

•Onalaska Main Street and Sand Lake Road intersection. Work will include signalization and channelization and will cost \$100,000 (\$70,000 federal, \$30,000 local). Onalaska's 12th Avenue South from Vilson Street to County Trunk Highway SS

(0.72 miles). Work will include new construction of roadway and is expected to cost \$460,000 (\$322,000 federal, \$138,000 local). Work will consist of shoulder paving and will cost \$425,000 (\$297,000 federal, \$127 state).

.County Trunk Highway B to be widened (0.5 miles) and two bridges to be replaced. Cost of the project, which is to begin in 1981, is \$670,000 (\$511,000 federal.)

Cost of the project, which is to begin in 1981, is \$570.00 (551.100 fedral, \$219.000 local). • Commy Trank Highway OS from State Highway 157 to U.S. Highway 16 (1.85 mles). Work will include reconstruction and widening and is expected to cost \$289.000 (\$202,300 federal, \$86,700 local).

•U.S. Highway 16 and County Trank

Highway B intersection. Work will include reconstruction, chan

nefization and signalization (0.2 miles) and will cost \$250.000 (\$225.000 federal, \$25.000 local).

U.S. Highway 16 from Medary Over-head to County Trank Highway PH (0.25

miles). Work will include reconstruction, widen-

by Town of Medary). Also included in the plan are five

roadway projects for La Crescent, which have a total cost of \$586,220. Bracegirdle, Oleson and City Engineer Bernard Mullenbach all said that improve-

ment of existing facility projects are planned to coordinate with the eventuality planned to coordinate with the eventuality of the proposed Bicentermil Expressivay. All three noted the importance of moving traffic through the City of La Crosse. "Traffic problem have a minus effect because propel will tend to avoid (the problem areas). If it becomes more con-venient to go to outlying areas, they will," explained Mallenbach.

Bracegirdle suramarized the purpose of

the immediate capacity improvement Plans--to make four-land arterials of the

Panso-to make bour-land arterials of the three major north-south thoroage/fares: Losey Boslevard-Highway 16, West Ave-nue-Lang Drive-George Street, and South Avenue-Rose Street-Highway 53. Asked why north-south traffic patterns

continue to pass through the downtown area. Bracegirdle answered that the notion that the bulk of traffic using north-south

ing and signalization and is expected to cost \$590,000 (all of the cost is to be borne

state), is scheduled to be constructed .U.S. Highway 53 and Main Street Work will include signalization and cost \$37,000 (\$24,500 federal, \$12,000 local).

area, 'said Mullenbech. Oleson agreed. "People are going to have to say "we're not going to bat each other's heads and we'll werk out a compromise". According to Ofeson,' if all improvement projects on existing roadways were com-pleted today it would sufficiently handle today's traffic flow, "But in 15 or 20 years, it's not going to be adequate," he said. it's not going to be adequate."

24







Ronald Bracceledle

Lang Drive intersection. Work will consist of road reconstruction.

increased channelization and signalization and will cost about \$600,000 (\$420,000 federal, \$180,000 local funds).

•West Avenue from King Street to

Work will consist of road reconstruction Work will consist of road reconstruction (Bracegirdle noted that West Avenue construction is deteriorating rapidly), widen to four lanes and improve signaliza-tion and channelization at Cass, Market

Adams Street (0.72 miles)





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#### North Side Dike Breaks; Dike Raised On Hwy. 53

#### 80 Feet Of Dike Along **Black River Goes Out**

#### Water Surrounds 25 Homes; Raising Dike On 53 Two Feet No Injuries, People Leaving

On 53 Two Feet By DONALD W. AFPOIRE La Cess Two Feet City crews began adding sam bags at middle and be and be as a safety was routed over George Stree during was been be as a safety was routed over George Stree during the average of the Black River east outed over George Stree during the same street and the same street and be as a day donal the friver adoug the street adove the Street adove the Street and the Street and Street and the Black River address and the same street adove the Street adove the Street adore the Black River address and the friver adoug the street adove the Street adove the Street adove the Street address and the friver adoug the street adove the Street adove the Street adove the Street address and street adove the Street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address and street adove the Street adove the Street address adove the Street adove the Street adove the Street address address address adove the Street adove the Street adove address address address adove the Street adove the Street adove address address adove the Street adove the Street adove the Street adove address address adove the Street adove address address adove the Street adove address address address adove the Street adove address address address address adove the Street adove address add

ing must be estimated.)
In the tank contains 107,000 gallons moved. Each is valued at about of gasoline, The La Crosse Free \$2.50.
Water north of the La Cresse and the second se

Whitehouse told the La crosse lue brack tive. The under win cloadet so water working enhancements of the second s ing the dike at all costs, H. L. Two national Guard trucks that about 5:30 a.m. sandbags Fiedler, chief maintenance en are standing by to evacuate af blew out of a culvert under the gineer for Wisconsin District 5, fected persons. Some people are Bainbridge Street dike in the said Monday. moving clothing out of their 1600 block.

An 18-foot crest, expected Police ordered people in the culvert was so great that the Wednesday, will put water 12 following area to leave their bags, which he est in a 1ed feet lower than the top of the homes: Hagar Street south of weighed about too pounds each teet nover than the top' of the homes; radger acteet south on weaged account on borgeome account Wisconsin dike and 3.4 feet be the Millwayse Road roundhouse when wet, "flew out the pop-low the West Channel Bridge. and from the alley west of Cope corn." "We will continue our 24-how I and X-neure to the B tack. The department dumped 10 "We will continue our 24-how I and X-neure to the B tack."

watch on the dike and bridge as River. we have done for the past Within 15 to 20 minutes after and set another 10 up if more

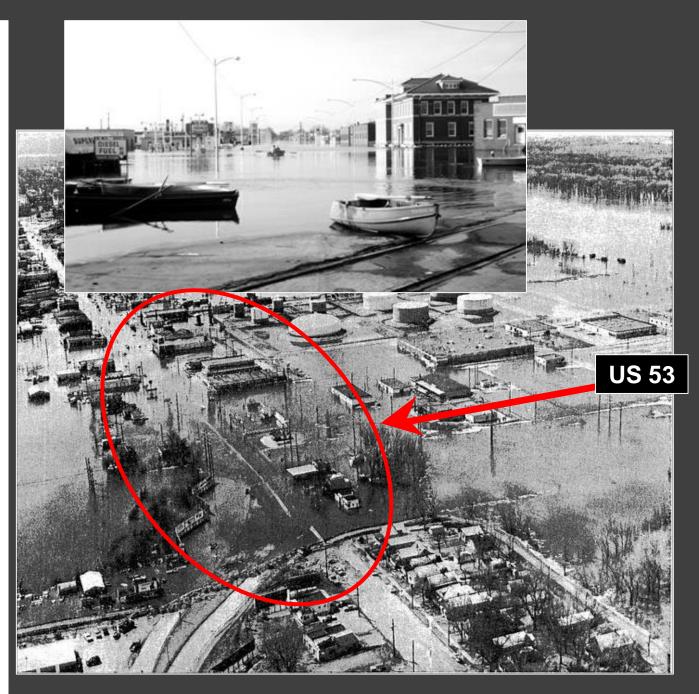
week," said Felder. Henry Langer of the Corps of Sammer Street. Engineers speculated that the One city freman estimated Island bridge has been damaged Mississipi was backing up into about eight feet of water sur- by water. "It has sunk on one the Black Kirve because the frounds the Texaco tanks be-ind and may have to be re-West Channel Bridge is holding tureen St. Andrew and Island build, "he said. The work of building un Com-

The work of building up Counback some water, and this Streets. thack some water, and th is Streets. The work of building up Coun-throws off engineering esti-mates. Five Texace and five Murphy I Highway 2014 J Highway 2014 ( mates, the Highway 33 dike Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street DikEs. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike was covered by Street Dikes. Fags Jhewan. The dike break is not Jhewan. Jhewan See FLOOD, Page 2

TO THE RESCUE-When a dike broke on the North Side Monday morning Doug Kurtz, 16, came to the rescue of Pam Wright, 15. A piggyback ride kept her feet dry .-- AP Photo.

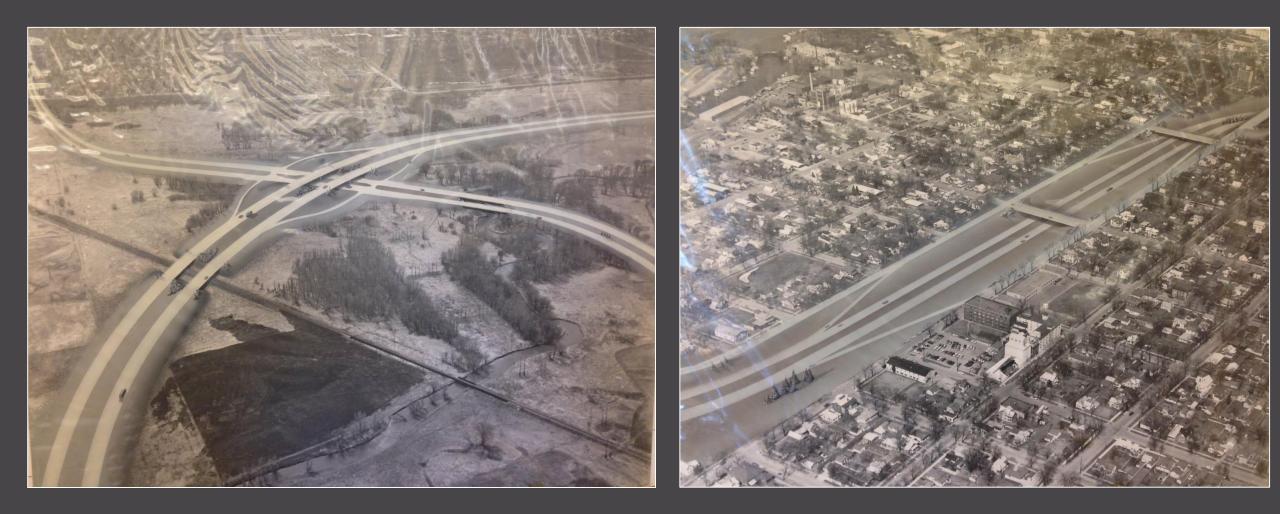


-(AP Photo) ARROWS INDICATE AREA WHERE DIKE BROKE MONDAY Center Oil Storage Tank Has Tipped Slightly.



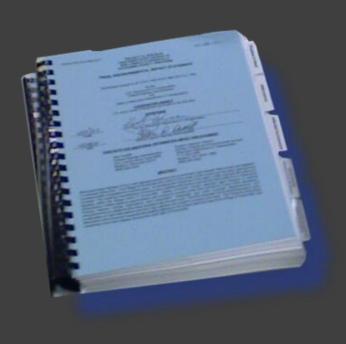


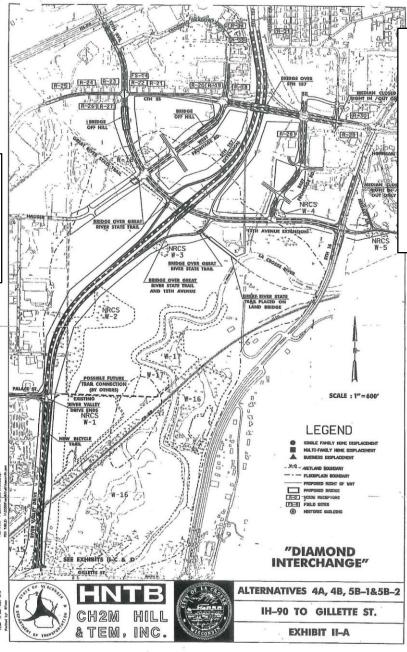
## Bicentennial Expressway (1970's)

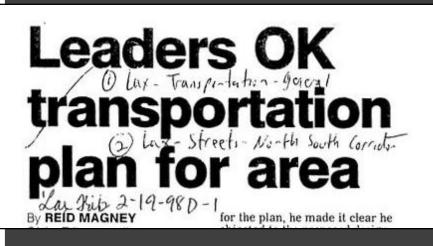


## 1980 - 2000











1980 - 2000

## North-south road divides La Crosse



Tracy said. "And while there has not been universal agreement on

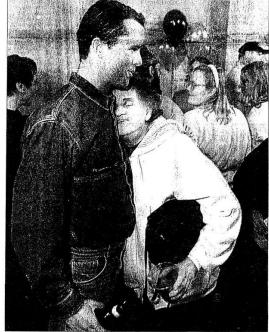
'We hope the mayor is listening'

Livable Neighborhoods hands in 3,500 signatures for north-south road referendum

Erik Daily of the Tribune stat

## 1998 Referendum





supported a new road. But Clemence

said Option 5B-1 proposed by the

Visconsin Department of

7.076 NOWICAN KEEP MY IOME," said Indian Hill resident Betty Simpson as she hugged Livable Neighborhoods president Kevin Mack Tuesday night at Jules in downtown La Crosse. City residents rejected Wisconsin Department of Transportation proposals for a new north-south road through La Crosse by overwhelmingly telling the Common Council not to pay the city's share for highway construction.

YES

11,951

NO

7.076

11.951

NO

#### By JOAN KENT Of the Tribune staff

Council for two years / A-8 La Crosse voters said loud and clear Tuesday that they don't want a new Carol Erickson, an organizer and north-south road. former president of Livable

The vote on the referendum Neighborhoods esolution, which blocks a new road Now I can keep my house," said was 11.951 for the referendum to 7.076 Betty Simpson, who lives on Indian Hill, which was in the path of the road. "It's against it. A 'yes' vote opposed the road. A 'no' vote favored it. wonderful. Now I can sleep pretty good Road opponents celebrated victory at Jules coffee shop, 327 Pearl St., toasting tonight. The people all just knew what was right.

wine and coffee, sharing hugs and applauding one another. "This is one of the greatest days in the history of the city of La Crosse, and you all contributed to this victory of the people," said Chip DeNure, a road foe who contributed about \$1,800 to the campaign. "This has renewed my faith in the

Transportation needed to be tweaked in democratic process and in the fact that segments. The mood at the People for vision and belief and philosophy and soul do make a difference because See ROAD, A-8 that's what this was all about," said

#### Vote binds Common DECISIONS

TOWN OF CAMPBELL: Voters back a proposed deal in which the town would buy water from La Crosse. TOWN OF ONALASKA: Voters said the town should participate in a pool project with Holmen but refused to approve spending \$80,000 on the project

SPARTA: With eight of "The only thing that is going to get tweaked is the mayor's nose," Common 10 precincts reporting, voters in the Sparta School Dictrict had said yes to a Council Member Charles Clemence, a nearly \$30 million referendum, by a member of Livable Neighborhoods, said referring to Mayor John Medinger, who vote of 2.575 to 1.612.

BLACK RIVER FALLS: With five of 19 precincts reporting, voters in the Black River Falls School District rejected a \$10.575 million proposal

> VIROQUA: Voters in the Viroqua School District rejected a \$4.2 million auditorium and addition proposal.

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# Road: Opponents prevail in vote

Community Solutions gathering at

525 S. Third St. was somber. "If this vote had been last spring, the

vote would have been even more against a road," said PCS spokesman Lee Rasch. "We did a good job of getting our message out. I think we did the best we could, and I believe everyone did the best they could to make it a positive message. I am proud of the community that it took a very intense issue and debated it thoroughly. It was a very positive discussion of a very . complex issue.

"The road affects the marsh and neighborhoods, and there is a cost to it," said fellow spokesperson Deb Suchla. "It impacted many hot spots, and that affected the voters' choice."

Medinger was philosophic, "I saw the yes vote coming, but I didn't think it would be that big," he said. "I love passion in politics, and the passion was on the side of the (people against the road). "This was a clear mandate about 5B-1,

because both sides focused on that," he said. "I have received the message that people in this community do not want "This was a very parochial vote

tonight," he said, "The yes people were very good at convincing people that it was not good for the city. But we can't put up a wall around the city of La Crosse.

I saw the yes vote coming, but I didn't think it would be that big. I love passion in politics, and the passion was on the side of the (people against the road). This was a clear mandate about 5B-1, because both sides focused on that." - Mayor John Medinger

Some areas of the city that would have been affected by the road voted 3-to-1 against it. In the 4th District, which includes Indian Hill, the vote was 488 in favor of the referendum to 127 opposed. In the 7th District, which includes a segment of Sixth and Seventh streets. where the road would have become a oneway pair, the vole was 607 for and 225 against it. In the 11th district, which also includes Sixth and Seventh streets, 527 voters cast ballots for the referendum to 140 against it.

The University of Wisconsin-La Crosse area, District 5, voted more than 7-1 against the road.

supported the referendum. Only three South Side districts opposed it. But the margins were narrow. In the 15th district, the vote was 741 opposed to 712 in favor. In the 16th district, the vote was 704 opposed to 688 in favor. And in the 18th district, the vote was 763 opposed to 679 in favor.

"People feel strongly about the beauty of this area." Livable Neighborhoods president Kevin Mack said when asked why he thought the vote was so overwhelming. "They have seen 50 years of the consequences of highway projects in other cities and they didn't want to see the same thing happen in this beautiful place."

The election marked the end of a long debate over whether a fourth north-south road would help or hurt La Crosse. Livable Neighborhoods, which opposed the road, petitioned last summer to put a binding referendum on the ballot. The state's referendum law, which requires that referendum resolutions be positive statements, caused the situation in which voters had to vote yes if they oppose the road and no if they favor it. The city's share of the DOT option on the table, called 5B-1, would have been

\$8 million to \$10 million of the total \$80 million cost. State and federal funds would pay the rest.

would be a lifeline from the interstate, which the city needs to keep from withering as development increases north of Interstate 90. Residents have not indicated a willingness to change their lifestyles to incorporate alternative means of transportation such as biking, they said.

Organized labor joined with business leaders in the coalition supporting the road. Their slogan was. "Now you know. vole no."

Opponents argued that taking the homes, businesses and marsh necessary to build the road is not worth the few minutes it will save drivers, and said residents and leaders must look to other means, including more use of alternatives such as car pooling, to alleviate congestion on the three existing northsouth roads.

Their slogan was, "Vote yes. Stop the road

Despite the passion with which both sides presented their views, the debate on the referendum was for the most part civil. PCS far outspent road foes, and produced television, radio and newspaper ads. Road opponents campaigned with activities including marsh walks and a Monday night marsh candlelight vigil.



### 2000 - Present

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#### North-south road still is part of long-range plan city senior planner. "It has been in the Lax-Shreet By JOAN KENT MEETING plan since it was adopted." Of the Tribune staff

A city planner says the need for a new north-south road in La Crosse still exists. two years after a heated referendum blocked the city from spending money on the project.

The debate might heat up again. The north-south corridor project remains part of a long-range transportation plan that will be presented Tuesday at an informational meeting of the La Crosse Area Planning Committee.

"The (November 1998) referendum

The referendum indicated the city can't spend any money on (a north-south road), but that doesn't remove it from the plan.

- David Truckenbrod, planner

indicated the city can't spend any money on (the road), but that doesn't remove it from the plan," said David Truckenbrod, C See ROAD, A-7

Data shows the road is needed, and the fact that residents did not feel the road was needed does not diminish the need, he said. "If that's the position the public wants, then we need to see how we can eliminate the need. We have to change the lifestyles or traffic patterns."

Kevin Mack, a leader of Livable Neighborhoods, which opposed a new road, said the group likes all aspects of the transportation plan except the

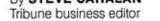
WHAT: Public information meeting TOPIC: Longrange transportation

> plan WHEN: 6:30 p.m. Tuesday

WHERE: Auditorium, Main Public Library, 800 Main St.

### Group wants budget for North-South Corridor eliminated By STEVE CAHALAN

TOM CARLSEN



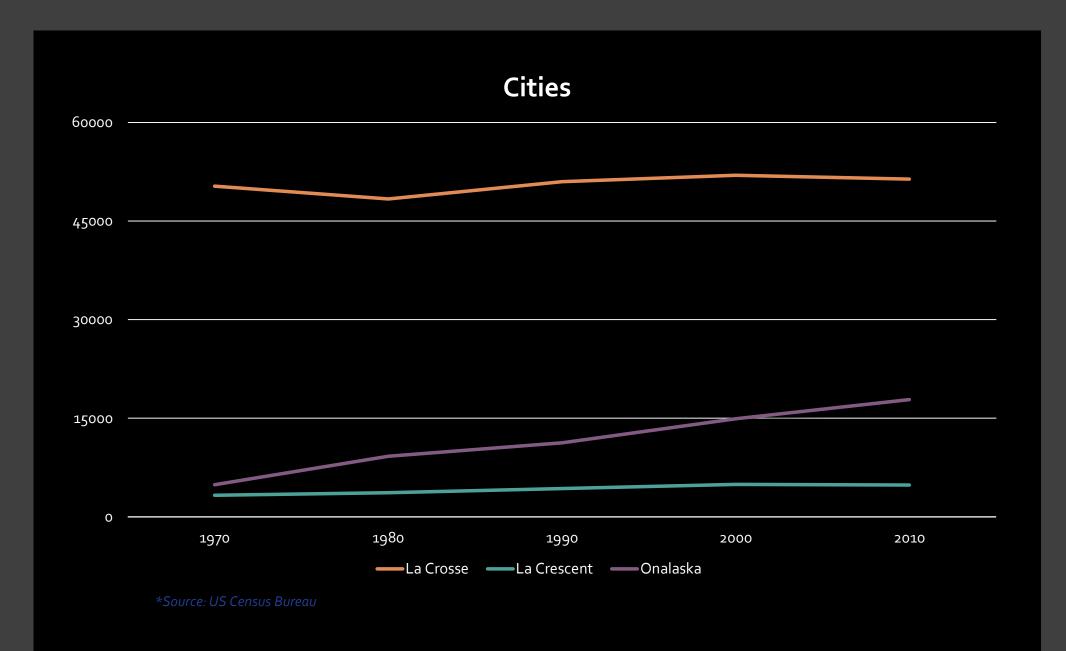


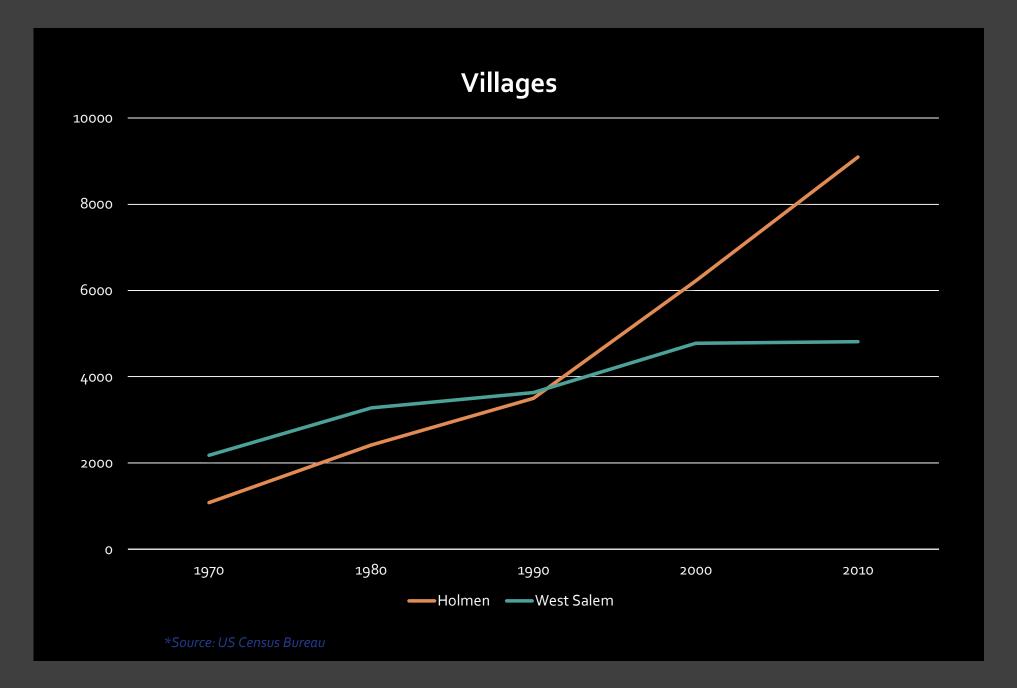
WHO: Acting secretary of the Wisconsin Department of Transportation, since April. ■ PREVIOUS JOBS: Carlsen had been chief operating officer of the department

Livable Neighborhoods, which opposed the North-South Corridor proposal that was defeated in a November 1998 referendum, wants the Wisconsin Department of Transportation to quit earmarking state and federal funds for the project.

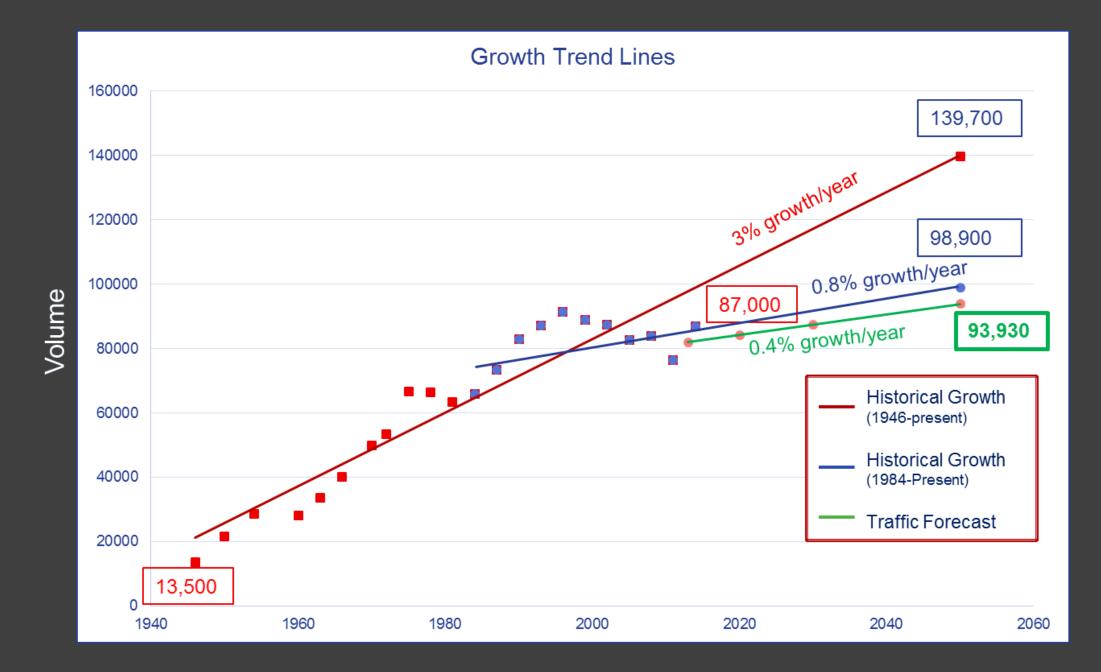
But the agency will continue to for the time being, DOT Acting Secretary Tom Carlsen said Wednesday during a question-andanswer session after his speech on transportation issues. He spoke to about 45 people at a luncheon hosted by the Greater La Crosse Area Chamber of Commerce at the Forest Hills restaurant and banquet center.

At the time of the referendum, the project's cost was estimated -at \$80 million, with \$70 million coming from the state and federal governments and about \$10 milion to come from the city of

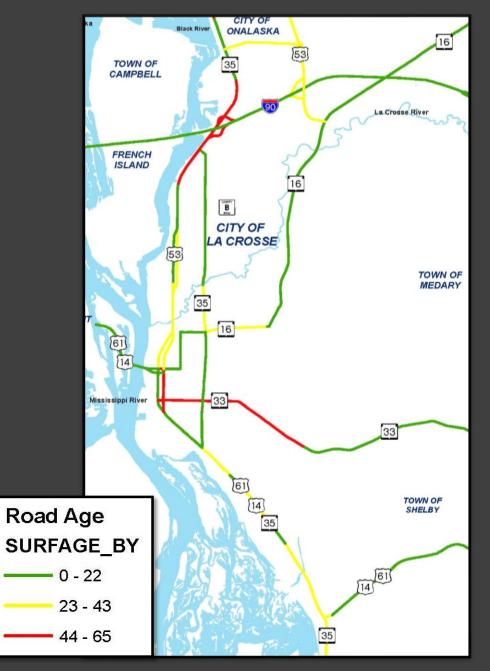








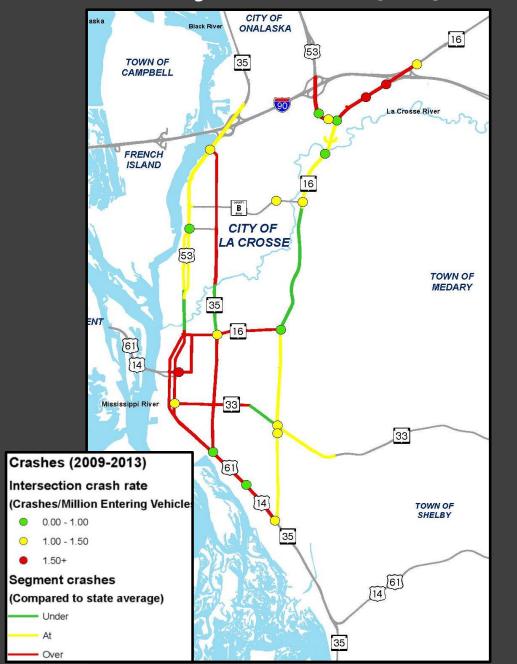
#### Pavement Surface Age

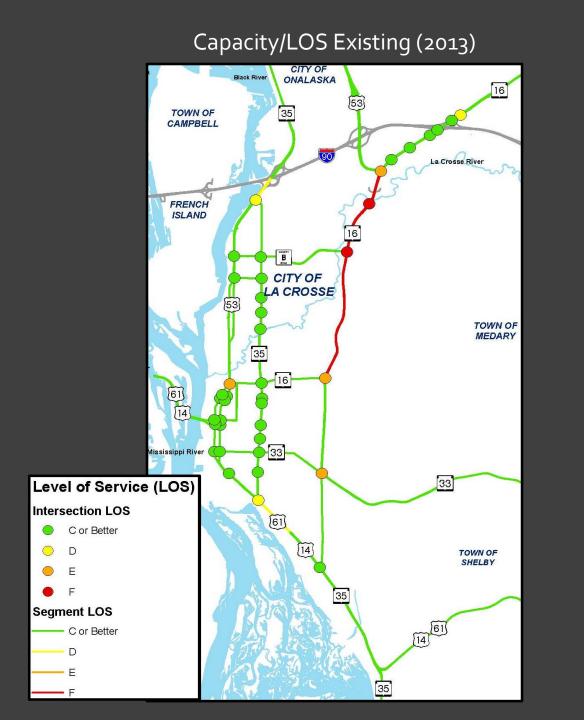


#### Pavement and Bridge Condition

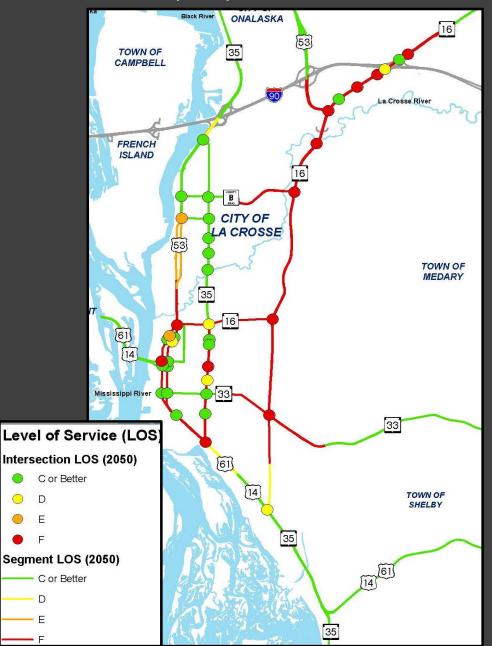


#### Existing Crash Rates (2009-2013)





#### Capacity/LOS Future (2050)



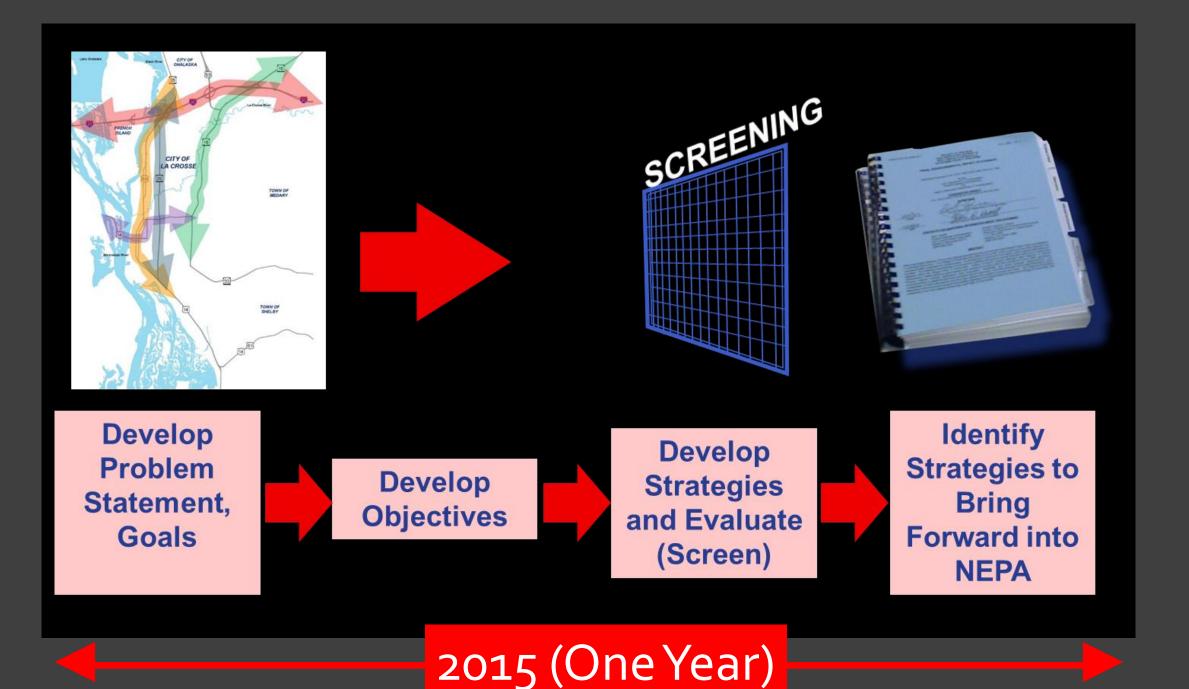
### What is Planning & Environment Linkages (PEL)?

- A collaborative approach to transportation decision making that <u>links</u> planning to National Environmental Policy Act (NEPA) by:
- Considering the area's long-term environmental, community and economic goals
- Engaging a broad spectrum of agencies and community stakeholders
- Allowing the resulting planning data, analysis, products and decisions to be used in NEPA
- A program that promotes tools and resources focused on shortening project delivery time
  - FHWA "Every Day Counts" initiative
  - Limits duplication of efforts during NEPA

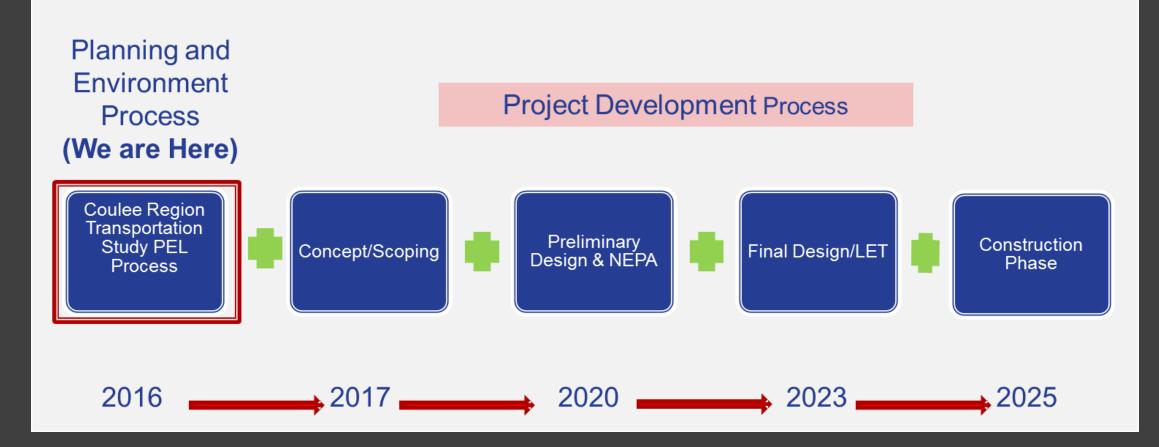






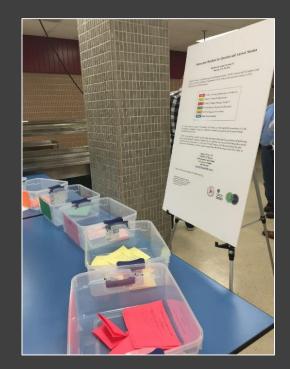


### Project Development Process



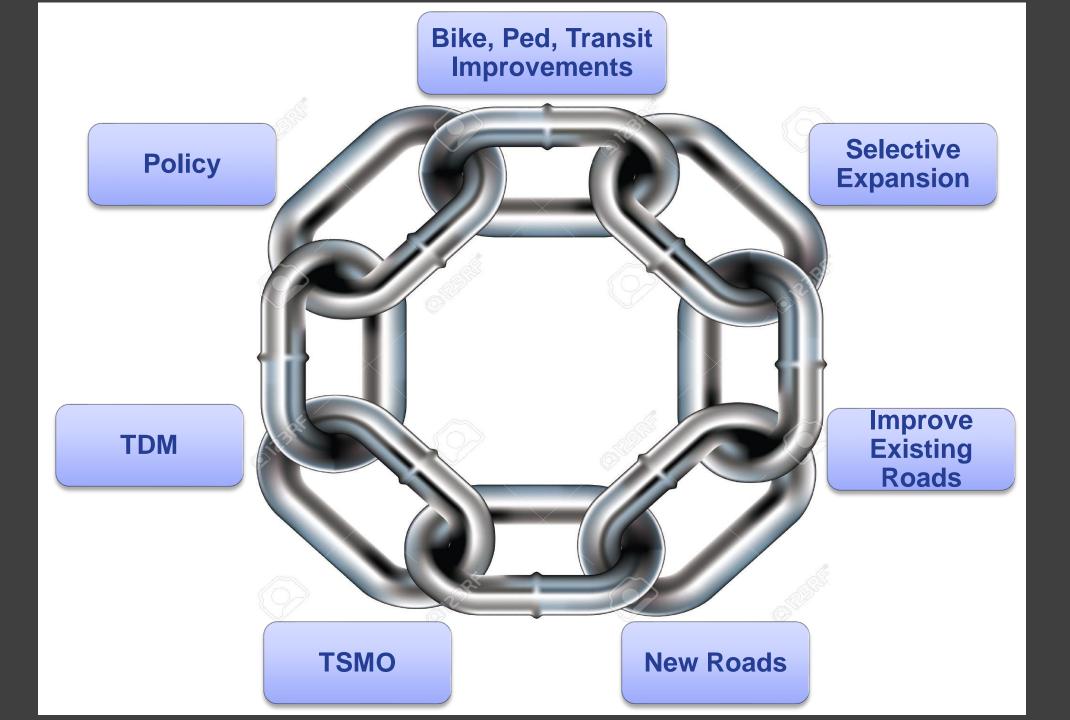


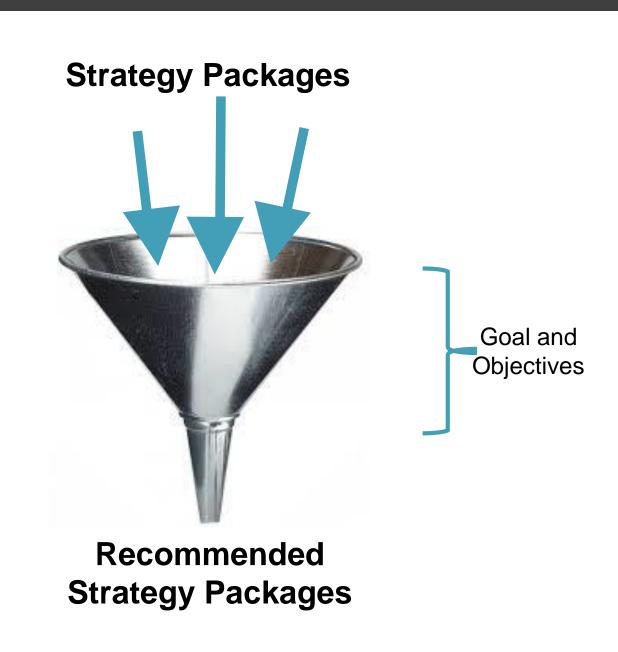








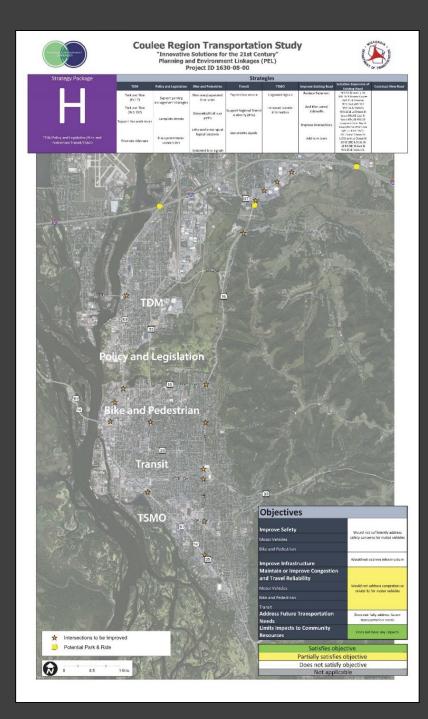


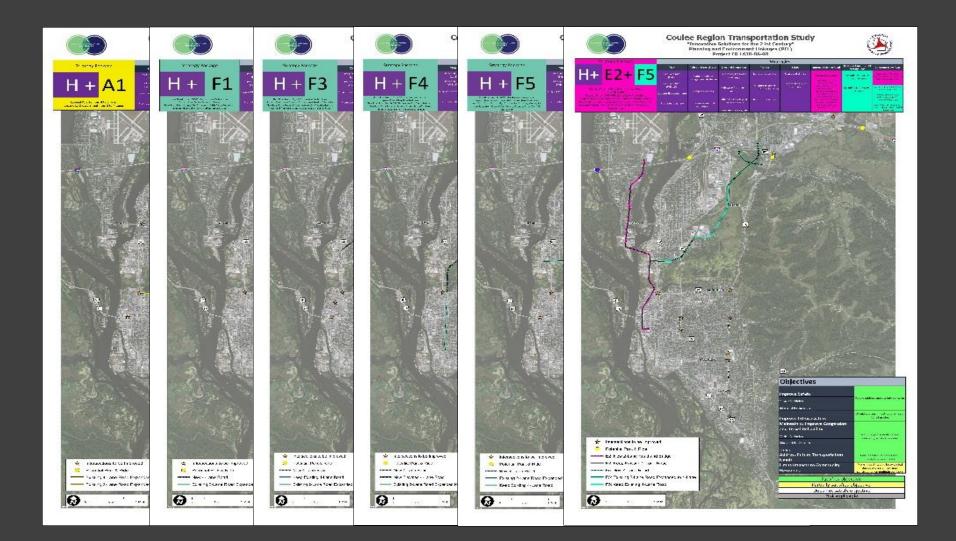


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### Strategy Package H

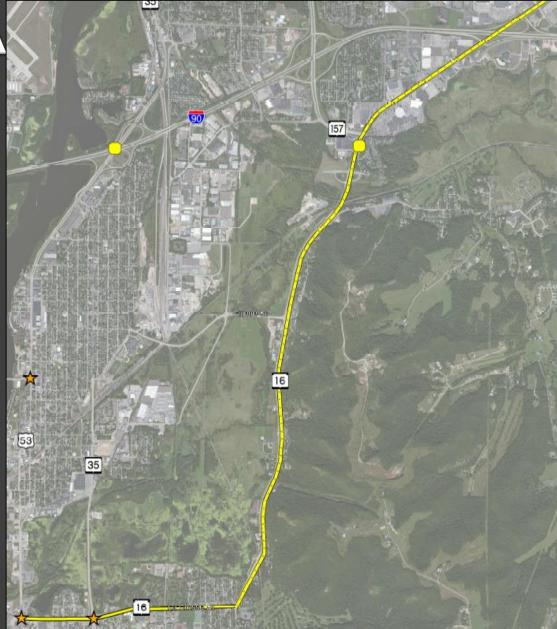
- Transit Facilities and Improvements
- TDM
- Bike and Pedestrian Facilities and Improvements
- TSMO
- Intersection Improvements
- Policy and Legislation
- Package has the ability to reduce future traffic demand by 4% but this is not enough to meet future needs





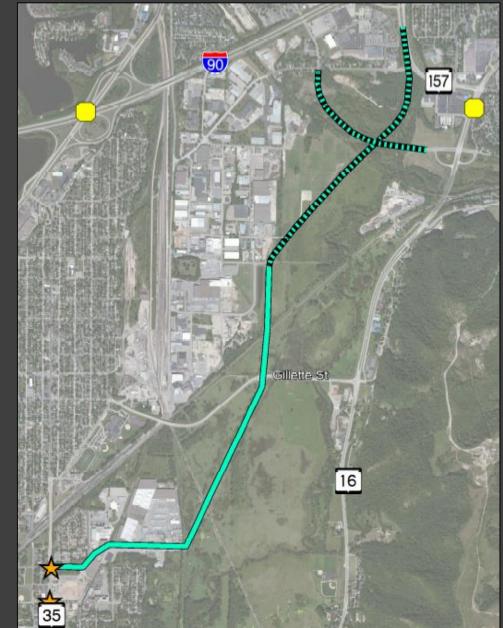
### **Strategy Package H + A** WIS 16 Expansion

- 6-lane WIS 16 from I-90 to La Crosse Street
- 4-lane La Crosse Street
- 25-45 mph roadways
- Maintains current level of operations on WIS 16
- Some minor operational improvements to WIS 35 & US 53
- Some added operational pressure to Losey Blvd



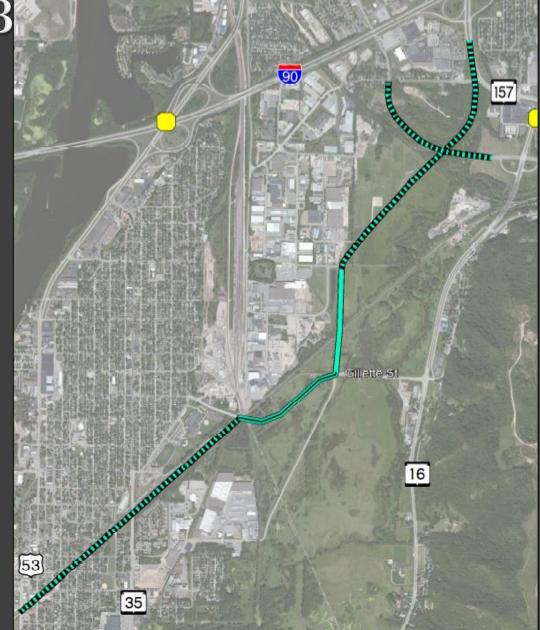
### **Strategy Package H + F1** Central Corridor

- Extend US 53 south, connect to WIS 35 at St. Cloud Street
- 4-lane roadway
- 25-45 mph roadways
- Significant operational improvements to WIS 16
- Removes bottleneck at WIS 16 & WIS 157
- Some operational improvements to US
   53
- Some added operational pressure on WIS 35



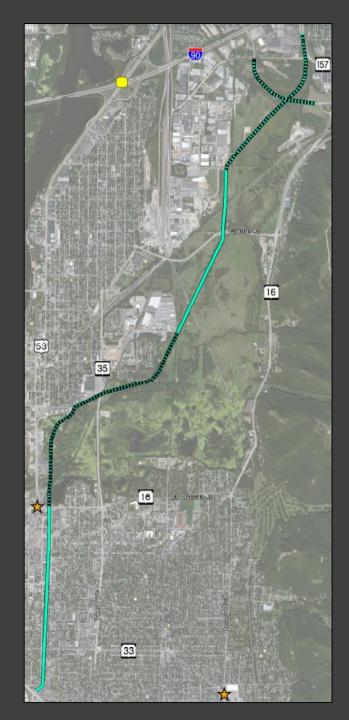
### Strategy Package H + F3 Central Corridor

- Extend US 53 south, use Gillette Street to connect to WIS 35 and US 53 along railroad corridor
- 4-lane roadway
- Significant operational improvements to WIS 16
- Removes bottleneck at WIS 16 & WIS 157
- Some operational Improvements to 35 & 53



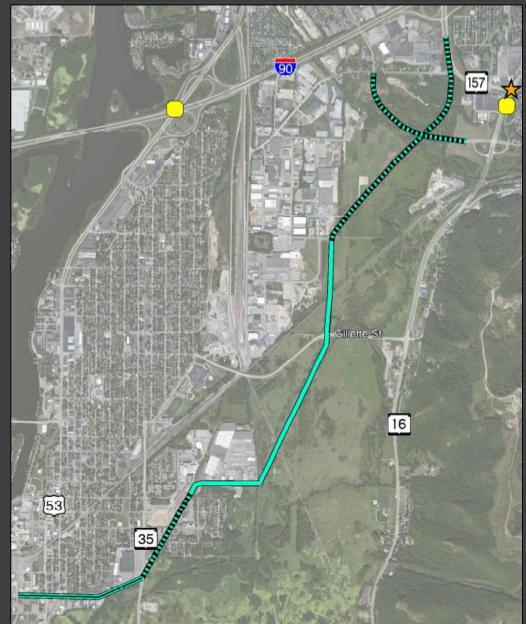
### **Strategy Package H + F4** Central Corridor

- Extend US 53 south, cross WIS 35, continue south to US 14
- 4-lane roadway
- 25-45 mph roadways
- Significant operational improvements to WIS 16
- Removes bottleneck at WIS 16 & WIS 157
- Significant operational improvements to WIS 35 & US 53
- Additional crossing of La Crosse River



### **Strategy Package H + F5** Central Corridor

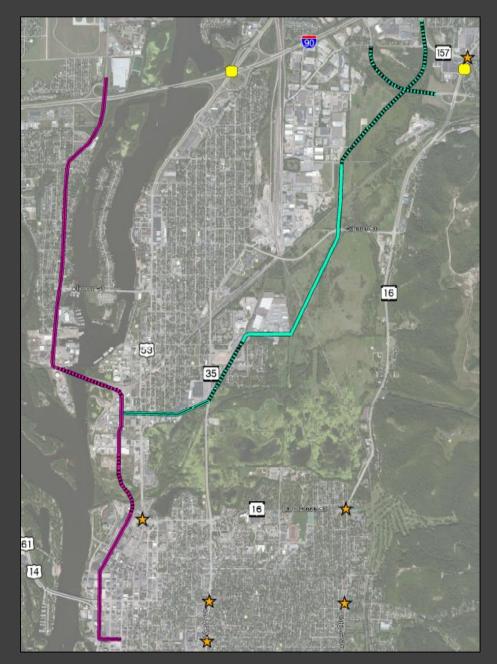
- Extend US 53 south, connect to WIS 35 at Monitor Street
- 4-lane roadway
- 25-45 mph roadways
- Significant operational improvements to WIS 16
- Removes bottleneck at WIS 16 & WIS 157
- Some operational improvements to US 53
- Some operational pressure on WIS
   35



# Strategy Package H + E2 + F5

### Central + West Corridor

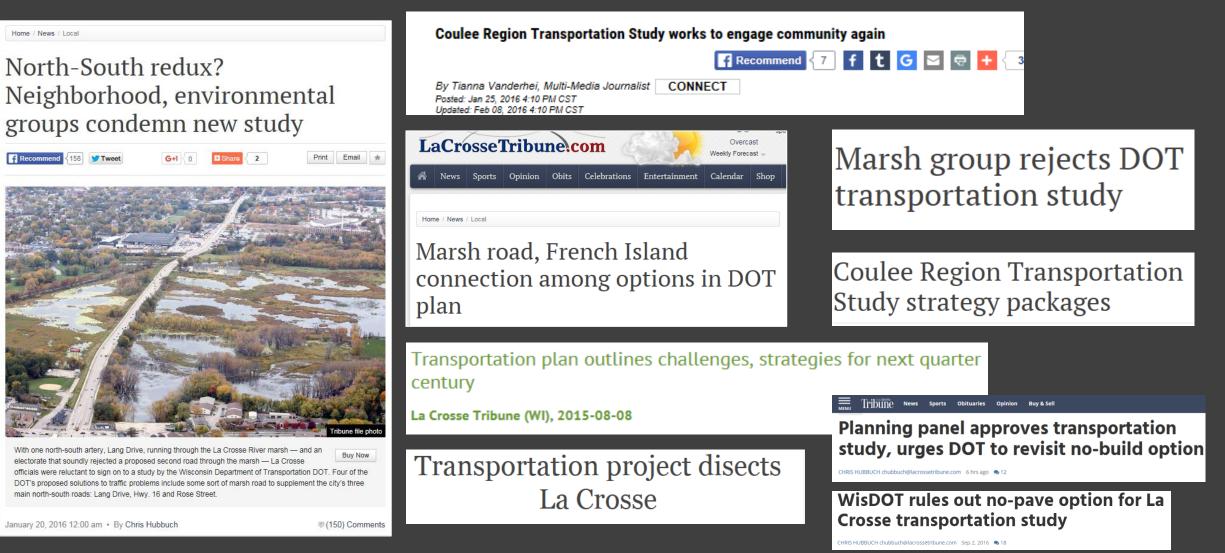
- Significant operational improvements to WIS 16
- Removes bottleneck at WIS 16 & WIS 157
- Significant operational improvements to WIS 35 & US 53
- Improves connection to Downtown
- Adds additional crossing of La Crosse River



### 2015 - Present

WI: Transportation Study Rolls Along

CHRIS HUBBUCH ON JUN 8, 2015 SOURCE: LA CROSSE TRIBUNE



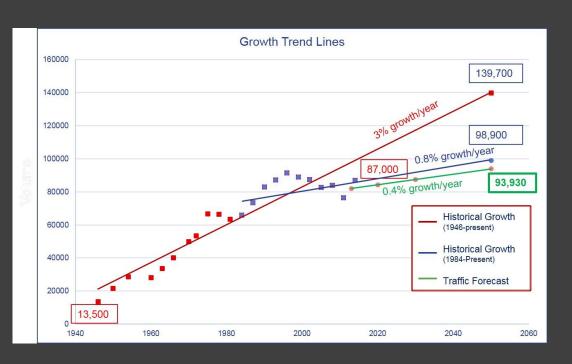
### **Emerging Trends and Topics**

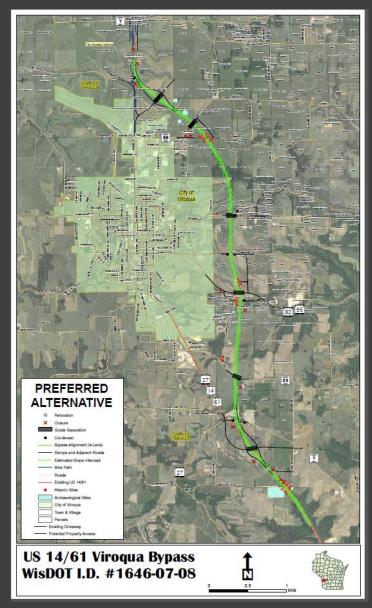
### Traffic Forecasts

#### **Project challenge**

A 19-mile expansion project of Highway 23 between Fond du Lac and Plymouth is the focus of a legal challenge. The project is scheduled to begin in 2012.







### No-Build Options/Preservation







### Alternative Transportation Modes

#### MILLENNIALS WANT MORE PUBLIC TRANSPORTATION







## INTRODUCING: UberPool

**DROP OFF PASSENGER 2** 

PICK UP PASSENGER 1

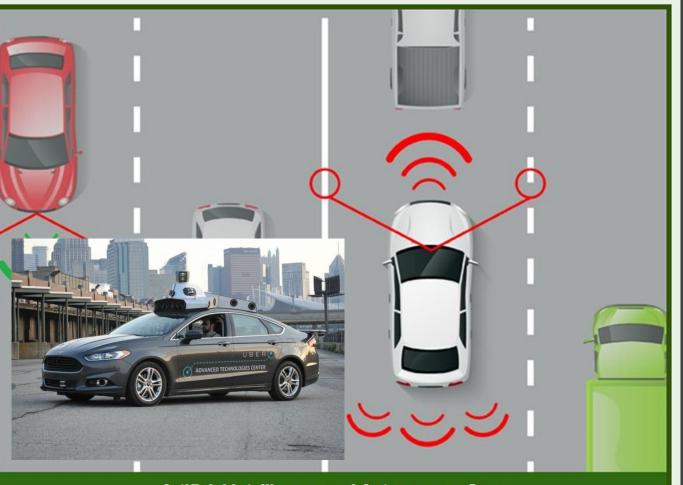
PICK UP PASSENGER 2

DROP OFF PASSENGER 1

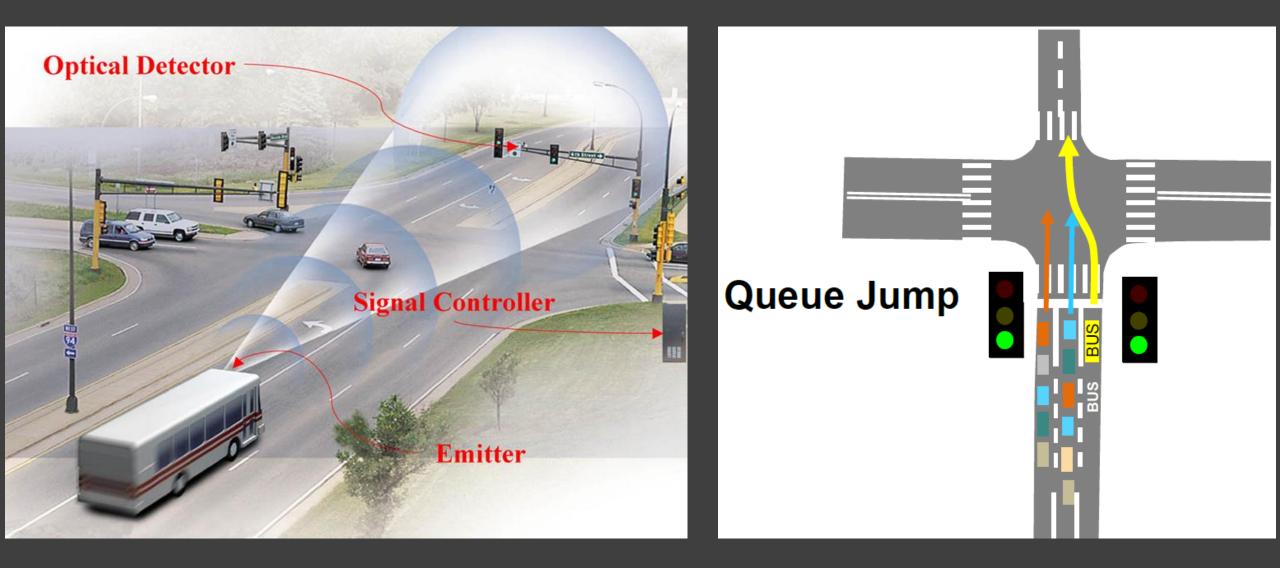


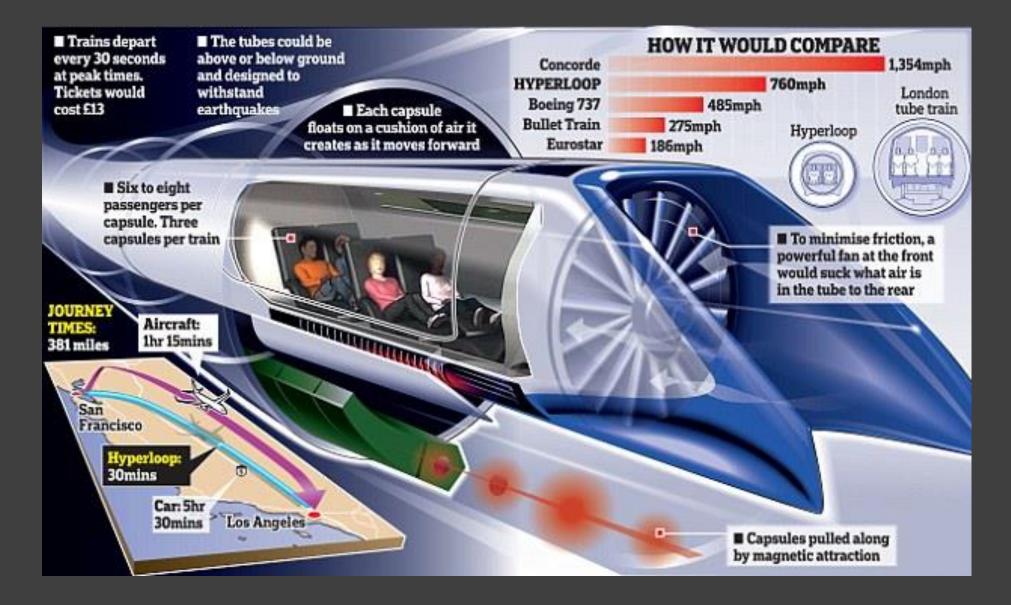






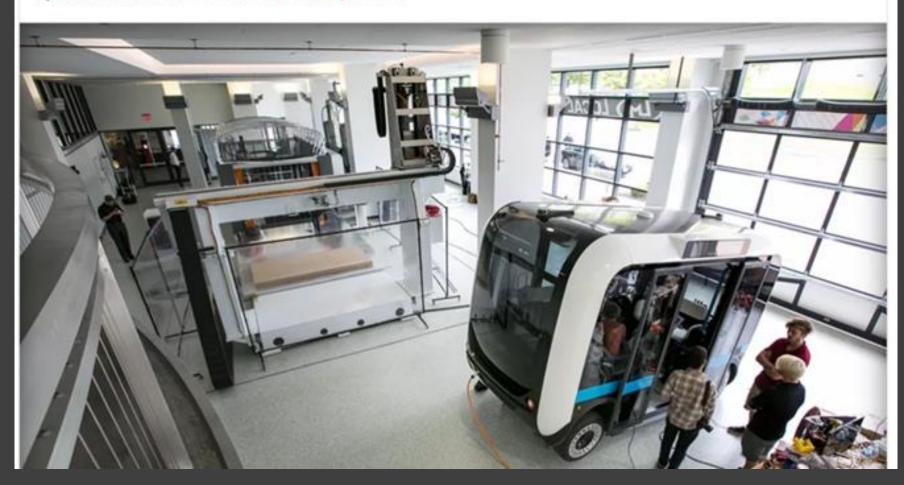
**Artificial Intelligence and Autonomous Cars** 





## This autonomous, 3D-printed bus starts giving rides in Washington, DC today

By Tamara Warren on June 16, 2016 11:00 am 🛎 Email 💆 @tamaratam



COMMENTS

#### Mcity: A 32-Acre Outdoor Lab

Straight gravel roadway with a

railroad crossing.

Traffic circle, a

in the U.S.

metal poles, and

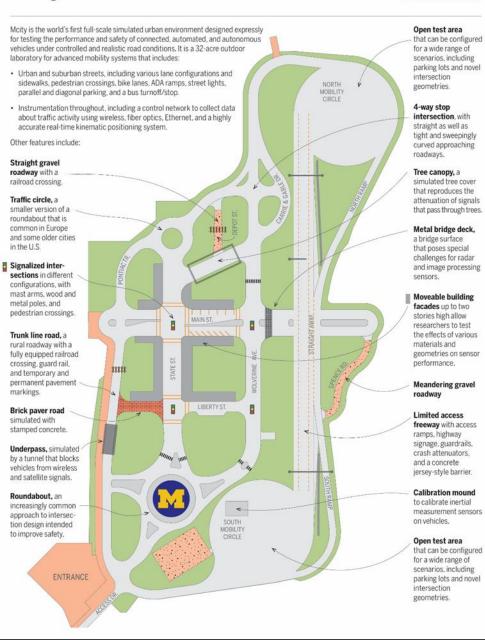
markings.

simulated with

Roundabout, an

to improve safety.





*65* 

## Emerging Transportation Trends A look at 70 years of transportation debate

APA WI Annual Planning Conference September 22, 2016

> Darren Fortney, AICP Nate Day, AICP