

Memorandum



CITY OF DALLAS

DATE February 18, 2016

TO The Honorable Members of the Transportation and Trinity River Project Committee:
Lee M. Kleinman (Chair), Deputy Mayor Pro Tem Erik Wilson (Vice-Chair), Sandy Greyson,
Mayor Pro Tem Monica R. Alonzo, Adam Medrano, and Casey Thomas II

SUBJECT Dallas Horseshoe Project –
Project Update including the Margaret McDermott Bridge

On Monday, February 22, 2016, you will be briefed on Dallas Horseshoe Project – Project Update including the Margaret McDermott Bridge. The briefing materials are attached for your review.

Please feel free to contact me if you have any questions or concerns.

A handwritten signature in black ink, appearing to read 'Mark McDaniel'.

Mark McDaniel
Assistant City Manager

c: Honorable Mayor and Members of the City Council
A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, First Assistant City Manager

Eric D. Campbell, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Joey Zapata, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council



DALLAS HORSESHOE PROJECT

Project Update including the Margaret McDermott Bridge Transportation and Trinity River Project Committee
February 22, 2016





1. Horseshoe Project
2. Purpose and Need
3. Construction Update
4. Margaret McDermott Bridge Construction Update
5. Margaret McDermott Bridge Amended Funding and Maintenance Agreements

1. Horseshoe Project



I-30: from Sylvan Avenue to west of I-45
I-35E: from 8th Street to Commerce Street



1. Horseshoe Project



- Replace I-30 and I-35E bridges and connecting roadways that cross the Trinity River
- Upgrade outdated roadway geometry
- Construct additional lanes
- Margaret McDermott Bridge
- \$798 million
 - Federal, State, & Regional funding sources.
 - Local funds contribute to the Margaret McDermott Bridge and the bicycle/pedestrian trails.
- Design-Build

2. Purpose and Need



- I-30 and I-35E carry over 460,000 vehicles per weekday
- Rated in the 2010 most congested roadways in Texas
- Outdated roadway geometry
- Bridge deterioration
- Increasing costs to maintain & repair

2. Purpose and Need- Outdated Roadway Geometry



Truck crashes snarl downtown traffic

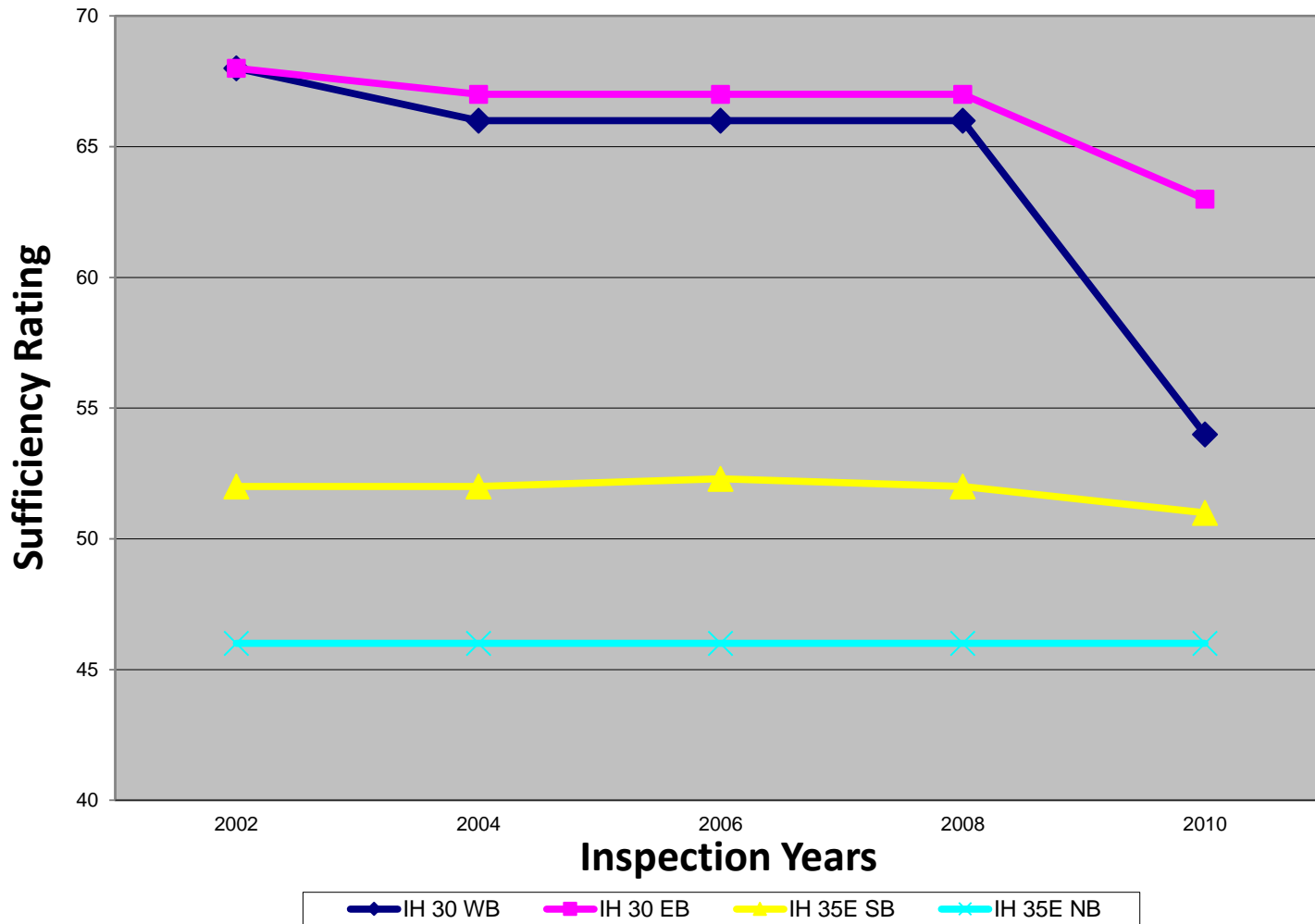


The Dallas Morning News: Erich Schlegel

Milk truck falls from ramp, spilling 5,000 gallons



2. Purpose and Need- Bridge Deterioration



2. Purpose and Need- Bridge Deterioration



I-30 Bridge Deck Repairs

2. Purpose and Need- Bridge Deterioration



I-35E Bridge Substructure



I-35E Bridge Joint at Main Span

3. Construction Update- I-35E



January 2016: I-35E looking north towards downtown

3. Construction Update- I-35E



January 2016:
Southbound I-35E at Riverfront Blvd



January 2016:
I-35E at Colorado Blvd

3. Construction Update- I-30



January 2016: I-30 looking east towards downtown

3. Construction Update- I-30



January 2016: I-30 near Riverfront Blvd



January 2016: I-30 near Beckley Ave



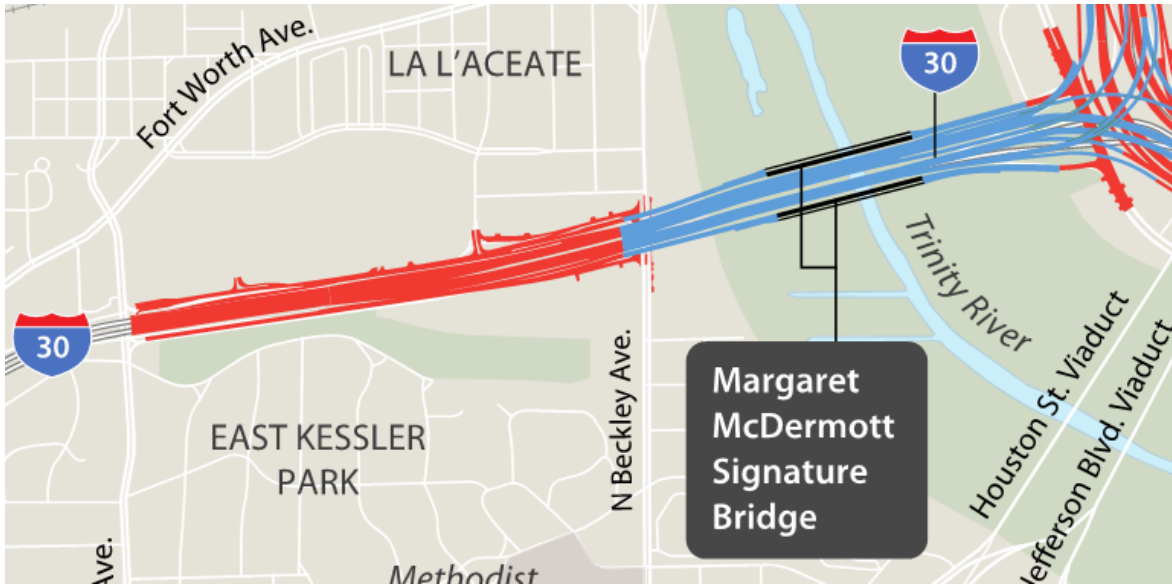
3. Construction Update



- Schedule:
 - Executed contract: February 20, 2013
 - Started Construction: August 9, 2013
 - Completion date: Summer 2017



4. Margaret McDermott Bridge Construction Update



- Hike/Bike facilities along the IH 30 eastbound and westbound frontage roads
- Designed and engineered to 100% by Santiago Calatrava, LLC through a contract with the City of Dallas
- Built by the Design-Build Contractor

4. Margaret McDermott Bridge Construction Update



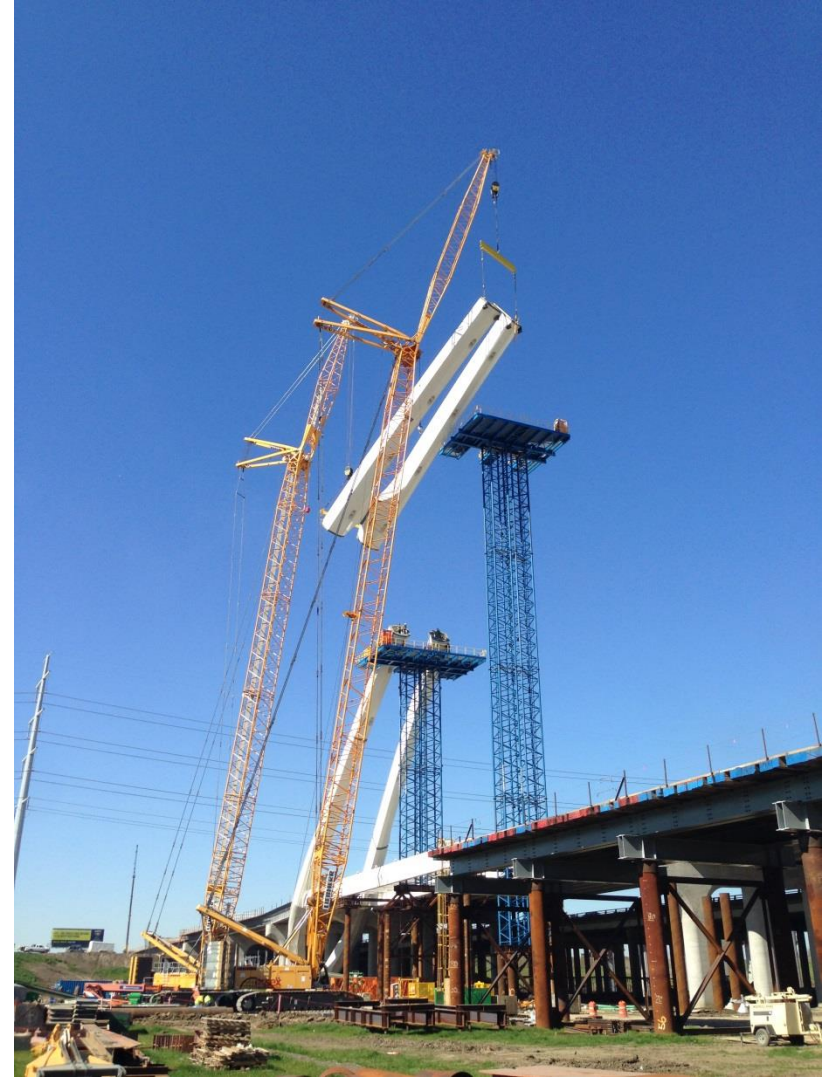
- Margaret McDermott Bridge
 - Pieces arrived November 2014
 - First segment installed January 7th
 - Total of 78 steel arch segments, 39 per arch



4. Margaret McDermott Bridge Construction Update



February 2015



4. Margaret McDermott Bridge Construction Update



March 2015



May 2015

4. Margaret McDermott Bridge Construction Update



August 2015



- Schedule and Next Steps:
 - All segments of the eastbound arch in place August 2015
 - Eastbound arch deck work mid 2016
 - Approach bridges to eastbound arch late 2016/early 2017
 - First segments lifted for westbound arch December 2015
 - Margaret McDermott Bridge (eastbound and westbound) open to the public Summer 2017



- Funding:
 - Per the construction funding agreement with TxDOT authorized on June 27, 2012, by Council Resolution No. 12-1739, the City is responsible for providing funding or identifying value engineering cost savings for the funding difference.
 - At the time of award, Margaret McDermott Bridge was underfunded by \$3.6 million.
 - \$3.1 million in value engineering and scope credits have been implemented.
 - \$595k in change orders to date, which is less than 1% of the total bridge cost.
 - Current amount owed to TxDOT = \$3.6 million - \$3.1 million + \$595k = \$1.1 million
 - Additional change orders may be needed prior to construction completion.



5. Margaret McDermott Bridge Maintenance

- Maintenance Agreement
 - Per the construction funding agreement with TxDOT authorized on June 27, 2012, by Council Resolution No. 12-1739, a separate Inspection and Maintenance Agreement between TxDOT and the City is required.
 - City of Dallas will inspect and maintain the bicycle and pedestrian components including the arches of the Margaret McDermott Bridge.
 - TxDOT will inspect and maintain the vehicular bridges.

5. Margaret McDermott Bridge





Questions

www.dallashorsehoe.com