

Memorandum



CITY OF DALLAS

DATE May 11, 2017

TO Honorable Mayor and Members of the City Council

SUBJECT **Trinity River Standing Wave Briefing**

On Wednesday, May 17, 2017, you will be briefed on the Trinity River Standing Wave. 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 'Willis Winters'.

Willis C. Winters, FAIA, Director
Park and Recreation Department

c: T.C. Broadnax, City Manager
Larry Casto, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Kimberly Bizer Tolbert, Chief of Staff to the City Manager
Majed A. Al-Ghafry, Assistant City Manager
Raquel Favela, Chief of Economic Development & Neighborhood Services
Jo M. (Jody) Puckett, P.E., Assistant City Manager (Interim)
Eric D. Campbell, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Joey Zapata, Assistant City Manager
M. Elizabeth Reich, Chief Financial Officer
Cheritta Johnson, Chief of Community Services (Interim)
Theresa O'Donnell, Chief of Resilience
Directors and Assistant Directors

Trinity River Standing Wave

City Council

May 17, 2017

Willis Winters

Director

Park and Recreation Department



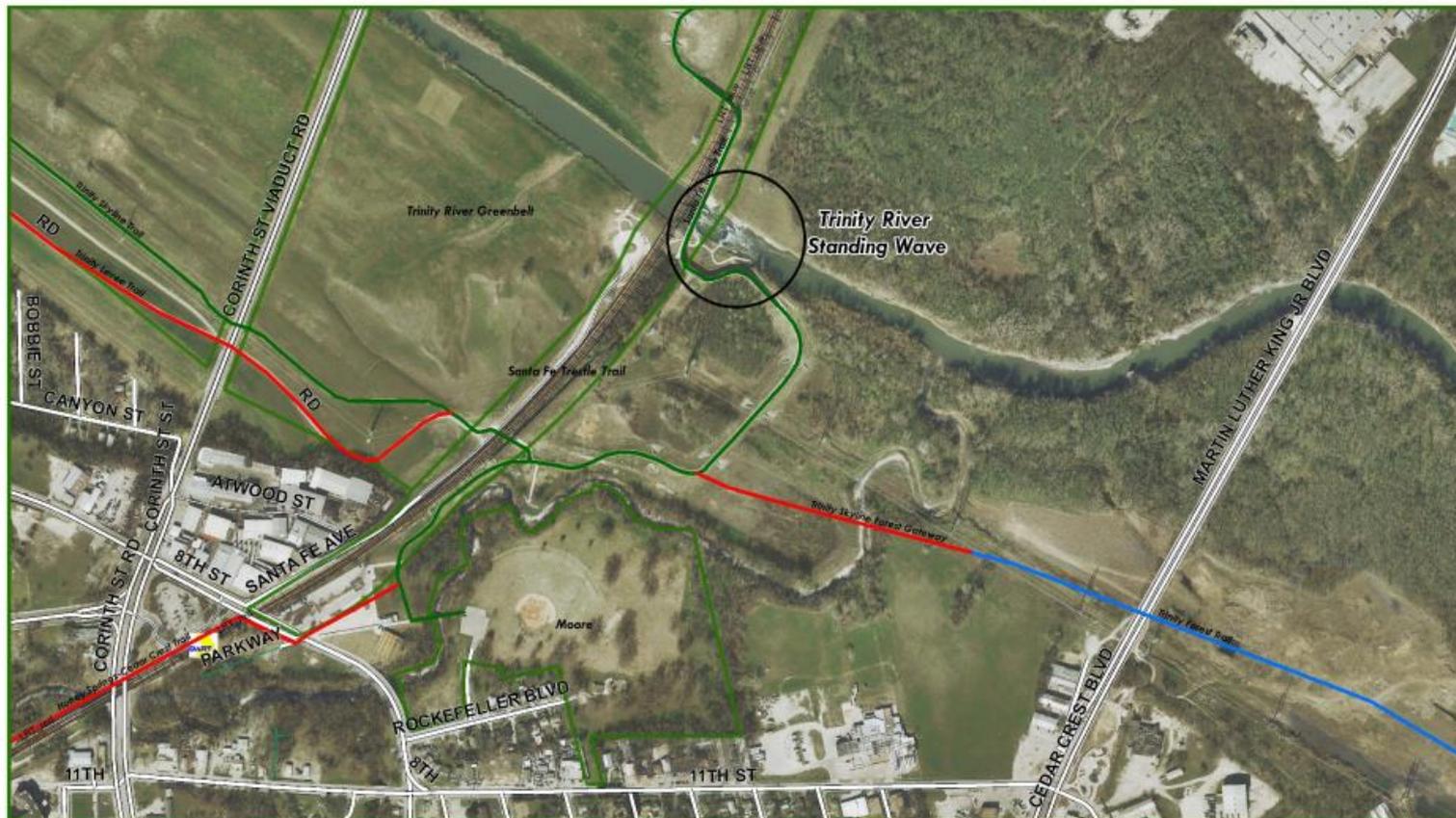
City of Dallas

Purpose of Briefing

- Provide project overview
- Show current conditions and original construction
- Present options proposed by the Design-Build firm
 - Option 1: Partial removal
 - Option 2: Complete removal
 - Option 3: Modifications to the by-pass channel



Trinity River Standing Wave – Location



0 215 430 860 1,290 Feet



**Trinity River
Standing Wave**



Mapsco
55 C

CD
4 & 7

March 30, 2017

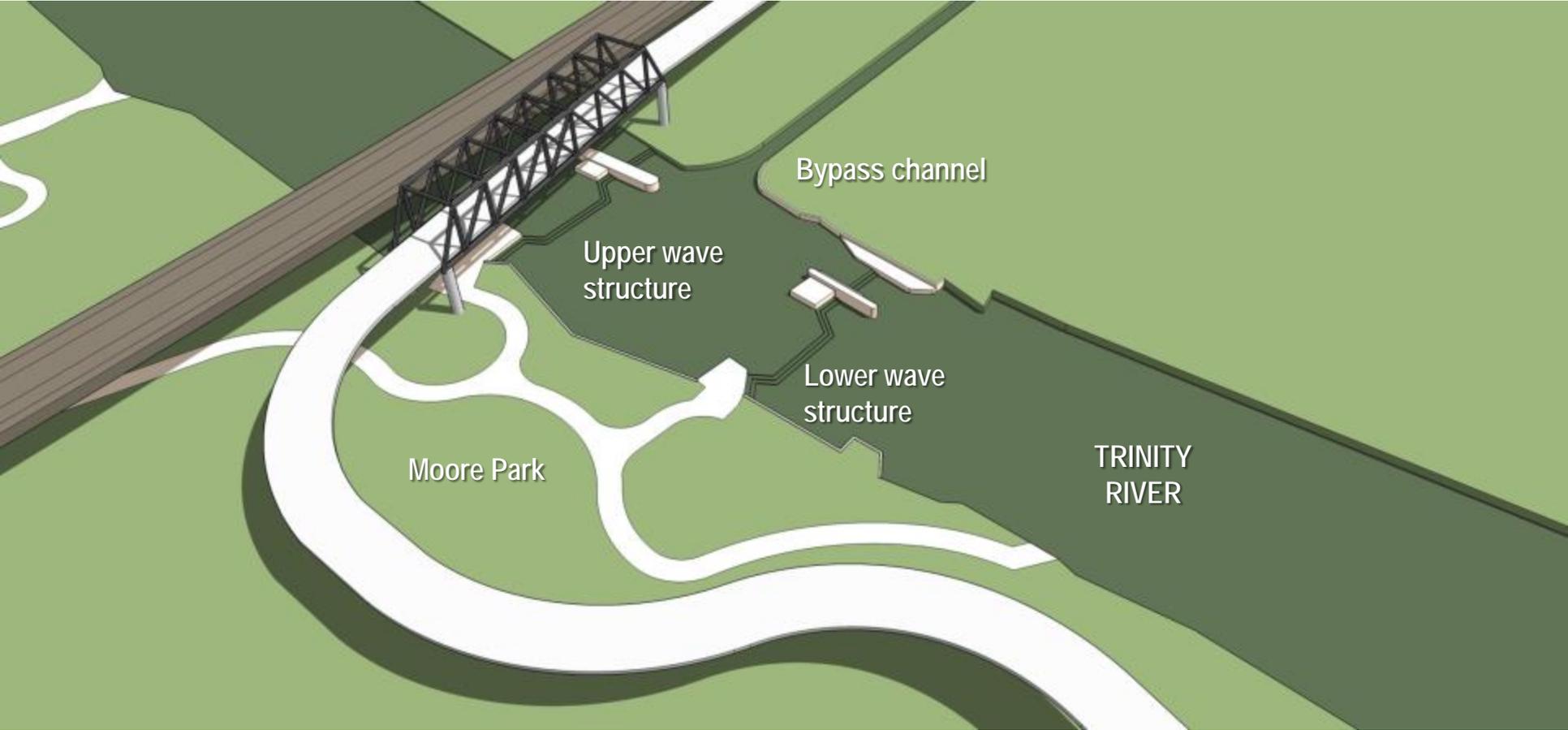
Project Overview

- Trinity Standing Wave Construction substantially complete – Winter 2010
- The United States Department of the Army Corps of Engineers (USACE) informed the City of Dallas that the Standing Wave and By-Pass Channel would not accommodate two-way motorized boat transportation – Spring 2011
- Project Consultant developed a revised by-pass channel that would allegedly meet the USACE requirements – November 2014
- City Council was briefed in January 27, 2016, and requested staff to look at options of removal and modifications to the by-pass channel to reduce project cost.
- City Council approved the use of design-build method of procurement – February 24, 2016.
- A Request for Qualifications for a design-build team was issued – March 2, 2016

Project Overview (continued)

- One firm responded, and it was determined they met the RFQ requirements
- Request for Proposal was issued requesting pricing for partial removal, complete removal and modifications to the by-pass channel – April 7, 2016
- RFP response received – May 13, 2016
- Negotiations between City, selected design-build firm and USACE regarding design and price proposals – May 2016-November 2016
- All of the options have been reviewed by the USACE

Existing Conditions



Original Construction

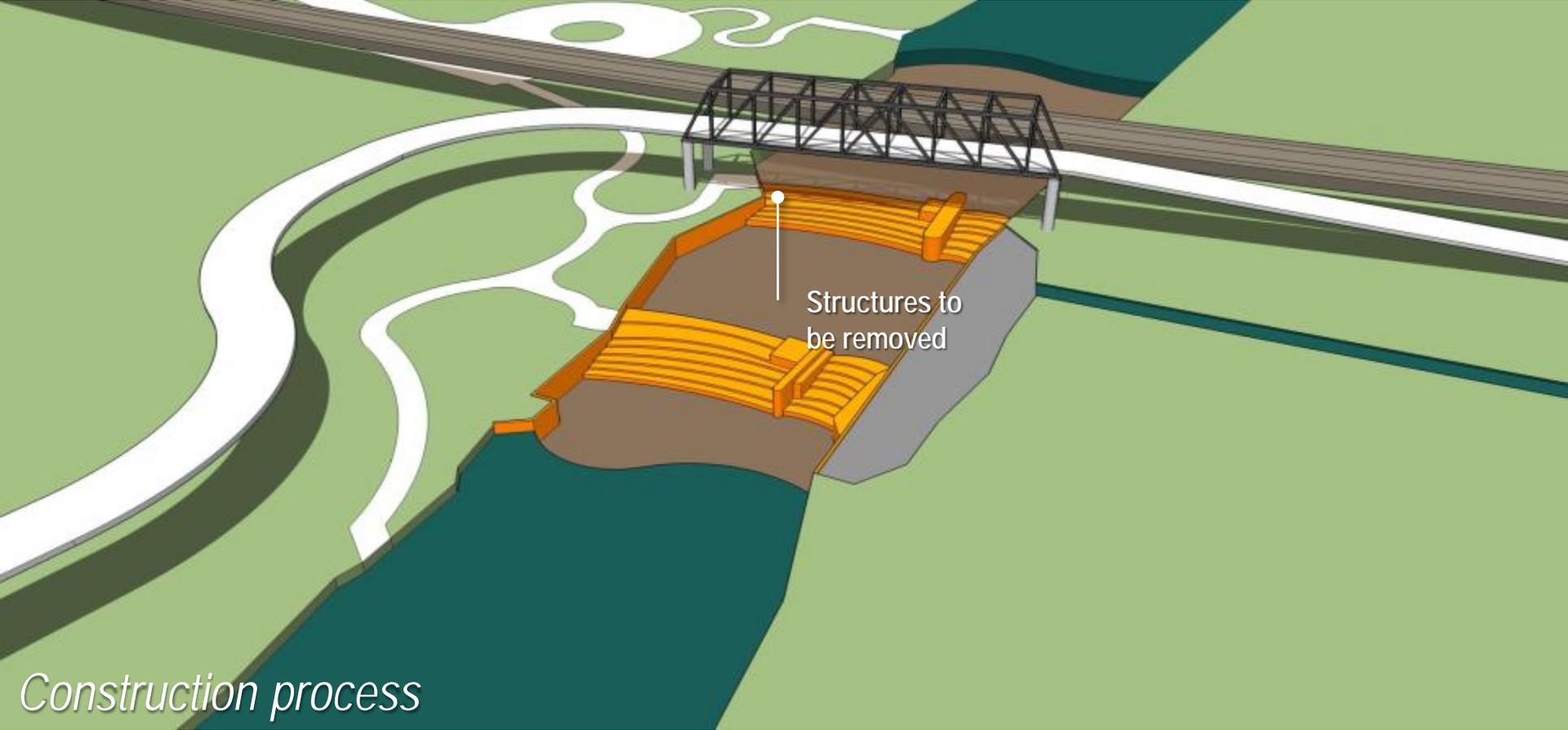


Upper coffer dam

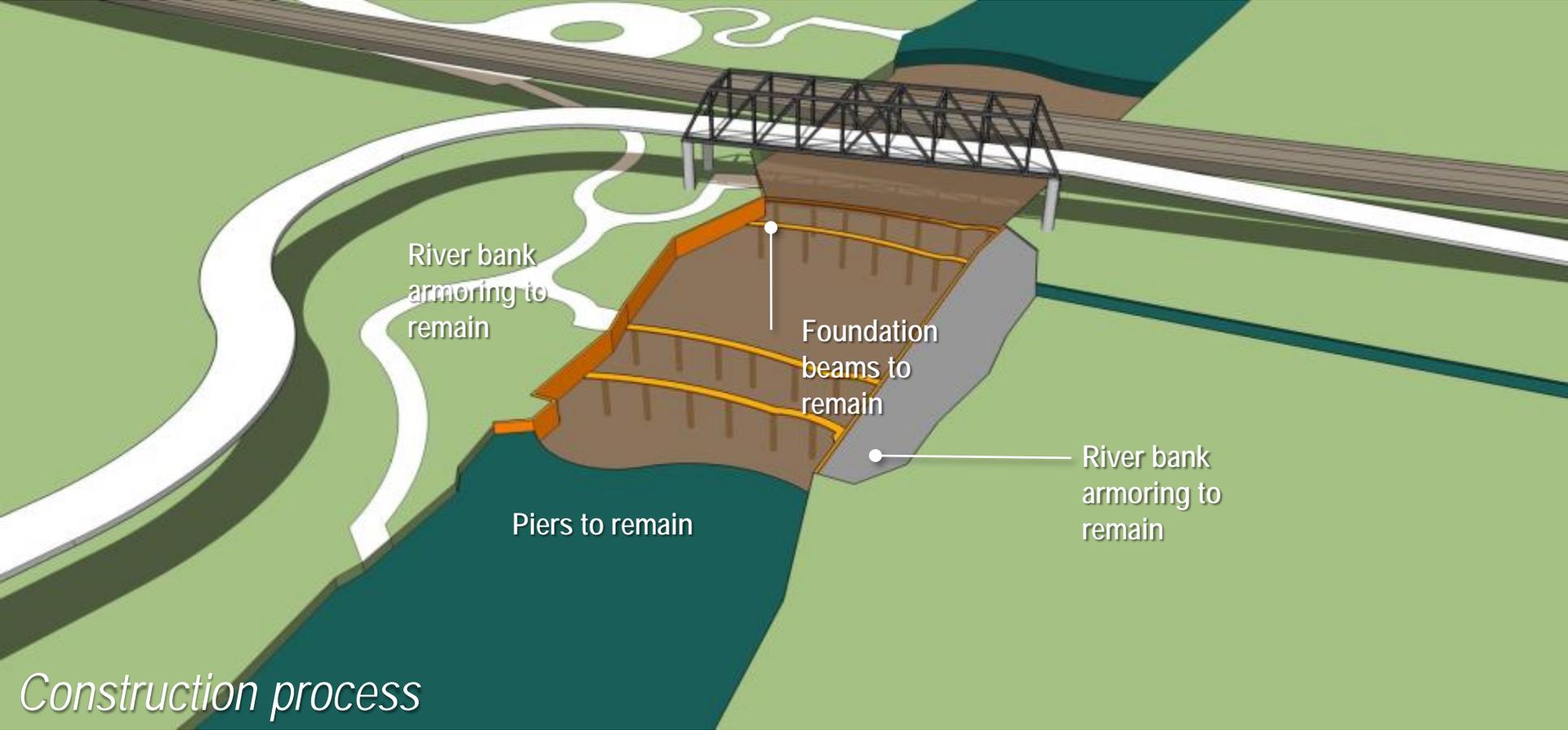
Lower coffer dam

River re-route during original construction

Option 1 – Partial Removal



Option 1 – Partial Removal



Option 1 – Partial Removal



Upstream in-channel wave and bypass structure

Option 1 – Partial Removal



Option 1 – Partial Removal



Upstream in-channel bypass structure

Option 1 – Partial Removal



Bank armoring
to remain

Removal of upstream in-channel bypass structure

Option 1 – Partial Removal



In-channel lower by-pass structure

Option 1 – Partial Removal

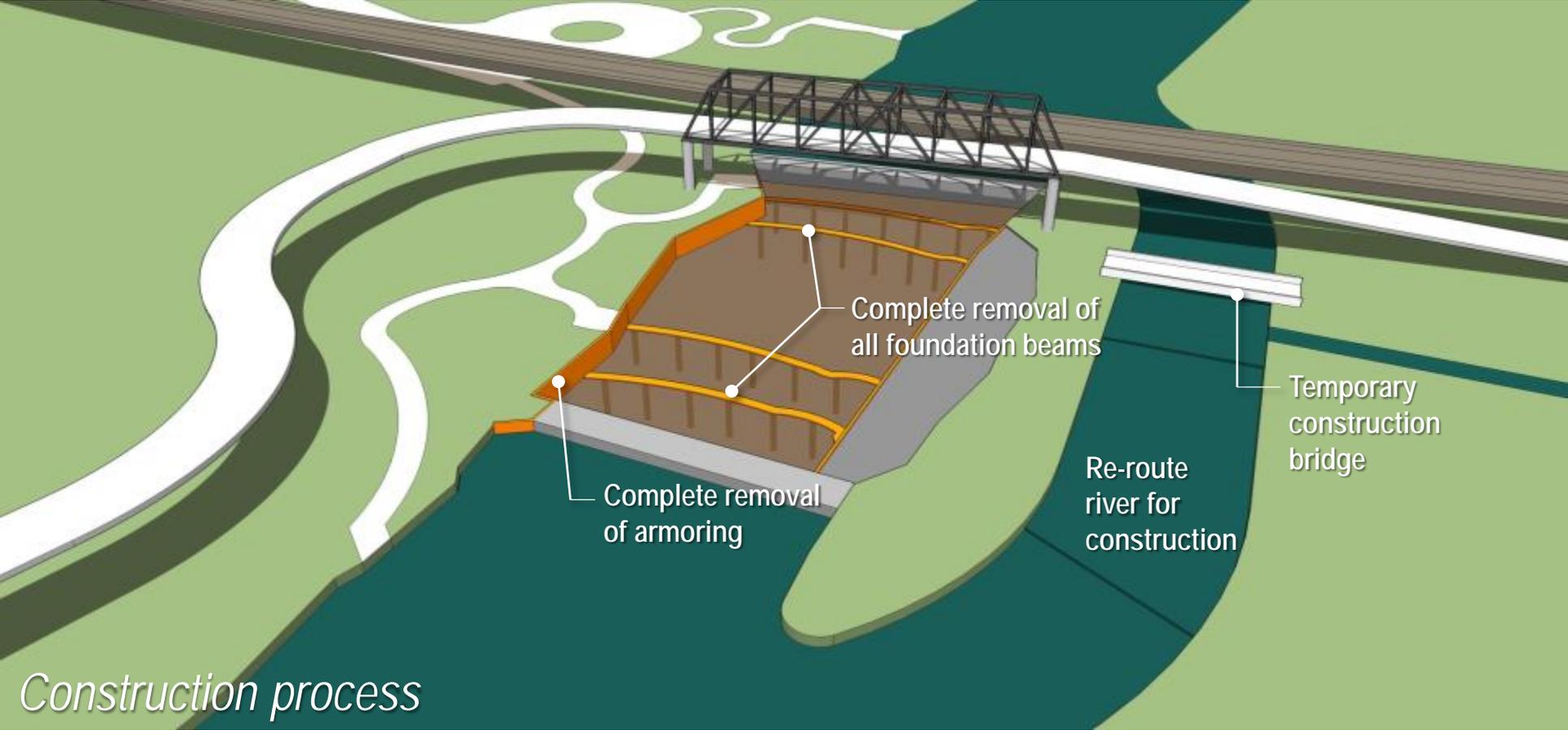


Bank armoring
to remain

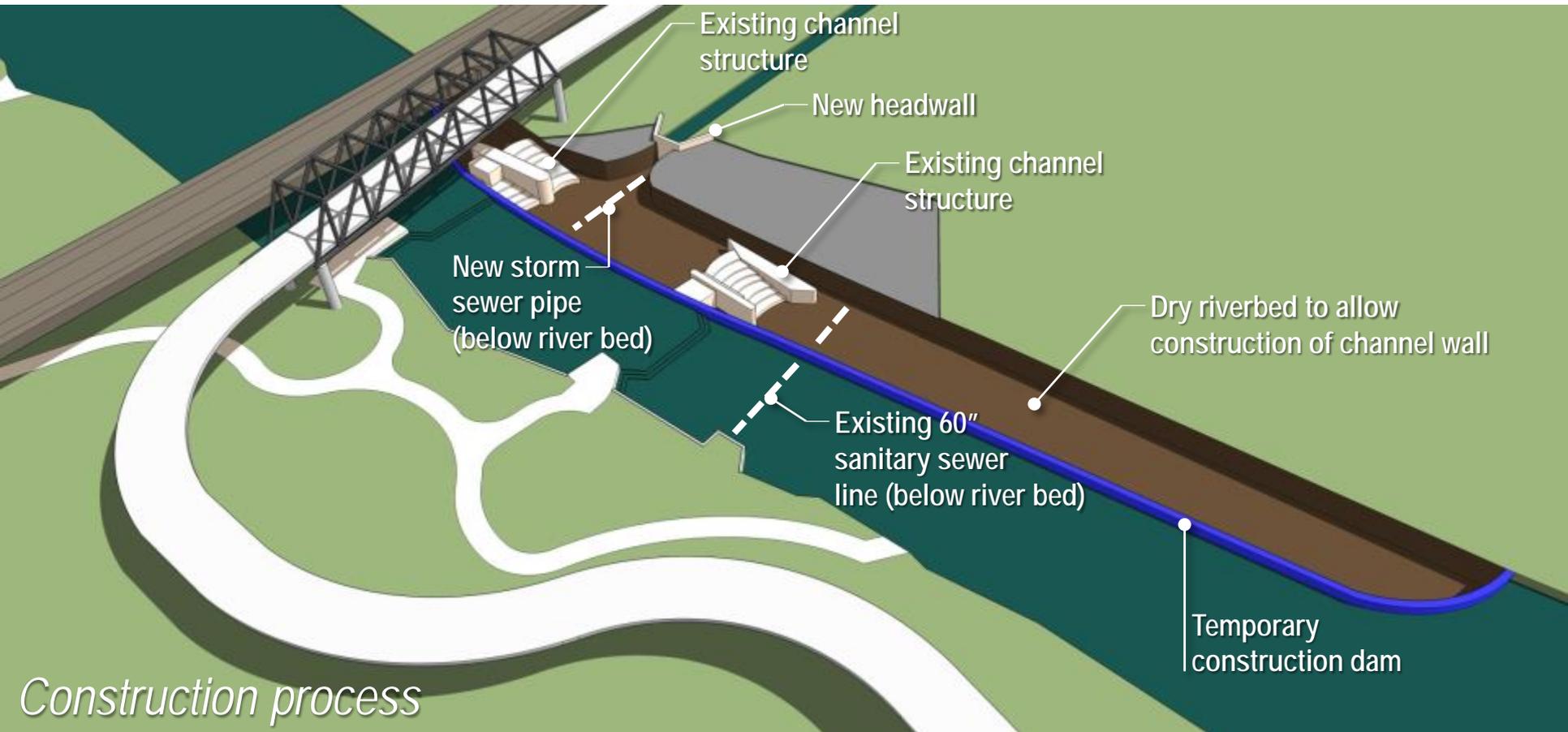
Concrete structure to be demolished

Removal of in-channel lower by-pass structure

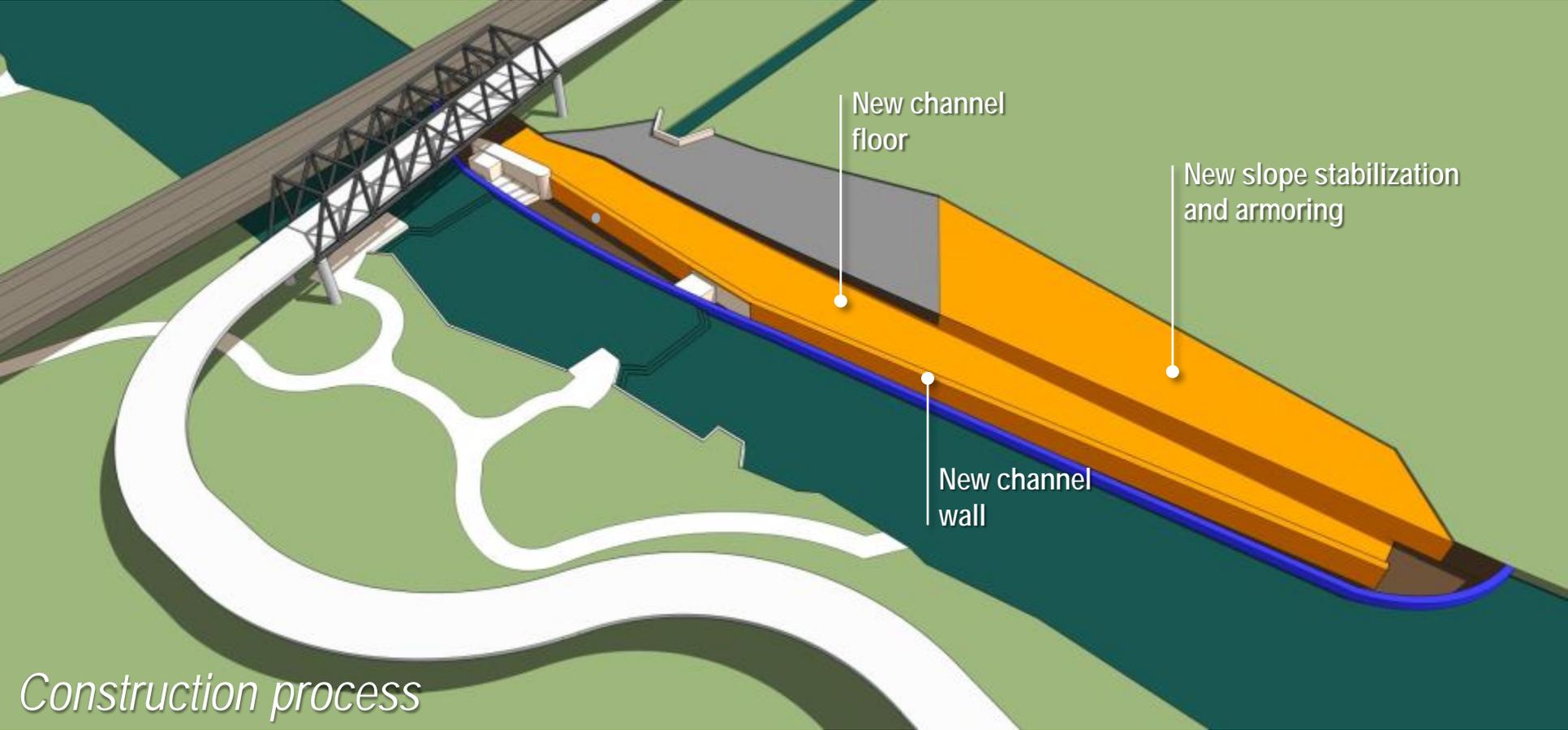
Option 2 – Complete removal



Option 3 – Modifications to by-pass channel



Option 3 – Modifications to by-pass channel



Selection of Preferred Option

Option 1
Partial removal
\$1,991,200

Option 2
Complete removal
\$7,459,000

Option 3
Modifications to the by-pass channel
\$4,248,600



Option Pricing

- Original proposed amount provided by ARC, Contracting Services May 13, 2016
- Revised proposed amounts provided after negotiations and clarifications with the USACE and other state regulatory agencies
- The Park and Recreation Board on May 4, 2017 voted unanimously to recommend to the City Council the selection of Option 1 – Partial Removal

Options	Original Proposed Amount**	Current Negotiated Proposed Amount**
1. Partial Removal *	\$ 3,087,000	\$ 1,991,200
2. Complete Removal *	\$ 8,620,000	\$ 7,459,000
3. Modify By-Pass Channel	\$ 5,430,000	\$ 4,248,600

* The Standing Wave will no longer function as a recreational feature for kayakers with the partial or complete removal options

** Amounts include design fees and construction costs

Requested Action

- City Council direction to proceed Option 1 – Partial Removal (Park and Recreation Board recommendation)

Trinity River Standing Wave

City Council

May 17, 2017

Willis Winters

Director

Park and Recreation Department



City of Dallas