



MEMO

January 27, 2021

To: Quincy Allen, P.E.
Director of District Operations

Through: Marisabel Ramthun, P.E.
Director of Design Division

From: Carl L. Johnson, P.E.
District Engineer, Fort Worth District

DocuSigned by:
Carl Johnson
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Subject: Request for Approval to Include Lead Abatement Operations in Construction Contract
County: Tarrant
CCSJ: 0172-06-101
Project: US 287 at SH 180 Bridge Deck Replacement, NBI # 02-220-0-0172-06-269

In accordance with Method 2 of the Mitigation of Hazardous Materials Memo dated April 9, 2018, the purpose of this memo is to request the authorization to include lead abatement work in the PS&E for the US 287 Deck Replacement Project.

The Fort Worth District is proposing to replace the deck at the US 287 Bridge NBI # 02-220-0-0172-06-269. During the environmental investigations for the project, Lead Based Paint (LBP) tested positive at the bridge girders and diaphragms. The cleaning and painting operations are proposed to be performed by the Contractor in accordance with Item 6.10 and Item 446.

The project was reviewed to determine the possibility of avoiding the contamination or to lessen its impact to the proposed project, as well as performing the work in a separate project that would primarily be for the painting operations. However, due to the following reasons, it was decided that the work should remain in the proposed project:

- Project work activities are so intrinsic with the mitigation or abatement operations that the work cannot be separated.
 - The US 287 Bridge Deck Replacement project consists of replacing the current deck and leaving in place the existing bridge girders and diaphragms. The 2019 Bridge Inspection Report Follow-Up Action Worksheet addresses how essential cleaning and painting of the girders and diaphragms is for the continued life of the structure.
 - Placing a new deck on lead affected girders and diaphragms will reduce the life of the structure, generate higher maintenance costs, and expose all entities to an unsafe work environment.
 - Abating the girders and diaphragms in conjunction with the deck replacement project will prolong the life of the structure, reduce maintenance costs, and remove the unsafe hazard.

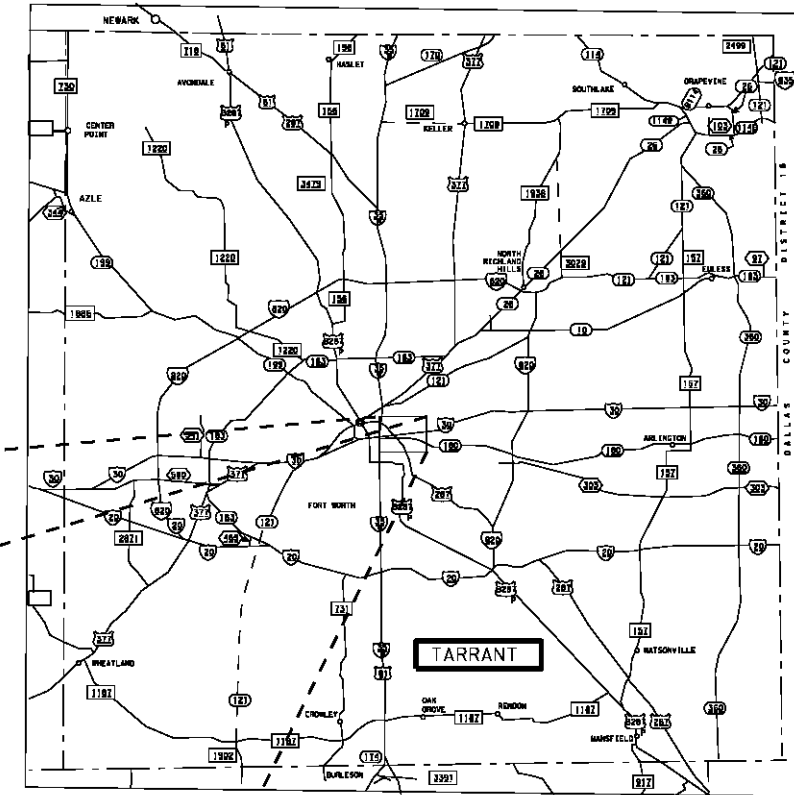
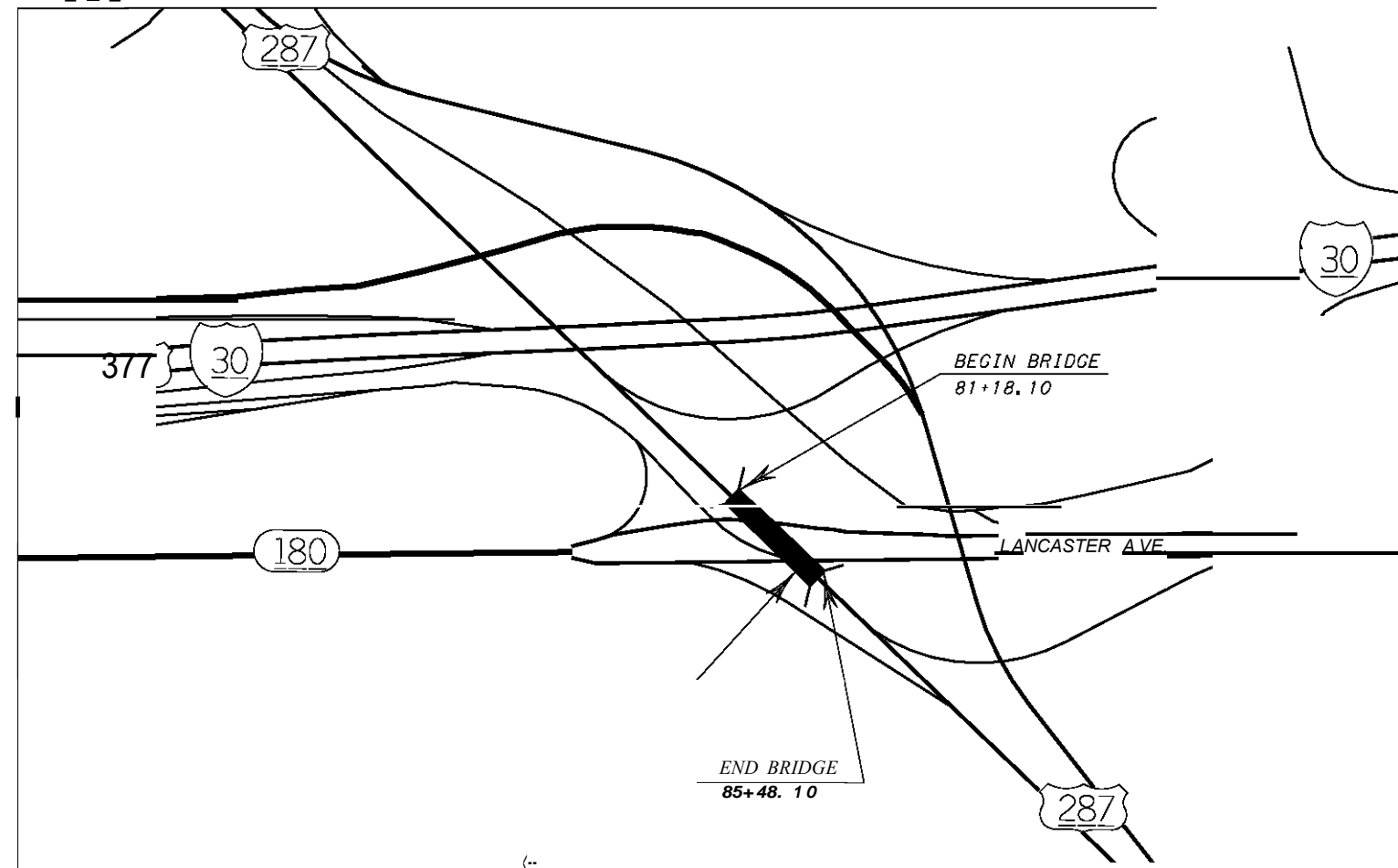
- The mitigation or abatement operations will require additional lane / road closures that could be reduced if the prime contractor performed the work in conjunction with their other structure work.
 - The US 287 Bridge Deck Replacement project limits impact the following traffic flows: Downtown Fort Worth, IH-35W, IH-30, SH 180/Lancaster Avenue, and a transit facility. Such facilities have high traffic volumes that would be adversely affected by having two separate operations resulting in decreased mobility, increased congestion, increased road user costs, and negative impacts to the transit operations.
 - Having the prime contractor perform the work in conjunction with the deck replacement will minimize traffic mobility operations for the major roadway facilities and reduce mobility costs.
- Having two separate contractors perform work creates excessive risk to the Department.
 - In addition to the project being near downtown Fort Worth, it is located in an area where access to essential services is provided to the community. Services include provisions for shelter, food, medical care, and transportation for disadvantaged community members. Having two separate contractors will generate additional hardships for the community as the timeframe of the impact will be prolonged.
 - The existing bridge location and height create a difficult setting for the contractor to perform the rehabilitation work. The bi-product of consolidating the LBP abatement and re-painting with the other rehab work is a reduction of construction time. A reduction in construction time implies a reduction in exposure to multiple safety risks (hazardous work zone related injuries, third party incidents, traffic accidents etc.) This will ultimately reduce the Department's exposure to excessive risks.

The Design Division has coordinated this request with the Environmental Resources Management Section of the Environmental Division and recommends your approval of the District's request to incorporate lead abatement work within the PS&E.

Should you have any questions, please contact my office at (817) 370-6514 or Carl L. Johnson, P.E. at (325) 268-7657.

cc: Jamye Sawey - District Environmental Specialist
Ricardo Gonzalez, P.E - District Director of APD
Douglass Mack – ENV
Jason Pike, P.E. – DES
Sharlotte Teague, P.E. - DES

Attachments: Project Location, Bridge Inspection Report



TARRANT COUNTY

LOCATION
MAP
US 287 SB
AT
SH 180

US 287 SB AT SH 180
NB! 02-220-0-0172-06-269

NBI • 02-220-0-0172-06-269

NOT TO SCALE

SHEET 1 OF 1	
FED. RD. DIV. NO. 6	AID PROJECT NO. SHEET 14
STATE TEXAS	DIST. FTW COUNTY TARRANT
REV. NO. 0172	CONT. SECT. 06 JOB HIGHWAY NO. 101 US287

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US 287 at SH 180

CSJ: 0172-06-101

Project Location

NBI:02.220.0.0172.06.269

Project Description:

Bridge Deck Replacement

HWY: US 287

County: Tarrant

Ready to Lett: December 2020

Letting: March 2021

Location:

Approximately 1 mile East of Downtown Ft. Worth

Lead Abatement Location & Quantity:

- Steel Beams & Diaphragms
- Total Area = 55,430 SF

