

CONTAMINATION TECHNICAL MEMORANDUM

Florida Department of Transportation

District One

SR 710 Improvement Project

Limits of Project: SR 710 from US 441 to L-63N Canal

Okeechobee County, Florida

Financial Management Number: 419344-3

August 2, 2018

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by FHWA and FDOT.

Memo



To: Jeffrey W. James
District Contamination Impact Coordinator
Florida Department of Transportation, District One

August 2, 2018

From: Michael J. Bair, ASP
Chief Scientist
Tierra

Re: Contamination Technical Memorandum - PD&E Re-evaluation

For: SR 710 from US 441 to L-63N Canal
Okeechobee County, Florida
FPID: 419344-3
Tierra Project No.: 6511-12-054E

This Contamination Technical Memorandum (Tech Memo) provides an update to the Contamination Screening Evaluation Report (CSER) completed during the Project Development and Environment (PD&E) phase. This update is necessary due to the age of the original CSER and because of slight horizontal adjustments to the roadway alignment that have been proposed during preparation of the design plans. The original CSER was issued in December 2010 and included the evaluation of an approximate 10-mile corridor from US 441 in Okeechobee County to CR 714 in Martin County. Segments 1 and 2, as identified in the PD&E report, generally correspond to the design phase from US 441 to the L-63N Canal. The methodology employed for this contamination re-evaluation included the following tasks:

- Determine contamination sites located within Segments 1 and 2 of the PD&E CSER,
- Conduct desktop research using Florida Department of Environmental Protection's (FDEP's) MapDirect database for each identified contamination site for updated information since publication of the original PD&E CSER,
- Adjust risk ratings, as necessary, based on updated contamination information and proposed changes to roadway alignment, and
- Conduct desktop search for any new contamination sites using FDEP's MapDirect database and provide appropriate risk ratings.

The PD&E CSER documented seven potential contamination sites within Segments 1 and 2. One additional site was identified during this PD&E re-evaluation. The updated risk ratings for these eight sites are provided below.

PD&E Site No.	Site Name	PD&E Risk Rating	Re-evaluation Risk Rating	Comments
1	Raulerson Hospital 1796 US Hwy 441 North, Okeechobee FAC 47/9200739 FAC 47/9811744	Low	Medium	The July 2009 petroleum discharge noted in the PD&E CSER received a Site Rehabilitation Completion Order (SRCO) in 2011. The road way alignment shifts toward this site. Although no new discharges have been reported since 2010, this site remains listed as a contamination site in the FDEP's MapDirect database. Depending on the location of the contamination at this site and the final roadway alignment, this site could trigger the testing requirement necessary for National Pollutant Discharge Elimination System (NPDES) permitting. Therefore, this site is assigned a revised risk rating of Medium so that it can be reviewed again once final construction plans are available.

PD&E Site No.	Site Name	PD&E Risk Rating	Re-evaluation Risk Rating	Comments
2	Okeechobee Health Care 1646 US Hwy 441 North, Okeechobee FAC 47/9401228	Low	Low	The PD&E CSER notes that no releases have been reported at this site. No new discharges have been reported since 2010. The January 2018 tank inspection report notes that the facility is "In Compliance." Although the proposed roadway alignment shifts toward this site, none of the more recent documentation warrants a change to the risk rating and therefore it remains Low.
3	Okeechobee Utility Authority 1200 NE 12 th Street, Okeechobee FAC 47/9401463	Low	Low	The PD&E CSER notes that no releases have been reported at this site. No new discharges have been reported since 2010. The November 2017 tank inspection report notes that the facility is "In Compliance." The proposed roadway alignment shifts farther from this site and none of the more recent documentation warrants a change to the risk rating. Therefore, the risk rating remains Low.
4	Bill's Mini Mart 3007 Hwy 70 East, Okeechobee FAC 47/9100166	Low	Low	The PD&E CSER notes that no releases have been reported at this site. No new discharges have been reported since 2010. The September 2016 tank inspection report notes that the facility is "In Compliance." The proposed roadway alignment shifts farther from this site and none of the more recent documentation warrants a change to the risk rating. Therefore, the risk rating remains Low.
5	Dee's Garden Shop 2768 SR 710, Okeechobee FAC 47/8512544	Low	Low	The PD&E CSER notes that this site received a No Further Action (NFA) status in 2002. Limited field testing was performed during the PD&E CSER and no contamination was detected. No new discharges have been reported since 2010. Although the proposed roadway alignment shifts toward this site, none of the more recent documentation warrants a change to the risk rating and therefore it remains Low.
6	Townstar #40 3993 SR 710, Okeechobee FAC 47/8630309	High	Medium	Limited field testing was performed during the PD&E CSER and no contamination was detected. Since publication of the PD&E CSER, an SRCO was issued for the petroleum discharge (2013). No new discharges have been reported since 2010. The August 2016 tank inspection noted three outstanding compliance issues. No documentation was found that indicates the compliance issues have been corrected. No shifts to the roadway alignment are noted near this site. Although an SRCO has been issued, the facility continues to operate as a gas station and per Chapter 20 of the PD&E Manual (June 2017) is assigned a revised risk rating of Medium.
7	SFWM Equipment Yard ~ 4200 SR 710, Okeechobee	Low	Low	This site was identified during the site reconnaissance as part of the PD&E CSER, which notes that this site has been used in its current configuration since at least 1994 for equipment storage. This site is not listed in the FDEP's MapDirect database and therefore updated information is not available. The site appears to continue to be used in a similar manner according to Google Earth imagery reviewed from 2010 through 2018. No shifts to the roadway alignment are noted near this site. The risk rating remains Low.
8 - 12	<i>These sites are documented in the PD&E CSER but are located outside of the limits of this design project and therefore are not a contamination concern</i>			
13 *	Florida Power and Light – Okeechobee Service Center 825 NE 34 th Avenue, Okeechobee FAC 47/8519987	not rated	Medium	Although this site was mentioned in the PD&E CSER, it was not considered a contamination concern and a detailed evaluation was not provided. This facility is located adjacent to the west of the proposed alignment where a discharge of gasoline was reported in June 1992. Tank removal, site assessment, and remedial tasks were completed during various periods between 1993 and 2017 that resulted in an SRCO on October 16, 2017. One 3,000 gallon Ethanol E10 AST remains in service at the site. Although an SRCO was issued for the 1992 discharge, the site's proximity to the alignment and the active nature of the fueling operations warrant a risk rating of Medium.

* site was not identified in PD&E CSER; site assigned a number as part of this PD&E re-evaluation

The eight sites considered as part of this PD&E re-evaluation have resulted in the assignment of five Low and three Medium risk ratings. No additional action is recommended for the sites that are assigned a risk rating of Low. The three sites that received a

Medium risk rating should be reviewed once final construction plans are available to determine if additional action is necessary. Each site is illustrated on the attached graphic.

Respectfully Submitted,



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PROJECT LIMITS

