



KC ENGINEERING, INC.

610 Broadway • Marble Falls, Texas 78654 • Phone 830.693.5635 • Fax 830.693.9664 • www.kcengineering.com

April 2, 2026

Mr. Joe Don Dockery
County Commissioner
220 S. Pierce St.
Burnet, TX 78611

RE: Wirtz Dam Road Project

Via Email: jdockery@burnetcountytexas.org

Commissioner Dockery:

As a result of multiple changes required by Pedernales Electric Co-Op, Inc. (PEC) regarding the electrical conduit to be attached to the bridge, KCE is submitting this proposal to perform the engineering redesign to accommodate changes required by the PEC.

Initially, the PEC wanted to use 4 – 8" conduits. That was later revised to 4 – 10" conduits and then revised to 4 – 12" conduits. It appears, that the PEC has finally decided that it wants 12 – 4" conduits suspended beneath the bridge. The conduits on the bridge were initially designed for 4 – 10" conduits. The requirement of the PEC to use 4 – 12" conduits requires that the bridge be redesigned to accommodate the revised conduit arrangement and hanger system. As result of the multiple changes, KCE contacted the PEC and requested written documentation that the 12 – 4" conduit arrangement will be the final configuration. KCE received that documentation April 1, 2026, and it is attached hereto as Attachment A. The additional work required for the redesign is attached hereto as Attachment B.

KCE proposes to perform the redesign of the bridge for \$182,550. If you concur with this proposal, please let us know and we will prepare a Work Order. Thank you for your consideration.

Sincerely,

K.C. Engineering, Inc.
Registration # F-977

By:

Greg Haley, P.E.
President

Attachment

Greg Haley

From: Woods, Ben <ben.woods@peci.com>
Sent: Wednesday, April 1, 2026 9:06 AM
To: George Tillett; Josh Schindler; Joelle Rosentswieg
Cc: Addison Cooley; Greg Haley
Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project
Attachments: RE: Conduit depth question

George,

PEC approves the conduit details below. Also, I spoke with Josh on the phone this morning and PEC agrees with his responses in the attached email.

Regards,

Ben Woods | PEDERNALES ELECTRIC COOPERATIVE, INC.
Electrical Distribution Planning and Design Manager, Marble Falls District
M: (830)-225-4117

[Website](#) [Facebook](#) [Twitter](#) [LinkedIn](#) [YouTube](#) [PEC Energy News](#)

4302 N. US Hwy. 281
Marble Falls, TX 78654

From: George Tillett <gttillett@ttstexas.com>
Sent: Monday, March 30, 2026 4:04 PM
To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>
Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Woods, Ben <ben.woods@peci.com>
Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

WARNING: This email originated outside of Pedernales Electric Cooperative.
DO NOT click any links or open attachments unless you recognize the sender and know the content is safe.

Josh,

I wanted to follow up with this discussion on the TxDOT 15" max bracket. I think if they say they want it deeper then we will have to modify our detail to make it deeper. I think the important decision we need from PEC is:

1. Number of conduit = 12; **PEC APPROVED.**
2. Size of conduit = 4" ; **PEC APPROVED.**
3. Material Type per TxDOT specs and material list = Galvanized Rigid Metal Conduit; **PEC APPROVED.**
4. TxDOT provider list is acceptable source; **PEC APPROVED.**
5. Position of the conduits in 6, 6 ; **PEC APPROVED.**

I think we will stick with the standard 15" max and if they request more then we will add length to the detail.

I've asked Greg to reach out to Joe at TxDOT on the 15" max from the standard.

Thanks,
George

George E. Tillett, P.E.



WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillett@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: George Tillett

Sent: Wednesday, March 25, 2026 3:40 PM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park (ben.woods@peci.com) <ben.woods@peci.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Hi Josh,

Attached is the various TxDOT documents for the use of Galvanized Rigid Metal Conduit suspended between the girders under the bridge deck. I included two standards, construction and material specifications and our bridge conduit locations. Please review the documents provide. Once you have time to discuss with PEC, please forward a confirmation that PEC (I assume Ben Woods) agrees to using the TxDOT GRMC rather than aluminum conduit and confirm the quantity and location of the 12 ~ 4" Conduits (separated into 2 bundles of 6 conduits or 3 bundles of 4 conduits). The attached bridge typical section shows the 6 conduit per bundle arrangement and the 4 conduit per bundle arrangement options. Please mark your preferred and the alternate arrangement.

The list of attached documents are:

1. TxDOT ED 1-25 standard notes sheet
2. TxDOT ED 2-25 standard showing hanger typical max hanger limits
3. TxDOT Item 618 Construction Specification
4. TxDOT DMS 11030 material specification
5. TxDOT Material Producer List (see page 47 for item 618)
6. Bridge Typical section showing proposed conduit bundle options and positions

I look forward to getting the concurrence.

Please feel free to contact me if you have any questions or need to discuss any of the details.

Thanks,
George

George E. Tillett, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillet@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: George Tillett <gtillet@ttstexas.com>

Sent: Tuesday, March 17, 2026 8:12 AM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park
(ben.woods@peci.com) <ben.woods@peci.com>

Subject: Re: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Thanks Josh,
We will review this today and get back to you.

Thanks,
George

George E. Tillett, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillet@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

Get [Outlook](#) for iOS

From: Josh Schindler <jschindler@msengr.com>

Sent: Tuesday, March 17, 2026 8:06:50 AM

To: George Tillett <gtillet@ttstexas.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park

(ben.woods@peci.com) <ben.woods@peci.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

George,

See updated weights attached with Rigid Galvanized Steel – This may not be the exact manufacturer that will be used but it gets us in the ball park. Also you will find cutsheets for the expansion joints. I did not factor these into the weights as I could not remember the exact footage the bridge expansion joints were spaced, but I believe we discussed adding conduit expansion joints at the same intervals. Let me know if you have any questions and want to hop on a quick call to discuss.

Thanks,

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: George Tillett <gtillett@ttstexas.com>

Sent: Thursday, March 12, 2026 3:18 PM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park (ben.woods@peci.com) <ben.woods@peci.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Josh,

This is the hanger method we plan for the bridge. I'll give you a call so we can discuss.

Thanks,

George

George E. Tillett, P.E.



WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillett@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Josh Schindler <jschindler@msengr.com>

Sent: Tuesday, March 10, 2026 6:07 AM

To: George Tillett <gtillett@ttstexas.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park (ben.woods@peci.com) <ben.woods@peci.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

George,

Wanted to follow up on the questions below.

1. How far does the PEC ditch line need to stay away from the bridge abutment tie back? Sorry if this not the correct civil bridge lingo.
2. What depth/elevation will the PEC conduit enter through abutment wall?

Also I have reached out to some manufacturers that supply the 4" expansion joints for EMT and Rigid Aluminum and am awaiting for someone to call back with weights.

Thanks,

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: Josh Schindler

Sent: Thursday, March 5, 2026 10:55 AM

To: 'George Tillett' <gtillett@ttstexas.com>; 'Joelle Rosentswieg' <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; 'Greg Haley' <gregh@kcengineering.com>; Ben Woods - PEC Cedar Park (ben.woods@peci.com) <ben.woods@peci.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

George,

ATTACHMENT A

Please see attached as discussed. We split the conduit arrangement on the bridge in (2) (6)-4" conduit arrangements. Also please let know the following and have commented on the in yellow on the preliminary design attached. Also please see the proposed ditch line – with the understanding that anything under asphalt under TXDOT road will most likely require a flowable fill.

1. How far does the PEC ditch line need to stay away from the bridge abutment tie back? Sorry if this not the correct civil bridge lingo.
2. What depth/elevation will the PEC conduit enter through abutment wall?

Still waiting on expansion joint cutsheets. I have reached out to both Texas distributor and Manufacturer. All bridge conduit that we have proposed at this time does meet BABA requirements. Also reached out to Joe Muck with TXDOT about approval of EMT and Rigid Aluminum. No response as of yet but have a calendar reminder to bump next Tuesday.

Addison/Ben,

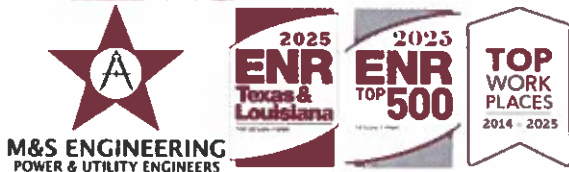
I did shift vaults on southside of bridge further south to limit bending angle as the latest bridge abutment seemed a little further back. I did maintain to stay within the proposed easement.

Thanks,

Josh Schindler

**M&S Engineering
Distribution**

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070
Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593
TxEng Firm #F-1394 - TBPELS Firm #10169800
www.MSENGR.com



From: Josh Schindler

Sent: Thursday, February 26, 2026 4:25 PM

To: 'George Tillett' <gtillet@ttstexas.com>; 'Joelle Rosentswieg' <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; 'Greg Haley' <gregh@kcengineering.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

George,

Disregard the last attachment and please use this one.

Josh Schindler

**M&S Engineering
Distribution**

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070
Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

www.MSENGR.com



From: Josh Schindler

Sent: Thursday, February 26, 2026 4:17 PM

To: 'George Tillett' <gtillett@ttstexas.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Geroge,

Please see updated attached but I am still waiting on cutsheets for 12" and 4" Steel specification from manufacture.

Thanks,

Josh Schindler

M&S Engineering

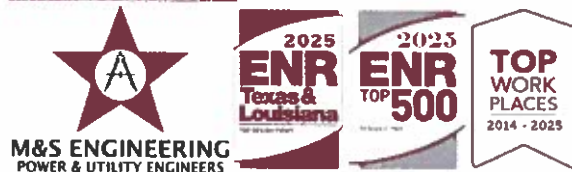
Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 • Direct: 830.313.5413 • Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: George Tillett <gtillett@ttstexas.com>

Sent: Thursday, February 26, 2026 3:17 PM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Hi Josh,

Just checking on the weights we discussed last week. Any progress in locating them? Both 4" conduit and 12" conduit.

Thanks,
George

George E. Tillett, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillet@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Josh Schindler <jschindler@msengr.com>

Sent: Wednesday, February 18, 2026 10:32 AM

To: George Tillett <gtillet@ttstexas.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

4-12" conduits is correct.

Thanks,

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: George Tillett <gtillet@ttstexas.com>

Sent: Wednesday, February 18, 2026 10:17 AM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; Greg Haley <gregh@kcengineering.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Hi Josh,

Our current bridge design includes loading for 3 ~ 10" ID conduits for PEC. Looks like the number and size increased to 4 ~ 12" ID conduits. I know you mentioned this on our call. Can you confirm this is the correct?

Thanks,
George

George E. Tillett, P.E.



WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

gtillet@ttstexas.com

512-657-8168

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Josh Schindler <jschindler@msengr.com>

Sent: Tuesday, February 17, 2026 4:30 PM

To: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; George Tillett <gtillet@ttstexas.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Joelle,

I was able to open it this time. As discussed earlier please find the following attached.

1. Estimated weight per foot that will be installed in the 12" conduits.
2. Okonite Cable – PEC cable information
3. Pipe HDPE – Specifications

Thanks,

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Sent: Tuesday, February 17, 2026 3:49 PM

To: Josh Schindler <jschindler@msengr.com>

Cc: Addison Cooley <acooley@msengr.com>; George Tillett <gtillet@ttstexas.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Josh,

Can you open this version of the file?

Joellen S. Rosentswieg, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

jrosentswieg@ttstexas.com

512-825-9996

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Josh Schindler <jschindler@msengr.com>

Sent: Tuesday, February 17, 2026 7:31 AM

To: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>; George Tillett <gtillettt@ttstexas.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Joelle,

Can you resend the TXDOT Example, the pdf was corrupt and didn't come through on our end.

Thanks,

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



From: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Sent: Monday, February 16, 2026 4:42 PM

To: Josh Schindler <jschindler@msengr.com>

Cc: Addison Cooley <acooley@msengr.com>; George Tillett <gtillettt@ttstexas.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Hi Josh,

ATTACHMENT A

Please find attached a copy of our current bridge layout for the Wirtz Dam Road project. I have added highlights on the elevation view to indicate where the bridge expansion joints are located.

I have also attached some example conduit support details developed by TxDOT – I have highlighted pertinent info about conduit material and expansion joint info for your convenience. Be aware that these example details are for ITS lines so they would need to be adjusted for PEC's specific needs.

George will be reaching out separately with info regarding installation/payment responsibility and any conduit material specs required by TxDOT.

Take care,
Jo

Joellen S. Rosentswieg, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

jrosentswieg@ttstexas.com

512-825-9996

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Josh Schindler <jschindler@msengr.com>

Sent: Wednesday, January 21, 2026 7:26 AM

To: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: Addison Cooley <acooley@msengr.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Joelle,

I maybe missing but can you tell me the dimensions between the girders where the PEC 4-10" conduits are suppose to hang.

Josh Schindler

M&S Engineering

Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070

Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593

TxEng Firm #F-1394 - TBPELS Firm #10169800

www.MSENGR.com



ATTACHMENT A

From: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

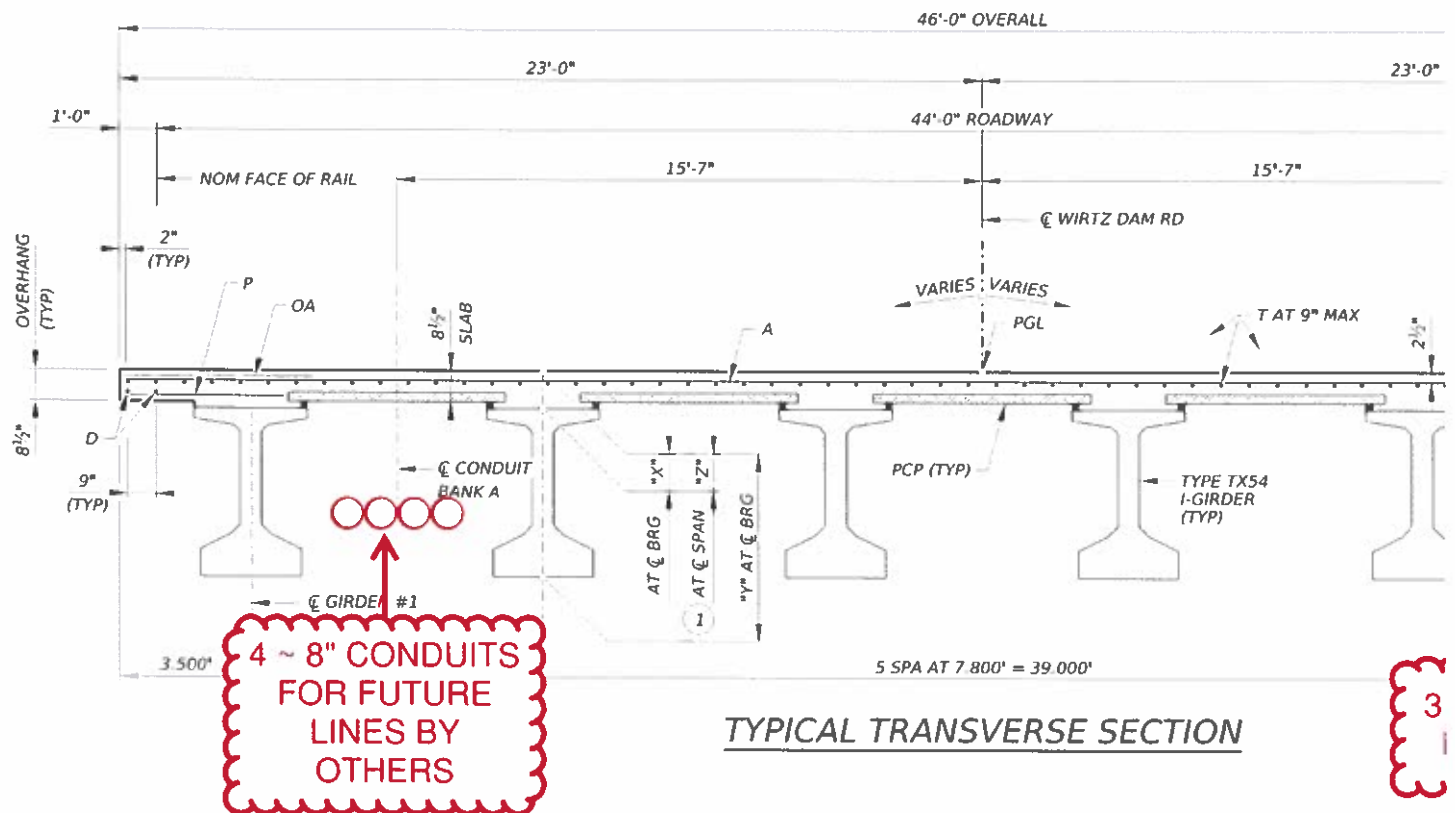
Sent: Tuesday, January 20, 2026 7:08 PM

To: Greg Haley <greg@kcengineering.com>; Josh Schindler <jschindler@msengr.com>

Cc: George Tillett <gtillett@ttstexas.com>; ben.woods@peci.com; Addison Cooley <acooley@msengr.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

I just realized I can't count... Cross-section below has been updated to reflect correct number of conduits on each side of the bridge. Sorry about that!



Joellen S. Rosentswieg, P.E.



TEXAS
TRANSPORTATION
SOLUTIONS, INC.

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

jrosentswieg@ttstexas.com

512-825-9996

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

ATTACHMENT A

From: Joelle Rosentswieg

Sent: Tuesday, January 20, 2026 6:38 PM

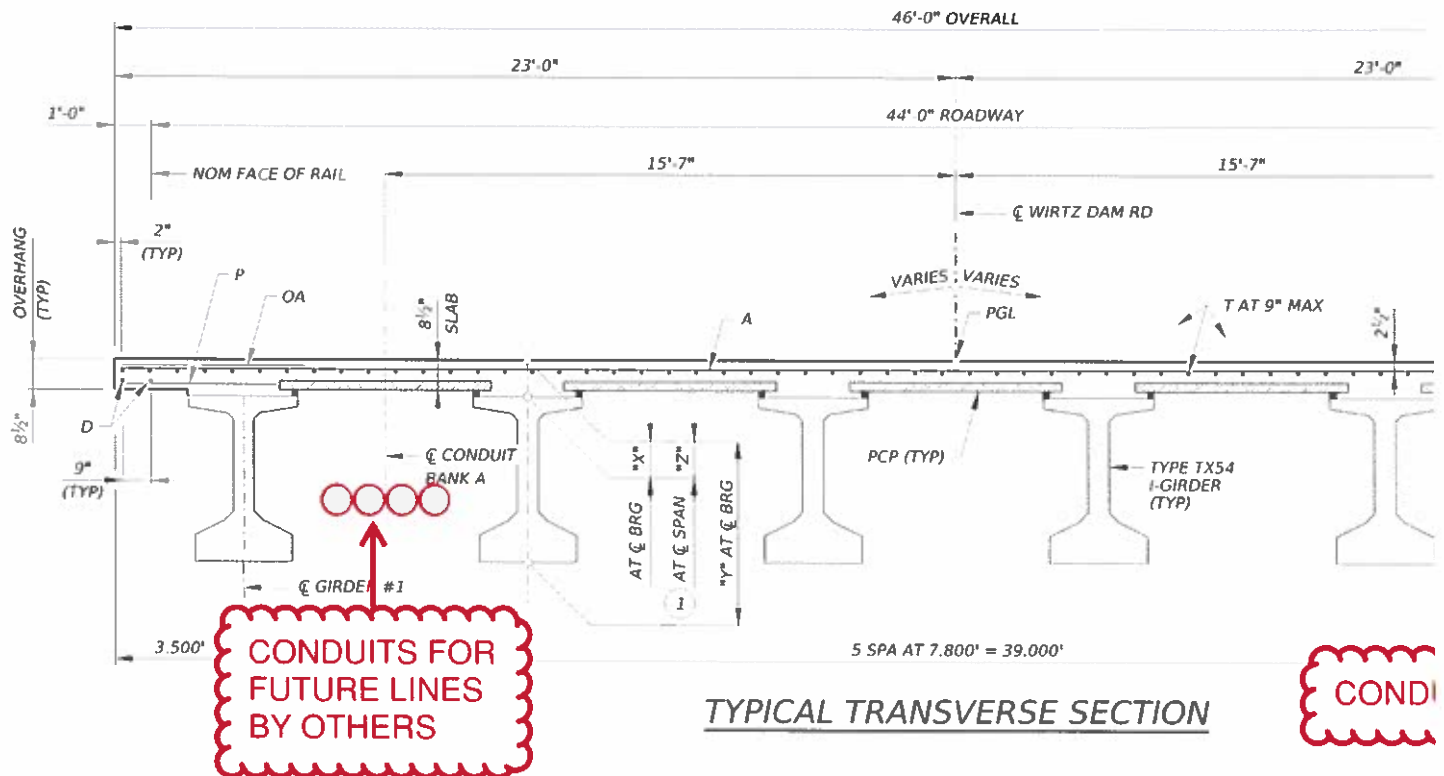
To: 'Greg Haley' <gregh@kcengineering.com>; Josh Schindler <jschindler@msengr.com>

Cc: George Tillett <gtillett@ttstexas.com>; ben.woods@peci.com; Addison Cooley <acooley@msengr.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

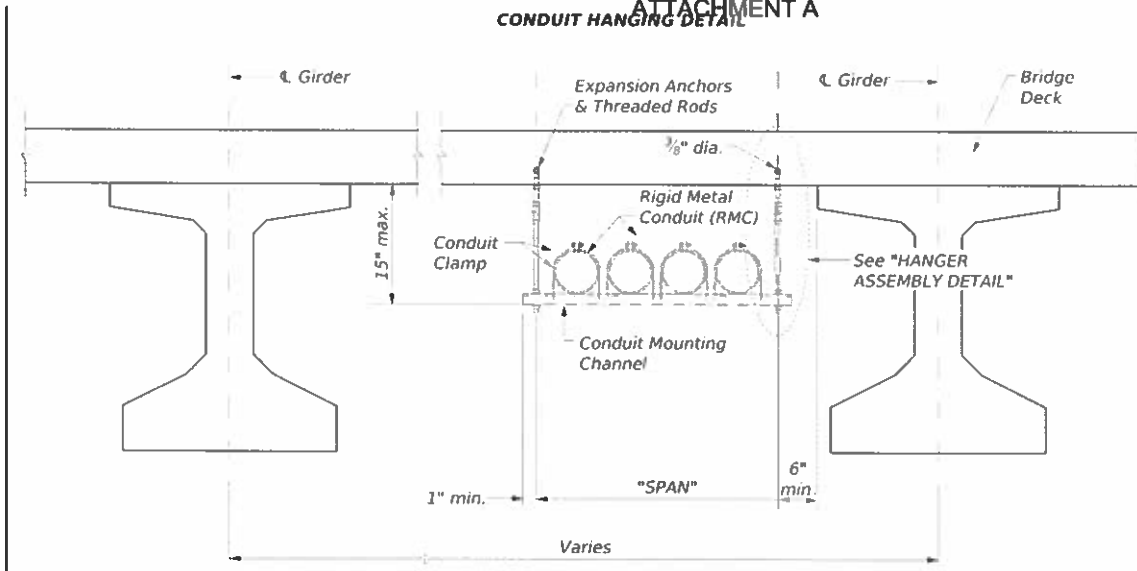
Josh,

My apologies, I reread your email and realized you had asked about the conduit locations. The PEC lines will be suspended from the bridge deck between the outermost girder and first interior girder – see screenshot of bridge cross-section below. Please let me know if you need any add'l details in order to provide us with the info requested in my original email.



TxDOT has standard details for electrical conduit supported from a bridge, but their details are for much smaller conduit sizes (2" to maybe 6" max) – see screenshot below and attached TxDOT standard. Since these TxDOT details won't work, we're hoping you or PEC has details appropriate for the larger conduit and heavier weights. If not then the support framing will require unique designs and details...

ATTACHMENT A CONDUIT HANGING DETAIL



Please reach out if you have any additional questions.

Thanks,
Joelle

Joellen S. Rosentswieg, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

jrosentswieg@ttstexas.com

512-825-9996

Mailing Address:

11211 Taylor Draper Lane

Suite 210

Austin, TX 78759

From: Greg Haley <greg@kcengineering.com>

Sent: Friday, January 16, 2026 9:27 AM

To: Josh Schindler <jschindler@msengr.com>; Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Cc: George Tillett <gtillett@ttstexas.com>; ben.woods@peci.com; Addison Cooley <acooley@msengr.com>

Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Everyone:

As the Project Manager, it's time for me to weigh in and hopefully clarify some of the information being exchanged.

Ben Woods of the PEC requested 4 – 10" ID conduits on the west (right) side of the bridge. It is those four conduits that are of concern to both the PEC and M&S Engineering, and that's what we are requesting design

information for.

Other dry utility companies contacted us about adding conduits for future use but did not request a particular size or give any design criteria. Those conduits will be on the east (left) side of the bridge. The PEC and M&S Engineering have no participation in the design of those conduits. The design of those conduits will be between K.C. Engineering and Texas Transportation Solutions (George and Joelle).

Hopefully, this clarifies everything. If you have any questions, please let me know. Thanks!

By:
 Greg Haley, P.E.
 K.C. Engineering, Inc.
 610 Broadway
 Marble Falls, TX 78654
 830-693-5635
 Firm Reg. No. F-977
www.kcengineering.com

The information contained in this E-mail message is confidential information intended only for use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.

This communication does not constitute an intention by the sender to conduct a transaction or make any agreement or contract by electronic means. Nothing contained herein or in any attached electronic file shall satisfy the requirements for a writing, nor constitute a contract or electronic signature, as those terms are defined in or contemplated by the Electronic Signatures In Global And National Commerce, 15 U. S. C. Section 7000 et seq. or any version of the Uniform Electronic Transaction Act adopted by any state or any other statute governing electronic transactions.

From: Josh Schindler <jschindler@msengr.com>
Sent: Thursday, January 15, 2026 4:24 PM
To: Joelle Rosentswieg <jrosentswieg@ttstexas.com>
Cc: George Tillett <gtillett@ttstexas.com>; ben.woods@peci.com; Greg Haley <gregh@kcengineering.com>; Addison Cooley <acooley@msengr.com>
Subject: RE: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Joelle,

Rec'd. We are working on getting some cutsheets for all the material. Before I reach out to vendors I wanted to confirm the following items:

What are the 8" conduits for. PEC typically runs there primary in individual conduits. Distribution is planning on running two circuits. This would require (8)-4" conduits.

What are the 10" conduits for? PEC?

Left and right side of the bridge – could you please east/west. Our current design shows the (8)-4" conduits to be placed on the west side of the bridge. Please confirm.

When you say suspended. Can you provide a cross section of bridge showing the preferred location of the conduits.

Thanks,

Josh Schindler
M&S Engineering
Distribution

P.O. BOX 970 / 6477 FM311, Spring Branch, TX 78070
 Office: 830.228.5446 ■ Direct: 830.313.5413 ■ Mobile: 830.312.0593
 TxEng Firm #F-1394 - TBPELS Firm #10169800



From: Joelle Rosentswieg <jrosentswieg@ttstexas.com>

Sent: Wednesday, January 14, 2026 1:03 PM

To: Josh Schindler <jschindler@msengr.com>

Cc: George Tillett <gtillett@ttstexas.com>; ben.woods@peci.com; gregh@kcengineering.com

Subject: Conduit and Bridge Mounting Details for Wirtz Dam Rd Project

Hi Josh,

My name is Joelle Rosentswieg and I am working on design of the new bridge for the Wirtz Dam Road project. It is our understanding that the bridge will need to support up to four 8" ID (inner dia.) conduits on the left side of the bridge and up to three 10" ID conduits on the right side of the bridge, and these conduits will be suspended from the bridge and used to carry electric lines across the bridge. I am reaching out to you because we need information about these conduits, their contents and how they are supported in order to advance design of the bridge. Can you please provide the following:

Confirm the conduit sizes and number mentioned above are correct.

Describe the contents to be placed inside each conduit, i.e. the number/size of the electrical lines plus info for any spacers or other items that will also be placed in the conduits, so we can use to determine the maximum combined weight for each conduit. What is the typical spacing used for spacers?

Provide spec sheets or details showing material types and appropriate design weights for each unique conduit, electrical line, and spacer.

Provide details showing conduit/electrical line placement and how the conduits will be supported/suspended from the bridge.

Provide spacing requirements for the conduit supports.

Can you please provide standard detail sheets appropriate for these conduits/electrical lines and their support framing so we can include in our plan set?

Please feel welcome to give me a call if you have any questions or concerns. 512-825-9996.

Thank you,
Joelle

Joelle S. Rosentswieg, P.E.



**TEXAS
TRANSPORTATION
SOLUTIONS, INC.**

WWW.TTSTEXAS.COM

Firm No. F-19397 | HUB, DBE, COA MBE Certified

jrosentswieg@ttstexas.com

512-825-9996

ATTACHMENT A

Mailing Address:
1211 Taylor Draper Lane
Suite 210
Austin, TX 78759

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

The information contained in this e-mail, including any attachments, is for PEC OFFICIAL USE ONLY and is intended only for the use of the intended recipient(s). Subsequent use and distribution is governed by the confidentiality of the information. If you are not the intended recipient, any dissemination, distribution, or use of this information is strictly prohibited. If you have received this communication in error, contact the number or email address in this message and destroy all copies of the original message.

ATTACHMENT B PROPOSED SCOPE OF SERVICES

ENGINEER shall provide the following services:

1. Structural Engineering redesign and plan sheets revision
2. Structural Engineering coordination with the Pedernales Electric Co-Op, Inc. (PEC) and its engineering consultant, M&S Engineering, Inc.

3. Structural

Provide structural engineering services for structural bridge design

Structural Engineering Services included:

1. Coordinate electrical conduit configuration, materials, and locations with PEC and PEC engineering consultant
2. Update electrical conduit loads from 3 – 10" conduits in one bridge bay to 12 – 4" conduits in two bridge bays
3. Redesign conduits using galvanized rigid metal conduit
4. Redesign conduit support attachments
5. Reanalyze and revise the design of the bridge girders with updated loads
6. Update bridge stresses
7. Update prestressed concrete beam post-tensioning strands
8. Update concrete strength requirements
9. Update the number of girders required for the revised conduit load
10. Update bridge tensile and compressive strengths
11. Update the rotational forces and stresses of the revised conduit load
12. Update lateral forces and stresses for the revised conduit load
13. Update interior bent cap design
14. Revise bent cap details and summaries
15. Update the bridge column design for the revised conduit load
16. Update bridge column details
17. Bridge column and bridge cap summary tables
18. QC / QA
19. Coordination with Engineer
20. Revise plan sheets for structural items
21. Revise specifications for structural items
22. Revise estimates for structural items

Structural Engineering Services excluded:

1. Aesthetic treatment or pedestrian design
2. Retaining wall design
3. Construction phase services

6. Engineering: Plans, Specifications, and Estimate (PS&E)

Using the Engineering Design Services above, update the Plans, Specifications, and Estimates in TxDOT format

Engineering: Update Plans, Specifications, and Estimate (PS&E) services included:

1. Update Plans, Specifications, and Estimate (PS&E) (TxDOT format)

Project Management

Perform Project Management

1. Project Records
2. Project Correspondence
3. Coordination with Burnet County
4. Coordination with TxDOT
5. Coordination with PEC
6. Coordination with Texas Transportation Solutions, LLC
7. Coordination with Others
8. Periodic Progress Meetings
9. QC / QA