

**From:** [PaDelford, Sue S.](#)  
**To:** [Sugarman, Shelly CIV](#); [Fischer, Steven M CIV](#); [McReynolds, Danny G CIV](#); [Moore, James M CIV](#); [Keim, Matthew](#); [Austin Hurst, BNSF-Structures](#); [Dunn, Brian CIV](#); [Swanson, Kristopher](#); [Smith, Jason \(Seattle\)](#)  
**Cc:** [Bordenave, Pierre](#); [PaDelford, Sue S.](#); [Buckley, Maggie](#); [Bumback, Bill](#)  
**Subject:** [Non-DoD Source] FW: LPO Bridge EA - Fully developed alternatives analysis  
**Date:** Thursday, October 11, 2018 7:03:23 PM

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As discussed during the NEPA EA Status Call this morning, below is an 'email trail' from the Corps clarifying what they need to see in the EA alternatives analysis (AA) section.

Pierre and I, on separate phone calls, discussed with Shane to confirm that a stand-alone, revision of the AA originally submitted with the Joint Application was not required. Shane verbally confirmed, as long as the EA draft (pending submittal from the USCG to him for agency review at the time of this email) included the 'possible but discountable' options he mentions below, such as the second track being on UPRR-owned tracks or ROW, etc.

The submitted EA drafts AA section addressed potential alternatives, but we'll certainly be reviewing and incorporating additional information to further explain the rationale and analysis process for the chosen alternative.

Thank you,  
Sue.

[Sue PaDelford](#) | [Jacobs](#) | Senior Biologist – Project Manager Environmental - Rail | 208-263-9391 office | 208-920-6039 dir | 208-290-3330 mobile | [Sue.PaDelford@jacobs.com](mailto:Sue.PaDelford@jacobs.com) | [www.jacobs.com](http://www.jacobs.com)

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-----Original Message-----

From: Slate, Shane P CIV USARMY CENWW (US) <[Shane.P.Slate@usace.army.mil](mailto:Shane.P.Slate@usace.army.mil)>  
Sent: Tuesday, August 14, 2018 8:43 AM  
To: Fischer, Steven M CIV <[Steven.M.Fischer3@uscg.mil](mailto:Steven.M.Fischer3@uscg.mil)>; PaDelford, Sue S. <[Sue.PaDelford@jacobs.com](mailto:Sue.PaDelford@jacobs.com)>  
Cc: Sugarman, Shelly CIV <[Shelly.H.Sugarman@uscg.mil](mailto:Shelly.H.Sugarman@uscg.mil)>; katherine.o'dell@ecstech.com; McReynolds, Danny G CIV <[Danny.G.McReynolds@uscg.mil](mailto:Danny.G.McReynolds@uscg.mil)>; Smith, Jason (Seattle) <[Jason.Smith6@jacobs.com](mailto:Jason.Smith6@jacobs.com)>; Keim, Matthew <[Matthew.Keim@BNSF.com](mailto:Matthew.Keim@BNSF.com)>; Sugarman, Shelly CIV <[Shelly.H.Sugarman@uscg.mil](mailto:Shelly.H.Sugarman@uscg.mil)>; Dunn, Brian CIV <[Brian.Dunn@uscg.mil](mailto:Brian.Dunn@uscg.mil)>; Greene, John J CTR <[John.J.Greene@uscg.mil](mailto:John.J.Greene@uscg.mil)>; Moore, James M CIV <[James.M.Moore2@uscg.mil](mailto:James.M.Moore2@uscg.mil)>; Bordenave, Pierre <[Pierre.Bordenave@jacobs.com](mailto:Pierre.Bordenave@jacobs.com)>; Swanson, Kristopher <[Kristopher.Swanson@BNSF.com](mailto:Kristopher.Swanson@BNSF.com)>; Hurst, Austin <[Austin.Hurst@BNSF.com](mailto:Austin.Hurst@BNSF.com)>; Swanson, Jeff A <[Jeff.Swanson@BNSF.com](mailto:Jeff.Swanson@BNSF.com)>  
Subject: [EXTERNAL] RE: LPO Bridge EA - Fully developed alternatives analysis

Hi all,

Sorry for the late reply on this one. Other permit activities have been rapidly consuming our time.

The main additional points the Corps would be looking for in the alternatives analysis, to ensure it will also work for the Corps alternative analysis under the 404(b)(1) guidelines, is the inclusion of the estimated amount of impacts each alternative would have on Waters of the U.S., including wetlands (acres of impacts to wetlands/open water/etc). Also, we want to ensure that the list of alternatives be robust enough address those questions that have been brought up through public input (both comments and at IDL's public hearing) on potential alternative options. While many of these are easily dismissible as not practicable, we will still need to explain the reasoning behind that practicability call.

This is a hard subject to frame in email so if anyone has questions please feel free to call me so we can discuss in more detail.

Sincerely,

Shane Slate  
Regulatory Project Manager

US Army Corps of Engineers  
Walla Walla District  
Coeur d'Alene Regulatory Office  
1910 Northwest Blvd., Suite 210  
Coeur d'Alene, ID 83814  
Ph. 208-433-4474  
[shane.p.slate@usace.army.mil](mailto:shane.p.slate@usace.army.mil)

-----Original Message-----

From: Fischer, Steven M CIV [<mailto:Steven.M.Fischer3@uscg.mil>]  
Sent: Wednesday, August 08, 2018 11:31 AM  
To: Slate, Shane P CIV USARMY CENWW (US) <[Shane.P.Slate@usace.army.mil](mailto:Shane.P.Slate@usace.army.mil)>; PaDelford, Sue S. <[Sue.PaDelford@jacobs.com](mailto:Sue.PaDelford@jacobs.com)>  
Cc: Sugarman, Shelly CIV <[Shelly.H.Sugarman@uscg.mil](mailto:Shelly.H.Sugarman@uscg.mil)>; katherine.o'dell@ecstech.com; McReynolds, Danny G CIV <[Danny.G.McReynolds@uscg.mil](mailto:Danny.G.McReynolds@uscg.mil)>; Smith, Jason (Seattle) <[Jason.Smith6@jacobs.com](mailto:Jason.Smith6@jacobs.com)>; Keim, Matthew <[Matthew.Keim@BNSF.com](mailto:Matthew.Keim@BNSF.com)>; Sugarman, Shelly CIV <[Shelly.H.Sugarman@uscg.mil](mailto:Shelly.H.Sugarman@uscg.mil)>; Dunn, Brian CIV <[Brian.Dunn@uscg.mil](mailto:Brian.Dunn@uscg.mil)>; Greene, John J CTR <[John.J.Greene@uscg.mil](mailto:John.J.Greene@uscg.mil)>; Moore, James M CIV <[James.M.Moore2@uscg.mil](mailto:James.M.Moore2@uscg.mil)>; Bordenave, Pierre <[Pierre.Bordenave@jacobs.com](mailto:Pierre.Bordenave@jacobs.com)>; Swanson, Kristopher <[Kristopher.Swanson@BNSF.com](mailto:Kristopher.Swanson@BNSF.com)>; Hurst, Austin <[Austin.Hurst@BNSF.com](mailto:Austin.Hurst@BNSF.com)>; Swanson, Jeff A <[Jeff.Swanson@BNSF.com](mailto:Jeff.Swanson@BNSF.com)>  
Subject: RE: LPO Bridge EA - Fully developed alternatives analysis

Shane, did you have a chance to look at the email below?

Thanks

Steve

-----Original Message-----

From: Fischer, Steven M CIV

Sent: Friday, July 20, 2018 2:33 PM

To: 'Slate, Shane P CIV USARMY CENWW (US)' <[Shane.P.Slate@usace.army.mil](mailto:Shane.P.Slate@usace.army.mil)>; PaDelford, Sue S. <[Sue.PaDelford@jacobs.com](mailto:Sue.PaDelford@jacobs.com)>

Cc: Sugarman, Shelly CIV <[shelly.h.sugarman@uscg.mil](mailto:shelly.h.sugarman@uscg.mil)>; 'katherine.o'dell@ecstech.com' <[katherine.o'dell@ecstech.com](mailto:katherine.o'dell@ecstech.com)>; McReynolds, Danny G CIV <[danny.g.mcreynolds@uscg.mil](mailto:danny.g.mcreynolds@uscg.mil)>; 'Smith, Jason (Seattle)' <[Jason.Smith6@jacobs.com](mailto:Jason.Smith6@jacobs.com)>; Keim, Matthew <[Matthew.Keim@BNSF.com](mailto:Matthew.Keim@BNSF.com)>; Sugarman, Shelly CIV <[Shelly.H.Sugarman@uscg.mil](mailto:Shelly.H.Sugarman@uscg.mil)>; Dunn, Brian CIV <[Brian.Dunn@uscg.mil](mailto:Brian.Dunn@uscg.mil)>; Greene, John J CTR <[John.J.Greene@uscg.mil](mailto:John.J.Greene@uscg.mil)>; Moore, James M CIV <[James.M.Moore2@uscg.mil](mailto:James.M.Moore2@uscg.mil)>; Bordenave, Pierre <[Pierre.Bordenave@jacobs.com](mailto:Pierre.Bordenave@jacobs.com)>; Swanson, Kristopher <[Kristopher.Swanson@BNSF.com](mailto:Kristopher.Swanson@BNSF.com)>; Hurst, Austin <[Austin.Hurst@BNSF.com](mailto:Austin.Hurst@BNSF.com)>  
Subject: LPO Bridge EA - Fully developed alternatives analysis

IRT BNSF's work on the LPO draft EA. You had mentioned that would like to see a fully developed alternative(s) analysis. Can you provide Sue and team additional clarification on what you will be looking for in the alternatives analysis.

Thanks

Steve Fischer  
13th Coast Guard District  
Waterways Management (dpw)  
Bridge Program Administrator/Chief  
Thirteenth Coast Guard District  
(206)220-7282

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