

Jeff Lehman

From: Bryan Roberts <BRoberts@PuyallupWA.gov>
Sent: Friday, October 15, 2021 5:15 PM
To: Jeff Lehman; Hans Hunger; Ken Cook; Mark Higginson; Sarkany, Rick; Lee, Ken; Cooney, Steve (Contractor); Russell, Brian (Contractor); Farrell, Robin (Contractor) (c-Robin.Farrell@soundtransit.org); Yilin.Wang; Syed Rahman; Justin Matthews; Brent Pilon; Shimizu, Gregory T; Ken Davies; Cary Bertram; Greg Edwards
Cc: Jeff Lehman
Subject: RE: E-21-0022/ST Parking Garage - 4th/Stewart Signal Cabinet Concept Discussion - Notes/Exhibits for Reference
Attachments: RE: PSAI DP 3 Traffic Comment resolution -Meeting Minutes/Follow up -Permit E-21-0022

Hi Jeff,

I met with public works to discuss your conceptual 4th/Stewart design. The City is OK with the proposed conduit fill assumptions (temporary & final) and the shifted cabinet location. City staff had the following comments:

- When removing the old cabinet, cut/cap the existing conduit under existing foundation.
- Provide an 8" riser under the cabinet to provide space to coil wire.
- The 350i ATC cabinet is preferred at this location.

I sent Justin my curb alignment comments to meet BNSF's the buffer space requirements. Please let me know if you have any questions or concerns. The signal specifications list the City's preferred cabinet/controller type for each intersection. Per the spec, it's the responsibility of the design team to confirm McCain/Rhythm compatibility. Once the conceptual design for 4th/Stewart is updated, please submit the plans per Ken Cook's email (attached). Thank you,

Bryan Roberts, P.E.

Traffic Engineer
D 253-841-5542
M 253-278-1156
City of Puyallup
333 S Meridian
Puyallup WA 98371

From: Bryan Roberts
Sent: Tuesday, October 12, 2021 6:51 AM
To: Jeff Lehman <Jeff.Lehman@kpff.com>; Hans Hunger <HHunger@PuyallupWA.gov>; Ken Cook <KCook@PuyallupWA.gov>; Mark Higginson <MHigginson@PuyallupWA.gov>; Sarkany, Rick <rick.sarkany@soundtransit.org>; Lee, Ken <ken.lee@soundtransit.org>; Cooney, Steve (Contractor) <Steve.Cooney@soundtransit.org>; Russell, Brian (Contractor) <c-Brian.Russell@soundtransit.org>; Farrell, Robin (Contractor) (c-Robin.Farrell@soundtransit.org) <c-Robin.Farrell@soundtransit.org>; Yilin.Wang <yilin.wang@concordengr.com>; Syed Rahman <Syed.Rahman@concordengr.com>; Justin Matthews <Justin.Matthews@kpff.com>; Brent Pilon <Brent.Pilon@kpff.com>; Shimizu, Gregory T <gshimizu@henselhelps.com>; Ken Davies <KenDavies@PuyallupWA.gov>; Cary Bertram <CBertram@PuyallupWA.gov>; Greg Edwards <GEdwards@PuyallupWA.gov>
Cc: Jeff Lehman <jeff.lehman@kpff.com>
Subject: RE: E-21-0022/ST Parking Garage - 4th/Stewart Signal Cabinet Concept Discussion - Notes/Exhibits for Reference

Good Morning Jeff,

I have an internal meeting setup for this Thursday to discuss your design proposal with Public Works Staff. If any questions come up I'll reach out to Concord directly. Thank you,

Bryan Roberts, P.E.

Traffic Engineer

D 253-841-5542

M 253-278-1156

City of Puyallup

333 S Meridian

Puyallup WA 98371

From: Jeff Lehman <Jeff.Lehman@kpf.com>

Sent: Thursday, October 7, 2021 5:29 PM

To: Hans Hunger <HHunger@PuyallupWA.gov>; Ken Cook <KCook@PuyallupWA.gov>; Mark Higginson <MHigginson@PuyallupWA.gov>; Bryan Roberts <BRoberts@PuyallupWA.gov>; Sarkany, Rick <rick.sarkany@soundtransit.org>; Lee, Ken <ken.lee@soundtransit.org>; Cooney, Steve (Contractor) <c-Steve.Cooney@soundtransit.org>; Russell, Brian (Contractor) <c-Brian.Russell@soundtransit.org>; Farrell, Robin (Contractor) <c-Robin.Farrell@soundtransit.org>; Yilin.Wang <yilin.wang@concordengr.com>; Syed Rahman <Syed.Rahman@concordengr.com>; Justin Matthews <Justin.Matthews@kpf.com>; Brent Pilon <Brent.Pilon@kpf.com>; Shimizu, Gregory T <gshimizu@henselphelps.com>; Ken Davies <KenDavies@PuyallupWA.gov>; Cary Bertram <CBertram@PuyallupWA.gov>; Greg Edwards <GEdwards@PuyallupWA.gov>

Cc: Jeff Lehman <jeff.lehman@kpf.com>

Subject: E-21-0022/ST Parking Garage - 4th/Stewart Signal Cabinet Concept Discussion - Notes/Exhibits for Reference

Importance: High

CAUTION: This is an External Email. Do not click links or open attachments unless you are expecting them.

Team,

I am following up on our 4th/Stewart Signal Cabinet discussion today with the City of Puyallup (City), Sound Transit (ST) and Hensel Phelps (HP) Team. Attached are the (3) documents reviewed in today's discussion, including: 1) Concept Design of 4th/Stewart Signal Cab Shift, 2) Conduit Fills for Temp and Proposed/Final condition of existing W Stewart conduit crossing and 3) 5th St NW curb/lane adjustment.

In addition, I have included a few notes from our discussion – Please let me know if you have any edits or additions to my notes.

Next Steps:

1. **City to Provide Comments on the 4th/Stewart Signal Cab Concept + Fills & 5th St NW Curb/Lane Adjustment Concept** – City of Puyallup to review the attached 4th/Stewart Signal Cabinet concept design + conduit fills and 5th St NW curb/lane adjustment
 - a. **Additionally Confirm Signal Cab & Controller Type for Each Location** – Bryan Roberts is reviewing correspondence forwarded separately by Concord to confirm the final City requested Signal Cabinet, Signal Controller and Batter Backup System Types for EACH location for the project.
2. **HP Team to Prepare Plan Change Request for ALL Materials for City Review**

Notes:

- **5th St NW Curb/Lane Adjustment:**
 - Group reviewed the proposed curb/lane adjustments along west side of 5th St NW – This modification is in response to request from BNSF to meet their current standards
 - City confirmed no initial concerns with the proposed curb/lane adjustments, but will review and provide any initial comments prior to the preparation of formal Plan Change Request document submittal
 - City requested restoration with Curb/Gutter at HMA roadway section and then doweled curb at Concrete roadway section

- **4th Stewart Concept Design:**
 - Group reviewed the proposed 4th/Stewart Signal Cabinet relocation concept and the Temporary and Proposed/Final conduit fills for the W Stewart conduit crossing.
 - Specific to Conduits and Conduit Fill Calculations items discussed:
 - **W Stewart Crossing**
 - Conduit fill calculations provided ONLY covers the (2) existing conduits crossing N-S on W Stewart; ALL other existing conduit fills assumed to be maintained (or stay within code limits)
 - Concord confirmed that the “Temporary” conduit fill condition duration in the calculations provided would be limited to one or two days as the upgrades were made in the field – This approach maintains as much signal operation as possible during the upgrades
 - Concord confirmed Power/Illumination cabling included in the 1.5” conduit, and Signal cabling in the 2”
 - **Spare Conduits** - Concord confirmed (1) spare 2” conduit provided with the new conduits provided in the NE quadrant of the intersection for new power service – no other spares provided in concept design
 - City indicated this should be sufficient
 - Specific to Restorations:
 - City confirmed replacement of (2) curb ramps on the south and east side of the island in the NE quadrant would need to be replaced; the west ramp is intended to remain untouched in these upgrades
 - City requested removal of as much of the existing signal cabinet foundation as possible as part of restoration in the SE quadrant
 - City confirmed the balance of restoration would include sidewalk panel replacement – NO curb ramps impacted in this SE quadrant
 - City did not identify any immediate concerns with the concept, but noted they need to review with their Signal Technicians early next week
 - City did not identify any immediate concerns with the Temporary and Proposed/Final conduit fills, but noted they need to review with their Signal Technicians early next week
 - City will reach out to Concord (Yilin and Syed) with any questions on the 4th/Stewart Concept and conduit fills as they review.

Thank you again for the group’s time today reviewing.



Jeff Lehman, PE

Associate

○ 206.622.5822 D 206.926.0596

1601 Fifth Avenue, Suite 1600
Seattle, WA 98101