

**From:** [Mays, Ellis](#)  
**To:** "Jeff Morse"  
**Cc:** "Robert Lochmiller"; "Gloria Mantz"; "Mary R. Schroll"  
**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

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Jeff,

The estimate has not been completed yet, however, I can provide the after steps.

When the estimate is received I will create a project estimate which will include the signal estimate, surface estimate, flagging costs, and other construction related cost. Pending your approval of that estimate and the new annual signal maintenance free UPRR will draft the construction agreement for the city to review and execution.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

**C** 402-427-4231 | **E** [emays@benesch.com](mailto:emays@benesch.com) | **W** [www.benesch.com](http://www.benesch.com)

---

**From:** Jeff Morse <jmorse@spokanevalley.org>

**Sent:** Monday, October 19, 2020 11:17 AM

**To:** Mays, Ellis <EMays@benesch.com>

**Cc:** Robert Lochmiller <rlochmiller@spokanevalley.org>; Gloria Mantz <gmantz@spokanevalley.org>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

I hope all has been going well for you. I am checking the status of the signal design. It has been about 3 months since we finalized the layout around the tracks. What is the status of the design and if it is completed what is our next step?

Sincerely,

JEFF MORSE

Jeff Morse | Engineering Technician - CAD Administrator

10210 E. Sprague Avenue | Spokane Valley, WA 99206

Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <EMays@benesch.com>

**Sent:** Monday, September 28, 2020 11:58 AM

**To:** Jeff Morse <jmorse@spokanevalley.org>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

I do not have an exact measurement of the process, however typical estimates are 3 months. I will let you know if I hear any new information.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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**From:** Jeff Morse <jmorse@spokanevalley.org>

**Sent:** Monday, September 28, 2020 11:50 AM

**To:** Mays, Ellis <EMays@benesch.com>

**Cc:** Robert Lochmiller <rlochmiller@spokanevalley.org>; Gloria Mantz <gmantz@spokanevalley.org>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

This email is in regards to the signal design. I am checking the status and to see if you have an ETA for the

signal design.

Sincerely,

JEFF MORSE

Jeff Morse | Engineering Technician – CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Sunday, September 6, 2020 3:28 PM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Gloria Mantz <[gmantz@spokanevalley.org](mailto:gmantz@spokanevalley.org)>; Betty Young - Utilities and Transportation Commission (UTC)/Rail Safety ([betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov)) <[betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov)>; Turcott, Mike (UTC) <[mike.turcott@utc.wa.gov](mailto:mike.turcott@utc.wa.gov)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

I will pass this on to UPRR, however, it is typical that they do not sign until the agreement is circulating. I am hopeful that I will receive the signal estimate soon so that I can provide it to the city for concurrence and subsequently I can ask UPRR to draft that agreement.

Thanks,

Ellis A. Mays | Project Manager

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**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Thursday, September 3, 2020 11:07 AM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Gloria Mantz <[gmantz@spokanevalley.org](mailto:gmantz@spokanevalley.org)>; Betty Young - Utilities and Transportation Commission (UTC)/Rail Safety ([betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov)) <[betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov)>; Turcott, Mike (UTC) <[mike.turcott@utc.wa.gov](mailto:mike.turcott@utc.wa.gov)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

This message has originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links or responding to this email.

Ellis

Attached is the UTC petition document. Rob has signed for the City and I added the crossing exhibit for reference. Once Mary Schroll has signed, please return and I will forward onto Betty and Mike at UTC.

Thank you for your work on this project.

Sincerely,

JEFF MORSE

Jeff Morse | Engineering Technician – CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Thursday, September 3, 2020 7:14 AM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

Good catch – it should be 81 ft (10 panels) – that is how I requested the estimate.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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[\[linkprotect.cudasvc.com\]](#)

---

**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Thursday, September 3, 2020 7:07 AM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

I just noticed the distance for the new crossing surface seems short. The plans dimension it at almost 81' and the description in section 7 is 64'. I will change to 81' unless you say otherwise.

Take Care.

JEFF MORSE

Jeff Morse | Engineering Technician – CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Wednesday, September 2, 2020 4:35 PM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

My intent was simply to provide the roadway configuration. It can probably be removed from the parenthesis.

Other than that it looks good.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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[\[linkprotect.cudasvc.com\]](#) [\[linkprotect.cudasvc.com\]](#)

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**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

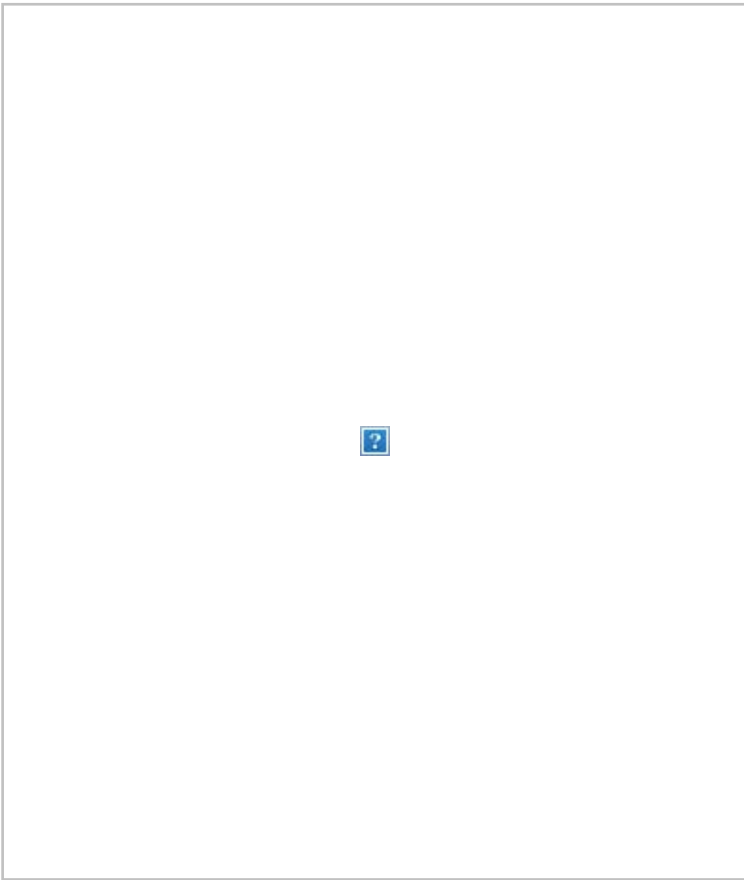
**Sent:** Wednesday, September 2, 2020 2:03 PM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

Here is a snap shot of the narrative in Sections 6 and 7. I was a little confused about what you intended in Section 6 with regards to the travel lanes. I think I captured your intent. Please review and let me know.

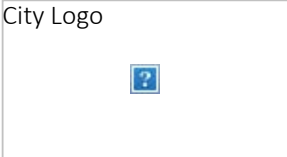


Thanks

**JEFF MORSE**

Jeff Morse | Engineering Technician – CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>  
**Sent:** Wednesday, September 2, 2020 9:11 AM  
**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>  
**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,  
The signal group has started to work towards providing a design and estimate – when that is received I will share it with you for concurrence.  
Attached are my revisions to the draft petition.  
Thanks,

Ellis A. Mays | Project Manager  
**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661  
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---

**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>  
**Sent:** Wednesday, September 2, 2020 7:42 AM  
**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>  
**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Gloria Mantz <[gmantz@spokanevalley.org](mailto:gmantz@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

I am following up with you to make sure you have everything you need from the City. I hope the signal design is moving along so we can keep on track for a bid early 2021.

Now that the design is nailed down I look forward to receiving the updated Petition required by Washington UTC. I have attached the Petition in its current state for your comments/updates. If you need additional information from the City do not hesitate to email me or Rob.

Just a reminder we are still working from home so email is the fastest way to contact us.

Sincerely,

**JEFF MORSE**

Jeff Morse | Engineering Technician - CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Friday, August 14, 2020 10:37 AM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

Can you also send me the updated RR exhibit for my records?

Thanks,

Ellis A. Mays | Project Manager

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---

**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Friday, August 14, 2020 7:57 AM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Gloria Mantz <[gmantz@spokanevalley.org](mailto:gmantz@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

Attached is your layout sketch with the missing needed dimensions. This should get you what you need to make a submittal on your end. If you need anything today just call me on my cell. I will jump on it for you.

I will update the layout exhibit and striping plans with the changes and send them next week. Have a great weekend.

Sincerely,

**JEFF MORSE**

Jeff Morse | Engineering Technician - CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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---

**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Thursday, August 13, 2020 2:53 PM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

Please see attached diagram per our call. If you have the actual dimensions for the 3 greater than (highlighted in red) dimensions that would be helpful as well. Let me know if anything else looks incorrect.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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---

**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Thursday, August 13, 2020 1:13 PM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

Did you get the invite to the 2 pm meeting?

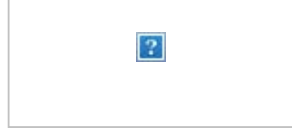
JEFF MORSE

Jeff Morse | Engineering Technician – CAD Administrator

10210 E. Sprague Avenue | Spokane Valley, WA 99206

Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

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**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Thursday, August 13, 2020 11:44 AM

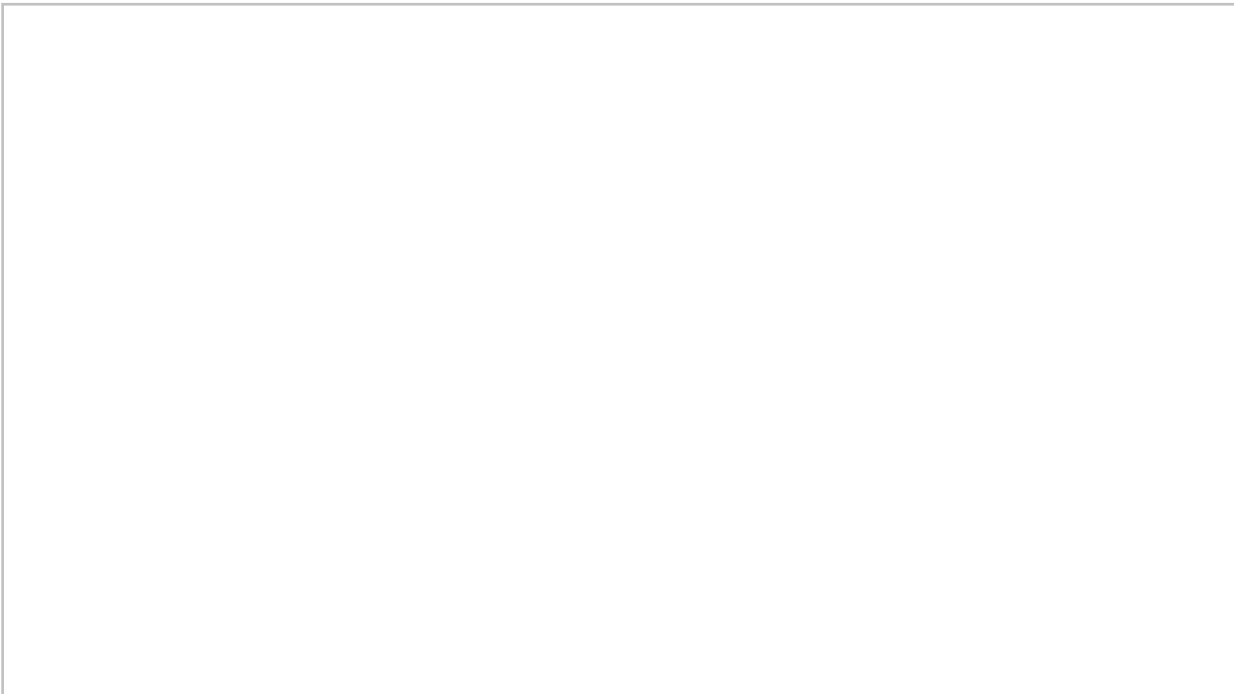
**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Ryan Kipp <[rkipp@spokanevalley.org](mailto:rkipp@spokanevalley.org)>; Jeremy Clark <[jclark@spokanevalley.org](mailto:jclark@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

Thanks for help preparing all these documents! I have three minor comments on the general plans and they will not affect signal design:



Regarding the RR exhibit can we do a 1 hour call today with your designer? There are a few changes and dimensions I need due to this not being a typical crossing and a phone call can get everything handled quickly so I can submit everything to UPRR this week.

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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---

**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Thursday, August 6, 2020 7:47 AM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Ryan Kipp <[rkipp@spokanevalley.org](mailto:rkipp@spokanevalley.org)>; Jeremy Clark <[jclark@spokanevalley.org](mailto:jclark@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

Attached are the revised sheets per your comments. I have also created an exhibit to show the dimensions for the RR crossing area per your summary below. Your summary is in blue and my responses are in red.

Regarding the signal and surface design I need a railroad plan sheet with the information as shown on the attached and as summarized:

- Face of curb to centerline of devices – The exhibit you sent appears to show dimension to back of curb but I showed to face per this summary.
- Edge of sidewalk to centerline of devices - Included
- Devices dimensioned from centerline of the track - Included
- DWD dimensioned from centerline of track – The exhibit shows one from centerline and one from center of rail. I dimensioned both from center of rail for constancy. As I previously stated the WSDOT standard limits the distance from center of rail to face of DWD to a maximum of 15', so that is what is maintained on the south side. See attached WSDOT standard plan.
- RR Cabinet dimensioned from track and edge of sidewalk (25ft from track, 30ft from face of curb) – My notes taken at on-site diagnostic meetings are 25 ft from face of curb and 30 ft from rail. Please verify which is correct.
- Median face dimensioned from centerline of track (10ft) - Included

- Width of lanes, median, shoulder, sidewalks, etc. at RR crossing – cross section width should equal total roadway width – **Included**
- Skew angle of crossing - **Included**
- Total crossing proposed width showing the 3ft overhang on either side of the crossing - **Included**
- Clearly show the limits of the existing crossing surface and the proposed (i.e. the new East edge is XX feet from the existing East edge, or similar) – **Included**

Plan Sheet comments and responses.

CH3 - During the diagnostic we talked about flasher visibility from this stop bar – This placement of the stop bar may provide visibility to the flasher intended for SB Barker traffic – is that the intent? – **The stop bar location was adjusted to improve sight distances and NB left turn movement for larger vehicles. It is our understanding that the design decisions of the signal arms, cantilevers and flasher locations is to be done by UP RR staff.**

RXR pavement markings are suggested for lanes only turning towards the RR – **A right turn only arrow needed to be added to this lane which limits the room for the RXR markings.**

CH4 – Consider placing all trail signs East of the trail to minimize motorist confusion – **Additional text, about the rotation, has been added to the keynote for these signs. The path is 10 ft wide and offset 5 ft from back of curb, which puts the sign on the west side of the path (SB ped/bike traffic) more than 30 ft away from the SB vehicle traffic lane. This should be sufficient distance to prevent confusion.**

**Consider adding R15-1 on both sides of the post – Added.**

I highlighted in yellow on the plans the changes that have been made per your comments. I have added a complete updated set to the Cloud share without the highlights for your use. The Crossing layout, highlighted revised sheets and WSDOT standard plan F-45.10-02 are all attached.

Sincerely,

**JEFF MORSE**

Jeff Morse | Engineering Technician – CAD Administrator  
10210 E. Sprague Avenue | Spokane Valley, WA 99206  
Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

City Logo




---

**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Tuesday, August 4, 2020 10:51 AM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Jeff,

Please see attached comments – they are pretty minor.

Regarding the signal and surface design I need a railroad plan sheet with the information as shown on the attached and as summarized:

- Face of curb to centerline of devices
- Edge of sidewalk to centerline of devices
- Devices dimensioned from centerline of the track
- DWD dimensioned from centerline of track
- RR Cabinet dimensioned from track and edge of sidewalk (25ft from track, 30ft from face of curb)
- Median face dimensioned from centerline of track (10ft)
- Width of lanes, median, shoulder, sidewalks, etc. at RR crossing – cross section width should equal total roadway width
- Skew angle of crossing
- Total crossing proposed width showing the 3ft overhang on either side of the crossing



- Clearly show the limits of the existing crossing surface and the proposed (i.e. the new East edge is XX feet from the existing East edge, or similar)

Give me a shout if you have any questions

Thanks,

Ellis A. Mays | Project Manager

**Alfred Benesch & Company** | 3017 Douglas Blvd, Ste 300, Roseville, CA 95661

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**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Monday, August 3, 2020 2:42 PM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Cc:** Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

Ellis

You will be receiving a link to a Cloud Share file for the Barker Rd UP crossing project. Once you receive that link I will add you as a user and you will be able to access files that will be shared. A pdf set of the 60% plans for your use in the RR crossing design have been added. It is easier to use the Cloud share since the file size can sometimes get to large to email. If you do not receive the email link by end of day check your spam/junk mail as sometimes it will get routed there.

Per our on-site diagnostic meeting the 60% plans are all that you needed to start your design process. If you have any questions or need additional information email me or Rob right away.

Sincerely,

JEFF MORSE

Jeff Morse | Engineering Technician – CAD Administrator

10210 E. Sprague Avenue | Spokane Valley, WA 99206

Phone: (509) 720-5022 | [jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)

City Logo



---

**From:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>

**Sent:** Friday, July 10, 2020 11:22 AM

**To:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>; Turcott, Mike (UTC) <[mike.turcott@utc.wa.gov](mailto:mike.turcott@utc.wa.gov)>; Betty Young - Utilities and Transportation Commission (UTC)/Rail Safety ([betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov))

<[betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov)>; Robert Lochmiller <[rlochmiller@spokanevalley.org](mailto:rlochmiller@spokanevalley.org)>; Ryan Kipp

<[rkipp@spokanevalley.org](mailto:rkipp@spokanevalley.org)>; Jerremy Clark <[jclark@spokanevalley.org](mailto:jclark@spokanevalley.org)>

**Cc:** Gloria Mantz <[gmantz@spokanevalley.org](mailto:gmantz@spokanevalley.org)>

**Subject:** RE: 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

All,

Please see attached my comments.

Thanks,

Ellis A. Mays | Project Manager

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**From:** Jeff Morse <[jmorse@spokanevalley.org](mailto:jmorse@spokanevalley.org)>

**Sent:** Tuesday, July 7, 2020 7:23 AM

**To:** Mays, Ellis <[EMays@benesch.com](mailto:EMays@benesch.com)>; Turcott, Mike (UTC) <[mike.turcott@utc.wa.gov](mailto:mike.turcott@utc.wa.gov)>; Betty Young - Utilities and Transportation Commission (UTC)/Rail Safety ([betty.young@utc.wa.gov](mailto:betty.young@utc.wa.gov))

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**Subject:** 0313 Barker Rd UP crossing - Spokane Valley, WA, MP 0012.990, DOT 662526C

To All

Attached are an updated set of onsite diagnostic meeting notes. Some minor changed due to errors and grammar. Also added note 8 under immediate action items.

Thanks again.

**JEFF MORSE**

Jeff Morse | Engineering Technician – CAD Administrator

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