

## St Germain, Dante

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**From:** Stuber, Beth  
**Sent:** Wednesday, April 5, 2023 1:25 PM  
**To:** St Germain, Dante; Planning Customer Service  
**Subject:** FW: Xebec Development  
**Attachments:** TuckerStation\_SignalWarrants.pdf

Please add the email and attachment into the record for 22-zone-0098.

Thanks, Beth

Beth Stuber, PE  
Transportation Engineering Supervisor

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**From:** Adam Kirk <Adam@adamkirkpe.com>  
**Sent:** Wednesday, April 5, 2023 10:54 AM  
**To:** Stuber, Beth <Elizabeth.Stuber@louisvilleky.gov>  
**Cc:** Brown, Jeffrey <Jeffrey.Brown@louisvilleky.gov>; Kelli Jones <kelli.jones@swlinc.com>  
**Subject:** Xebec Development

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Beth,

I am attaching the signal warrant analysis for Tucker Station at BG Parkway and at S. Pope Lick Road, which shows that both signals are expected to meet signal warrants after the Ball Homes Residential Development and the Xebec development are completed. It does not contain the other developments in the area.

Below also is a table that shows the potential signal contribution based on the volume added to the intersection and an assumed signal cost of \$150K based on the methodology we discussed on Monday.

Peak Period	Entering Traffic		Percent Growth	Signal Cost	"Fair Share" Cost
	No Build	Build			
Tucker Station at Bluegrass Parkway					
AM Peak	1305	1411	8%	\$ 150,000	\$ 12,185
PM Peak	1671	1742	4%		
Tucker Station at S. Pope Lick					
AM Peak	1084	1294	19%	\$ 150,000	\$ 28,995
PM Peak	1339	1531	14%		

If you have any questions please let me know. We are hoping that when we talk on Friday, we will be able to have a good idea of what improvements and contributions Metro will be recommending to the Planning Commission for the Xebec Development, in addition to the turn lane improvements at Tucker/S. Pope Lick.

Thanks,

Adam

**Adam Kirk** | Principal

859.421.2567 (w) | [adam@adamkirkpe.com](mailto:adam@adamkirkpe.com)

