

TRANSPORTATION ADVISORY COMMISSION
December 1, 2020

Place: Electronic via Zoom

At 5:30 p.m.: Sam Kelly called the meeting to order.

Attendees: Karl Gadd, Garr Judd, Bernard Turner, Keith White and Jeff Whitlock, Transportation Advisory Commission members; Sam Kelly, City Engineer; Brady Hale, Transportation Engineer, Cheryl Vargas, Minutes Secretary; Jeffrey Lambson, City Council Member

Those excused: Becky Buxton, Transportation Advisory Commission member

400 West/1200 South Roundabout (Proposed design presentation by Horrocks Engineering, John Dorney and Jeffrey Mortimer)

Presentation:

- Levels of Service (LOS) – Aim for a C or better. [\(click here for recording\)](#)
- Current roundabout: 1) Will fail by 2040, 2) Queuing and delays affect surrounding traffic network, 3) Existing safety concerns remain. [\(click here for recording\)](#)
- Looked at single-lane roundabout: 1) Will fail by 2040, 2) Queuing and delays affect surrounding traffic network. [\(click here for recording\)](#)
- Looked at signal alternative: 1) Additional right-of-way required, 2) More than doubles traffic on 400 West in both AM and PM peak hours, 3) Portion of traffic from Wolverine Way re-routed to Campus Drive roundabout (already failing), 4) Removes direct access to UVU campus. [\(click here for recording\)](#)
- Looked at interim: Advantages: 1) Less right-of-way impact, 2) Acceptable LOS in 2030, 2) Minimizes traffic increase on 400 West. Disadvantages: 1) Unacceptable LOS in 2040 [\(click here for recording\)](#)
- Proposed concept: Advantages: 1) Acceptable LOS in 2040, 2) Accommodates BRT traffic, 3) Design has been refined to fit available space to minimize right-of-way needs, 4) Minimizes traffic increase on 400 West, 5) Fastest path through the roundabout ignoring striping, goes from current 41 mph to 35 mph. Disadvantage: 1) Additional right-of-way required.
 - Hardscape, curbing to slow traffic, brings speeds down to 33 mph in one lane and 25 mph in the other. [\(click here for recording\)](#)

Horrocks Engineering was asked to look at other roundabouts.

- Mesquite, NV. Talked to Aaron Baker, City Manager. Asked if he liked roundabouts and how the community accepted them. They have a high number of retirement community and tourists. The roundabouts do ok, with the occasional vehicle going backwards. Any crashes have been minor with no fatalities. The best thing they did was have public service announcements, education of public, signing, striping. Mr. Baker would give a thumbs up on roundabouts. [\(click here for recording\)](#)
- Bloomington/Brigham Rd, St. George, UT. [\(click here for recording\)](#)

Mr. White asked, on the southwest quadrant of the 400 West roundabout, did Horrocks look at extending that section and making it more oval, pushing the roundabout to the southwest making more curvature into those routes. Mr. Dorney said yes, they did look into that, but it kicks into the church

parking lot and takes parking away. The way it is designed is reasonable within the perimeters. Going into church parking lot may be too expensive. [\(click here for recording\)](#)

Commission thoughts on roundabout as presented [\(click here for recording\)](#)

- Mr. Whitlock said he did not understand the problem it is trying to solve. Mr. Kelly said the current roundabout is too small and the fastest path through it is upwards of 50 mph. It needs to be redesigned to make it safer and meet projected growth.
- Mr. Gadd asked, traveling from 1200 South westbound towards Wolverine Way, if vehicles had to cross over lanes. Mr. Dorney said there will be striping and signage back a block on 1200 South to give people time to choose correct lane.
- Mr. Gadd asked, talking about public service announcements as well, where would they be found. Mr. Dorney said it could be a citywide post on the City's website, a blitz of flyers around the area, emails at UVU. This would be three months and six months ahead of time. Mr. Gadd asked if there were a possibility of temporary signage at roundabout. Mr. Kelly said once it is up and operational, flags will be placed around signage directing which lane to be in for the exits.
- Mr. Whitlock said seems very complicated. Mr. Dorney said this is a typical two-lane/one-lane roundabout. There is nothing unusual about it.
- Mr. Lambson said he was on the roundabouts in Bloomington last weekend and if there were potential for a confusing roundabout, that would be it. He appreciates the work, insight and planning that has gone into this concept plan to make this roundabout better.
- Mr. White said he thinks they should go with black (indicating slide in presentation showing roundabout completely built out). To partially build it out introduces more cost and complexity to go with one lane now and then go back in ten years and adjust. Do what needs to be done to educate public. He sees a lot more positives than negatives.
- Mr. Gadd said he agrees with Mr. White. He thinks it should be built out to 2040 standards and then leave it alone. Mr. Dorney said going back into the roundabout is not just a cost issue, but it disrupts traffic also.

Motion: Mr. White moved to forward a positive recommendation to the City Council to move forward with the hybrid roundabout as it has been proposed in this presentation. Mr. Gadd seconded the motion. Those voting aye: Karl Gadd, Bernard Turner, Keith White and Jeff Whitlock. The motion passed unanimously. [\(click here for recording\)](#)

Other:

- Sidewalk to be installed on 800 North, east of Timpanogos Regional hospital. Work in coordination with UDOT. [\(click here for recording\)](#)
- Money to put an intersection improvement at 1600 North 400 East. Looking to put in a scramble crosswalk. Looking to put some biking and pedestrian protection. If you are riding your bike, it will signal the intersection and all four lights will turn red. [\(click here for recording\)](#)
- Working with Vineyard to look at spur line to widen Center Street. CRS has been selected by Vineyard to design that spur line. Have contact with Union Pacific to see if they can rearrange how they serve BMC West and perhaps abandon that crossing sooner rather than later. [\(click here for recording\)](#)
- Look at doing a signalized intersections - 400 South and 400 West will be the first one on the list. [\(click here for recording\)](#)

- With the rezoning of the SW area, reevaluating all of the master plans and impact fees with the change from Low Density Residential to Medium Density Residential. That is going to be the Transportation Plan. [\(click here for recording\)](#)
- Looking to award a project to make intersection improvements at 800 North and 800 East. [\(click here for recording\)](#)
- Will also extend the median on Center Street blocking the first entrance into the City Center from eastbound traffic making a left turn there. [\(click here for recording\)](#)

Approval of Minutes: Mr. Whitlock moved to approve the May 5, 2020 and September 1, 2020 minutes. Mr. Gadd seconded the motion. Those voting aye: Karl Gadd, Bernard Turner, Keith White and Jeff Whitlock. The motion passed unanimously. [\(click here for recording\)](#)

Approval of 2021 Meeting Calendar: Mr. Gadd moved to approve the 2021 Transportation Advisory Commission meeting calendar. Mr. Whitlock seconded the motion. Those voting aye: Karl Gadd, Bernard Turner, Keith White and Jeff Whitlock. The motion passed unanimously. [\(click here for recording\)](#)

Motion to Adjourn: Mr. White moved to adjourn. Mr. Gadd seconded the motion. Those voting aye: Karl Gadd, Bernard Turner, Keith White and Jeff Whitlock. The motion passed unanimously. [\(click here for recording\)](#)

Adjourned: 7:00 p.m.

Sam Kelly

Approved: April 6, 2021