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TO: Mayor and Council

FROM: Craig Hupy, Public Services Area Administrator  
Marti Praschan, Financial Manager, Public Services

CC: Tom Crawford, CFO  
Nick Hutchinson, City Engineer  
Karen Lancaster, Finance Director  
Howard S. Lazarus, City Administrator

SUBJECT: Public Services – School Pedestrian Safety

DATE: May 11, 2017

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**Question #84:** As you know, the A2Safe Transport group prepared a recommended list of needed improvements based on their research including:

- RRFB's – Allen, Lawton, Pattengill; Clague; Pioneer, Huron (completed)
- Streetlights – Allen, Eberwhite, Forsythe, Slausen, Greenhills, AA Open (K-8), Tappan
- Bumpouts – Bach\*, Community, Huron
- Refuge Island – Huron, Pioneer
- New/Upgraded crosswalks – Burns Park, Community, AA Open (K-8)

Which (if any) of these specific improvements are funded and planned for FY18 and/or FY19? (Councilmember Lumm)

**Response:** The recommendations made by A2Safe Transport are being reviewed by AAPS Transportation Safety Committee (TSC). The results of this review will help to direct the next steps for Tier 3 & 4 locations. Highlighted above (in green) are the locations that are part of the Tier 2 work that is already planned for the 2017 construction season, although the proposed treatments do not necessarily match exactly with the information as presented above. The specifics of the work scheduled for these locations is detailed in the Memo from the City Administrator dated May 10. The FY18 Budget does not include new funding to add to the previous \$200,000 total funding provided in the amended FY16 and FY17 budgets, which is being used for the priority streetlight installations as described in Council Resolutions R-16-404 and R-16-

428. These locations include 27-29 new streetlights and does not include any of the above locations. City staff will be using the Streetlight Prioritization Model tool to examine all of the Ann Arbor Public Schools, starting with the high schools and middle schools, and score the results and compare them to the existing list of remaining requests city-wide.

\*Work at Bach Elementary is included as part of the Annual Resurfacing Program this summer, which is resurfacing some of the streets adjacent to the school.

**Q#84.a.** Please provide an approximate cost for each (for RRFB's, streetlights, upgraded crosswalk, etc.) improvement.

**Response:** Estimated costs for the scheduled Tier 2 improvements are included in the attached table. Specific treatments and costs for Tier 3 & 4 improvements have not been evaluated yet.

**Q#84.b.** What are the eligible funding sources to pay for these improvements (e.g., street and sidewalk millage, county road millage, Alternative Transportation Fund, etc.), and specifically, what are the FY18 revenues, expenses and projected fund balance for the Alternative Transportation Fund and county road millage?

**Response:** In general, all above-mentioned improvements with the exception of the streetlight installations (general fund) are eligible expenditures in the street millage fund, which includes the county road millage, the Alternative Transportation Fund, and the Major and/or Local Street Funds. The proposed Alternative Transportation Fund Budget and projected Fund Balances are as follows:

Alternative Transportation Fund Revenues:	\$508,212
Alternative Transportation Fund Expenditures:	\$268,047
Projected Alternative Transportation Fund Balance 06/30/18:	\$464,948
Projected Alternative Transportation Fund Balance 06/30/20:	\$3,893

**Question #85:** The response Friday on what is covered in the recommended budget indicated that “this \$700K will go towards Tier 2 improvements (estimated cost \$400K), with the remainder used for installation of RRFB’s at other non-school locations”. The Tier 2 attachment provided with the City Administrator’s February 23<sup>rd</sup> report showed actions totaling \$397K – is that the current list of actions planned that the “estimated cost \$400K” is referencing? (Councilmember Lumm)

**Response:** Yes.

**Q #85.a.** What are the non-school RRFB locations planned/being considered?

**Response:** The anticipated RRFB work that is not part of the Tier 2 School Safety work includes:

1. Packard at Woodmanor Ct.
2. Platt Road at Edgewood
3. Platt Road north of Williamsburg
4. Fuller Road at Fuller Park
5. W. Stadium Blvd. near Kay Parkway
6. W. Stadium Blvd. near Greenview Drive

If bid prices for this work come in favorably, additional locations may be added. Conversely, if bid prices are not favorable, locations may be postponed.

**Question #86:** There was discussion at the Northside Safe Schools Grant meeting of in-street signs and that they represent a cost-effective, good bang-for-buck safety improvement solution in many cases. At the meeting, the MSU presenters indicated the costs for in-street signs are \$200-500/crosswalk. Are these cost estimates consistent with the City's understanding of the costs per in-street signage? (Councilmember Lumm)

**Response:** Yes.

**Q#86.a.** Are in-street signs being considered and if so, approximately how many and at what locations?

**Response:** Yes, the in-street signs (which have often been referred to locally as "gateway treatments") have been found to be very effective at both slowing traffic and increasing yielding rates. They already are in place at several locations around the City including Nixon/Bluett, Division/Jefferson, Huron near Fletcher, and Seventh at Pioneer. Other additions are being included as part of the Tier 2 improvements, which include Community High (both Fifth and Division), Fuller Road at Huron High, and Packard Street near Pathways to Success. An additional location being evaluated is Huron Parkway at Glazier Way. This treatment will also be considered for other locations on a case-by-case as crosswalks are evaluated for appropriate enhancements.

**Question #87:** The response Friday suggested there is not any funding in the FY18 budget or FY19 plan for the Tier 4 actions (evaluate and recommend improvements to School Walking Routes). Is that correct, and if not, how much is included and what is the funding intended to cover? In addition, if so, what is the plan to address the Tier 4 actions? (Councilmember Lumm)

**Response:** AAPS Transportation Safety Committee (TSC) is reviewing the recommendations made by A2Safe Transport. The results of this review will help to direct the next steps for Tier 3 & 4 locations.

## School Crosswalk Treatments - Tier 2

Work in this tier includes capital improvements on major roads adjacent to schools and some local roads adjacent to middle schools. Treatments listed below include all pavement markings and signage that would be appropriate in

School	In-Lane Signs <sup>1</sup> ("Gateway Treatment")			Bump Outs			RRFBs			Other Treatments			
	Planned	Complete	Est. Cost	Planned	Complete	Est. Cost	Planned	Complete	Est. Cost	Type	Planned	Complete	Est. Cost
<b>Community High</b>													
Fifth Ave			\$ 800										
Division St	X		\$ 1,200	X		\$ 6,406							
<b>Huron High<sup>2</sup></b>													
Fuller Road	X		\$ 1,600				X	X	\$ 50,000	Sidewalk installation for potential relocated crosswalk	X		\$ 175,000
<b>Pathways to Success</b>													
Packard Street	X		\$ 1,200				X		\$ 70,000				
<b>Pioneer High</b>													
Seventh Street <sup>3</sup>	X	X	n/a				X		n/a				
Scio Church										Sidewalk installation planned as part of 2018 Resurfacing Project			
Stadium Blvd.							X	X	n/a				
<b>Ann Arbor Open</b>										Sidewalk Gap on Red Oak	X		\$ 11,465
<b>Clague</b>										Traffic Calming: Raised mid-block crosswalks on Bluett	X		\$ 19,053
Nixon	X	X	\$ 1,600										
<b>Forsythe/Wines</b>													
Newport & Red Oak	X		\$ 1,200										
<b>Scarlett/Mitchell</b>													
Lorraine	X		\$ 800							Ramps across Lorraine, ramps across school driveway	X		\$ 5,091
<b>Slauson</b>													
Washington Street				X	2018	\$ 14,117							
Eighth Street										Waterworks crosswalk	X		\$ 5,522
<b>Tappan</b>										Engineering review of intersection of Brockman/Sheppard/Driveway (Staff time)	X		\$ 800
Stadium & Brockman										Sidewalk repairs, ramp repairs			\$ 31,740
TOTALS			\$ 8,400			\$ 20,523			\$ 120,000				\$ 248,671

Total Estimated Cost (All Treatments) =

**\$ 397,594**

AAPS Costs = \$48,296

City Costs = \$349,298

Notes:

<sup>1</sup> Materials only; does not include labor.

<sup>2</sup> The number shown above indicate a short term treatment (in-lane signage) at the current crosswalk location; and an anticipated RRFB crossing at a revised location further west.

<sup>3</sup> The cost of this RRFB installation is not included here, as it was previously programmed for installation.

Yellow highlighted costs indicate costs to be borne by AAPS.