

# Work Session

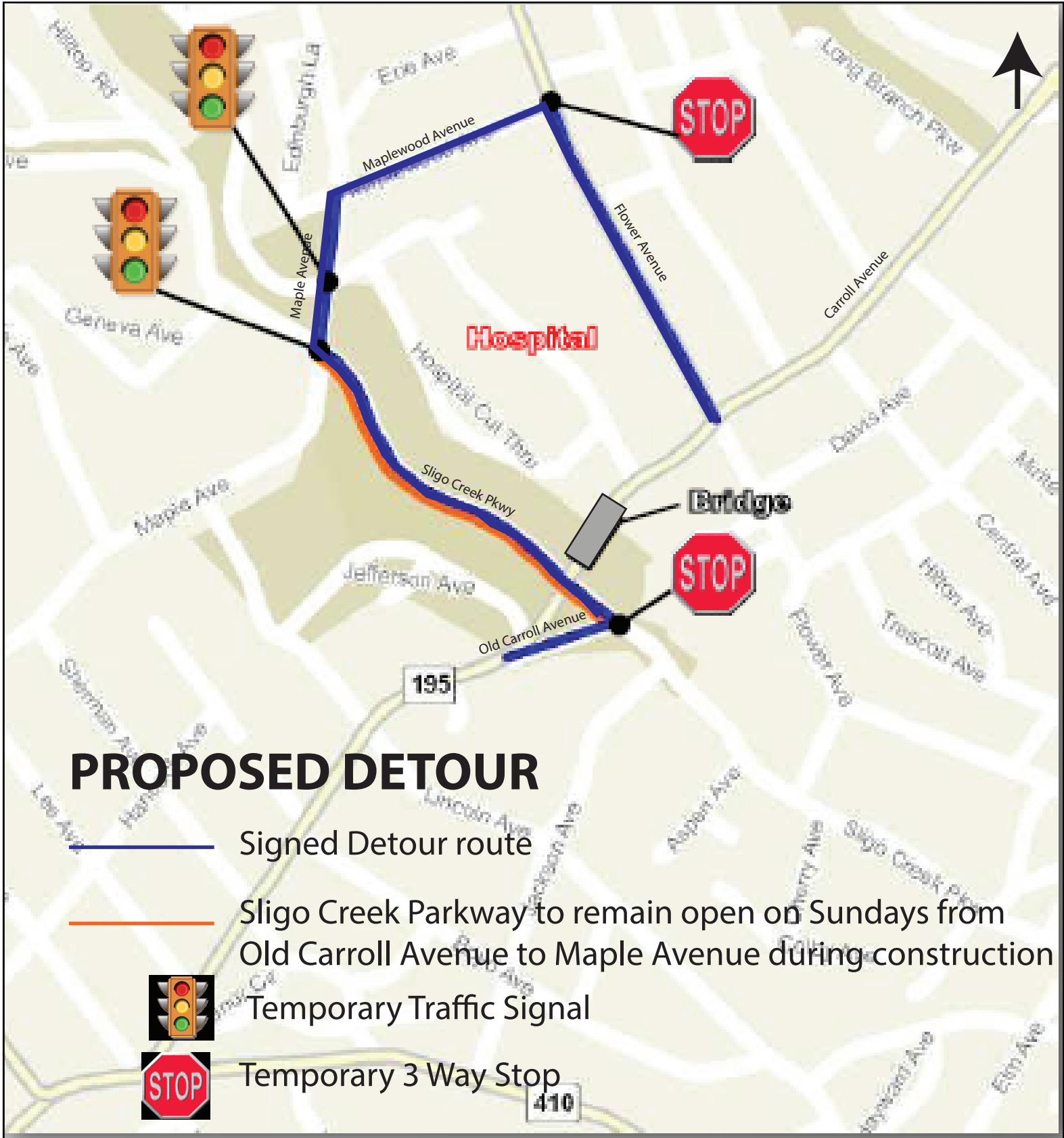
<b>Agenda Item #</b>	4
<b>Meeting Date</b>	September 8, 2015
<b>Prepared By</b>	Daryl Braithwaite Public Works Director
<b>Approved By</b>	Suzanne R. Ludlow City Manager

<b>Discussion Item</b>	Temporary Neighborhood Traffic Calming Measures to Address the Carroll Avenue Bridge Closure Detours
<b>Background</b>	<p>At the June 2, 2014, Council work session, the Council agreed to coordinate meetings with residents on streets potentially affected by traffic generated by the temporary closure of the Carroll Avenue bridge. City staff scheduled 10 such meetings. Additionally several neighborhoods organized their own meetings and provided their comments, as did the Safe Roadways Committee. The requests received from those meetings and groups were summarized and presented to the Council at the March 2, 2015 Council meeting. Additionally, the Council discussed whether to establish a simplified procedure for authorizing temporary traffic calming measures for streets impacted by the bridge closure. Council asked staff to develop an overall plan identifying the recommended traffic calming measures for City installation and confirm what measures will be addressed by State Highway Administration or their contractor.</p> <p>State Highway Administration has awarded the construction contract to Kiewit Infrastructure Group. SHA has scheduled a community meeting on September 24, from 6 pm to 8 pm at the Takoma Park Volunteer Fire Department building on Carroll Avenue to provide an opportunity for interested residents to ask questions and review display maps and plans.</p> <p>The first phase of construction is currently underway and involves utility relocations, construction of the temporary pedestrian bridge and installation of temporary traffic signals and signage. During this work, single lane closures will occur sporadically on Carroll Avenue and Sligo Creek Parkway between 9 am and 3 pm weekdays. The first phase is expected to last 6 to 9 months. The second phase, which will result in the closure of the bridge and implementation of the detour routes, will take place once the initial phase is completed and is expected to last 12 months.</p> <p>City staff have arranged for traffic volume counts to be gathered on 10 streets segments adjacent to the project area to establish a base line of traffic volume prior to the bridge closure. This data will be gathered in mid-September.</p> <p>The attached spreadsheet presents the staff recommendations for traffic control measures to be implemented by the City. It includes the list of traffic control measures to be implemented by SHA or their contractor.</p>
<b>Policy</b>	Streets in the City should be safe for motorists, pedestrians, and cyclists.

<b>Fiscal Impact</b>	Estimated cost to the City for implementation of the measures listed in the staff recommendation is \$45,000. The largest portion of the cost (about \$30,000) is for the new sidewalk on Sligo Creek Parkway. Budgeted funds are available for these costs.
<b>Attachments</b>	<ol style="list-style-type: none"><li>1. Original list of traffic calming requests received – with notes</li><li>2. Staff recommended temporary traffic calming measures</li></ol>
<b>Recommendation</b>	Council to review list of recommended measures, make any changes or additions and authorize implementation.
<b>Special Consideration</b>	

# DETOUR MAP

## CARROLL AVENUE BRIDGE PROJECT



**RECOMMENDED TRAFFIC CALMING MEASURES****CROSSWALKS/PEDESTRIAN CROSSING SIGNS**

Carroll Avenue	crosswalks at Boyd & Lincoln
Flower Avenue	pedestrian crossing signs at Maple and Maplewood
Maple Avenue	crosswalk markings at Grant, Lee, Sherman, Ritchie, Lincoln to be refurbished *
Maple Avenue	pedestrian crossing signs at intersections along detour route
Old Carroll Avenue	crosswalk across Old Carroll at Carroll Avenue (to be installed by SHA contractor)

**NEW SIDEWALK**

Sligo Creek Parkway	sidewalk between Old Carroll and Jackson
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**ONE WAY / NO ENTRY / TURN RESTRICTIONS**

Jefferson Avenue	no entry at Carroll & Jefferson
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**PARKING RESTRICTION**

Maplewood Avenue	extend no parking area (north side) to enable bus turns from Flower Ave
Maplewood Avenue	no parking on college side (odd side)
Old Carroll Avenue	no parking on both sides of street

**SIGNAGE / PAINTING**

Carroll Avenue	advance variable message boards on either side of approach to bridge
Carroll Avenue	detour ahead signs starting at 1,500 feet prior to bridge (before Garland Ave)
Edinburgh Lane	Install signage - No access to SCP at Maple Edinburgh intersection
Flower Avenue	detour ahead signs north bound at Jackson
Flower Avenue	detour ahead signs southbound at Houston
Maplewood Avenue	paint center line
Sligo Creek Parkway	stop ahead & detour ahead signs north bound and south bound

**TRAFFIC SIGNAL ISSUES**

Takoma Junction	Improve signal timing
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**OTHER MEASURES**

Monitor traffic for 3 days on each impacted street prior to closure to establish pre-construction baseline
Encourage "kind driving" through Newsletter articles and social media
Require contractors staff to park within construction zone, not on residential streets
Actively advertise Ride Share resources
Paint all crosswalks and stop bars in area prior to bridge work
Snow removal for detour routes needs to be high priority

**IMPLEMENTING****AGENCY****ADD'L COMMENTS**

SHA	District 3 office agreed to install crosswalk at Boyd, though it is not part of this project, District 3 office evaluating at Lincoln
TP	
TP	Received Safe Routes To School grant for this project, working through approvals to implement prior to bridge closure
TP	
SHA	Agreed to by SHA , will be installed as part of project

MNCPPC, TP	Agreed to by MNCPPC - they are completing design, to be installed by City contractor at City's expense
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TP

TP

TP

TP

SHA

SHA

TP

TP

TP

TP

MNCPPC, SHA

SHA

**Authority**

TP To be completed in mid-September by City contractor

TP

SHA Contractor is required to observe all local parking regulations, sufficient room for parking within construction zone.

TP

TP

SHA, MNCPPC, TP

**ORIGINAL TRAFFIC CALMING REQUESTS****CROSSWALKS/PEDESTRIAN CROSSING SIGNS**

		<b>Responsible Authority</b>	<b>Notes</b>
Carroll Avenue	crossing guard at Lincoln	TP	Police will review
Carroll Avenue	crosswalks at Boyd, Lincoln, Old Carroll & Flower	SHA	District 3 office evaluating at Lincoln, agreed to crosswalk at Boyd
Central Avenue	raised crosswalk mid block between Garland and Jackson	TP	mid-block crosswalks not recommended
Flower Avenue	pedestrian crossing signs at Maple and Maplewood	TP	included in staff recommendations
Lincoln Avenue	pedestrian crossing signs at Lincoln and Jefferson	TP	
Maple Avenue	high quality crosswalk markings at Grant, Lee, Sherman, Ritchie, Lincoln	TP	included in staff recommendations
Maple Avenue	crossing guards at Lincoln, Ritchie, Sherman	TP	Police will review
Maple Avenue	pedestrian crossing signs at intresections along detour route	TP	included in staff recommendations
Maple Avenue	raised crosswalk at Sligo Creek Parkway path	TP	
Old Carroll Avenue	crosswalk needed at Carroll Avenue	SHA, TP	SHA agrees and included in project
Sligo Creek Parkway	raised crosswalks at access points to SCP trail	MNCPPC	MNCPPC does not support raised crosswalks at these locations'

**NEW SIDEWALK**

Maplewood Avenue	sidewalk on college/odd side - exists on home side	TP	
Sligo Creek Parkway	sidewalk between Old Carroll and Jackson	MNCPPC, TP	MNCPPC agreed and is developing design

**ONE WAY / NO ENTRY / TURN RESTRICTIONS**

Carroll Avenue	remove left turn signal at Flower southbound/no left turns onto Flower	SHA	SHA will install No Detour Local traffic sign at this intersection
Edinburgh Lane	make one way	TP	
Erie Avenue	make one way toward Flower/ or make one way toward Maple	TP	
Erie Avenue	no entrance at Flower	TP	
Ethan Allen Avenue	no right turn on Elm for westbound drivers	SHA/TP	
Grant Avenue	restrict turning onto Grant in AM from Carroll	TP	
Jackson Avenue	turn restriction in effect all day at Ethan Allen	TP	
Jefferson Avenue	no entry at Carroll & Jefferson	TP	included in staff recommendation
Maplewood Avenue	make one way toward Flower	TP	
Sherman Avenue	make one way	TP	
Sligo Park Hills Neighborhood	remove existing turn restrictions	Mo Co	Montgomery County does not support removing restrictions

**PARKING RESTRICTION**

Grant Avenue	extend no parking area further from Maple Ave	TP	
Maplewood Avenue	extend no parking area (north side) to enable bus turns from Flower Ave	TP	included in staff recommendation
Maple Avenue	no parking in front of Community Center in AM	TP	
Maple Avenue	move bus stop near Grant further from intersection (toward Lee)	TP	
Maplewood Avenue	no parking on college side (odd side)	TP	included in staff recommendation
Old Carroll Avenue	no parking on street	TP	included in staff recommendation

**PERMIT PARKING**

Jefferson Avenue	permit parking during construction	TP	
Old Carroll Avenue	permit parking during construction	TP	
Sherman Avenue	permit parking during construction	TP	

**SPEED CAMERA**

Lincoln Avenue	portable speed camera during school bus times	TP	
Maplewood Avenue	speed camera	TP	

**SPEED BUMPS/HUMP**

Garland Avenue	3 speed humps	TP	
Jefferson Avenue	speed bump	TP	

Lincoln Avenue	speed bumps	TP
Maplewood Avenue	speed bumps	TP
Old Carroll Avenue	speed bump(s)	TP

**SIGNAGE / PAINTING**

All streets leading to bridge	advanced variable message boards	SHA, TP	SHA agreed to two VMB at eitehr end of bridge
Carroll Avenue	detour ahead signs southbound from University to Garland	SHA	SHA will be installing signs just north of Garland Ave
Edinburgh Lane	signage - No access to SCP at Maple	TP	included in staff recommendation
Flower Avenue	detour ahead signs north bound from Jackson to Chaney	TP	included in staff recommendation
Flower Avenue	detour ahead signs southbound from Houston to Erie	TP	included in staff recommendation
Maplewood Avenue	paint center line	TP	included in staff recommendation
Sligo Creek Parkway	stop ahead & detour ahead signs north bound from Aspen to Jackson	MNCPPC	included in staff recommendation
Sligo Creek Parkway	stop ahead signs south bound from Maple to Old Carroll	MNCPPC, SHA	SHA has included stop ahead signs in the project

**STOP SIGNS**

Carroll Avenue	stop sign at Old Carroll	SHA	Does not meet MUTCD standards for stop sign
Carroll Avenue	stop sign at Lincoln	SHA	Does not meet MUTCD standards for stop sign
Flower Avenue	2 way stop sign at Chaney	SHA	Outside of detour area
Flower Avenue	stop sign at Child Care Center 7213-7214 Flower	TP	Do not support mid-block stop sign
Flower Avenue	stop signs proposed in green street design - Domer, Wabash, Kennebec	TP	Does not meet MUTCD standards for stop sign
Garland Avenue	3 way stop at Minter Place	TP	Does not meet MUTCD standards for stop sign
Lincoln Avenue	3 way stop at Lincoln and Jefferson	TP	Does not meet MUTCD standards for stop sign
Maple Avenue	4 way stop sign at Grant	TP	Does not meet MUTCD standards for stop sign
Maple Avenue	4 way stop at Lee	TP	Does not meet MUTCD standards for stop sign
Maple Avenue	4 way stop sign at Maplewood	TP	Does not meet MUTCD standards for stop sign
Sligo Creek Parkway	4 way stop sign at Jackson	MNCPPC	Does not meet MUTCD standards for stop sign

**TRAFFIC SIGNAL ISSUES**

Carroll Avenue	traffic signal at Lincoln	SHA	SHA's District 3 office has initiated a study of this request
Flower Avenue	traffic signal instead of proposed stop signs at Maplewood	SHA	SHA believes intersection will operate acceptably with stop suign and signal not warranted
Maple Avenue	two new traffic signals to flash red off hours	SHA	
Takoma Junction	Improve signal timing	SHA	Adjusting signal timing is included in the project
Sligo Creek Parkway	traffic signal instead of 3 way stop, dedicated left turn, no right on red at Old Carroll	SHA, MNCPPC	SHA believes intersection will operate acceptably with stop suign and signal not warranted
Sligo Creek Parkway	left turn arrow for west bound traffic at Piney Branch	SHA	Outside of impact area

**GENERAL REQUESTS RECEIVED**

Monitor traffic for 3 to 5 days on each impacted street prior to closure to establish pre-construction baseline		<b>Authority</b>	
Encourage "kind driving" through Newsletter articles and social media		TP	To be completed in mid-September
Kids sign contest - winning signs to be made and installed along residential routes		TP	included in staff recommendations
Require contractors staff to park within construction zone, not on residential streets		TP	
Actively advertise Ride Share resources		SHA	Contractor required to follow traffic regulation, staging is expected to be on bridge approaches
Use speed trailer and get more speed indicators, install on neighborhood streets		TP	included in staff recommendations
Paint all crosswalks and stop bars in area prior to bridge work		TP	included in staff recommendations
Snow removal for detour routes needs to be high priority for all entities		SHA, MNCPPC, TP	included in staff recommendations
Repair/replace sidewalks on Carroll Ave between Philadelphia and Bridge		SHA, TP	
Concern about impact to wooded area from construction, staging. Concerns include noise, pollution, light		SHA	
Bike sharrows and "bikes may use full lane" signs along entire detour route		SHA, MNCPPC, TP	
Temporary Pedestrian Bridge - 8 foot minimum (now 5 to 8)		SHA	