

# Memo

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TO: Public Works Committee  
FROM: Ed Andrews, Public Works Director  
DATE: August 30, 2018  
SUBJECT: South Main Street Repairs – Storm Sewer Addition

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At the August 20, 2018 Finance & Personnel Committee meeting, improvements to the curb and sidewalk from Burton to the Danforth alley were discussed. These repairs are within the TIF District and the committee was supportive of that consideration. Inclusion of new storm sewer was also discussed, but it was felt that the Public Works Committee would need additional time to review that consideration.

Review was undertaken by Staff and Hutchison Engineering. The Square is currently not served by storm sewer and relies on a series of grates across the radius islands to help direct surface flow to inlets approximately 1 block away in all directions.



Findings are that the current arrangement does not meet the current guidelines as prescribed by the IDOT Drainage Manual: 8-201 Pavement Encroachment.

- Sections with one lane each direction - allow a maximum encroachment of 4 ft. EXCEPTION: When the surface width (face to face) is less than 30 ft, allow a maximum encroachment of 3 ft. **Since the NB lane is only 11' with a B6.12 CC&G, 3' is the maximum encroachment.**
- The maximum depth of flow shall be limited to 0.30 ft, regardless of computed encroachment.

- Spacing between inlets shall not exceed 250 ft.

An additional inlet across from Burton and one near the Danforth Alley would meet current guidelines and provide an opportunity to help provide for a sump collection system to buildings around the Square.

Cost for this consideration are as follows:

Storm Sewer Estimate					
G-1 Inlet	2	EA	\$ 3,500	\$	7,000
Class D Patch - 8"	13.9	SY	\$ 150	\$	2,083
SS - TY 1 12" Dia	58	LF	\$ 35	\$	2,030
SS - TY 1 15" Dia	240	LF	\$ 50	\$	12,000
Flowable Fill	99	CY	\$ 50	\$	4,967
				\$	28,080

cc: File



PLAN	SURVEYED	DATE
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
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	NO.	

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