

CITY OF HIGH POINT

AGENDA ITEM



Hillcrest Place / N. Main Street Signal Installation Cost Presentation

From: Greg Venable, Transportation Director

Meeting Date: June 7, 2023

Public Hearing: N/A

Advertising Date: N/A

Advertised By: N/A

Attachments:

PURPOSE:

Presentation on costs associated with the installation of a new traffic signal at the intersection of Hillcrest Place and N. Main Street (Brown Truck Brewery).

BACKGROUND:

The City of High Point has contracted with Kimley Horn and Associates to study N. Main Street from Lexington Avenue to Church Street to provide recommendations for pedestrian safety improvements, streetscape improvements, speed reduction strategies, and complete street concepts. The study will be completed in late 2023. At the May 3rd Prosperity and Livability Committee Meeting, staff gave a presentation on possible interim safety treatments that could be installed in the location of the current crosswalk at Brown Truck Brewery until the more comprehensive study is complete. One of the identified potential future considerations discussed was a full traffic signal at the Hillcrest Place / N. Main Street intersection. The Committee requested more detail on the cost associated with the installation of a new traffic signal at Hillcrest Place.

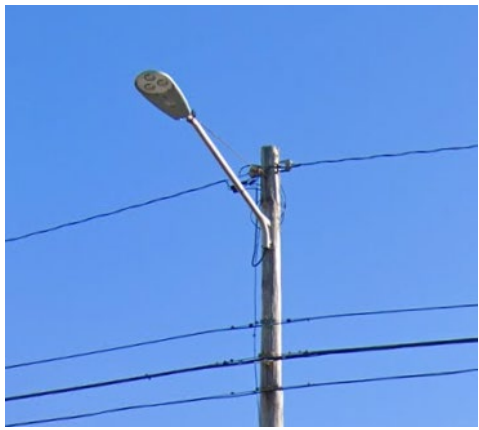
RECOMMENDATION / ACTION REQUESTED:

Direction from Committee on how to proceed.

Summary from the May 3, 2023, Prosperity and Livability Committee Meeting

- Kimley Horn and Associates provided a list of potential interim improvements.
- Staff recommended to the Committee which treatments we felt were the best options based on cost and constructability.
- Evaluate feasibility of additional alternatives as part of greater Main Street Corridor Study.





- Enhance roadway lighting at the crosswalk location
~\$5,000 **Staff Recommends**



- Enhance existing RRFB with double posted signs and flashers
~\$10,000 - \$25,000 **Staff Recommends**



- Concrete median refuge island with detectable warning surfaces **Staff Recommends**
~\$15,000

- Estimated Total - \$45,000
- Committee requested we investigate possible installation of either a **H**igh Intensity **A**ctivated Cross**W**alk**K** (HAWK) or a full signalized intersection.



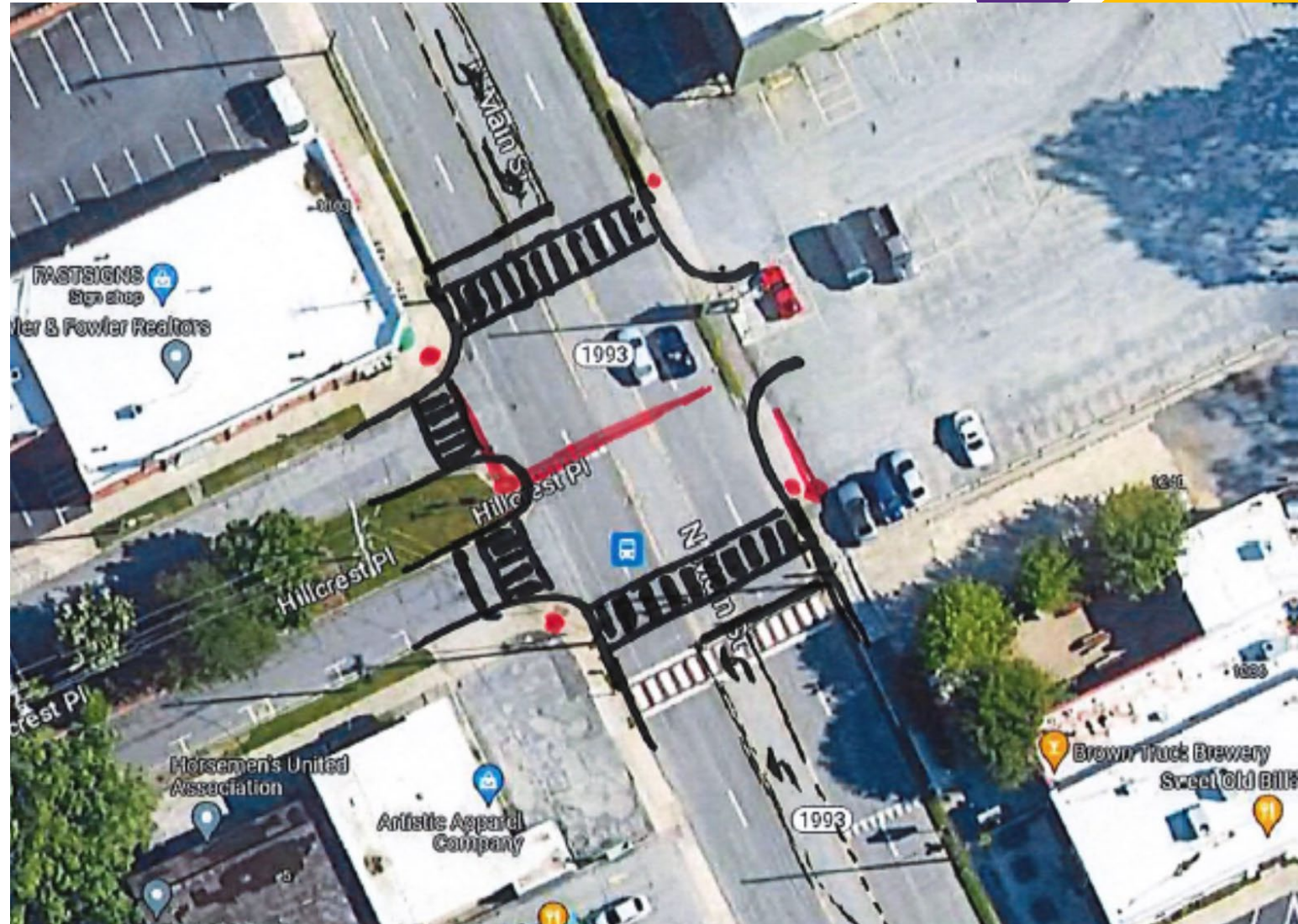
Hillcrest Court / N. Main Street HAWK Signal

- HAWK Signal will not be approved by NCDOT
 - Too close to Hillcrest Place intersection
 - Hillcrest Place right turning traffic/pedestrian conflicts
 - Hillcrest Place would need to be closed

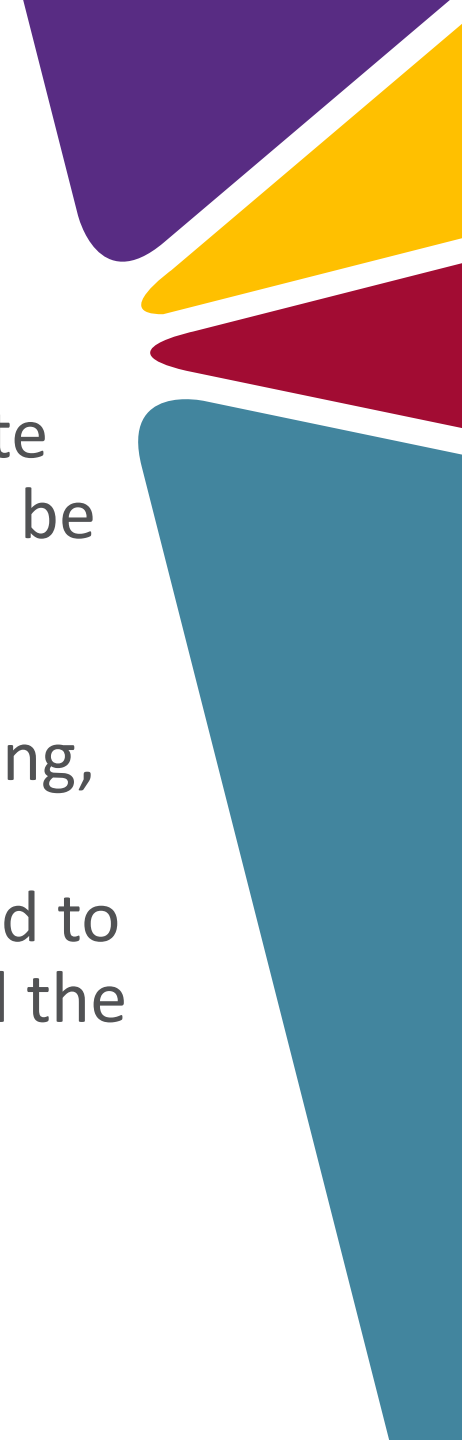


Hillcrest Court / N. Main Street Signal

- New signal must be approved by NCDOT
- Require modification/removal of the Brown Truck driveways.
- The intersection would need to be milled and repaved.
- Estimated completion is 9-10 months if started today. The Main Street Study will be completed about the same time



Hillcrest Court / N. Main Street Signal Installation Line-Item Costs



Item	Cost
Survey	\$ 1,000.00
Driveway closure/modification	\$ 15,000.00
Install HCR (2)	\$ 5,000.00
Remove HCR (2)	\$ 5,000.00
Utility relocates/pole additions	\$ 10,000.00
Signal plan (on call engineer)	\$ 10,000.00
Signal construction (span wire)(by city staff)	\$ 80,000.00
Mill and pave intersection and portion of Brown Truck parking lot	\$ 65,000.00
New crosswalks (Paveway)	\$ 26,000.00
New intersection pavement markings	\$ 10,000.00
Temporary construction easement	\$ 10,000.00
Total	\$ 260,700.00
These costs would be added to the above total if needed:	
Item	
Engineering plans/specs for construction (by on call engineer)	\$ 40,000.00
If outside contractor is needed to install signal	\$ 90,000.00
Total	\$ 429,770.00

The current estimate for this work would be approximately \$261,000.

If outside engineering, and an outside contractor is needed to construct the signal the cost could be approximately \$430,000.

Questions?

