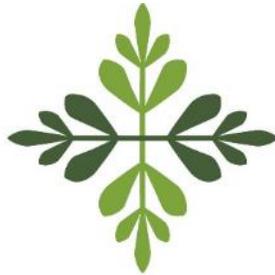


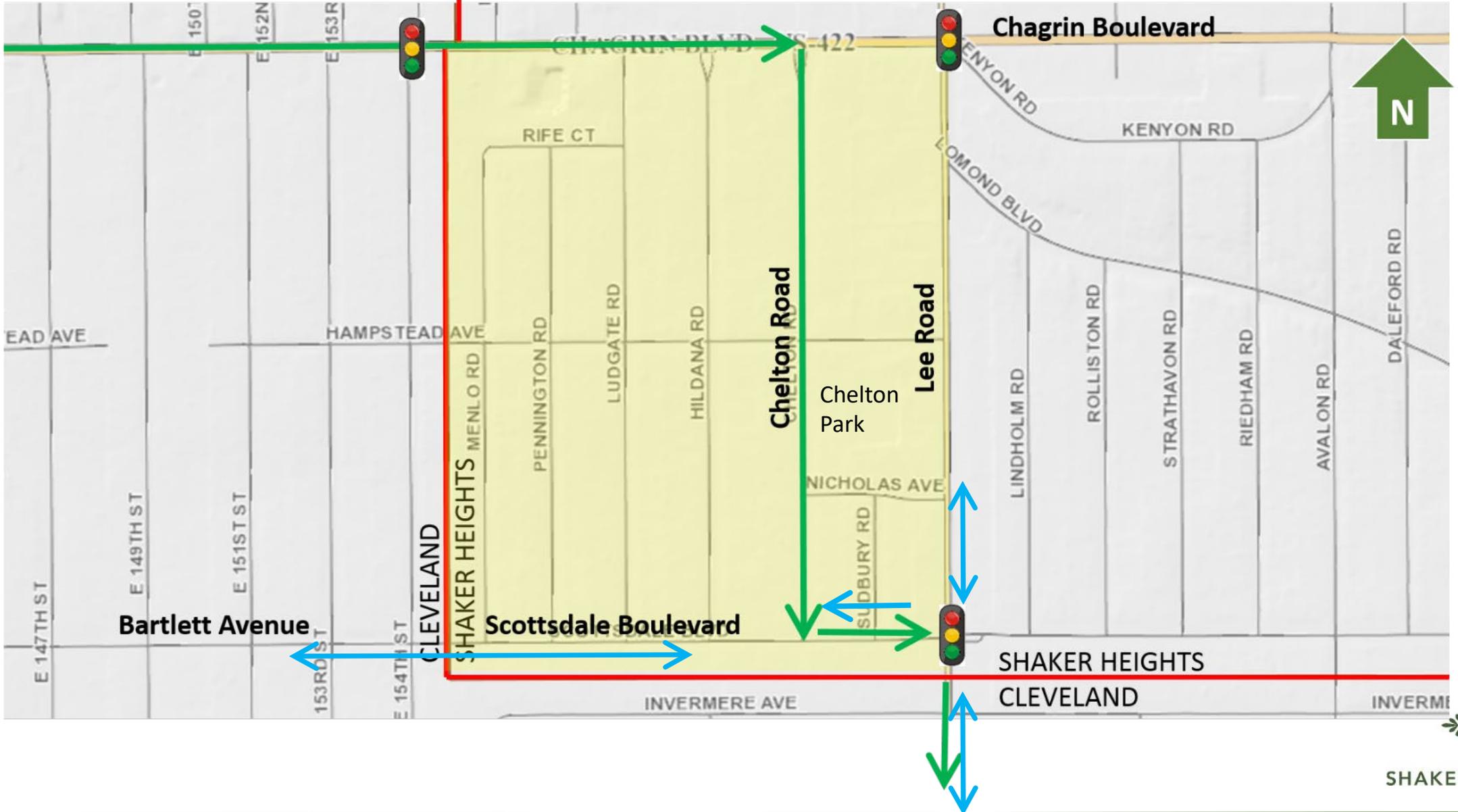
March 3, 2022

MORELAND NEIGHBORHOOD TRAFFIC CALMING



SHAKER HEIGHTS

Existing Conditions



City Traffic Count Data

- Chelton
 - 49% of vehicles violated the speed limit
 - Hourly maximum speeds ranged from 32 to 49 MPH
 - 287 average vehicles northbound; 621 avg southbound
- Scottsdale
 - 42% of vehicles violated the speed limit
 - Hourly maximum speeds ranged from 35 to 60 MPH
 - 1490 average vehicles westbound; 2359 eastbound



What is traffic calming?

Traffic calming is the use of interventions (traffic calming measures) that provide the following:

- Reduce cut-through traffic
- Slow vehicle speeds
- Improve pedestrian safety



Neighborhood Walks & Traffic Calming Demonstration



Neighborhood Meeting #1

- Zoom meeting on January 31, 2022
- Presented 11 traffic calming options
- Polled attendees during the meeting to gather input on preferred options; an online option was available for a week following the meeting



January 31 Meeting & Online Survey Results

Which traffic calming options presented do you think would relieve traffic concerns and improve quality of life in the neighborhood? Choose three.	
Tree Lawn Trees	11
Bump Outs/Curb Extensions (road narrowing on one or both sides of road)	10
Chicanes (offset bump outs that create a curve in the road)	7
Mini-Circle (small island in the middle of an intersection)	6
Gateway/Public Art	5
Decorative Crosswalk	4
Raised Crosswalk (crosswalk that also acts as a speed bump)	4
Speed Tables (longer speed bumps)	3
Choker (short, more severe road narrowing -- only one car can pass at a time)	2
Bollards/Traffic Delineators (vertical bollards that narrow the roadway)	1

Local Traffic Calming Examples



Bump Out
Scottsdale Boulevard, Shaker Heights
Between Lee Road and E. 154th Street



Decorative Crosswalk
Tuttle Road, Shaker Heights
Van Aken District

Local Traffic Calming Examples



Choker
Avalon Road, Shaker Heights
Between Van Aken Blvd and Fernway Rd



Choker
McCann Street, Warrensville Heights
Between Green Rd and Walford Rd

Local Traffic Calming Examples



Chicane Delineator
Woodward Avenue, Lakewood
Between Detroit Avenue and Madison Avenue



Chicane
Woodward Avenue, Lakewood
Between Detroit Avenue and Madison Avenue

Local Traffic Calming Examples



Speed Table
Marlowe Avenue, Lakewood
Between Franklin Blvd and Madison Ave

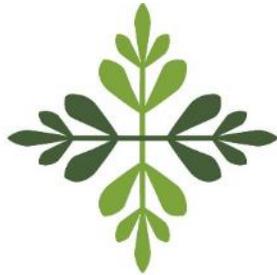
Funding Breakdown

Green Infrastructure Grant	\$221,389
Tree Planting Grant	\$ 30,000
City Traffic Calming Funds	\$ 85,000
City Scottsdale Resurfacing Funds	\$202,000
Cuyahoga County Grant (Tentative)	\$ 50,000
AARP Grant (Tentative)	\$ 20,000
TOTAL:	\$608,389



March 3, 2022

PRELIMINARY TRAFFIC CALMING OPTIONS

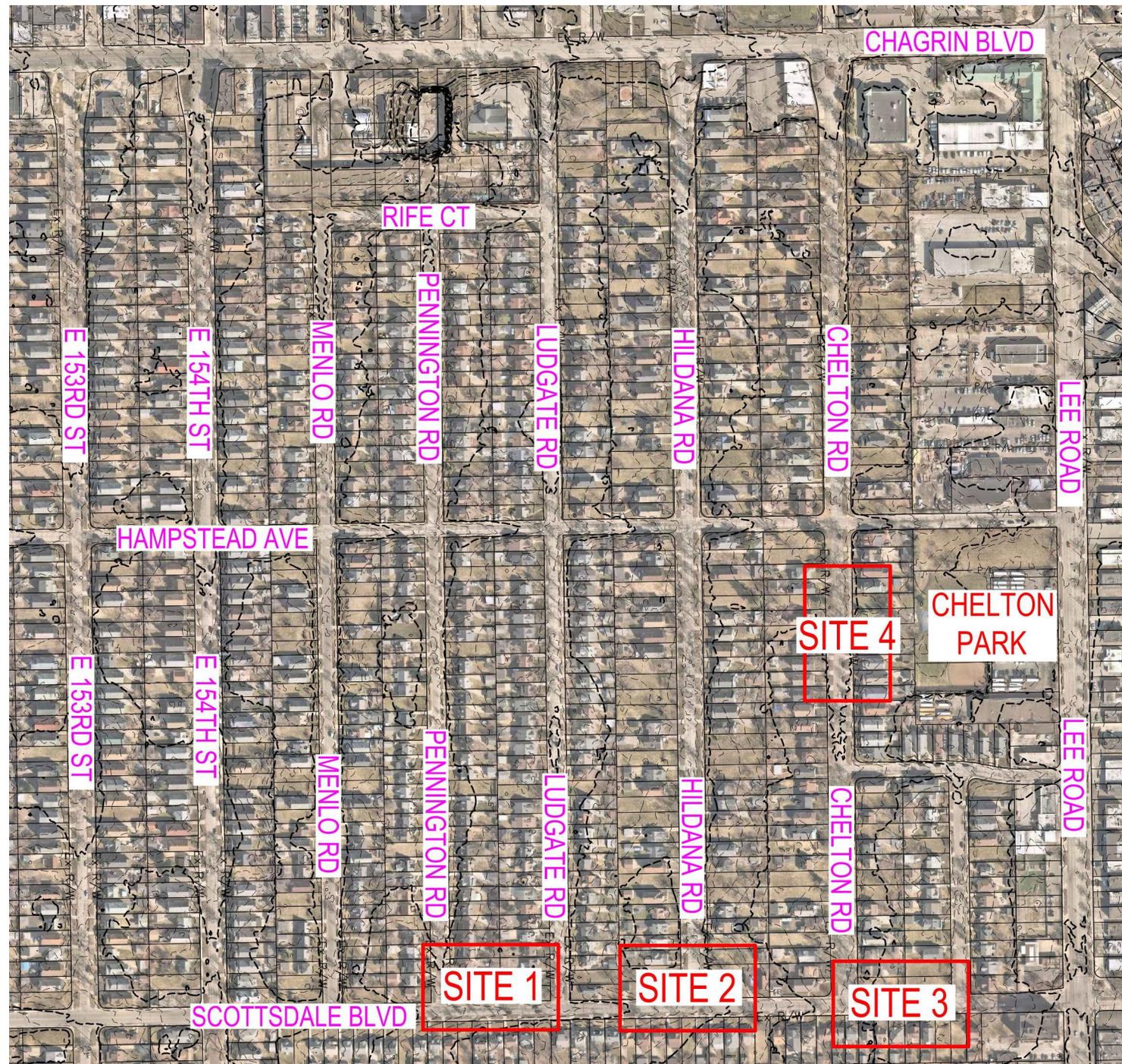


SHAKER HEIGHTS

Neighborhood Map

- 4 Potential Sites →
- From site 1 to 2: 650 ft.
- From site 2 to 3: 650 ft.
- From site 3 to Lee: 310 ft.
- From site 4 to Scottsdale: 970 ft.
- From site 4 to Hampstead: 260ft.

Must include Green
Infrastructure (per grant)



Site 1: Scottsdale at Pennington

- Choker/Bump Out
- Green Infrastructure Bump Out (north)
- Landscape Bump Out (south)
- Trees



SOUTHERN MORELAND TRAFFIC CALMING
SITE 1

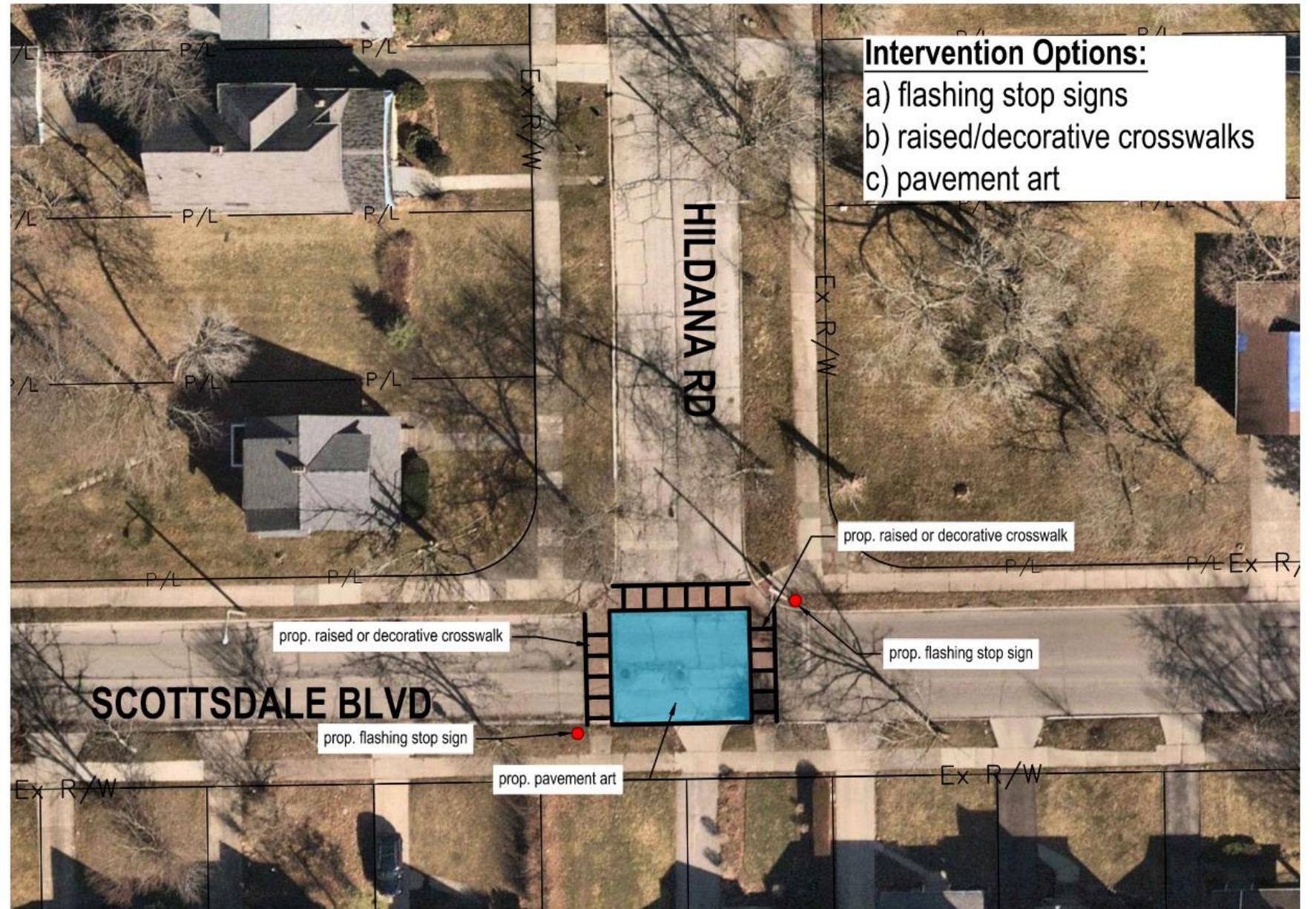
LEGEND

 BIORETENTION AREA	 EXISTING STORM MANHOLE	 PROPOSED OVERFLOW STRUCTURE
 TREE LAWN BUMP OUT AREA	 EXISTING CATCH BASIN	 PROPOSED TREE

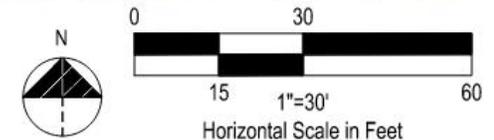
0 15 30 60
1"=30'
Horizontal Scale in Feet

Site 2: Scottsdale at Hildana

- No Green Infrastructure
- Options here:
 - Flashing stop signs
 - Raised or decorative crosswalks
 - Pavement art



SOUTHERN MORELAND TRAFFIC CALMING
SITE 2



Site 3: Scottsdale at Sudbury

- Choker/Bump Out
- Green Infrastructure Bump Out (north)
- Landscape Bump Out (south)
- Trees



SOUTHERN MORELAND TRAFFIC CALMING
SITE 3

LEGEND

- BIORETENTION AREA
STORAGE AREA = 840 SQ. FT.
 - TREE LAWN BUMP OUT AREA
 - EXISTING STORM MANHOLE
 - EXISTING CATCH BASIN
 - PROPOSED OVERFLOW STRUCTURE
 - PROPOSED TREE
- 0 15 30 60
 1"=30'
 Horizontal Scale in Feet

Site 4: Chelton Park

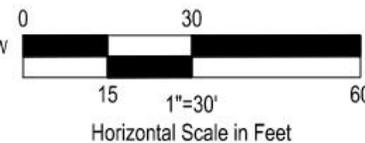
- Chicane
- Green Infrastructure Bump Out (east)
- Landscape Bump Out (west)
- Crosswalk
- Trees



SOUTHERN MORELAND TRAFFIC CALMING
SITE 4

LEGEND

- | | | |
|---|--|---|
|  BIORETENTION AREA |  EXISTING STORM MANHOLE |  PROPOSED OVERFLOW STRUCTURE |
|  TREE LAWN BUMP OUT AREA |  EXISTING CATCH BASIN |  PROPOSED TREE |



Next Steps

- Meeting recording will be posted on the project website. An online poll to collect additional input will be available through March 13.
- Review all opinions and preferences to finalize the traffic calming design and locations
- Construction is anticipated to start in the summer and be complete by the end of the year
- Visit shakeronline.com/morelandtraffic to stay up-to-date.
- Contact us if you have any questions or additional thoughts:
 - cameron.roberts@shakeronline.com or 216-491-1433

