



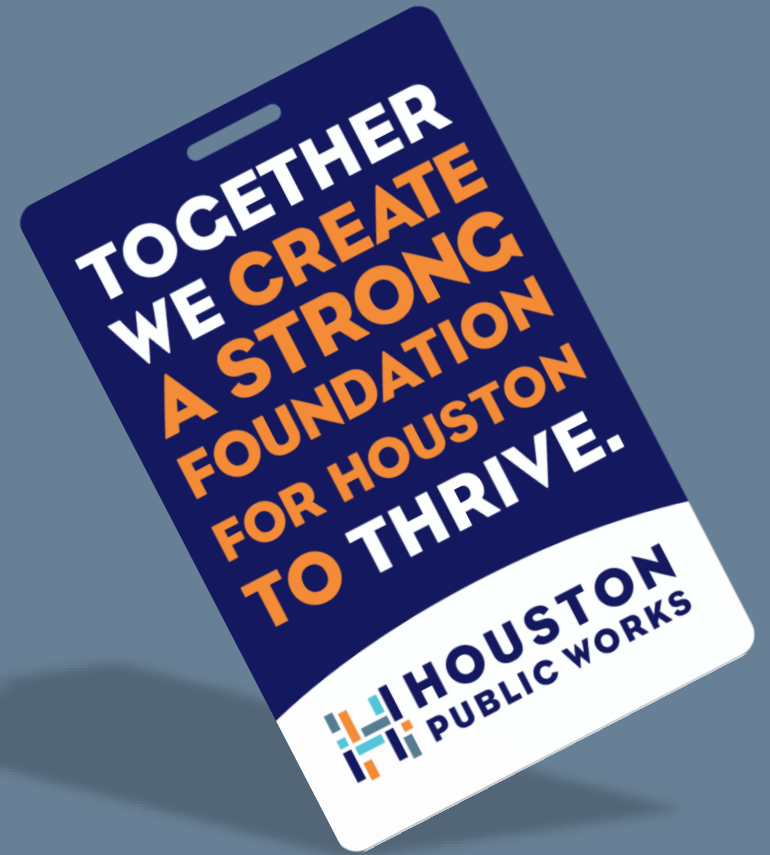
SCHOOL SPEED ZONES

JANICE LAKEY
COMMUNITY OUTREACH COORDINATOR
TRANSPORTATION & DRAINAGE
OPERATIONS



PURPOSE

together we create a strong foundation
for Houston to thrive



5 TO THRIVE VALUES

integrity | teamwork | ownership | communication | respect

SCHOOL SPEED ZONES

overview

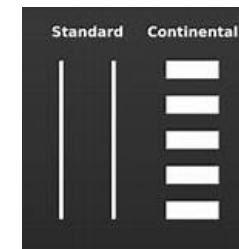
- **562 schools** comprised of 12 school districts and 165 private schools
- **1700 school speed zones** with
- 7000 reduced speed limit signs (cost 500 per sign)
 - 1400 flashing school beacons (cost 10,000 per sign)
- the roadway speed limit is reduced to 20mph during school zone times
 - begin 45 minutes before intake and end 15 minutes after intake
 - begin 15 minutes before dismissal and end 30 minutes after dismissal
- school zones are updated every 12-18 months and must be approved by City Council
- enforceable by law enforcement (HPD, School District Police, etc.)

School Speed
Limit Assembly

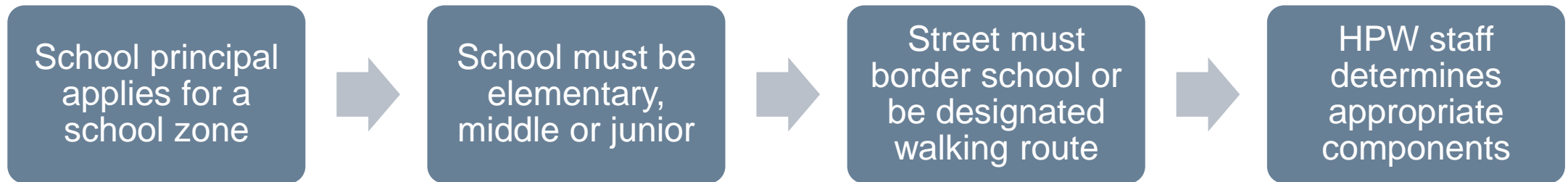


components

- 20mph School Speed Limit Assembly (sign)
OR
- 20mph Flashing Solar Smart Beacon
 - *ONLY on thoroughfares, collectors, and streets with more than 5000 vehicles/day*
 - programmed, monitored and updated remotely
 - early release days, special events, holidays & other exceptions are programmed
- Additionally:
 - school crossing signs and crosswalks
 - continental markings (non signalized intersections)
 - standard markings (signalized intersection)
 - other school related (signs are **customized** to schools needs)



PROCESS



**ALL INSTALLATIONS MUST COMPLY WITH
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)**

FLASHING BEACON VS. STATIC SIGN

thoroughfares

- higher speed limits & wider streets
- longer reaction time for drivers
- signs need enhance visibility



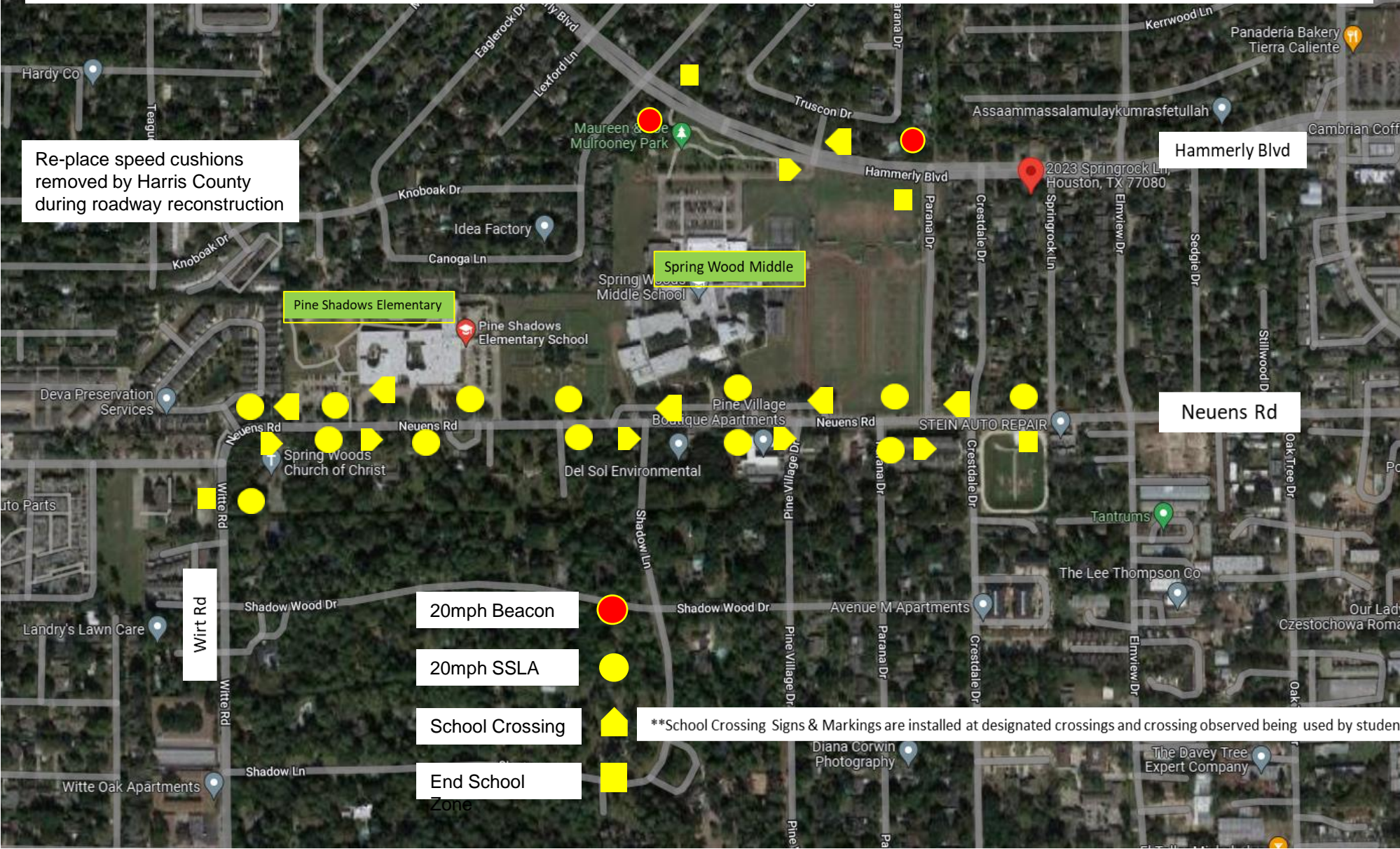
minor streets

- lower speed limit and traffic volumes
- primarily school traffic
- if standard treatment and other speed reduction devices are not effective, beacon can be considered



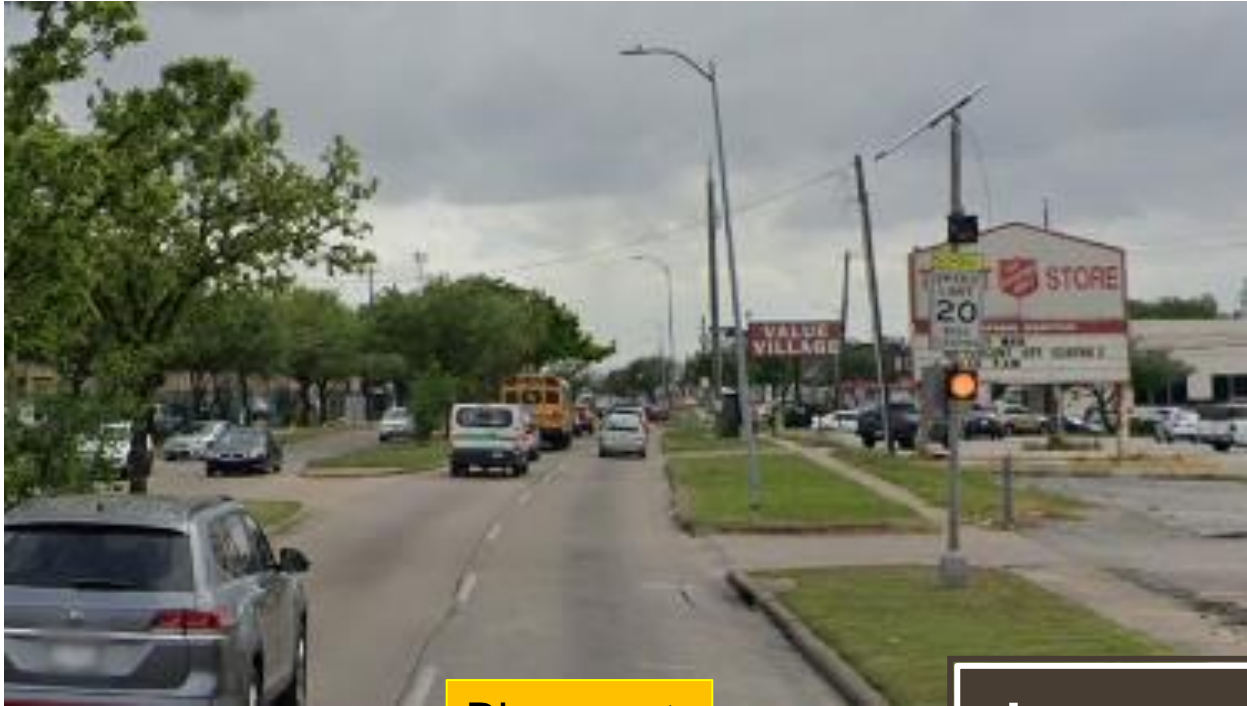
Neuens Road is currently maintained by Harris County
 City of Houston and Harris County Improvement Collaboration for existing school zone on Neuens Road
 * Neuens Road – purposed school zone enhancements

Re-place speed cushions removed by Harris County during roadway reconstruction

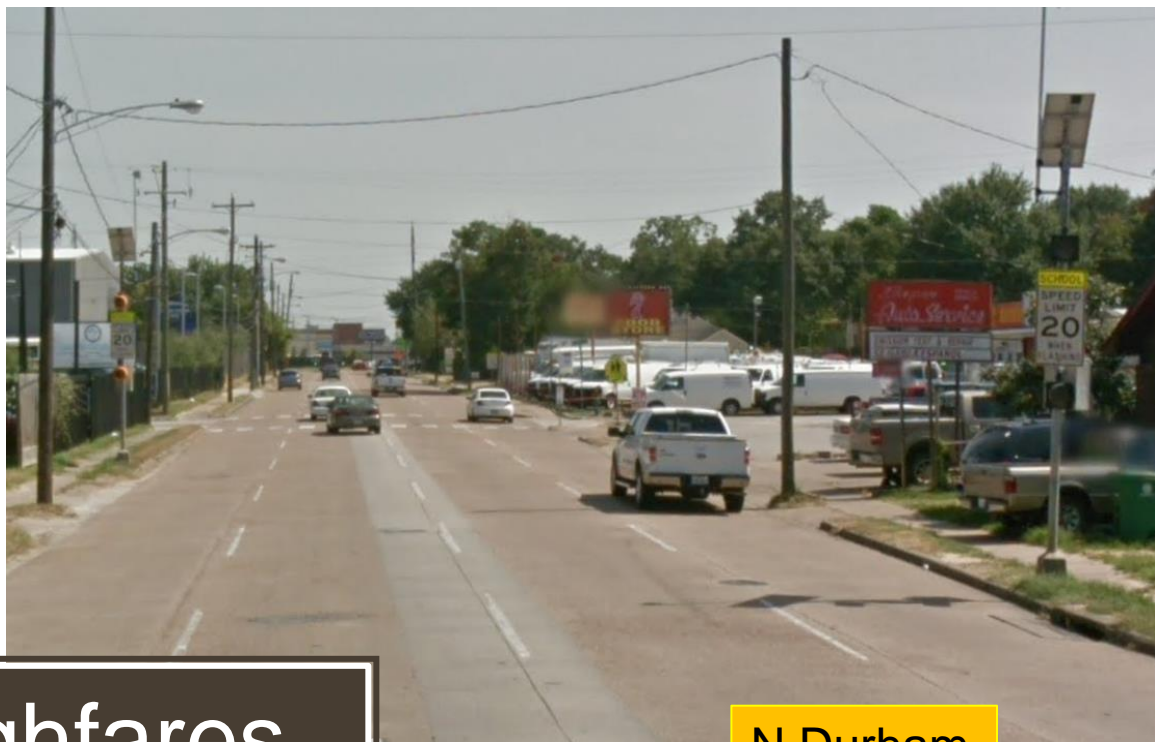


- 20mph Beacon
- 20mph SSLA
- School Crossing
- End School

**School Crossing Signs & Markings are installed at designated crossings and crossing observed being used by students

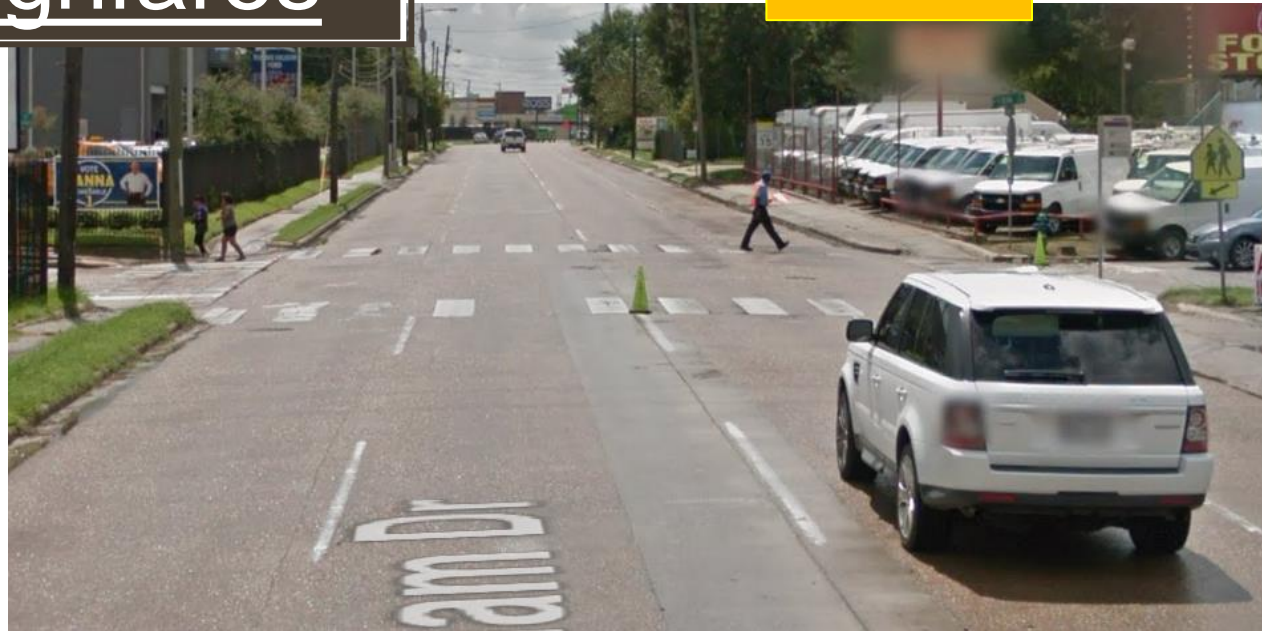
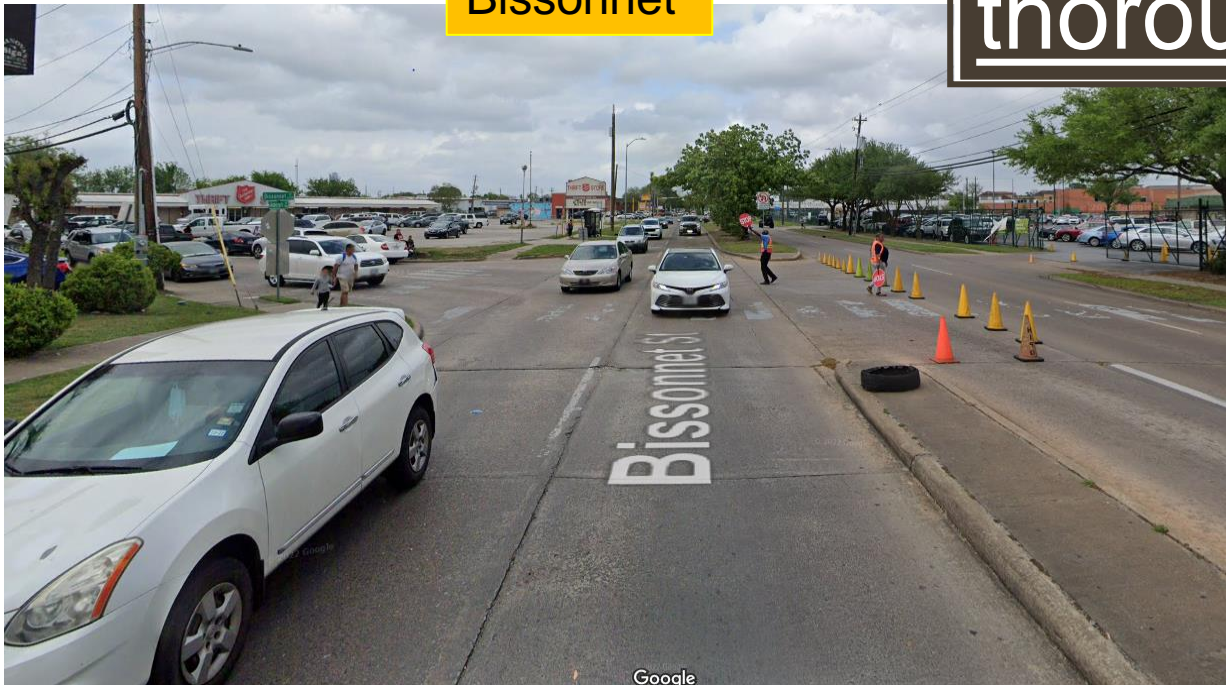


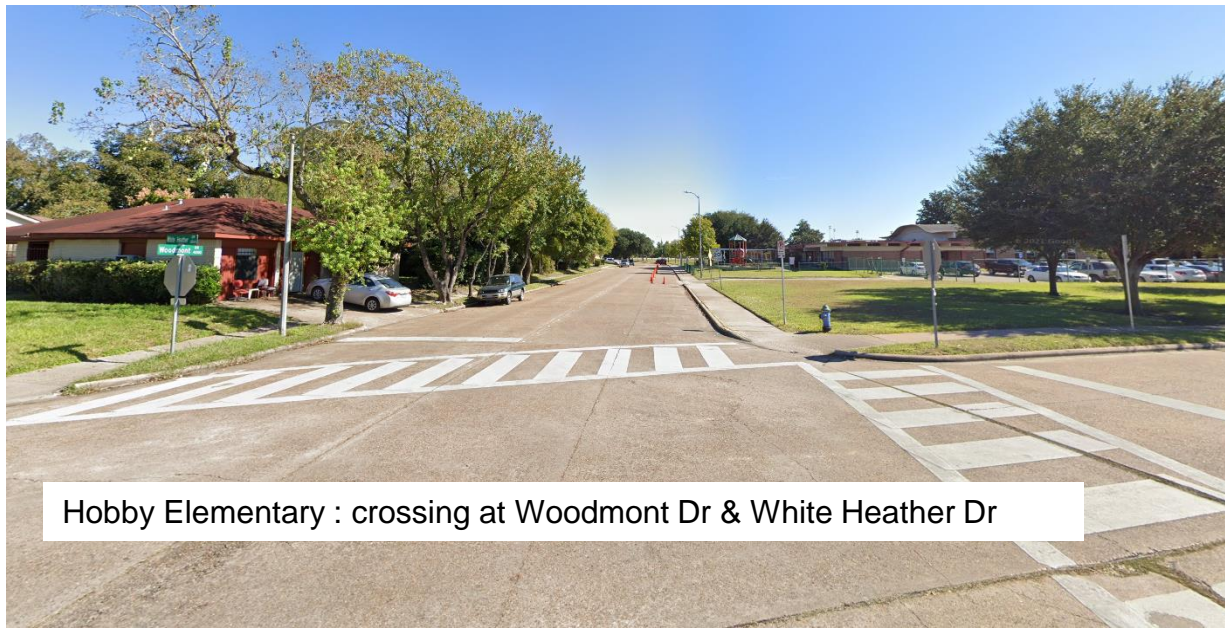
Bissonnet



N Durham

thoroughfares





Hobby Elementary : crossing at Woodmont Dr & White Heather Dr



Treasure Forest Elementary : crossing at Jacqueline Dr & Amelia Rd



Fonwood Elementary : mid-block crossing on Sterlingshire

minor streets



MAINTENANCE



Weeks / Months

Removal and replacement
timeframe



Days

FREQUENTLY ASKED QUESTIONS

Who pays for school zones signage

- School zone signage is funded by Houston Public Works (HPW). No private or public school incurs a cost for school zone signage.

Are school zones installed for public and private schools

- HPW installs school zones at public and private elementary, middle and junior high schools located within the City of Houston city limits.

Can a party other than HPW pay for school zone signage

- HPW will conduct investigation on reported school zone concerns or needs and address the safety issues. Cost for school zone signage are incurred by HPW.

Can school zone concerns only be reported by the school's principal

- Anyone can report a school zone concerns. HPW team will investigate the location and contact the school's principal for collaboration as needed.

FREQUENTLY ASKED QUESTIONS

Are school zones installed for signalized intersection

- Traffic signals provides a higher means of protection. School zones are not warranted at signalized intersection with pedestrian crossing signals.

How long does it take to get a school zone installed

- An investigation will be conducted within 2 to 3 days after HPW receives a request.
 - Investigations take place when schools are in session and will be conducted during the school's intake and dismissal time.
- Request submitted during non-school session are placed in pending until school resumes.
- If a school zone is warranted, a work order will be submitted to install the zone.
 - Sign shop installs school zone signage within 14 days upon receipt of work order, except flashing beacons.
 - Flashing beacons may take 2 to 3 months for installation (longer in cases of equipment failure, shortage, etc.)

Note: School zones are installed for student crossing activity. Installation of reduce school speed zone is not warranted if there are no students or potential of students crossing the roadways.

thank you!



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NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM

KHANG NGUYEN
ASSISTANT DIRECTOR

**TRANSPORTATION & DRAINAGE
OPERATIONS**



OBJECTIVE

- overview of the Neighborhood Traffic Management Program
- application/project process
- project cost
- funding
- active projects
- project backlog

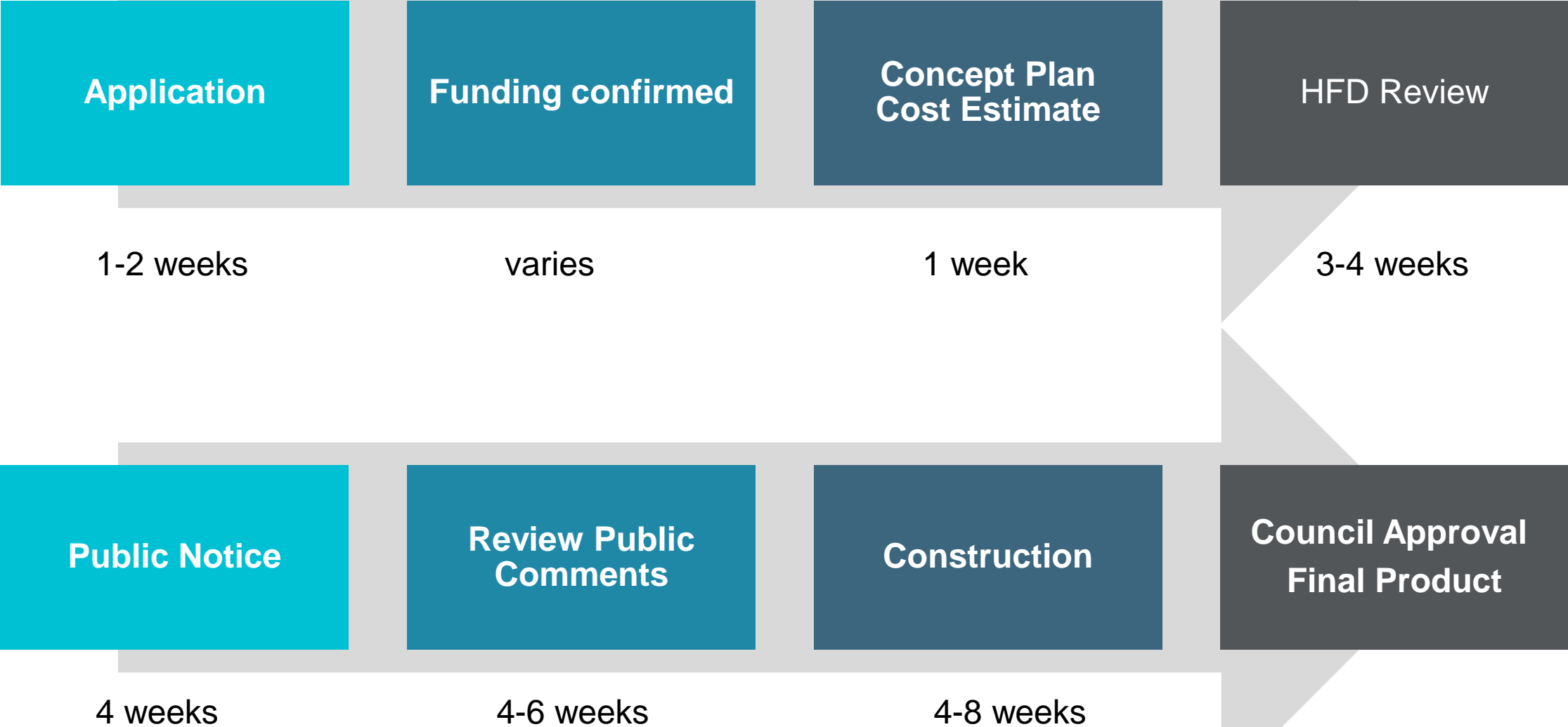
OVERVIEW

- **NTMP (Neighborhood Traffic Management Program)**
 - Volume Control – all traffic calming devices
 - Speed Control – speed cushion only
- **Volume Control**
 - at least 3 public meetings, 120-day trial period, before-after traffic studies
 - concept plan reviewed by PDD, HPD, HFD, Solid Waste
 - 2+ year process
- **Speed Control**
 - one public notice/public meeting, limited traffic review
 - concept plan reviewed by HFD
 - 4+ month process

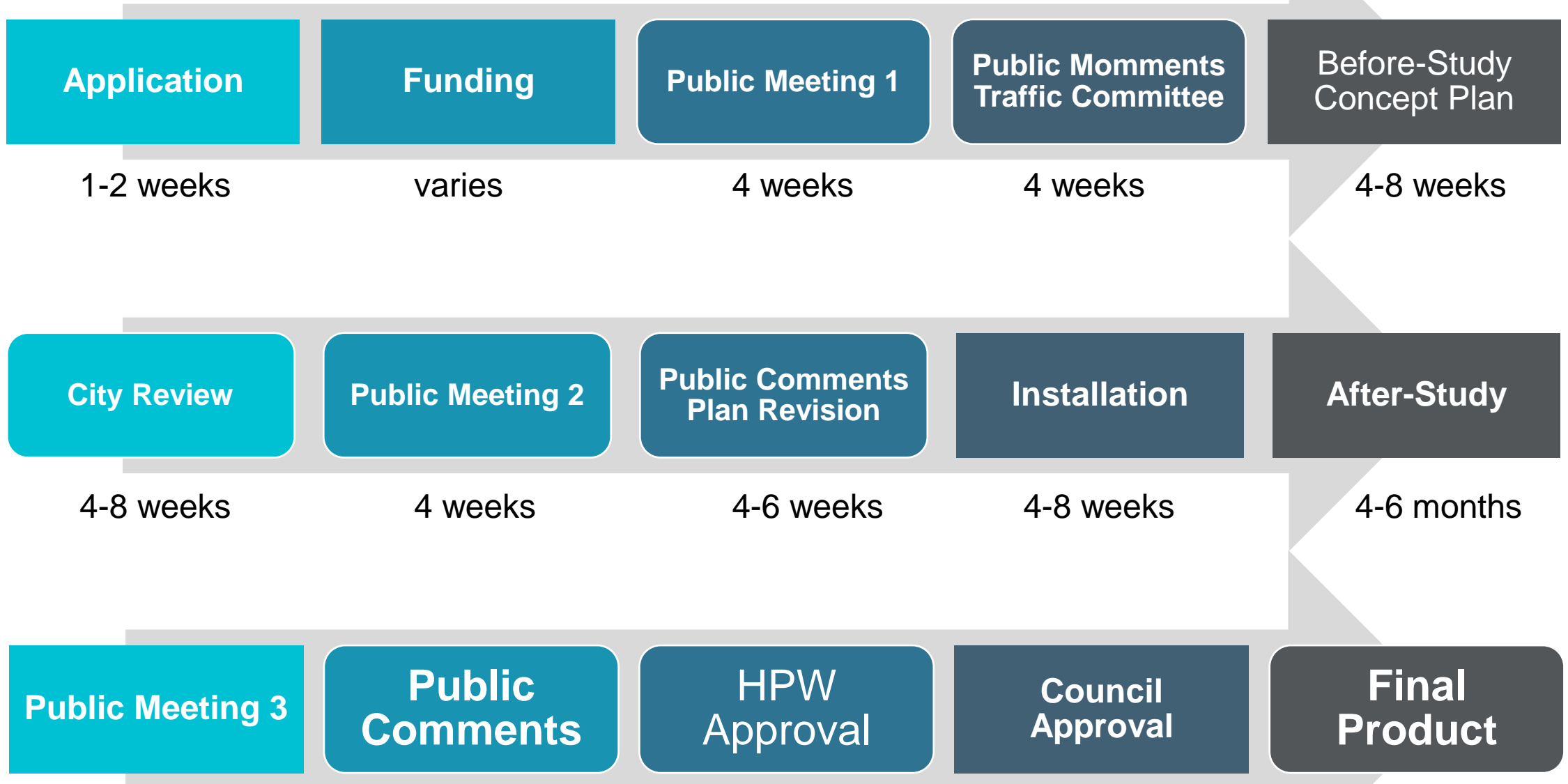
APPLICATION & PROJECT PROCESS

- review application
 - support (petition of signatures or letter from civic club)
 - project boundary
- assign project name & number
- place on waiting list until funding becomes available
- project development
 - concept plan
 - internal approvals
 - public input
 - Houston Public Works approval for installation
 - Council approval and project close-out

PROCESS - SPEED CONTROL



PROCESS - VOLUME CONTROL



EXAMPLES SPEED CONTROL

ASPHALT SPEED HUMP →



RUBBER SPEED CUSHION →



ASPHALT SPEED CUSHION →



EXAMPLES VOLUME CONTROL

PARTIAL STREET CLOSURE →



MINI CIRCLE →



← CHICANE

PROJECT COST – SPEED CONTROL

- average cost - \$5,000 per cushion
- average project cost - \$50,000 - \$70,000

FUNDING FOR INSTALLATION

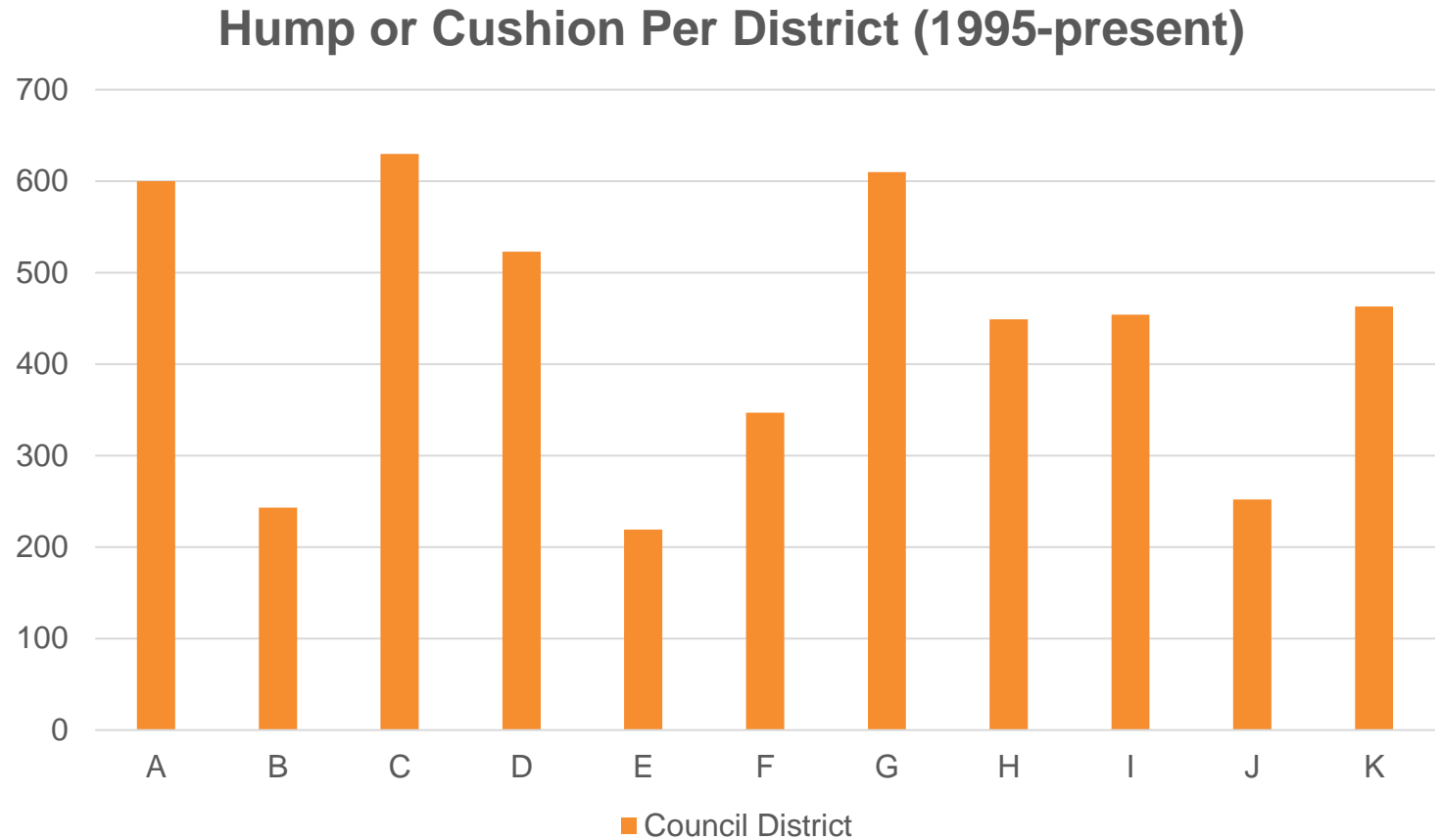
- Council District Service Funds
- private (from HOA, civic club, or developer)
 - residents/HOA: Briar Meadow, Meyerland
 - developer: Timbergrove Manor
 - CDSF/HOA cost share: Willow Meadows

FUNDING FOR MAINTENANCE

- need a constant funding source

SPEED HUMPS/CUSHIONS

Council District	Installed
A	600
B	243
C	630
D	523
E	219
F	347
G	610
H	449
I	454
J	252
K	463



Total - 4790



About 2000 cushions from CDSF

APPLICATIONS PROCESSED & ACCEPTED

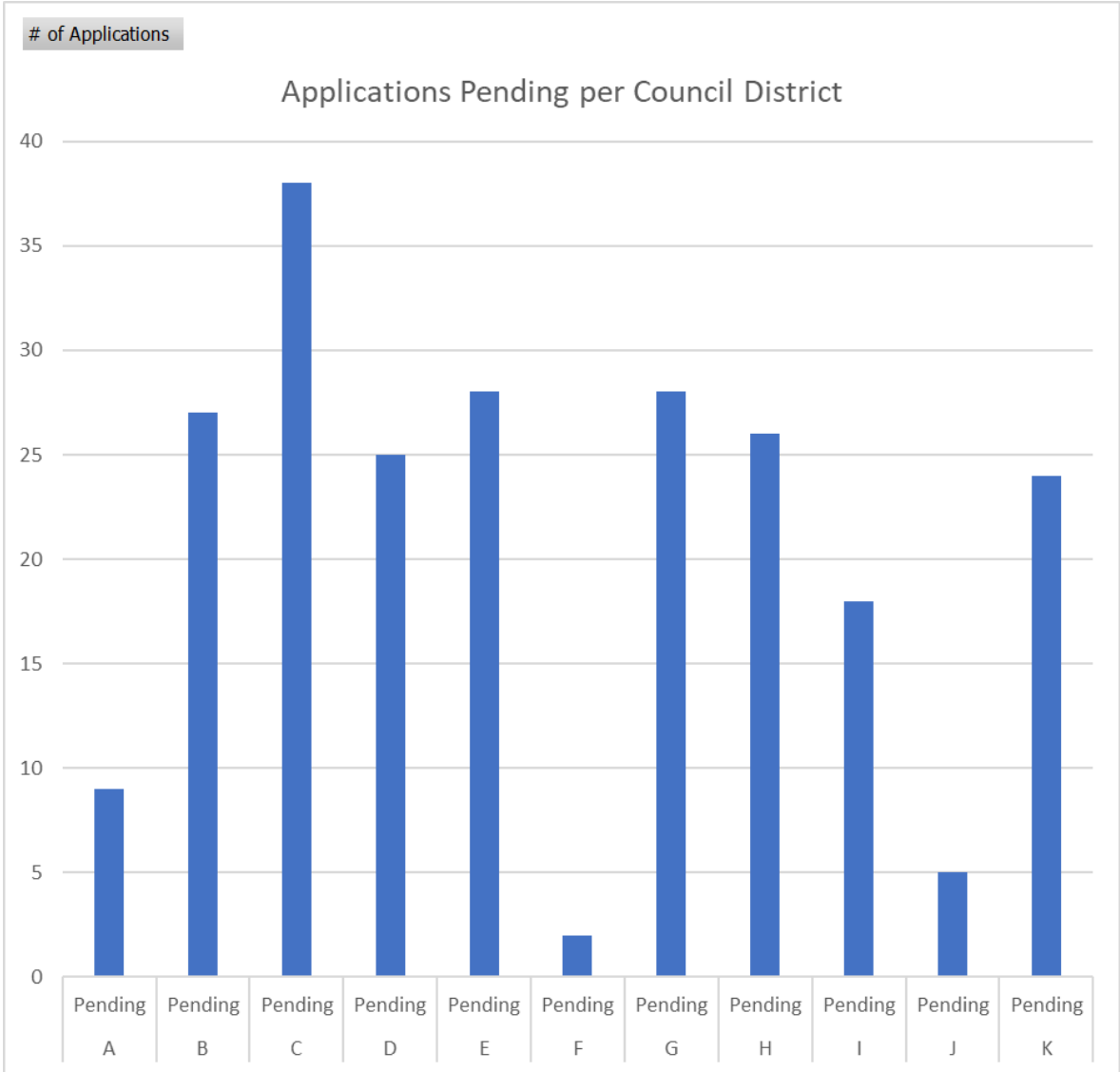
District	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
A	3	5	10	5	3	2	4	5	1	38
B	5	4	9	2	5	0	3	9	0	37
C	4	7	9	5	4	7	0	2	5	43
D	2	5	11	5	6	3	3	7	0	42
E	2	5	6	2	3	3	2	2	2	27
F	1	1	7	8	4	0	2	3	2	28
G	8	2	6	1	4	5	6	5	2	39
H	1	9	7	3	4	2	5	2	1	34
I	1	1	7	3	4	2	5	2	1	26
J	0	3	1	3	1	2	1	2	2	15
K	6	11	15	3	0	0	0	2	2	39
	33	53	88	40	38	26	31	41	18	368

COUNCIL DISTRICT SERVICE FUND PROJECTS

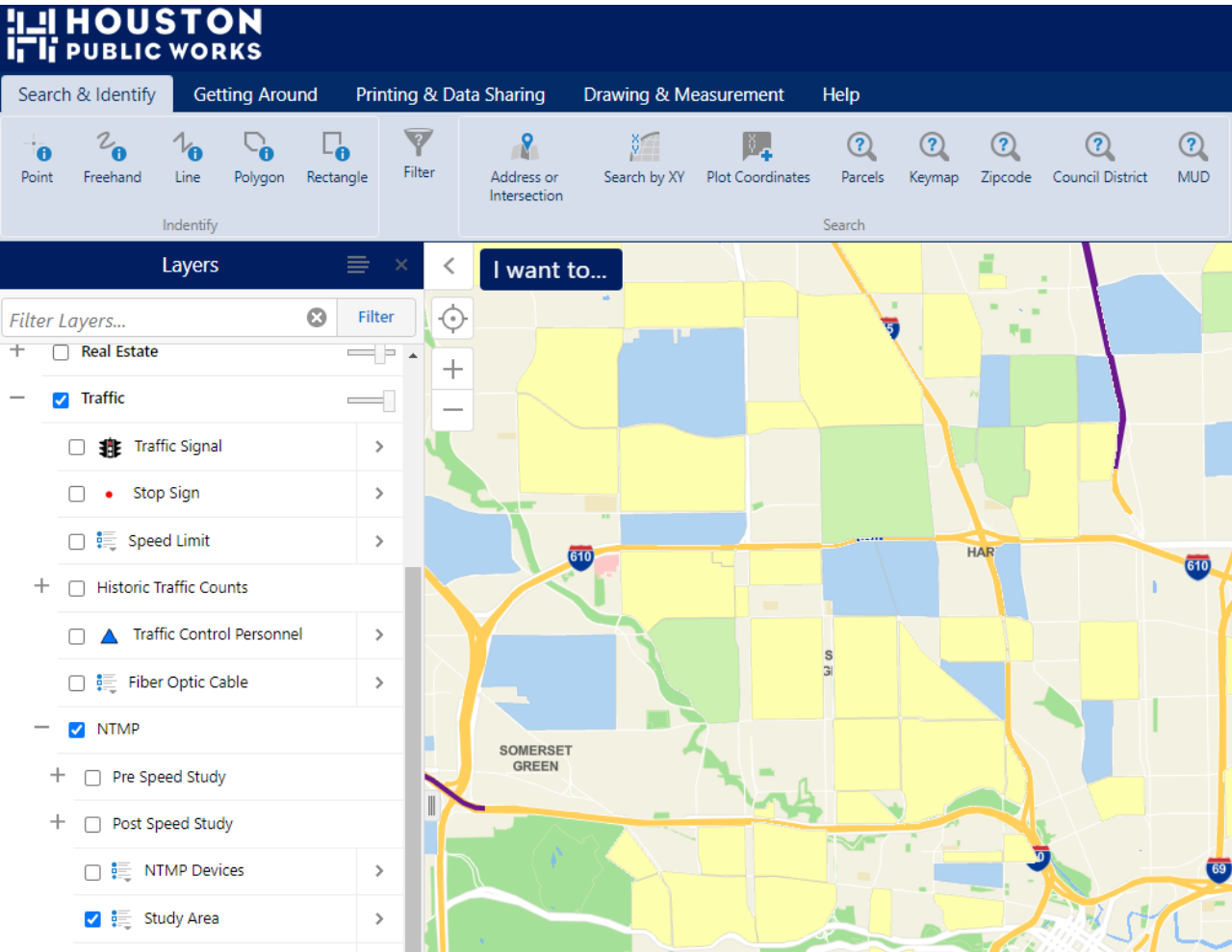
District	FY2017		FY18		FY19		FY20		FY21		FY22	
	Est.	Funded	Est.	Funded	Est.	Funded	Est.	Funded	Est.	Funded	Est.	Funded
A	6	5	5	5	1	1	10	10	5	4	3	0
B	0	0	1	0	0	0	0	0	10	2	1	8
C	0	0	0	0	2	1	1	0	0	0	7	1
D	5	4	4	4	3	3	4	3	4	3	5	1
E	0	0	0	0	0	0	2	2	1	1	0	0
F	8	7	5	4	2	2	3	3	1	1	4	2
G	6	3	5	3	4	0	4	2	4	4	1	1
H	1	1	3	2	6	5	1	1	6	6	12	8
I	0	0	5	2	0	0	9	9	3	0	7	0
J	3	3	1	1	1	1	3	3	0	0	4	1
K	4	4	7	5	0	0	3	2	0	0	1	1
Total	33	27	36	26	19	13	40	35	34	21	45	23
	\$2.1M		\$1.8M		\$1.0M		\$2.3M		\$0.8M		\$1.5M	

PROJECTS AWAITING FUNDING

District	Project
A	9
B	27
C	38
D	25
E	28
F	2
G	28
H	26
I	18
J	5
K	24



TRACKING PROJECTS

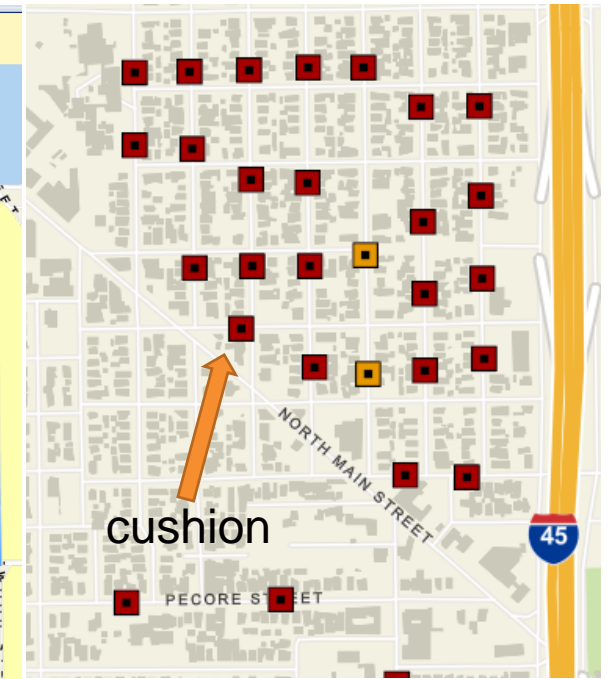
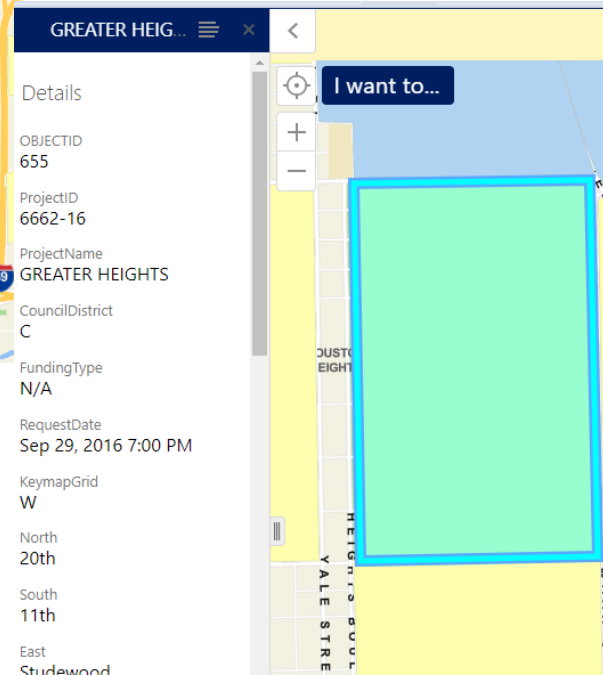


GeoLink

- project name & number
- location & status
- type of device

<https://geogimpsprod.houstontx.gov/Html5Viewer/index.html?viewer=geolink-public>

Project info



INPUT?

Suggestions for improvement?

- Changes to NTMP ordinance?
- Changes to process?

Question or request for information

- NTMP@houstontx.gov

City traffic engineer

- Khang Nguyen
- khang.nguyen@houstontx.gov; 832-395-3008

thank you!



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