

Health and Safety

Vision 2030 Update



Green Hill
Civic Association

Health and Safety Committee

Team Leader and Members:

Tony Flynn
Chip Reilly
Bob Tardiff
Maggie Manion



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Survey Data

- *Safety on the roads*
- *Calm cars/trucks on GHBR and Carpenter*
- *Visibility around intersections (follow-up conversations)*
- *Safe walking and bike riding*
- *Some beach/pond-related comments (mostly assigned to other groups)*



Scope of Work

In Scope

(Including but not limited to)

- Health and safety matters on roads, in homes, on beaches/ocean, and in recreation areas

Out of Scope

- Pond water quality
- Beach access
- Flood prevention



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Research

1. Overall, concluded that largest safety opportunity is education/awareness
2. Performed speed/sign studies on GHBR and Carpenter
3. ID/documentated obscured intersections/signs
4. Met with Town (DPW/Chief) to discuss/prioritize mitigation options to above
5. Placed friendly 25MPH reminders (2) on roads
6. Researched industry data on feedback signs
7. ID/documentated H&S matters for the home/ocean/beach/recreation areas
8. Investigated viability of AED at tennis courts
9. Researched evacuation guidelines at state/town level
10. Collected sign requests from other teams



Priority

Priority

1. Signs for all (8*): share road/pond/park/AED/courts/rec crossing
2. 25 MPH "Pledge" T-Shirts*
3. Provide Health & Safety Sheet for the home (laminated)*
4. Place GH trimming locations on SK trimming schedule
5. Continue speed study/solution(s) for Carpenter (with HA)
6. Place speed limit feedback signs (2) on GHBR*
7. Equip recreation area with AED (tennis courts)
8. Meet w/Town to review speeding/trimming situation/solutions



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* GHCA sponsored



Priority /Timing/Cost

Priority

Cost

Timing (Yr)

- | | | |
|---|------------------------------|------|
| 1. Signs for all (8*): share road/pond/park/AED/courts/rec crossing | \$2500 (design/make/install) | 2024 |
| 2. 25 MPH "Pledge" T-Shirts* | \$2000 | 2024 |
| 3. Provide Health & Safety Sheet for the home (laminated)* | \$600 | 2024 |
| 4. Place GH trimming locations on SK trimming schedule | \$0 | 2024 |
| 5. Continue speed study/solution(s) for Carpenter (with HA) | \$0 | 2024 |

\$5,100 Total 2024

- | | | |
|--|----------|-------|
| 6. Place speed limit feedback signs (2) on GHBR* | \$10,000 | 2025 |
| 7. Equip recreation area with AED (tennis courts) | \$2000 | 2025 |
| 8. Meet w/Town to review speeding/trimming situation/solutions | \$0 | 2025+ |

\$12,000 Total 2025

\$17,100 Total



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Questions / Feedback



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Back Up Information – Speed Study

SUMMARY		
Speed limit	25	
# Readings	66	
Average Speed	33	
# 10MPH+	31	47%
# 15MPH+	10	15%



Backup Information – Effectiveness of Speed Feedback Signs

- FHWA Study: "**Average reduction of speeders – 5/10/15/20 MPH = 14/29/34/28%...** these feedback signs (with radar to detect speeds) may also suggest to drivers that speeds are being monitored or enforcement is nearby... the reductions were maintained for more than 2 years, indicating drivers did not habituate to the dynamic signs."
- USDOT: "Across all types of vehicles and different installation locations, a clear majority of studies found significant reductions in speeds at the DSFSs when the DSFSs were activated... even small reductions in speed can make a big difference in traffic safety."
- GA Study: "62% reduction in drivers exceeding speed limits by more than five mph, indicating a sustained positive shift in driver behavior more than two years after installation."
- MA/RI interviews of 3 Police Chiefs: substantial and most effective measure.
- Advantage over speed bumps/tables: less noise for neighbors, more convenient for neighbors (all traffic must slow for bumps/tables), better for emergency vehicles, no additional signs/approval required.

<https://highways.dot.gov/public-roads/marchapril-2016/spotlighting-speed-feedback-signs>

<https://www.nhtsa.gov/book/countermeasures-that-work/speeding-and-speed-management/countermeasures/other-strategies-behavior-change/dynamic-speed#:~:text=A%20meta%20analysis%20of%20dynamic,et%20al.%2C%202021>

<https://www.trafficchoices.co.uk/somerset/traffic-schemes/speed-table.shtml>

https://flow.alltrafficsolutions.com/request-a-quote?utm_campaign=web-forms&utm_source=ats-website&utm_medium=direct&utm_content=products-page

Back Up Information – Sign Locations

25e = 25MPH existing

DS = Drive Safely existing

25f = 25MPH feedback proposed

SR = Share Road proposed

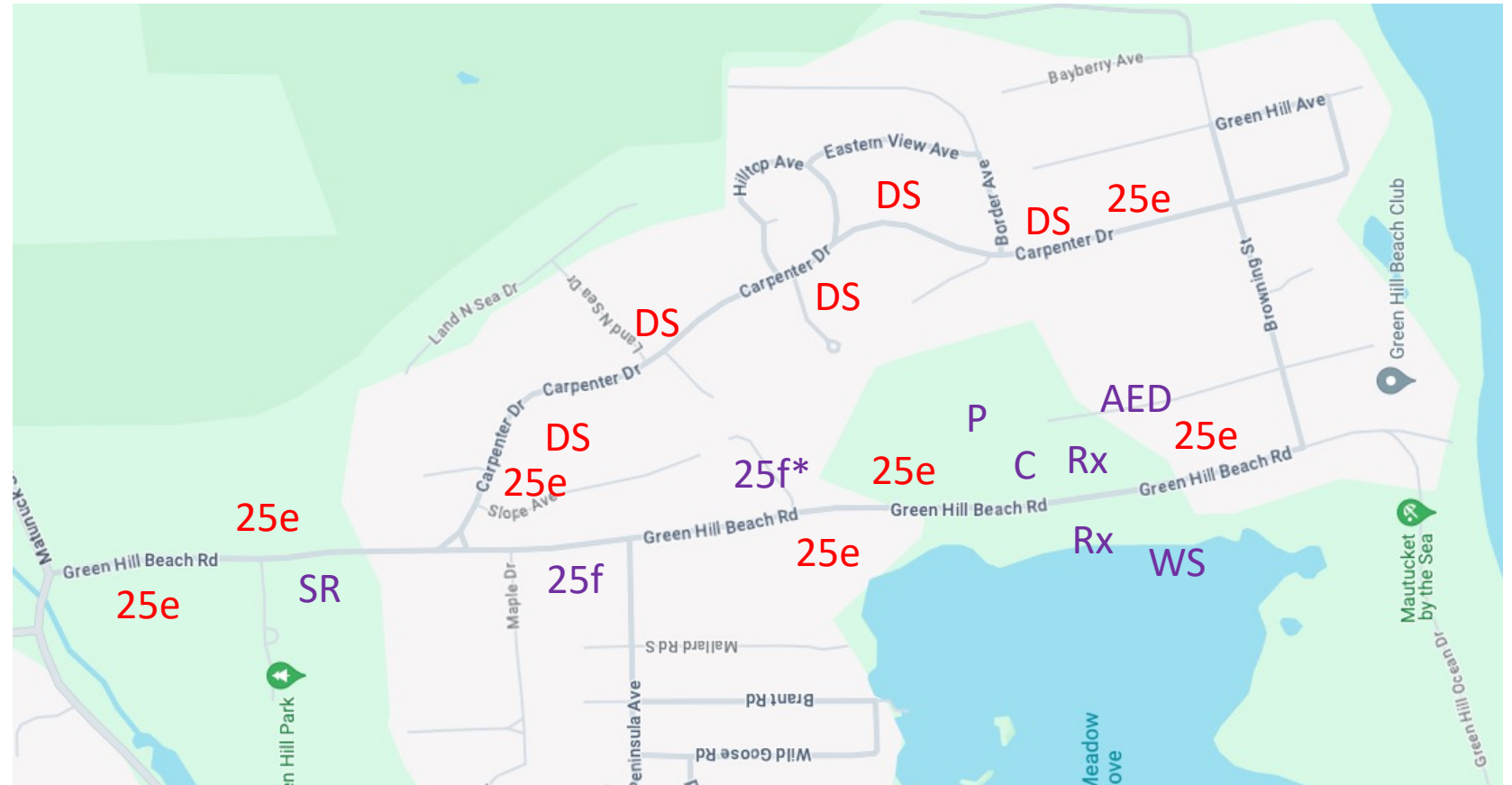
Rx = Rec crossing proposed

WS = Wear shoes proposed

AED = AED proposed

C = Courts proposed (2)

P = Park proposed



* replace existing?

Back Up Information – Sign Costs Estimates

	Location	Number	Wording	Size (hwxw, inches)	Color	Material	Support	Install	Total Cost (sign+support)	Sponsor
1	Courts	1	Green Hill Racquet Club Private No Beach Parking	12x24 or 16x24	TBD	Metal	Corner holes	By KC	100	KC
2	Court Fence	1	No play or use of the blower before 8am. Release tension on pickleball and tennis nets after play.	8x10 or 12x12	TBD	Metal	Corner holes	By KC	100	KC
3	Park	1	Park Hours of Use: 8:00am-Dusk	8x12	TBD	Metal	In ground	By Installer	100	MD
4	Pond	1	Please Wear Footware Into Pond	8x12	TBD	Metal	In ground	By Installer	100	MD
5	Rec Crossing	2	Slow. Recreation Crossing.	12x18	TBD	Metal	In ground	By Installer	400	MD
6	AED	1	AED Inside (w/image)	10x10	TBD	Metal	In ground	By Installer	50	TF
7	Share Road	1	Share Road (w/images)	18x24	TBD	Metal	In ground	By Installer	200	TF
	Costs									
	Sign								1050	
	Design								500	
	Install								1000	
	TOTAL Costs								2550	



Back Up Information – Trimming Priorities

GHBR/Carpenter

GHBR/Browning

Carpenter/Browning

Carpenter hedges

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Back Up Information – H&S Sheet Topics

- Wear Life Jackets
- Safe Swimming
- Sun Safety
- 25 MPH
- Share Road
- Secure Medicines/Drugs
- Evacuation Guide
- ...

