

Design Alternatives Decision Matrix

Ad Hoc Traffic and Roadside Committee

1-10-09; Rev. 1-21-09

Treatment / Site	Roadway Class 1997 VHB	Road Grade Considered Acceptable	Road Geometries Considered Acceptable	Cost Estimate	Signage, Hardware, Paint	Other Agency/ Committee Input Sought	Traffic Data <i>Volume</i> Daily Ave <i>Speeds</i> Ave/85%/Posted <i>Accidents</i>	Rationale
Crosswalk Improvements at Bedford Rd. & Rt. 2	Primary	Yes	Yes	\$5,000	Two signs and road paint	HDC, NPS, Planning, ConComm, Public Safety	5000 32 / 40 / 35 Low accident rate	Suggested by CEI because in bad location. Residents agreed on poor current location.
Speed hump west of Lovelane Farm on Baker Bridge Road	Secondary	Yes	Yes	\$5,000	Two signs and road paint	HDC, Planning, ConComm, Public Safety	2200 25 / 30 / 20 Accident hot spot when normalized for volume	Proximity of both Lovelane Farm and Carroll School and the boulder necessitate slowing traffic.
Speed hump east of the DeCordova on Sandy Pond Road	Secondary	Yes	Yes	\$5,000	Two signs and road paint	HDC, Planning, ConComm, Public Safety	2900 30 / 35 / 25 Moderate accident rate when normalized for volume	Trail crossing, desire to slow traffic in/near historic district. Traffic will increase with occupation of the Groves.

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Sloped granite curbing in the Historic District along Trapelo Road	Primary	Yes	Yes	\$90,000	None	HDC, Planning, ConComm, Public Safety	n/a	Drainage need. Durability and Historic District aesthetic merits extra costs
Crosswalk at the intersection of Lexington and Trapelo Roads	Primary	Yes	Yes	\$1,000	Two signs and road paint	HDC, Planning, ConComm, Public Safety	5700 34 / 41 / 25-30 Approach leads to accident hot spot at 5 Corners	Walkers cross there. Desire to slow traffic in Historic District. Granite in pavement to match crosswalk at 5 corners.

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Intersection geometry modification at Trapelo and Old Lexington Roads	Primary	Yes	Yes	\$2,500	None	HDC, Planning, ConComm, Public Safety	5700 34 / 41 / 25-30 Approach leads to accident hot spot at 5 Corners	Promote caution for drivers entering Trapelo Rd from Old Lexington Rd; slow westbound drivers exiting Trapelo Road onto Old Lexington (they currently accelerate significantly)
Roadside treatments at intersection of Trapelo and Old County Roads	Primary	Yes	Yes	\$24,000	None	HDC, Planning, ConComm, Public Safety	5700 34 / 41 / 30-35 Major accident hot spot	Desire to slow traffic, particularly that heading east. Tighten up too wide an opening. Need gateway treatment for important entry to town. High accident spot.

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Flush granite median on Trapelo Road as it approaches Old County Road	Primary	Yes	Yes	\$19,000	None	HDC, Planning, ConComm, Public Safety	5700 34 / 41 / 30-35 Major accident hot spot	Desire to slow traffic, particularly that heading east. Tighten up too wide an opening. Need gateway treatment for important entry to town. High accident spot.