

Traffic Calming Recommended Plan Morgantown, WV

V 2.0

Version 2:	May 5, 2009	Updates to Woodburn
	May 5, 2009	Updates to Wiles Hill

Presented to: Morgantown City Council Oct 28, 2008

Approved by: Morgantown Traffic Commission Oct 8, 2008

Goals of Traffic Calming

- Support the local Morgantown neighborhoods to improve livability (this includes walk ability)
- Support MPO and DoH to “improve **continuous traffic flow**” on all State owned roads
- Most importantly, support neighborhoods by **reducing** and preventing **cut-through traffic** in Morgantown neighborhoods

PROBLEM

- **Speeding** complaints in neighborhoods has become an epidemic
- **Traffic Volume** in the neighborhoods has contributed to the volume of “speeding” complaints to the City Council and to the Traffic Commission

Immediate Recommendations

1. “25 means 25” Campaign

- A public relations blitz regarding stepped up speeding enforcement
 - Announce in papers and on radio
 - (similar to DUI checkpoint announcements)
- An Enforcement blitz in announced areas
 - To enforce the speed limit in neighborhoods.
 - i.e. 25 mph is the MAXIMUM according to state law
 - To enforce stop signs in neighborhoods
- (Later, more active enforcement in neighborhoods)

Immediate Recommendations

2. **Install STOP BARS** at all stop signs in the city

- Improved visibility
- “no excuse” enforcement possible
- Contributes to impeding traffic in the neighborhoods
- Contributes to moving traffic to the main arteries
- Obvious contribution to safety

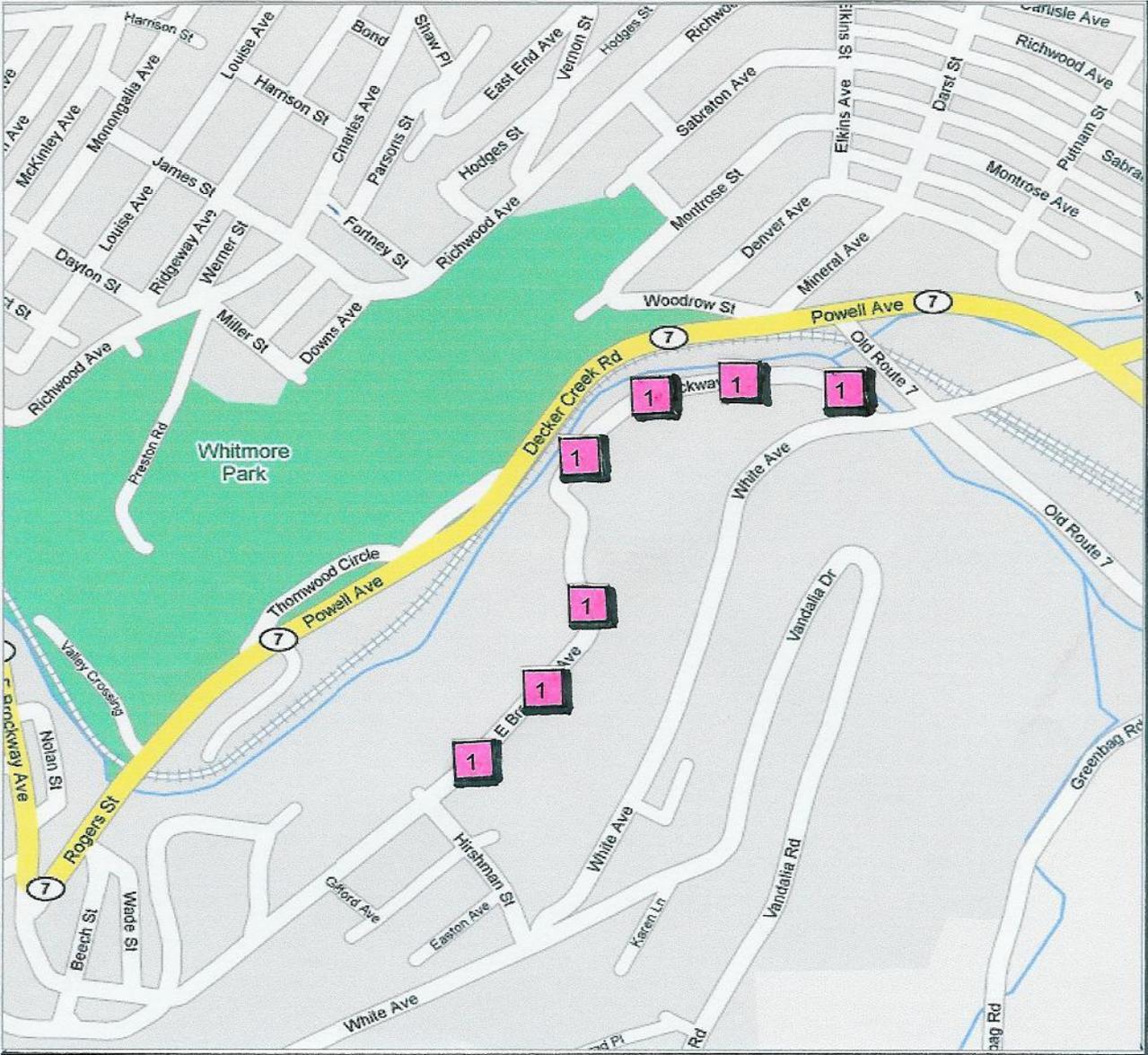
Completed Traffic Calming Projects

- Willowdale Road
 - Installed lane dividers and Operational
 - (Being re-evaluated by Ron Eck, Retired-WVU)
- Mississippi St and White Park
 - Installed and operational
- East Brockway Ave and Marilla Park
 - Installed and operational
- Evansdale
 - Installed and operational

Mississippi St. in White park traffic calming

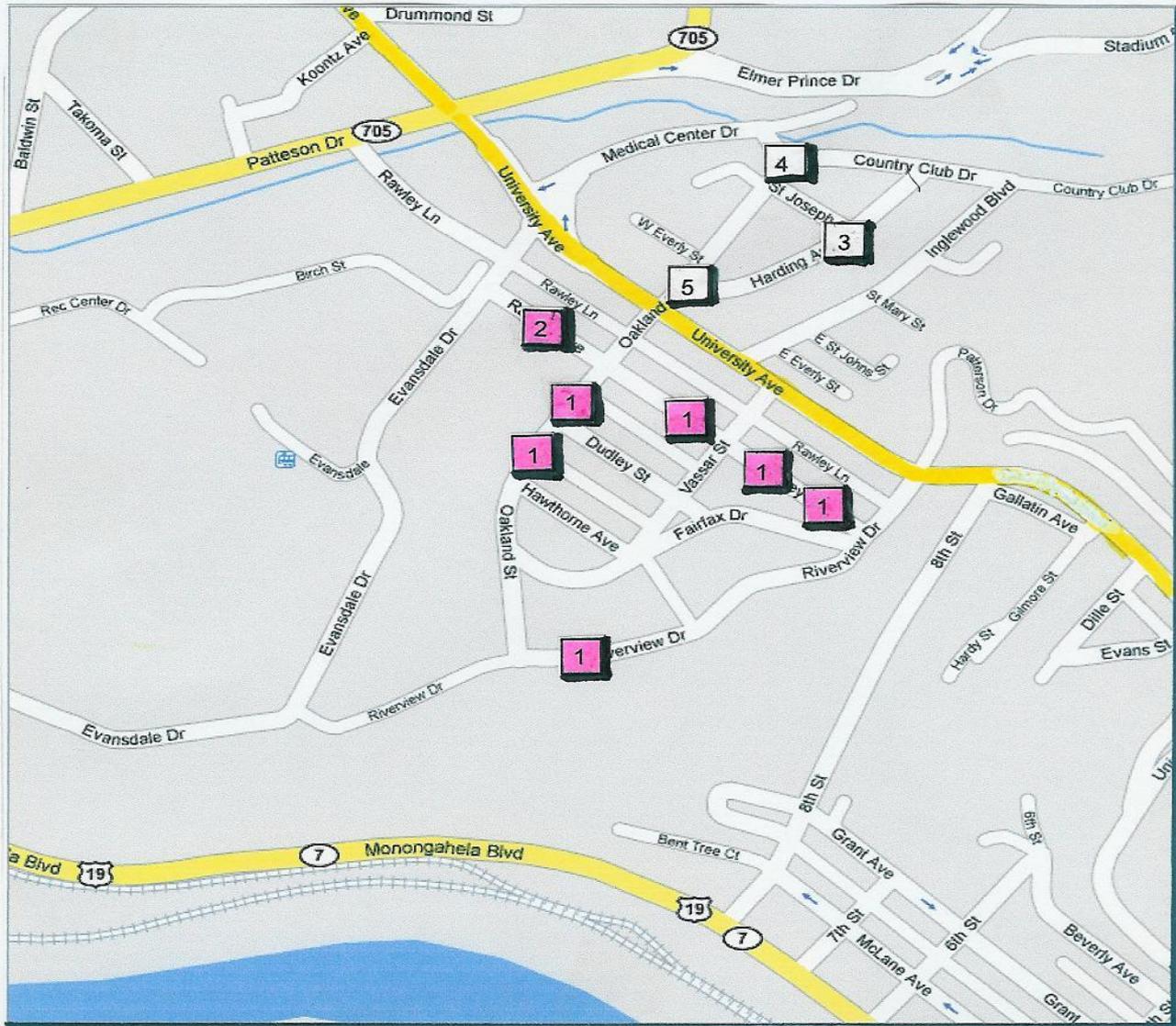


East Brockway Ave. in Marilla Park traffic calming



1. Speed hump

Evansdale neighborhood traffic calming



1. Speed hump
2. Speed table with crosswalk
3. Speed table
4. Raised intersection
5. Intersection modified for improved safety.

Methods of Traffic Calming

- There are many methods to calm traffic



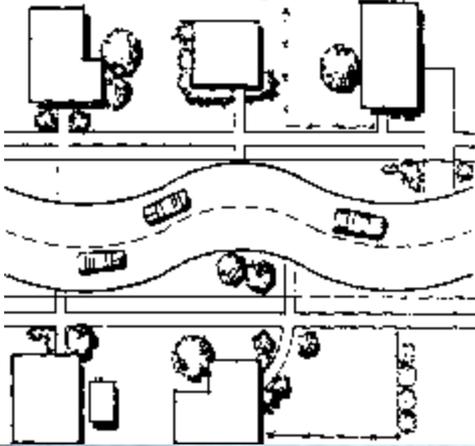
1 Raised Intersection



2 Bulb out



3 Chicane or choker



4 Modified T intersection with crosswalk



5 Speed Hump or Speed Table



6 Painted Road Narrowing



7 Stop Bar



8 Modified T Intersection



9 Gateway Platform



10 Traffic Circle



Traffic Circle with pedestrians

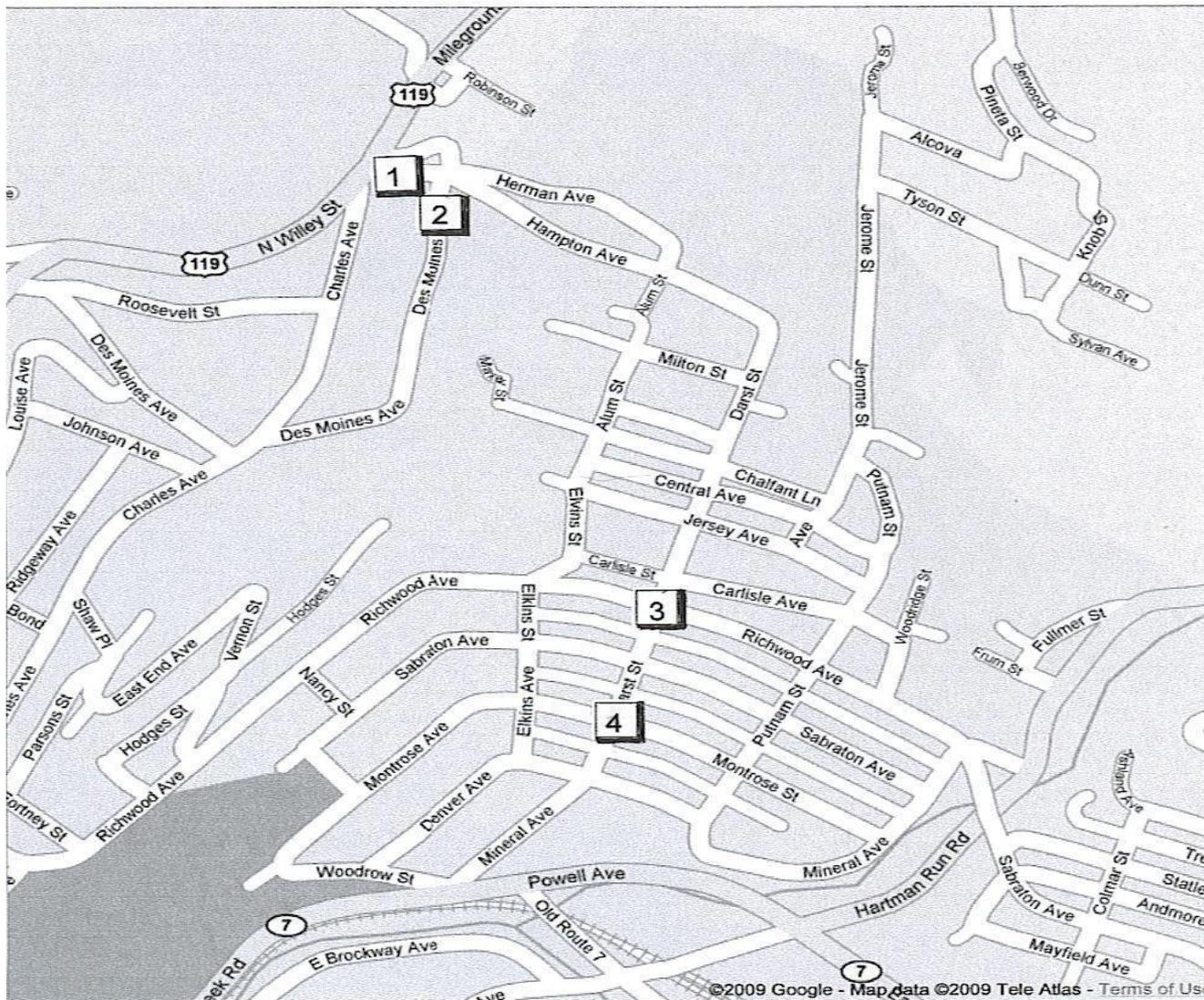


Phase 2

Traffic Calming Projects

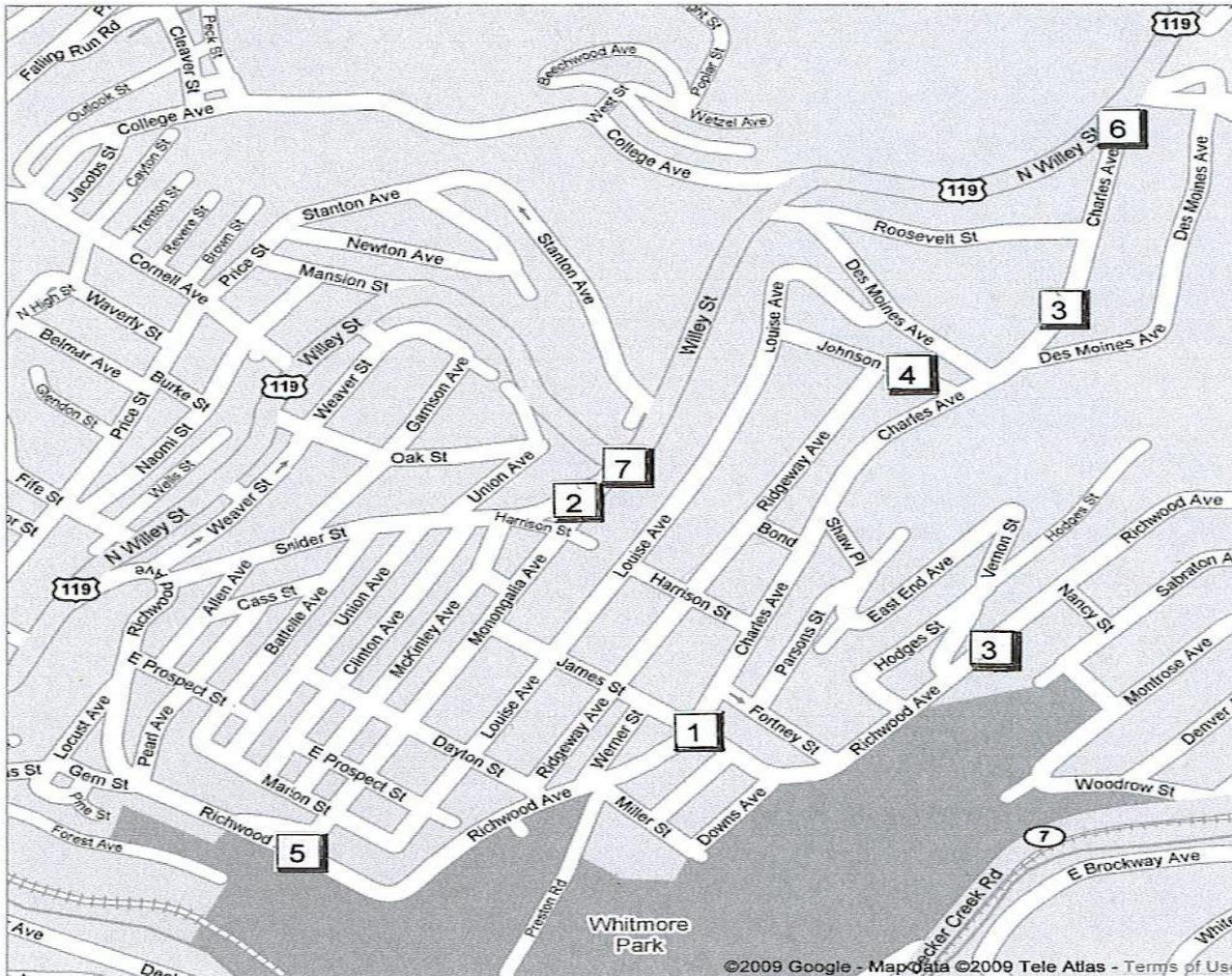
- Wiles Hill
 - Recommendations accepted from WHNA
 - Still needs to be reviewed by WHNA
- Woodburn
 - Recommendations accepted from WAN
 - Still needs to be reviewed by WAN
- South Park
 - Submitted and reviewed by SPAN
- Suncrest Area
 - Submitted and reviewed by SNA

Hampton Ave. & Darst St. neighborhood traffic calming



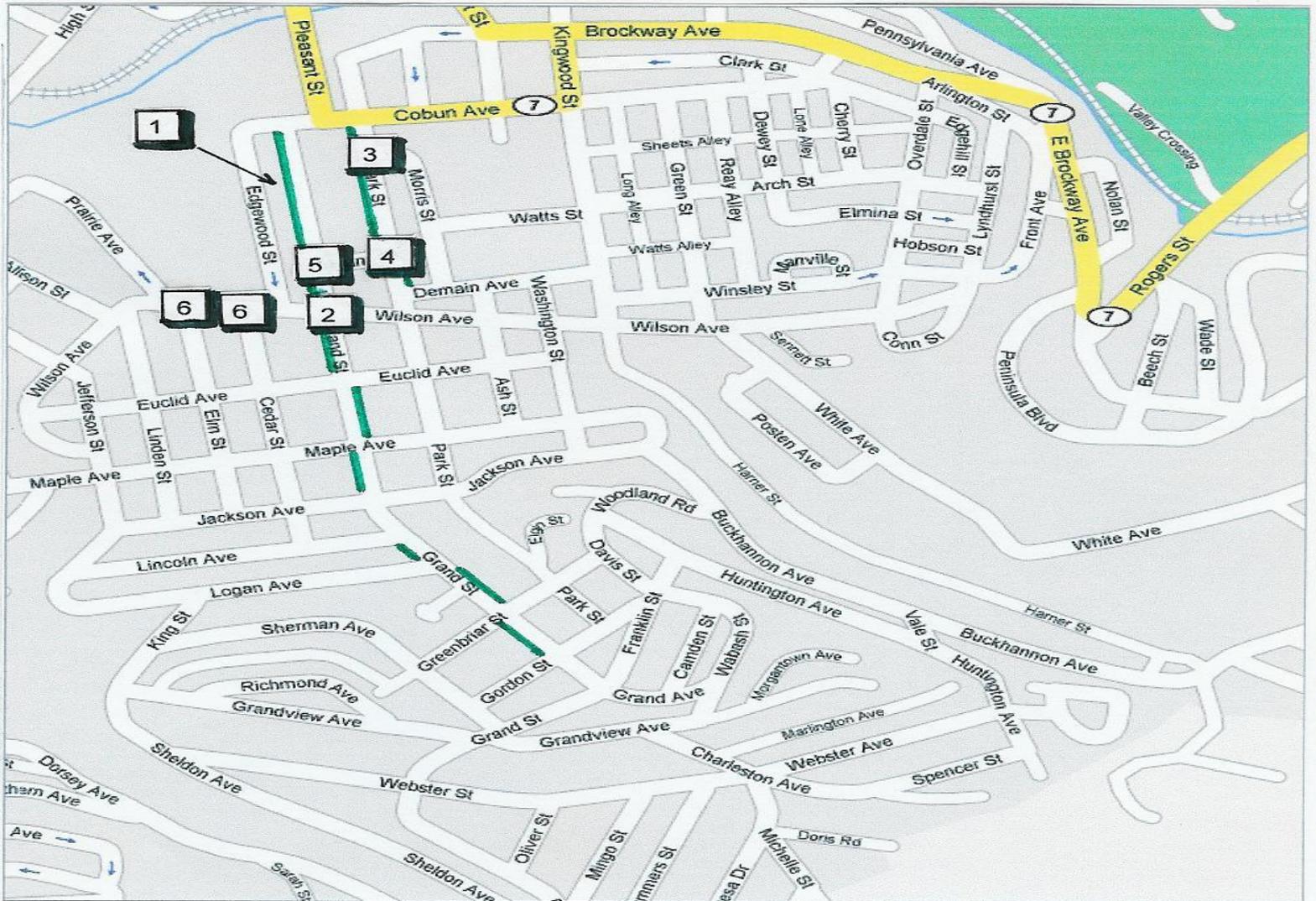
1. Right turn only from Hampton Ave. onto Willey St.
2. One-way for last 100ft. from Des Moines to Hampton to prevent cutback traffic to Willey St.
3. No right turn on Red from Richwood Ave Eastbound to Darst St.
4. Raised intersection at Darst St. and Montrose St.

Woodburn neighborhood traffic calming



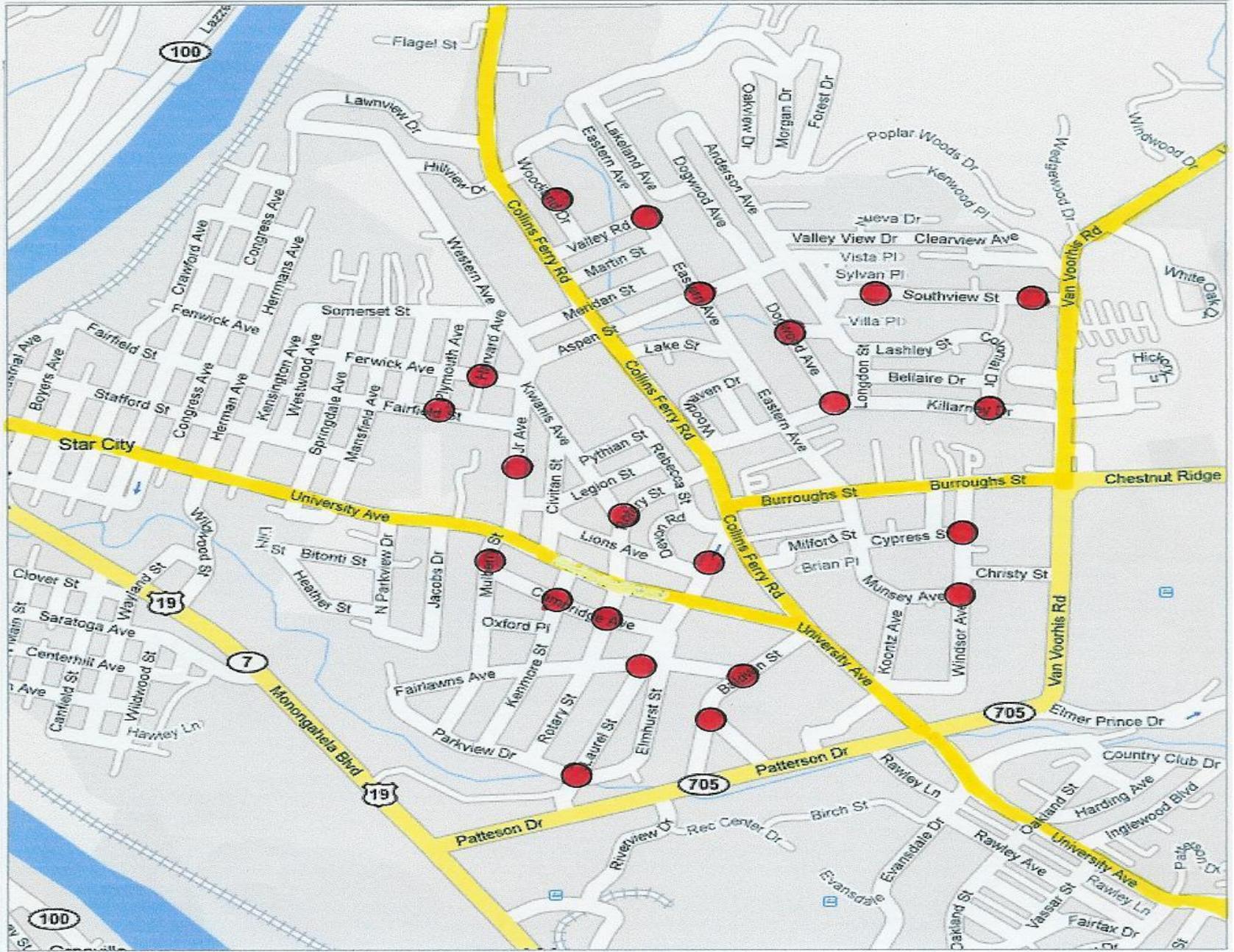
1. Raised intersection with neighborhood entrance gateway.
2. Modified T-intersection
3. Speed humps or speed table
4. Sidewalk on Johnson Ave. from Louise Ave. to Charles Ave.
5. Speed table with crosswalk at bottom of stairs on Richwood Ave.
6. No left turn from Charles Ave. onto Willey St. and include a neighborhood entrance gateway.
7. Replace "Do Not Enter" signage at Willey St. onto Monongalia Ave.

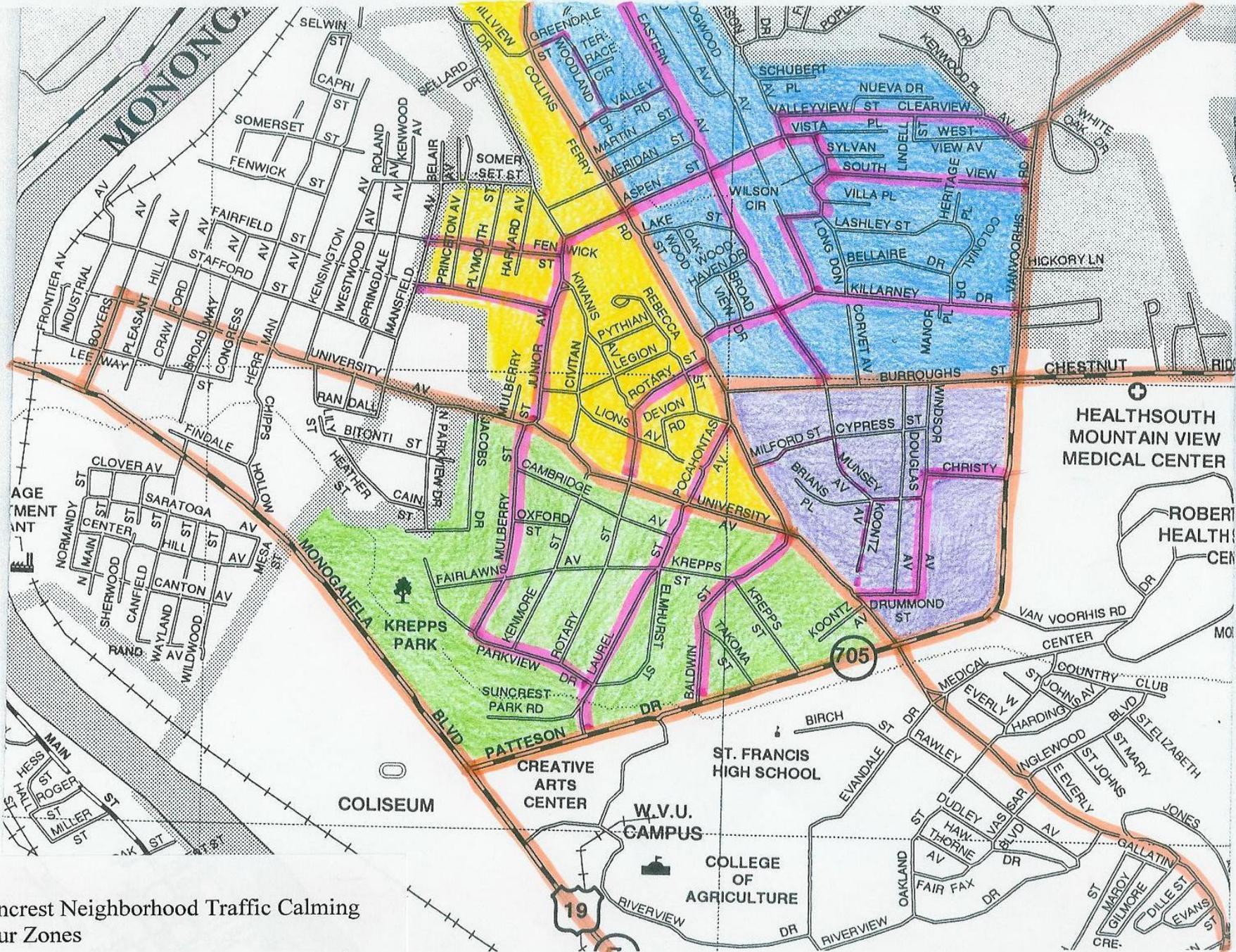
South Park neighborhood traffic calming



1. Street parking changed to alternating sides on Grand St. and Park St. (shown in green).
2. Raised intersection at Wilson Ave. and Grand St.
3. Raised intersection at Park St. and Morris St.
4. Raised intersection at Park St. and Hagans St.
5. Raised intersection at Grand St. and Hagans St.
6. Raised intersections and crosswalks in front of Morgantown High School at Wilson Ave. & Elm St. and Wilson Ave. & Cedar St.
7. Raised intersections and crosswalks at Brockway Ave & Park St, Cobun Ave & Park St, and Rogers St & Park St.

Suncrest neighborhood traffic calming





Suncrest Neighborhood Traffic Calming
Four Zones

Recommendation for WVDoH

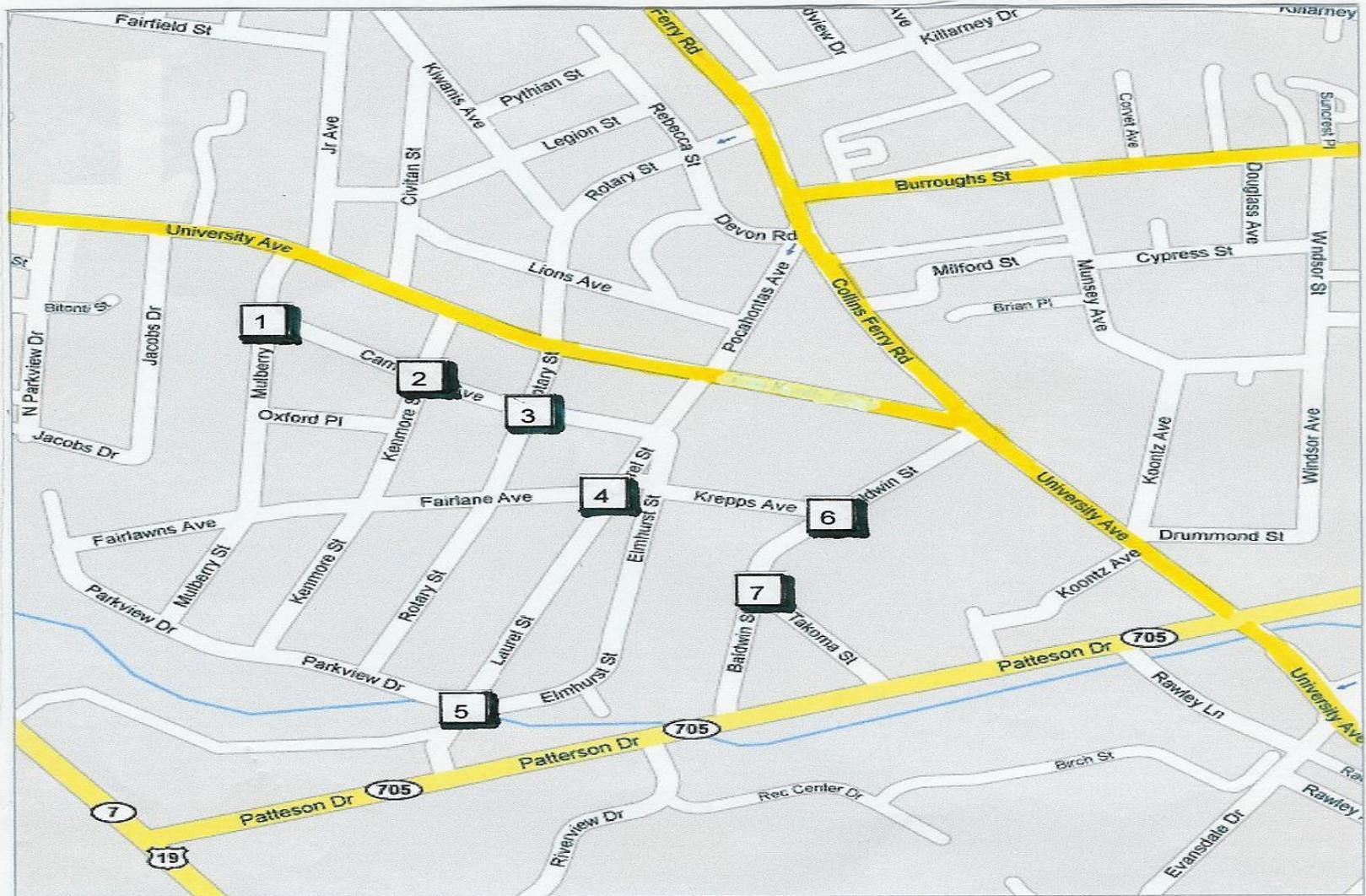
- **A traffic circle at**
Collins Ferry, University Ave and Baldwin St

Should be installed to relieve congestion on University and on Collins Ferry.

This should:

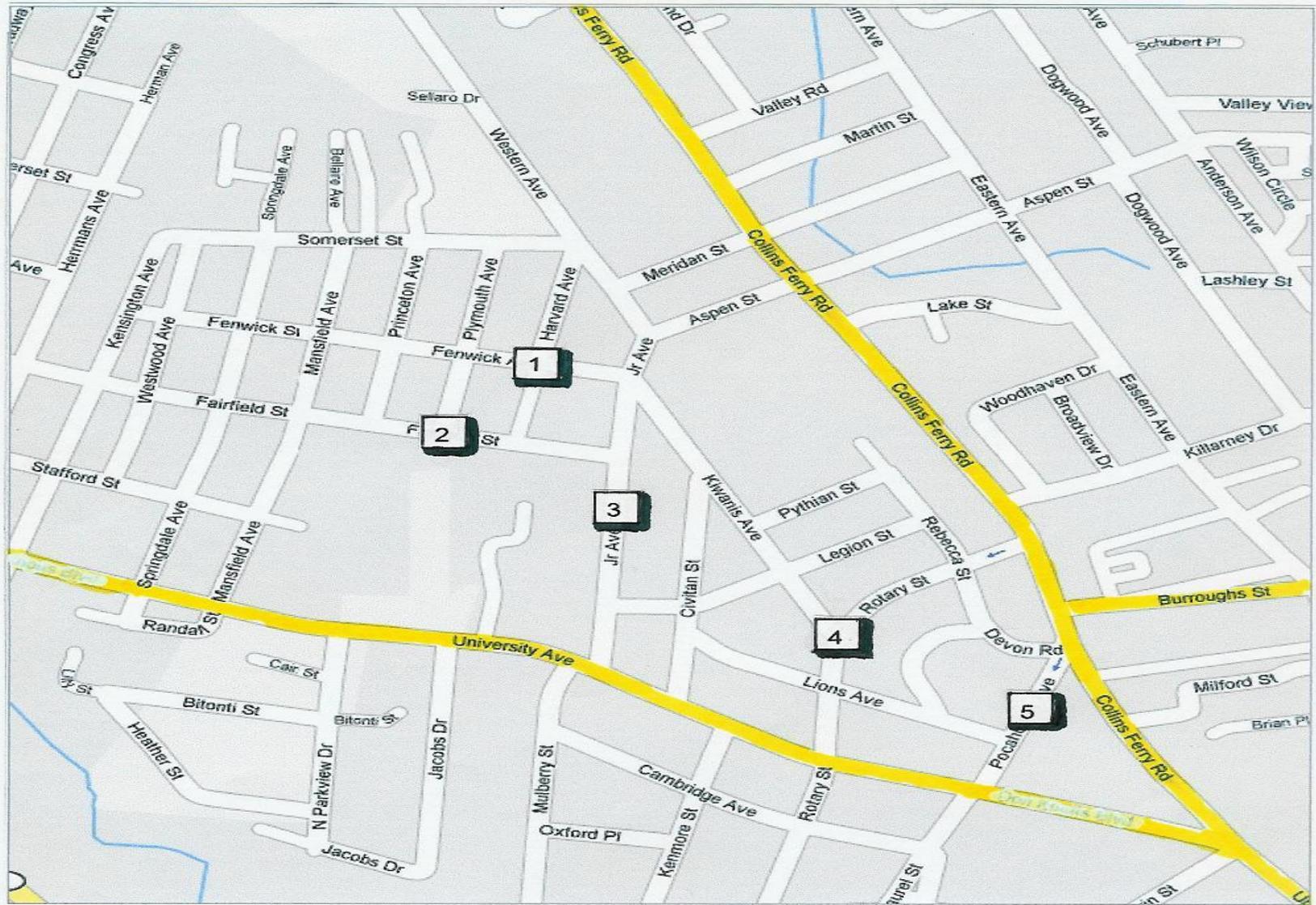
- Make the intersection considerably safer
- Assist continuous traffic flow on two main arteries of Morgantown.
- Assist local traffic calming efforts by assisting continuous traffic flow on the main arteries of Morgantown.

Suncrest neighborhood traffic calming - Suncrest Park



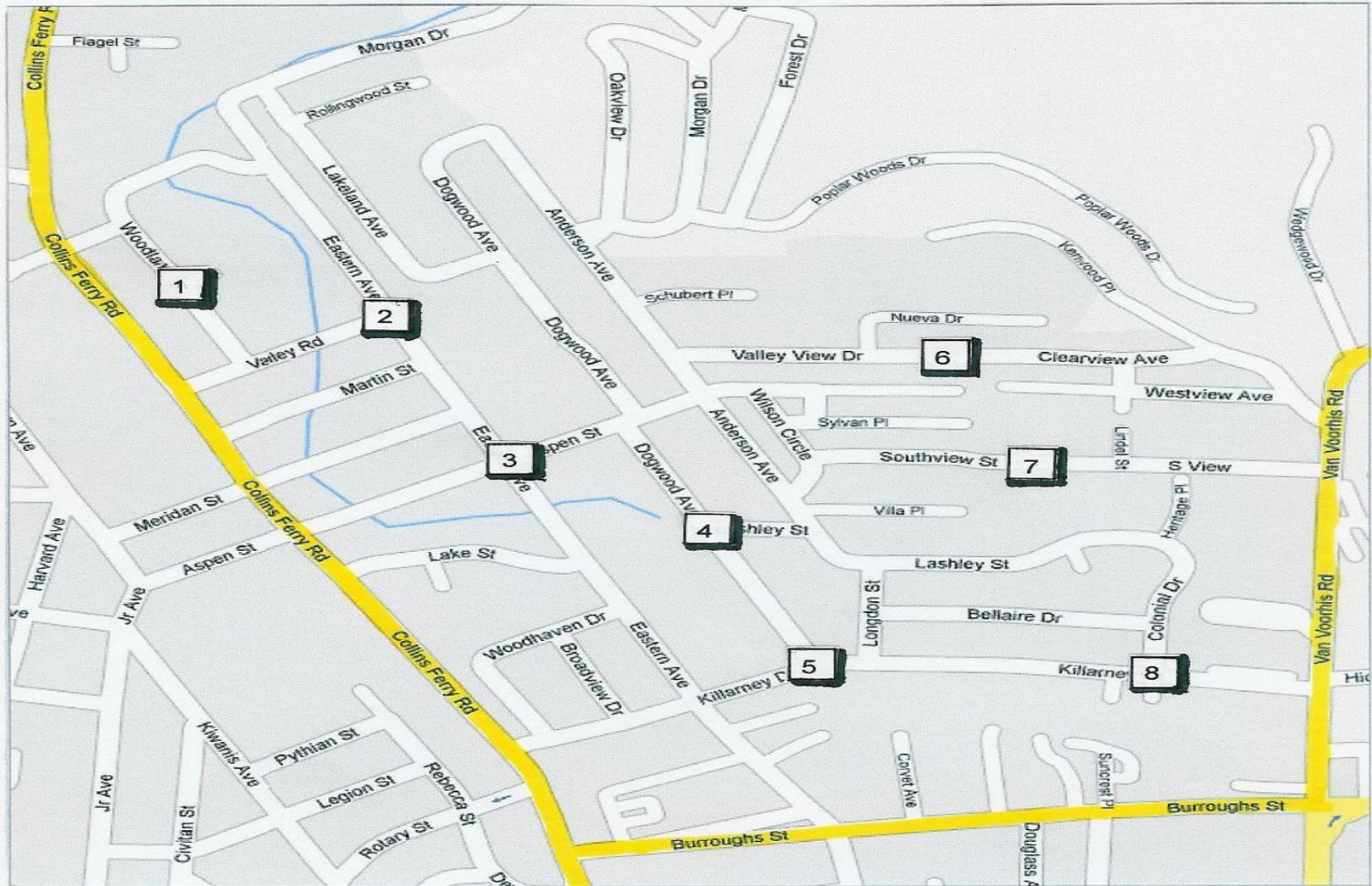
1. Gateway platform at Mulberry St. and Cambridge Ave.
2. Gateway platform at Kenmore St. and Cambridge Ave.
3. Gateway platform at Rotary St. and Cambridge Ave.
4. Modified T-intersection with crosswalk at Laurel St. and Fairlawns Ave.
5. Raised intersection at Laurel St., Parkview Dr. and Elmhurst St.
6. Raised intersection at Baldwin St. and Krepps St.
7. Raised intersection at Baldwin St. and Takoma St.

Suncrest neighborhood traffic calming - Old Suncrest



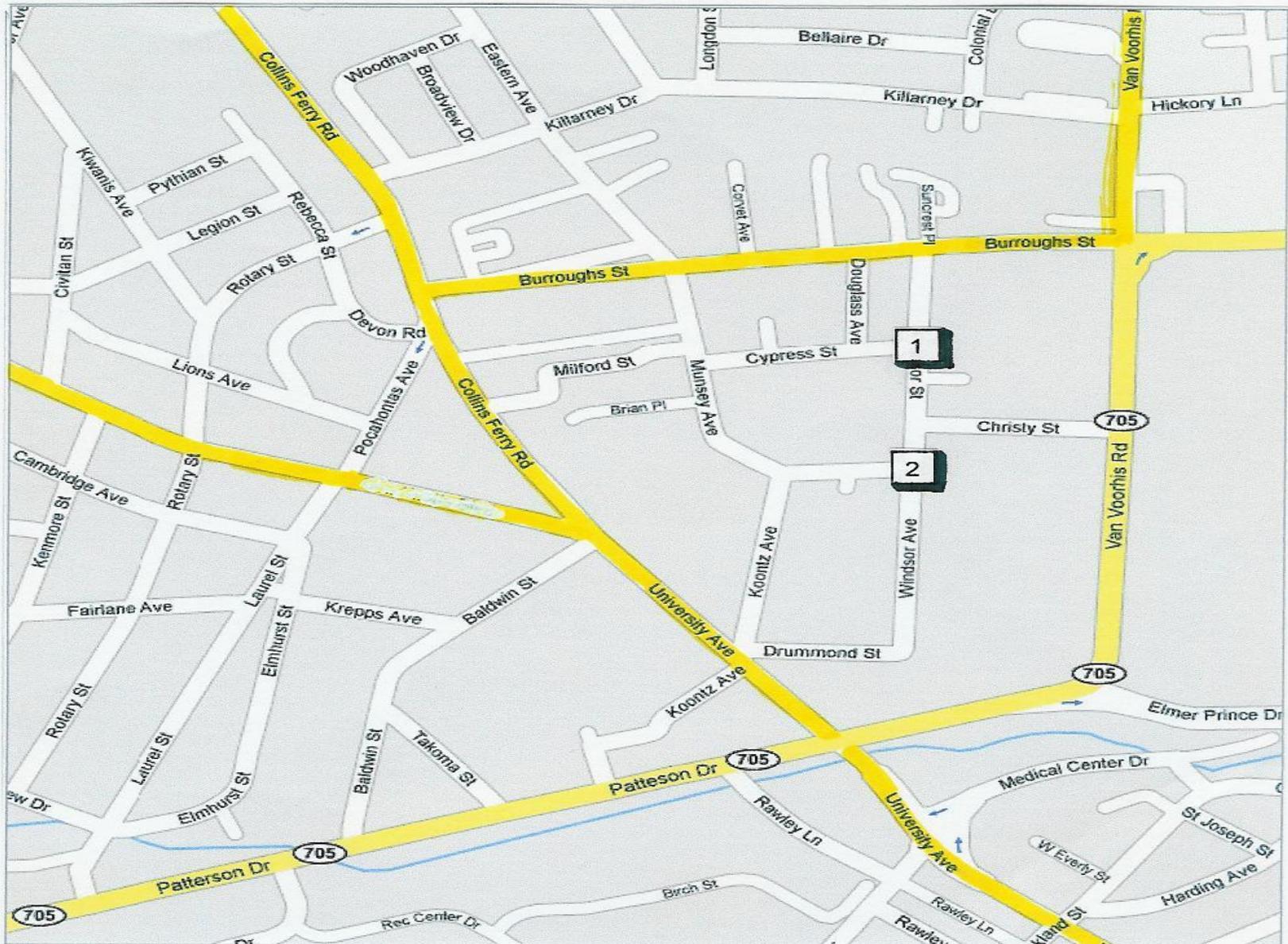
1. Bulbout or curb extensions at Fenwick St. and Harvard Ave.
2. Bulbout or curb extensions at Fairfield St. and Plymouth St.
3. Painted road narrowing or speed humps on Junior Ave.
4. Improved sight lines and stop bars at Rotary St. and Kiwanis Ave.
5. Painted road narrowing along Pocahontas St.

Suncrest neighborhood traffic calming - Virginia Manor



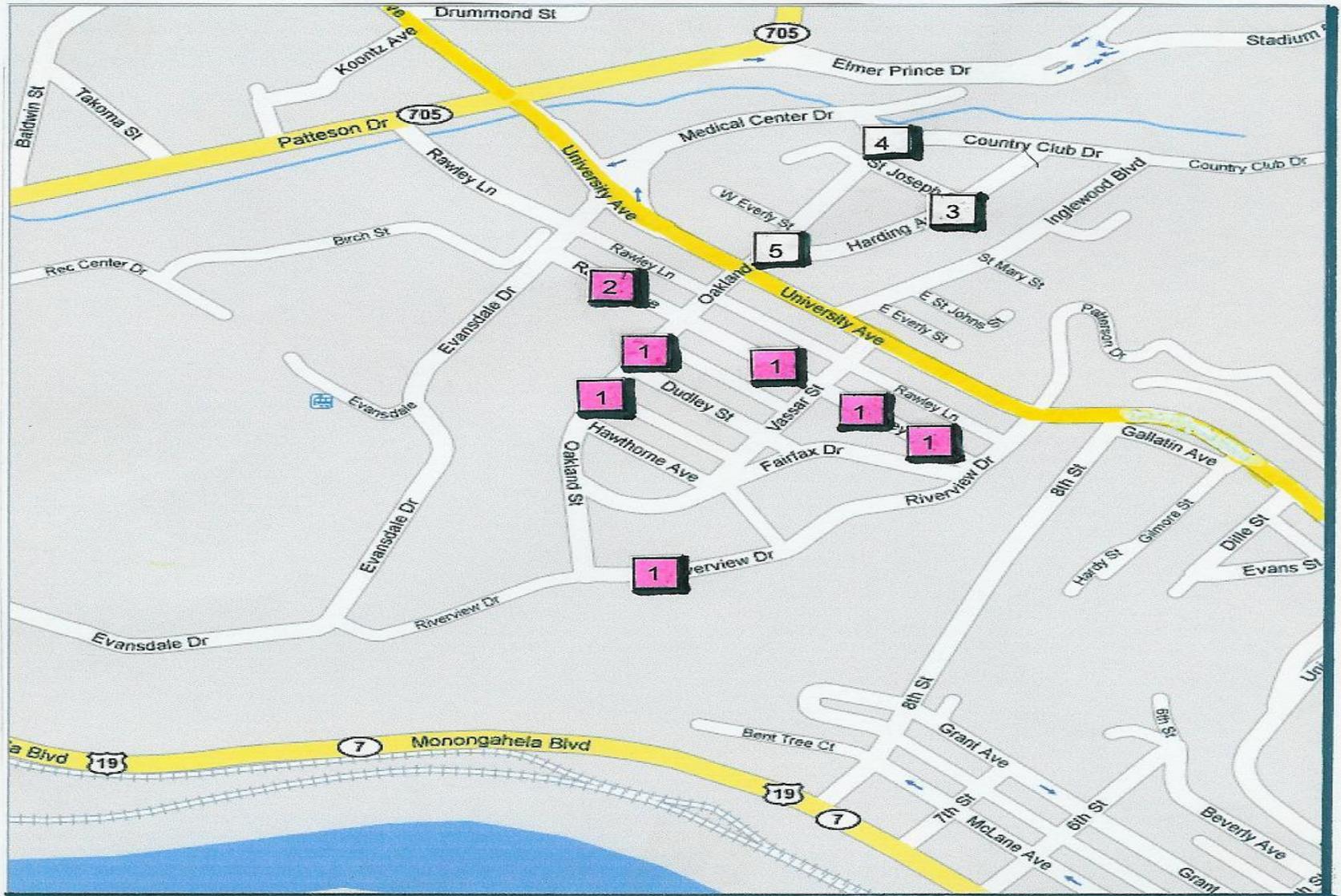
1. Modified T-intersection at Woodland Dr. and Woodland Circle
2. Modified T-intersection at Eastern Ave. and Valley Rd.
3. Raised intersection at Aspen St. and Eastern Ave.
4. Modified T-intersection at Dogwood Ave. and Lashley St.
5. Modified T-intersection at Killarney Dr. and Dogwood Ave.
6. Speed humps on Valleyview St. & Clearview St.
7. Chicanes on Southview St.
8. Bulbout or curb extensions at Killarney Dr. and Colonial Dr.

Suncrest neighborhood traffic calming - Windsor Ave.



1. Modified T-intersection at Windsor Ave. and Cypress St.
2. Modified T-intersection at Windsor Ave. and Munsey St.

Evansdale neighborhood traffic calming



1. Speed hump
2. Speed table with crosswalk
3. Speed table
4. Raised intersection
5. Intersection modified for improved safety.

Table 7-1 SUMMARY OF TRAFFIC CALMING ELEMENTS

MEASURE	SPEED REDUCTION	VOLUME REDUCTION	NOISE INCREASE	POLLUTION INCREASE	LOSS OF PARKING	ACCESS RESTRICTION	EMERGENCY IMPACTS	INCREASE MAINTENANCE
BASIC ELEMENTS								
Police Enforcement	Moderate-Major	None	No	No	No	No	None	None
NASCOOP Enforcement	Moderate-Major	Possible-Minor	No	No	No	No	No	No
Radar Trailer	Minor	None	No	No	No	No	No	No
Safety Education	Possible-Minor	None	No	No	No	No	No	No
Curb Markings	No	None	No	No	Possible	No	No	Minor
Warning Signs	Possible-Minor	None	No	No	No	No	No	Minor
Striping	Possible-Minor	None	No	No	No	No	No	Minor
Truck Restriction	No	Minor	No	No	No	No	No	No
Signed Turn Restrictions	Possible-Minor	Possible-Minor	No	Possible-Minor	No	Minor-Moderate	No	Minor
High Visibility Signs	Possible-Minor	None	No	No	No	No	None	None
High Visibility X-Walks	Possible-Minor	None	No	No	Possible	No	No	Minor
Stop Signs	Minor	None	Possible-Minor	Minor	No	No	No	Minor
Minor Bulb-outs	Possible-Minor	Possible-Minor	No	No	Possible-Minor	Possible	No	Minor
LEVEL I ELEMENTS								
Road Bumps	Minor-Moderate	Possible-Minor	Minor	Minor	Minor	No	Minor-Moderate	Minor-Moderate
Raised Crosswalks	Minor-Moderate	Possible-Minor	Minor	Minor	Minor	No	Minor-Moderate	Minor-Moderate
Major Bulb-outs	Minor	Possible-Minor	No	No	Minor	No	Possible-Minor	Minor-Moderate
Minor Traffic Circle	Minor-Moderate	Possible-Minor	No	No	Minor	No	Minor	Minor-Moderate
Major Traffic Circle	Minor-Moderate	Possible-Minor	No	No	Moderate	No	Minor	Minor-Moderate
Chokers	Minor-Moderate	Possible-Minor	No	No	Minor-Moderate	No	Minor	Minor-Moderate
Medians	Minor-Moderate	Possible-Minor	No	No	Minor-Moderate	No	Minor	Minor-Moderate
Chicanes	Minor-Moderate	Possible-Minor	No	No	Minor-Moderate	No	Minor	Minor-Moderate
LEVEL II ELEMENTS								
Diversers	Minor-Major	Minor-Major	Minor	Possible-Minor	Minor	Moderate-Major	Minor	Minor-Moderate
Partial Closure	Minor-Major	Minor-Major	Minor	Possible-Minor	Minor	Moderate-Major	Minor	Minor-Moderate
Extended Median	Minor-Major	Minor-Major	Minor	Possible-Minor	Minor	Moderate-Major	Moderate-Major	Moderate
Full Closure	Minor-Major	Minor-Major	Minor	Possible-Minor	Minor	Moderate-Major	Moderate-Major	Moderate

Estimated Total Costs

Base Costs (California)	# used	Low	High	Low \$	High \$\$
Speed hump	8	\$2,000	\$2,000	\$16,000	\$16,000
Speed Table	2	\$5,000	\$15,000	\$10,000	\$30,000
Raised Intersection	17	\$25,000	\$70,000	\$425,000	\$1,190,000
Modified T	9	\$30,000	\$60,000	\$270,000	\$540,000
Small Traffic Circle	2	\$8,000	\$15,000	\$16,000	\$30,000
Gateway platform	3	\$5,000	\$60,000	\$15,000	\$180,000
Bulbout or curb extention	3	\$5,000	\$20,000	\$15,000	\$60,000
Road Paint	0	\$100	\$5,000	\$0	\$0
Chicane	1	\$10,000	\$20,000	\$10,000	\$20,000
Mini Roundabout	0	\$45,000	\$150,000	\$0	\$0
		GRAND TOTALS		\$777,000	\$2,066,000