

Proposal for Traffic Calming and Child Safety  
Thomas Harmon Drive, Newell's Creed Community.  
October 11, 2011

Summary:

- Several Newell's Creek residents approached the Mayor regarding the traffic volume and their concern for the safety of children in the neighborhood.
- A survey of the community resulted in 129 homes participating. Sixty Six percent of the responding home voted in favor of a closure on Thomas Harmon Drive.
- A traffic survey using the Camden Police radar box was conducted over a period of two weeks, one week in each direction on Thomas Harmon Drive. The survey shows an average of 4574 vehicles per day measured over seven days in each direction. The measurements were made in August 2010 using the Camden Police radar box which measured the count and speed in one direction at a time.

A chart showing the data is attached as Appendix A.

- Caesar Rodney School District has provided a student count which shows 153 students of which 63 walk to Nellie Stokes School. A survey performed by the residents found an additional 50 students that attend other schools including private schools.
- After meeting with police, fire and ambulance first responders and with DelDot it is recommended that East bound traffic be blocked from exiting Newell's Creek Community, (NCC), into the WalMart and Camden Town Center commercial areas.
  - The plan will calm traffic at the three way stop on Thomas Harmon and WalMart Drive.
  - First responders will have access through Newell's Creek to the commercial center and U.S 13.
- A "Safe Routes To School" request will be filed by Newell's Creek residents. The request will be to install crosswalk markings and "Yield to Pedestrians" signs on the intersections in the community. The funding for this project, if approved, will come from the funds available to Nellie Stokes School.
- Senator Brian Bushweller and Representative Donald Blakey will be requested to provide Community Traffic Funds to purchase and install the necessary materials.

PROPOSAL

- Close Thomas Harmon Drive, (THD) at the Newell's Creek Community, (NCC) boundary with Wal-Mart, (WM) and Camden Town Center, (CTC) to East bound traffic. (From NCC into WM and CTC).

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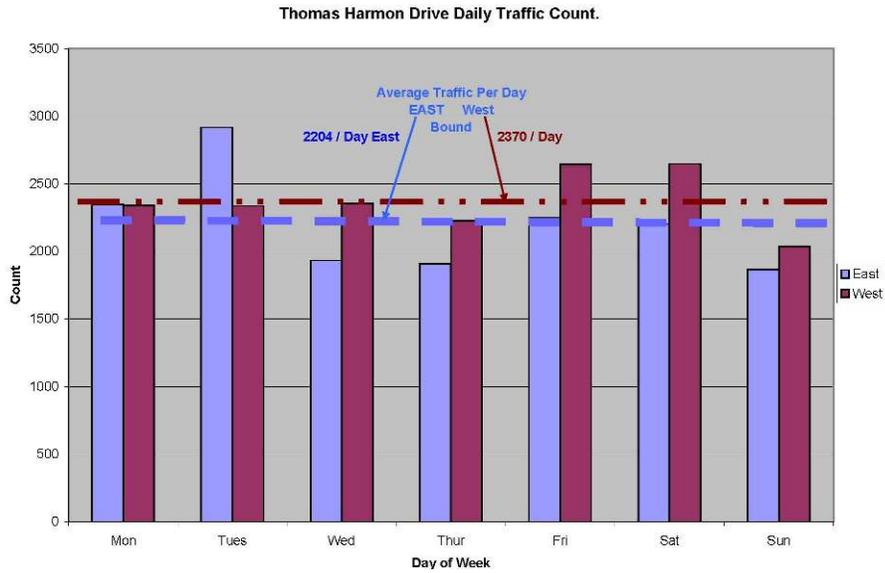
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- This will calm / reduce traffic volume on THD from Upper King Road, (US13 A), to South DuPont Highway. .
- The three way stop at THD and Wall-Mart Drive, (WMD) will be relieved from east bound traffic coming through NCC. Allowing west bound traffic to enter THD NC will help reduce build up of traffic on WMD making turns towards US13
  - Traffic wanting to access US 13 or the commercial centers will have three options:
    - Using Camden Wyoming Avenue or Voshell's Mill Road will make a right turn on US 13 and a right turn into the commercial center thus avoiding any need turn across U.S. 13.
    - Traffic using Lockmeath Way from US13A will access the center by turning left on to WMD. Traffic will not be required to go out on US 13 DuPont Highway
  - The afternoon traffic, using THD to return home from work will still be a concern for children playing on or near THD, but such traffic will be well after children have been discharged from school buses or are walking home from Nellie Stokes School.
- Signs on Jacks Way and Dewitt Circle entrances to NC advising that thru traffic is not permitted to U.S. 13 (DuPont Highway, Wal-Mart or Camden Town Center.
  - Wording of the signs to be worked out with DelDot Sign group
- Curb barriers with bollards will be used to close the east bound lane of THD from the CTC Boundary to just before the 1<sup>st</sup> NCC driveway on the south side of THD.
- Elementary school children walk to Nellie Stokes School and have to cross THD and other streets. To assure safe walking conditions, Safe Routes to School funds will be sought to mark and sign cross walks.
- The proposal to limit THD travel is based on CTF fund availability from Senator Busweller and Representative Blakey.

The Safe Routes To School request will address cross walks and pedestrian signs under a separate SRTC application through DelDot and Nellie Stokes School.

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**Appendix A:** Traffic Count.



**Appendix B** Estimated cost for the THD portion of the project. (CTF Request)

Cost Estimate Newells Creek THD One Way closure  
 Material

	Per Section	Total Req	
Line Guides	\$84.00	\$2,268.00	27 sections
Bollards	\$ 90.50	\$ 2,805.50	31 pieces
Signs	\$44.10	\$176.40	4 signs
	\$84.89	\$254.67	3 signs
	\$31.24	\$31.24	1 sign
Posts	\$30.18	\$241.44	8 posts

Material	\$ 3,509.25
Misc Mtl	\$ 1,500.00
Installation	\$ 5,000.00
<b>Project Estimate</b>	<b>\$ 10,009.25</b>

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Appendix C, Proposed Signs for the THD  
Project:



Appendix D: CR Student Count.

Students from Newell's Creek attending school in the Caesar Rodney School District:

Mcllvaine	-	11
Stokes	-	67
Fifer	-	41
CRHS	-	30
Charlton	-	4
<b>Total</b>		<b>153</b>

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**Appendix E:** Proposed Curb Liners and bollard posts for the Lane Closure:

**TECH SHEET**

**LINEGUIDE**

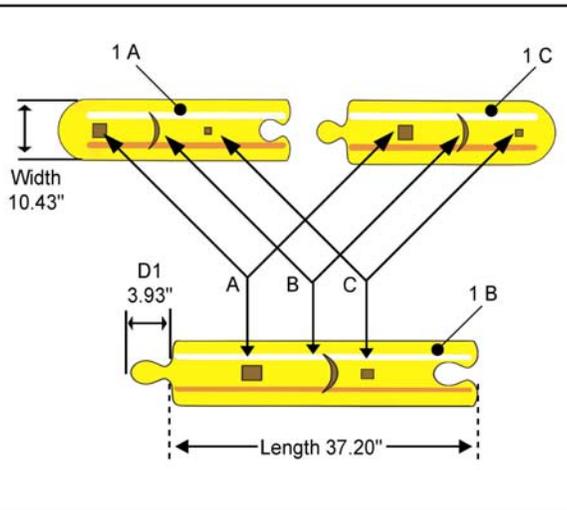
Date : January 2, 2000

**SECTION I IDENTITY**

Identity : <b>LINEGUIDE</b>	Telephone Number : 1-800-414-5024
Manufacturer/Distribution <b>US REFLECTOR</b>	Distributor's Name : <b>JJV Sales</b>
Address <b>144 Canterbury St</b>	Address <b>6 Overhill Lane</b>
City - State - Zip - Phone <b>Worcester MA 01603 USA 508/753-6373</b>	City - State - Zip - Phone <b>New City, NY 10956-2211</b>

**SECTION II CHARACTERISTICS**

Description :	LINEGUIDE		
Type :	MOLD		
Shell :	Recycled Plastic		
	<b>Inches</b>		<b>Centimeters</b>
Height :	3.54		9
Width :	9.25		23.5
Length :	37.20		94.5
A Square:	1.65 x 1.65		4.2 x 4.2
B Split:	5.51		14
C Square:	0.98 x 0.98		2.5 x 2.5
D1 Head L:	3.93		10
	<b>Lbs</b>		<b>kg</b>
Weight :	18		10
			<b>Item #</b>
Lineguide	1 A	Yellow	0550-Y
Lineguide	1 B	Yellow	0552-Y
Lineguide	1 C	Yellow	0551-Y



**SECTION III BENEFITS**

*Lineguide has 2 metal rods running through inner body adding extra strength and rigidity. Square opening for T-Support with Reflective Beads. Base can be used in conjunction with B-70 Flexible Post Item # 0412. Base may be anchored or glued to surface. 6 Neoprene anti-skid grips for anti-skidding.*

**SECTION IV SUGGESTED USES**

*Lineguide adapts perfectly to all types of work zones. May be used temporary or permanent with the ability of guiding motorists through several divided lanes. Tunnels, bridges, Toll areas, Parking lots, bridges etc...*

**Disclaimer of Liability**

The information contained herein is based on manufacturer's data. However, the information is provided without any warranty, expressed or implied. The conditions or methods of handling, storage, use and disposal of this product are beyond our control. Therefore, we expressly disclaim any liability for any loss or damage, whether direct, incidental or consequential, expressed or implied, for loss, product damage or expense arising out of handling, storage, use and disposal of this product.

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**TECH SHEET**

**B-170 SELF ERECTING QUICK POST**

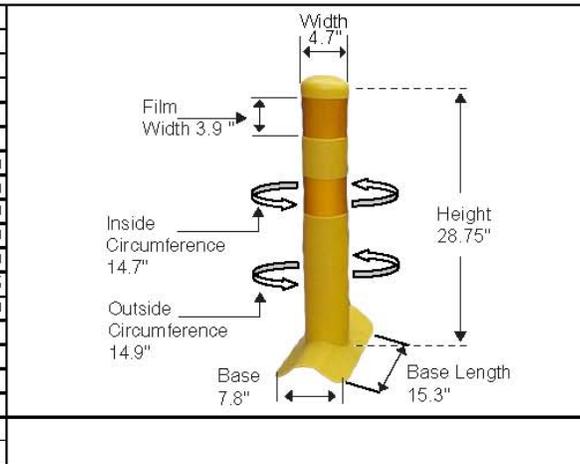
**SECTION I IDENTITY**

**Date :** January 2, 2000

Identity : <b>B-170 SELF ERECTING QUICK POST</b>	Telephone Number : 1-800-414-5024
Manufacturer/Distribution US REFLECTOR	Distributor's Name :
Address 144 Canterbury St	Address
City - State - Zip - Phone Worcester MA 01603 USA 508/753-6373	City - State - Zip - Phone

**SECTION II CHARACTERISTICS**

Description :	B-170	
Type :	Mold	
Shell :	POLYETHYLENE	
Reflection type :	Choice: Engineer grade, HI, D-Grade	
	<b>Inches</b>	<b>Millimeters</b>
Height :	28.75	730
Width :	4.7	120
Base :	7.8	200
Base Length :	15.3	390
Outside Circum :	14.9	380
Inside Circum :	14.7	375
Film Width :	3.9	100
	<b>Lbs</b>	<b>kg</b>
Weight :	3.3	1.5
	<b>Item #</b>	
Flexible Quick Post	Yellow	0412-YY
Flexible Quick Post	White	0414-VVV



**SECTION III BENEFITS**

**ALL-ROUND RUGGEDNESS:** Single-piece design, produced from components making self-erecting marker both rugged and flexible; the post withstands pulling, shear and folding forces. Insensitive to bad weather and temperature differences. The Self-Erecting Marker Post screws easily into Lineguides and Quick Curbs enhancing road separation

- Permanent Marking : Island premarking, Lane separator.
- Temporary Marking : Road narrowing, Road work
- Removal and reinstallation of the post in two minutes or less
- Fast installation time.
- Can be used with Mini-Curb 70 Item # 0527-Y

**SECTION IV SUGGESTED USES**

Work sites, Road divisions, Toll booths areas, Bridges  
 Parking lots, Airports, Railways, Identification for difficult road separations etc...

**Disclaimer of Liability**

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Appendix F: Drawing showing East Bound Block

