

Wheeler Street Traffic Management Project

Neighborhood Information Meeting
August 20, 2015, 6:00-8:00 PM



Agenda

- Background
- Traffic Management Program (TMP)
- Feedback to date
- Full Closure Options
 - Costs
- Next Steps

Background

- Council approved a temporary closure (2011)
- In place until construction on Presbyterian Homes is complete (Fall of 2015)
 - Arden Hills will be reconstructing County D
- TMP approved in 2012
- Request from some neighborhood residents to make permanent (September 2012)
- 2013- Traffic Management Project
- 2015 – Survey, Step back, Neighborhood meeting



What is the Traffic Management Program (TMP)

- Adopted in 2012
- Result of neighborhood requests
- Allows the city to better respond to residents and businesses
- Provides the opportunity for better understanding of the issues
- Allows consistent application across the community



Process

- Identify the nature and extent of existing traffic-related problems on a given street or area
- Select and implement the proper strategy for reducing the identified problem and
- Evaluate effectiveness, accept, modify or revert



Traffic Management Program

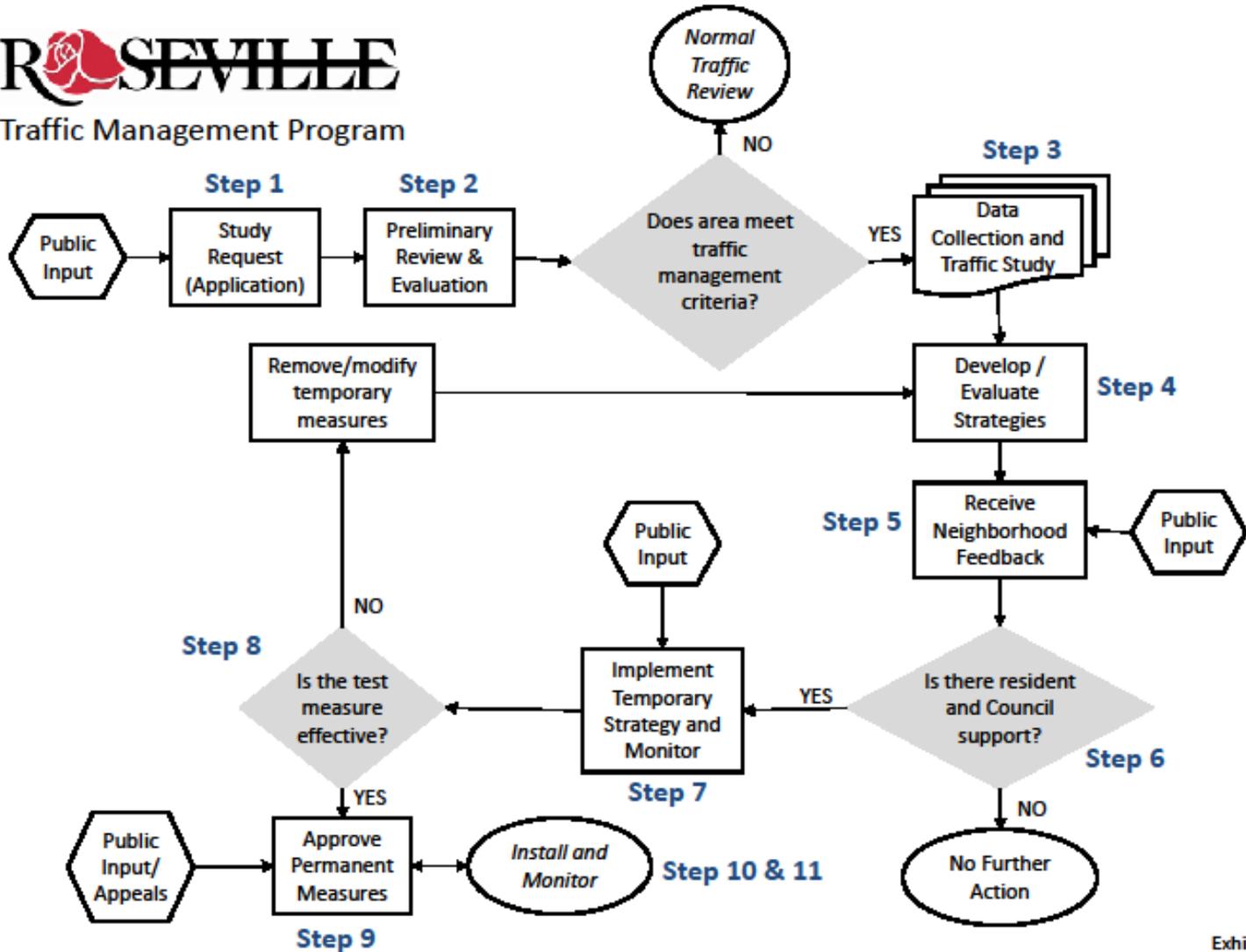


Exhibit 1
Neighborhood Traffic Management Process Flow Chart



TMP Steps

- After temporary strategy in place, gain feedback from the Affected Area about installation of a permanent strategy
- Permanent strategies are funded by a combination of city funds and neighborhood assessments
 - 75% property owners in Benefited Area
 - 25% City funds

Wheeler St Affected Area

- All those properties that have driveways onto Wheeler St, Shorewood Curve, and Shorewood Lane which are north of Lydia and south of County Road D.
- Total number of properties = 42

Previous Concerns Listed

- Speed
- Cut through traffic
- Fairview traffic
- Pres homes construction and employees
- NWC students, no sidewalk
- People “joy riding”
- Keep traffic down
- Rush hour traffic
- Concerns about Arden Hills
- Safety for children
- Emergency vehicle access
- Access to the north (County Rd D)
- Increased traffic due to new development
- Greater distance to travel north

Previous Other Alternatives Suggested

- Items offered at meeting by attendees:
 - Stop signs
 - Are meant to assign right of way
 - Can create safety issue if used in wrong location
 - Closing off Shorewood Ln at Wheeler St
 - Does not address Wheeler concerns
- Limited access at County Road D
 - Difficult to control access unless full closure
- One way street
 - Circulation issue
 - Not standard



Full Closure Discussion

- 2012 petition request for permanent closure
- 35 signatures
 - 33 property owners
 - 2 not shown as owners on County Records
 - 78.6% of benefited area (42 properties)

Traffic Results from Temporary Closure

	AM	AM Peak	PM	PM Peak	Average	Speed		
	Peak	Time	Peak	Time	24 Hr Ct	Avg.	Median	85th
Nov. 2010					264	25	28	28
Jun. 2011	27	10:00	52	0:00	373.5	20	22	22
Jun. 2011	25	8:00	41	18:00	310	27	28	32
Post Closure								
Jun. 2013	22	7:00	22	15:00	240.7	21.5	21.7	26.7
Jun. 2013	11	7:00	13	14:00	128.3	22.7	23.3	29.1
Oct. 2014	14	7:45	35	17:45	180	24.1	24.8	30.6
Jul. 2015	55	9:00	55	16:00	303.5	21.7	21.7	26.8
Jul. 2015	31	9:00	32	16:00	154.5	22.1	22.8	28.4
Pre Closure Avg	26.0		46.5		315.8	24.0	26.0	27.3
Post Closure Avg	26.6		31.4		201.4	22.42	22.86	28.32
Change	0.6		-15.1		-114.4	-1.6	-3.1	1.0
% Change					-36.2%	-6.6%	-12.1%	3.6%

- Key Observations
 - About 100 less vehicles/day
 - 36% reduction
 - AM Peak
 - No change
 - PM Peak
 - 15% reduction
 - Speed Impacts
 - Insignificant



Full Closure Impacts

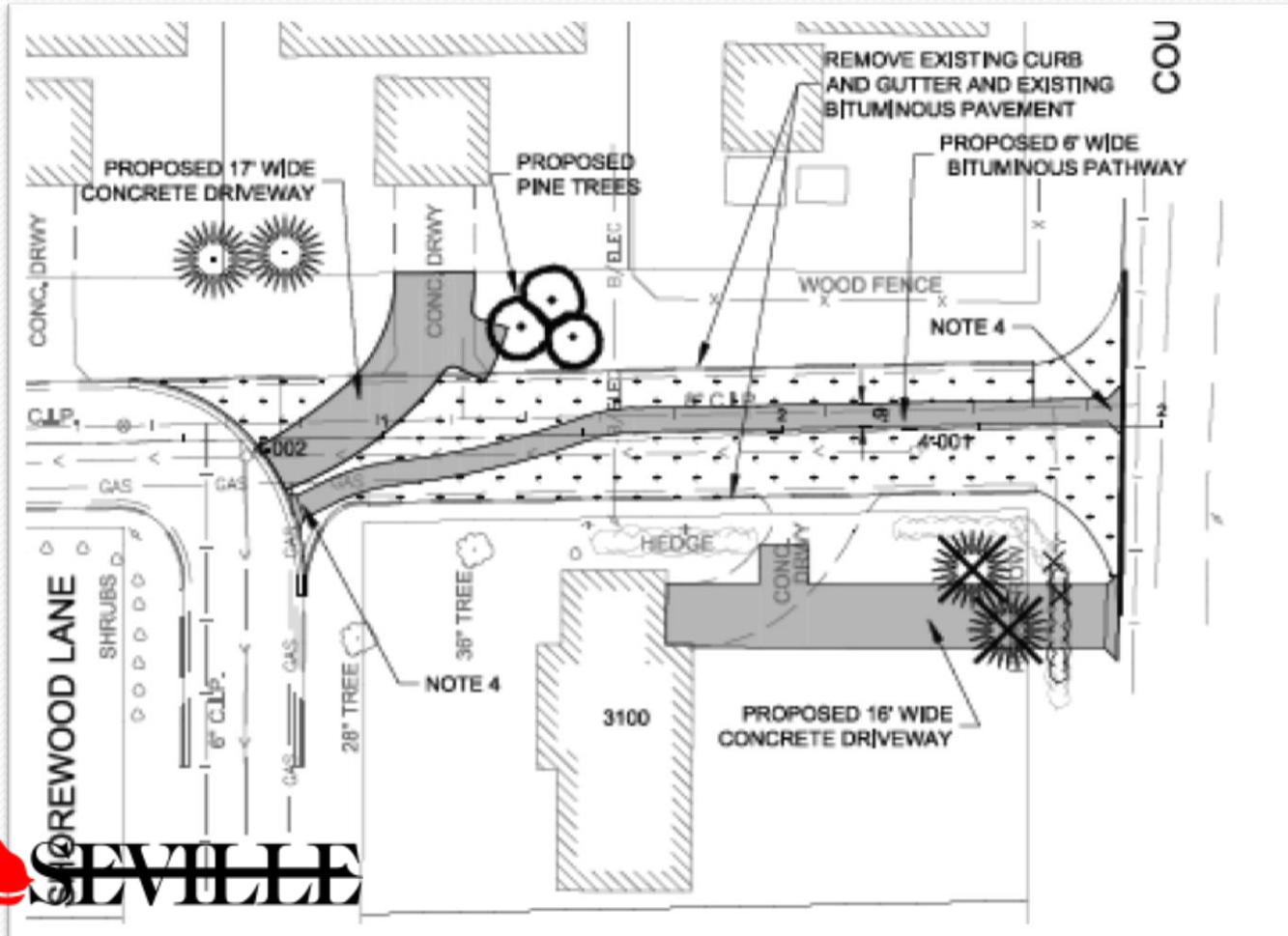
- Emergency Services
 - Police and Fire both indicated no issues with the temporary closure or possible future closure
 - Response comes from the south off Lydia
 - If response was from north, delay would be minimal (seconds)

Alternate 1 - No Build

Remove Temporary Closure

- Temporary closure is removed
- County D is reconstructed
 - Curb radius installed at intersection of Wheeler & County Rd D
- No cost to the City or residents

Alternate 2 – Full Closure Shorewood Lane– County Rd D



Alternate 2 – Full Closure

Shorewood Lane– County Rd D

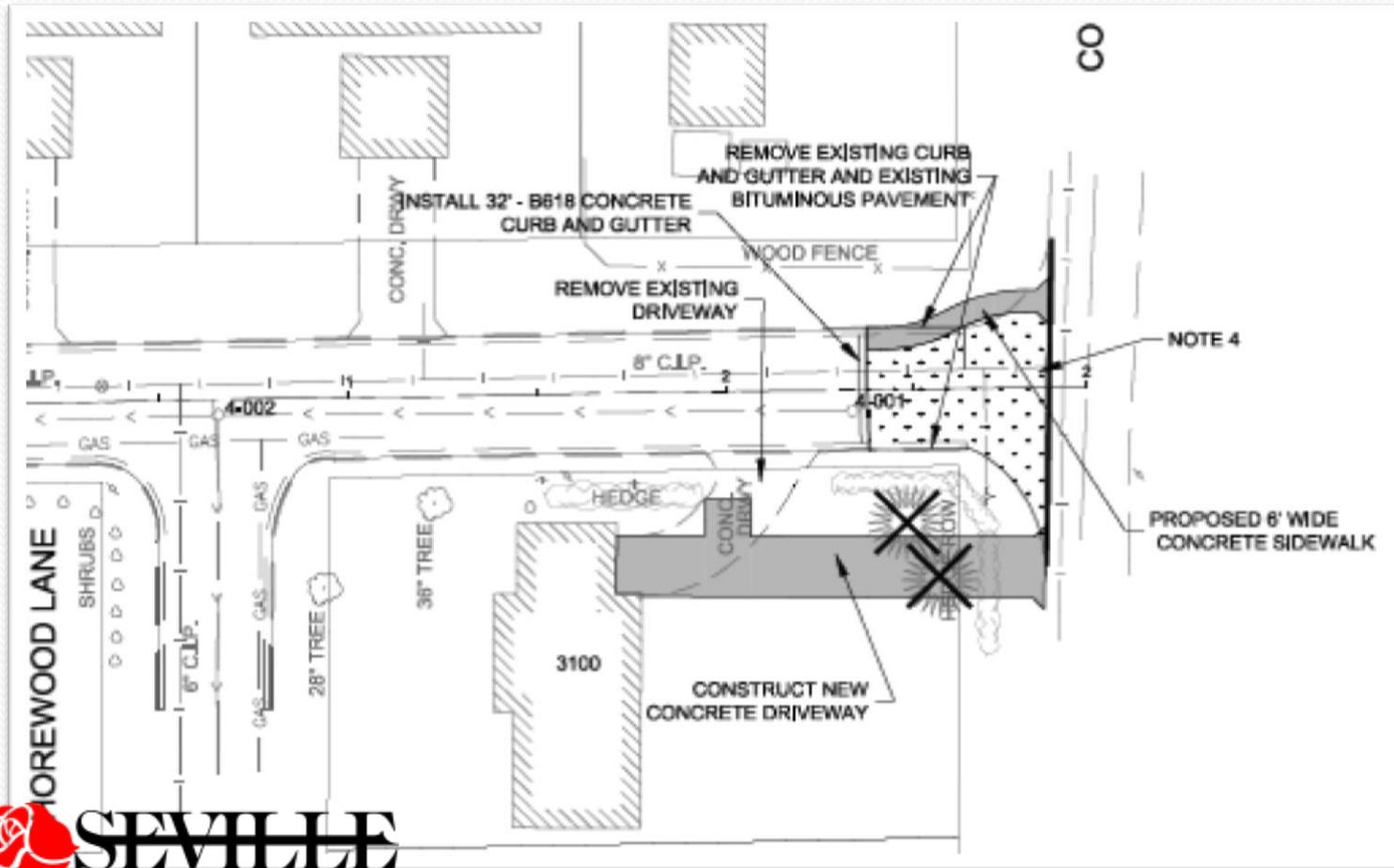
- Complete road closure to vehicles
 - Curb added at Shorewood Ln. & County Rd D
 - County D would be reconstructed with no access to Wheeler St
- Existing road and curb removed, replaced with grass
- Landscaping installed near County D to show no vehicular access
- Realignment of two driveways
- 6' bituminous pathway installed for pedestrians and bikes to use (City)



Alternate 2 – Full Closure Shorewood Ln.– County Rd D

- Costs – \$63,930
 - City/Other - \$27,780
 - 100% of Sidewalk
 - 25% of closure costs
 - Residents – \$36,150
 - 75% of closure costs
 - \$861/lot
- Impacts
 - Vehicle access to County D eliminated
 - Easy to maintain – no dead end
 - Driveways impacts mitigated
 - Highest Cost

Alternate 3 – Full Closure Short Closure at County D



Alternate 3 – Full Closure

Short Closure at County D

- County D would be reconstructed with no vehicular access to Wheeler St
 - North 50 feet of existing road and curb removed
- Landscaping installed near County D to show no vehicular access
- Realignment of one driveway
- 6' concrete pathway installed for pedestrians and bikes to use

Alternate 3 – Full Closure Short Closure at County D

- Costs – \$37,530
 - City/Other - \$16,650
 - 100% of Sidewalk
 - 25% of closure costs
 - Residents – \$20,880
 - 75% of closure costs
 - \$497/lot
- Impacts
 - No Vehicular Traffic to County D
 - One driveway impact mitigated
 - Some maintenance concerns about dead end

Estimated Cost Summary

	Alternate 1 Open	Alternate 2 Long Closure	Alternate 3 Short Closure
Total Cost	\$0	\$63,930	\$37,530
Property Owner Cost	\$0	\$36,150	\$16,650
Cost /Parcel	\$0	\$861	\$497



Estimated Assessments

- Construction cost related to the closure
- Includes 5% contingency
- Assess actual cost
 - Would be assessed after project is done
 - Can be assessed over 5 years with interest (~5%)
 - Estimated Assessments
 - \$861/Parcel Assessment
 - \$220/year or \$18.32/month
 - \$497/Parcel Assessment
 - \$127/year or \$10.57/month



Next Steps

- Staff
 - Tonight: Additional Design/Present Feasibility Report
 - Next week: Meet with Arden Hills to discuss County D
 - September: Review feedback to determine survey
 - Late September: Send out survey
 - If 65% say yes, will send to Public Works Commission
- Public Works Commission
 - Feasibility report & preliminary assessments
- City Council
 - Public Hearing for Project



If approved by Council

- Obtain bids for the project or tie with another project
- Assessment hearing prior to construction
- Assessments can be paid for up front or put on property taxes to be paid in 5 years at set interest rate

Questions & Feedback

- Thank you for coming
- Contact Jesse Freihammer with questions
 - 651-792-7042
 - Jesse.freihammer@cityofroseville.com

