

Neighborhood Speed Management Program

Town Council Study Session Presentation

Tuesday, April 16



Project Team Introductions

Town of Erie Team

David Pasic, P.E. | *Town Engineer*

Miguel Aguilar | *Senior Transportation Planner*

Jarod Ballentine | *Communications Specialist*

Chief Mathis | *Police Chief*

Consultant Team

Bill Cowern, P.E. | *Senior Associate* | Fox Tuttle Transportation Group

Margo Josephs | *Senior Project Manager* | Leadline Project Management



Presentation Agenda

1. Neighborhood Speed Management Programs (NSMP) Overview
2. Methodology and Approach to Creating Erie's NSMP
3. Proposed Structure and Components of Erie's NSMP
4. Questions and discussion with Council

NSMP Overview: Enhancing Erie's Safety & Livability



Rationale for a NSMP in Erie

Erie residents are concerned about neighborhood speeding and traffic calming is the most effective, sustainable solution. Traffic calming will enhance safety, comfort and quality of life for residents. Program is reactive but can also be used proactively through development review.

What is a Neighborhood Speed Management Program?

Comprehensive strategy and set of measures designed to “Mitigate” neighborhood traffic speed-related issues

Key components commonly include:

- ✓ Education and Outreach
- ✓ Data Collection
- ✓ Police enforcement
- ✓ Physical traffic calming
- ✓ Roadway design
- ✓ Public awareness
- ✓ Community support
- ✓ Evaluation and adaptation



What NSMPs are NOT

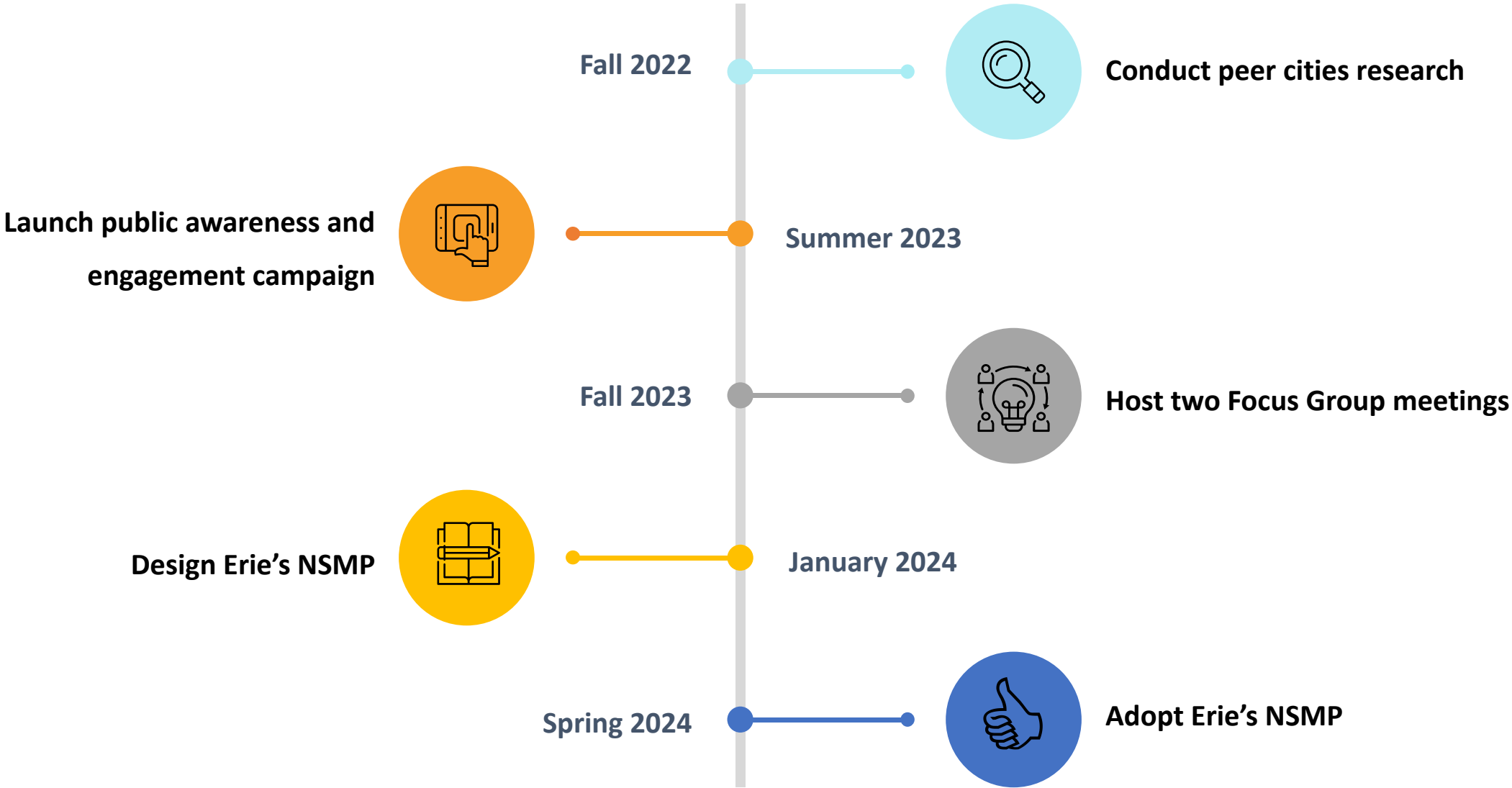
What are not successful NSMP components?

- ✗ Arterial Roadways
- ✗ Lower Speed Limits
- ✗ Adding Stop signs
- ✗ Adding Crosswalks
- ✗ Parking issues
- ✗ Road Closures
- ✗ Traffic Diversion
- ✗ Decreasing Crashes
- ✗ Photo Radar Enforcement (CO)



Process and Approach to Creating Erie's NSMP

Process for designing Erie's NSMP





Input from Peer Review Process

- Internal and external goals
- Application process
- Eligibility and/or prioritization criteria for projects
- Traffic calming tools
- Appropriate level of public process
- Leveraging internal coordination and balancing impacts to emergency response

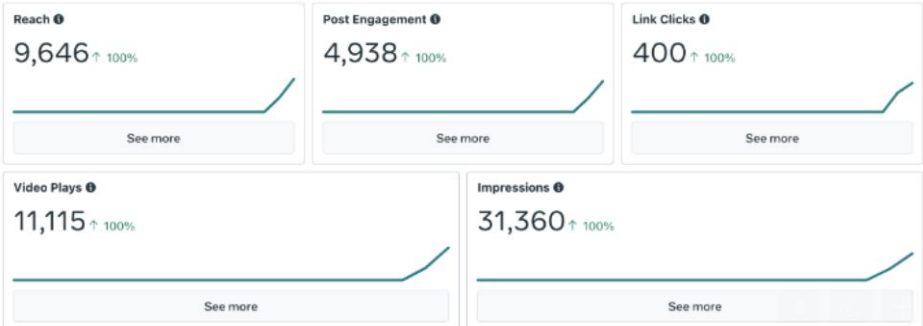
Peer Review Communities

- ◆ City and County of Denver
- ◆ Town of Superior
- ◆ City of Fort Collins
- ◆ City of Greeley
- ◆ City of Thornton
- ◆ City of Aspen
- ◆ City and County of Broomfield
- ◆ City of Lakewood
- ◆ City of Colorado Springs
- ◆ City of Davis, California
- ◆ City of Madison, Wisconsin
- ◆ City of Austin, Texas
- ◆ City of Albuquerque, New Mexico



Focus Group Recruitment & Participation

Promotion/Recruitment: [Created video](#) and used town's social media and Engage Erie website for wide outreach.



Selection: Town selected 10 residents from 20 applicants.





Focus Group Highlights

1st Meeting

- Reviewed current speed management and safety in Erie
- Discussed why communities build Speed Management Programs
- Agreed upon desire to implement a NSMP in Erie
- Obtained feedback and then solidified program goals

2nd Meeting

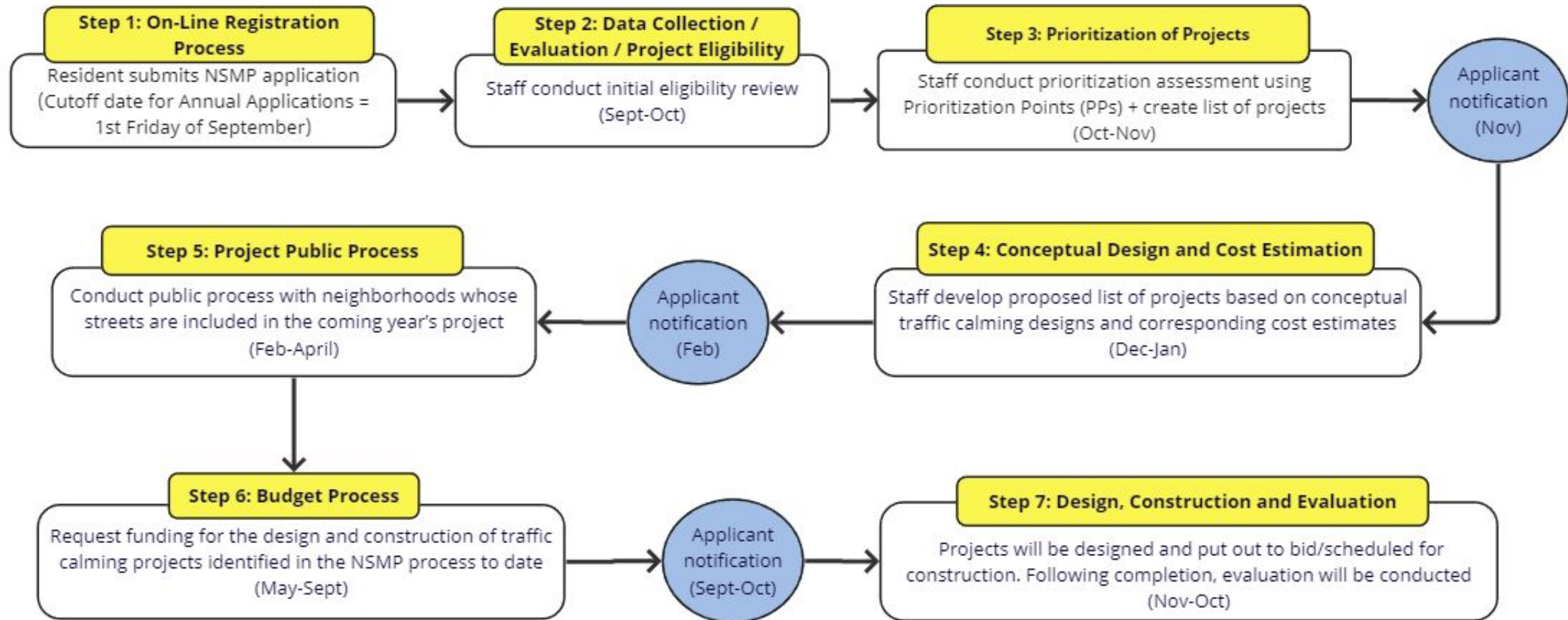
- Reviewed program policy questions (Peer Review) and received feedback on policy recommendations to finalize NSMP policy document

Proposed Structure and Components of Erie's NSMP

“External” Goals	
Speed & Safety	Streets are safe and pleasant where crashes do not occur and people do not speed
Quality of Life	People feel safe to walk across the street, to let their kids play safely in their yards, and to walk and bike through neighborhoods
Data	Erie uses data to prioritize resources
Emergency Response	Medical and fire response are prioritized so that impacts to emergency response are minimized or avoided
Community Input	Community members are involved in contributing to the policy decisions for speed mitigation in their neighborhood and the process is clear and transparent
Equity	The program is designed to encourage any Erie resident to inquire about speeding concerns and have equitable access to the program. Program priorities will be determined solely by the Town from an equity and data-driven perspective.
“Internal” Goals	
Collaborate with other city projects	There is collaboration between this program and other Town programs and projects to maximize efficiency and use of the Town's resources
Maintenance	The program will prioritize the ability to conduct effective snow removal; street operations; and general maintenance of the mitigation tools
Implementable & Scalable	The program will be implemented using the town's available resources, such as staff and budget, in a manner that can be sustained over time as the town increases in size
Prioritized Safety Funding	The program will be resourced and funded in a prioritized manner with other safety programs and initiatives of the Town of Erie



Implementation





Toolkit

Traffic Control Effectiveness
by Strategy / Treatment



TRAFFIC MANAGEMENT STRATEGY / TREATMENT	SPEED 	EMS 	BIKES & PEDS 	COST \$	OTHER IMPACTS
OTHER TOOLS					
Roundabout				\$\$\$\$\$	Drainage, Utilities, Right-of-Way
Road Diet			★	\$\$\$\$	
Speed Limit Signage				\$	
High Visibility Crosswalk				\$\$	
Signed Turned Restriction				\$	
Road Narrowing / Detached Sidewalks			★	\$\$\$\$\$	Drainage, Utilities
Forced Turn Island				\$\$\$	Drainage, Utilities
One-Way to Two-Way Street Conversion		★		\$\$\$\$\$	
Two-Way to One-Way Street Conversion				\$\$\$\$\$	
Diagonal Diverter				\$\$\$	Drainage
Median Diverter				\$\$\$	
Closure (Full or Partial)				\$\$\$\$	Legal

The cost and maintenance factors depend on materials used. Hard surfaces will have higher cost but lower maintenance. Paint and Post will have lower cost but higher maintenance.

Traffic Control Effectiveness
by Strategy / Treatment



TRAFFIC MANAGEMENT STRATEGY / TREATMENT	SPEED 	EMS 	BIKES & PEDS 	COST \$	OTHER IMPACTS
VERTICAL ELEMENTS					
Speed Hump				\$	
Speed Cushion				\$	
Raised Crossing			★	\$\$	Drainage and crosswalk considerations
Raised Intersection			★	\$\$\$\$	Drainage, Utilities, and crosswalk considerations
HORIZONTAL ELEMENTS					
Traffic Circle				\$\$	Maintenance
Curb Extension			★	\$\$ / \$\$\$	Drainage
Chicane				\$\$\$	Drainage, possible Maintenance
Choker				\$\$ / \$\$\$	Drainage, possible Maintenance
Lateral Shift				\$\$	Drainage, Utilities, possible Maintenance
Median Island			★	\$\$\$	Median Maintenance
On-Street Parking				\$\$	
Mini Roundabout				\$\$\$\$	Drainage, Utilities, Maintenance
Realigned Intersection				\$\$\$\$	Right-of-Way
VISUAL ELEMENTS					
Electronic Speed Display				\$\$	Maintenance and device failure
Striping				\$	
Roadside & Median Landscaping				\$\$\$	Median Maintenance

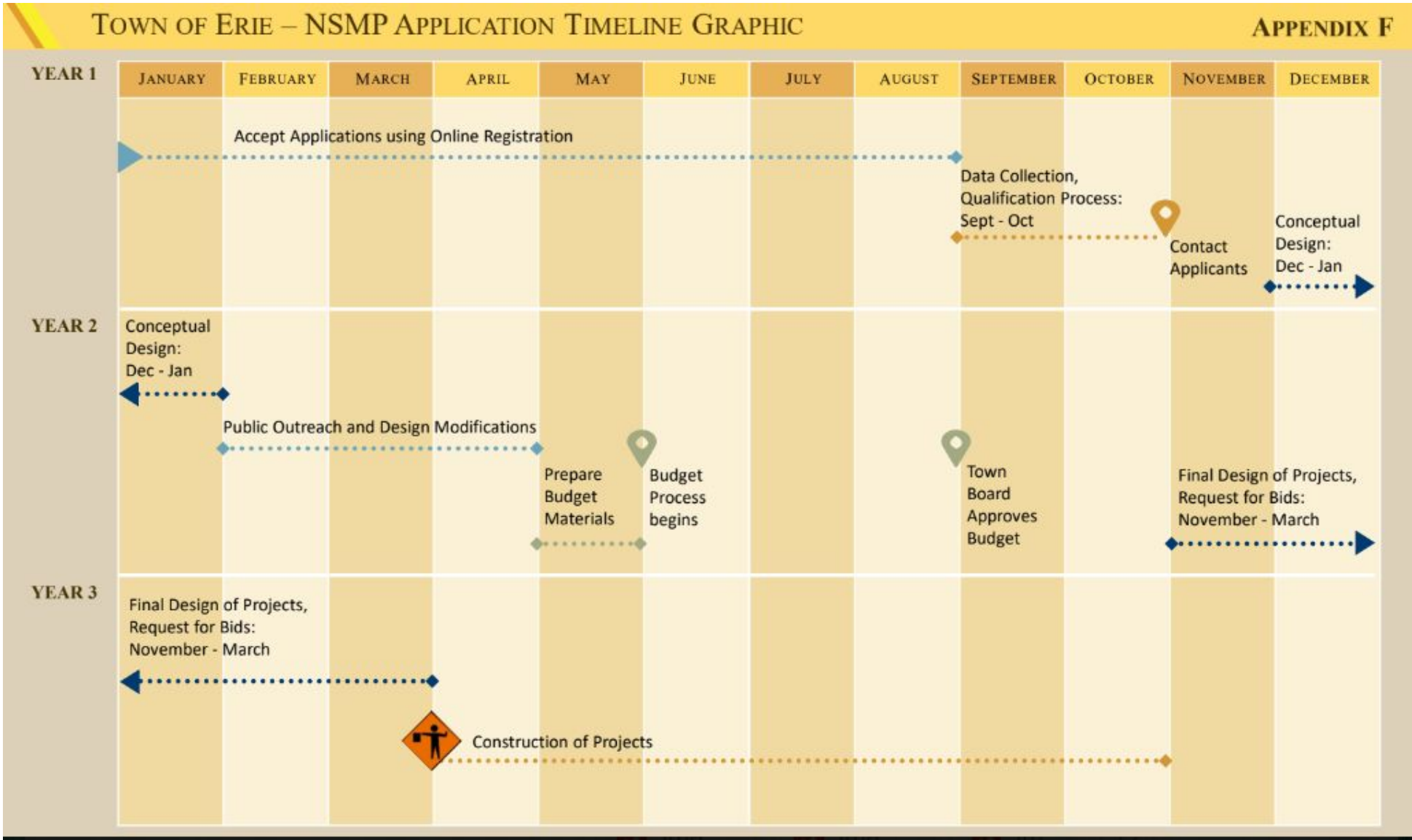


Program Funding

- Equitable Funding Source
- Growth Impact
- Developer Incentives
- Capital Projects and Grants



How will it work?



Next Steps and Questions for Council



Questions

- Do you have any questions about the policy document or our presentation?
- Are there things we need to provide when we return for program adoption?



THANK YOU!