

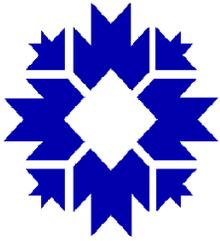
Department of Public Works

Sare Road & Rogers Road Intersection Improvement



Preliminary Public Meeting

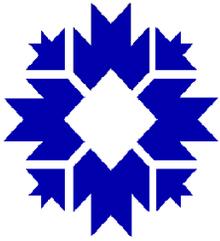
January 21, 2010



Sare Road & Rogers Road Intersection Improvements

General Project Goals

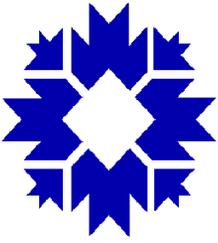
- Improve Safety at the intersection for ALL
- Improve geometry in approaches
- Improve sight conditions
- Provide pedestrian and bicycle-friendly facilities on both sides on both roads
- Complete sidewalks alongside the church property bordering Rogers Road
- Reduce traffic congestion
- Improve roadway drainage
- Address problems on bordering properties where appropriate (for example, northeast corner that holds water in yards)
- Improve another section of Sare Road



Sare Road & Rogers Road Intersection Improvements

Key Project Features

- Replace the current flashed 4-way stop intersection with a modern roundabout
- Make significant approach changes to north, east and west legs
- Correct drainage problems and lack of shoulder along Sare Rd on north approach
- Provide 8' paved sidepath on each leg of the intersection
- Provide 5' sidewalk on each leg (except the north leg to limit impacts to trees)
- Provide curb and gutter with storm sewers on all approaches in the project limits



Sare Road & Rogers Road Intersection Improvements

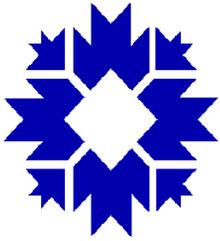
Roundabout vs. Signal

Advantages:

- Safety benefits with a dramatic reduction of personal injury accidents and fatalities
- Primarily achieved by slower speeds, elimination of left turns and the reduction of conflict points
- Traffic calming/speed control using entry deflection and radius of roundabout
- Improved vehicle flow, less delay, and therefore less fuel consumption and pollution
- Cost saving over the long run with no signal equipment, maintenance or utility costs
- Opportunities for landscaping enhancements

Disadvantages:

- Longer travel path for pedestrians, though each crossing is narrower and limited to one-way traffic
- Bigger footprint, more right of way required, bigger initial cost
- More difficult for large vehicles to navigate

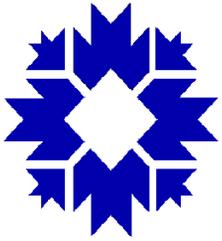


Sare Road & Rogers Road Intersection Improvements

East Leg Improvements



- Raise road leading up to the roundabout to improve sight lines and eliminate dip
- Provide area with 2% maximum slopes for ADA-compliant crossings (common to all 4)
- New Sidepath on south side, with possible future extension to Snoddy Road
- Retain sidewalk on north side
- Provide for drainage improvements on north side

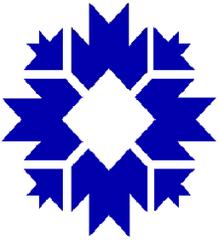


Sare Road & Rogers Road Intersection Improvements

South Leg Improvements



- **Minimal changes, mostly just lane development into the roundabout**
- **Is currently and will still be a three-lane approach**
- **Retain sidewalks, sidepath and trees to extent possible**

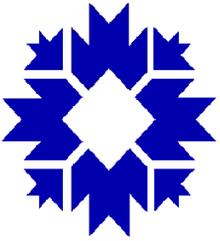


Sare Road & Rogers Road Intersection Improvements

West Leg Improvements



- Lower the road leading into the roundabout to improve sight lines and reduce down grade
- New sidepath on north side, new sidewalk on south side
- Retain existing north-side sidewalk next to walls to avoid damage and tree removal
- Provide a short protected left turn lane into Somerset
- Retaining wall likely along north side

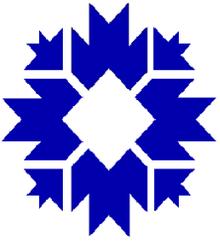


Sare Road & Rogers Road Intersection Improvements

North Leg Improvements

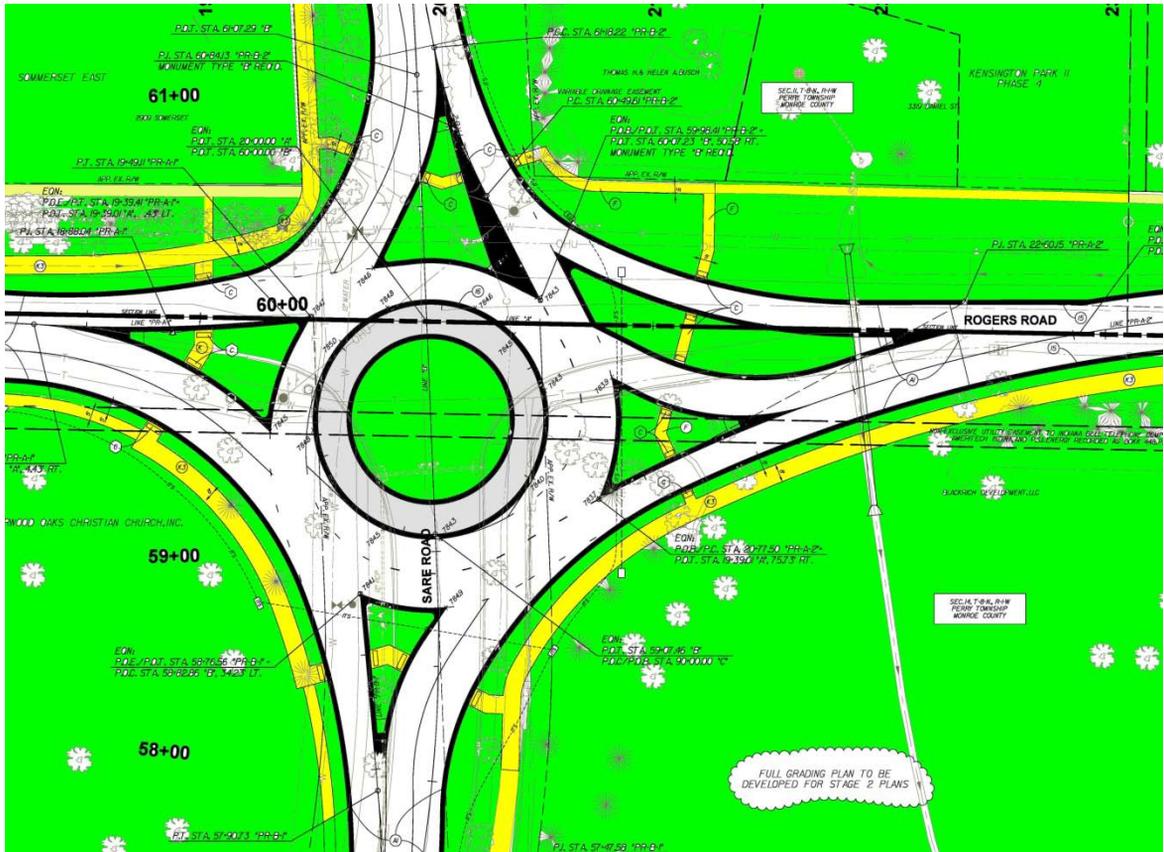


- **Raise road leading to roundabout to improve sight distances and eliminate the dip**
- **Eliminate existing edge drops, erosion along roadside with curb and gutter and storm sewers**
- **Upgrade existing sidewalk to a sidepath on west side, extended to Buttonwood Lane**
- **Remove deteriorated boardwalk and place path on embankment with culvert**

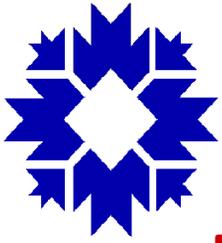


Sare Road & Rogers Road Intersection Improvements

Roundabout Improvements



- Roundabout centered south of the existing intersection to take advantage of open land and to reduce tree impacts to the north
- Dual-lane entries with single lane exits – full two-lane roundabout not needed
- Concrete apron in center for large vehicles

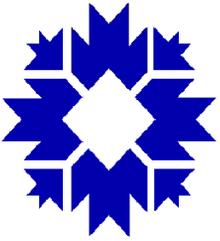


Sare Road & Rogers Road Intersection Improvements

Bike & Ped Enhancements

- **8' Sidepath on all 4 legs**
- **5' sidewalk on south, east and west legs – north leg would require greater impacts to trees**
- **Crosswalks on all 4 legs, positioned to cross a single direction of traffic each time with island refuge**
- **Existing sidewalks retained where reasonable**

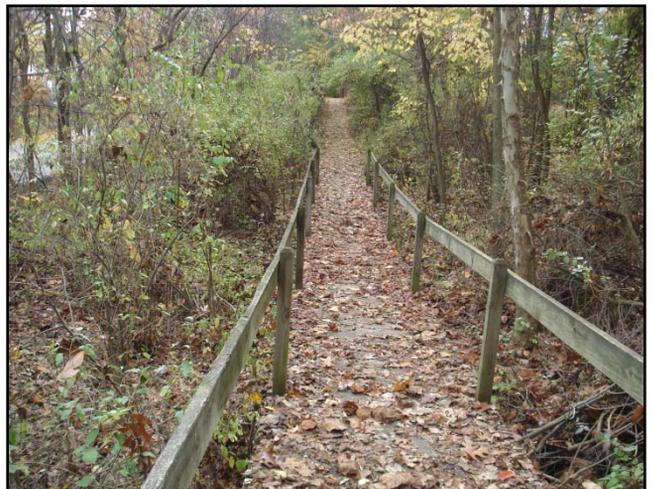


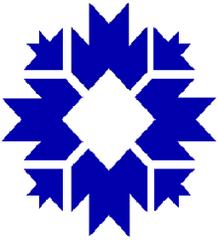


Sare Road & Rogers Road Intersection Improvements

Bike & Ped Enhancements

- **North Leg Issues:**
 - Upgrade of sidewalk and boardwalk along Sare Road to an 8' sidepath
 - Route near existing provides least impact to trees
 - Boardwalk to be eliminated because it is unnecessary and not up to current ADA/safety standards...and is falling apart

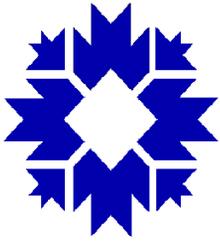




Sare Road & Rogers Road Intersection Improvements

Right of Way Impacts

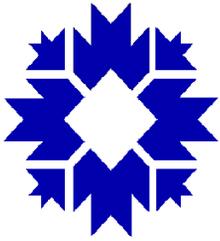
- **New permanent right of way will be needed**
- **Needs will be in the southeast and southwest corners primarily, with smaller need in northeast corner**
- **Likely some temporary right of way for slope grading and replanting, before turning the areas back over to the original owner**
- **Amounts of each not yet known with this preliminary design**



Sare Road & Rogers Road Intersection Improvements

Tree Impacts

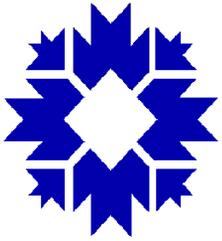
- **There will be impacts:**
 - **Near the roundabout to the north for approach widening**
 - **In the southeast corner for roundabout.**
- **Also some to provide paved sidepaths**
- **Need to preserve and improve sight distance in key areas where travelers need to see each other**
- **Tree replanting to mitigate removals (City policy in effect 2:1)**
- **Emphasis for replanting will be on areas in vicinity of tree removals, and to fill in open areas, so long as outside of sight lines**



Sare Road & Rogers Road Intersection Improvements

Approximate Project Schedule

- **Primary Design** (thru October 2010)
- **Right of Way Acquisition** (Summer 2010)
- **Final Design** (December 2010)
- **Bidding** (Spring 2011)
- **Utility Relocations** (Winter 2010-11)
- **Construction** (2011)



Sare Road & Rogers Road Intersection Improvements

Contact Information



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***We'll be happy to answer your questions
here, but please submit any comments by:
Thursday, February 11***