



Greater Ann Arbor System Reliability Project

DTE Sub-transmission – Southern Route

January 12, 2018

Agenda



Meeting Objective

Introductions

Project Overview

DTE Sub-transmission – Southern Route

ITC owns the transmission assets while DTE owns generation and distribution assets

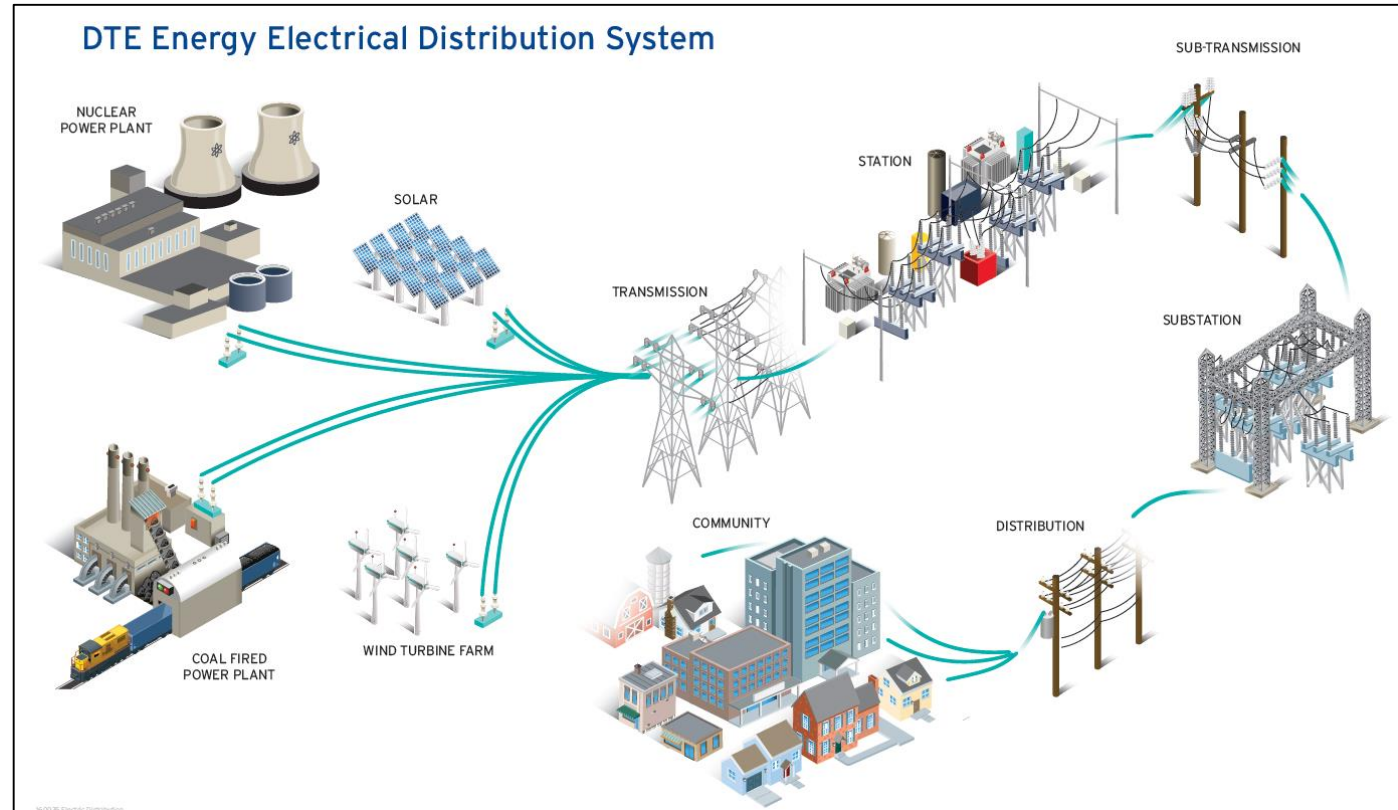


DTE Energy

- Generates power
- Operates
 - Stations
 - Sub-transmission
 - Distribution substations
 - Distribution lines

ITC

- Operates
 - Transmission substations
 - Transmission lines



All components must work together to deliver electricity to residents

DTE Energy and ITC are partnering to provide more dependable electricity in Ann Arbor



DTE Energy is planning to build two new electrical stations in Ann Arbor

- One near the intersection of Huron Parkway and Hubbard Street
- One on the south side of Ann Arbor



ITC must build new transmission lines to connect these new stations with existing DTE Energy infrastructure

After the new electrical stations are built the existing DTE 40kV sub-transmission infrastructure will be reconfigured to improve reliability



This project will reduce power outages and voltage problems for Ann Arbor residents



- DTE Energy is committed to providing reliable, high-quality electric service to all of our customers
- To help Ann Arbor maintain its competitive advantage in attracting new-economy, high-tech employers, we need to provide modern, high-quality electric infrastructure
- Some customers in the Ann Arbor area have recently experienced frequent outages
- We are addressing those localized problems with tree trimming, power pole replacement, installing new conductor and adding fuses and other pole-top equipment to minimize outage impact and duration
- The new substation and transmission projects will provide long-term improvement in reliability and power quality for all customers in the Ann Arbor area
- DTE Energy estimates the need for electricity in Ann Arbor will increase by about 67 megawatts (enough electricity for 67,000 homes) by 2020, based on development already underway
- **Once this project is completed, some Ann Arbor residents will see:**
 - **Shorter power outages**
 - **Fewer power outages**
 - **Fewer customers impacted**
 - **Fewer voltage problems**

Community Outreach To Date

2016

- Various meetings with City Administrators and Council Members to introduce the project

Q4 2016

- Mlive article published, “DTE planning major project to improve power reliability in Ann Arbor”

Q3 2017

- DTE open house to gather input on the State Substation expansion and planned Road Right of Way work for sub-transmission services

Q4 2017

- DTE open house to gather input on the new Apex Station and planned Road Right of Way work for sub-transmission services

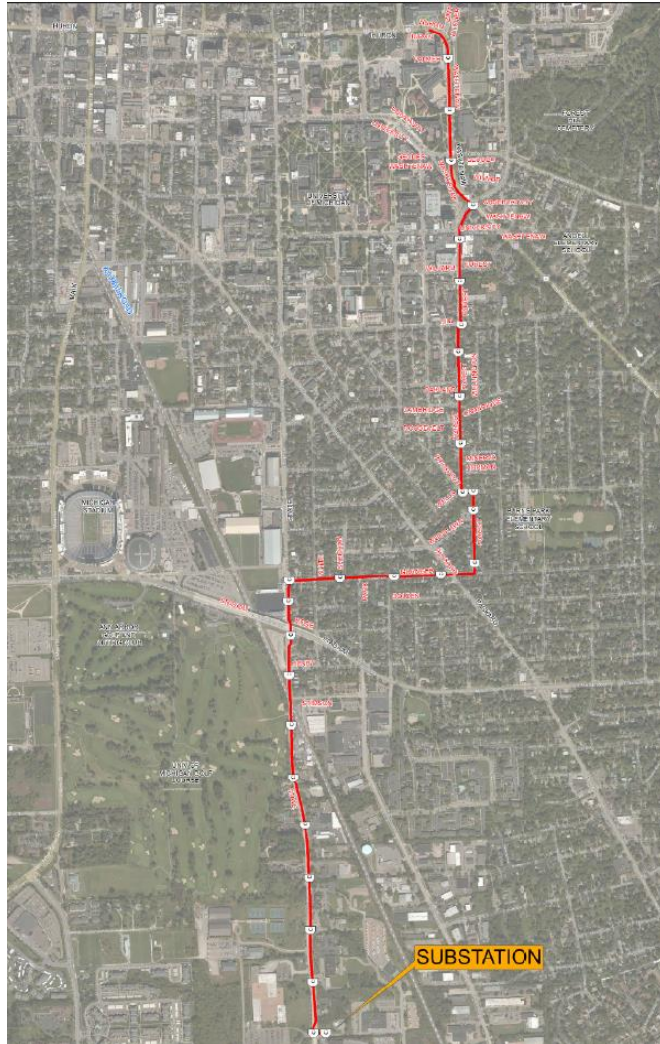
Q1 2018

- Meeting with Northeast Ann Arbor Community Coalition

2018

- On-going and periodic updates to the City of Ann Arbor, Ann Arbor Council, and other stakeholders

DTE Sub-transmission – Southern Route



Underground Route:

- North on State Street to Granger Street
- East on Granger Street to S. Forest Avenue
- North on S. Forest Avenue to Washtenaw Avenue
- North on Washtenaw Avenue to E. Huron Street

State Station Construction

- January 2018 – October 2019

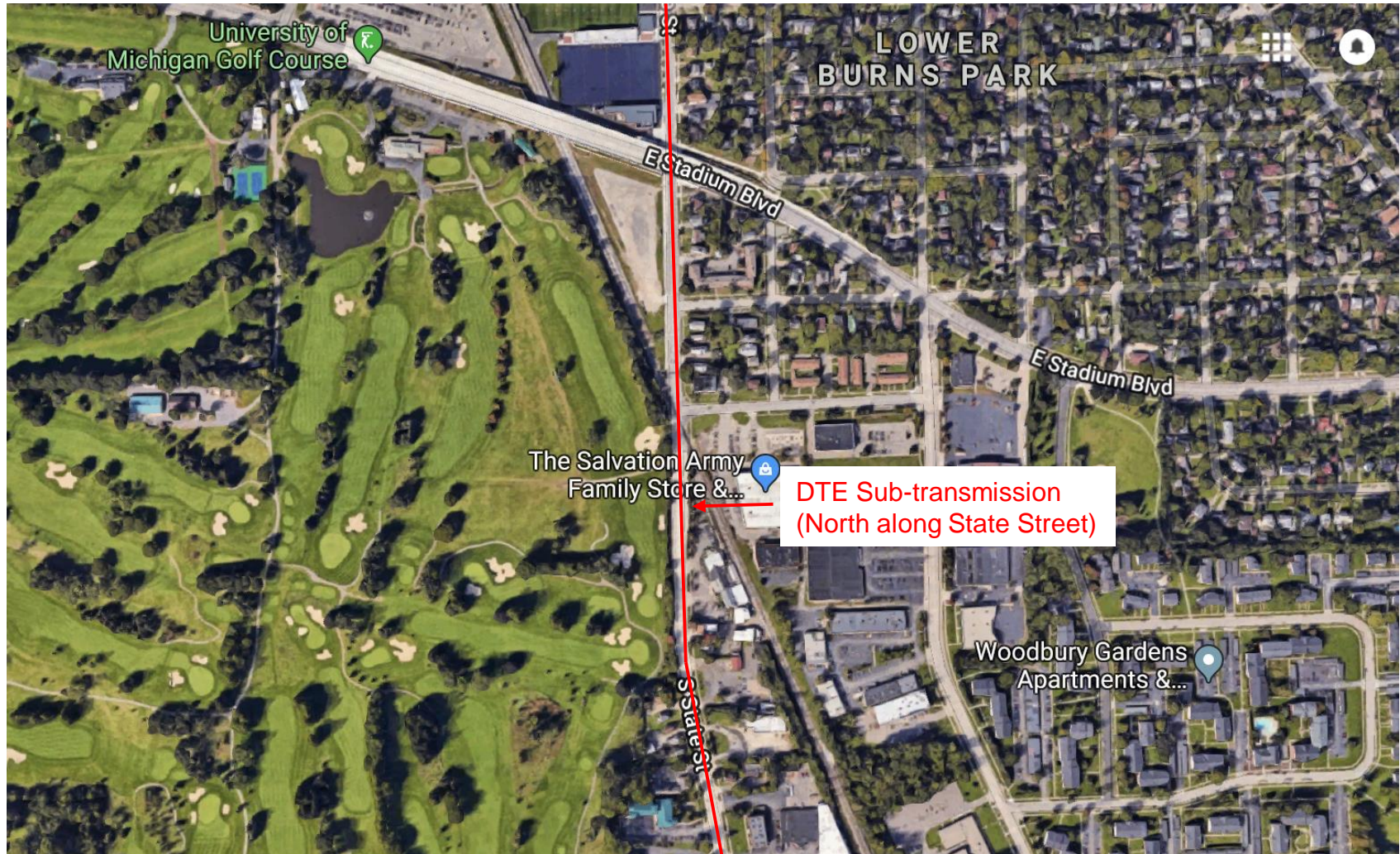
DTE Sub-Transmission Construction

- April 2018 – October 2019

DTE Sub-transmission – Southern Route



DTE Sub-transmission – Southern Route



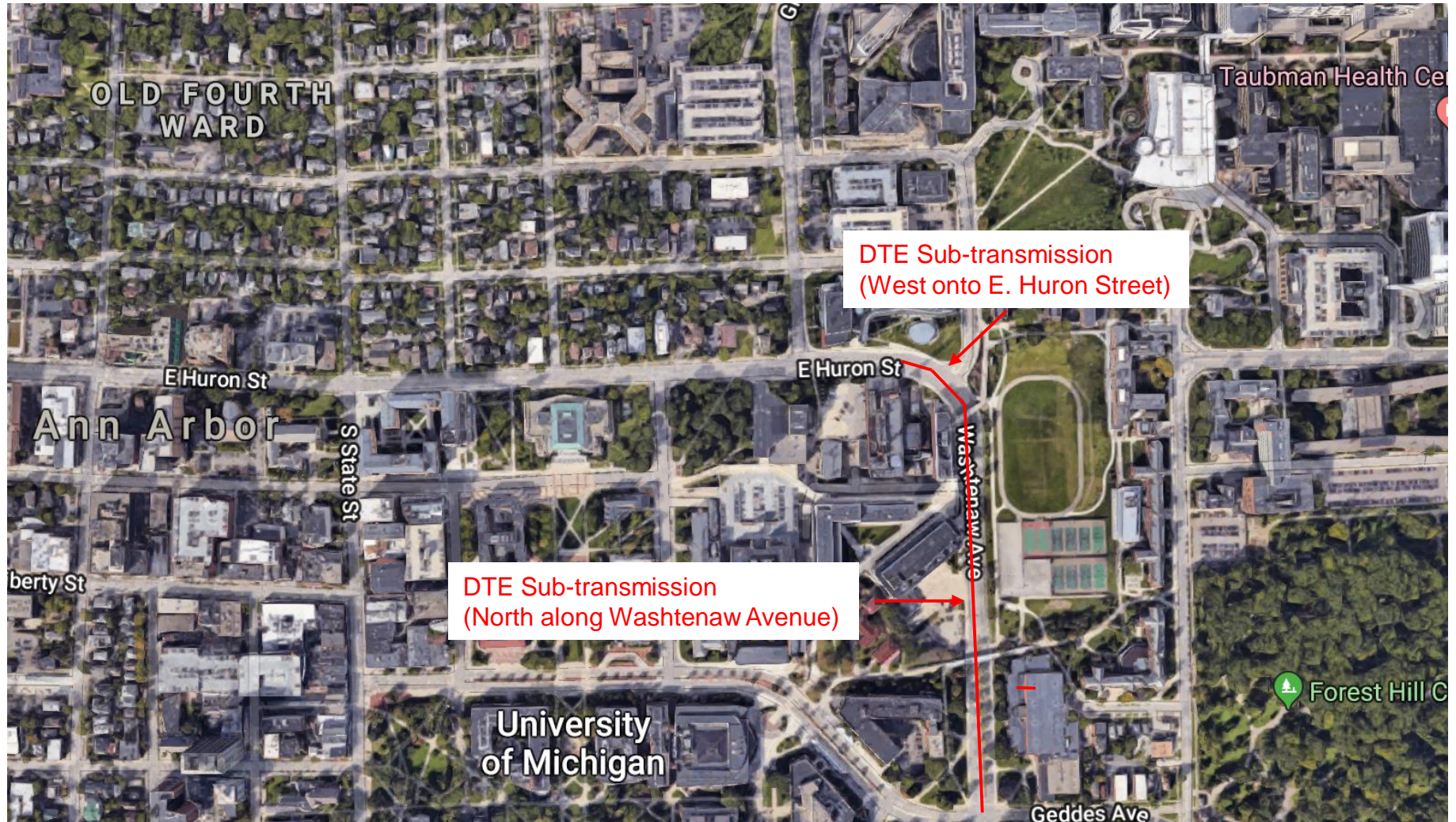
DTE Sub-transmission – Southern Route



DTE Sub-transmission – Southern Route



DTE Sub-transmission – Southern Route



DTE Sub-transmission
(West onto E. Huron Street)

DTE Sub-transmission
(North along Washtenaw Avenue)

Route Constraints, Mitigation, and Alternatives Considered



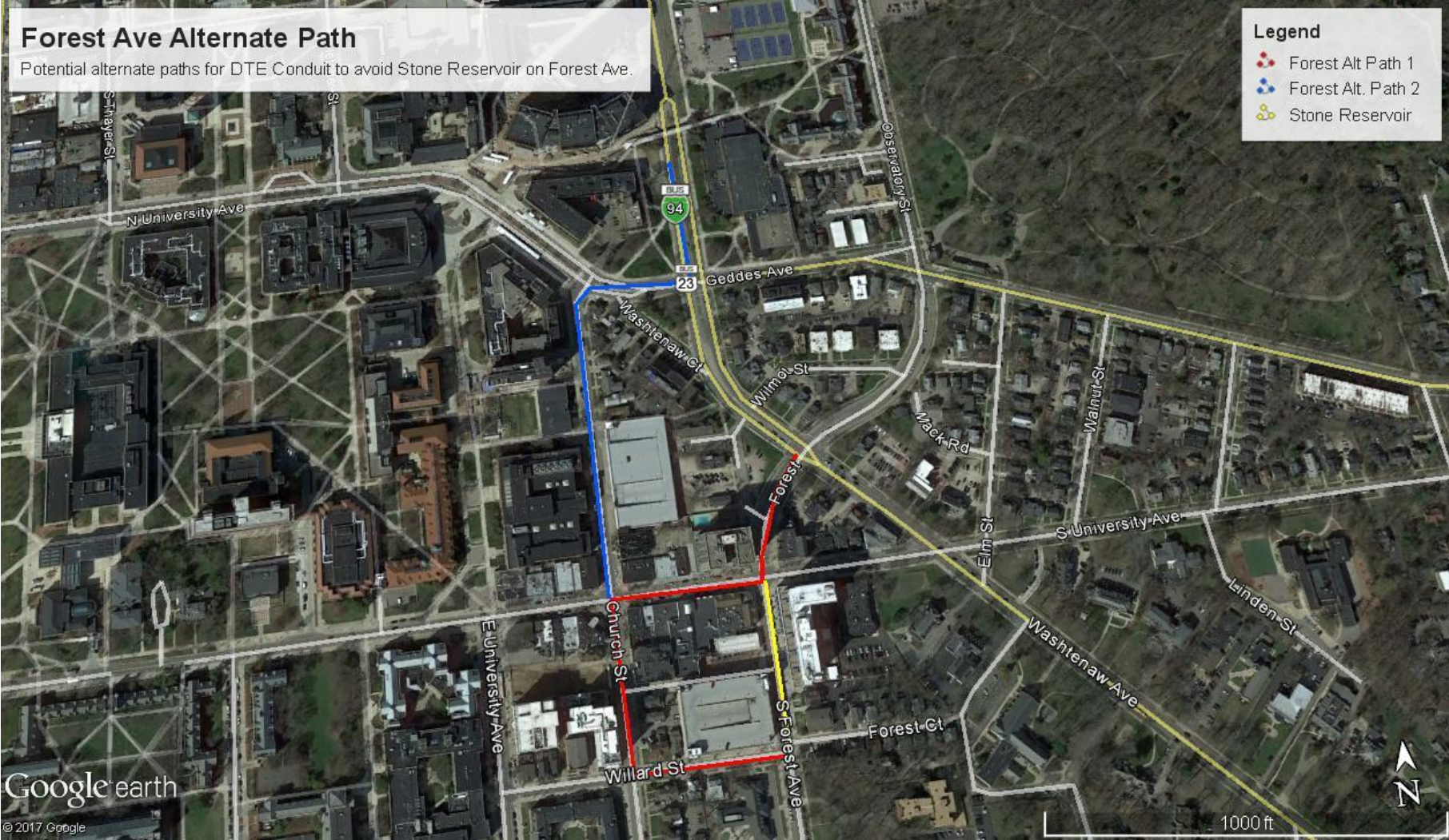
Selected Route Constraints:

- Underground Stone Reservoir between S. University and Forest Ct may be within the excavation limits of the DTE conduit system.
- Sanitary Sewer service lead location information is not available. Video of the sewage main to locate service lead locations is in progress.

Alternative Routes Considered:

- Potential Alternate Routes to avoid Stone Reservoir
 - See Google Earth Map (next slide)
 - Alternate Path #1. At Forest Ave and Willard, proceed west on Willard St. to Church St. Proceed north on Church St. to S. University. Proceed east on S. University to Forest Ave. Proceed north on Forest Ave.
 - Alternate Path #2. At Forest Ave and Willard, proceed west on Willard St. to Church St. Proceed north on Church St. to Geddes Ave (N. University Ave.). Proceed east on Geddes Ave. to Washtenaw Ave. Proceed north on Washtenaw Ave.

Alternative Routes Considered to Avoid Stone Reservoir



Managing Community Impacts

- DTE will adhere to all city and county regulatory and/or permit requirements, relative to traffic control, restoration, etc.
- Duct banks will be installed in stages along the route working to minimize the amount of pavement that will be open at any time.
- Traffic control plans will be implemented and construction sequenced along the construction route to minimize the impact to traffic flow and on property entrances in the construction areas.
- The underground construction openings will be covered at night for public safety.
- Pavement will be restored to City of Ann Arbor requirements.
- The contractor will notify residents prior to the start of work.
- Work hours will be will take into account major events needing access from major streets
- An agreement on the work at State Substation has been reached with the Ann Arbor School District to ensure bus traffic in and out of the Balas Administration Building parking area is not impeded.

Thank you for the opportunity
to review this project with the
council.