



# CITY OF ELYRIA



**Infrastructure Meeting**  
**June 22, 2022**

# Agenda

- Introduction by Mayor Frank Whitfield
- Introduction to infrastructure
- East Broad Street
- Cleveland Street
- East Side Relief Sewer
- City Resurfacing Project
- OPWC Projects
- Questions and Ideas



# Infrastructure

- What is infrastructure?
- How is it paid for?





# East Broad Street

## BACKGROUND:

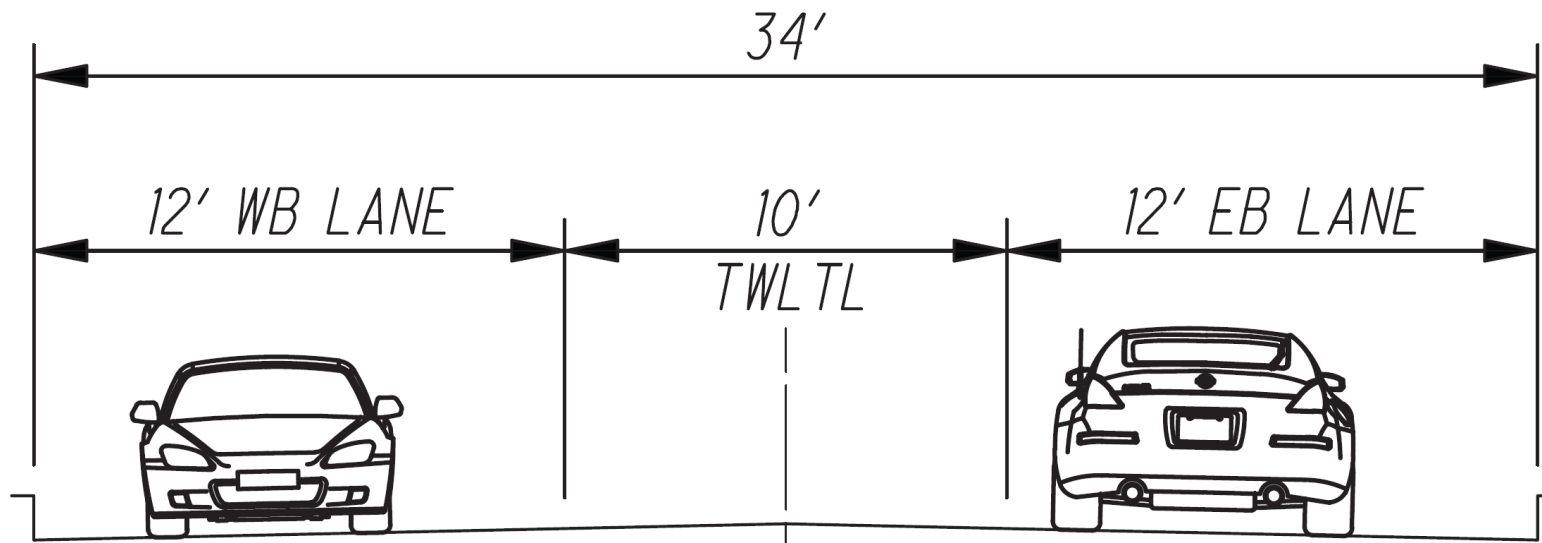
- Project limits extend from E. River Rd. to Abbe Rd. (S)
- Existing roadway has a single lane of traffic in each direction
- Traffic lights are antiquated and cycle on a preset programmed time schedule
- A safety study was completed in 2019
- ADT (Average Daily Traffic) = **10,339** vehicles per day
- **92 crashes** over a three-year period (2016-2018)
  - 48 (52%) of those crashes were rear-end related crashes



# East Broad Street

## Transportation Issues to be Corrected:

- Existing roadway is currently **TWO LANES**; proposed configuration would be **THREE LANES** including a two-way left turn lane (TWLTL)
- **Upgrade all traffic signals** to include preemption and vehicle detection
- **Improve overall rideability**, promote pedestrian travel, and improve safety

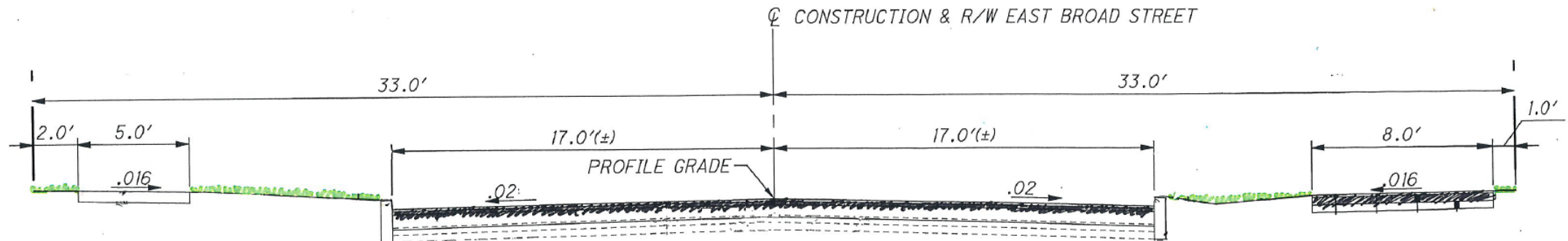
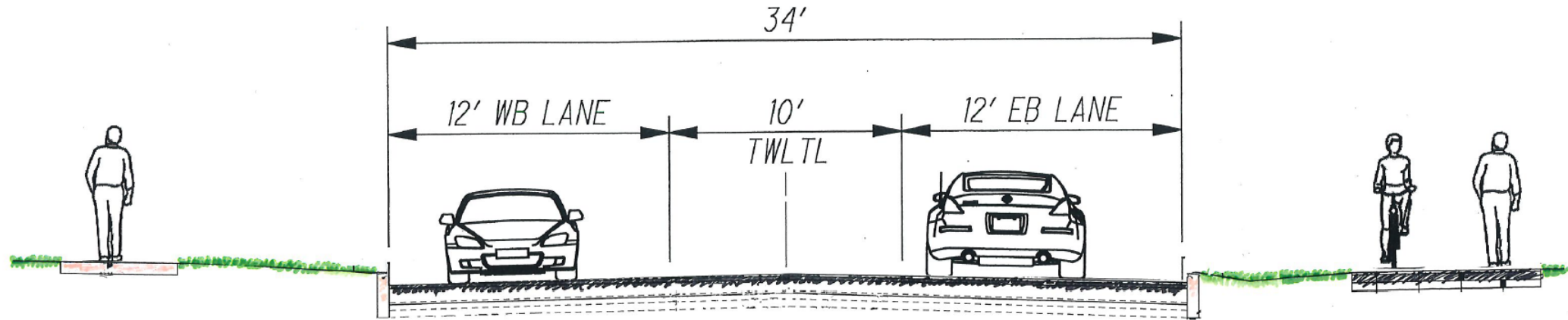


# East Broad Street

## Improvements:

- **Add third lane TWLTL**
  - Widen pavement within existing R/W
  - Reduce rear-end collisions
- **Concrete curb**
- **New asphalt pavement** (mill & fill or full-depth depending if the road is being lowered in a specific area)
- **New pavement markings**
- **Catch basins and storm sewers** for drainage where needed
- **Update signage** along corridor
- **New traffic signal systems** with mast arm poles, signal backplates, all 12-inch diameter signal lenses, pedestrian countdown signals, new vehicle detection and preemption.
- **8-foot wide multi-use path**
  - Asphalt path
  - Will replace existing sidewalk on the south side of E Broad. Additional width will be added to the street side of the sidewalk.
  - No property takes required
- **Concrete drive approaches**
- **ADA compliant curb ramps** at intersection

# East Broad Street



# East Broad Street

## Schedule



- Bid and award: **As soon as August 2022** (waiting for federal authorization)
- Construction completion: **July 2024**
- A meeting will be held for the residents/businesses after a contractor is on board



# East Broad Street

## Cost:

- City has received approx. \$8.3 Million in Federal Funds (NOACA & ODOT Safety)



# Cleveland Street

## BACKGROUND:

- Project limits include Cleveland St from Hawthorne to E. Bridge, E. Bridge St from Cleveland to Broad and Broad St from E. Bridge St. to Cedar St.
- Existing roadway has 2 through lanes in each direction
- Traffic lights are antiquated and cycle on a preset programmed time schedule
- A safety study was completed in 2019
- ADT (Average Daily Traffic) = **10,460** vehicles per day
- **100 crashes** over a three-year period (2015-2017)





# Cleveland Street

## Transportation Issues to be Corrected:

- **Road Diet** – Convert four-lane road to three lanes with the center lane being a two way left turn lane and on street bike lane
- **Upgrade all traffic signals** to include preemption and vehicle detection
- **Improve overall rideability**, promote pedestrian travel, and improve safety



# Cleveland Street

## Improvements:

- **Road Diet**
  - Decrease to three lanes with third lane being a Two-Way Left-Turn Lane (TWLTL)
  - Continue three lanes where ODOT ended their project at Hawthorne St.
- **Concrete curb**
- **New asphalt pavement** (mill & fill)
- **New pavement markings**
- **Update signage** along corridor
- **New traffic signal systems** with mast arm poles, signal backplates, all 12-inch diameter signal lenses, pedestrian countdown signals, new vehicle detection and preemption.
- **Bike Lanes on Street**
  - Width will vary
- **Sidewalk repairs** along new curb areas
- **Concrete drive approaches**
- **ADA compliant curb ramps** at intersection

# Cleveland Street

## Schedule



- Bid and award: **Early 2023**
- Construction completion: **November 2024**
- A meeting will be held for the residents/businesses after a contractor is on board

# Cleveland Street

## Cost:

- City has received approx. \$5.3 Million in Federal Funds (NOACA & ODOT Safety)





# East Side Relief Sewer Phase 1D & 2 North

## PURPOSE

- **This relief sewer will convey wet weather flows from various locations in Elyria** where wet weather overflows are located and wet weather basement back-ups have historically occurred due to surcharged sewers.
- **When completed, the ESRS will ultimately result in the reduction of overflows by up to 48 million gallons in the typical year.** This project is included in the City of Elyria's proposed Consolidated SSO/CSO/WWPCP Wet Weather Plan (the "Plan") and is a central part of the City's plan for controlling sewer overflows on the east side of Elyria.
- **Phase 1D & 2N will be the 6<sup>th</sup> Phase in a multi-phased approach** to the construction of the East Side Relief Sewer which started at the Wastewater Treatment Plant on Gulf Road and will end on Miami Ave in the Eastern Heights neighborhood.

# East Side Relief Sewer Phase 1D & 2 North

Phase 1D & 2N will install approximately 8,840 feet of 66-inch to 78-inch relief sewer on Poplar, Harwood, Dilworth, Gulf and East Bridge Street. Work will begin on East Bridge Street to accommodate the proposed Cleveland Street Improvements project, then construction will jump back to Poplar Street where work left off at Longfellow.



# East Side Relief Sewer Phase 1D & 2 North

## Improvements:

- **Poplar Street**

- Continue installing 78", then 72" and 66" relief sewer to Harwood
- Replace the sanitary sewer
- Restore the pavement with new curb & gutter and asphalt pavement
- New curb and resurfacing along Elyria Catholic to Gulf Rd

- **Harwood**

- Continue installing 66" relief sewer to Harwood
- Restore the pavement with new curb & gutter and asphalt pavement

- **Dilworth Street**

- Continue installing 66" relief sewer to Gulf
- Replace the sanitary sewer
- Replace the watermain
- Restore the pavement with new curb & gutter and asphalt pavement

- **Gulf Road**

- Continue installing 66" relief sewer to East Bridge Street
- Restore the pavement on the east side with new curb and asphalt pavement



# East Side Relief Sewer Phase 1D & 2 North

## Improvements (cont...):

- **East Bridge Street**
  - Continue installing 66" relief sewer to the railroad
  - Build a diversion structure at the storm sewer crossing by Smitty's
  - Restore curb and pavement prior to Cleveland Street work beginning

**Project will stop at the railroad tracks. The next phase will get the sewer to the other side of the tracks with a bore.**



# East Side Relief Sewer Phase 1D & 2 North

## Schedule



- Bid and award: **August 2022?**
- Construction completion:  
**December 2023**
- A meeting will be held for the residents after a contractor is on board

# East Side Relief Sewer Phase 1D & 2 North

## Cost:

- Approximately \$20,000,000
- Project will be funded through Wastewater Funds (Loan through Ohio EPA)





# City Street Resurfacing

## BACKGROUND:

- **Last year, work City Resurfacing started in October** and pushed the envelope with weather. This year, City Council took steps to begin the street selection process earlier in the year, allowing the resurfacing projects to go out to bid and get awarded in time to start work in the summer





# City Street Resurfacing

## BACKGROUND:



- **Council members need to hear from their Ward residents on what streets they want to see resurfaced.** There's only a limited amount of funds available, so not all requests can be fulfilled. But, given two streets in the same condition, the street that has residents requesting it to be improved will likely be the one that is selected.

# City Street Resurfacing

## **PHASE I:**

### **Asphalt Mill & Fill**

- **Start Date:** Tentative Week of July 5<sup>th</sup>
- **Start Location:** North end of the City
- **Completion:** Before school starts
- **Contractor:** Karvo Companies

## **PHASE II:**

### **Concrete repairs to existing concrete streets**

- **Start date:** TBD
- **Start Location:** TBD
- **Completion:** By Labor Day
- **Contractor:** D. L. Smith Concrete

# City Street Resurfacing

## Cost:

- Approximately \$1,600,000
- Issue 6 Funds



# Ohio Public Works Commission Projects

**Projects are funded with Grant monies and a portion being City matching funds**

- **Burns Road Resurfacing (Abbe to Gulf)**
  - Work in progress
  - To be completed by 4<sup>th</sup> of July
- **Fuller Road Resurfacing and Culvert Replacement (Middle to City Limit)**
  - Contract is in the process of being awarded.
  - Includes a walkway crossing the ditch east of Scott Ct
  - Project will take place in Fall 2022 and may stretch into 2023 depending on materials supply
- **2<sup>nd</sup> & Cedar Street Resurfacing (Broad to East Ave)**
  - Project is out to bid now
  - Work to take place as soon as Contractor can get it scheduled
- **Oberlin Elyria Road Resurfacing (Middle to City Limits)**
  - Watermain is currently being replaced
  - Project to be bid in July with resurfacing taking place in 2022
- **West Ave Resurfacing (Barres to 8<sup>th</sup> Street)**
  - Project to be bid in July with resurfacing taking place in 2022



# City of Elyria Infrastructure

- Ideas?
- Questions?

Email [engineering@cityofelyria.org](mailto:engineering@cityofelyria.org)