

# UK Trunk Sewer Replacement Bolivar / Winslow / Euclid

## Construction Overview

October 22, 2019









**LEXINGTON**


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LFUCG – Division of Water Quality*

## UK Trunk Sewer Replacement Overview




Date: 8/1/2019

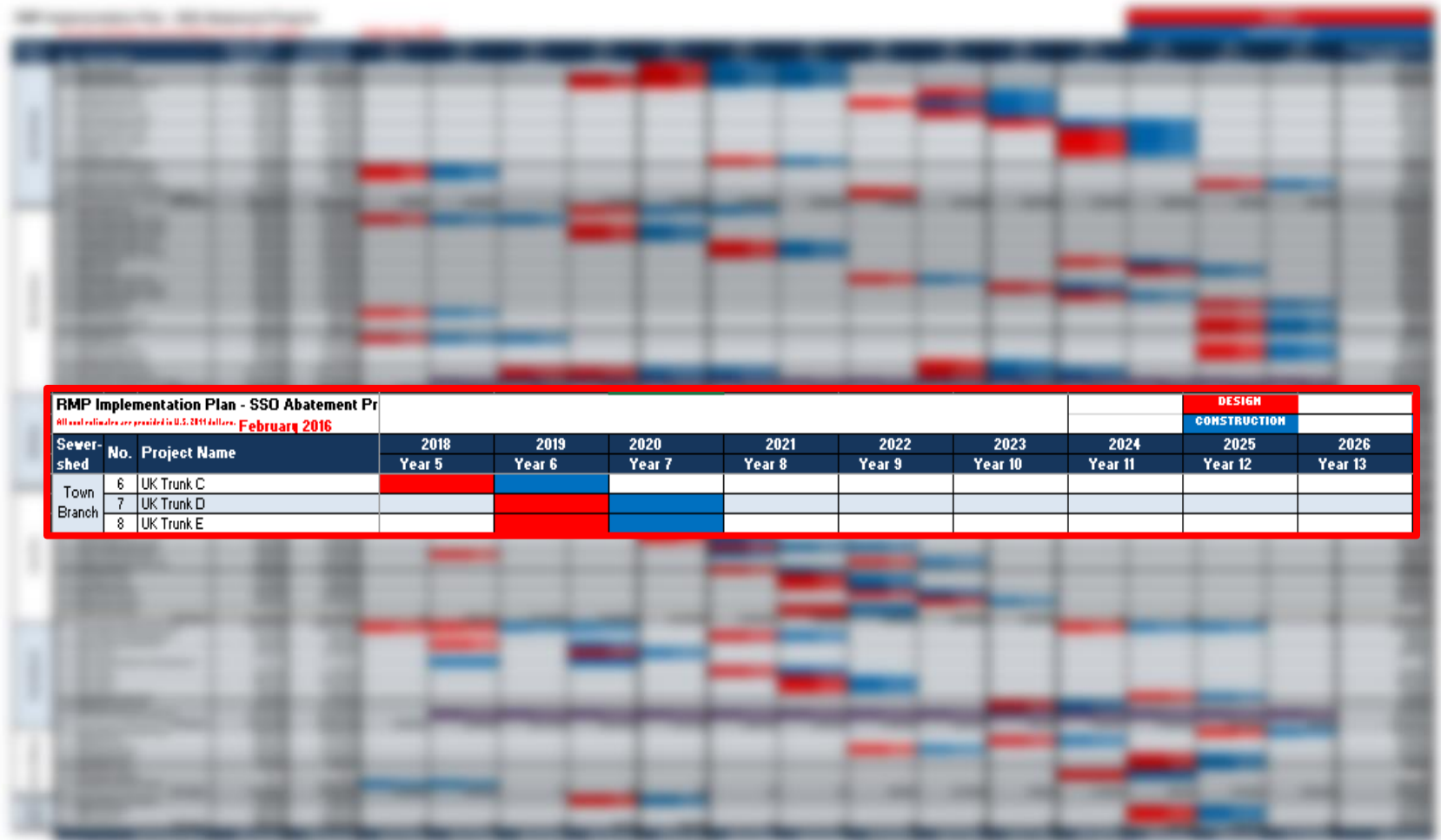
UK Trunk C, D and E Overview	
 Existing Sewer	 UK Trunk C
 Major Roads	 UK Trunk D
 Streets	 UK Trunk E



1 inch = 600 feet

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## Consent Decree Required Schedule



RMP Implementation Plan - SSO Abatement Pr										
All cost estimates are provided in U.S. 2011 dollars. February 2016										
Sewer-shed	No.	Project Name	2018	2019	2020	2021	2022	2023	2024	DESIGN
			Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
Town Branch	6	UK Trunk C								
	7	UK Trunk D								
	8	UK Trunk E								

## Existing UK Trunk Sewer

- Constructed in 1934 as the 'Southern District Relief Sewer'
- Sewers located:
  - Under UK Performing Arts Building
  - Under several houses





## Existing UK Trunk Sewer

- Sewer is 85 years old
- Sewer is broken
- Sewer is inaccessible

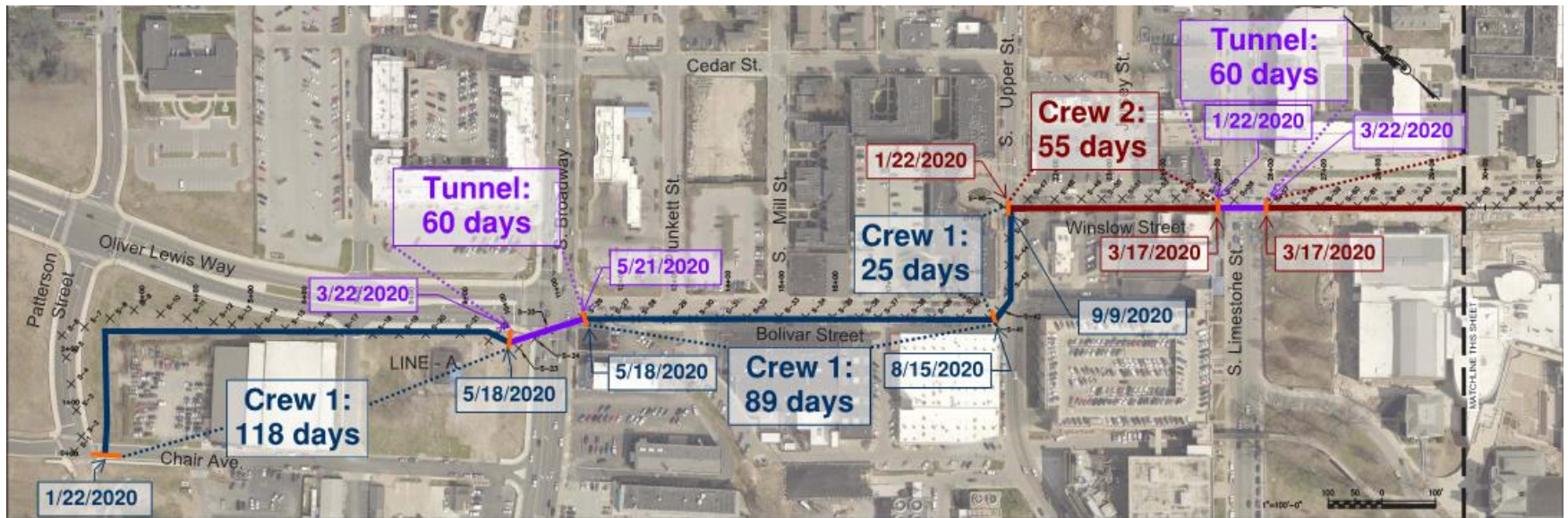




## Two Crew Projected Overview

- Projections for construction of a 2 mile sewer:
  - Anticipated 5 day work week
  - Anticipated 2 crew minimum
  - Estimated 12 feet per day production
  - Anticipated start date of January 22, 2020

## Two Crew Projected Overview



## Two Crew Projected Overview







## Two Crew Projected Overview



## Two Crew Projected Overview



## Segment 1 – Bore under Limestone Steet

Start	Finish
1/22/2020	3/22/2020

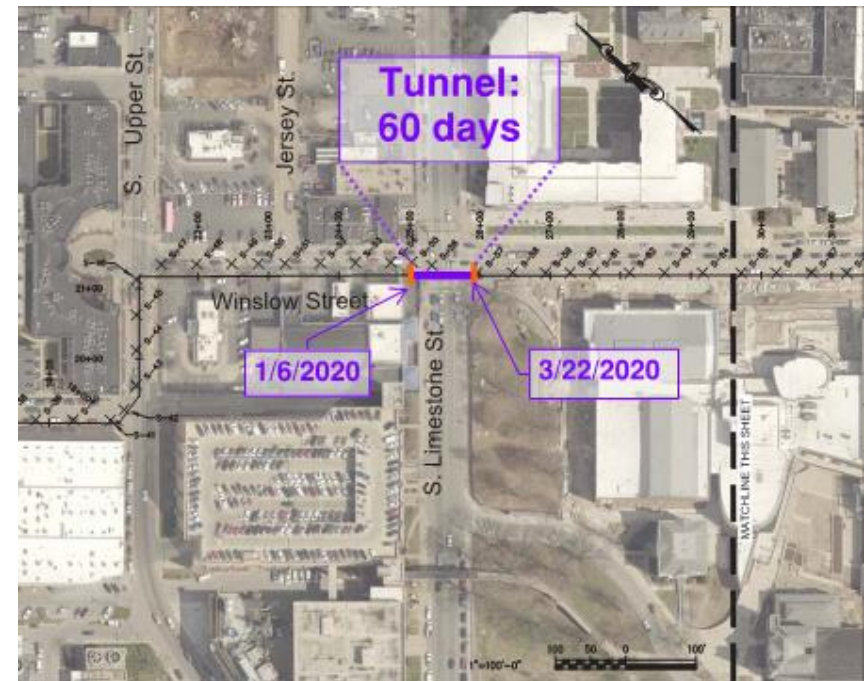
### Traffic Impact

#### Winslow Street

- One Lane Traffic
- Left Lane & South Sidewalk Closed

#### Avenue of Champions

- One Way Traffic (towards Winslow)
- Southbound Lane & Sidewalk Closed



## Segment 2 – Patterson St. to S. Broadway

Start	Finish
1/22/2020	5/18/2020

### Traffic Impact

#### Chair Avenue

- Limited Road Closures

#### Emmaline Lane

- Limited Road Closures



## Segment 3 – Winslow Street

Start	Finish
1/22/2020	3/17/2020

**Traffic Impact**

Winslow Street

- One Lane Traffic
- Left Lane & Sidewalk Closed



## Segment 4 – Bore under S. Broadway

Start	Finish
3/22/2020	5/21/2020

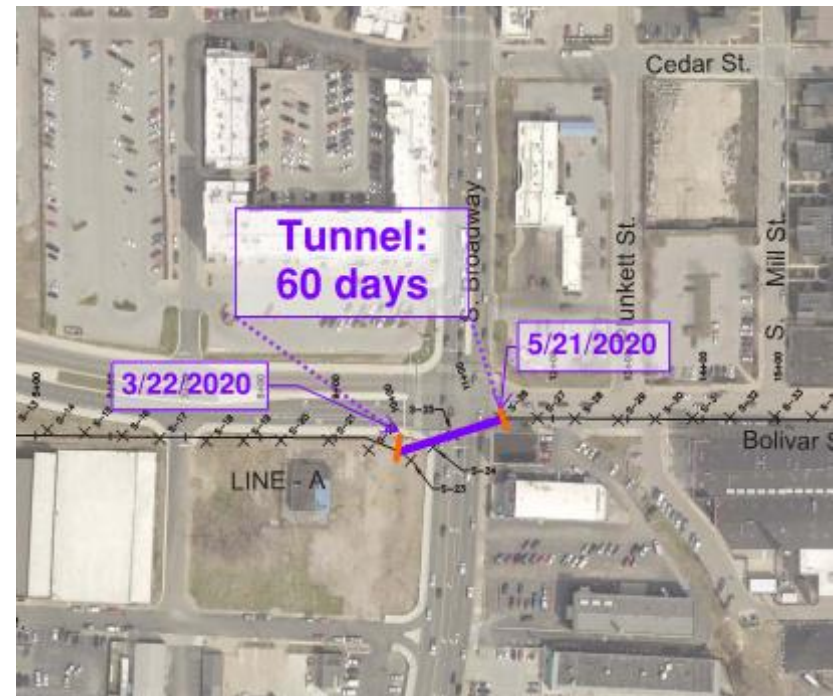
### Traffic Impact

#### Oliver Lewis Way

- Lanes Closed to force left or right turn only

#### Bolivar Street

- One way traffic (towards Oliver Lewis Way)
- Lane Closed
- South Sidewalk Closed





## Segment 5 – Bolivar Street

Start	Finish
5/18/2020	8/15/2020

### Traffic Impact

#### Bolivar Street

- One Way Traffic (towards Oliver Lewis Way)
- Left Lane Closed
- Southside Sidewalk Closed



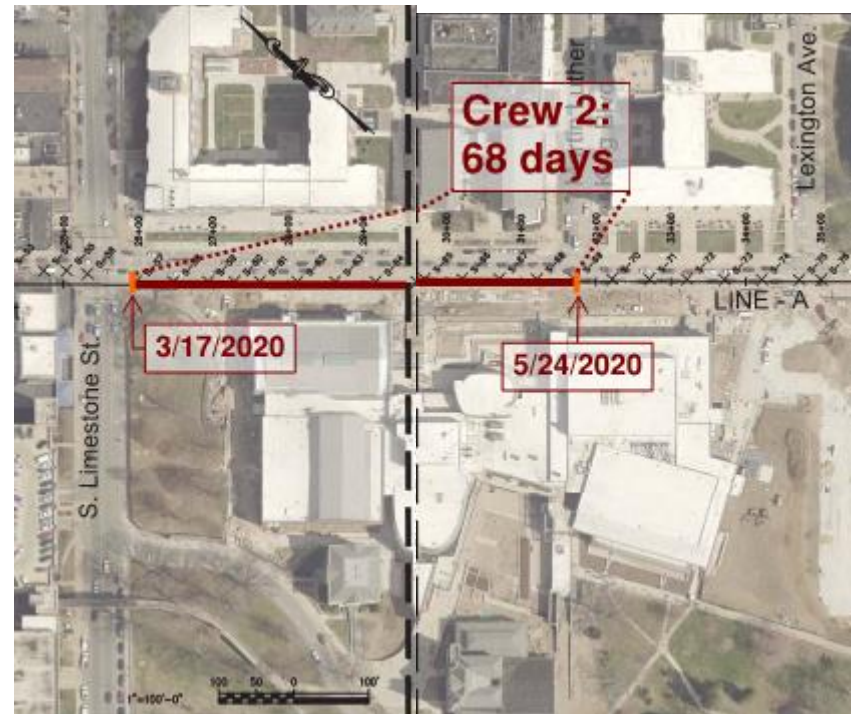
## Segment 6 – Avenue of Champions

Start	Finish
3/17/2020	5/24/2020

### Traffic Impact

#### Avenue of Champions

- One Way Traffic (towards Limestone)
- Rolling Southbound Lane & Sidewalk Closures





## Segment 7 – South Upper Street

Start	Finish
8/15/2020	9/9/2020

### Traffic Impact

#### S. Upper Street

- One Lane Traffic
- Right Lane Closed

#### Bolivar Street

- Limited Lane Closures for first 50 ft.
- Left Lane Impacted



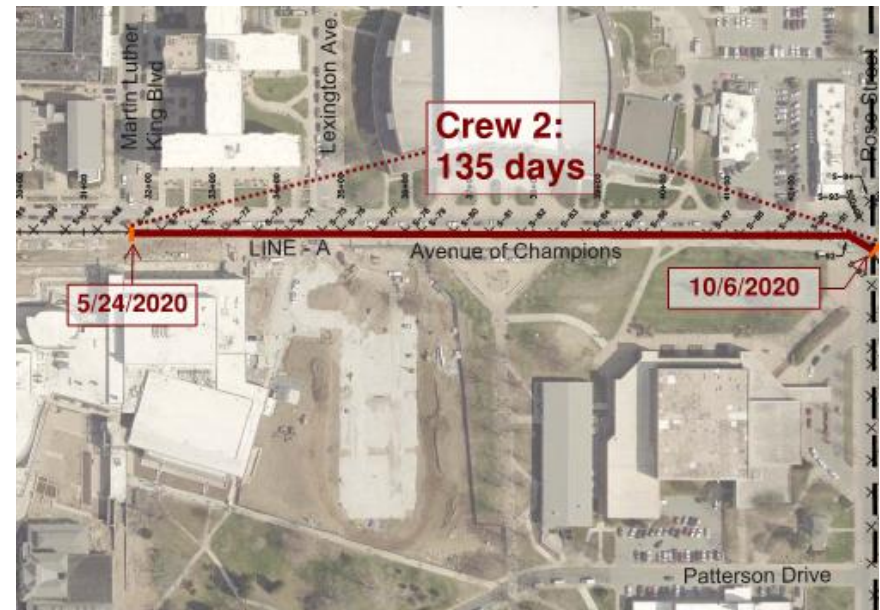
## Segment 8 – Avenue of Champions

Start	Finish
5/24/2020	10/6/2020

### Traffic Impact

#### Avenue of Champions

- One Way Traffic (towards Limestone)
- Rolling Southbound Lane & Sidewalk Closures



## Segment 9 – Euclid Ave.

Start	Finish
9/9/2020	3/17/2021

### Traffic Impact

#### Euclid Avenue

- Southbound Lane Closed
- Center Turn Lane to be utilized for Southbound traffic
- Maintain two way traffic at all times



## Segment 10 – Euclid Ave.

Start	Finish
3/17/2021	8/30/2021

### Traffic Impact

Euclid Avenue – Woodland Avenue to Kentucky Court

- Center Turn Lane Closed
- Maintain two way traffic at all times

Euclid Avenue – Kentucky Court to Marquis Avenue

- Southbound Lane Closed
- Center Turn Lane to be utilized for Southbound traffic
- Maintain two way traffic at all times



## Segment 11 – Euclid Ave.

Start	Finish <sup>8</sup>
8/30/2021	1/21/2022

### Traffic Impact

#### Euclid Avenue – Marquis to High Street

- Southbound Lane Closed
- Center Turn Lane to be utilized for Southbound traffic
- Maintain two way traffic at all times

#### High Street

- Southbound Lane Closed
- Center Turn Lane to be utilized for Southbound traffic
- Maintain two way traffic at all times





## Project Details

- Projected Completion Date
  - January 21, 2022
  - Blackout Dates Likely
- Risks
  - Traffic impacts
  - Pedestrian impacts
  - Effective Communication
- Bid Opening - today



## QUESTIONS