

**TRAFFIC HANDLING AND CONSTRUCTION SEQUENCING**

Phase 1 Major Construction Items

1. Construct storm sewer RCB from SW corner of 13th and Hydraulic to Sta. 1+39 and temporarily connect existing 30" RCP to end of new RCB at Sta. 1+39.
2. Construct storm sewer on the south side of 13th Street at Grove.
3. Construct storm sewer on the south side of 13th Street from Vassar to Yale Blvd.
4. Construct storm sewer on the south side of 13th Street from Fountain to Dellrose.
5. Construct RCB crossing at Sta. 69+38 and north in Yale Blvd.
6. Construct RCB crossing at Sta. 92+50.
7. Construct sanitary sewer on south side of 13th Street.
8. Construct sanitary sewer crossing at Sta. 79+71 and 89+90 if possible during RCB crossing closures.
9. Construct waterline on south side of 13th Street.
10. Construct water services across 13th Street using boring to maintain traffic on north side of 13th. Bore water service lines so as not to conflict with storm sewer to be constructed in later phases.
11. Construct waterline on west side of Hillside. Use directional drill as necessary to maintain traffic on the north side of 13th.
12. Construct waterline crossing at Yale Blvd.
13. Construct City of Wichita fiber optic line.

Phase 2 Major Construction Items

1. Construct storm sewer on south side of 13th Street from Hydraulic to Spruce. Connect new storm sewer to existing RCP in 13th.
2. Construct storm sewer on the north side of 13th Street from Grove to Hillside.
3. Construct storm sewer on the west side of Hillside.
4. Construct half storm sewer crossing on the south side of 13th Street at Gardner, Roosevelt and Vesta.
5. Construct storm sewer crossing under Roosevelt.
6. Construct sanitary sewer on the north side of 13th Street from Estelle to Chautauqua.
7. Construct waterlines on the north side of 13th Street on Poplar, Green, Estelle, Volutsia, Erie, Chautauqua, Lorraine, and Hillside.
8. Perform grading, surfacing, sidewalk and traffic signal construction on the south side of 13th Street from Hydraulic to Grove.
9. Construct the north side of the Grove intersection in halves.
10. Install temporary widening on the south side of 13th Street from Green to Lorraine.
11. Perform grading, surfacing, sidewalk and traffic signal construction on the north side of 13th Street from Grove to Hillside.
12. Construct the north side of the Hillside intersection in halves.
13. Install the bituminous overlay on the west side of Hillside.
14. Perform grading, surfacing, sidewalk and traffic signal construction on the south side of 13th Street from Hillside to Dellrose.
15. Perform grading, surfacing and sidewalk construction on Roosevelt south of 13th Street.
16. Install Monument wall and fencing at MacDonald Golf Course.

Phase 3 Major Construction Items

1. Construct storm sewer on the north side of 13th Street from Hydraulic to Grove.
2. Construct half storm sewer crossing on the south side of 13th Street at Poplar, Green, Estelle, Volutsia, Erie, Chautauqua, Lorraine and Hillside.
3. Construct storm sewer on the north side of 13th Street from Holyoke to Fairmont.
4. Construct half storm sewer crossing on the north side of 13th Street at Vassar, Yale, Gardner, Vesta, Fountain, Broadview, Belmont, Terrace, Pershing and Dellrose.
5. Construct sanitary sewer on the north side of 13th Street.
6. Construct remaining waterlines on the north side of 13th Street.
7. Perform grading, surfacing, sidewalk and traffic signal construction on the south side of 13th Street from Hydraulic to Grove.
8. Perform grading, surfacing, sidewalk and traffic signal construction on the north side of 13th Street from Grove to Hillside.
9. Perform grading, surfacing, sidewalk and traffic signal construction on the south side of 13th Street from Hillside to Dellrose.
10. Construct grading and surfacing on Yale Blvd and Lavon.
11. Install landscaping

Phase 1 Traffic Handling

1. Carry two-way traffic on north side of 13th Street (One-lane each direction). Use a minimum of ten foot lanes.
2. Maintain access to every other side street.
3. Two separate 21 calendar day closures of 13th Street at Sta. 69+38 and Sta. 92+50 with traffic detoured to 17th Street is allowed.
4. Phase waterline and sanitary sewer construction at Gardner to provide access at all times.
5. Provide access to residences and businesses during construction.
6. Install and use temporary signals at the Hydraulic, Grove, Hillside and Oliver intersections.
7. Prohibit Left-Turns at Hydraulic, Grove, Hillside and Oliver intersections.
8. Use temporary concrete barrier as necessary.
9. Maintain all side street Stop Signs throughout construction.

Phase 2 Traffic Handling

1. Carry two-way traffic on the north side of 13th Street (One-lane each direction) from Hydraulic to Grove. Use a minimum of ten foot lanes.
2. Carry two-way traffic on the south side of 13th Street (One-lane each direction) from Grove to Hillside. Temporary widening will be necessary from Green to Lorraine. Use a minimum of ten foot lanes.
3. Carry two-way traffic on the north side of 13th Street (One-lane each direction) from Hillside to Dellrose. Use a minimum of ten foot lanes.
4. Phase waterline and sanitary sewer construction at Gardner to provide access at all times.
5. Provide access to residences and businesses during construction.
6. Install and use temporary signals at the Hydraulic, Grove, Hillside and Oliver intersections.
7. Prohibit Left-Turns at Hydraulic, Grove, Hillside and Oliver intersections.
8. Use temporary concrete barrier as necessary.

Phase 3 Traffic Handling

1. Carry two-way traffic on the south side of 13th Street (One-lane each direction) from Hydraulic to Grove. Use a minimum of ten foot lanes.
2. Carry two-way traffic on the north side of 13th Street (One-lane each direction) from Grove to Hillside. Use a minimum of ten foot lanes.
3. Carry two-way traffic on the south side of 13th Street (One-lane each direction) from Hillside to Dellrose. Use a minimum of ten foot lanes.
4. Phase all construction at the apartments between Holyoke and Fairmont to provide access at all times.
5. Phase Yale blvd. in halves (North/South or East/West to allow access to residences.
6. Provide access to residences and businesses during construction.
7. Install and use temporary signals at the Hydraulic, Grove, Hillside and Oliver intersections.
8. Prohibit Left-Turns at Hydraulic, Grove, Hillside and Oliver intersections.
9. Use temporary concrete barrier as necessary.

CONSTRUCTION SEQUENCING – GENERAL INFORMATION

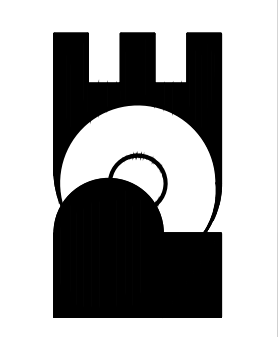
1. Install and activate 13th Street portable changeable electronic message signs 2 weeks prior to beginning construction. Up to four message signs may be used at one time. Coordinate with the City of Wichita for their locations.
2. Sign detour route and advance construction signs.
3. The intention of these drawings for construction traffic control is to provide the contractor a scheme for organizing the work while maintaining through traffic and access to property along the project. The objective of the scheme is the safe, expeditious movement of traffic and safety of the work force. This scheme is not intended to be complete and will require additional detail to be provided by the contractor which may include, but not limited to, additional signing, barricades, markings, temporary surfacing, and detours. All traffic controls for street construction, maintenance, utility, and emergency operations shall conform to the manual on uniform traffic control devices.
4. The sequence shown is intended as a guide for major items only. The contractor will be responsible for the coordination of all major items. Variations to the sequence shown may be used as approved by the engineer. Regardless of sequence used, construction traffic shall be essentially in accordance with that shown. Part of the work shown for a specific phase may be accomplished in other phases. Major work not constructed within the indicated phase shall be approved by the engineer.
5. All signs and pavement markings conflicting with this traffic control shall be covered or removed as directed by the engineer.
5. The Contractor may have to take special precautions regarding the installation of crossroad pipes and structures associated with the construction of the proposed storm sewer system and removal of the existing structures. Contractor shall comply with all safety requirements of the City of Wichita and the Occupational Safety & Health Administration (OSHA), especially with respect to depths of excavation, shoring requirements, and the treatment of slopes associated with trench excavations.
7. Temporary Concrete Safety Barrier may be necessary at more locations than are shown on the Traffic Control drawings.

**TRAFFIC HANDLING AND  
CONSTRUCTION SEQUENCING**

No.	Date	By	Approved	Revision

13TH STREET NORTH FROM KANSAS TO OLIVER  
**TRAFFIC HANDLING & SEQUENCING**  
CITY OF WICHITA, KANSAS

**POE & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
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**WICHITA**

Engineer: P. FERGUSON  
Designer: P. FERGUSON  
CITY Job No.: 472-84320      Poe Job No.: 1871  
Date: March, 2012