

WEST STREET - MAPLE TO CENTRAL

CONSTRUCTION SEQUENCING TRAFFIC CONTROL PLAN

PHASE 1A:

Route 2-way traffic to east side of roadway from 2nd Street through Douglas. Remove existing curb west side adjacent to RCB alignment and install Temporary Surfacing along west side (approx 29+00 to 33+00). Begin water line replacement along west side between Douglas and 2nd Street. Unless other approved measures can be implemented, Water Line must be connected to both/either 2nd Street or Douglas prior to RCB extension into West Street to avoid any prolonged water service disruption.

PHASE 1:

Route 2-way Traffic along West Side of Roadway and begin extension of RCB to centerline. Shift traffic around RCB construction as necessary to accommodate working room. When box reaches centerline, remove east curb & install Temporary Surfacing along east side from approximately 29+40 to approximately 37+50 to facilitate RCB construction northward along west side. Install Temporary Surfacing across and through trench. Shift traffic to east side of Roadway through RCB construction northward.

PHASE 2:

As Box Progresses northward, install Detour signage at 2nd Street west of West Street and close 2nd Street Intersection west of West Street. Detour 2nd Street EB traffic south along Florence to Douglas. Install Temporary Traffic Signals at 2nd Street Intersection. Install temporary pavement along RCB trench. Maintain West St. traffic around RCB construction along east side. Install detour signage for WB 2nd Street traffic to Douglas. Relocate sanitary sewer line at 2nd Street. Maintain 2nd Street closure west of West Street. Continue 12" water line construction south – replace drive cuts with temporary pavement.

PHASE 3:

At completion of RCB (west end at 2nd) install temporary pavement at 2nd Street as necessary for full intersection (existing) operation. Install temporary traffic signals at Maple & Douglas. Temporary signals should include phased left turn indicators for Maple Intersection, NB traffic only. Continue 12" Water Line Construction south – replace drive cuts with temporary pavement. Remove existing east/west medians in Maple Street Intersection, fill with temp pavement, and stripe accordingly.

PHASE 4:

At such point new water line reaches Maple, begin construction of Maple Intersection in NW quadrant. Begin Construction of Water Line replacement project north from 2nd Street. Detour WB Maple traffic through intersection to south side. Eliminate EB, WB, AND SB turn movements. Extend proposed 12" water line through quadrant paving limits. Install Storm Line No. 6 to center of West. Maintain traffic east side of West Street to Central as required for water line construction.

PHASE 5:

Following completion of NW quadrant, begin construction of SW quadrant of Maple Intersection to south project limits. Extend proposed 12" water line through quadrant. Shift EB and WB traffic to north side west of intersection.

PHASE 6:

Begin Construction of SWS Line No. 1 southward. Extend inlet leads to centerline. Shift Traffic to west side of West Street around SWS Line No. 1 construction (beginning at approximately 19+00.) Close east leg of Douglas Intersection as necessary for Line 1 & Line 3 construction. Begin construction of SWS Line No. 3 along Douglas to east project limits. Re-open Douglas east leg of intersection following SWS construction.

PHASE 7:

Shift West Street traffic south of Maple Intersection to west side of road. Begin construction of NE quadrant of Maple Intersection. Extend SWS Line No. 6 and proposed 12" water line through quadrant. May allow NB to WB turn movement with phased temporary signals. Maintain 2-way traffic on West Street along west side of the road. Begin Construction of SWS Line No. 2 Northward. Temporarily close 2nd Street east of West Street to allow SWS Line 2 & Line 4 construction. Install temporary pavement through east leg of 2nd Street.

PHASE 8:

(Portions of this phase may run concurrently with Phase 6) Following opening of east leg of 2nd Street, Begin construction of east side of Mainline West Street from Maple through Douglas to 2nd Street. (This portion of the phase can only be completed when SWS Line No. 1 is complete. Close entirely east leg of Douglas. Begin construction of SE quadrant of Douglas Intersection following completion of NE quadrant. Maintain WB Douglas detour at Sheridan. Continue construction of SWS Line No. 2 north, extend inlet leads to centerline. Maintain 2-way traffic on West Street along west side of road.

PHASE 9:

Begin construction of SE quadrant of Maple Intersection. Maintain two-way traffic along west side of West Street. Extend SWS Line No. 6 to south side. Prohibit WB to SB left turn movement. Continue construction of SWS Line No. 2 northward. Continue construction of widening on east side of West Street from Maple 2nd Street Intersection (approx. 35+00). Maintain closure of east leg of Douglas Street intersection during widening. Continue construction of SWS Line No. 2 northward.

PHASE 10:

Following completion of Maple Intersection and east side mainline West Street, shift traffic to completed roadway on east side of West Street from Maple Intersection to 2nd Street. Re-open the east leg of the Douglas Intersection. Extend inlet leads across West Street. Close entirely the west leg of the Douglas Intersection. Begin construction of west side of Mainline West Street from Maple intersection to 2nd Street. Extend SWS Line No. 5 to west project limits. Detour EB Douglas Traffic (west of intersection) north along Florence to 2nd Street.

PHASE 11:

Maintain two-way traffic along East side of West Street from completed Maple Intersection northward. Begin Construction of the west half of the Douglas Intersection to west project limits. Remove temp signals at Maple and install permanent signals. Maintain Douglas closure west of West Street. Maintain EB Douglas Traffic Detour to 2nd Street. Complete construction of SWS Line No. 2. Remove existing signals and install temporary signals at Central Street Intersection.

PHASE 12:

Complete widening of mainline West Street from Maple to south limits of 2nd Street Intersection. Following completion, shift traffic to west side of roadway from 2nd Street north to Central. Close the east leg of 2nd Street Intersection. Detour EB 2nd Street traffic south along Sheridan to Douglas. (Must re-open completed Douglas intersection prior to closing 2nd Street Intersection). Begin construction of east leg of 2nd Street intersection to east Project limits. Begin construction of east side of Mainline West Street north towards Central. Maintain two-way traffic along west side of West Street from 2nd Street northward.

PHASE 13:

Remove existing traffic islands and traffic medians and pole bases at Central. Fill medians with temporary pavement and stripe accordingly. Begin construction of SE quadrant of Central Intersection. Shift Central traffic to north side of roadway through intersection. Eliminate left turns through intersection. Continue construction of east side of Mainline West Street north towards Central. Maintain two-way traffic along west side of West Street northward through intersection.

PHASE 14:

Begin construction of NE quadrant of Central Intersection following SE quadrant completion. Shift Central traffic to south side through intersection. Maintain two-way traffic along east side of West Street northward through intersection. Prohibit left turn movements through intersection. Continue construction of east side of Mainline West Street north towards Central. Maintain two-way traffic along west side of West Street northward through intersection.

PHASE 15:

(East side of mainline West Street must be completed before this phase can begin.) Shift West Street traffic to east side of roadway from 2nd Street to Central. Begin construction of west side of Mainline West Street. Begin construction of NW quadrant of Central Intersection. Re-open east leg of 2nd Street Intersection. Close west leg of the 2nd Street Intersection. Detour WB 2nd Street south Florence to Douglas. Begin construction of west leg of 2nd Street Intersection.

PHASE 16:

Following completion of NW quadrant of Central, begin construction of SW quadrant of Central Intersection. Shift Central traffic to north side through intersection. Maintain two-way traffic along east side of West Street northward through intersection. Continue construction of west side of West Street and west leg of 2nd Street Intersection.

PHASE 17:

Install permanent traffic signals in Central Intersection and at 2nd Street. Complete final pavement marking operations and re-open roadway. Begin Site Restoration, sodding, etc. Remove detour signage.

TRAFFIC SEQUENCING GENERAL NOTES:

This Traffic Control Sequencing Plan is intended as a guide for the Major Construction Items associated with this Project. Contractor shall be responsible for all Minor Construction Details within each Phase. Contractor shall note that the various Phases may overlap or run concurrently. Any major changes to the Phases listed herein shall be approved by the Engineer.

The Contractor shall be required to maintain one-lane in each direction along West Street during all phases of the Project. Side streets abutting West Street may be closed intermittently as indicated on the traffic control plan sheets provided that all-weather access to businesses is maintained. DOUGLAS AND 2ND STREET SHALL SERVE AS DETOUR ROUTES AND MAY NOT BE CLOSED SIMULTANEOUSLY. LEFT TURNS FROM WEST STREET ONTO DOUGLAS OR 2ND SHALL NOT BE ALLOWED UNLESS OTHERWISE APPROVED BY THE ENGINEER. Coordination and communication with the affected business owners along the route shall be addressed during all phases of construction.

This Construction Sequencing Plan denotes the specific Phases to be followed by the Contractor and delineates the traffic flow patterns associated with each Phase. Contractor shall note that Standard Details for Traffic Control are contained herein, and shall follow such details to divert Traffic around construction activities as necessary.

Temporary Pavement necessary for Maintenance of Traffic during construction shall be 6" Asphalt Pavement and shall be a measured quantity. This Bid Item shall include all grading, subgrade preparation, placement, maintenance, removal, disposal, and etc.