

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0612-01	2015	68	84



CONSTRUCTION PLANS FOR
21ST STREET BRIDGE AT DERBY REFINERY
 WICHITA, KANSAS

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CONSTRUCTION SEQUENCE SUMMARY

PROJECT NO.	472-85120	
DATE	JULY 2015	
SCALE	N/A	
DESIGNED	DRAWN	CHECKED
JRA	WNJ	JRA

NO.	REVISION	DATE

SHEET NO.
 68 OF 84

PHASING	HANDLING OF TRAFFIC	MAJOR CONSTRUCTION ITEMS	REMARKS	GAS LINE CONSTRUCTION
0	Erect traffic control to allow a single lane of traffic in each direction in the south half of 21st Street to permit boring of the new 8" water line across 21st Street. After boring and connection to the 20" line is complete, contractor shall remove previous traffic control and erect traffic control to close the outside lane of eastbound traffic on 21st Street.	All water line work shall be completed during this phase.	No work on or near the existing structure will be allowed until the work of this phase is complete. The contractor and engineer may opt to eliminate the closure of the outside lane of east bound traffic if the work can be performed satisfactorily and safely without said traffic control.	Existing gas line to remain in operation during this phase.
1	Erect detour for eastbound 21st Street traffic. Erect traffic control to merge westbound 21st Street traffic into the right lane east of the structure. Only a single lane of westbound traffic will be permitted to use the existing structure.	Construct south half of the bridge to the limits shown in the plans. Construct south half of the street to the limits shown including storm sewer improvements. Construct south half of the traffic rail and drainage ditch improvements to the limits shown in the plans.	Traffic control plans and details are provided in these plans. Detour signing is provided in these plans.	Portions of the gas line under approach slabs in the south half of the project will be constructed by the KGS contractor in coordination with the bridge contractor. Existing gas line to remain in operation during the entire phase. This will occur prior to the construction of the approach slabs.
End of Phase 1				Upon completion of the south half of the bridge and traffic rail, the KGS contractor will install gas line on the bridge and connect to previously installed portions of the new gas line. This will occur prior to the bridge contractor constructing concrete rip-rap on the south side of the bridge.
Start of Phase 2				After Phase 2 traffic control has been erected and prior to demolition of the north half of the existing bridge, the KGS contractor will construct the remainder of the gas line improvements. The new gas line will be placed in operation.
2	Erect traffic control to allow a single lane of traffic in each direction to utilize the newly completed construction on the south half of the project. Remove the detour route signing.	Construct the remaining portions of the bridge. Construct remaining portions of the street improvements including remaining storm sewers. Construct north traffic rail and drainage ditch improvements to the limits shown in the plans.	Traffic control plans and details are provided in these plans.	Abandoned portions of the existing gas line will be removed as part of bridge demolition activities by the bridge contractor. The cost of gas line removal is <u>subsidiary</u> to "Removal of Existing Structures".
3	Provide localized traffic control appropriate to the specific construction activity being performed. Single lane closures will be allowed during this phase. Contractor shall utilize traffic control in accordance with the typical traffic control plans included in these plans.	Construct surface courses and install permanent pavement marking which has not yet been installed. Remove temporary markings prior to placing permanent markings. Perform all remaining work yet to be completed which will not require significant traffic control.	Contractor shall install and maintain traffic control as directed by the Engineer Based on the specific construction activities implemented during this phase.	

NOTE:
 See sheet 32 for Gas Line Installation plan and details.

TRAFFIC CONTROL GENERAL NOTES

All signs and pavement markings conflicting with construction traffic control shall be covered or removed as directed by the Engineer. Quantities for replacement pavement markings have been estimated and included in pavement marking summary of quantities and will be paid for as part of "Pavement Markings". Sign removal and sign covering has not been quantified and will be subsidiary to "Sign, Existing, Removed".

As the various construction activities progress, certain situations may arise that will preclude adhering to the original construction sequence or which, in the opinion of the Contractor, would readily adapt themselves to a more efficient phasing operation. Should this occur, the Contractor may submit to the Engineer an alternative plan for approval.

Contractor shall maintain existing drainage system during construction and address local drainage issues as necessary during construction. Temporary drainage measures will be subsidiary to other items in the contract. Contractor shall provide for drainage in sump areas opened to traffic. Ponded stormwater in sump areas will not be allowed.

Maintain access to all properties within the project limits at all times.

All traffic control signs and devices shall be in conformance with the latest edition of the Manual on Uniform Traffic Control Devices.

LEGEND

- | | | | |
|--|---------------------------------|--|------------------------------------|
| | Type III Barricades with lights | | Work Area |
| | Mount On Type III Barricade | | Reflectorized Drum |
| | Type B Warning Light | | Tubular Marker |
| | One Post Sign | | Vertical Panel |
| | Two Post Sign | | Mount Overhead on Signal Cross-arm |
| | Traffic Flow | | |



SPECIAL
 (30" x 30")

TRUCKS ENTERING HIGHWAY SIGN

At the discretion of the Engineer, Contractor shall provide sign, at no additional cost to Owner, when frequent truck trips are anticipated between project site and soil stockpile area. This is likely to be necessary when the stockpile area is nearby. One or two signs may be necessary depending on the Construction Phase.

PLOTTEC Tuesday, July 21, 2015 @ 11:52AM