

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: June 20, 2017
Date of Addendum: May 24, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
001	07-0636-075	BRIDGE NEW - PPCB	Black Hawk	NHSX-063-6(75)--3H-07 NHSX-063-6(87)--3H-07 NHSX-063-6(90)--3H-07 NHSX-063-6(92)--3H-07 NHSN-063-6(94)--2R-07 NHSX-063-6(96)--3H-07 NHSN-063-6(97)--2R-07	20JUN001A02

Make the following changes to the plan: NHSN-063-6 (97)--2R-07

Replace SHEET NUMBER J.1 with the attached SHEET NUMBER J.1

TRAFFIC CONTROL PLAN

Refer to Project NSHX-063-6(75)--3H-07 for overall project traffic control plan.

Contractor to coordinate all work outages with Iowa DOT and Chicago, Central & Pacific Railroad.

Contractor to coordinate all roadway and sidewalk closures with the Iowa DOT and City of Waterloo.

Contractor shall not work within existing railroad rights-of-way without right-of-entry agreement and prior coordination with the Railroad per special provision.

All work performed within railroad right-of-way may require flagging.

All traffic control devices shall be furnished, installed, maintained, and removed by the contractor.

Logan Avenue will be closed to traffic during the majority of railroad construction. Traffic will be detoured using Conger Street. See Sheet J.7 for additional details. Logan Avenue shall not be re-opened to traffic until railroad forces have reinstalled necessary crossing signal components and performed necessary testing. Coordinate with Chicago, Central & Pacific Railroad for approval to remove traffic control and re-open Logan Avenue crossing.

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
NHSN-063-6(94)--2R-07	Watermain
NHSN-063-6(95)--2R-07	Watermain
NHSX-063-6(75)--3H-07	PCC Paving
NHSX-063-6(78)--3H-07	PCC Paving
NHSX-063-6(87)--3H-07	Traffic Signals
NHSX-063-6(90)--3H-07	Bridge
NHSX-063-6(91)--3H-07	Traffic Signals
NHSX-063-6(92)--3H-07	Pedestrian Underpass
NHSX-063-6(96)--3H-07	Groundwater Suppression Sys.
STP-U-8155(744)--70-07	Aesthetics Project
FY 2017 Contract 921	City of Waterloo Project

STAGING NOTES

Refer to Project NSHX-063-6(75)--3H-07 for overall project staging.

Detailed Railroad Shoofly Construction Staging

Stage 4A (Work by Contractor)

- Pavement under railroad bridge to be removed - part of grade & pave (75) project.
- Remove existing chain-link fence in conflict with grading.
- Construct temporary shoring for shoofly embankment and wing wall demolition.
 - Construct concrete footings for raker installation.
 - Install sheet piling and soldier piles for shoring areas 1-1, 1-2, and 2.
 - Install timber lagging between soldier piles and between soldier piles and abutment wall above existing ground elevation.
 - Excavate around the bridge northwest wing wall until 2' below the planned waler and strut elevation inside shoring area 2.
 - Install timber lagging between sheet pile of shoring area 2 and the bridge west abutment as the excavation progresses.
 - Install walers and struts inside shoring area 2.
 - Place fill inside shoring area 2 to original grade.
 - Complete curing of concrete raker footings and install rakers and whalers for shoring areas 1-1 and 1-2.
 - DO NOT MAKE FINAL CONNECTION BETWEEN RAKERS AND WHALERS FOR SHORING AREAS 1-1 AND 1-2.
- Construct project grading to final shoofly grade - temporary shoring elements will be temporarily buried at this stage.
- Install subballast on grade.
- Place track ballast for shoofly to approximately 1/2" below base of tie.
- Install traffic control to close Logan Avenue crossing.
- Saw cut pavement and sidewalks at Logan Avenue at limits of pavement removal.
- Make final connection between rakers and whalers for shoring areas 1-1 and 1-2.
- Notify Railroad that shoofly embankment is complete and ready for track construction.

Stage 4B (Work by Railroad - 14 day duration)

Stage 4B.1 - Main Track outage (4 hours)

- Assemble temporary turnout off-alignment.
- Remove existing Main Track within limits of turnout.
- Install Shoofly turnout.

Stage 4B.2

- Install track from Shoofly turnout to 10' clearance point east of Logan Avenue.
- Assemble track panel (including 10' long ties through limits of crossing) off alignment.
- Assemble temporary turnout off alignment west of Logan Avenue.

Stage 4B.3 - Main Track & Yard Lead outage (4 hours)

- Remove existing asphalt in conflict with track work at Logan Avenue.
- Remove Star Track crossing for Main Track at Logan Avenue.
- Install track panels through Logan Avenue on Shoofly alignment.
- Remove existing Main Track within limits of turnout west of Logan Avenue.
- Install temporary turnout west of Logan Avenue.
- Shift Yard Lead to temporary turnout alignment (including tie renewal) and shift remaining Yard Lead in conflict with temporary turnout as needed.
- Spike, lock, and tag Shoofly turnout for diverging (Shoofly) alignment - Main Track out-of service within project limits.
- Install earthen berm east of bridge on Yard Lead - Yard Lead out-of-service within project limits.

Stage 4B.4 - Main Track & Yard Lead out of service through project limits - Shoofly Track in service

- Remove existing Main Track within limits of bridge removal.
- Remove existing Yard Lead track within limits of bridge removal.
- Remove Star Track crossing for Yard Lead at Logan Avenue.
- Notify DOT that shoofly is in operation and bridge demolition can begin.

Stage 4C (Work by Contractor - 45 day duration)

Main Track & Yard Lead out of service through project limits - Shoofly Track in service

- Remove bridge superstructure, pier, and abutments to minimum 2' below proposed subgrade - part of bridge (90) project.
- Install sheet piling for shoring areas 3 and 4.

STAGING NOTES

- Remove southeast and southwest wing walls and associated piles - part of bridge (90) project.
 - Excavate around bridge southeast and southwest wing wall. Install timber lagging between sheet piles of shoring areas 3 and 4 and bridge abutments as the excavation progresses. Use sump pumps to keep excavated area dry.
 - Remove southwest wing wall and pile cap and pull out piles 79, 80, and 90. Remove southeast wing wall and pile cap and pull out piles 94-98.
 - Construct final project grading within the limits of bridge removal to 2' below the waler in shoring areas 1-1 and 1-2.
 - Disconnect rakers from waler and remove waler from shoring areas 1-1 and 1-2.
 - Construct final project grading within the limits of bridge removal to final grade.
 - Pull out soldier piles and sheet piles of shoring areas 1-2, 3, and 4 not needed for removal of northwest wing wall.
- Install subballast within limits of bridge removal.
- Place track ballast for Main Track and Yard Lead to approximately 1/2" below base of tie.
- Remove remaining asphalt and sidewalks at Logan Avenue crossing not previously removed by others.
- Replace existing sanitary sewer manhole at Logan Avenue south of crossing - part of grade & pave (75) project.
- Remove existing water main valve and manhole in Logan Avenue south of crossing - part of water main (94) project.
- Notify Railroad that railroad embankment is complete and ready for track construction.

Stage 4D (Work by Railroad - 10 day duration)

Stage 4D.1 - Main Track & Yard Lead out of service through project limits - Shoofly Track in service

- Install track panels for Main Track within limits of bridge removal.
- Install track panels for Yard Lead within limits of bridge removal.
- Install track panels for Yard Lead within limits of Logan Avenue crossing.
- Install crossing panels on Yard Lead through Logan Avenue crossing.
- Rehabilitate Main Track and Yard lead within project limits as required.

Stage 4D.2 - All tracks out of service through project limits (4 hours)

- Remove temporary turnout west of Logan Avenue.
- Install track panels for Main Track within turnout limits.
- Shift Main Track back to permanent alignment through Logan Avenue crossing.
- Install crossing panels on Main Track through Logan Avenue crossing.
- Remove Shoofly turnout.
- Install track panels for Main Track within turnout limits.
- Remove earthen berm east of US-63 from Yard Lead.
- Remove remaining shoofly track.
- Notify DOT that main tracks are in operation and remaining construction can begin.

Stage 4E (Work by Contractor)

- Construct HMA railroad approach sections and sidewalks at Logan Avenue - coordinate with railroad operations.
- Remove northwest wing wall and associated piles - part of bridge (90) project.
 - Excavate within shoring area 2 for demolition of bridge northwest wing wall and install remaining timber lagging.
 - Use sump pumps to keep excavated areas dry.
 - Remove northwest wing wall and pile cap and pull out piles 95-100.
 - Backfill northwest wing wall areas up to 2' below walers and struts inside shoring area 2.
 - Remove walers and struts inside shoring area 2.
 - Backfill remaining shoofly area up to top of subgrade / bottom of subballast.
 - Remove remaining soldier piles and sheet piles.
- Modify track embankment to final conditions including access road and subballast placement within shoring area 2.
- Open Logan Avenue to traffic once railroad has completed crossing signal work and testing - coordinate with railroad.
- Install fencing.