



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

TO: Tom Napier
Chief District Engineer
District 11 - Manchester

ATTENTION: Joel Holcomb
TEBM - Engineering Support

FROM: Tim Tharpe
TEBM - Traffic Engineering
Division of Traffic Operations

DATE: August 16, 2011

SUBJECT: Harlan County
US 421 @ Industrial Park Rd.
MP 15.423
Item No. 11-1074.00
Temporary Traffic Signal

We have received approval from the Deputy State Highway Engineer for System Preservation and Operations to install a traffic signal at the subject location on a temporary basis. Once the bridge reconstruction project is complete and the intersection of US 421 @ KY 3459 is reopened, the subject signal shall be removed and the intersection returned to its normal one-way stop control. Attached is a completed Traffic Signal Checklist. If you have any questions, please feel free to let us know.

TDT:JSH
Attachment

C: Ted Swansegar w/a
Staci Timol w/a



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TRANSPORTATION CABINET
DIVISION OF TRAFFIC OPERATIONS
TRAFFIC SIGNAL CHECKLIST

DATE August 19, 2011 COUNTY Harlan CITY Harlan

INTERSECTION US 421 @ Industrial Park Rd MILEPOINT 15.423

NEW INSTALLATION [X] REVISION [] REMOVAL [] UPDATE [] APPROVAL DATE 8/15/11 TURN-ON DATE [] TURN-ON TIME [] ITEM NUMBER 11.1074.00

TYPE OF DEVICE

OPERATIONAL DETAILS

SIGNAL [X] FIXED TIME [] SEMI-ACTUATED [] FULLY ACTUATED [X] PEDESTRIAN [] SCHOOL FLASHER [] INTERSECTION BEACON [] SIGN BEACON [] LED-ENHANCED SIGN [] NUMBER OF PHASES 3 PROT/PERM PHASES 5 FLASHING YELLOW ARROW ON PHASES Y [] N [X] GES ON PHASES Y [] N [X] ADVANCED WARNING FLASHER ON PHASES Y [] N [X] RAILROAD PREEMPTION ON PHASES Y [] N [X] EMERGENCY PREEMPTION Y [] N [X]

SIGNAL INDICATIONS

MAINLINE, APPROACH NAME US 421 SPEED MPH 12"R - 12"Y - 12"G [X] DOUBLE-RED [] BACKPLATES [] REFLECTIVE BACKPLATES [] WALK/DON'T WALK [] COUNTDOWN [] PED BUTTONS [] ACCESSIBLE [] 12" BEACON [] RED [] YELLOW [] OTHER THIS IS A TEMPORARY SIGNAL DURING CONSTRUCTION [X]

SIDE STREET, APPROACH NAME Industrial Park Rd SPEED MPH 12"R - 12"Y - 12"G [X] DOULBE-RED [] BACKPLATES [] REFLECTIVE BACKPLATES [] WALK/DON'T WALK [] COUNTDOWN [] PED BUTTONS [] ACCESSIBLE [] 12" BEACON [] RED [] YELLOW [] OTHER []

DETECTION

MAINLINE THROUGH Loop 6' x 6' 50 feet
MAINLINE LEFT TURN Loop 6' x 30' 0 feet
SIDE STREET Loop 6' x 30' 0 feet
GES LOOPS CRITICAL GRADE % VEHICLE INTERVAL SECONDS
NEAR LOOP FEET FROM STOP BAR FAR LOOP FEET FROM STOP BAR

