

# GENERAL NOTES & SUMMARY

LAKE COUNTY  
LAK-90-8.77/29.20

OHIO  
FHWA  
REGION 5  
FEDERAL  
PROJECT

57A  
101

## CHANGE ORDER

PROPOSED WORK

THE PURPOSE OF THIS WORK IS TO ALLEVIATE THE EXISTING DROP OFF BETWEEN I-90 EASTBOUND AND RAMP "D" ON BRIDGE NO. LAK-90-1487R. THE EXISTING OPEN JOINT ALONG THE LEFT SHOULDER OF RAMP "D" WILL BE CLOSED BY REPLACING THE EXISTING DECK AND ADDING CROSSFRAMES WITHIN THAT BAY. THE EXPANSION JOINTS WILL BE MODIFIED AS DETAILED IN THESE PLANS.

SEQUENCE OF OPERATIONS - CHANGE ORDER ITEMS

THE GENERAL SEQUENCE OF WORK TO PERFORM THESE CHANGE ORDER ITEMS SHALL BE AS FOLLOWS:

1. JACK AND SHIM THE MAINLINE STRUCTURE (THE RAMP STRUCTURE MAY BE RAISED AT THE SAME TIME OR AS STEP 5 BELOW)
2. IMPLEMENT PHASE II TRAFFIC CONTROL AS DETAILED ON SHEET 83/101. (PHASE II MUST PRECEDE PHASE I)
3. REMOVE THE EXISTING DECK BETWEEN BEAMS ALONG THE OPEN JOINT BAY. REMOVE THE EXISTING ASPHALT & SCARIFY THE DECK ELSEWHERE.
4. REMOVE THE BACKWALLS AND PORTIONS OF THE EXPANSION JOINTS AS DETAILED.
5. JACK AND SHIM THE RAMP STRUCTURE IF NOT PERFORMED PREVIOUSLY.
6. FIELD MEASURE ALL CROSSFRAMES AND JOINTS FOR FABRICATION.
7. INSTALL AND PAINT THE CROSSFRAMES AND JOINTS
8. FIELD CUT AND INSTALL NO. 6 REBARS ALONG THE OPEN BAY.
9. INSTALL NEW SCUPPERS.
10. PLACE AND CURE THE DECK CLOSURE POUR.
11. RECONSTRUCT THE BACKWALLS AND APPROACH SLABS.
12. PLACE THE CONCRETE OVERLAY.

ITEM 514 - FIELD PAINTING OF NEW STEEL, SYSTEM A, AS PER PLAN

IN LIEU OF THE COLOR SPECIFIED ON SHEET 6/101 OF THE PLANS THE FINISH COAT SHALL BE FEDERAL COLOR STANDARD NO. 595A-15450.

THIS REVISION APPLIES TO ALL BRIDGES WITHIN THIS PROJECT.

ITEM 202 - PORTIONS OF STRUCTURES REMOVED (LAK-90-1487R)

WORK TO BE PAID FOR UNDER THIS ITEM SHALL INCLUDE THE REMOVAL OF THE FOLLOWING ADDITIONAL STRUCTURAL COMPONENTS AS DETAILED IN THE CHANGE ORDER PLANS AND AS DIRECTED BY THE ENGINEER.

1. EXISTING 1½"X1¼" BAR RAISING, DECK SIDE OF JOINT ONLY (REMOVAL OMITTED FROM ORIGINAL CONTRACT)
2. REINFORCED CONCRETE DECK TO PROVIDE FOR INSTALLATION OF PROPOSED SCUPPERS.
3. CONCRETE FROM CENTERLINE TO CENTERLINE OF BEAMS ALONG OPEN JOINT. (EXISTING REINFORCING STEEL TO REMAIN).
4. EXPANSION JOINT ANGLES FROM CENTERLINE TO CENTERLINE OF BEAMS ALONG OPEN JOINT.
5. PORTIONS OF EXISTING EXPANSION JOINT ALONG REAR ABUTMENT AS DETAILED IN THE PLANS.
6. EIGHT SCUPPERS ALONG THE OPEN JOINT.

ITEM 509 - REINFORCING STEEL AS PER PLAN

THIS ITEM OF WORK SHALL BE USED TO PROVIDE NEW REINFORCING STEEL (BARE) TO SPAN THE EXISTING DECK OPEN JOINT. WELDED REBAR SPLICES AS DETAILED AND REQUIRED IN THE PLANS SHALL BE INCLUDED UNDER THIS ITEM OF WORK.

ITEM 845 - LATEX MODIFIED CONCRETE, VARIABLE THICKNESS AS PER PLAN

THIS ITEM OF WORK SHALL BE USED TO PROVIDE FOR THE ADDITIONAL AMOUNT OF CONCRETE NECESSARY TO RAISE THE GRADE ABOVE THE ORIGINAL OVERLAY LIMIT.

ITEM SPECIAL - RESETTING BEARINGS, ADDITIONAL HEIGHT

SHIMMING OF THE FORWARD ABUTMENT OF BRIDGE NO. LAK-90-1487R SHALL BE MODIFIED AS FOLLOWS:

1. THE RAMP "D" SIDE OF THE STRUCTURE SHALL BE RAISED AN ADDITIONAL 0.16 FEET TO ACHIEVE A STRAIGHT GRADE ALONG THE ABUTMENT EXPANSION JOINT.
2. THIS SHIMMING MUST BE PERFORMED PRIOR TO THE INSTALLATION OF THE CROSS FRAMES BETWEEN THE RAMP AND MAINLINE STRUCTURE.

PAYMENT FOR ALL ADDITIONAL COSTS OF THE INCREASED SHIMMING THICKNESS SHALL BE INCLUDED UNDER ITEM SPECIAL - RESETTING BEARINGS, ADDITIONAL HEIGHT.

ESTIMATED QUANTITIES - CHANGE ORDER			
ITEM	DESCRIPTION	QUANTITY	UNIT
NON-BID	202	PORTIONS OF STRUCTURES REMOVED, LAK-90-1487R	L.S.
NON-BID	509	REINFORCING STEEL, AS PER PLAN	LBS.
NON-BID	511	CLASS S CONCRETE, SUPERSTRUCTURE	C.Y.
	513	STRUCTURAL STEEL FOR REHABILITATION, AS PER PLAN (AISC CERTIFICATION NOT REQUIRED)	LBS.
	514	FIELD PAINTING OF NEW STRUCTURAL STEEL, SYSTEM A, AS PER PLAN	LBS.
NON-BID	518	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN	EACH
NON-BID	845	LATEX MODIFIED CONCRETE, VARIABLE THICKNESS, AS PER PLAN	C.Y.
NON-BID	SPECIAL	RESETTING BEARINGS, ADDITIONAL HEIGHT	EACH

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION  
DISTRICT 12 LOCATION & DESIGN

### GENERAL NOTES & SUMMARY

BR. NO. LAK-90-1487R  
I-90 E.B. OVER AUBURN ROAD

DESIGNED ENF	TRACED JAG	CHECKED DWL	REVIEWED DATE	REVISED
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OHIO  
SHEET 1 / 7

L-1  
PLOT SUBMITTED: 1-JUN-1990 09:32  
PLOT SUBMITTED BY: GRMOVSEK  
ZFI:[100,350]BR90QNTI.DGN: