GENERAL NOTES

LAKE COUNTY LAK-90/271-1.88/0.00 FHWA REGION

OHIO 185

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MAINTAINING TRAFFIC

GENERAL CONSTRUCTION SEQUENCE

THE CONTRACTOR IS REMINDED THAT, IN THE CONDUCT OF THIS PROJECT. HIS SEQUENCE OF OPERATIONS SHALL BE PLANNED AND EXECUTED IN SUCH A WAY AS TO MINIMIZE THE NUMBER OF LANE REDUCTIONS AND/OR LANE WIDTH REDUCTIONS REQUIRED TO MAINTAIN TRAFFIC THROUGH THE PROJECT. IN THIS REGARD. WHEN A TRAFFIC LANE IS CLOSED. ALL OPERATIONS TO THAT LANE SHALL BE PERFORMED IN AN ORDERLY SEQUENCE SUCH THAT IT WILL NOT BE NECESSARY TO AGAIN CLOSE THAT LANE UNTIL THE ASPHALT SURFACE COURSE AND PAVEMENT MARKING OPERATIONS BEGIN.

PRIOR TO SHIFTING TRAFFIC ONTO THE SHOULDERS, NEW CONCRETE SHOULDERS SHALL BE CONSTRUCTED (WHEN SHOWN ON TYPICAL SECTIONS). LANE RESTRICTIONS AS REQUIRED TO REBUILD THE SHOULDERS SHALL BE PERMITTED ON THE "SCHEDULE OF THRU LANES TO BE MAINTAINED" TABLE. FOR ONE LANE RAMPS THE FOLLOWING PROVISIONS APPLY:

A. TRAFFIC SHALL BE SHIFTED AS SHOWN ON THE TRAFFIC MAINTAINANCE DETAILS.

B. ONLY DAYTIME, NON-RUSH HOUR WORK WILL BE PERMITTED C. TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL NOT BE REQUIRED.

IT IS ALSO REQUIRED OF THE CONTRACTOR TO HAVE ALL NORMAL LANES OF TRAFFIC OPENED THROUGHOUT THE WINTER SEASON (NOVEMBER 15TH THRU MARCH 15TH). NO LANE RESTRICTIONS, INCLUDING RAMPS, SHALL BE ALLOWED DURING THIS TIME. THE CONTRACTOR IS CAUTIONED TO SCHEDULE HIS WORK, ESPECIALLY ASPHALT OVERLAYS, TO MEET THIS REQUIREMENT.

OVERHEAD SIGNS AND SUPPORTS THAT ARE BEING MODIFIED SHALL NOT BE REMOVED UNTIL THE NEW FOUNDATION IS CONSTRUCTED AND ANY REQUIRED SUPPORT MODIFICATIONS ARE AT THE SITE.

MAJOR WORK ITEMS

THE FOLLOWING MAJOR WORK ITEMS WILL REQUIRE TRAFFIC MAINTENANCE PROCEDURES WHICH SHALL BE INCORPORATED INTO THE CONTRACTOR'S SEQUENCE OF OPERATIONS.

- A. INSTALLATION OF NEW UNDERDRAINS AND PREFABRICATED EDGE DRAINS.
- B. LANE WIDENING. SHOULDER WIDENING OR REPLACEMENT
- C. REPAIR OF PAVEMENT JOINTS AND PANELS
- D. ASPHALT CONCRETE OVERLAY
- E. PAVEMENT MARKINGS
- F. INSTALLATION OF GUARDRAIL
- G. INSTALLATION, MODIFICATION OR RELOCATION OF OVERHEAD SIGN SUPPORTS
- H. INSTALLATION OF NEW OVERHEAD SIGNS
- I. INSTALLATION OF GROUND MOUNTED SIGNS
- J. REPAIR AND RESTORATION OF DRAINAGE ITEMS
- K. STRUCTURE RESTORATION

CONSTRUCTION SEQUENCE PHASES

THE CONTRACTOR SHALL PERFORM THE WORK REQUIRED FOR THIS PROJECT IN CONFORMANCE WITH THE FOLLOWING PHASES:

- PHASE IA: STA. 124+34 TO STA. 322+71 1-90 E.B. INSTALL PORTABLE CONCRETE BARRIER.
 - I. CONSTRUCT NEW LANE AND LEFT SHOULDER, NEW UNDERDRAIN, DRAINAGE, STRUCTURE REHABILITATION. ITEM 301 AND ITEM 446 INTERMEDIATE COURSE.

PHASE IB: STA. 10+00 TO STA. 18+13.64 1-90 W.B. (RAMP D) STA. 0+00.20 TO STA. 92+40.11 1-271 N.B. STA. 92+40.11 TO STA. 124+34 1-90 E.B. STA. 8+13.64 TO STA. 42+28.41 RAMP C

- 1. REPLACE LEFT SHOULDER, REMOVE WEARING COURSE AND REPAIR LEFT LANE. NEW UNDERDRAIN. DRAINAGE. ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (1-90, 1-271).
- 2. REMOVE WEARING COURSE AND REPAIR LEFT LANE, STRUCTURE REHABILITATION, NEW UNDERDRAIN, DRAINAGE, ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (RAMP C)
- PHASE 2: STA. 92+40.11 TO STA. 322+71 1-90 E.B. STA. 10+00 TO STA. 18+13.64 1-90 W.B. (RAMP D) STA. 0+00.20 TO STA. 92+40.11 1-271 N.B. STA. 8+13.64 TO STA. 42+28.41 RAMP C RAMPS G & H
 - I. REMOVE WEARING COURSE AND REPAIR CENTER/RIGHT LANES. NEW UNDERDRAINS, DRAINAGE, STRUCTURE REHABILITATION, ITEM 301 AND ITEM 446 INTERMEDIATE AND SURFACE COURSES (1-90. 1-271).
 - 2. REMOVE WEARING COURSE AND REPAIR RIGHT LANE. STRUCTURE REHABILITATION. NEW UNDERDRAIN. ITEM 301 AND ITEM 446 INTERMEDIATE AND SURFACE COURSES (RAMP C).

PHASE 3A:

- I. COMPLETE ITEM 446 SURFACE COURSE ON ALL AREAS UNDER PHASE I (NIGHT TIME ONLY)
- PHASE 3B: STA. 132+50 TO STA. 322+71 1-90 W.B. INSTALL PORTABLE CONCRETE BARRIER.
 - I. CONSTRUCT NEW LANE AND LEFT SHOULDER, NEW UNDERDRAIN, DRAINAGE. STRUCTURE REHABILITATION, ITEM 301 AND ITEM 446 INTERMEDIATE COURSE.
- PHASE 3C: STA. 90+63.78 TO STA. 132+50 1-90 W.B. STA. 0+00.20 TO STA. 90+63.78 1-271 S.B. STA. 18+13.64 TO STA. 38+78.80 RAMP D
 - I. REPLACE LEFT SHOULDER. REMOVE WEARING COURSE AND REPAIR LEFT LANE. NEW UNDERDRAIN. DRAINAGE. ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (1-90. 1-271).
 - 2. REMOVE WEARING COURSE AND REPAIR LEFT LANE/LEFT SHOULDER, NEW UNDERDRAIN, DRAINAGE, ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (RAMP D).
- PHASE 4: STA. 90+63.78 TO STA. 322+71 1-90 W.B. STA. 0+00.20 TO STA. 90+63.78 I-27I S.B. STA.18+13.64 TO 38+78.80 RAMP D RAMPS E & F.
 - I. REMOVE WEARING COURSE AND REPAIR CENTER/RIGHT LANES. NEW UNDERDRAINS. DRAINAGE. STRUCTURE REHABILITATION. ITEM 301 AND ITEM 446 INTERMEDIATE AND SURFACE COURSES (1-90. 1-271).
 - 2. REMOVE WEARING COURSE AND REPAIR RIGHT LANE/SHOULDER. NEW UNDERDRAIN. ITEM 301 AND ITEM 446 INTERMEDIATE AND SURFACE COURSES (RAMP D).

PHASE 5A:

I. COMPLETE ITEM 446 SURFACE COURSE ON ALL AREAS LISTED UNDER PHASES 3B AND 3C (NIGHT TIME ONLY).

PHASE 5B: STA. 10+00 TO STA. 35+79.29 1-90 E.B. STA. 6+25.28 TO STA. 25+46.12 RAMP A STA. 5+79.29 TO STA. 26+85.12 RAMP B

- I. REPLACE LEFT SHOULDER. REMOVER WEARING COURSE AND REPAIR LEFT LANE. NEW UNDERDRAIN. DRAINAGE. ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (1-90).
- 2. REMOVE WEARING COURSE AND REPAIR LEFT LANE/SHOULDER. STRUCTURE REHABILITATION, NEW UNDERDRAIN, DRAINAGE, ITEM 301 AND ITEM 446 INTERMEDIATE COURSE (RAMPS A & B).

PHASE 6: STA. 10+00 TO STA. 35+79.29 1-90 E.B. STA. 6+25.28 TO STA. 25+46.12 RAMP A STA. 5+79.29 TO STA. 26+85.12 RAMP B

- I. REMOVE WEARING COURSE AND REPAIR CENTER/RIGHT LANES. NEW UNDERDRAINS, DRAINAGE, ITEM 301 AND ITEM 446 INTERMEDIATE AND SURFACE COURSES (1-90).
- 2. REMOVE WEARING COURSE AND REPAIR RIGHT LANE/SHOULDER. NEW UNDERDRAINS, STRUCTURE REHABILITATION, ITEM 301 AND ITEM 446 INTERMEDIATE ABND SURFACE COURSES (RAMPS A &

PHASE 7:

I. COMPLETE ITEM 446 SURFACE COURSE ON ALL AREAS LISTED UNDER PHASE 5B (NIGHT TIME ONLY).

PHASE IA & 3B SHALL BE PERFORMED BY USING PORTABLE CONCRETE BARRIER TO ESTABLISH THE WORK ZONE. DRUMS SHALL BE USED FOR ALL OTHER PHASES AS DESCRIBED IN THESE NOTES. AND FOR OTHER OPERATIONS SUBJECT TO THE PROVISIONS OF THE PUBLIC SAFETY NOTE. THE WORK ZONES REQUIRED FOR PHASE I THROUGH 7 LISTED ABOVE CANNOT BE COMBINED OR ALTERED UNLESS APPROVAL IS PROVIDED BY THE DISTRICT #12 PLANNING ENGINEER AND THE PROJECT ENGINEER. EACH PHASE OF WORK (BY NUMBER ONLY) MUST BE COMPLETED AND OPEN TO TRAFFIC PRIOR TO THE IMPLEMENTATION OF THE NEXT NUMBERED PHASE. THIS PROVISION DOES NOT PRECLUDE ANY PERMISSIBLE NON-RUSH HOUR DAYTIME CLOSURES AS INDICATED ON THE "SCHEDULE OF THRU LANES TO BE MAINTAINED" TABLE ON SHEET 34 .

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DESCRIBED ABOVE.