

DEMOLITION NOTES

PROTECTION OF TRAFFIC:

PRIOR TO DEMOLITION OF ANY PORTIONS OF THE EXISTING SUPERSTRUCTURE, THE CONTRACTOR SHALL SUBMIT HIS PLANS FOR THE PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, ETC.) ADJACENT TO AND/OR UNDER THE STRUCTURE TO THE DIRECTOR FOR APPROVAL. THESE PLANS SHALL INCLUDE PROVISIONS FOR ANY DEVICES AND STRUCTURES THAT MAY BE NECESSARY TO ENSURE SUCH PROTECTION. TEMPORARY VERTICAL CLEARANCES SPECIFIED ON THE PLANS OR IN THE PROPOSAL SHALL BE MAINTAINED AT ALL TIMES EXCEPT AS OTHERWISE APPROVED BY THE DIRECTOR.

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

PORTIONS OF STRUCTURES REMOVED, AS PER PLAN

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC PORTIONS OF THE EXISTING STRUCTURE SHALL BE REMOVED AS DETAILED IN THE PLANS. ABUTMENTS SHALL BE REMOVED TO THE BOTTOM OF FOOTING. PIER COLUMNS SHALL BE REMOVED TO THE LIMITS AS SHOWN IN THE DEMOLITION PLAN.

SUBSTRUCTURE CONCRETE REMOVAL FOR EXISTING PIERS 3 AND 4 SHALL BE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL NOT BE PERMITTED. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18 INCH LIMIT, A HAMMER HEAVIER THAN 35 POUNDS BUT NOT TO EXCEED 90 POUNDS, MAY BE USED AT THE APPROVAL OF THE ENGINEER. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE.

SEQUENCE OF OPERATIONS:

THE FOLLOWING NARRATIVE IS DESCRIPTIVE OF THE GENERAL SEQUENCE OF PHASED DEMOLITION AND CONSTRUCTION TO BE USED IN RECONSTRUCTING THIS BRIDGE. ADDITIONAL DETAILS OF THE PHASED DEMOLITION AND CONSTRUCTION ARE CONTAINED IN SHEETS 6/24 THROUGH 8/24. THE CONTRACTOR SHALL SUBMIT IN WRITING HIS/HER PROPOSED METHODS AND SEQUENCE FOR PERFORMING THIS WORK TO THE DIRECTOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING. SEE SHEET 9/46 FOR ADDITIONAL REQUIREMENTS CONCERNING PHASE CONSTRUCTION INCLUDING WORK HOUR RESTRICTIONS.

PHASE I

ESTABLISH PHASE I TRAFFIC MAINTENANCE AND SHIFT TRAFFIC (2 LANES) TO THE EXISTING OUTSIDE LANE AND SHOULDER, LEFT AND RIGHT.

REMOVE INSIDE PORTION (MEDIAN SIDE) OF EXISTING APPROACH SLABS, DECK, PIERS AND ABUTMENTS, SHEETING EXISTING APPROACH FILL AS NECESSARY, LEFT AND RIGHT.

CONSTRUCT INSIDE PORTION OF PROPOSED PIER AND ABUTMENTS, LEFT AND RIGHT.

ERECT BEAMS E, F, G & H LEFT AND BEAMS J, K, L & M RIGHT.

CONSTRUCT INSIDE PORTION OF PROPOSED APPROACH SLABS AND DECK, LEFT AND RIGHT.

PHASE II

ESTABLISH PHASE II TRAFFIC MAINTENANCE AND SHIFT TRAFFIC (2 LANES) TO THE PORTION OF THE PROPOSED STRUCTURE CONSTRUCTED IN PHASE I, LEFT AND RIGHT.

REMOVE REMAINDER OF EXISTING APPROACH SLABS, DECK, PIERS AND ABUTMENTS, SHEETING PROPOSED APPROACH FILL AS NECESSARY, LEFT AND RIGHT.

CONSTRUCT REMAINDER OF PROPOSED ABUTMENTS AND APPROACH SLABS, TYING INSIDE PORTION CONSTRUCTED IN PHASE I TO PHASE II CONSTRUCTION, LEFT AND RIGHT.

ERECT BEAMS A, B, C & D LEFT AND BEAMS, N, P, R & S RIGHT.

CONSTRUCT OUTSIDE PORTION OF THE PROPOSED DECK, LEFT AND RIGHT.

PHASE III

TIE PHASE I FRAMING TO PHASE II FRAMING BY ERECTING CROSSFRAMES IN BEAM BAY D-E, LEFT AND BEAM BAY M-N, RIGHT.

POUR DECK SLAB CLOSURE STRIP, LEFT AND RIGHT AND APPLY HMWM RESIN AT JOINTS.

RE-ESTABLISH NORMAL TRAFFIC PATTERNS.

adache-ciuni-lynn
associates
CONSULTING ENGINEERS

C
C

DATE
6/94
REVIEWED
A.J.M.
STRUCTURE FILE NUMBER

DRAWN
J.S.
DESIGNED
L.P.C.
CHECKED
L.P.C.

DEMOLITION NOTES
BRIDGE NUMBER LAK - 2 - 0955 L/R
OVER STATE ROUTE 615

LAK-2-9.46

5/24

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