

for Highway Bridges, 17th Edition

2002 IDOT Bridge Manual

2000 ISTHA Bridge Design Criteria

= 40,000 psi (existing reinforcement)

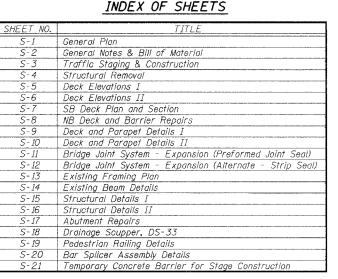
DHV: Unknown

Design Speed: 40 m.p.h.

Posted Speed: 40 m.p.h.

SHEET NO. S-1 ROUTE NO. SHEET NO. FAU 2585 ** COOK 30 10 S-21 SHEETS FEO. ROAD DIST. NO. 7

CONTRACT No. 83800 ** 05-00068-02-BR



SCOPE OF WORK

- 1. Remove and replace the southbound deck and overlay. Remove the southbound sidewalk and replace it with a Type-F parapet and add an additional median barrier.
- 2. Patch and overlay northbound deck. Repair cracks and spalls on the north bound sidewalk barrier, patch scaling and hollow conc. in NB sidewalk, and install new pedestrian railing.
- 3. Remove and replace approach slab.
- 4. Modify abutment backwalls for wider approach slabs.
- 5. Remove and replace expansion joints at abutments.
- 6. Remove loose, detrimental, foreign material from the abutment seats.
- 7. Jack and reposition the exist. sliding plate bearing under Beam 2 on South Abut.
- 8. Remove all abandoned utilities attached to N. Abutment and northeast wingwall.

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE. INFORMATION AND BELIEF, THIS BRIDGE/BOX CULVERT DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS, THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES".

APPROVED

Ralel E. arlum)

LOCATION SKETCH



ROBERT A. LEE LICENSED STRUCTURAL ENGINEER NO. 081-005246 LICENSE EXPIRES ON NOV. 30, 2006

GENERAL PLAN

MEACHAM ROAD OVER NORTHWEST TOLLWAY F.A.U. ROUTE 2585 SECTION 05-00068-02-BR **COOK COUNTY** STA. 285 + 04.18

STRUCTURE NO. 016-0676



DESIGNED: SCHELBIAN/AYARGICOGLU DRAWN: SCHELBIAN/AYARGICOGLU CHECKED: RALEE

Inventory Rating = 23.9

Operating Rating = 38.3