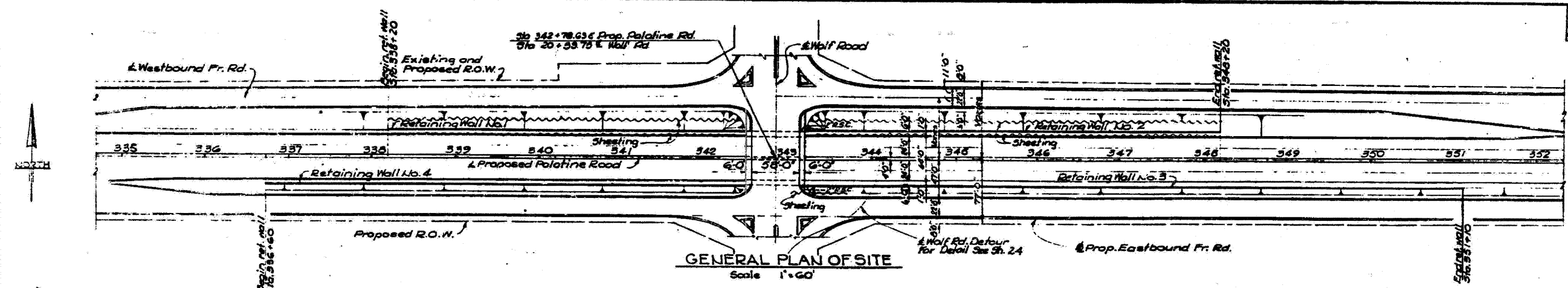
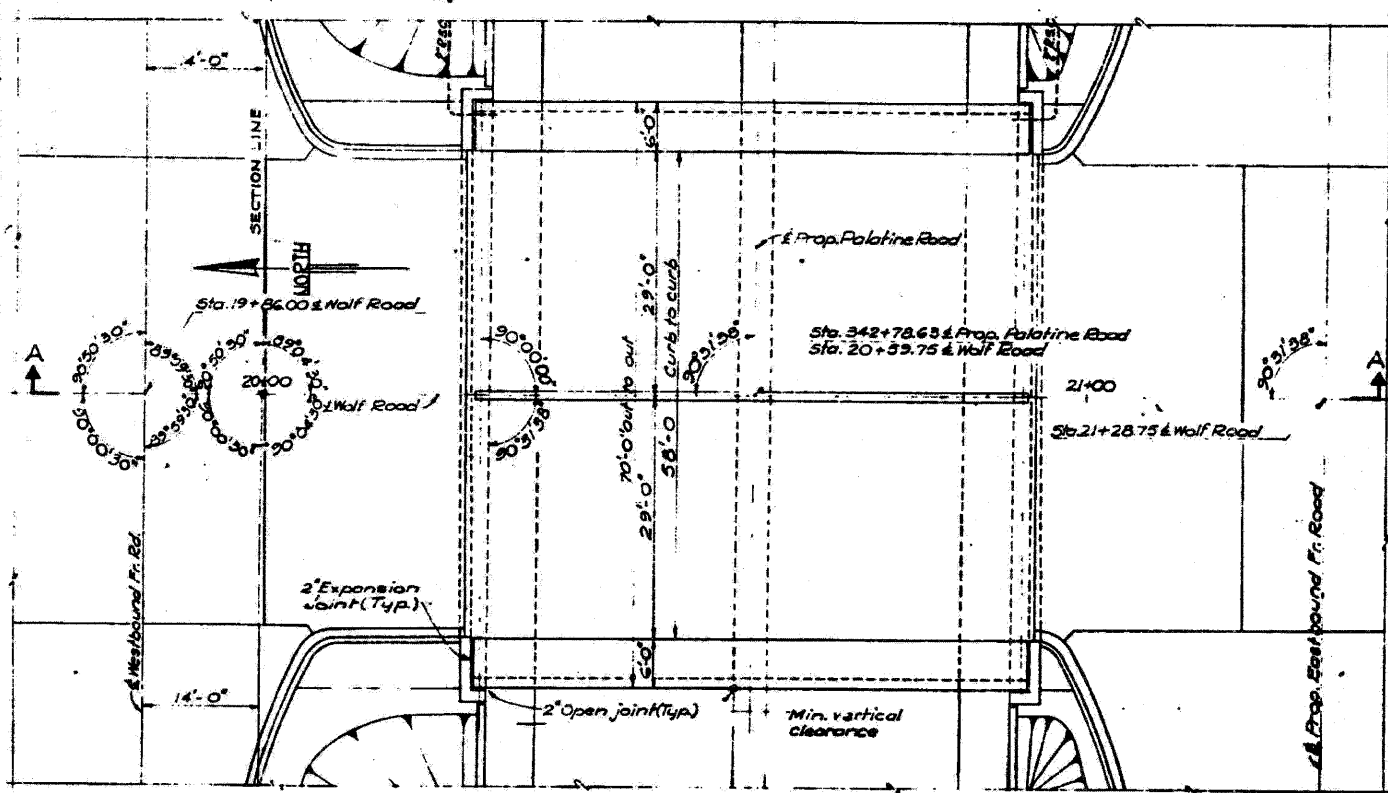


Route No.	Fiscal Year	Sheet No.	Total Sheets
116	95	129	170

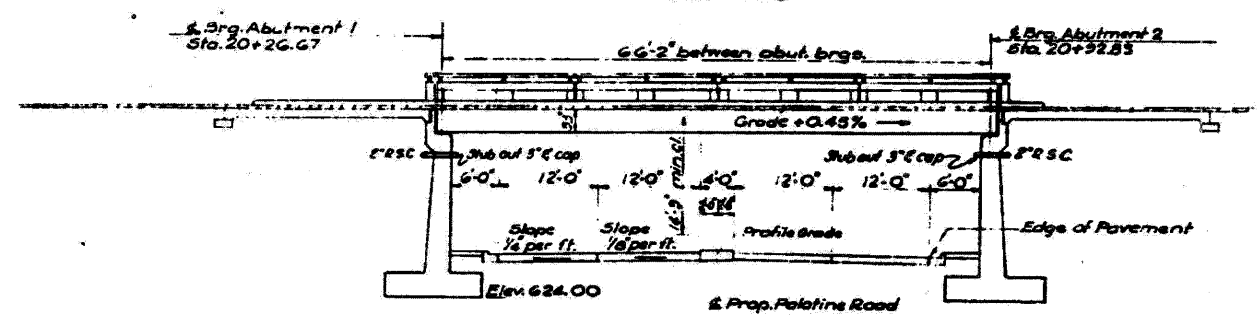
Section 110-1416



GENERAL PLAN OF SITE
Scale 1"=60'



PLAN
Scale: 1"=10'



SECTION A-A
Scale 1"=10'

GENERAL NOTES

SPECIFICATIONS
General:
 Standard Specifications for Road and Bridge Construction, 1958 Edition, and Supplemental Specifications, effective April 2, 1962, of the Division of Highways, State of Illinois, and Special Provisions.
Design:
 Bridges: Standard Specifications for Highway Bridges, 1961 Edition of the American Association of State Highway Officials (AASHTO) with tentative Revision T. B. (69) and "Criteria for Prestressed Concrete Bridges", 1954 Edition, Bureau of Public Roads, supplemented with Tentative Recommendations for Prestressed Concrete, 1958 Edition American Concrete Inst., American Society of Civil Engineers except as noted.
 Retaining Walls: Standard Specifications for Highway Bridges 1957 Edition of the AASHTO except as noted.
LOADING
 Bridges: H 20-S16-44
 Retaining Walls: Equiv. Fluid Pressure 40 lb/cu. ft.
MATERIALS
 Concrete: Class X (General Specifications) with $f'_c = 3500$ psi at 28 days shall be used throughout except in Precast Prestressed Concrete Bridge Box Beams (See Special Provisions).
 Reinforcing Steel: Intermediate grade conforming to A.S.T.M. Specifications A15-58T, with deformations conforming to A.S.T.M. Specifications A505-56T.
 Structural Steel: Shall be of Carbon Steel and conform to ASTM Spec. A-36.
 Prestressing Steel: $1/8"$ seven wire cable strands with a minimum ultimate strength of 250,000 psi.
ALLOWABLE STRESSES
 Concrete: Class X (w/o Earth Pressure) $f_c = 1,400$ psi. (With Earth Pressure) $f_c = 1,000$ psi.
 Concrete for P. R. C. B. B.: (See Special Provisions).
 Reinforcing Steel: Intermediate grade $f_s = 20,000$ psi.
 Structural Steel: A.S.T.M. Specifications A 36.
 Prestressing Steel: Special Provisions.
 Foundation Bearing Pressure: 4,000 p. s. f.
CONSTRUCTION
 Bridge Seats: Shall be constructed to exact elevations shown. If a brush hammer or grading is necessary, this work shall be done at no additional cost.
 Latent line driving: When deck units are in place prior to grouting false beam cavities, the transverse rods shall be given preliminary tightening to pull the deck units together. Final tightening shall be done by loosening the nuts then giving sufficient turns from a hand-tight position to develop a stress of 30,000 psi of the tensile stress area. This requires a wrenching torque of about 1,050 ft.-lb. The tensioning rods are not required to be grouted except of fascia beams.
 Exposed Surfaces: of concrete are to be treated with silicone (See Special Provisions, Re: Water Soluble Silicone Surface Treatment).
SHEETING
 The Contractor shall submit to the Engineer for his approval, plans for the sheeting in accordance with Article 5.3 of the Standard Specifications. The cost for furnishing, installing & subsequent removal of the sheeting shall be considered as included in the unit price bid per cubic yard for excavation for structures.

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS ZEPHYRUS SIMON MEMBER BOARD OF COMMISSIONERS WILLIAM J. MORTIMER SUPERVISOR OF HIGHWAYS	
PROP. PALATINE ROAD UNDER WOLF ROAD GENERAL PLAN	
VOGT, IVERS, & ASSOCIATES ENGINEERS - ARCHITECTS CHICAGO	COMPUTED: T.E.C. DRAWN: TEC PROJECT APPROVED: [Signature] DATE: 4/19/62 SHEET NO. 116
REVISIONS DATE BY DESCRIPTION	CHECKED: C.E.L. SCALE: AS NOTED 95 129

FILE NAME = g:\pvc\proj\2102150_001\cadd\structure\10186800-60M52-026-Enstrng.dgn



USER NAME = 2piend
 PLOT SCALE = N/A
 PLOT DATE = 10/27/2011

DESIGNED - BPS
 CHECKED - BHS
 DRAWN - BPS
 CHECKED - BHS

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (1 OF 4)
 S.N. 016-0680
 SHEET NO. 526 OF 29 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2692	1415B-1	COOK	72	61
CONTRACT NO. 60M52				
ILLINOIS FED. AID PROJECT				