

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAP 370	01031-2	COOK	9	10 SHEETS
FED. ROAD DIST. NO. 1	TRA. NO. 10	FED. AID PROJECT		

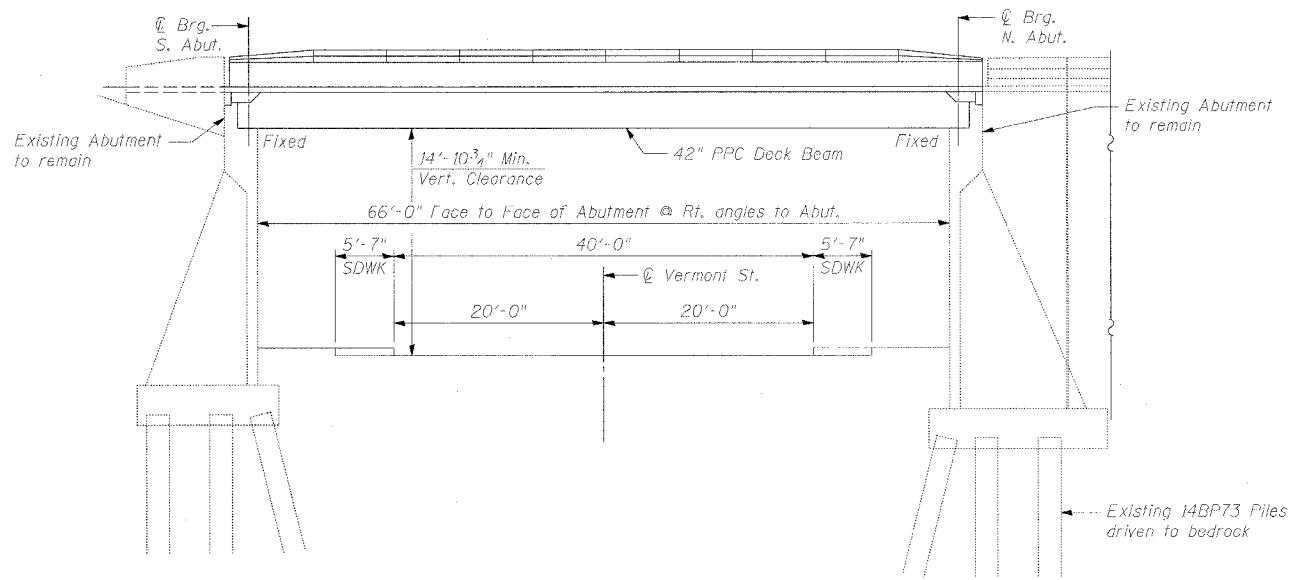
Contract # 62362

Benchmark:
Chiseled square at the southwest corner of a retaining wall at the southeast corner of the entrance to 'Great Lakes Bank of Choice' on the north side of Vermont Avenue.
Elevation: 635.79

Existing Structure No. 016-0776 was built in 1962. The existing superstructure consists of a bituminous wearing surface on 42"x36" (H x W) PPC Deck beams. The width is 70'-4 1/2" out to out.

The existing superstructure is to be removed and replaced using staged construction.

No Salvage.



ELEVATION

INDEX OF SHEETS

1. General Plan & Elevation
2. General Notes & Total Bill of Materials
3. Stage Construction
4. Temporary Concrete Barrier
5. Superstructure Details 42" Deck Beams
6. Superstructure Details Sections & Joint Details
7. Concrete Wearing Surface
8. Parapet & Railing Details
9. Bar Splicer Assembly Details
10. Substructure Modifications

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 11th ed.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

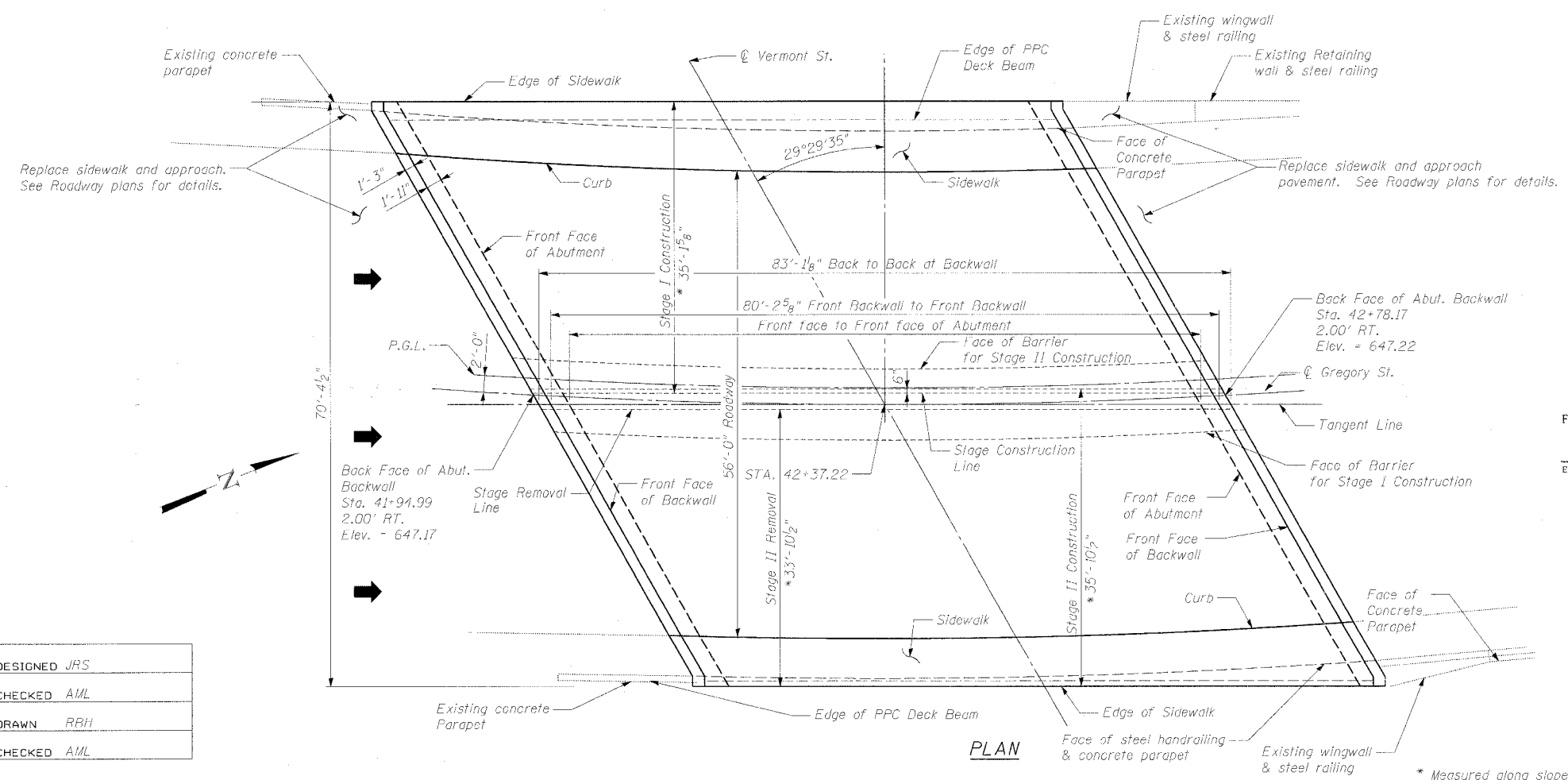
$f'_c = 5,000$ psi
 $f_y = 60,000$ psi (reinf.)

PRECAST PRESTRESSED UNITS

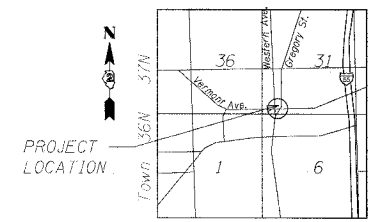
$f'_c = 5,000$ psi
 $f'_ci = 4,000$ psi
 $f'_s = 270,000$ psi (1/2" low lax strands)
 $f'_si = 201,960$ psi (1/2" low lax strands)

PILE DATA (2-ABUTS.)

Existing 14BP73 piles for abutments



PLAN



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (SE)
ENGINEER OF BRIDGES AND STRUCTURES



Sept 14, 2007

DESIGNED	JRS
CHECKED	AML
DRAWN	RRH
CHECKED	AML

GENERAL PLAN & ELEVATION
GREGORY STREET
OVER VERMONT STREET
SECTION 01031-2
COOK COUNTY
STRUCTURE NO. 016-0776
STATION 42+37.22

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
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* Measured along slope of deck. See sheet 3 of 10.