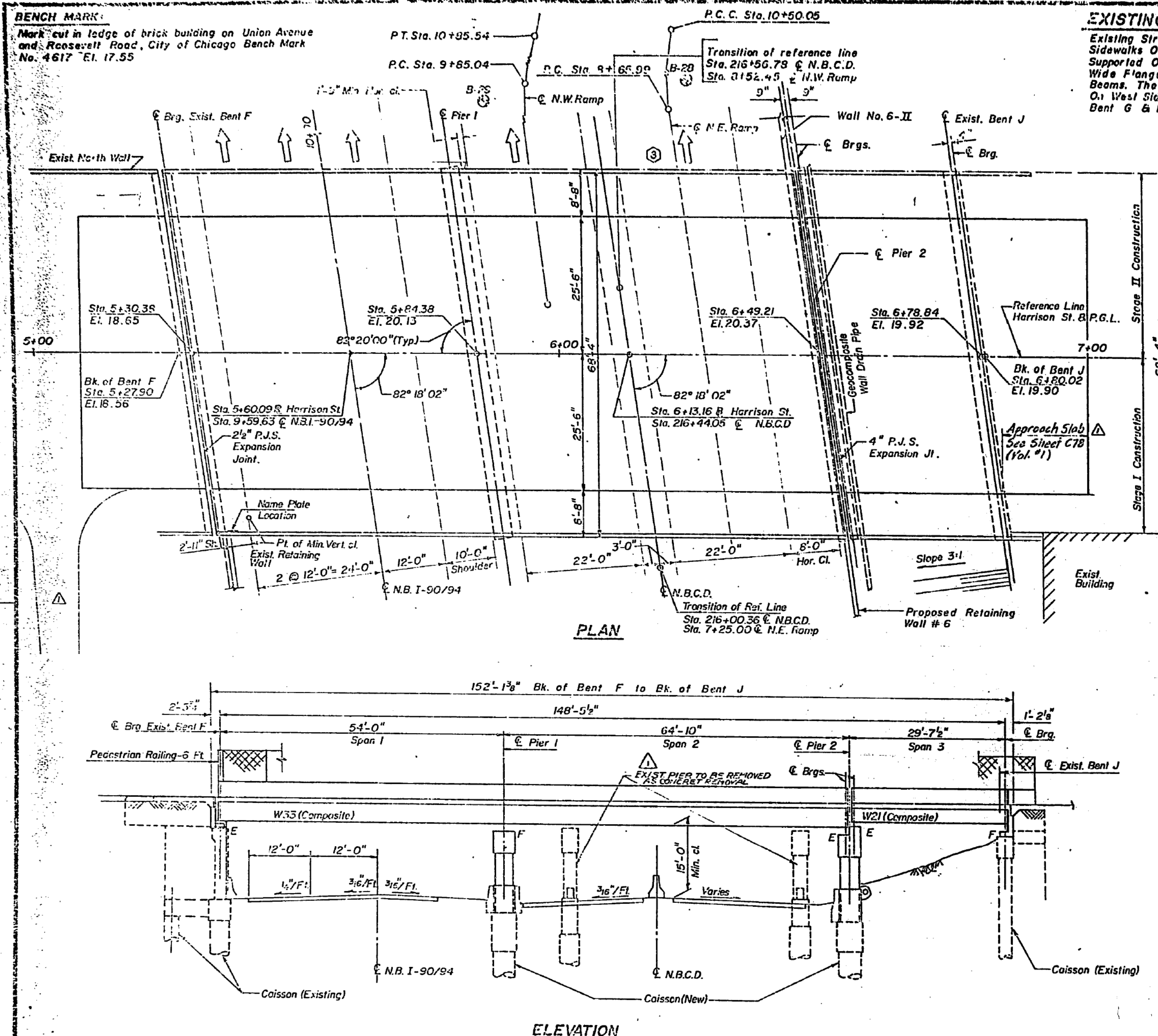
FOR INFORMATION ONLY

BENCH MARK:
Mark cut in ledge of brick building on Union Avenue and Roosevelt Road, City of Chicago Bench Mark No. 4617 El. 17.55



EXISTING STRUCTURE

Existing Structure No. 016-1088 Is 68'-4" Wide With 8'-8" Sidewalks On Each Side. The Deck Is A Concrete Slab Supported On Two Span 66'-10½" & 40'-9" Continuous Steel Wide Flange Beams And A 40'-0" Single Span Concrete Beams. The Substructure Consists Of A Closed Abutment On West Side, Bent F, Two Multiple Column Concrete Center Bent G & H And A Capped Abutment On East Side, Bent J

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	R	COOK	19	4

1985-080 R

MAJOR WORK ITEMS:
Remove and replace existing Superstructure and Piers. Rehabilitate Bent F & Bent J.
No salvage value.
Traffic is to be maintained during construction.

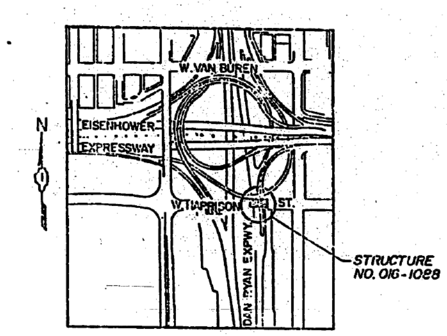
TOTAL BILL OF MATERIAL

	ITEMS	UNIT	SUPER	SUB(1)	TOTAL
△	Removal of Existing Superstructures	L. Sum	.68	—	.68
	Concrete Removal	Cu.Yd.	—	113.5	113.5
	Expansion Bolts (¾" ϕ)	Each	—	292	292
△	Structure Excavation	Cu.Yd.	—	364	364
△	Protective Coat	Sq.Yd.	1217	25	1242
△	Class X Concrete	Cu.Yd.	—	341.4	341.4
△	Furnishing and Erecting Structural Steel	L. Sum	.15	—	.15
	Stud Shear Connectors	Each	5,520	—	5,520
△	Reinforcement Bars	Pound	—	52,280	52,280
△	Reinforcement Bars (Epoxy Coated)	Pound	67,510	—	67,510
	Elastomeric Bearing Assembly Type I	Each	36	—	36
	Pedestrian Railing - 6 Ft.	Lin. Ft.	314	—	314
△	Formed Concrete Repair (Depth ≤ 1½")	Sq. Ft.	—	150	150
	Epoxy Crack Sealing	Lin. Ft.	—	20	20
	Name Plates	Each	1	—	1
	Preformed Joint Seal, 2½"	Lin. Ft.	71	—	71
	Preformed Joint Seal, 4"	Lin. Ft.	71	—	71
	Caisson Shafts, 36" ϕ	Cu. Ft.	—	2,150	2,150
	Caisson Bells	Cu. Ft.	—	892	892
△	Protective Shield	Sq. Yd.	2,140	—	2,140
	Geocomposite Wall Drain	Sq. Yd.	—	85	85
	Class X Concrete Superstructure	Cu. Yd.	364	—	364
	Pipe Underdrain - Perf. Corrugated - 6"	Lin. Ft.	—	115	115
△			—		

(1) Substructure quantities also include Retaining Wall 6 II.

STATION 5+60.09
REBUILT 198_ BY
STATE OF ILLINOIS
HARRISON STREET SEC.
F.A. PROJ. IDR-94-3(268)
LOADING HS 20
STR. NO. 016-1088

NAME PLATE
(See Std. 2113)



LOCATION PLAN

DESIGN CRITERIA

DESIGN SPECIFICATIONS:
A.A.S.H.T.O. 1983 Standard Specifications For Highway Bridges & 1984 & 1985 Interims.

DESIGN CRITERIA:
Live Load: HS 20-44 & Alternate
Sidewalk Live Load: 60 Lbs./S.F.
Soil Pressure: 40 #/C.F. Equivalent Fluid Pressure
Allowable Bearing Pressure For Caisson = 12 Kips/S.F.
Allow 25 / Sq. Ft. For Future Wearing Surface.

DESIGN STRESSES

Concrete:	f'c 3,500 PSI	Proposed Structure
Reinforcing Steel (Grade 60):	Fy=60,000 PSI	Proposed Structure
Structural Steel (M 223) GR50	Fy=50,000 PSI	Proposed Structure
(M 183):	Fy=36,000 PSI	Proposed Structure
Concrete:	fc = 1,400 PSI	Existing Structure
Reinforcing Steel:	fs = 20,000 PSI	Existing Structure

LEGEND

⊕ Proposed Soil Boring
△
------ Existing Structure

SHEET S-1 OF S-17

△ Rev. 11-23-87
△ Rev. 12-9-87

APPROVED

PLANS PREPARED BY
P.G. ENGINEERING ASSOCIATES, INC
600 WEST JACKSON BLVD.
CHICAGO ILLINOIS, 60606

REVISIONS	
Name	Date
(3) Revision	3-11-85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTION 1985-080 R — COOK COUNTY
HARRISON STREET OVER DAN RYAN EXPRESSWAY
GENERAL PLAN & ELEVATION
S.N. 016-1088
Scale: None
Date: AUGUST 14, 1987
Drawn By: S.D.D.
Checked By:
ENVIRODYNE ENGINEERS INC.
Chicago, Illinois

USER NAME = dunkerleyb	DESIGNED -	REVISED	
	CHECKED -	REVISED	
PLOT SCALE = N.T.S.	DRAWN -	REVISED	
PLOT DATE = 11/26/2013	CHECKED -	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AS-BUILTS SN 016-1088

SHEET NO. AS-04 OF AS-72 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-036R	COOK	256	146

CONTRACT NO. 60W71
ILLINOIS FED. AID PROJECT -NUMBER-

D160W71-sht-AS-BUILT-04.dgn