

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATION 262+90.93
BUILT BY
STATE OF ILLINOIS
LOADING HS20
STRUCTURE NO. 045-3169

ROUTE NO.	SECTION	COUNTY	LOCAL SHEETS	SHEET	SHEET NO. 1 OF 31 SHEETS
FAP 360	*	KANE	41	11	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 83951 * 06-00214-07-BR

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.
DESIGN SPECIFICATIONS
2002 AASHTO Std. Specs. for Highway Bridges

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (Struct. Steel) M270 Gr. 50W

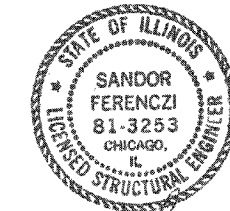
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.037 g
Site Coefficient (S) = 1

NAME PLATE - N.B. BRIDGE
See Std. 515001

STATION 262+90.93
BUILT BY
STATE OF ILLINOIS
LOADING HS20
STRUCTURE NO. 045-3170

NAME PLATE - S.B. BRIDGE
See Std. 515001



Sandor Ferenczi

EXPIRES: 11/30/2008
DATE: 05/31/2007

I certify that to the best of knowledge, information and belief, this bridge 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.

NOTES:

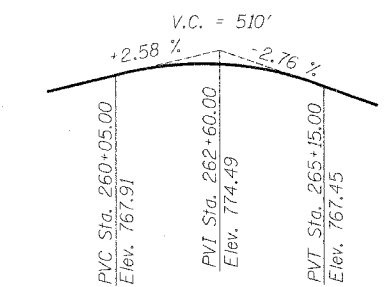
During construction, OSHA requires that a minimum thirteen (13) feet working clearance distance must be maintained between the booms, arms or other parts that can be raised on the equipment for the County's Contractor and ComEd's existing 138,000 volt electric transmission conductors. Under no circumstances, should truck beds be raised directly underneath ComEd transmission lines.

Pier footing and crashwall construction may occur beneath the water table in permeable soil. Therefore, excavation at these locations may require continuous pumping for the duration of construction. Any pumping required shall be included in the cost of Structure Excavation as noted in Section 502 of the Std. Specs.

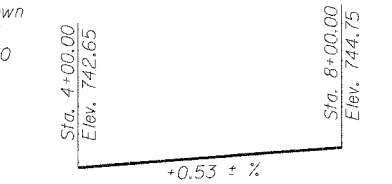
The quantity of Removal and Disposal of Unsuitable Material includes the removal of fill material present in the top 10 feet of Soil Boring DUCN-4 according to recommendations in the geotechnical report. The actual quantity shall be determined by the Engineer. The quantity of replacement material, included in Furnished Excavation, shall be suitable for driving of abutment piles.

The Contractor must keep all equipment at least ten (10) feet clear of all overhead wires at all times. ComEd highly recommends that applicable portions of their wires be covered with rubber sheathing. To request installation of this sheathing by ComEd forces, Call 1-800-EDISON1.

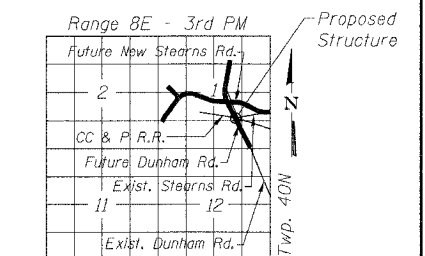
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com
Job No. 896



**PROFILE GRADE
DUNHAM ROAD**



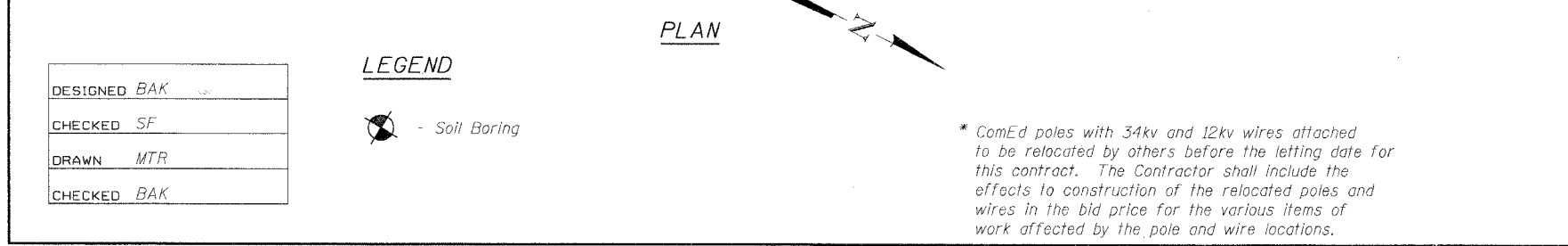
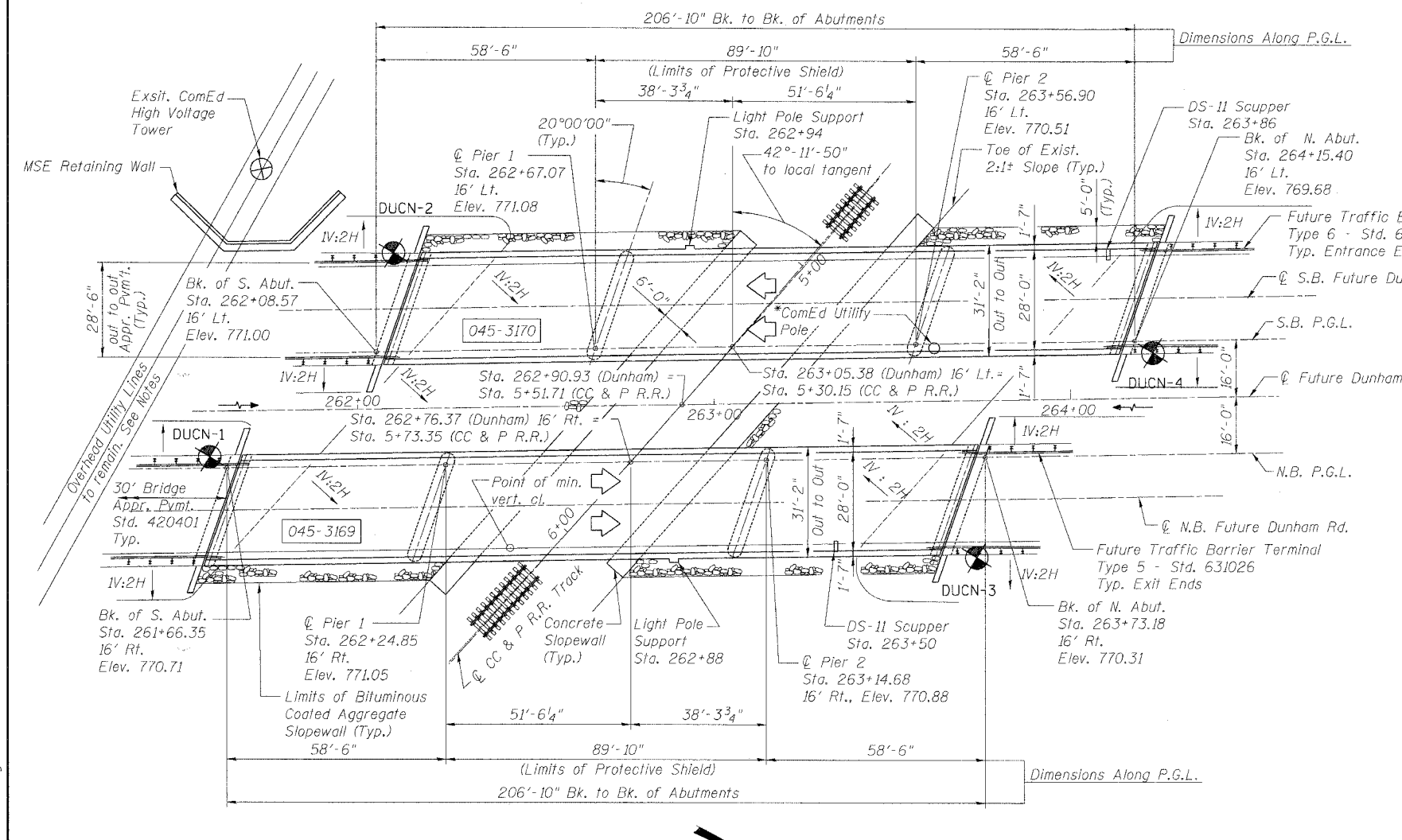
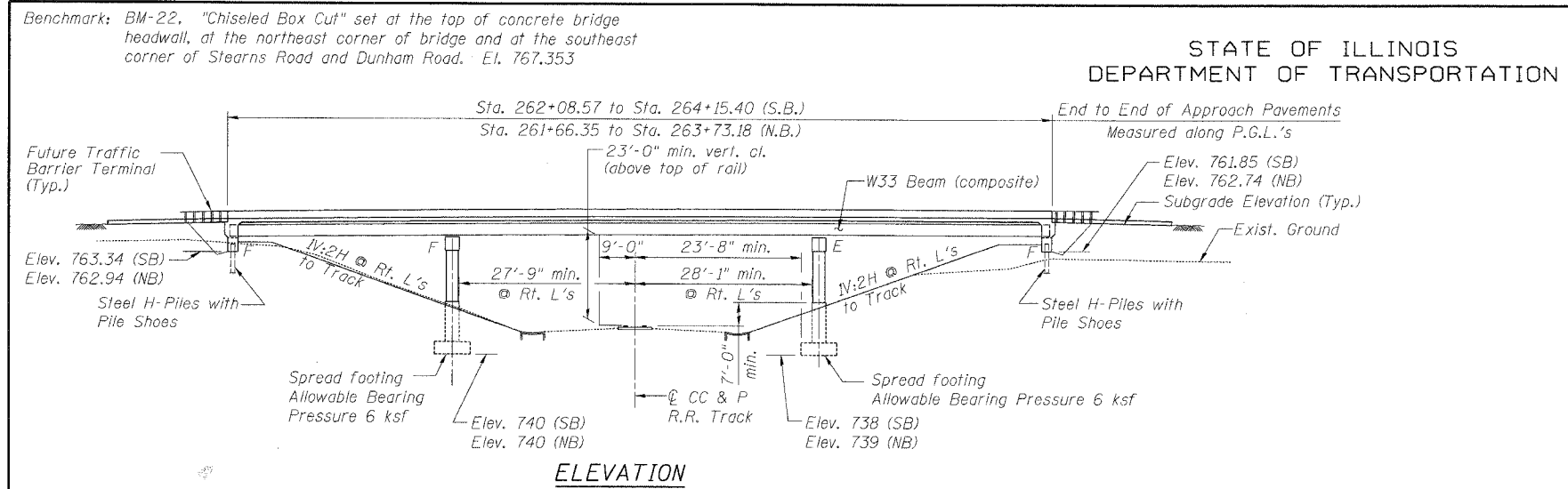
**TOP OF RAIL ELEVATIONS
CC & P R.R.**



LOCATION SKETCH

**GENERAL PLAN & ELEVATION
DUNHAM ROAD OVER
THE CC&P RAILROAD
SECTION 06-00214-07-BR
KANE COUNTY
STATION 262+90.93**

STR. NO. 045-3169 (NB) / 045-3170 (SB)



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