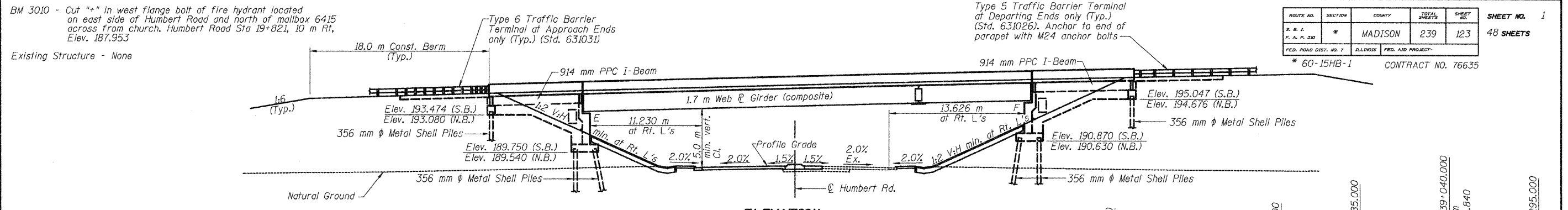


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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60-15HB-1	*	MADISON	239	123

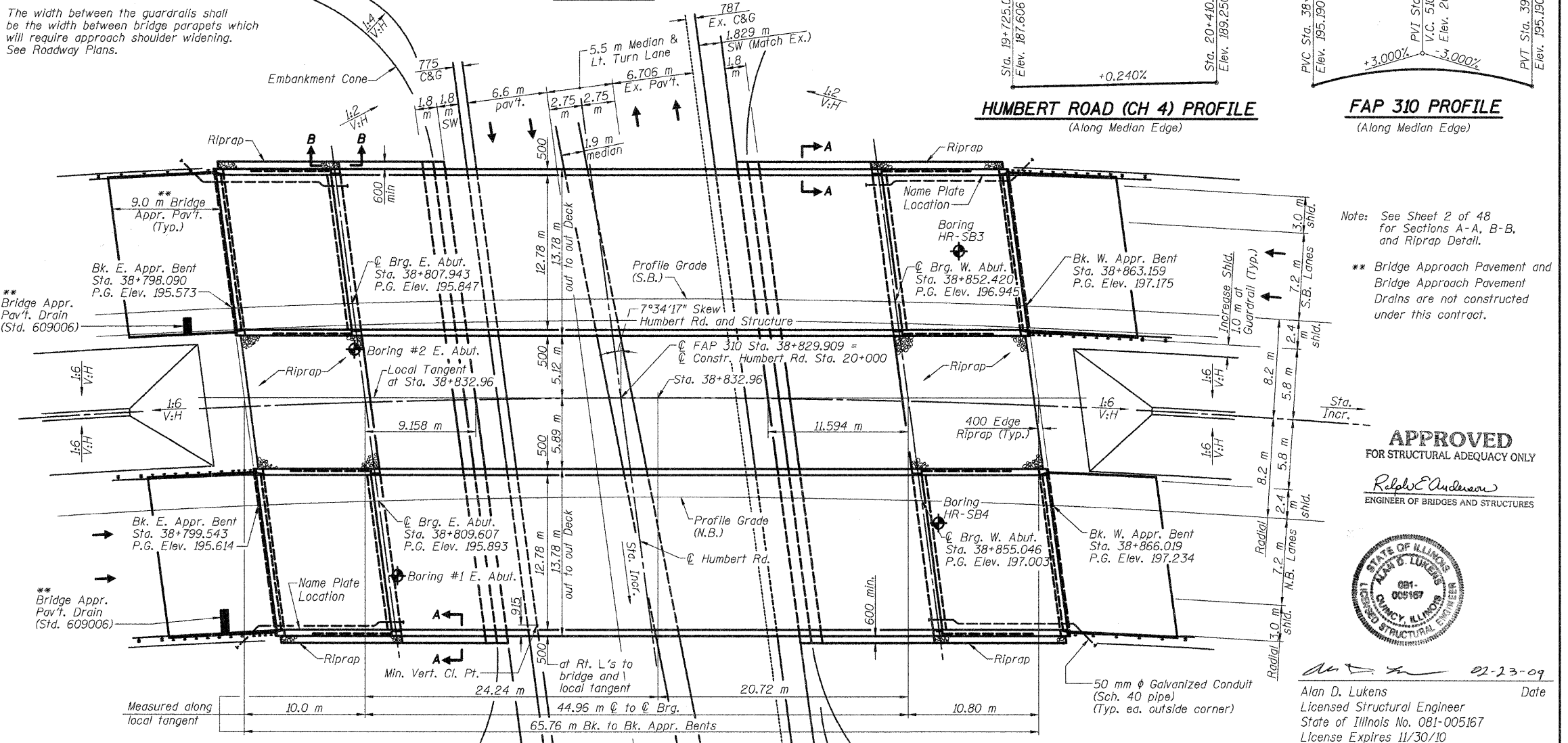
SHEET NO. 1
48 SHEETS

INDEX OF SHEETS

- General Plan and Elevation
- Total Bill of Material & General Notes
- Footings Layout & PPC I-Beam Framing Plan
- Top of Slab Elevations
- N.B. Superstructure
- S.B. Superstructure
- Superstructure Details
- N.B. East Approach Slab (1 of 2)
- N.B. East Approach Slab (2 of 2)
- N.B. West Approach Slab (1 of 2)
- N.B. West Approach Slab (2 of 2)
- S.B. East Approach Slab (1 of 2)
- S.B. West Approach Slab (1 of 2)
- S.B. West Approach Slab (2 of 2)
- Girder Details & Framing Plan
- Girder Details
- 36" P.P.C I-Beam (East Approaches)
- 36" P.P.C I-Beam Details (East Approaches)
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- Bearing Details
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- N.B. East Abutment (2 of 3)
- N.B. East Abutment (3 of 3)
- N.B. West Abutment (1 of 3)
- N.B. West Abutment (2 of 3)
- N.B. West Abutment (3 of 3)
- S.B. East Abutment (1 of 3)
- S.B. East Abutment (2 of 3)
- S.B. East Abutment (3 of 3)
- S.B. West Abutment (1 of 3)
- S.B. West Abutment (2 of 3)
- S.B. West Abutment (3 of 3)
- Pile Details
- Slopedwall and Concrete Texture Details
- Preformed Joint Strip Seal
- Anchor Bolt Details for Bearings
- Soil Boring Logs

Note: The width between the guardrails shall be the width between bridge parapets which will require approach shoulder widening. See Roadway Plans.

ELEVATION



HUMBERT ROAD (CH 4) PROFILE

FAP 310 PROFILE

Note: See Sheet 2 of 48 for Sections A-A, B-B, and Riprap Detail.

** Bridge Approach Pavement and Bridge Approach Pavement Drains are not constructed under this contract.

APPROVED FOR STRUCTURAL ADEQUACY ONLY

Alan D. Lukens
ENGINEER OF BRIDGES AND STRUCTURES



Alan D. Lukens
Licensed Structural Engineer
State of Illinois No. 081-005167
License Expires 11/30/10

FAP 310 CURVE DATA

PI Sta. 39+183.523
 $\Delta = 62^\circ 37' 42''$ (RT)
 R = 780.000 m
 T = 474.512 m
 L = 852.596 m
 E = 132.996 m
 PC Sta. 38+709.010
 PT Sta. 39+561.606
 SE = 5.5%

DESIGN STRESSES

FIELD UNITS
 $f'_c = 24$ MPa
 $f_y = 400$ MPa (reinf.)
 $f_y = 345$ MPa (M270M Grade 345, Structural Steel)
 $f_y = 250$ MPa (M270M Grade 250, Structural Steel & Diaphragms)

PRECAST PRESTRESSED UNITS

$f'_c = 42$ MPa $f'_s = 1860$ MPa (12.7 mm ϕ Strands)
 $f'_c = 35$ MPa $f'_s = 1395$ MPa (12.7 mm ϕ Strands)

DESIGN SPECIFICATIONS

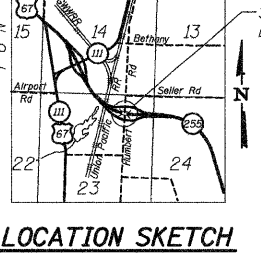
AASHTO 1996 with 1997, 1998, 1999 & 2000 Interims

LOADING MS18

Allow 2.4 kN/m² for future wearing surface.

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.080g
 Site Coefficient (S) = 1.0



DESIGNED	ADL
CHECKED	WLW
DRAWN	DGM/ADL
CHECKED	WLW

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STATE OF ILLINOIS DESIGN FIRM # 1842738

**GENERAL PLAN AND ELEVATION
 FAP RTE 310 (IL RTE 255) OVER
 CH ROUTE 4 (HUMBERT ROAD)
 SECTION 60-15HB-1
 MADISON COUNTY
 STATION 38+829.909
 S.N. 060-0308 (NB) & 060-0309 (SB)**