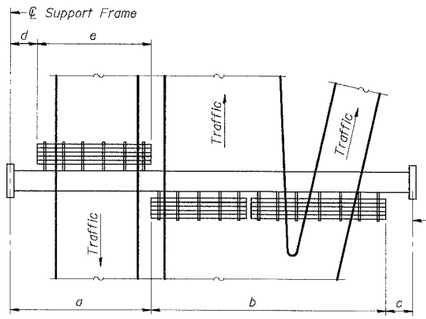
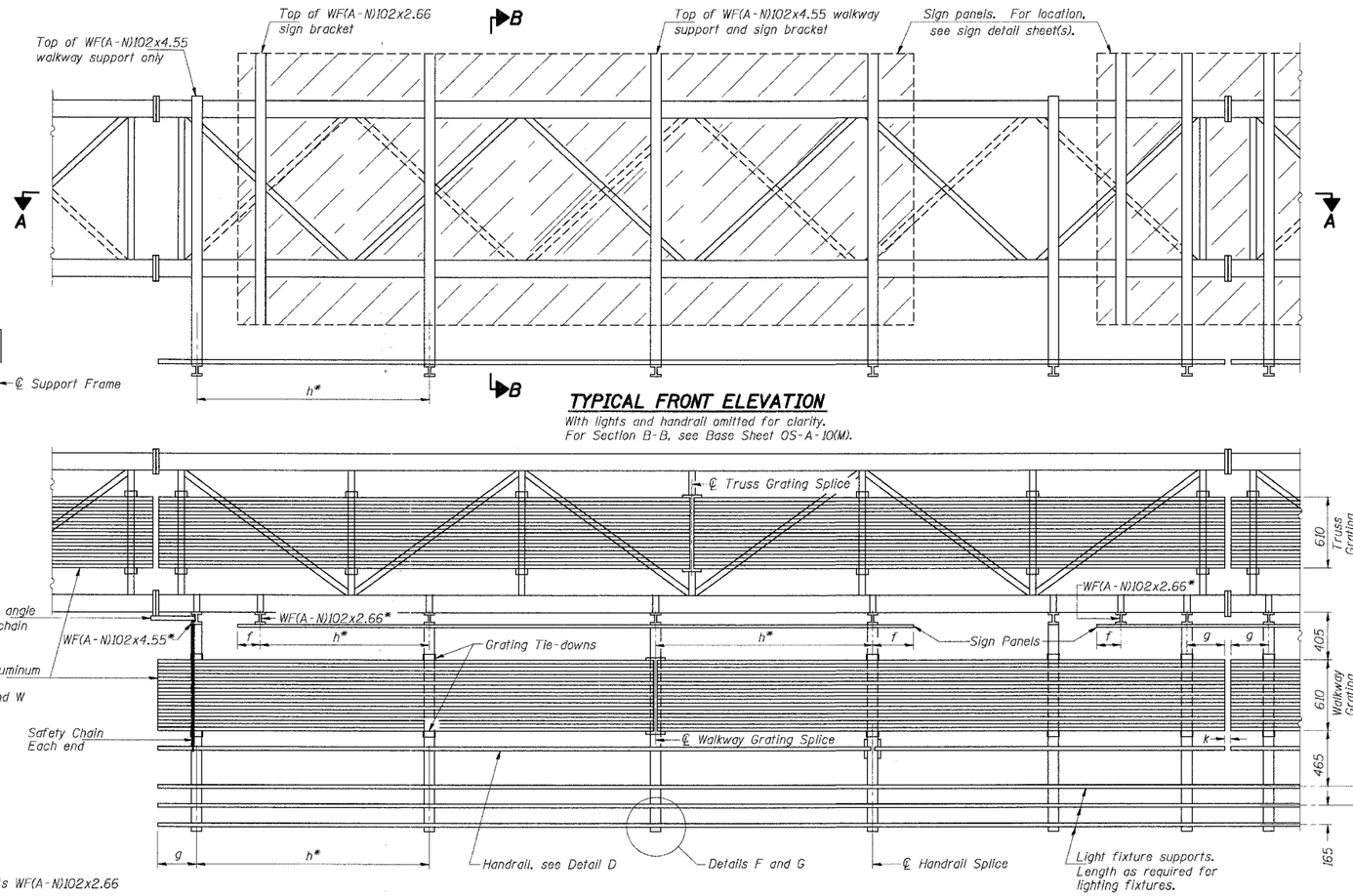
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	323
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* (2425 & 2626) R-2 CONTRACT NO. 62111



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10(M).

Walkway and Truss Grating width dimensions are nominal and may vary ±13 mm based on available standard widths.

BRACKET TABLE

WF(A-N)102x2.66 or WF(A-N)102x4.55 ASTM B308M, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	2.45	2
2.45	4.3	3
4.3	6.15	4
6.15	8.0	5
8.0	9.85	6

Notes: *Space walkway brackets WF(A-N)102x4.55and sign brackets WF(A-N)102x2.66 for efficiency and within limits shown:

f = 300 mm maximum, 100 mm minimum (End of sign to ℄ of nearest bracket)
g = 300 mm maximum, 100 mm minimum (End of walkway grating to ℄ of nearest support bracket)
h = 1.85 m maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)102x2.66or WF(A-N)102x4.55)
k = 50 mm maximum gap between adjacent walkway grating sections and handrail ends

**If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11(M).

For Details T and W, Section B-B and Grating Splice Details, see Base Sheet OS-A-10(M).
For Details D, F, G and P and Handrail Splice Details, see Base Sheet OS-A-11(M).

SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Grating, handrail and light support splices placed as needed.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±305 mm on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Structure Number	Station	a (m)	b (m)	c (m)	d (m)	e (m)	Walkway Grating and Handrail Lengths
IS0161080L162.6	6+546.200	2.88	27.70	3.62	—	—	27.7 m

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
COOK COUNTY

OVERHEAD SIGN STRUCTURES ALUMINUM WALKWAY DETAILS

SCALE:
DATE: 7/18/2005
DRAWN BY: NK
CHECKED BY: VCP

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

OS-A-9(M) 11/1/2002

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BAJZEK,KJ