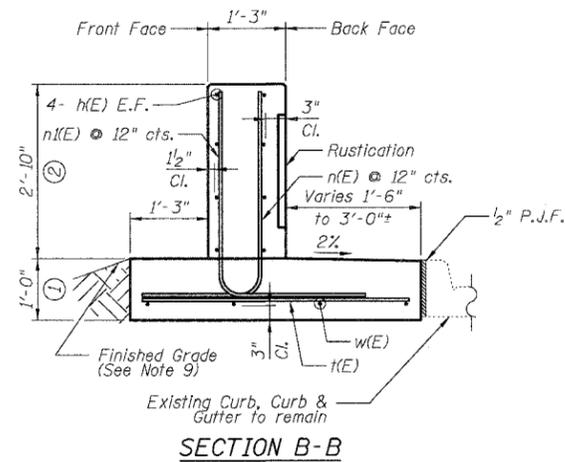
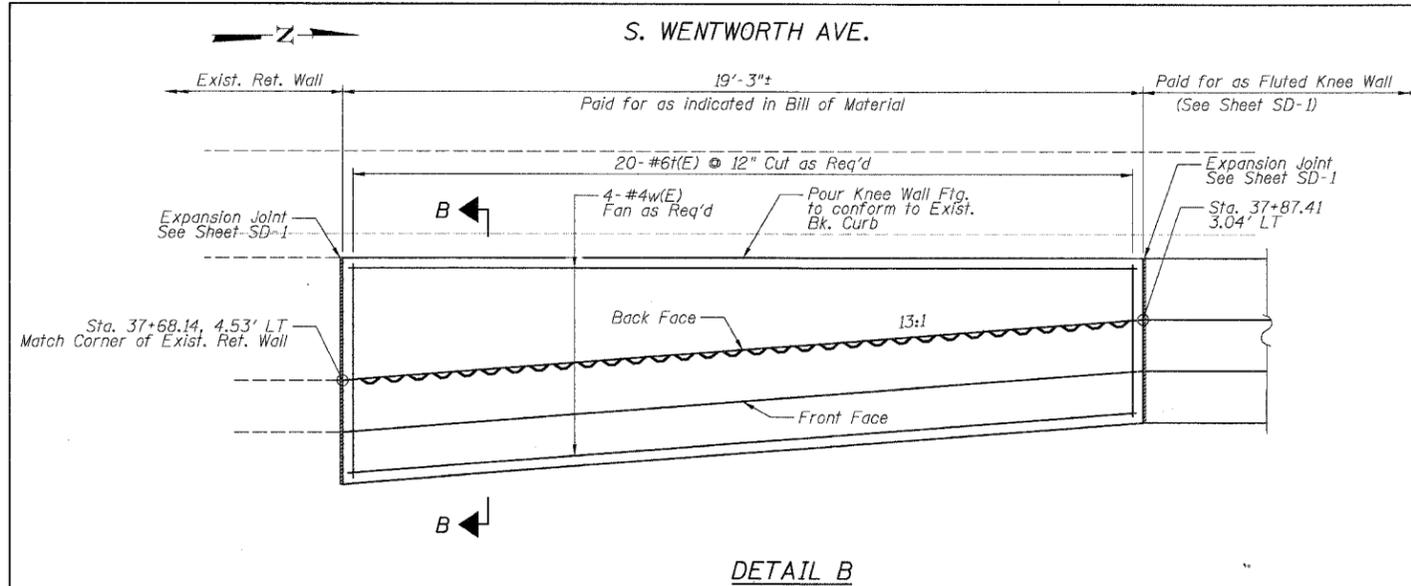


F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	25	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62996				

**DETAIL B REINFORCEMENT SCHEDULE AND BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
n(E)	8	#4	18'-10"	—
n(E)	20	#6	5'-6"	L
n(E)	20	#5	5'-10"	L
t(E)	20	#6	5'-2"	—
w(E)	4	#4	18'-10"	—
Item	Unit	Qty.		
① Concrete Structures	Cu. Yd.	3.4		
② Concrete Superstructure	Cu. Yd.	2.6		
Reinforcement Bars, Epoxy Coated	Pound	600		
Rustication Finish	Sq. Ft.	36		
Protective Coat	Sq. Yd.	14		

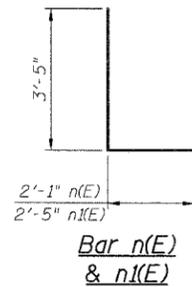


**DETAIL B**

**SECTION B-B**

**NOTES:**

- All stations and offsets measured from S. Wentworth Ave. @.
- Back Face is face adjacent to Frontage Rd. and Front Face is face adjacent to Expressway.
- Concrete:  $f'c = 3500$  psi
- Provide California Finish on top of Foundation between stem and Frontage Road. See Roadway Details.
- At locations where Fluted Knee Wall abuts a rigid Structure, a  $\frac{1}{2}$ " thick Preformed Expansion Joint Filler conforming to the shape of the Structure shall be installed between the Fluted Knee Wall and the Structure.
- Apply Protective Coat to top and back face of stem and top of Frontage Road side of foundation.
- For Fluted Knee Wall standard details, see Sheet SD-1
- B.F. = Back Face (Frontage Road Side)  
F.F. = Front Face (Expressway Side)  
E.F. = Each Face
- Shape finished grade as required to match existing conditions.
- P.J.F. included in cost of concrete structures.



**Bar n(E) & n(E)**

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.boandainc.com

REVISIONS	NAME	DATE

SHEET SD-3  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
SOUTHBOUND KNEE WALLS (43RD ST TO ROOT ST)  
**DETAILS B**  
SCALE: NTS  
DATE: 04/25/08  
DRAWN BY: TL  
CHECKED BY: BLU

4/24/2008 4:50:55 PM