### SUMMARY OF QUANTITIES

				100% STAT	
CODE NO.	ITEM	UNIT	QUANTITY	J000	
20200100	EARTH EXCAVATION	CU YD	108	108	
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	114	114	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6	6	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6	6	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6	6	
25001800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.06	0.06	
25100630	EROSION CONTROL BLANKET	SQ YD	273	273	
44004250	PAVED SHOULDER REMOVAL	SQ YD	84	84	
50300225	CONCRETE STRUCTURES	CU YD	9,4	9.4	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	8.2	8.2	
50300300	PROTECTIVE COAT	SQ YD	41	41	
50300510	RUSTICATION FINISH	SQ FT	88	88	
(50800205)	REINFORCEMENT BARS, EPOXY COATED	POUND	1,780	1,78	
66400550	CHAIN LINK FENCE, 4' (SPECIAL)	FOOT	515	515	
67100100	MOBILIZATION	L SUM	1	11	
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	26	26	
X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	515	515	
X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	129	129	
X0324640	FLUTED KNEE WALL	FOOT	425	425	
X2500322	SEEDING, CLASS 5A,(MODIFIED)	ACRE	0.06	0.06	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
				·········	
				·········	
				<b>-</b>	

F.A.I.	SECTION	COUNTY	TOTAL	SHEET NO.
94/90	*	соок	27	3
STA.		TO STA.		
FED. RO	AD DIST, NO. ILL	NOIS FED. AID	PROJECT	

62990

## INDEX OF SHEETS

DESCRIPTION

SHEET

1	COVER SHEET
2	GENERAL NOTES AND PROJECT COMMITMENTS
3	SUMMARY OF QUANTITIES / INDEX / HIGHWAY STANDARDS
4	EXISTING AND PROPOSED TYPICAL SECTIONS
5-9	ALIGNMENT PLANS, SURVEY TIES AND CONTROL POINTS
10-12	EXISTING AND PROPOSED KNEE WALL PLANS
13-15	STRUCTURAL DETAILS
16	BD-51 DISTRICT 1, BENCHING DETAIL FOR EMBANKMENT WIDENING
17	TC-10 DISTRICT 1, TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS & DRIVEWAYS
18	TC-17 DISTRICT 1, TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES
19	TC-18 DISTRICT 1, SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
20	TC-22 DISTRICT 1, ARTERIAL ROAD INFORMATION SIGN
21-27	CROSS SECTIONS

#### IDOT HIGHWAY STANDARDS

Martin Control of the				
SHEET	DESCRIPTION			
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS			
001001-01	AREAS OF REINFORCEMENT BARS			
001006	DECIMAL OF AN INCH AND OF A FOOT			
664001 <i>-01</i>	CHAIN LINK FENCE			
701601- <b>05</b>	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN			
701701- <b>05</b>	URBAN LANE CLOSURE, MULTILANE INTERSECTION			
701801-03	LANE CLOSURE, MULTILANE; 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE, for speeds < 45 mph			
701901	TRAFFIC CONTROL DEVICES			
720001	SIGN PANEL MOUNTING DETAILS			
720006 <i>-01</i>	SIGN PANEL ERECTION DETAILS			
728001	TELESCOPING STEEL SIGN SUPPORT			
731001	BASE FOR TELESCOPING STEEL SIGN SUPPORT			

S0Q-1

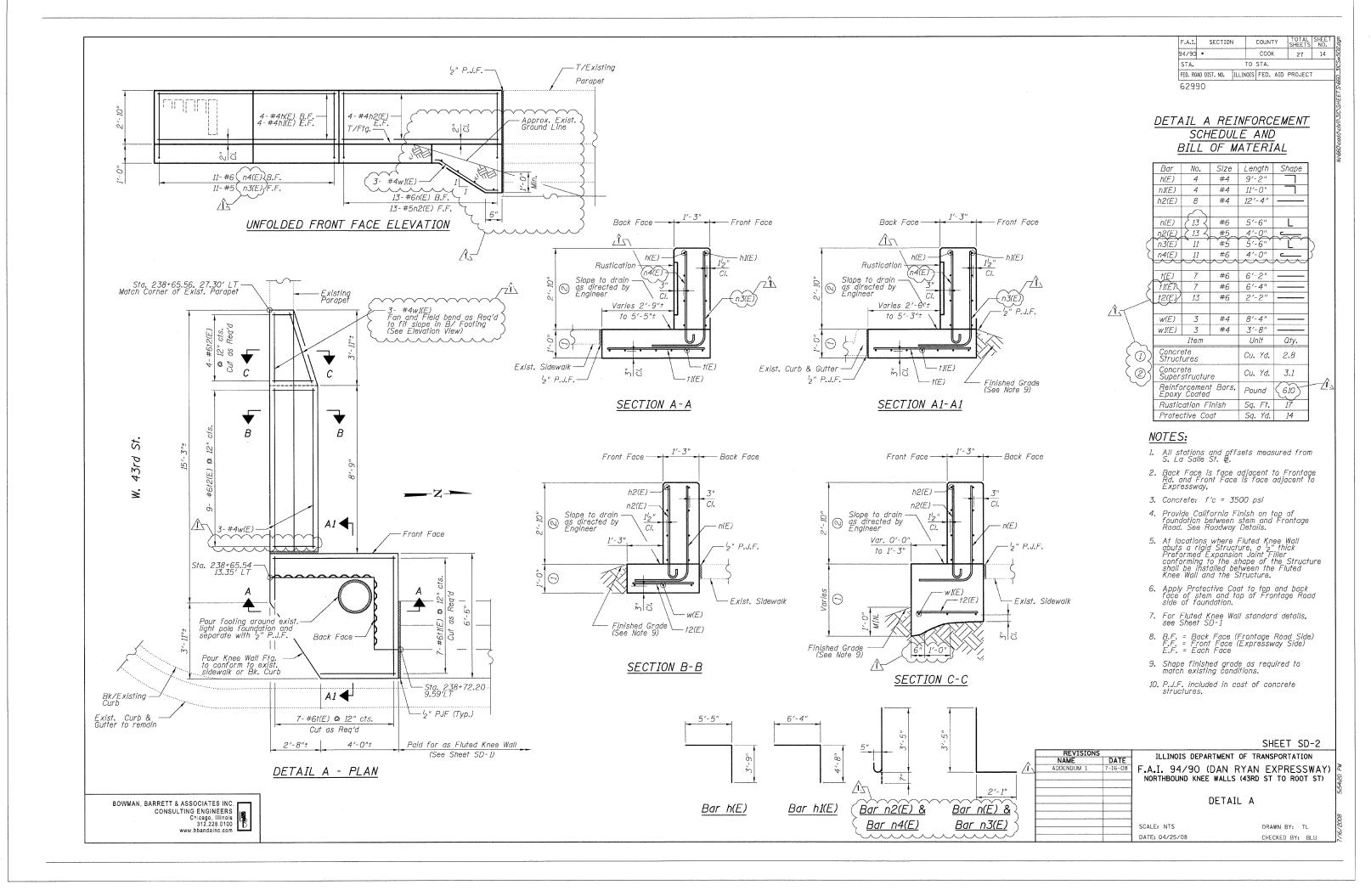
REVISIONS
NAME
DATE
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NORTHBOUND KNEE WALLS (43RD ST TO ROOT ST)

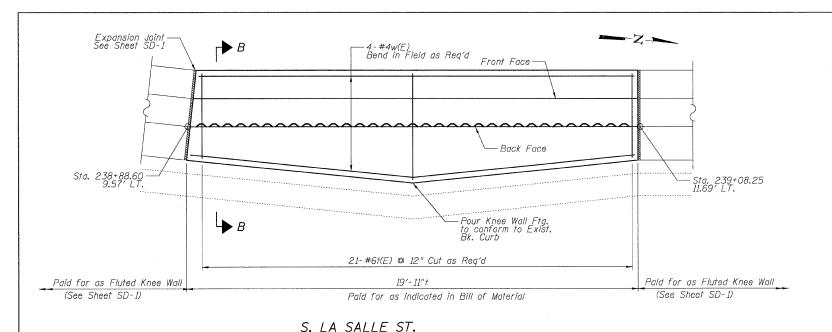
SUMMARY OF QUANTITIES

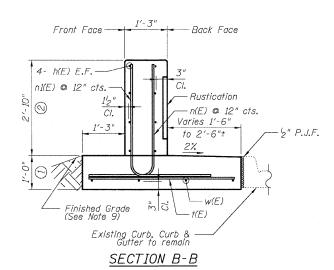
SCALE: NONE
DATE: 04/25/08

SCALE: NONE DRAWN BY: JDC
DATE: 04/25/08 CHECKED BY:

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, illinois
312 228 0100
www.bbandainc.com

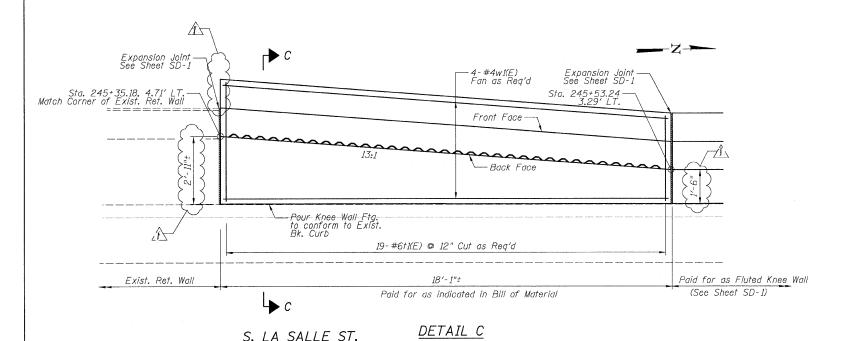


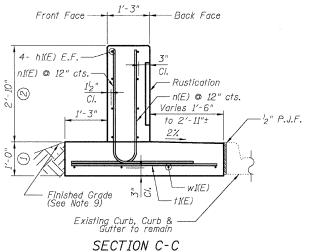






## <u>DETAIL B</u>





#### NOTES:

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

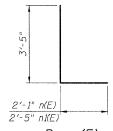
F.A.I.	SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
94/90	*		COOL	<	27	15
STA.		ТО	STA.			
FED. RO	AD DIST. NO.	ILLINOIS	FED.	AID	PROJECT	
6299	30					

## DETAIL B REINFORCEMENT SCHEDULE AND BILL OF MATERIAL

	-				
	Bar	No.	Size	Length	Shape
	h(E)	8	#4	19′-7"	
	n(E)	21	#6	5′-6"	L
	n1(E)	21	#5	5′- <i>1</i> 0"	L
	t(E)	21	#6	4′-8"	
	w(E)	4	#4	19'-7"	
	Item		Unit	Qty.	
1	Concrete Structures		Cu. Yd.	3.4	
2	Concrete Superstructure		Cu. Yd.	2.7	
	Reinforcement Bars, Epoxy Coated			Pound	610
	Rustication Finish			Sq. Ft.	37
	Protective Coat			Sq. Yd.	14

# DETAIL C REINFORCEMENT SCHEDULE AND BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	h1(E)	8	#4	17′-9"	
	n(E)	19	#6	5′-6"	L
	n1(E)	19	#5	5′- <i>10</i> "	L
	†1(E)	19	#6	5′-1"	
	w1(E)	4	#4	17′-9"	
				A	
		Item Concrete Structures		Unit	Qty.
1				Cu. Yd.	3.2
2	Concrete Superstructure			Cu. Yd.	2.4
	Reinforcement Bars, Epoxy Coated			Pound	560
	Rustic	ation F	Sq. Ft.	34	
	Protec	ctive Co	at	Sq. Yd.	13



<u>Bar n(E)</u> <u>& n1(E)</u>

SHEET SD-3

		3/1EE1 3B 3			
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION			
NAME	DATE	ILLINOIS DEFARIMENT OF TRANSFORTATION			
ADDENDUM 1	7-16-08	F.A.I. 94/90 (DAN RYAN EXPRESSWAY)			
		NORTHBOUND KNEE WALLS (43RD ST TO ROOT ST)			
		NONTHEOGRAP WILLS WILLS VIOLE OF TO HOOF OF			
/					
		DETAILS B & C			

SCALE: NTS DATE: 04/25/08

DRAWN BY: TL CHECKED BY: BLU

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