

Contractor to cut and dispose of soldier pile tops as required for paving and as directed by the Engineer. Cost to be included in "Furnishing Soldier Piles (HP Section)".

Exist barrier - Refacing not shown for clarity
2'-0"

Limits of Structure
Excavation

Soldier Pile
encasement

Exist barrier - Refacing
not shown for clarity
2'-0"

I'-3"

Before a Before a Proposed
Subbase

MISCELLANEOUS DETAILS

10" 8⁵8", -Drill and Epoxy Grout h3(E) Bars @ 2'-0" Horiz. cts. (5" Min. Embedment) #5 @ 12" - Bonded Const. Joint (Typ.) 5'-10"± #4 d3(E) Bar @ 12" cts. #4 d4(E) Bars @ 12" cts. 1'-2" 1'-4" Shoulder Pay Limit DETAIL 2

BILL OF MATERIAL									
Bar	79th No.	87th No.	95th No.	Size	Length	Shape			
d3(E)	528	518	627	#4	4'-9"				
d4(E)	528	<i>518</i>	627	#4	2'-8"				
d12(E)	4	4	2	#4	3'-4"				
h1(E)	108	108	174	#4	29'-7"				
h3(E)	792	777	941	#4	1'-6"	1			
h12(E)	6	6	3	#4	1'-4"				
h14(E)	8	- 8	4	#4	2'-2"	Ĺ			
Item			Unit	79th Qty	87th Qty	95th Qty			
Furnishing Soldier Piles			Foot	1056	1068	1332			
(HP Section)					*				
Drilling and Setting			Cu. Ft.	2753	2759	<i>351</i> 6			
Soldier Piles (in Soil)									
Untreated Timber Lagging			Sq. Ft.	778	872	1111			
Reinforcement Bars,									
Epoxy Coated			Pound	5570	<i>5510</i>	7510			
Concrete Structures			Cu. Yd.	63	6 4	78			
Protective Coat			Sq. Yd.	370	374	<i>4</i> 53			
Structure Excavation			Cu. Yd.	97	100	139			

* Coarse Aggregate shall meet the requirements of Article 1004.01-1004.02 of the Standard Specifications except the gradation will be limited to CA-11 or CA-14.

NOTES:

- Drilling and grouting of #4 h3(E) bars shall be in accordance with Section 584 of the Standard Specifications.
- 2. #4 d4(E) bars shall be seated in their final position prior to the placement of the concrete shoulder. Bars shall not be mucked into place.
- 3. The cost of drilling holes, furnishing and placing Epoxy Grout and setting #4 h3(E) bars shall be included in the cost for Concrete Structures.
- 4. Provide joints in facing to match those in the existing barrier, see Sht B1 for details.
- 5. h1(E) bars shall be cut as needed for fit.
- 6. See Sht. B1 for bar detailing.

SHEET B2 OF 8

CHECKED BY: PDF

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION					
NAME	DATE	ILLINOIS DEF	ARIMENT OF TRANSPO	RIAIION			
		F.A.I. 94 (D	AN RYAN EXPRE	SSWAY)			
		CTA STATION B	ARRIER WALL MODI	FICATIONS			
		79TH, 87TH AND 95TH STREET STATION TYPICAL SECTIONS & DETAILS					
		SCALE: NONE	DRAWN BY:	MPG, SP			

DATE: MARCH 1, 2006

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