

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COCK	598	409
STA.	TO STA.		FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT	
			* (1818), ETC., 2324-2-LDR-9 62302	

CTA BARRIER WALL LOCATION AND MODIFICATION TABLE

STATION	CONTRACT 62300 - NORTH BOUND EXPRESS LANES						CONTRACT 62302 - SOUTH BOUND EXPRESS LANES							
	Soldier Piles			Proposed T / Shoulder At or Above Existing		Proposed T / Shoulder Below Existing		Soldier Piles			Proposed T / Shoulder At or Above Existing		Proposed T / Shoulder Below Existing	
	Size	Length	Max. Spacing	Location	Modification	Location	Modification	Size	Length	Max. Spacing	Location	Modification	Location	Modification
35th St.	W12x120	30'		Sta. 2620+38 to 2625+07 Sta. 2621+15 to 2622+34 Sta. 2622+36 to 2625+07	6" Facing	-----	-----	W12x120	30'	5'-0"	Sta. 1609+39 to 1624+89 Sta. 1622+64 to 1624+89	6" Facing	-----	-----
47th St.	W12x106	20'		-----	-----	Sta. 2529+46 to 2540+38	1'-4 1/2" Facing	W12x72	20'	6'-6"	Sta. 1529+36 to 1537+94	6" Facing	-----	-----
55th St.	W12x106	20'		-----	-----	Sta. 2476+01 to 2484+81	1'-4 1/2" Facing	W12x106	20'	8'-0"	-----	-----	Sta. 1475+84 to 1484+69	1'-4 1/2" Facing
69th St.	W12x72	20'		Sta. 2372+94 to 2379+56	②	-----	-----	W12x106	20'	8'-0"	Sta. 1372+75 to 1374+50	①	Sta. 1374+50 to 1378+53	①

- ① Replace Exist. 32" Barrier with Single Face Barrier, 42" Spacing
- ② Reface Existing CTA Barrier Wall with Vertical Facing

GENERAL NOTES:

DESIGN STRESSES:

FIELD UNITS

f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinf.)

1. Utility locations shown on these plans may not be correct or complete. The Contractor shall coordinate construction activities with the respective utilities of the city of Chicago. Before starting any excavation, the Contractor shall call "GUAN" (Chicago Utility Alert Network) at 312-744-7000 for field locations of buried electric, telephone, and gas facilities (48 hour notification is required). Contact the department of water management permit section at (312) 747-7893 for water and sewer locations.
2. In locations where the main sewers, drainage structures, public, and private drain connections are disturbed or damaged during construction by the Contractor, it will be the Contractor's responsibility to restore and replace the damaged facilities at his/her own expense to the satisfaction of the department of water management. The sewer flows must be maintained at all times.
3. In locations where pilings/drilled shafts are being proposed in the vicinity of the existing sewer facilities, a licensed Structural Engineer shall approve construction methods of support in order to maintain the structural integrity of the city's sewer system.
4. The Location of various items such as pavement, drainage structures, barrier walls and sign structure foundations built in contracts under construction during the preparation of these plans is based on the published contract plan drawings available during design. The Contractor must field verify limits, locations and elevations of these previously constructed items.
5. The Contractor shall use care in grading or excavating near any and all existing items which will not be removed. Any damage done to existing items by the Contractor shall be repaired by the Contractor at the Contractor's own expense.
6. The Contractor shall take all necessary safety precautions to protect and provide access to abutting CTA property, utilities and vehicular traffic.
7. It shall be the Contractor's responsibility to ensure that no gap remains between proposed CTA fencing or where proposed CTA fencing terminates and existing CTA fence remains in place.
8. Hammer driving of piles will not be allowed. All piles must be lifted or vibrated into place.
9. Plan dimensions and details relating to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation or a change in the scope of work. However the Contractor will be paid for the quantity actually furnished at the unit price for the work.
10. All construction joints shall be bonded.
11. All exposed concrete edges shall have a 3/4" by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
12. A protective coat shall be applied within the limits shown on the plans according to Section 503.09 of the Standard Specifications.
13. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
14. Reinforcement bars designated "E" shall be epoxy coated.

15. For Existing Barrier Wall Modifications for Proposed T / Shoulder Below Existing, See Sheets B2 and B3.
16. For Existing Barrier Wall Modifications for Proposed T / Shoulder At or Above Existing, See Sheet B4 and B5.
17. For Existing Barrier Wall Modifications for 69th St. Station (SB) See Sheet B6.
18. For Existing Barrier Wall Modifications for 69th St. Station (NB) See Sheet B7.
19. For Refaced Barrier to Pier, Transition Details (Taper), Proposed T / Shoulder Below Existing, See Sheet B8.
20. For Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder Below Existing, See Sheet B9.
21. For Refaced Barrier to Pier, Transition Details (Taper), Proposed T / Shoulder At or Above Existing, See Sheet B10.
22. For Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder At or Above Existing, See Sheet B11.
23. For New 42" Barrier to Vert. Refaced Barrier, Transition Details (Taper), Proposed T / Shoulder At or Above Existing, See Sheet B12.
24. For Vert. Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder At or Above Existing, See Sheet B13.
25. For Refaced Barrier to New 42" Barrier, Transition Details, Proposed T / Shoulder Below Existing, See Sheet B14.
26. For Refaced Barrier to New 42" Barrier, Transition Details, Proposed T / Shoulder At or Above Existing, See Sheet B15.
27. For New 42" Barrier to Pier, Transition Details, Proposed T / Shoulder Below or Above Existing, See Sheet B16.
28. For Refaced Barrier to New Sign Structure, Transition Plan, Elevation and Details, Proposed T / Shoulder Below Existing, See Sheets B17 and B18.
29. If the Contractor chooses to alter the temporary soldier pile and lagging system shown in the Plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

CTE | AECOM

REVISIONS	
NAME	DATE
M.P.	8-12-05
M.P.	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

EXISTING BARRIER WALL  
AT CTA STATIONS  
LOCATION AND MODIFICATION TABLE

SCALE: None  
DATE: July 7, 2005  
DRAWN BY: KWT  
CHECKED BY: RDP

Sheet B1 of B8

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