STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	263
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62693

MATCH LINE STA 129+12.46 SEE SHEET Z9

MATCH LINE STA 126+88.18 SEE SHEET Z7

Unit 10 | Unit 9 | Unit 8 | Unit 7 | Fluted Parapet | Parapet Transition | Modified Barrier

25'-0" | 2 Panels @ 25'-0" = 50'-0" | 3 Panels @ 25'-0" = 75'-0" | 3 Panels @ 25'-0" = 75'-0"

Panel 20 | Panel 18 | Panel 19 | Panel 17 | Panel 16 | Panel 17 | Panel 15 | Panel 14 | Panel 15A

T/Wall El 19.10 | T/Wall El 19.23 | T/Wall El 19.37 | T/Wall El 19.50 | T/Wall El 19.57 | T/Wall El 19.63 | T/Wall El 19.70 | T/Wall El 19.77 | T/Wall El 19.83 | T/Wall El 19.29

2'-10" Typ

Top of Fluted Parapet

Typ Reinf Panels 14 thru 20

25-#6d4(E) @ 12" BF
25-#5d2(E) @ 12" FF

For Configuration & Reinf. of Parapet Transition see Sht Z14.

16-#5h2(E) @ 12"(-) EF

El 8.13

-0.005 Ft/Ft Min

Invert El 4.50

21-#5h2(E) @ 12" EF

21-#5h1(E) @ 12" EF

22-#5h1(E) @ 12" EF

Top of Single Face Barrier (See Civil Dwg)

22-#5h2(E) @ 12" EF

Top of Slope Paving

22-#5h1(E) @ 12"(+) EF

25-#5h1(E) @ 12"(+) EF

10'-0"

2-#5h5(E) @ 15" EW & EF, Cut to Fit

25-#5h2(E) @ 12"(+) EF

25-#5h1(E) @ 12"(±) EF

El 1.78

-0.005 Ft/Ft Min

Invert El -4.00

Btm/Ftg El 2.00

Invert El 4.75

Pipe Underdrain, 6" (Typ) Invert El -0.75 For 45° Bend, See Detail 4, Sheet Z13

Btm/Ftg El -3.00

T/Shld at Front Face of Wall

Btm/Ftg El -4.00

Invert El -1.50

Btm/Ftg El -7.00

9"

2'-0" Typ

Non-Metallic Sleeve & Grout for Underdrain Outlet Pipe. Space n, v & h Bars to miss Sleeve. See Sheet SD7 Invert El -4.50

3" | 25-#6n17(E) @ 12" BF | 9"
25-#6v4(E) @ 12" BF

9" | 25-#9n16(E) @ 12" BF | 3"
25-#6v4(E) @ 12" BF

25-#5n6(E) @ 12" FF
25-#5v6(E) @ 12" FF

3" | 25-#9n15(E) @ 12" BF | 9"
25-#6v7(E) @ 12" BF

9" | 25-#9n14(E) @ 12" BF | 3"
25-#6v4(E) @ 12" BF

25-#5n6(E) @ 12" FF
25-#5v14(E) @ 12" FF

Vertical Reinforcement
Typ for Panels 18 and 19

3" | 25-#9n15(E) @ 12" BF | 9"
25-#6v7(E) @ 12" BF

9" | 25-#9n14(E) @ 12" BF | 3"
25-#6v4(E) @ 12" BF

25-#5n6(E) @ 12" FF
25-#5v11(E) @ 12" FF

Vertical Reinforcement
Typ for Panels 16 and 17

3" | 25-#9n15(E) @ 12" BF | 9"
25-#6v12(E) @ 12" BF

9" | 25-#9n14(E) @ 12" BF | 3"
25-#6v9(E) @ 12" BF

25-#5n6(E) @ 12" FF
25-#5v13(E) @ 12" FF

Vertical Reinforcement
Typ for Panels 14, 15 and 15A

FRONT FACE ELEVATION

(Looking East)
Rustication not shown for clarity

34-#7t12(E) @ 9"(-) T
26-#5t13(E) @ 12"(-)B

11-#5w12(E) @ 12"(-) T/Step

11-#5w4(E) @ 12"(-) T&B

11'-0"

PT Sta 129+12.46
11'-4¼" Lt

11-#5w13(E) B/Step Spaced with w4(E) B bars

9-#5l13(E) See Detail 3 Sheet Z11

67-#9t8(E) @ 9" T
51-#6t9(E) @ 12"(-) B

17x2-#5w3(E) @ 12"(-) T&B

17-#5w10(E) @ 12" T/Step

16'-0"

Sta 128+87.61
14'-1⅜" Lt

Sta 128+62.74
16'-8⅛" Lt

17-#5w11(E) B/Step Spaced with w3(E) B bars

3-#5t15(E) See Detail 2 Sheet Z11

Sta 128+37.85
19'-0¼" Lt

150-#9t6(E) @ 6" T
76-#6t7(E) @ 12"(-) B

16x3-#5w3(E) @ 12"(-) T&B

15'-0"

Sta 128+12.94
21'-1⅞" Lt

16-#5w6(E) @ 12"(-) T/Step

Sta 127+88.01
23'-1" Lt

16-#5w7(E) B/Step Spaced with w3(E) B bars

6-#5t14(E) See Detail 1A Sheet Z11

Sta 127+63.07
24'-9¾" Lt

150-#10t10(E) @ 6" T
76-#7t11(E) @ 12"(-) B

18x3-#5w3(E) @ 12"(-) T&B

17'-0"

Sta 127+38.12
26'-3⅞" Lt

Sta 127+13.15
27'-7⅝" Lt

Sta 126+88.18
28'-8⅞" Lt

N

FOOTING PLAN

Sheet Z8 of 21

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
DETAILED PLAN AND ELEVATION
SOUTH WENTWORTH AVENUE RETAINING WALL
WEST 59TH STREET TO WEST 63RD STREET
SECTION 2021-922PT.1-AC
STATION 122+46.54 TO 130+53.87
COOK COUNTY S.N. 016-W887-W965

SCALE: None | DRAWN BY: ET
DATE: October 29, 2004 | CHECKED BY: JSS/MM

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5212. PHONE: (312) 938-0300

#A3-40468.STrucV4-c.dgn \\Stw965vrt\dsk\Stw965\RT\05\D2\A016w965.Str
11/23/2004 04:21:27 PM