F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	245

STA. 1200+00.00 TO STA. 1365+00

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

• (516.1,1717 & 1818) R-9

62695

P:\02373\Road\CTY\dgn\FBsht23a.dgn

PLAN — SURVEYED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

EXISTING PROFILE ℄ LAFAYETTE AVENUE

PROPOSED PROFILE SE 95th ST. EXIT RAMP

EXISTING GROUND PROFILE AT PROPOSED ℄

RIM EL. = 3.58

RIM EL. = 7.03

RIM EL. = 12.08

RIM EL. = 15.90

RIM EL. = 15.40

RIM EL. = 16.01

RIM EL. = 16.17

+0.53% +0.43% +0.43% +3.33% +0.47% +0.17%

11'-SS, TY-2 27" RCP @ 0.64%
INV. U/S = -5.30
INV. D/S = -5.37 (1113)

INV. EL. = -3.49

166'-SS, TY-2 24" RCP @ 1.72%

INV. EL. = -0.63

155'-SS, TY-2 24" RCP @ 1.72%

INV. EL. = -0.56

INV. EL. = 2.10

INV. EL. = 4.10

140'-SS, TY-2 24" RCP @ 1.18%

INV. EL. = 5.75

132'-SS, TY-2 24" RCP @ 1.18%

INV. EL. = 5.81

INV. EL. = 7.37

INV. EL. = 9.37

102'-SS, TY-2 12" RCP @ 0.45%

80'-SS, TY-2 12" RCP @ 0.45%

INV. EL. = 9.83

INV. EL. = 10.19

EXISTING GROUND AT PROPOSED ℄
PROPOSED PROFILE GRADE LINE

7402+00	7403+00	7404+00	7405+00	7406+00	7407+00	7408+00	7409+00	7410+00	7411+00	7412+00	7413+00	7414+00	7415+00	7416+00	7417+00
2.21 2.56	2.85 2.93	2.80 2.96	3.17 3.30	3.41 1.56	3.33 1.69	3.47 1.82	3.66 1.93	3.73 2.04	3.86 2.14	3.77 2.25	3.82 2.36	3.92 2.47	3.90 2.62	3.87 2.83	4.24 3.08
4.76 3.38	5.21 3.74	5.42 4.14	6.43 4.60	7.11 5.10	7.72 5.66	8.47 6.26	8.92 6.92	9.65 7.63	10.20 8.38	10.83 9.19	11.70 10.02	12.44 10.85	13.03 11.69	13.54 12.52	13.99 13.35
14.48 14.15	14.86 14.76	15.14 15.18	15.44 15.39	15.63 15.51	15.71 15.63	15.78 15.75	15.83 15.86	15.94 15.98	16.04 16.10	16.12 16.18	16.18 16.23	16.25 16.27	16.32 16.32	16.36 16.36	16.37 16.40
16.42 16.44	16.45 16.49	16.36 16.30	16.25 16.14	16.03 15.96	15.91 15.79										

EXISTING GROUND AT PROPOSED ℄
PROPOSED PROFILE GRADE LINE

SB 95th ST. EXIT RAMP

EXISTING PROFILE ℄ LAFAYETTE AVENUE

EXISTING GROUND PROFILE AT PROPOSED ℄

PROPOSED PROFILE SB 87th ST. ENTRANCE RAMP

RIM EL. = 6.83

RIM EL. = 5.96

RIM EL. = 5.65

RIM EL. = 5.13

RIM EL. = -0.01

RIM EL. = .13

RIM EL. = -1.08

RIM EL. = -0.81

-0.59% -0.30% -0.30% -3.97%

141'-SS, TY-2 12" RCP @ 1.00%
INV. EL. = -0.79

93'-SS, TY-2 18" RCP @ 1.00%
INV. EL. = -2.20

128'-SS, TY-2 18" RCP @ 1.00%
INV. EL. = -4.67

166'-SS, TY-2 18" RCP @ 1.00%
INV. EL. = -5.95

INV. EL. = -3.74

-3.97% -1.56%

38'-SS, TY-2 18" RCP @ 0.65% (1523)
INV. EL. = -11.68

27'-SS, TY-2 24" RCP @ 0.48%
INV. EL. U/S = -11.68
INV. EL. D/S = -11.81 (152)

189'-SS, TY-2 18" RCP @ 0.65%

INV. EL. = -7.61
INV. EL. = -9.61
INV. EL. = -9.69
INV. EL. = -10.92
INV. EL. = -11.18
INV. EL. = -11.68

1511 15'-SS, TY-2 18" RCP @ 0.62%

EXISTING GROUND AT PROPOSED ℄
PROPOSED PROFILE GRADE LINE

7197+00	7198+00	7199+00	7200+00	7201+00	7202+00	7203+00	7204+00	7205+00	7206+00	7207+00	7208+00
8.00 7.75	7.66 7.67	7.52 7.29	7.37 7.23	7.23 6.98	7.08 6.84	6.93 6.66	6.79 6.62	6.64 6.49	6.49 6.38	6.35 6.26	6.21 6.17
6.14 5.91	6.06 6.48	5.99 6.47	5.91 6.51	5.84 6.74	5.76 6.80	5.69 7.02	5.61 6.84	5.54 6.32	5.37 6.20	4.92 6.13	4.18 5.96
3.23 5.84	2.32 6.24	1.49 6.07	0.74 6.06	0.07 6.41	-0.52 6.61	-1.03 7.00	-1.47 7.39	-1.83 7.66	-2.11 7.78	-2.31 7.89	-2.43 8.21
-2.47 8.37	-2.44 8.29	-2.33 8.10	-2.13 7.76	-1.86 7.46	-1.52 7.20	-1.13 6.88	-0.74 6.60	-0.35 6.32	0.03 5.97	0.42 5.60	0.81 5.22

EXISTING GROUND AT PROPOSED ℄
PROPOSED PROFILE GRADE LINE

SB 87th ST. ENTRANCE RAMP

HORIZONTAL SCALE: 1" = 50'-0" (50 0 50 100)

VERTICAL SCALE: 1" = 5'-0" (5 0 5 10)

TYLIN INTERNATIONAL

SHEET 2 OF 9

REVISIONS NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

DRAINAGE PROFILES
SB 95th ST. EXIT RAMP
SB 87th ST. ENTRANCE RAMP

SCALE: 1"=50' HORIZ. 1"=5' VERT.
DATE: MARCH 25, 2005
DRAWN BY: NSB
CHECKED BY: DA

4/29/2005 12:33:23 PM