STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.: 32646

DRAWN BY	CJD	4-10-02
CHECKED BY	SEK	4-10-02
APPROVED BY	TDB	4-10-02

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	3277R	COOK	541	248
STA. 2+450		TO STA. 2+595		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LEGEND

B-43 — BORING PERFORMED BY STS CONSULTANTS LTD. (FEB. 2002)

B-43 — BORING NO.

N, Qp (kPa) 8, 175 — 22.1, 200 WATER CONTENT (%), Qu (kPa)

WATER LEVEL DURING DRILLING — DELAYED WATER LEVEL

DRY — NOTE: DRY INDICATED IF GROUNDWATER NOT ENCOUNTERED

NOTE:
THE STRATA LINES SHOWN ARE INTERPOLATED FROM DATA OBTAINED AT BORING LOCATIONS. ACTUAL SOIL CONDITIONS IN-SITU MAY VARY.

LOOMIS STREET

END IMPROVEMENT 20.30 m LT

P.C. CONC. SIDEWALK 1.5 m (TYP.)

+455 13.72 m LT

+455 11.30 m LT

EXISTING ROW

PROPOSED ROW

730 mm

R=9.0 m

+491.87 13.72 m

+490.77 8.25 m LT

+499.77 17.25 m RT

+508.87 11.25 m RT

+511.87 8.25 m LT

+516.26 15.24 m LT.

+530 15.24 m LT.

+530 13.72 m LT

R=3.0 m

BUS SHELTER PAD 2.7 m X 7.8 m

COMB. CONC. C&G TY B-15.60 (TYP.)

END IMPROVEMENT 14.57 m LT

+570.79 11.85 m

+568.79 13.72 m

R=3.0 m (TYP.)

+572.65 (ALLEY) CONC.

+574.80 13.72 m

+585.64 11.85 m LT

+574.39 11.85 m LT

+587.5 (RE) CONC.

+589.24 11.85 m LT

CONSTRUCTION LIMITS (TYP.)

N

MATCH LINE STA 2+450

MATCH LINE STA 2+595

U.S. ROUTE 6

(159th STREET)

PDT STA 2+499.95

90°00'02"

89°39'41"

2+500

2+550

STA. 2+504.119

PROP. ~

FENCE REMOVAL, 35 m

+490.92 8.25 m RT

B-14

+454.56 11.85 m RT

+465.06 11.85 m RT

+517.51 8.25 m RT

+592.24 8.25 m RT

R=3.0 m (TYP.)

EXISTING ROW

TEMP. CONST. EASEMENT 2 m X 27 m

+494.05 11.30 m RT

R=9.0 m TYP.

+499.92 17.25 m RT

+508.51 17.25 m RT

+514.18 13.00 m RT

+536.60 12.85 m RT

+544.03 12.85 m RT

+540.27 (CB) CONC.

PHONE

R=4.0 m (TYP.)

+557

+562.6 13.00 m RT

+562.6 15.24 m RT

P.C. CONC. SIDEWALK 1.5 m (TYP.)

PROPOSED ROW

+453.30

+467.80

+459.85 (CE) CONC.

TEMP. CONST. EASEMENT 3 m X 14.5 m

BEGIN IMPROVEMENT 13.60 m RT

BEGIN IMPROVEMENT 20.20 m RT

Buster's Diner

C

8.6

E-E

F-F

20.1

50.000 m V.C.
ex = 0.062
K = 50

+466.000 EL. 185.235

+516.000 EL. 184.240

+555.000 EL. 185.439

VPI STA. 2+580.000 ELEVATION 185.555

BUILDING TO BE REMOVED

LEGEND:
- DRIVEWAY TO BE CLOSED
- TREE TO BE REPLACED
- TREE TO BE PROTECTED
- REMOVAL

0 12.5 25
HORIZONTAL SCALE IN METERS

0 1 2
VERTICAL SCALE IN METERS

ASPHALT (51mm)
GRAVEL BASE COURSE (76mm)

ELEV.=185.43m
OFFSET=6.86m RIGHT

B-14

EXISTING GRADE LINE

PROPOSED GRADE LINE

-0.499% +0.500% +0.500% -0.500%

14, 145 21.5, 180 B

21, 290 19.3, 290 B

27, 430+ 16.0, 450 B

43, 430+ 12.9, 860 S

32, 430+ 10.2

DRY

STIFF TO VERY STIFF, BROWN TO GRAY CLAY

HARD, BROWN TO GRAY CLAY

APPROXIMATE LIMITS OF SUBSURFACE EXPLORATION

50.000 m V.C.
ex = -0.062
K = 50

185.0 / 184.0 / 183.0 / 182.0

	2+450.0	2+462.5	2+475.0	2+487.5	2+500.0	2+512.5	2+525.0	2+537.5	2+550.0	2+562.5
EXISTING GRADE LINE ELEV.	185.472	185.464	185.449	185.433	185.416	185.396	185.374	185.339	185.292	185.258
PROP. GRADE LINE ELEV.	185.315	185.252	185.198	185.174	185.181	185.219	185.280	185.343	185.405	185.462

	2+575.0	2+587.5	2+595.0
	185.223 185.490	185.195 185.487	185.180 185.470

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

PLAN AND PROFILE
STA. 2+450 TO STA. 2+595

DRAWN BY VAP
CHECKED BY JRP
DATE 12/20/00

FINAL SURVEY PLOTTED NOTE BOOK TEMPLATE AREAS AREAS CHECKED NO. BY DATE

ORIGINAL SURVEYED SURVEY PLOTTED NOTE BOOK TEMPLATE AREAS AREAS CHECKED NO. BY DATE

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2+450_2+595.dwg
04/05/2002 10:39