



STATION EQUATIONS				NORTHING	EASTING
1	STA. 10+700.101 (RAMP L-3)	= STA. 100+112.434 (WASHINGTON ST.)	443,936.0747	750,626.5117	
2	STA. 10+000.000 (RAMP L-4)	= STA. 100+084.662 (WASHINGTON ST.)	443,919.8759	750,603.9551	
3	STA. 153+868.502 (W.B. I-74)	= STA. 100+006.967 (WASHINGTON ST.)	443,879.0165	750,537.9009	
4	STA. 10+000.000 (EX. RAMP L-3)	= STA. 154+414.971 (W.B. I-74)	443,408.5160	750,816.0100	
5	STA. 10+700.106 (EX. RAMP L-3)	= STA. 100+112.381 (WASHINGTON ST.)	443,396.0430	750,626.4690	
6	STA. 10+000.000 (EX. RAMP L-4)	= STA. 100+087.395 (WASHINGTON ST.)	443,921.4310	750,606.2030	
7	STA. 10+457.741 (EX. RAMP L-4)	= STA. 153+896.551 (W.B. I-74)	443,861.7070	750,564.2130	

PROPOSED CURVE DATA					
CURVE NO.	931	932	941	942	943
ALIGNMENT	RAMP L-3	RAMP L-3	RAMP L-4	RAMP L-4	RAMP L-4
DESIGN SPEED	80 KM/H	50 KM/H	40 KM/H	50 KM/H	80 KM/H
P.I. STA	10+319.079	10+513.223	10+606.856	10+319.393	10+359.329
Δ	35°07'53"	51°07'19"	167°21'05"	17°26'16"	11°12'36"
R	240.235 m	85,000 m	50,000 m	115,000 m	230,000 m
T	76.049 m	40.654 m	451.140 m	17.636 m	22.572 m
L	147.302 m	75.841 m	146.042 m	35.000 m	45.000 m
E	11.750 m	9.222 m	403.903 m	1.344 m	1.105 m
S.E.	+8.0%	-8.0%	+8.0%	+8.0%	+8.0%
TRANSITION IN	10+200-10+264	10+437-10+497	10+126-10+171	N/A	N/A
TRANSITION OUT	10+359-10+437	10+524-10+595	N/A	N/A	10+342-10+472
P.C. STA	10+243.030	10+472.569	10+155.715	10+301.757	10+336.757
P.T. STA	10+390.332	10+548.410	10+301.757	10+336.757	10+381.757

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	932
STA. 153+892.18		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

EXISTING CURVE DATA					
CURVE NO.	901	902	903	904	905
ALIGNMENT	WASHINGTON	WASHINGTON	WASHINGTON	WASHINGTON	WASHINGTON
DESIGN SPEED	50 KM/H	50 KM/H	50 KM/H	50 KM/H	50 KM/H
P.I. STA	99+772.199	99+892.129	100+003.007	100+094.679	100+181.232
Δ	30°46'26"	12°58'34"	2°59'05"	8°34'36"	31°04'20"
R	179.881 m	640.306 m	1484.828 m	706.913 m	121.376 m
T	49.504 m	72.819 m	38.682 m	53.008 m	33.743 m
L	96.615 m	145.015 m	77.346 m	105.818 m	65.824 m
E	6.687 m	4.127 m	0.504 m	1.985 m	4.603 m
S.E.	N.C.	N.C.	N.C.	N.C.	N.C.
TRANSITION IN	N/A	N/A	N/A	N/A	N/A
TRANSITION OUT	N/A	N/A	N/A	N/A	N/A
P.C. STA	99+722.695	99+819.310	99+964.325	100+041.671	100+147.489
P.T. STA	99+819.310	99+964.325	100+041.671	100+147.489	100+213.313

CURVE LAYOUT DATA									
CURVE NO.	PI STA.	NORTHING	EASTING	PC/PCC STA.	NORTHING	EASTING	PT/PCC STA.	NORTHING	EASTING
901	99+772.199	443,792.2250	750,318.2400	99+722.695	443,805.5884	750,270.5743	99+819.310	443,805.1316	750,366.0314
902	99+892.129	443,824.1169	750,436.3320	99+819.310	443,805.1316	750,366.0314	99+964.325	443,858.4032	750,500.5742
903	100+003.007	443,876.6163	750,534.6999	99+964.325	443,858.4032	750,500.5742	100+041.671	443,896.5814	750,567.8310
904	100+094.679	443,923.9409	750,680.2326	100+041.671	443,896.5814	750,567.8310	100+147.489	443,957.7653	750,654.0464
905	100+181.232	443,979.2967	750,680.0270	100+147.489	443,957.7653	750,654.0464	100+213.313	444,011.1478	750,691.1670
931	10+319.079	443,597.5132	750,726.4363	10+243.030	443,529.4402	750,760.3404	10+390.332	443,672.6958	750,737.8812
932	10+513.223	443,794.1865	750,756.3755	10+472.569	443,753.9954	750,750.2573	10+548.410	443,824.1759	750,728.9276
941	10+606.856	443,504.0049	751,045.9111	10+155.715	443,813.1661	750,717.3582	10+301.757	443,733.7196	750,657.6345
942	10+319.393	443,742.6998	750,642.4556	10+301.757	443,733.7196	750,657.6345	10+336.757	443,755.8160	750,630.6655
943	10+359.329	443,772.6028	750,615.5758	10+336.757	443,755.8160	750,630.6655	10+381.757	443,792.0029	750,604.0374

EXISTING RAMP L-3 & L-4 STATION SHOWN FOR PAVEMENT REMOVAL ONLY. CURVE DATA NOT REQUIRED.

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED



REVISIONS	
NAME	DATE

SHEET 1 OF 2

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHMATIC DRAWING

F.A.I. ROUTE 74 (I-74)

STA. 153+892.180 TO 154+500

DATE 01/07/2005

DRAWN BY

CHECKED BY

01/07/2005 05:45:57 PM
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05