

U.S. ROUTE 150 - LEROY, ILLINOIS
 COST COMPARISON
 STORM SEWER

ITEM	UNIT	QUANTITY		UNIT COST	TOTAL COST	
		STATE	CITY		STATE	CITY
TRENCH BACKFILL	C.Y.	8000	10700	\$20.00	\$160,000.00	\$214,000.00
12" RCCP STORM SEWER	L.F.	3950	3950	25.00	98750.00	98750.00
15" RCCP STORM SEWER	L.F.	1850	1525	30.00	55500.00	45750.00
18" RCCP STORM SEWER	L.F.	665		35.00	23275.00	0.00
24" RCCP STORM SEWER	L.F.	1015	1260	45.00	45675.00	56700.00
30" RCCP STORM SEWER	L.F.	3220	85	55.00	177100.00	4675.00
36" RCCP STORM SEWER	L.F.	2145		65.00	139425.00	0.00
42" RCCP STORM SEWER	L.F.		1575	80.00	0.00	126000.00
48" RCCP STORM SEWER	L.F.		2300	95.00	0.00	218500.00
54" RCCP STORM SEWER	L.F.		2145	110.00	0.00	235950.00
INLET	EACH	52		1000.00	52000.00	52000.00
CATCH BASIN	EACH	55		2000.00	110000.00	110000.00
4' DIA MANHOLE	EACH	28		1500.00	42000.00	42000.00
5' DIA MANHOLE	EACH	36		2000.00	72000.00	32000.00
6' DIA MANHOLE	EACH	13		2500.00	32500.00	85000.00
RC END SECTION, 12"	EACH	1		300.00	300.00	300.00
RC END SECTION, 36"	EACH	1		1000.00	1000.00	0.00
RC END SECTION, 54"	EACH		1	2000.00	0.00	2000.00
TOTAL				\$849,525.00	\$1,109,625.00	

Total cost attributable to oversizing the IDOT Sewer System due to inflows from the City of LeRoy = \$260,100.00

WATER MAIN COST SHARE DETERMINATION

Cost of Relocating 4" Diameter Water Main (East Street to Park Street)

Length x Unit Price = Cost

783 Meters (2,570') x \$22 = \$56,540

Cost of Upsizing to 8" Diameter Water Main (East Street to Park Street)

Length x Unit Price = Cost

783 Meters (2,570') x \$32 = \$82,240

Cost Difference 8" Diameter Water Main vs. 4" Diameter Water Main

Cost

8" Diameter \$82,240

4" Diameter \$56,540

Difference \$25,700

Cost Ratio

$\frac{\$25,700 \text{ Upsize 4" to 8" Diameter}}{\$82,240 \text{ Total Cost of Water Main}} = 31.25\%$