

Exhibit A - Nettleton Avenue Drainage Improvements

Damage Level	Damages		Average Property Value:	\$130,000
1	\$6,500	5% Average Property Value	2005 FEMA Average Damages for Arkansas:	\$8,225
2	\$9,750	DL #1 * 1.5		
3	\$14,625	DL #2 * 1.5		
4	\$21,938	DL #3 * 1.5	Total Claims:	95
5	\$32,906	DL #4 * 1.5	Total Damages:	\$955,703
6	\$49,359	DL #5 * 1.5	Average Damages	\$10,060
7	\$74,039	DL #6 * 1.5		

Existing Conditions									50 year Accumulated Damages
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	1	0	0	0	0	0	0	\$6,500	\$162,500
5-year	0	1	0	0	0	0	0	\$9,750	\$260,000
10-year	5	0	1	0	0	0	0	\$47,125	\$495,625
25-year	1	5	0	1	0	0	0	\$77,188	\$650,000
50-year	1	1	5	0	1	0	0	\$122,281	\$772,281
100-year	0	1	1	5	0	1	0	\$183,422	\$955,703

1-YEAR DESIGN									50 year Accumulated Damages
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	1	0	0	0	0	0	0	\$6,500	\$162,500
5-year	0	1	0	0	0	0	0	\$9,750	\$260,000
10-year	5	0	1	0	0	0	0	\$47,125	\$495,625
25-year	1	5	0	1	0	0	0	\$77,188	\$650,000
50-year	1	1	5	0	1	0	0	\$122,281	\$772,281
100-year	0	1	1	5	0	1	0	\$183,422	\$955,703

ESTIMATED PROJECT COST: \$0
 ACCUMULATED COST OF DESIGN: \$955,703
 B/C RATIO: 1.000

Exhibit A - Nettleton Avenue Drainage Improvements cont.

2-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	1	0	0	0	0	0	0	\$6,500	\$65,000
10-year	0	1	0	0	0	0	0	\$9,750	\$113,750
25-year	5	0	1	0	0	0	0	\$47,125	\$208,000
50-year	1	5	0	1	0	0	0	\$77,188	\$285,188
100-year	1	1	5	0	1	0	0	\$122,281	\$407,469

ESTIMATED PROJECT COST: \$125,000
 ACCUMULATED COST OF DESIGN: \$532,469
 B/C RATIO: 1.795

5-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	1	0	0	0	0	0	0	\$6,500	\$32,500
25-year	0	1	0	0	0	0	0	\$9,750	\$52,000
50-year	5	0	1	0	0	0	0	\$47,125	\$99,125
100-year	1	5	0	1	0	0	0	\$77,188	\$176,313

ESTIMATED PROJECT COST: \$150,000
 ACCUMULATED COST OF DESIGN: \$326,313
 B/C RATIO: 2.929

10-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	1	0	0	0	0	0	0	\$6,500	\$13,000
50-year	0	1	0	0	0	0	0	\$9,750	\$22,750
100-year	5	0	1	0	0	0	0	\$47,125	\$69,875

ESTIMATED PROJECT COST: \$250,000
 ACCUMULATED COST OF DESIGN: \$319,875
 B/C RATIO: 2.988

Exhibit A - Nettleton Avenue Drainage Improvements cont.

25-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	1	0	0	0	0	0	0	\$6,500	\$6,500
100-year	0	1	0	0	0	0	0	\$9,750	\$16,250

ESTIMATED PROJECT COST: \$300,000
 ACCUMULATED COST OF DESIGN: \$316,250
 B/C RATIO: 3.022

50-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	0	0	0	0	0	0	0	\$0	\$0
100-year	1	0	0	0	0	0	0	\$6,500	\$6,500

ESTIMATED PROJECT COST: \$450,000
 ACCUMULATED COST OF DESIGN: \$456,500
 B/C RATIO: 2.094

100-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	0	0	0	0	0	0	0	\$0	\$0
100-year	0	0	0	0	0	0	0	\$0	\$0

ESTIMATED PROJECT COST: \$600,000
 ACCUMULATED COST OF DESIGN: \$600,000
 B/C RATIO: 1.593