Alternative 1

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	6
	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	2	104	0.53	6
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 1b and 1c					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	4
	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	4
	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2b					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	6
	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8

Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	1	104	0.53	8
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Notes
Source: URBEMIS2007

Alternative 1A

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	6
	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	2	104	0.53	6
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 1b and 1c					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	4
	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	4
	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Phase 2b					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	4
Construction	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Notes
Source: URBEMIS2007

Alternative 3

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	6
Construction	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	2	104	0.53	6
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 1b and 1c					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	4
Construction	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	4
Construction	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8

Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2b					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	6
Construction	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	1	104	0.53	8
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Notes
Source: URBEMIS2007

Alternative 4

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8

Notes
Source: URBEMIS2007

Alternative 5

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	6
Construction	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	1	104	0.53	8
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Phase 1b and 1c					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	2	104	0.53	6
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Building Construction	Crane	1	399	0.43	6
	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Phase 2a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	4
	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2b[1]					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8

Notes
[1] No land to be paved or finished as this phase entails the grading of roadways leading to the 8 residential lots (Appendix A)
Source: URBEMIS2007

Alternative 6

Phase	Equipment	Number	Horsepower	Load Factor	Hours of Operation
Phase 1a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building Construction	Crane	1	399	0.43	6
	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8

Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	1	104	0.53	8
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 1b and 1c					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Paving Equipment	1	104	0.53	8
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Building	Crane	1	399	0.43	6
Construction	Forklift	2	145	0.3	6
	Generator Set	1	145	0.3	8
	Tractor/Loader/Backhoe	1	108	0.55	8
	Welder	3	45	0.45	8
Phase 2a					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	4
Construction	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7
Phase 2b					
Site Grading	Grader	1	174	0.61	6
	Rubber Tired Dozer	1	357	0.59	6
	Tractor/Loader/Backhoe	1	108	0.55	7
	Water Truck	1	189	0.5	8
Building	Crane	1	399	0.43	4
Construction	Forklift	2	145	0.3	6
	Tractor/Loader/Backhoe	1	108	0.55	8
Paving	Cement & Motor Mixer	4	10	0.56	6
	Paver	1	100	0.62	7
	Roller	1	95	0.56	7
	Tractor/Loader/Backhoe	1	108	0.55	7

Notes
Source: URBEMIS2007