APPENDIX A

FY 14 Cost Estimate Breakdown for Transportation Projects (Construction Costs Only)

Drainage:

Drainage	$110 per linear foot
Major Drainage Structure	$44,000 each

Earthwork:

Clearing and Grubbing	$.39 - $.94 per square foot
Excavation and Export	$16.50 - $66.00 per cubic yard
Excavate and Fill	$16.50 - $38.50 per cubic yard
Import and Fill	$27.50 - $38.50 per cubic yard

Landscaping:

Landscaping	$7.50 - $16.50 per square foot

Surface Improvements:

Asphalt Concrete Overlay 1"-2"	$.44 - $.66 per square foot
Asphalt Concrete Leveling Course	$132 per ton
Curb and Gutter Type G	$22 - $33 per linear foot
Curb Ramps	$1,320 - $2,420 each
Driveways	$7.70 - $13.20 per square foot
Median Curb Type B2	$27.50 - $38.50 per linear foot
Remove Curb and Gutter	$5.50 - $16.50 per linear foot
Remove Pavement	$2.20 - $11.00 per square foot
Remove Sidewalk	$1.65 - $3.85 per square foot
Sidewalk	$4.40 - $7.15 per square foot
4" AC	$1.10 - $2.20 per square foot
11" – 16" Cement Treated Base	$1.65 - $4.40 per square foot

Traffic:

New Street Light	$6,600 each
New Traffic Signal	$154,000 each
Relocate Street Light	$3,300 - $3,850 each

Miscellaneous:

Concrete Median Barrier	$25 - $65 per linear foot
Great Crash Cushion	$35,000 - $40,000 each
Guard Rail	$30 - $40 per linear foot
Retaining Wall	$35,000 - $40,000 each

Transportation projects not estimated with itemized work are estimated by length of project in feet. Construction (only) for a typical four-lane collector costs $1,790 per linear foot. Construction (only) for a typical four-lane bridge costs $2,750 per linear foot.

APPENDIX B

FY 2014 Cost Estimate Breakdown for Park and Recreation Projects

LAND ACQUISITION:	$1,200,000	per acre (1)
FACILITIES DESIGN AND CONSTRUCTION:		
New Parks	$893,813	per acre
New Recreation Centers	$551	per square foot
Recreation Center Expansions	$644	per square foot
Comfort Station Upgrade	$590,150	each
New Comfort Station	$739,161	each
Picnic Shelter	$280,858	each
New Children's Play Area	$793,161	each
ADA Upgrades to Existing Play Areas	$730,468	lump sum
ADA Upgrades to Paths of Travel	$950,795	lump sum (2)
Security Lighting System	$506,557	lump sum (3)
Sports Field Lighting	$590,150	per sports field
Parking Lot Expansion	$673,744	per ½ acre (4)
New Swimming Pool Complex	$6,185,683	per pool complex (5)

(1) The land cost is based on a cost per acre estimate obtained through a city wide study, based on appraisals from Real Estate Assets Department, as appropriate.
(2) Including, but not limited to pedestrian ramps, comfort station upgrades, or any new amenity that may be required on the path of travel, including access from parking lots or bus stops, drinking fountains, benches, etc.
(3) Lighting system costs vary, depending upon the quantity of lights needed.
(4) The size and cost of parking lots varies according to specific site requirements.
(5) Swimming pool complexes may include a standard 25x25 meter swimming pool, and other recreational or therapeutic aquatic facilities.
(6) Cost estimates include project management, inspection and contingencies.