

Roseville Parks and Recreation – Infrastructure System – January, 2017

This report summarizes how the City of Roseville Parks and Recreation Department tracks and rates its assets

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Roseville Parks and Recreation Infrastructure January, 2017

1. Introduction

In December of 2015, the City Council identified infrastructure sustainability as a priority. The associated strategic initiatives include an effort to categorize infrastructure condition and to ensure capital improvement funding.

The desired outcomes for each strategic initiative include adopting standards for each asset category and developing a comprehensive infrastructure plan with funding strategies.

Numerous records of assets will be kept in a variety of ways including spreadsheets, word documents and special asset and data base management software programs as practical and appropriate.

2. Major Asset Categories

- Tennis and Basketball Courts
- Playgrounds
- Volleyball and Bocce Courts
- Athletic Fields
- Gardens and Irrigation Systems
- Bridges and Boardwalk
- Buildings and Structures
- Vehicles and Equipment
- Amenities – e.g. signage, ...

3. Asset Details

Assets have several items about them that are tracked:

Asset Name –

Description – Brief description of the asset

Division – What division the asset is allocated to

Location – The asset's fixed location recorded as a specific park location, the facility the asset is within, or city wide in some instances.

Original Year Purchased -

Initial Cost – If records are available, the original cost is included. Otherwise the cost has been estimated.

Life Cycle – An estimation of how many years it will be before the asset needs to be replaced. This is a budgeting and assessing tool rather than a specific reason to replace an item. Life cycles are typically based on industry standards and inspection. Some examples may include:

Buildings – 60 years

- HVAC – 20 years
- Fencing – 10 years
- Flooring – 10 years
- Irrigation Equipment – 20 years
- Lighting – 20 fixtures/60 years full structure
- Playground Equipment – 20 years
 - Roofs – 20 years
 - Tennis Courts – 3 years for color coating, 6 years for crack seal and color coat and 12 years for replacement

Current Replacement Year – The original year purchased (or last replacement date) and the life span.

Current Replacement Cost – all are listed in today’s dollars

Rating Condition: To keep the rating of condition reasonable, a general rating system based on 1 (brand new) to 5 (in very poor condition) is adopted across all park areas, play equipment and amenities. The condition ratings will be defined within each asset category.

4. Asset Condition

An asset data collection and condition assessment process will be conducted and documented. The condition for all assets is measured using a general 1-5 rating system (may vary between assets) similar to below.

Condition Rank	Description of Condition
1	Very good condition – brand new – only normal maintenance required
2	Good condition – minor defects only, minor maintenance required (5%)
3	Moderate condition – significant maintenance required to return to accepted level of service (10-20%)
4	Poor condition – requires renewal, significant renewal/upgrade required (20-50%)
5	Very poor condition – asset unserviceable, over 50% of asset requires replacement

5. Summary Description of Asset Category and Sustainable Intervals

5.1 Tennis & Basketball Courts

Condition Rank	Description of Condition
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3	Moderate condition – significant maintenance required to return to accepted level of service (10-20%)
4	Poor condition – requires renewal, significant renewal/upgrade required (20-50%)
5	Very poor condition – asset unserviceable, over 50% of asset requires replacement

Industry useful life 30 years

Park Improvement Plan:

- Nets on a 5 year interval per industry standards.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Sand/gravel on a 5 year interval per industry standards.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.

Capital Improvement Plan:

- Full rebuild on 30 year intervals per industry standards. New facilities will include concrete edge and walls for all and site amenities.
 - Inspection by park staff bi-annually spring and fall. Adjust interval according to inspection program.

5.5 Athletic Fields

Condition Rank	Description of Condition
1	Very good condition – brand new – only normal maintenance required
2	Good condition – minor defects only, minor maintenance required (5%)
3	Moderate condition – significant maintenance required to return to accepted level of service (10-20%)
4	Poor condition – requires renewal, significant renewal/upgrade required (20-50%)
5	Very poor condition – asset unserviceable, over 50% of asset requires replacement

Industry useful life 30 years

Park Improvement Plan:

- Fencing maintenance annually per industry standards. Consists of repairing direct damage issues, curling of bottom areas and other larger maintenance items
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Foul ball and safety netting replacements on 10 year interval per industry standards.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Outfield/sod maintenance annually per industry standards. Consists of regrading minor uneven areas and sod replacement.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Infield maintenance annually per industry standards. Consists of regrading uneven areas and adjusting aglime depth.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Irrigation maintenance annually per industry standards.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Lighting maintenance annually per industry standards. Consists of bulb and ballast replacements.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.

Capital Improvement Plan:

- Full field update on 5 year intervals per industry standards. Full regrade and resurface field as needed. Major uneven areas including new sod and aglime as needed.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Fencing upgrade on 10 year intervals per industry standard. Includes fabric and post replacement as needed.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.
- Full rebuild on 30 year intervals. Includes full replacement of all of the above items and dugouts, irrigation, and all site amenities.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.

5.6 Garden and other irrigation systems:

Condition Rank

Description of Condition

1	Very good condition – brand new – only normal maintenance required
2	Good condition – minor defects only, minor maintenance required (5%)
3	Moderate condition – significant maintenance required to return to accepted level of service (10-20%)
4	Poor condition – requires renewal, significant renewal/upgrade required (20-50%)
5	Very poor condition – asset unserviceable, over 50% of asset requires replacement

Industry useful life of irrigation systems	20 years
Industry useful life of gardens	??

Capital Improvement Plan

- Full replacement on 30 year interval per industry standard.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.

5.7 Bridges and boardwalks:

Condition Rank	Description of Condition
1	Very good condition – brand new – only normal maintenance required
2	Good condition – minor defects only, minor maintenance required (5%)
3	Moderate condition – significant maintenance required to return to accepted level of service (10-20%)
4	Poor condition – requires renewal, significant renewal/upgrade required (20-50%)
5	Very poor condition – asset unserviceable, over 50% of asset requires replacement

Industry useful life	12 years
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Capital Improvement Plan

- Full replacement on 30 year interval per industry standard.
 - Inspection by staff bi-annually spring and fall. Adjust interval according to inspection program.