

Public Hearing North Owasso Boulevard Reconstruction

City Project 19-07

February 4, 2019



Owasso BLVD Reconstruction



0 50 100 200 300 400
Yards



Date: 10/26/2018



Introduction

- January 7, 2019
 - Council received feasibility report
 - Called for public hearing
- Feasibility Study Included
 - Existing Conditions
 - Proposed Improvements
 - Estimated Project Cost
 - Funding Sources/Assessments
 - Conclusions & Recommendations



Background

- N Owasso Blvd & Arbogast St
 - Former Ramsey County roadways
 - Turned back to City number of yrs ago
- Ramsey County planned improvements to Owasso Park in 2017/18
- City's CIP – N Owasso Blvd Reconstruction scheduled for 2020



Background Cont.

- City and County agreed integrated design needed between road & park
- City, County, Ramsey-Washington Watershed created design, which included significant stormwater collection & treatment
- County completed majority of park improvements is 2017/18
- Improvements to Park on south side tied to stormwater improvements w/road

No. 35

Lake Wobasso
Boundary High Water Elevation: 882.75 (Determined From Water Gauge)
Elev. of Lake Bed: 882.0 (Dated 4/1/2005)



PROJECT INFORMATION
PROJECT NAME
PROJECT NUMBER
PROJECT LOCATION
PROJECT DATE
PROJECT SCALE
PROJECT STATUS
PROJECT DESCRIPTION
PROJECT CONTACT
PROJECT APPROVAL
PROJECT REVIEW
PROJECT SIGNATURE
PROJECT DATE

BD DOCUMENTS

OWASSO COUNTY PARK REDEVELOPMENT PROJECT - Phase I Conceptual Plan
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
OWASSO COUNTY PARK



TITLE

Conceptual Grading

BD 2.0



R. L. S. No. 55

Lake Owasso
Boundary High Water Elevation: 882.30
Elev. of Lake Bed: 881.5 (Dated 7/1/2005)



Existing Conditions

- Bituminous pavement in poor condition
 - Original pavement from County turnback
 - Average width 32-feet
- 8-foot wide bituminous trail adjacent to road in average to poor condition
- Project area served by City's water system
 - Cast iron – brittle & prone to breaks
 - Not used in current construction practices



Existing Conditions Cont.

- Project area served by City's sanitary sewer system
 - Clay pipe in poor condition due to dips, cracking, and blockage by tree roots
 - Style of pipe not used in current construction practices
- Minimal storm sewer
 - Flows overland, along road & ditches to ex. storm sewer inlets or culverts in corridor & discharges into lakes



Existing Conditions Cont.

- Soo St. to Horseshoe Drive directed to Lake Owasso – no treatment
- East Horseshoe to Chandler directed to Lake Wabasso – no treatment
- East of Owasso directed to Lake Emily – pre-treatment structure
- Horseshoe Drive Neighborhood directed to Lake Wabasso (outside project area)



Existing Conditions Cont.

- Street lights
 - Xcel owned
 - 75-watt high pressure sodium cobra-head style fixture
 - Wooden poles
 - Overhead power
 - Average to poor condition



Proposed Improvements

- Reconstruct roads & install concrete curb & gutter – 10-ton road (MSA Standard)
 - 32-feet – face to face of curb
 - Essentially the same as current width
 - Consistent with similar MSA roads in City
 - Barrier style curb
- Replacement of 8-foot wide bituminous trail on north side of roadway



Proposed Improvements Cont.

- Replacement of cast iron water main, hydrants, valves & water services within ROW
 - Extend water service to 3 lots not currently served by City water
- Replacement and/or lining of sanitary sewer infrastructure, including services, within ROW
 - Extend sewer service to 2 lots not currently served by City sewer



Proposed Improvements Cont.

- Installation of Stormwater Collection & Treatment System
- Victoria to East Horseshoe
 - Catch basin inlets, underground piping, pretreatment devices & underground infiltration
- Outlet from East Horseshoe to Lake Wabasso
 - Inline pretreatment installed prior to outlet

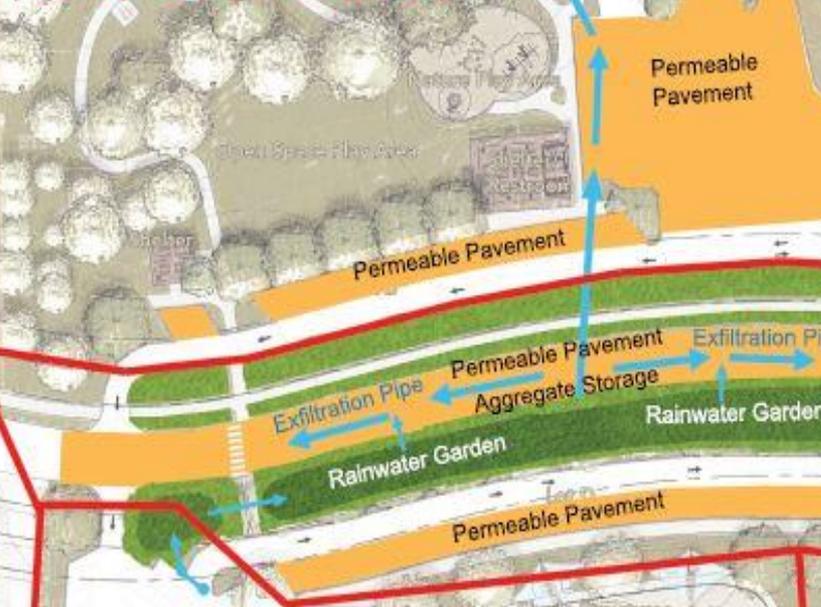


Proposed Improvements Cont.

- Soo Street to East Horseshoe
 - Catch basins, underground pipe, inline pretreatment devices, pervious pavement, filtration basins, and underground aggregate stormwater storage with perforated piping.
- Replace ex. street lights & add additional
 - 40-watt LED cobra-head fixture, aluminum pole & underground power
- Complete remainder of south side park improvement

Lake Wabasso

Phase I
(Ramsey County Parks & Rec.)



Owasso Blvd (City of Shoreview)

Phase 2

Phase I
(Ramsey County Parks & Rec.)



Lake Owasso



Resident Input

- Open house – November 14, 2018
 - Representatives from City, County & Watershed
 - Provided information on proposed improvements and assessments
 - Preliminary plans available for review
- Resident input
 - Overall reaction was positive, supportive of road width and other proposed improvements
 - Very supportive of stormwater improvements



Resident Input Cont.

- Resident questions/comments
 - Traffic within corridor
 - Potential assessments
 - Potential to provide water & sewer services
 - Tree removal/replacement
- All questions or comments were addressed at the meeting or by follow-up email correspondance



Estimated Project Costs

Street	\$ 3,440,500
Water main	\$ 601,620
Sanitary sewer	\$ 366,890
Storm sewer (non-BMP)	\$ 561,910
Storm sewer (Joint BMP)	\$ 1,226,440
Parking Lot/Boat Launch	\$ 232,940
Total est. cost	\$ 6,430,300



Estimated Assessments

Total Amount of Estimated Assessment

– \$ 153,080 – approx. 2.4% of total est. project cost

- Street \$ 1,600/lot
- Storm \$ 1,120/lot(max) depends on size
- Water \$ 2,400/lot – 3 lots
- Sewer \$ 2,300/lot – 2 lots



Estimated Assessment Cont.

Total (no water & sewer)	\$ 2,720/lot
Total (w/water & no sewer)	\$ 5,120/lot – 1-lot
Total (w/water & sewer)	\$ 7.420/lot – 2-lot

- Assessments less than \$5,000 – 10-yr payback
- Assessments greater than \$5,000 -15-yr payback
- Recent interest rates 4%



Financing

– Municipal State Aid	\$ 4,835,570
– Water Fund	\$ 594,420
– Sanitary Sewer Fund	\$ 362,290
– Assessments	\$ 153,080
– Ramsey County	\$ <u>484,940</u>

Total \$ 6,430,300



Proposed Schedule

- Approve plans & specs June 2019
- Bid opening July 2019
- Council award contract July 2019
- Construction starts August 2019*
- Construction complete Nov 2020
- Assessment hearing Sept 2021

*Utility & soil correction in new alignment area adjacent to park completed in 2019, majority of improvements completed 2020



Recommended Council Action

- Conduct public hearing
 - Arner/Dale/Bridge/Lion Reconstruction – CP #18-01
- Authorize City staff to prepare plans and specifications