

# City of Moab Capital Assets Planning Workshop

(plus updates!)

August 27, 2024



# Types of Assets

Buildings

Parks + structures

Paved active transportation infrastructure (including sidewalks)

Roads + curb and gutter

Sewer, culinary water, stormwater infrastructure

Vehicles and equipment

IT infrastructure and equipment



# Asset Planning

Preservation

Restoration

Additive

New



# **FY 25 Capital Improvement Projects**

1. Kane Creek Road Reconstruction
2. Dispersed Downtown Parking
3. Millcreek Overlay
4. Pack Creek Active Transportation Bridge (Episcopal Church)
5. Dark Sky Conversion - Street Lights and Facilities



# FY 25 Capital Improvement Projects

6. Old City Park Pond
7. MRAC capital repair/upgrade program
8. Land Acquisition for Active Transportation
9. Arterial and Minor Collector Repair and Repaving

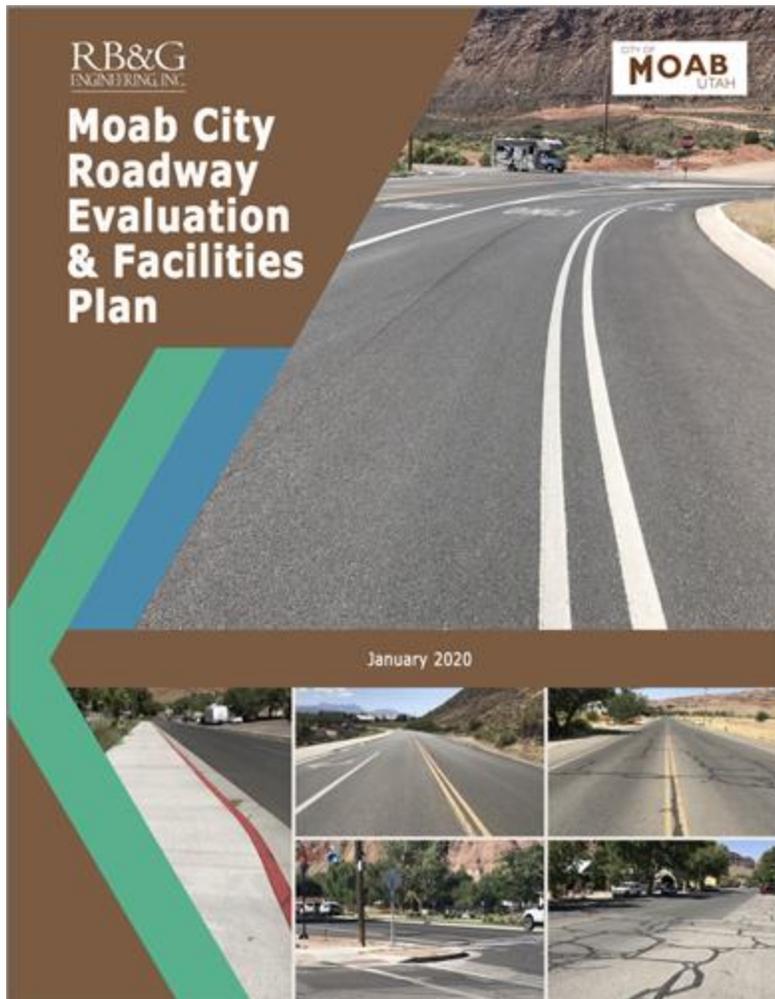


TABLE 8  
MOAB 2019 PAVEMENT EVALUATION  
RECOMMENDED CAPITAL IMPROVEMENT SCHEDULE AND COSTS

ROADWAY SEGMENT	COST
<b>YEAR 1 - 2020</b>	
*KANE CREEK BLVD. PHASE 1; UDOT MAINT. STATION TO ASPEN AVE. 400 EAST (100 NORTH TO 300 SOUTH) <i>*FUNDING COULD BE SET ASIDE TO CONSTRUCT PHASE 1 AND PHASE 2 TOGETHER IN 2021</i>	\$944,394 \$65,000
<b>YEAR 1 TOTAL</b>	<b>\$1,010,083</b>
<b>YEAR 2 - 2021</b>	
KANE CREEK BLVD. PHASE 1; ASPEN AVE. TO MAIN STREET CENTER STREET; 100 WEST TO MAIN STREET MILLCREEK DRIVE (400 EAST TO SANDFLATS) MILLCREEK DRIVE (SOUTH MURPHY TO SPANISH VALLEY DRIVE)	\$712,890 \$237,373 \$10,533 \$44,605
<b>YEAR 2 TOTAL</b>	<b>\$1,005,401</b>
<b>YEAR 3 - 2022</b>	
400 EAST (KIVA DRIVE TO MAIN STREET) 100 NORTH (100 WEST TO MAIN STREET) MILLCREEK DRIVE (LASAL ROAD TO SANDFLATS) SANDFLATS CENTER STREET (300 EAST TO 400 EAST)	\$948,394 \$14,857 \$24,333 \$88,242 \$15,532
<b>YEAR 3 TOTAL</b>	<b>\$1,091,158</b>
<b>YEAR 4 - 2023</b>	
100 WEST (400 NORTH TO WALNUT LANE) 100 EAST (300 SOUTH TO URANIUM) 400 SOUTH (300 SOUTH TO KIVA DRIVE) CENTER STREET (MAIN STREET TO 200 EAST)	\$754,350 \$158,310 \$62,050 \$34,562
<b>YEAR 4 TOTAL</b>	<b>\$1,009,272</b>
<b>YEAR 5 - 2024</b>	
100 SOUTH (MAIN STREET TO 400 EAST)	\$1,022,109
<b>YEAR 5 TOTAL</b>	<b>\$1,022,109</b>
<b>YEAR 6 - 2025</b>	
CENTER STREET (100 WEST TO MAIN) CRESTVIEW DRIVE 100 EAST (200 NORTH TO END) CRESTVIEW DRIVE	\$269,778 \$145,550 \$292,920 \$145,550
<b>YEAR 6 TOTAL</b>	<b>\$853,817</b>
<b>YEAR 7 - 2026</b>	
CENTER STREET (100 WEST TO MAIN) 200 NORTH (MAIN STREET TO END) 200 SOUTH 100 WEST TO MAIN WEST 200 SOUTH STREET	\$279,220 \$166,081 \$287,297 \$152,550
<b>YEAR 7 TOTAL</b>	<b>\$885,160</b>



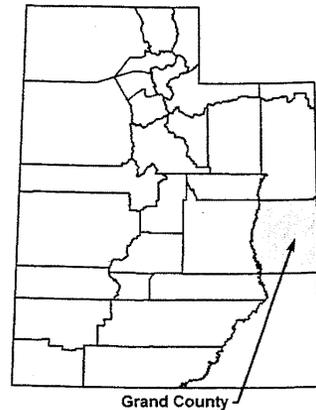
# FLOOD INSURANCE STUDY



## GRAND COUNTY, UTAH AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
* Castle Valley, Town of Grand County (Unincorporated areas)	490110 490232
Moab, City of	490072

\* NON-FLOODPRONE



EFFECTIVE:  
APRIL 2, 2009

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER  
49019CV000A

...and greater problems with the... along... of... residential areas.

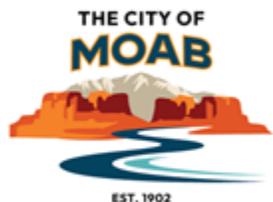
### 2.3 Principal Flood Problems

The City of Moab is subject to flooding from Mill Creek and Pack Creek due to summer cloudburst storms. These streams originate in the La Sal Mountains southeast of Moab. The summer storms are generally intense and of short duration. It is not uncommon to experience flooding on Mill Creek and/or Pack Creek without experiencing any precipitation in Moab.

Cloudburst storms in Moab can produce short-duration floods originating on nearby sandstone cliffs. These floods create areas of shallow flooding as the runoff flows toward Mill Creek, Pack Creek, or the Colorado River.

Since 1881, over 100 cloudburst floods have been recorded in the Moab area. Damages have included erosion of channels, water and sediment damages to residential areas, deposition of debris, and severe damage to irrigation diversions, bridges, roads, buried water pipelines, and structures near Mill Creek and Pack Creek.

The largest Mill Creek flood of record occurred on August 21, 1953. The peak discharge of that flood was 5110 cubic feet per second (cfs). The largest gaged flood on record for the Colorado River, 76,800 cfs, occurred on June 19, 1917. The most recent large flood of 70,300 cfs on the Colorado River occurred on May 27, 1984.



# Flood/Stormwater Planning and Projects – Short Term

1. Youth Garden vicinity: Cast-in-place concrete wall below path.
2. 300 S/100E: Build a new retaining wall with a concrete path on top.
3. Main Street bridge area: misc. repairs, e.g. add concrete under path where scoured, regrade creek bank with riprap, replace railing.
4. Miscellaneous pedestrian bridge repairs, including bridge decking at 100 West.

# Flood/Stormwater Planning and Projects – Short Term

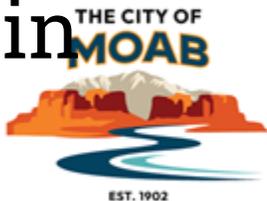
4. 500 West bridge stabilization + debris removal
5. 400 East Bridges armoring: Regrade the creek channels under and around the bridge, armor bridges with riprap.
6. Mill Creek Stabilization Project (aka the “NRCS” project)
  - Gabion walls in various locations (Dream Drive, Rotary, Secret Cove area, 100-500W)
  - Concrete drop structure downstream of 400 East

# Flood/Stormwater Planning and Projects – Medium Term

Assessment and planning for entire corridor in town

- Powerdam area -> Mill Creek Dr.
- Mill Creek Dr. -> 400 E.
- 400 E. -> 300 S.
- 300 S. -> 100 W.
- 100 W. -> 500 W.
- 500 W. -> Preserve

Mill Creek detention basin: Scoping for a detention basin on Mill Creek above the city.



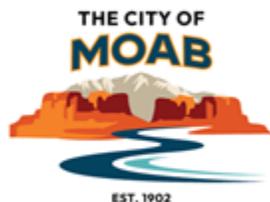
# Flood/Stormwater Planning and Projects – Medium/Long Term

300 South bridge replacement

500 West bridge replacement

400 East bridge replacement

TBD based on corridor assessment and detention basin scoping



# Capital Asset Planning Process

## Identifying Needs

- Existing plans (and forthcoming)
  - General Plan (2017)
  - Unified Master Transportation Plan (2022)
  - Parks and Recreation Master Plan (2023)
  - Roadway Evaluation and Facilities Plan (2020, needs update)
  - Downtown Plan (soon)
  - Millcreek Dr. Corridor planning - Safe Streets for All grant (soon)
  - Fleet Management Plan (TBD)
  - Parks and recreation asset preservation plan (TBD)
  - Facilities (non-recreation/parks) asset preservation plan (TBD)
  - IT Master Plan (TBD)

Staff + council + community feedback & input!



# Capital Asset Planning Process

## Prioritizing Needs

- Draft 5 Year CIP (revised annually)
- Annual strategic planning retreat

## Funding Needs

- Annual budgeting process
  - Adopt 5 Year CIP
  - Approve funding for pay-as-you-go projects
  - FY26 or 27: Bond for package of bigger projects



# Ensuring Capacity

Capital asset planning (preparing)

Project management (implementing)

Asset preservation (maintaining)

