CITY OF O’FALLON
Project Applications

• Projects Submitted for the 2021-2023 TIP
  • Guthrie Road Improvements – Phase II
  • Weldon Spring Road Improvements
  • Lake St. Louis Blvd. Extension – Phase III (Design / ROW)
  • Sonderen Road Safety Improvements – Phase I
Project Locations
Guthrie Road Improvements
Phase II
Guthrie Road – Ph. II

• Location
  • Guthrie Road, from Mexico Road intersection to north of the Bluff Brook Drive intersection
Guthrie Road – Ph. II

• Existing Conditions
  • O’Fallon was approved for funding to realign Guthrie Road to ease sight distance and safety concerns, and to signalize the intersection at Mexico / Guthrie

• Project Scope
  • The scope of the project will be increased in Phase II to cover the following items:
    • Projected overruns due to encountering base rock in the initial borings related to preliminary design.
    • Altering the projected roadway realignment to alleviate sight distance issues
    • Address another sight distance issue north of Bluff Brook Drive for motorists
Guthrie Road – Ph. II

• Performance Measures
  • Improve the ability of vehicles / pedestrians to move through the area quickly and efficiently by upgrading the existing infrastructure through the following modifications:
    • Realign existing roadway to alleviate several sight distance and safety issues
    • Reconstruct a portion of roadway to alleviate a sight distance issue north of Bluff Brook Drive
    • Install pedestrian infrastructure in the area to aid in travel
    • Install signals at the Mexico / Guthrie intersection to help traffic queuing as the area continues to develop
Guthrie Road – Ph. II
# Guthrie Road – Ph. II

## FUNDING FOR IMPROVEMENTS

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Weldon Spring Road Improvements
Weldon Spring Road

- Location
  - Weldon Spring Road
  - Corridor between Technology Drive and Valleybrook Drive (N. of Crusher Drive)
Weldon Spring Road

• Existing Conditions
  • There are high density residential, residential and commercial development along this corridor. Further development will take place shortly, which will increase the traffic loads. The existing roadway is deteriorated, and existing sidewalk is not in compliance with ADA standards.

• Project Scope
  • The improvements for this project will include:
    • New three (3) lane, 39’ wide concrete pavement cross section and adjusted profile
    • New roundabout construction and implementation at the intersection of Crusher Dr and Weldon Spring Rd to accommodate traffic growth and facilitate movement
    • Installation of pedestrian improvements (10’ wide path, 6’ continuous sidewalk) and drainage improvements
    • High visibility crosswalks where applicable
Weldon Spring Road

• **Performance Measures**
  • Construct and implement alterations to the roadway and intersection (via roundabout) to facilitate better traffic movement through the area as it continues to develop.
  • Build a thorough, continuous, and usable pedestrian infrastructure to help residents with walkable/bikeable movement, including high-visibility crosswalks to increase safety where applicable.
Weldon Spring Road

PROPOSED INTERSECTION IMPROVEMENTS WELDON SPRING ROAD AT CRUSHER DRIVE
Weldon Spring Road
Weldon Spring Road
# Weldon Spring Road

## FUNDING FOR IMPROVEMENTS

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Lake St. Louis Boulevard Extension – Phase III
**LSL Blvd. Ext.– Ph III**

- **Location:**
  - Extend LSL Blvd. from Paul Renaud Blvd. (PRB) to Hwy DD / Diehr Road intersection (reconfigured)
**LSL Blvd. Ext. – Ph III**

- **Existing Conditions**
  - Lake St. Louis Blvd. currently terminates at the roundabout intersection with Paul Renaud Blvd. in O’Fallon. City of O’Fallon / St. Charles County are submitting joint phases for consideration to extend LSL Blvd. from PRB to DD/Diehr Road

- **Project Scope**
  - Design and procure ROW to extend LSL Blvd. from Paul Renaud Blvd. to Laurel Willow Drive (portion that is within City of O’Fallon limits)
LSL Blvd. Ext.– Ph III
## LSL Blvd. Ext.– Ph III

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Sonderen Road
Safety Improvements
Sonderen

- **Location:**
  Sonderen Street from Sonderen Loop North to E. Pitman Street
**Sonderen**

**Existing Conditions**
- Sonderen St. is a collector that is anticipated to see an increase in ADT upon completion of the I-70 SOR project

**Project Scope**
- Application is for design, ROW, and construction
- Widen the existing two lane portions to a typical three lane section.
- Reconstruct sidewalk on the west side to be ADA compliant, construct new sidewalk on east side.
- Addition of curb/gutter and storm sewers

**Performance Measures**
- Provide improved ADA compliant pedestrian facilities along the project limits.
- Provide a widened pavement section for anticipated future traffic
Sonderen Street - Project Limits

- New 5' Sidewalk
- Existing Sidewalk

Areas for 3-lane road section

Typical Section 3 Lane Section
Sonderen
Sonderen

Looking south from E. Pitman Street intersection

Looking south near 402 Sonderen
### FUNDING FOR IMPROVEMENTS

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Questions?
CITY OF
ST. PETERS
Project Applications

1. Truman Rd Flood Mitigation Improvements
2. Mexico Rd at Dardenne Creek Bridge
3. I-70 NOR & SOR Connector Study
4. Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path
Truman Rd Flood Mitigation Improvements

Location: Truman Rd between Ehlmann Rd & Premier Pkwy
Truman Rd Flood Mitigation

Project Scope:
Truman Rd Flood Mitigation Improvements

Project Scope Continued:
Truman Rd Flood Mitigation Improvements

Scope:

1. Construct Storm Sewer Pump Station for use During Flood Conditions, in lieu of Road Reconstruction

2. Re-grade Drainage Channel to Prevent Sandfort Creek Back Water from Flooding Truman Road.
Truman Rd
Flood
Mitigation
Improvements

Scope:
1. Construct Storm Sewer Pump Station for use During Flood Conditions, in lieu of Road Reconstruction
Truman Rd Flood Mitigation Improvements

Scope:

2. Regrade Drainage Chanel to Prevent Sandfort Creek Back Water from Flooding Truman Road.
Truman Rd Flood Mitigation Improvements

- **Performance Measures:**
  - Prevents Truman Road closures during flood conditions.
  - Significantly less expensive than raising and reconstructing Truman Road.
  - Significantly less disruptive to traffic during construction.
  - Much shorter timeframe for design and implementation.
**Truman Rd Flood Mitigation Improvements**

- **Financial Plan and Schedule:**

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Mexico Rd at Dardenne Creek Bridge

- **Location:** Between Salt Lick Rd and Mid Rivers Mall Dr
Mexico Rd at Dardenne Creek Bridge

Existing Condition:

- 3885008 01-11-18
  Mexico Rd over Dardenne Cr
  City of St. Peters Owned
  NW Wing and Encasement Heavily Deteriorated

- 3885008 01-11-18
  Mexico Rd over Dardenne Cr
  City of St. Peters Owned
  Deck Facing E
Mexico Rd at Dardenne Creek Bridge

- Project Scope:
  - Upgrade guardrail to meet current safety standards
  - Replace damaged and heaved sidewalk
  - Replace rusted/damaged chain-link fence fabric
  - Replace approach pavement and approach slabs
  - Repair cracked wing wall
  - Clean, extend, and repair drainage system
  - Install rip-rap
  - Epoxy polymer deck overlay
Mexico Rd at Dardenne Creek Bridge

Performance Measures:
- Extend Useful Life of Bridge
- Improve Structural Rating
- Upgrade to Current Safety Standards
**Mexico Rd at Dardenne Creek Bridge**

- **Financial Plan and Schedule:**

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I-70 NOR & SOR Connector Study

- Location: MO 79/Salt Lick Rd to N/S Gatty Dr
I-70 NOR & SOR Connector Study

- Existing Condition:
  - Discontinuous NOR & SOR
  - Vehicles must utilize I-70 to travel between MO 79/Salt Lick Rd and Mid Rivers Mall Dr
I-70 NOR & SOR Connector Study

**Project Scope:**

- Determine appropriate alignment of NOR & SOR
  - Least impactful to businesses
  - Least impactful to St. Peters Golf Course
  - Least impactful to residences
I-70 NOR & SOR Connector Study

- **Performance Measures:**
  - Decrease delay at MO 79/Salt Lick Rd interchange
  - Decrease delay at Mid Rivers Mall Dr interchange
  - Move local trips from I-70 to outer roads
  - Create better access for businesses
  - Accommodate future traffic volumes
I-70 NOR & SOR Connector Study

- Financial Plan and Schedule:

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Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path

- **Location:** Route N to MO 364
Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path

- **Existing Condition:**
  - Shared Northbound Thru/Right Turn Lane at Home Depot Plaza
  - Trip Hazards & Non-compliant Curb Ramps
  - Discontinuous Sidewalk
Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path

Project Scope:

• Install Northbound Right Turn Lane at Home Depot Plaza
• Replace Sidewalk with Multi-Use Path & Upgrade Pedestrian Signals
Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path

- **Performance Measures:**
  - Reduce Congestion & Improve Safety at Home Depot Plaza
  - Provide ADA Compliant Path
  - Provide Continuous Path
Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path

- Financial Plan and Schedule:

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St. Peters Funding Priorities

1. Truman Rd Flood Mitigation Improvements
2. Mexico Rd at Dardenne Creek Bridge
3. I-70 NOR & SOR Connector Study
4. Mid Rivers Mall Dr Right Turn Lane & Multi-Use Path
CITY OF
ST CHARLES
City of Saint Charles

St. Charles County Road Board

2021-2023 TIP Project Applications
Project Applications

1. Hawks Nest Drive Rehabilitation
2. Second Street Reconstruction
3. Zumbehl Road & Ipswich Lane Intersection Improvements
4. SCAT Transit Parking Under I-70
5. Droste Road Extension Study
6. Riverpointe Economic Development Application
Hawks Nest Drive Rehabilitation

Project Location
Hawks Nest Drive
from Zumbehl Road to West Clay Street

Hawks Nest Drive at Fire Station
looking West towards Zumbehl Road
Existing Conditions

- Existing pavement in poor condition
  - Paser rating 4 out of 10
  - Severe cracking, potholes, slab displacement
- Dead-end sidewalks
- No bike facilities
- Poor visibility of traffic signal heads

Hawks Nest Drive Rehabilitation

Severe Cracking

Dead-End Sidewalks

Potholes & Severe Cracking

Severe Cracking at Bridge Approach
Hawks Nest Drive Rehabilitation

Proposed Improvements
Zumbehl Road to Falcons Way
• Full depth pavement replacement
• Shared use path along east side

Falcons Way to West Clay Street
• Replace damaged concrete slabs
  • 10% of pavement area
• Replace bridge approach pavement and barriers
• Stripe bike lanes on shoulders
• New reflective backplates on traffic signal heads
Hawks Nest Drive Rehabilitation

Conceptual Plan
Zumbehl Road to Falcons Way
Hawks Nest Drive Rehabilitation

Conceptual Plan
Falcons Way to West Clay Street
Hawks Nest Drive Rehabilitation

Financial Plan & Schedule

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Federal STP-S construction funds available in October 2023
City requesting to equally split remaining funds
Second Street Reconstruction

Project Location
Second Street
from Boone’s Lick Road to First Capitol Drive

Second Street at First Capitol Drive looking South
Existing Conditions

- Existing pavement in poor condition
  - Paser Rating 4 out of 10
  - Severe cracking, potholes, rutting
- Missing Sidewalks
- No Striping or Bump Outs for On-Street Parking
- Poor Drainage along Curbs
Proposed Improvements

• Full depth pavement replacement
• Improved drainage
  • New curbs and inlets
• Continuous sidewalks along both sides
• Curb bump outs & striping
  • Delineate on-street parking areas
  • Traffic calming

Second Street at Tompkins Street looking North
Second Street Reconstruction

Conceptual Plan
Second Street Reconstruction

Conceptual Plan
## Financial Plan & Schedule

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Federal STP-S design funds available in October 2021
City requesting to equally split remaining funds
Project Location
Intersection of Zumbehl Road and Ipswich Lane/
Jefferson Intermediate School Entrance
Existing Conditions

- 2019 Zumbehl Corridor Study recommended improvements
- All way Stop Signs
- Traffic congestion during peak hours and school drop off and pick up times
  - Backups to Droste Road in AM
  - Backups to Campus Drive in PM
- Zumbehl Road 1,175 vehicles per hour
- Ipswich Lane 287 vehicles per hour
- No dedicated turn lanes
- 9 Accidents within 5 years
- Stopped traffic by School Crossing Guard
  - 50 students crossing in AM
  - 70 students crossing in PM
- Intersection Level of Service LOS F
- Average Vehicle Delay 215 seconds per vehicle

SYNCHRO Output
Zumbehl Road & Ipswich Lane Intersection Improvements

Proposed Improvements
- New traffic signal
- Dedicated turn lanes
- Meets signal warrants for current traffic volumes
- Utilize existing pavement with new striping
- Signal phased for pedestrian school crossings
- Intersection Level of Service LOS B
- Average Vehicle Delay 18 seconds per vehicle
- Coordinate with School District

SYNCHRO Output
Zumbehl Road & Ipswich Lane Intersection Improvements

Financial Plan & Schedule

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Federal CMAQ construction funds available in October 2022
City will partner with School District for matching funds
SCAT Transit Parking Under I-70

Project Location
New Parking Lot Under I-70 Blanchette Bridge at South Main Street

South Main Street at I-70 looking North
Existing Conditions

- Loss of I-70 commuter lots due to I-70 improvements - Total 415 spaces
- 5 Acres of undevelopable area under I-70 Blanchette Bridge
- Centrally located between Ameristar, Main Street, Streets of St. Charles and Future Development
- City executing lease agreement with MoDOT
SCAT Transit Parking Under I-70

South Main Street at I-70 looking East
SCAT Transit Parking Under I-70

Proposed Improvements

- New parking lot under I-70
  - 123 Spaces
  - Lighting
  - Safety camera/barriers
- New SCAT transit bus stops
  - I-70 commuter route
  - In-town commuter blue route
- Way finding signage from I-70
- Provides alternative transportation
  - Carpooling, transit, multi-modal
- Estimated to reduce 500 trips per day
  - Reduce traffic congestion
- Design will accommodate future expansion of parking lot

May Road Board
### SCAT Transit Parking Under I-70

**Financial Plan & Schedule**

<table>
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<tr>
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<th>City</th>
<th>Federal CMAQ</th>
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Federal CMAQ construction funds are available in October 2022. City requesting to equally split remaining costs.
Droste Road Extension Study

Project Location
Droste Road extension from Oakleaf Drive to First Capitol Drive

Droste Road at West Clay Street looking South
Droste Road Extension Study

Existing Conditions

- Droste Road ADT 12,600 vehicles
- Realigned Droste Road under construction between West Clay Street to Oakleaf Drive
- Surrounding high traffic volumes on West Clay Street & First Capitol Drive
- Underdeveloped areas
Droste Road Extension Study

Proposed Study

- Alignment options for new roadway
- Extend Droste Road 2,500 linear feet south of Oakleaf Drive
- Connection to First Capitol Drive
- Coordination with I-70 Outer Road improvements
- Study to determine most economical alignment based on:
  - Impacts to properties
  - Potential redevelopment areas
  - Surrounding roadway connections
  - Construction costs
## Financial Plan & Schedule

<table>
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Riverpointe Economic Development Application

**Project Location**
120 Acres of Development
South of I-70
Along 1.6 miles of riverfront

Phase 1 & 3A - 32 Acres

Phase 2 & 3B Future - 88 Acres
Why is this project important?

Environmental Restoration
- No flooding induced
- Water quality improvements
- Provides aquatic habitat
- Wetlands restoration
- Flood relief along Crystal Springs Creek & Missouri River

Economic Development
- $1.5 billion benefit to regional economy
- 4,000 new jobs & 5,000 temporary construction jobs

New Riverfront Attraction
- 1.6 miles long, ¼ of City’s riverfront

Links to Existing Attractions
- Streets of St. Charles
- Ameristar
- Family Arena
- Katy Trail
Phase 1 & 3A Improvements

Property Acquisition
- 32 acres estimated $5.6M
  - City only funds
- Phase 1 - 20 acres acquired
- Phase 3A – 12 acres underway

Improvements
- Roadway pavement, sidewalks, storm sewers, signal, roadway lighting, retaining walls
- Fill material to raise roads above flood elevations

Utilities
- Relocate overhead lines
- Relocate cell tower
- Sanitary lift station, sewer & water main extensions
- City only funds
Phase 1 Economic Impact

- Signed Letter of Intent for 300,000 SF Office user with 2,100 employees
- Retail / Restaurant / entertainment
- Office Development
- Multi-Family Development
- Phase 1 Projected Revenue
- $53M in annual sales
  - $6.6M entertainment
  - $7.3M hotel
  - $27M restaurant
  - $12M retail
- County sales tax annually $1.3M
Phase 3A Economic Impact

Phase 3A Skyview
- High scale entertainment development
- Similar development at Skyview Atlanta
- Purchasing 12 acre pad ready site for $4.1M
- Projected revenue $20M in annual sales
- County sales tax portion equates to $0.5M annually

Phase 1 & 3A TOTAL
- $1.8M County Sale Tax Annual Revenue
### Phase 1 & 3A Funding

#### Funding for Improvements:

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* $5 million in Governor’s Cost Share and $1 Million MDNR State Appropriation secured. Additional funding applications pending.

City willing to spread out County reimbursements over several years
- 2020 - $1,000,000
- 2021 - $3,000,000
- 2022 - $3,000,000

**County Total - $7,000,000**
Phase 1 & 3A Summary

- County funds needed $7M
  - Transportation related expenses
  - Construction in 2020 and 2021
- Projected Sales Revenue = $73M annually
  - $1.8M annually in County sales tax receipts
- CRB funds committed when new jobs are created
  - 140 new jobs at $50,000 per job = $7M
  - 2,100 new jobs in part of Phase 1
- BUILD grant 2020 provides additional funding for future phases