QUARTERLY REPORT FOR MAJOR PROJECTS

For Quarter Ending December 31, 2019

Steve Sisolak
Governor

Kristina Swallow, PE
Director
Nevada Department of Transportation

QUARTERLY REPORT FOR MAJOR PROJECTS

December 31, 2019

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1.0 INTRODUCTION

The primary purpose of this quarterly report, ending December 31, 2019, is to provide the Nevada Legislature, the Transportation Board of Directors, and the general public with the status of major projects undertaken by the Nevada Department of Transportation (NDOT) as required by Assembly Bill 595 that was passed in 2007. This quarterly report specifically addresses the reporting requirements of Section 55.5.

This status report is based on the major assumption that funding will be available for the major projects in a timely fashion.

Section 2 of this report provides a detailed description and explanation of the information on each project status sheet.

Section 3 of this report includes project status sheets for all major projects as required by AB 595. There are project sheets for highway capital projects indentified in the December 2006 Blue Ribbon Task Force report: "Roads to the Future" and any other proposed super or mega projects. All of these projects are simply characterized as major projects (projects exceeding $100 million).

Section 4 of this report identifies any major projects completed during this quarter.
2.0 PROJECT STATUS SHEET EXPLANATION

The information contained on the project status sheet is centered on the Department’s project development process. This process typically consists of the four major phases: planning, environmental clearance, final design and construction. The project status sheets contain several items of information as follows:

**Project Description:** Contains the preliminary project scope, which generally identifies features of the project i.e. length, structures, widening, and interchanges, and directs the project development process.

**Project Benefits:** Summarizes the primary favorable outcomes expected by delivering the project.

**Project Risks:** Identifies the major risks that might impact project scope, cost, and schedule. Unforeseen environmental mitigation, right-of-way litigation, and inflation of construction materials or land values are only a few items that can adversely effect project development.

**Schedule:** Provides the time ranges for the four primary phases of project development: planning, environmental clearance, final design, and construction. Generally the schedule, by state fiscal years, reveals the time range for starting or completing a phase. It indicates the starting range early in the development process and completion range latter in the process.

**Project Costs:** Project cost ranges are provided by activity: 1) engineering activities that includes planning, environmental clearance and final design costs, 2) right-of-way acquisition, and 3) construction. Costs are adjusted for inflation to the anticipated mid-point of completing a phase.

**What’s changed since last update?** Contains summaries of the project scope, cost, and schedule changes, if any.

**Financial Fine Points:** Includes the total expended project costs and brief summary of financial issues.

**Status Bars at the Bottom of the Form:** Shows the percentage completion for the primary project development activities that are in progress: planning, environmental clearance, final design, right-of-way acquisition, and construction.
3.0 MAJOR PROJECTS

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I 15 North - Phase 3
Speedway Boulevard to Garnet Interchange
Project Sponsor: NDOT
Project Manager: Dwayne Wilkinson, P.E.
(702) 671-8879

**Project Description:**
- Last phase of improvements associated with the I-15 North Corridor Environmental Assessment. Original project limits were from Speedway Boulevard to Apex Interchange (May 2007 Environmental Assessment). Project limits were extended 6.1 miles to the north from the Apex Interchange to the Garnet Interchange (US 93).
- Widen I-15 from four to six lanes from Speedway Boulevard Interchange to the Garnet Interchange, approximately 10.7 miles
- Project also includes: weigh station & enforcement improvements, truck parking, and a new interchange between Speedway & Apex.

**Schedule:**
- Planning: Complete
- Environmental Phase: 2019 - 2020
- Final Design: 2020-2021 (First Construction Package)
- Construction: See Financial Fine Points Below

**Project Cost Range:**
- Engineering: $6.5 - $8.0 million
- Right-of-Way: $0.1 - $3.6 million
- Construction: $70.1 - $83.2 million
- Total Project Cost: $76.7 - $94.8 million

**Project Benefits:**
- Improve safety
- Improve travel time reliability
- Improve access to areas planned for development in North Las Vegas
- Improve operations

**Project risks:**
- Timely completion of environmental
- Timely completion of design
- Availability of construction funds

**Financial Fine Points (Key Assumptions):**
- Total funding expended for phase 3: $329,000 (design and environmental)
- Total funding expended for original Environmental phase: $214,000
- As per the Regional Transportation Plan, this project will be funded for construction between FY2021 and FY2025.

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December 2019
### Project Sponsor:
NDOT

### Project Manager:
Dwayne Wilkinson, P. E.

### Project Description:
- This is one of four phases of improvements to the I-15 North Corridor between US 95 and Apex Interchange (15 miles)
- Construct new direct connect ramps to upgrade the I-15 & CC 215 (Las Vegas Beltway) Interchange
- Construct I-15 SB ramps & reconstruct I-15 NB ramps for the I-15 & Tropical Parkway Interchange
- Reconstruct local streets to match interchange re-configurations
- Provide landscape & aesthetic enhancements in accordance with the I-15 Landscape & Aesthetics Corridor Plan
- Improvements will be constructed within the existing I-15 and CC-215 rights-of-way to the extent possible, however, a total of approximately 3.8 acres may need to be acquired for these improvements

### Schedule:
- **Planning:** Complete
- **Environmental:** Complete
- **Final Design:** Complete
- **Construction:** 2019 - 2022

### Project Cost Range:
- **Engineering:** $10 - $11 million
- **Right-of-Way:** $7.0 - $7.5 million
- **Construction:** $106 - $126 million
- **Total Project Cost:** $123 - $144.5 million

### Project Benefits:
- Improve safety
- Improve travel time reliability
- Improve access to areas planned for development in North Las Vegas
- Improve operations with full freeway-to-freeway connectivity

### What's Changed Since Last Update?
- **Scope:** No Change
- **Schedule:** No Change
- **Cost:** Updated

### Project risks:
- Timely completion of utility relocations
- Timely completion of UPRR permits & agreements
- Acquisition of approximately 3.8 acres to construct the project

### Financial Fine Points (Key Assumptions):
- Total funding expended for preliminary engineering: $9,978,000
- Total funding expended for right of way: $1,546,000
- Total funding expended for I-15 North environmental phase: $875,000
- NDOT Average Escalation Rates applied

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<tr>
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</table>
Project NEON Design-Build
I-15 Sahara to Spaghetti Bowl
Project Sponsor: NDOT
Project Manager: Nick Johnson, P.E.
(775) 888-7318

Project Description:
• HOV direct connect flyover between US 95 and I-15; I-15 widening improvements from Spaghetti Bowl to south of Sahara; construction of collector-distributor from southbound US 95 to southbound I-15; HOV direct access ramp to and from Neon Gateway; ramp access between Charleston and grade separated MLK Boulevard; and landscape and aesthetic enhancements
• Local access improvements to Las Vegas Downtown Redevelopment
• New northbound direct access ramp to Alta/Bonneville; new southbound I-15 on ramp from MLK Boulevard at Pinto Lane
• Reconstruct the I-15/Charleston Interchange to provide improved operations and accessibility
• Project Length: 4.83 miles

Schedule:
Planning: Complete
Environmental: Complete
Begin Construction: November 2016
Substantial Completion: May 2019

Project Cost Range:
Engineering: $50 - $60 Million
Right-of-Way and Utilities: $225 - $250 Million
Construction: $550 - $610 Million
Construction Engineering: $40 - $50 Million
Total Project Cost: $865 - $970 Million

Project Benefits:
• Will accommodate anticipated traffic increases
• New access to Downtown Redevelopment
• Reduce congestion along local streets and I-15
• Extends HOV System

Project risks:
• Complex construction in a high volume dense urban area
• Complexity in maintaining traffic, staging, relocating utilities and reducing impacts
• Complex right-of-way issues may impact schedule and cost

What's Changed Since Last Update?
• The project reached substantial completion in May 2019

Financial Fine Points (Key Assumptions):
• Total Funding Expended: $986,374,000
• Transportation Board approved the authority to bond for the Project.

% Environmental Complete

Design Complete

Construction

December 2019
## I 15 Central Corridor

**Project Sponsor:** NDOT  
**Project Manager:** Jeff Lerud, PE  
(702) 671-8865

### Project Description:
- Feasibility study along I-15 from Flamingo Road to Sahara Avenue.
- Enhance access and mobility within the I-15 corridor; develop a feasibility study that addresses a phased implementation strategy for future improvements to I-15 within the resort corridor area.

### Schedule:
- **Feasibility Study:** 2019 - 2020
- **Environmental:** TBD
- **Final Design:** TBD
- **Construction:** TBD

### Project Cost Range:
- **Engineering:** TBD
- **Right-of-Way:** TBD
- **Construction:** TBD
- **Total Project Cost:** TBD

### Project Benefits:
- Improve operations, safety, access and mobility.
- Support economic development.
- Improve travel time reliability.

### What’s Changed Since Last Update?
- Planning Phase (Feasibility Study) - Began February, 2019
- Scope - No Change
- Schedule - No Change
- Cost - No Change

### Project risks:
- Consensus building among the stakeholders.
- Funding uncertainty.
- Economic development along the corridor could require design changes affecting scope, schedule and budget.

### Financial Fine Points (Key Assumptions):
- Total funding: TBD

---

Planning (Feasibility Study)  

![Graph showing progress](image)

**December 2019**
## I-15 Tropicana Interchange Reconstruction

**Project Sponsor:** NDOT  
**Project Manager:** Jeff Lerud, PE  
(702) 671-8865

### Project Description:
- Demolish and reconstruct the Tropicana Avenue interchange at I-15  
- Grade separate the intersection of Tropicana Avenue and Dean Martin Drive  
- Construct HOV ramps at Harmon Avenue

### Schedule:
- **Environmental:**  
  - October 2017 to December 2019  
- **Design and Right of Way:**  
  - 2020 to 2022  
- **Construction:**  
  - 2021 to 2024

### Project Cost Range:
- **Engineering:** $8,000,000.00  
- **Right of Way:** $26,000,000.00  
- **Construction:** $181,000,000.00

### Project Benefits:
- Improve operations, safety, and mobility  
- Provide for future expansion of I-15  
- Improve travel time reliability

### What's Changed Since Last Update?
- **Scope:** No changes  
- **Schedule:** No changes  
- **Budget:** No changes

### Project risks:
- Timing of funding  
- Stakeholder buy-in  
- Right of Way

### Financial Fine Points (Key Assumptions):
- N/A
I 15 South - Bermuda Road Interchange

Project Sponsor: City of Henderson

Project Manager: David Bowers, P.E.

(702) 671-6672

Project Description:

- I-15 South Corridor Environmental Assessment from Sloan to Tropicana has been broken into nine (9) project elements to address funding and constructability opportunities.
- This is one project element of the original I-15 South Corridor Environmental Assessment completed in 2008.
- Construct new interchange at Bermuda Road (recent name change to Via Nobila)

Schedule:

Planning:
- Complete

Environmental:
- Re-evaluation of 2008 EA to be completed May 2020

Final Design:
- TBD

Construction:
- TBD

Project Cost Range:

(Estimates per January 2019 CRA)

Engineering:
- $8.0 M - $10.9 M

Right-of-Way:
- $7.7 M - $10.4 M

Construction:
- $81.6 M - $112.4 M

Total Project Cost:
- $106 M - $145 M

Project Benefits:

- Improves access to local community
- Improves origin-destination travel time
- Improves safety

What's Changed Since Last Update?

- Scope - No Change
- Schedule - Funded in 2040 per CRA
- Cost - adjusted per 2019 CRA

Project risks:

- Unit price and property escalation may affect project cost.
- Funding uncertainty

Financial Fine Points (Key Assumptions):

- Escalation due to project funding not being available until 2040 per CRA.
- Total funding expended for I-15 South Environmental Studies (all phases): $3.5 million

% Environmental Complete

% Design Complete

December 2019

Nevada DOT
# I-15 South - Pebble Road Overpass

**Project Sponsor:** Clark County  
**Project Manager:** David Bowers, P.E.  
(702) 671-6672

## Project Description:
- The I-15 South Corridor Environmental Assessment from Sloan to Tropicana has been broken into nine (9) project elements to address funding and constructability opportunities.
- This is one project element of the original I-15 South Corridor Environmental Assessment completed in 2008.
- Construct overpass at Pebble Road and I-15.

## Schedule:

<table>
<thead>
<tr>
<th>Activity</th>
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<tbody>
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<td>Final Design</td>
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<td>Construction</td>
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## Project Cost Range:
(Estimates per 2019 EA Update)

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<tr>
<th>Category</th>
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<tr>
<td>Engineering</td>
<td>$1.3 M - $1.9 M</td>
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<tr>
<td>Right-of-Way</td>
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<tr>
<td>Construction</td>
<td>$13.7 M - $19.7 M</td>
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<tr>
<td>Total Project Cost</td>
<td>$16.3 M - $23.5 M</td>
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</tbody>
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## Project Benefits:
- Improves access to local community.
- No connections to I-15, so interstate traffic will not be negatively impacted.

## What's Changed Since Last Update?
- Scope - No Change.
- Clark County has indicated that they plan to construct this with their FRI allocation.
- Schedule - This project was removed from 2030 RTP.

## Project risks:
- Unit price and property escalation may affect project cost.
- Lack of funding may push this project well into the future.

## Financial Fine Points (Key Assumptions):
- Funding not available.
- Total funding expended for I-15 South Environmental Studies (all phases): $3.5 million.
- Funding Source (2019 EA Update): Clark County Fuel Revenue Index Funding.

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**% Environmental Complete**

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**% Design Complete**

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December 2019
Project Description:
- The I-15 South Corridor Environmental Assessment from Sloan Road to Tropicana Ave. has been broken into nine project elements to address funding and constructability opportunities.
- This is one project element of the original I-15 South Corridor Environmental Assessment completed in 2008.
- Construct a new interchange at Starr Avenue.
- Connect Starr Avenue to Las Vegas Blvd east of I-15 and to Dean Martin Drive west of I-15.

Schedule:
- Planning: Complete
- Environmental: Complete
- Final Design: 2016-2017
- Construction: Complete

Project Cost Range:
(Environmental Phase Estimates)
- Preliminary Engineering: $10 - $11 M
- Right-of-Way: $8 - $14 M
- Construction: $33 - $37 M
- Total Project Cost: $51 - $62 M

Project Benefits:
- Improve access to I-15 with new interchange.
- Connect east-west regional traffic from Las Vegas Blvd to/from Dean Martin Drive.
- Improve travel time reliability.

What's Changed Since Last Update?
- Project opened on Sept 18th. Punch-list items over the next 30 days.

Financial Fine Points (Key Assumptions):
- Total funding expended for I-15 South Environmental Studies (all phases): $3.5 million
- Construction Funding secured with $35.2M from FRI-1 by City of Henderson, remaining funding by federal and state funds.
**Project Description:**
- The I-15 South Corridor Environmental Assessment from Sloan to Tropicana has been broken into nine (9) project elements to address funding and constructability opportunities.
- This is one project element of the original I-15 South Corridor Environmental Assessment completed in 2008.
- Widen I-15 between Sloan Road and Blue Diamond Road from 6 to 10 lanes.
- Project Length: 8.2 miles
- This project has been divided into two phases:
  - Phase 2A: Widening I-15 median from Sloan to Blue Diamond (SR160) 6 to 8 lanes
  - Phase 2B: Widen I-15 outer lanes from Sloan to Blue Diamond (SR160) 8 to 10 lanes, restripe collector-distributor ramps from Blue Diamond (SR160) to Tropicana Ave.

**Schedule:**
- **Planning:** Complete
- **Environmental:** Complete
- **Final Design:** TBD
- **Construction:** TBD

**Project Cost Range:**
(Estimates per January 2019 CRA)
- **Engineering:** $30 M - $40 M
- **Right-of-Way:** $0
- **Construction:** $150 M - $200 M
- **Total Project Cost:** $260 M - $300 M

**Project Benefits:**
- Increase capacity
- Improve safety
- Improve access
- Improves origin-destination travel time

**Project risks:**
- Complexity in maintaining traffic staging, relocating utilities and reducing impacts to traveling public.

**Financial Fine Points (Key Assumptions):**
- Funding not available until 2045.
- Total funding expended for I-15 South Environmental Studies (all phases): $3.5 million

**What's Changed Since Last Update?**
- **Scope:** No Change
- **Schedule:** No Change
- **Cost:** adjusted per January 2019 CRA

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**Environmental Complete**

**Design Complete**

December 2019
I 15 South - Sloan Road Interchange

Project Sponsor: City of Henderson

Project Manager: David Bowers, P.E.
(702) 671-6672

Project Description:
• The I-15 South Corridor Environmental Assessment from Sloan to Tropicana has been broken into nine (9) project elements to address funding and constructability opportunities
• This is one project element of the original I-15 South Corridor Environmental Assessment completed in 2008
• Reconstruct interchange at Sloan Road (recent name change to Via Inspirada)

Schedule:
Planning: Complete
Environmental: Complete
Final Design: TBD
Construction: TBD

Project Cost Range:
(Estimates per January 2019 CRA)
Engineering: $3.8 M - $5.2 M
Right-of-Way: $13.1 M - $15.9 M
Construction: $39 M to $53 M
Total Project Cost: $59 M - $79 M

Project Benefits:
• Improves access to local community
• Improves origin-destination travel time
• Improves safety

What's Changed Since Last Update?
• Scope - No Change
• Schedule - No Change
• Cost - adjusted per January 2019 CRA.

Project risks:
• Unit price and property escalation may affect project cost.
• Sloan Interchange to be constructed prior to widening to accommodate additional lanes

Financial Fine Points (Key Assumptions):
• Funding not available until 2022 per current Financial Plan.
• Total funding expended for I-15 South Environmental Studies (all phases): $3.5 million

Environmental Complete

Design Complete:

December 2019
## Downtown Access Project

I-515/US-95 from Rancho Blvd Interchange to 28th Street

**Project Sponsor:** NDOT

**Project Manager:** Ryan Wheeler, P.E.

(702) 278-3391

### Project Description:

- This project proposes to improve freeway capacity by adding more lanes and fixing ramp spacing by braiding ramps connecting I-15 and I-515. The project will also add additional access to downtown with two new HOV interchanges at City Parkway and Maryland Parkway.
- This current scope of work on the project is to implement the necessary studies, documentation, and outreach to meet NEPA requirements; and to develop up to fifteen percent (15%) level designs for each of three alternatives under consideration.
- The construction alternatives being considered include replacing the existing viaduct with a similar structure or recessing the highway into a trench below grade.
- Each construction alternative will include similar proposed improvements: remove or replace the 1.6 mile viaduct; add freeway capacity; fix ramp spacing by adding ramp braiding to/from I-15 and I-515; add HOV lanes on I-515/US-95; and new HOV interchanges at City Parkway and Maryland Parkway.
- *** This project was originally the I-515 alternatives development study with project limits from the Wyoming grade separation to the MLK interchange. The alternatives development study had 5 separate task orders to perform general environmental work, develop lists of potential projects and pursue project development. Task Orders 1-4 have been completed. Task order 5 is the pursuit of the Downtown Access Project.

### Schedule:

- **Environmental (3-4 years):**
  - In progress
- **Final Design (3-4 years):**
  - TBD
- **Right-of-way (concurrent with final design, 3-4 years):**
  - TBD
- **Construction (4-5 years):**
  - TBD

**Project Cost Range:**

- **Environmental:**
  - $6.0 million
- **Engineering:**
  - TBD
- **Right-of-Way:**
  - TBD
- **Construction:**
  - TBD
- **Total Project Costs:**
  - TBD

**What's Changed Since Last Update?**

- This project page has been modified to represent the Downtown Access Project which was developed and pursued from the I-515 alternatives development study.

**Project risks:**

- Funding availability to move project forward into design and construction
- Utility relocation, groundwater, right-of-way acquisitions, crossing the UPRR, and maintenance of traffic through the construction phase
- The project team will manage risks through project development.

**Financial Fine Points (Key Assumptions):**

- $9.9 million programmed for planning/environmental effort ($4.0 million is from the previous task orders 1-4)

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**Environmental % Design Complete**

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**Right-of-way**

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US 95 Northwest - Phase 2B/5
Durango Drive to Kyle Canyon Road and at Kyle Canyon Road
Project Sponsor: NDOT
Project Manager: Jenica Keller, P.E.
(775) 888-7592

Project Description:
- This is the second and fifth phase of the US 95 Northwest Project that extends from Washington Avenue to Kyle Canyon Road
- Widen Durango Drive to Kyle Canyon Road to 6 lanes
- Construct High Occupancy Vehicle Direct Access Ramps at Elkhorn
- Construct a regional flood control facility from Centennial to Grand Teton
- Provide new and improved freeway connections to improve regional connectivity, consistent with land use planning
- Construct new interchange at Kyle Canyon Road
- Project length: 2.45 miles

Schedule:
- Planning: Complete
- Environmental: Complete
- Final Design: Complete
- Advertise: Complete
- Construction: Complete

Project Cost Range:
- Engineering (All Phases): $6 - $7 million
- Right of Way (All Phases): $0, No acquisitions required
- Construction (All Phases): $103 - $116 million
- Construction (2B/5): $65 - $78 million
- Total Project Cost (All Phases): $109 - $123 million

What's Changed Since Last Update?
- Scope: No change
- Schedule: Construction Complete
- Cost: No change

Project Benefits:
- Increase capacity
- Improve safety
- Improve access
- Improve travel time reliability

Project risks:
- Unit price escalation may affect project cost
- Complex design issues may impact schedule and scope
- Complex utility issues may impact schedule and cost

Financial Fine Points (Key Assumptions):
- Total funding expended for Phase 2: $114.02 million
- Total funding expended for US 95 Northwest Environmental Studies (all phases): $5 million
- Inflation escalation (2.27%) to midpoint of construction in 2018.
- Funding source for Phase 2B/5:
  - Federal: $42.4 million
  - State: $2.2 million
  - Local: $33.4 million

% Design Complete
% Construction Complete

December 2019
US 95 Northwest - Phase 3C
Clark County 215 Interchange

Project Sponsor: NDOT, City of Las Vegas and Clark County
Senior Project Manager: Jenica Keller, P.E.
(775) 888-7592

Project Description:
• This is the third phase of the US 95 Northwest project that extends from Washington Avenue to Kyle Canyon Road
• Construct new system to system interchange at CC 215
• This third phase is anticipated to be constructed in 3 subparts (A, C and D)
• Phase 3C: Ramps providing north to west, south to east and south to west movements

Schedule:
Planning: Complete
Environmental: Complete
Final Design: Complete
Advertise: Complete
Construction: Start January 2019
Construction: End 2nd Quarter SY 2021

Project Cost Range:
(Final Design Phase Estimates):
Engineering (All Phases): $14 - $15 million
Right of Way (All Phases): $0 - $1 million
Construction (All Phases): $204 - $268 million
Construction (3C): $61 - $73 million
Total Project Cost (All Phases): $218 - $284 million

What's Changed Since Last Update?
• Scope - No change
• Schedule - No change
• Cost - No change

Project Benefits:
• Increase capacity
• Improve safety
• Improve access
• Improve travel time reliability

Project risks:
• Unit price escalation may affect project cost
• Complex right of way and utility issues may impact schedule and cost

Financial Fine Points (Key Assumptions):
• Total funding expended for Phase 3: $94.60 million
• Total funding expended for US 95 Northwest Environmental Studies (all phases): $5 million
• 3C: inflation escalation (2.30%) to midpoint of construction 2019
• Funding source:
  • - Federal: $19 million
  • - State: $54 million

% Design Complete 0 50 100
% Construction Complete 0 50 100

December 2019
US 95 Northwest - Phase 3D
Clark County 215 Interchange
Project Sponsor: NDOT, City Las Vegas and Clark County
Senior Project Manager: Jenica Keller, P.E.
(775) 888-7592

Project Description:
• This is the third phase of the US 95 Northwest project that extends from Washington Avenue to Kyle Canyon Road
• Construct new system to system interchange at CC 215
• This third phase is anticipated to be constructed in 3 subparts (A, C and D)
• Phase 3D: Ramps providing west to north, south to west and east to north movements; local interchange; upgrade CC215; and construct Multi-Use Path

Schedule:
Planning: Complete
Environmental: Complete
Final Design: Complete 2020
Advertise: 2020

Project Cost Range:
(Design Phase Estimates):
Engineering (All Phases): $14 - $15 million
Right of Way (All Phases): $0 - $1 million
Construction (All Phases): $204 - $268 million
Construction (3D): $134 - $185 million
Total Project Cost (All Phases): $218 - $284 million

Project Benefits:
• Increase capacity
• Improve safety
• Improve access
• Improve travel time reliability

What's Changed Since Last Update?
• Scope - No change
• Schedule - No change
• Cost - Increased based on Cost Risk Assessment

Project risks:
• Unit price escalation may affect project cost
• Complex right of way and utility issues may impact schedule and cost

Financial Fine Points (Key Assumptions):
• Total funding expended for Phase 3: $94.60 million
• Total funding expended for US 95 Northwest Environmental Studies (all phases): $5 million
• 3D: inflation escalation (2.27%) to midpoint of construction 2021
• Funding source: TBD

% Design Complete 0 50 100
% ROW Complete 0 50 100
December 2019
The Reno Spaghetti Bowl

180/ I580/ US 395 System Interchange

Project Sponsor: NDOT

Project Manager: Nick Johnson, PE / Pedro Rodriguez, PE

775-888-7518 / 775-888-7320

Project Description:

- Freeway capacity, safety, and operational improvements to and surrounding the Spaghetti Bowl Interchange
- Freeway access management improvements
- Modify service interchanges
- I-80 limits: Virginia/Sierra/Center Street Interchange to Pyramid Highway Interchange
- I-580/US 395 limits: McCarran/Clear Acre Interchange to Virginia/Kietzke Interchange

Schedule:

Environmental: Complete
SBX Phase 1 Design and Construction: 2019 - 2023
Future Construction Phases: 2025 and Later

Project Cost Range:

Engineering: $107 - $153 million
Right of Way: $342 - $495 million
Construction: $1.5 - $2.2 billion
Total Project Cost (All Phases): $1.9 - 2.8 billion

Project Benefits:

- Improve freeway safety and operations
- Reduce existing non-recurrent congestion
- Accommodate current and future travel demands
- Improved freeway maintenance

Project risks:

- Complex access management strategies
- Railroad
- Truckee River
- Socio-economic environment
- Fragmented Local Network
- Right of Way
- Historical and cultural impacts
- 4f and 6f impacts

What’s Changed Since Last Update?

- Scope - No changes
- Schedule - Environmental Phase Complete
- Budget - Updated based on Cost Risk Assessment

Financial Fine Points (Key Assumptions):

- Total funding expended for Environmental Phase: $11.6 Million
- Total funding expended for Phase 1 SBX: $13.5 Million

% Environmental Complete: 0 - 100
% Design SBX Phase 1 Complete: 0 - 100

December 2019
Pyramid Highway/US 395 Connection

Project Sponsor: Washoe County RTC and NDOT
Washoe RTC Project Manager: Doug Maloy, P.E.
NDOT Project Manager: Sajid Sulahria, P.E.
Phone: (775) 888-7742

Project Description:
• Calle de la Plato to La Pasada - Transition from 4 Lane Arterial to 6 lane freeway.
• La Pasada to Sparks Blvd. - Develop Pyramid alignment into 6 lane freeway with frontage roads.
• Continue 6 lane freeway from Sparks Blvd. to Disc Dr. either on the Pyramid alignment with frontage roads or on a separate alignment to the west.
• Extend 6 lane freeway through Sun Valley to US-395.
• Widen and improve Pyramid highway from Disc Dr. to Queen Way.
• Widen and extend Disc Dr. to Vista Blvd.
• NEPA completed by Washoe RTC.
• This project will be delivered in 6 phases.
• Phase 1 from Queen Way to Golden View Drive is currently in the design process.

Schedule:
Planning: Complete
Environmental: 2010 - 2018
Record of Decision (ROD): 2018
Final Design:
Phase 1 - currently in design
Phases 2 through 6 design TBD
Construction:
Phases 1 through 6 - TBD

Project Cost Range:
(Planning phase estimates)
Engineering: $40M - $60M
Right-of-Way: $100M - $150M
Construction: $410M - $660M
Total Project Costs: $550M - $870M

Project Benefits:
• Address nonrecurrent congestion and safety along the Pyramid Highway and McCarran Blvd. corridors.
• Provide alternative access to freeway system.
• Improve safety.

What's Changed Since Last Update?
• The Record of Decision has been received.
• Phase 1 - Queen Way to Golden View Drive is currently in the design process.

Project risks:
• Construction in a dense urban residential area.
• Funding sources for all phases not identified.
• Complex right of way and utility issues may impact schedule and costs.

Financial Fine Points (Key Assumptions):
• Total RTC Funding Expended - $7,300,000
• Construction funding for all phases: TBD

% Environmental Complete
% Design Complete Phase 1
Project Sponsor: NDOT
Senior Project Manager: Sajid Sulahria, P.E.
(775) 888-7742

Project Description:
- This project will be delivered in four packages. Construction is complete for Phase 2B Packages 1, 2 & 3.
- Phase 2B Package 4 will construct the South Carson Interchange and complete the remainder of the project.

Schedule:
Planning: Complete
Environmental: Complete
Final Design: Phase 2B Packages 1, 2 & 3 are Complete - Package 4 - TBD
Construction: Phase 2B Packages 1, 2 & 3 are Complete - Package 4 - TBD

Project Cost Range:
(Final design phase estimates):
Engineering: $11 - $13 million
Right-of-Way: $30 - $32 million
Construction: $100 - $150 million
Total Project Cost: $150 - $200 million not including Package 4

Project Benefits:
- Relieve traffic congestion on Carson Street through Carson City and local streets along the freeway corridor.
- Reduce travel times through the region.
- Provide flood control protection.
- Improve opportunities for economic development along the corridor and downtown.

What's Changed Since Last Update?
- Scope - Package 4 will complete the remainder of the Freeway.
- Schedule - TBD
- Cost - No change

Project risks:
- Project completion date will depend on the availability of funds.
- Concurrent utility relocation will be required.
- Changes in design standards could affect schedule and budget.
- New development along the corridor.

Financial Fine Points (Key Assumptions):
- Total funding expended: $200 million
- Construction funding source for Phase 2B-4: TBD

% Design Complete
2B-1, 2B-2, 2B-3
% ROW Complete
% Construction Complete 2B-1, 2B-2, 2B-3
% Design Complete 2B-4
% Construction Complete 2B-4

December 2019
4.0 COMPLETED MAJOR PROJECTS

As a part of the reporting requirements in Section 55.5 of AB 595, the Department is to report the number of major projects for which construction was completed during this quarter. For each completed project, the Department is to report on the following:

1. Whether the project was completed early or on time.
2. Whether the project remained within its planned scope.
3. Whether the project was completed for less than or for the amount of its budgeted expenses.
4. Any specific measures of transportation improvement resulting from the project.

For the quarter ending on December 31, 2019 there were two projects completed.

The US 95 NW Phase 2B/5 project was completed on time within 350 working days. The project remained within its planned scope and was completed for less than the amount of its budgeted expenses. Phase 2B/5 increased capacity and safety on US 95 by widening the freeway from 4 to 6 lanes between Durango Drive and Kyle Canyon Road. A new service interchange at Kyle Canyon Road was also constructed as well as direct access High Occupancy Vehicle (HOV) ramps on US 95 at Elkhorn Road. Additionally, the project constructed a regional flood control facility along the west side of US 95 from CC 215 to Grand Teton Drive. The following project goals were all accomplished: increase capacity, improve safety, improve access, and improve travel time reliability.

The I-15 Starr Avenue Interchange project is one element within the $1.2 billion I-15 South Corridor project. The I-15 Starr Avenue Interchange project (contract 3683, EA 73687) used the traditional design-bid-build delivery method to construct a new full-access interchange at I-15 and Starr Avenue which connected Starr Avenue from Las Vegas Boulevard on the east side of I-15 to Dean Martin Drive on the west side of I-15. The project included landscaping and aesthetics, drainage improvements, sidewalks, crosswalks, bicycle lanes, lighting and signals. The project constructed the first wrong-way detection system installment in southern Nevada to assist the prevention of traffic from entering I-15 driving the wrong way. The project improved access to/from I-15 with the new interchange, improved travel time reliability, and enhanced local regional traffic with the connection of Starr Avenue to both sides of I-15. The project was bid for $33,700,000 and the final project cost, inclusive of change orders, was $35,081,884. The majority of the funding for this project was provided by the City of Henderson utilizing their fuel revenue indexing (FRI) funding; the balance of the funding was a combination of state and federal dollars.