



Department of Transportation  
Board of Directors  
Notice of Public Meeting  
1263 South Stewart Street  
Third Floor Conference Room  
Carson City, Nevada  
June 17, 2019 – 9:30 a.m.

## AGENDA

1. Welcome / Call to Order  
Governor Steve Sisolak, Controller Catherine Byrne, Lt. Gov. Kate Marshall, Len Savage, BJ AlMBERG, Virginia Valentine, Frank Martin
2. Presentation of Retirement Plaques to 25+ Year Employees – *Informational item only.*
3. Presentation of Awards – *Informational item only.*
4. Receive Director's Report – *Informational item only.*
5. Public Comment (The first public comment is limited to comments on items on the agenda. No action may be taken upon a matter raised under public comment period unless the matter itself has been specifically included on an agenda as an action item. The Chair of the Board will impose a time limit of three minutes).
6. Appointment of Deputy Director Tracy Larkin-Thomason to serve as the Secretary to the Transportation Board – *For possible action.*
7. Approval of the May 13, 2019 Nevada Department of Transportation Board of Directors Meeting Minutes – *For possible action.*
8. Approval of Contracts over \$5,000,000 – *For possible action.*
9. Approval of Agreements over \$300,000 – *For possible action.*
10. Contracts, Agreements, and Settlements – Pursuant to NRS 408.131 the Board may delegate authority to the Director which the Director may exercise pursuant to NRS 408.205. These items and matters have been delegated to the Director by the Board by resolutions in April 1990 and July 2011. *Informational item only.*
11. Report on the Status of Road Transfers Between the Department and the City of Las Vegas – *Informational item only*
12. FY2020/FY2021 Biennium Equipment Procurement Staff Report – *For possible action.*
13. Public Comment (This public comment period is for any matter that is within the jurisdiction of the public body. No action may be taken upon a matter raised under public comment period unless the matter itself has been specifically included on an agenda as an action item. The Chair of the Board will impose a time limit of three minutes).
14. Adjournment – *For possible action.*

### Notes:

- Items on the agenda may be taken out of order.
- The Board may combine two or more agenda items for consideration
- The Board may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.
- The Board will limit public comments to three minutes per speaker and may place other reasonable restrictions on the time, place, and manner of the public comments based upon viewpoint.
- Reasonable efforts will be made to assist and accommodate physically handicapped persons desiring to attend the meeting. If special arrangements for the meeting are necessary, please notify Renee

Jacobs at (775) 888-7440 or [rjacobs@dot.nv.gov](mailto:rjacobs@dot.nv.gov) as soon as possible and at least two days in advance of the meeting

- This meeting is also expected to be available via video-conferencing, at the Nevada Department of Transportation District One Office located at 123 East Washington, Las Vegas, Nevada in the Conference Room and at the District III Office located at 1951 Idaho Street, Elko, Nevada.
- Copies of non-confidential supporting materials provided to the Board are available upon request.
- Request for such supporting materials should be made to Renee Jacobs at (775) 888-7440 or [rjacobs@dot.nv.gov](mailto:rjacobs@dot.nv.gov)
- Such supporting material is available at 1263 South Stewart Street, Carson City, Nevada 89712 and if available on-line, at [www.nevadadot.com](http://www.nevadadot.com).

This agenda was posted at the following locations:

<https://www.nevadadot.com/doing-business/public-involvement-information>

Nevada Dept. of Transportation  
1263 South Stewart Street  
Carson City, Nevada

Nevada Dept. of Transportation  
123 East Washington  
Las Vegas, Nevada

Nevada Dept. of Transportation  
310 Galletti Way  
Sparks, Nevada

Nevada Dept. of Transportation  
1951 Idaho Street  
Elko, Nevada

Governor's Office  
Capitol Building  
Carson City, Nevada

State of Nevada Gov.  
<https://notice.nv.gov/>



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

## MEMORANDUM

June 3, 2019

**TO:** Department of Transportation Board of Directors  
**FROM:** Kristina Swallow, Director  
**SUBJECT:** June 17, 2019 Transportation Board of Directors Meeting  
**Item #3:** Presentation of Awards – *Informational Item Only*

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**Summary:** This item is to recognize the Department of Transportation and staff for awards and recognition received.

**AWARD:** American Trails' 2019 Trail Partnership Award

**RECIPIENT:** NDOT and partner agencies

**RECOGNITION FOR:** State Route 28 Shared-Use Path Demonstration Project

The American Trails organization supports the development of diverse, quality trails across the nation. The organization awarded the joint efforts of NDOT and the Tahoe Transportation District as part of 13 agencies and non-profit project partners who came together to develop and construct the State Route 28 Shared Use Path at Lake Tahoe.

The three-mile path, scheduled to open in July 2019, represents a collaborative multi-year, multi-jurisdictional, multiagency and nonprofit effort to construct a paved shared-use path along the two-lane Nevada State Route 28 Scenic Byway Corridor.

The path is aimed at enhancing safety and mobility by separating vehicle and foot traffic. More than two and a half million vehicles a year travel on State Route 28, mixing with as many as 2,000 pedestrians and bicyclists who park and recreate near the roadside on peak days and creating safety and accessibility concerns on the mountaineous highway. Centerline rumble strips and emergency roadside turnouts were also added, further enhancing motorist and pedestrian safety.

With more than 70 percent of the pollutants impacting Lake Tahoe's clarity coming from the built environment and transportation system, water quality improvements such as enhanced roadside drainage inlets, sediment filtration systems and erosion control were also installed to help preserve the quality of stormwater entering Lake Tahoe.

The path is envisioned to ultimately circumnavigate Lake Tahoe's entire perimeter, taking a holistic approach to addressing challenging conditions for motorists, pedestrians, and bicyclists, and providing a safe alternative to driving and sustainable access for all.

The award was presented at the 2019 International Trails Symposium.

## **AWARD: Alcatel-Lucent Enterprise IT Vanguard Award**

**RECIPIENT: NDOT Traffic Operations Technology Manager Jim Whalen**

### **RECOGNITION FOR: Advanced Use of IT Technologies**

**Alcatel-Lucent Enterprises** recognized NDOT Traffic Operations Technology Manager Jim Whalen as one of 11 North American information technology leaders who are transforming network communications and bringing value to their organizations with innovative IT projects which ultimately serve the end user. Jim oversees NDOT's intelligent transportation technologies, and was recognized for his part in developing NDOT's ITS Core Network Upgrade project.

NDOT's ITS network has in the past relied on industry-standard Spanning Tree Protocol, which presents various challenges in operating and maintaining a statewide system utilizing a mixture of network devices. Recent years have witnessed a mushrooming of demands on such ITS communications systems, including increased need for high-performance, reliable and sophisticated transmission of vital information from various Internet of Things (IoT) roadside devices to varied users from public safety officials to the motoring public.

This project upgraded many NDOT systems to a Shortest Path Bridging system which will greatly enhance and support system maintenance and operations, including further integration with certain connected vehicle and other technological needs. The project also implemented a data center and comprehensive network security strategy.

Ultimately, the resulting statewide network is anticipated to be the most advanced ITS network in the nation.

## **AWARD: Intelligent Transportation Society of Nevada Best ITS Project of the Year Over \$2 Million**

**RECIPIENT: NDOT's Traffic Operations Technology Section**

### **RECOGNITION FOR: NDOT ITS Core Network Upgrade Project**

**The Intelligent Transportation Society of Nevada** recognized NDOT's ITS Core Network Upgrade project. NDOT's intelligent transportation system supports many critical services such as traffic cameras, roadway weather sensors and more which serve the traveling public with vital road information and other support.

This network has in the past relied on industry-standard Spanning Tree Protocol, which presents various challenges in operating and maintaining a statewide system utilizing a mixture of network devices. Recent years have witnessed a mushrooming of demands on such ITS communications systems, including increased need for high-performance, reliable and sophisticated transmission of vital information from various Internet of Things (IoT) roadside devices to varied users from public safety officials to the motoring public.

This project upgraded many NDOT systems to a Shortest Path Bridging system which will greatly enhance and support system maintenance and operations, including further integration with certain connected vehicle and other technological needs. The project also implemented a data center and comprehensive network security strategy.

Ultimately, the resulting statewide network is anticipated to be the most advanced ITS network in the nation.

**AWARD: Intelligent Transportation Society of Nevada Most Influential ITS Professional in Nevada**

**RECIPIENT: NDOT ITS Network Administrator Gary Molnar**

**RECOGNITION FOR: Advanced Use of IT Technologies, Including ITS Core Network Upgrade Project**

**The Intelligent Transportation Society of Nevada** recognized NDOT ITS Network Administrator Gary Molnar as Nevada's most influential ITS professional for administering NDOT's ITS Core Network Upgrade project.

NDOT's ITS network has in the past relied on industry-standard Spanning Tree Protocol, which presents various challenges in operating and maintaining a statewide system utilizing a mixture of network devices. Recent years have witnessed a mushrooming of demands on such ITS communications systems, including increased need for high-performance, reliable and sophisticated transmission of vital information from various Internet of Things (IoT) roadside devices to varied users from public safety officials to the motoring public.

This project upgraded many NDOT systems to a Shortest Path Bridging system which will greatly enhance and support system maintenance and operations, including further integration with certain connected vehicle and other technological needs. The project also implemented a data center and comprehensive network security strategy.

Ultimately, the resulting statewide network is anticipated to be the most advanced ITS network in the nation.

**Prepared by:** Meg Ragonese, *NDOT Public Information Officer*



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## MEMORANDUM

June 3, 2019

**TO:** Department of Transportation Board of Directors  
**FROM:** Kristina L. Swallow, Director  
**SUBJECT:** June 17, 2019 Transportation Board of Directors Meeting  
**ITEM #6:** Appointment of Deputy Director Tracy Larkin-Thomason to serve as the Secretary to the Transportation Board – *For Possible Action*

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### **Summary:**

The purpose of this item is to recommend that the State Transportation Board of Directors appoint Tracy Larkin-Thomason to serve as Secretary to the Transportation Board pursuant to Nevada Revised Statute 408.121.

### **Background:**

Pursuant to NRS 408.121

1. The Board shall adopt a seal for use in authenticating contracts, records and proceedings of the department.
2. The Board shall appoint a Secretary from within the Department, who shall:
  - (a) Attend all meetings of the Board.
  - (b) Keep complete and accurate records of all the meetings, business and transactions of the Board.
  - (c) Keep in his or her custody the seal of the board and may impress it upon all contracts and documents on which it is necessary or appropriate.
  - (d) With the approval of the Board, prepare upon the request of any interested person copies of any contract or document in his or her custody, and may certify the contract or document. The Secretary shall not permit the originals to be taken from his or her custody by any person except members and employees of the department.
  - (e) Receive no extra compensation for his services.

3. The duties of the secretary are ex officio. His/her appointment is not subject to provisions of chapter 284 of NRS.

### **Recommendation for Board Action:**

It is recommended that the Board appoint Tracy Larkin-Thomason to serve as the Secretary to the Transportation Board.

### **List of Attachments:**

None

# Nevada Department of Transportation

## Board of Directors

### Meeting Minutes

May 13, 2019  
9:30 AM

**Meeting Locations:** 1263 South Stewart Street      123 East Washington  
Third Floor Conference Room      Building B  
Carson City NV 89711      Las Vegas, NV

#### 1. Welcome/Call to Order

Governor Sisolak called the meeting to order on Monday, May 13, 2019 at 9:30 AM. A roll call was conducted and a **quorum was established**.

**Members Present:** Governor Steve Sisolak, Chair, Lt. Governor Kate Marshall, Vice Chair, Controller Catherine Byrne, Virginia Valentine, Len Savage, BJ Almberg, Frank Martin.

#### 2. Receive Director's Report (Informational Item)

Director Swallow began the Director's Report by thanking Governor Sisolak for the equipment vote last month. She said she was so wrapped up in the meeting that she forgot to extend her thanks on behalf of the entire team.

The Director shared the sad news that three of their NDOT team members passed away: Alan Arzie, a member of the Stormwater Maintenance Crew in District 2, Larry Bogy, Resident Engineer in District 2, and Erlinda Guillier, a Design Engineer in District 1.

The third safety report of the year continues with a downward trend of fatalities which is a good sign. But the clock is ticking toward what is often called the 100 Deadliest Days of the Year between Memorial Day and Labor Day. DOT will be partnering with the Department of Public Safety on a speed campaign called Speed Matters as part of this campaign.

May Bike Month is off and running, with Bike to School Day last week, Bike to Work Week Challenge this week (Director Swallow predicts an NDOT win), and a celebrity bike ride in Carson City on May 30<sup>th</sup>.

There is news about I-580. The mile post numbers and the exit numbers are changing. It's a federal requirement that interstates match and align across the United States with their numbering. So, I-580 from Carson City to Reno now needs to be renumbered. The numbering and exit numbers on it right now are based on 395 which starts at Stateline.

Last year Nevada had 80 pedestrian deaths across the state and as a result of that and just long-term history with pedestrian fatalities, NDOT will program \$10 million this year specifically for pedestrian safety. Last week, the Department kicked off 17 projects in Carson City, Dayton and Gardnerville.

A Legislative update: The Governor signed AB 7 and AB 22 is on its way. There are two more bills in the pipeline: SB 395 is a bill to include tow trucks in the Move Over Legislation that already exists and they've added an amendment to also include the Freeway Service Patrol Teams. AB 377 is an effort to align state law with federal law in terms of overweight vehicles.

An unidentified speaker asked Director Swallow why there were only 19 schools in the Clark County School District that participated in Bike to School Day? The Director responded that it wasn't an event that they were specifically as a State championing. Clark County School District ran an effort to do that with their Safe Route to School Program and apparently only 19 participated.

Member Savage said he'd like to compliment NDOT for the bike safety green lanes in Northern Nevada. They really are a great contribution to the local jurisdictions and the green really sticks out.

### 3. Public Comment

None.

### 4. Approval of the April 8, 2019 Nevada Department Of Transportation Directors Meeting Minutes (For Possible Action)

Governor Sisolak reminded everyone that they eliminated the seconds on all motions. It's not part of statute, so seconds on motions are not necessary.

**Motion:** Approve April 8, 2019 Nevada Department of Transportation Directors Meeting Minutes

**By:** Lieutenant Governor Marshall

**Vote:** Unanimous (with Mr. Martin Abstaining)

### 5. Contract Estimation Process Before and After Bidding (Informational Item)

Mr. Scott Hein, Chief Road Design Engineer for the Nevada Department of Transportation gave an overview of DOT's estimation process and how they compare to the other bidders in the bidding community.

There are three general stages of the estimation process. The first stage is developing the estimate. The staff calculates quantities required for building the contract and then they assign a bid item number to those quantities. After they do that, they assign a price to that bid item using historical bid prices. Whenever they bid a job, they get multiple bids, typically three or four bids for every job and they keep all those bids in their database. They don't just keep the low bids. They keep all the bids and then they have this large database of bid prices for all the separate items they have. They're able to sort those items to suit their needs. For example, if they had 1,000 feet of pipe in Elko, to come up with a price for that, they could sort their data by District 3 or Elko. They can sort the quantity to get it close to 1,000 length foot and when they can price it accurately instead of using a price from Las Vegas for the same pipe. They do generally a pretty good job of that. In addition to the historical bid process and the bid items, they do have some percentage based items for the estimate. Mobilization is one of those; they're using about 6% for those items. Construction engineering. Construction engineering is the testing and inspection of the projects. That bid item is typically 10-15% of the total cost of the project.

Once there's a complete set of plans and a complete estimate, NDOT advertises the contract and receives bids from the contractors. They don't publish Engineer's Estimate in the bid packet, they show a range of an estimate; it's based on a tiered system. Then, after they receive all the bids for a contract, they analyze those bids before they award. It goes to the BRAT. The BRAT is an acronym for the Bid Review and Analysis Team. They compare all the contractors' bids to the Engineer's estimate and the other contractors' bids among themselves. They use the price sensitivity report. That's included in the Board Packets every month. Once they are satisfied that all the bids are up to snuff, they'll recommend to award or not to award, but it's the Director's ultimate decision whether to award a contract or not.

Governor Sisolak asked what "minimal amount of time and money spent estimating this," meant? Mr. Hein estimated that dollar-wise, it probably amounted to \$100,000-\$150,000 a year to do the estimates, well under production based typed estimates. And, the Department was getting good results.

Governor Sisolak asked for more clarification on the fixed, tiered bidding system and how that worked for the Department and for the contractors doing the bidding. Mr. Hein explained about the contracting community making better bids that way, Director Swallow explained about published ranges, and Mr. Martin described how it allows companies to check with their bonding companies to assure that they've got the bonding to bid on that range. It also gives them an idea of the amount of resources before they start to bid the job that they're going to have to dedicate to it and make a business decision.



Member Alberg said an unrelated but interesting item was something he learned at a presentation at their last Construction Work Group meeting. NDOT is the only agency that has so many bid items that they can basically break their bids up into whatever groups they want. It is unique in the whole state. Mr. Alberg thinks it may be something that they consider revising slightly in the future to narrow down how many bid items they actually come up with.

### 6. Approval of Contracts over \$5,000,000 (For Possible Action)

Director Swallow reported there was one item in this agenda item. It is for a project located in Elko. It's a rehabilitation project to focus on pavement condition and safety.

Member Alberg asked is this currently a concrete freeway and they're going to mill it off, it appears and then they're going to asphalt overlay?

Cole Mortensen, Assistant Director of Engineering, responded the concrete pavement out in that area has deteriorated to a point to where they need to take action as far as a rehabilitation project. In this case, what they're going to be doing is essentially cracking and rubberizing that concrete pavement so that they don't perpetuate the joint cracks up through the asphalt when they pave over it. So, it's going to be a really good base material and then they're going to have asphalt pavement go over the top of it. It is part of the rehabilitation for this project.

Governor Sisolak asked what's the source of the funds for this project? Director Swallow said it's a National Highway Preservation Funding, federal funding.

The Governor asked how much money does the state get? The Director said she didn't have the total of amount of NHPP funding on an annual basis, but she could get that.

Governor Sisolak asked how is the money allocated with the abundance of projects and limited resources? The Director responded across the state, annually, they observe pavement conditions and they work to make sure that the pavement condition on interstates and primary routes remains in fair or better condition. They prioritize those that have the most significant impact to the traveling public and freight traffic across the State.

The Governor expressed surprise that this road was prioritized as higher need than some others, and someone on the phone named Darren who "manages the prioritization process" explained. He said: "we use our Category 1, that's all interstate routes. So, anything interstate throughout the whole state is our highest priority. Then US routes, they're all categorized into categories by the amount of traffic. They're also the highest value in terms of if condition deteriorates, then what's the cost of replacing them. We use those two factors to take the amount of money that we do have and prioritize it for rehabilitating our pavements. This project is high priority for us to keep the interstate traffic flowing and keep the roads in, like the Director said, fair or better condition." The Governor thanked Darren for that information and said he would appreciate getting the details on the prioritization and the other projects that were considered.

**Motion:** Approve the Contract 3768, under Item No. 6 for Pavement Rehabilitation

**By:** Lieutenant Governor Marshall

**Vote:** Unanimous

### 7. Approval of Agreements Over \$300,000 (For Possible Action)

Director Swallow asked if anyone had any questions on the four agreements listed under Item No. 7.

Controller Byrne had a question on Item 1's end date of 2023 when funding only went to 2022? Mr. Mortensen said that with this contract that November end date would include a portion of the construction, and he would anticipate amending the contract once the design is finalized to include that construction management administration.

Member Alberg asked why on Item No. 1 and Item No. 4 there was an overhead rate for Atkins at 147.8% on one item and an overhead rate of 137.7% on another item? What's the difference in overhead rate for the same company?

Mr. Roger Phillippe with Atkins answered Member AlMBERG's question. The 147% overhead rate is for their I-15 North Phase 4 Project. That's a project that was negotiated back in 2017. The new overhead rate has been lowered. It's just a result of working more efficiently, cutting costs. But, the company overhead rate has been dropping consistently over the last few years. The second one, the 137% is for the I-15 North Phase III. These are audited overhead rates and it's all settled up at the end of the project.

Mr. Mortensen added at the end of the contracts, they actually go through an audit process where they'll go back and if it's a multiyear contract, they'll consider the payments that were made and what the company's overhead was during that period of time. At the end, there's a truing up. So, there are situations where the consultant will have to reimburse the State and/or the State will owe the consultant additional overhead because their overhead rate has gone up during that period of time.

Member Savage had a question on Page 3 of 81. Line Item No. 1 underneath the Federal column, it says, it is not federally funded. He was curious, since it's an interstate project, why it is not federally funded like Item No. 4, which is an interstate project that is federally funded?

Mr. Mortensen replied although it isn't federally funded, it doesn't necessarily mean that it isn't eligible for federal funds. They'll try to exhaust and allocate all of their federal resources first and then fall back on state resources for projects. In many cases though, with design and early engineering portions, they'll use state funds because it doesn't come with all the federal strings attached and if something were to go wrong, then they wouldn't have to reimburse the federal government for the funds that had been expended on it. And, it's just an easier way for them to move through the design process.

Member Savage asked if there was any possibility to be reimbursed by the Feds for the design if it is federally funded on the construction side? Mr. Mortensen said he would have to talk to their financial management group about that because there's certain circumstances where they have advanced construction out there where they can request a reimbursement from the federal government. Mr. Mortensen doesn't anticipate doing that for this project however.

**Motion:** Approve Agreements over \$300,000 as detailed in Agenda Item 7  
**By:** Member Frank AlMBERG  
**Vote:** Unanimous

## 8. Contracts, Agreements, and Settlements (Informational Item)

Governor Sisolak said these items were delegated to the Director by the Board for action. Director Swallow said the items were informational items only and she was prepared to answer any questions. There were none.

## 9. Resolution of Abandonment (For Possible Action)

Governor Sisolak said for possible action is disposal of a portion of NDOT right-of-way, a parcel of land northwest of the intersection of SR-146, St. Rose Parkway and Las Vegas Boulevard in the County of Clark, State of Nevada.

Director Swallow said this was an easement that they acquired 50 plus years ago and it's no longer needed. They are asking approval to give the use of the land back to the original property owner.

**Motion:** Approve Resolution of Abandonment as detailed in Agenda Item 9  
**By:** Controller Byrne  
**Vote:** Unanimous

## 10. Public Comment

Lieutenant Governor Marshall addressed an unidentified woman as “Madam Director” and asked if she would consider doing a brief presentation at their next meeting on the community outreach and small business outreach the “Madam Director” is involved in. The Governor said they will have a brief presentation at the next meeting.

The next public speaker was Ms. Laurie Rodriguez. She gave a thoughtful, detailed, researched, and quite convincing sales pitch for a monorail system to get people to TRIC. Ms. Rodriguez plans to speak about this idea at the nine different county commission and city council meetings in the coming months.

Mr. Bill Wellman was the last speaker. He said NDOT must continue to be forward thinking. NDOT must be more proactive instead of being reactive. And NDOT must do more with less.

## 11. Adjourn

**Motion:** Adjourn

**By:** Member Almberg

**Vote:** Unanimous

DRAFT



1263 South Stewart Street  
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Fax: (775) 888-7201

## **MEMORANDUM**

**June 7, 2019**

**TO: Department of Transportation Board of Directors**  
**FROM: Kristina L. Swallow, Director**  
**SUBJECT: June 17, 2019, Transportation Board of Directors Meeting**  
**Item #8: Approval of Contracts Over \$5,000,000 – For Possible Action**

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### **Summary:**

The purpose of this item is to present to the Board a list of construction contracts which are over \$5,000,000 for discussion and approval.

### **Background:**

The Department contracts for services relating to the construction, operation and maintenance of the State's multi-modal transportation system. Contracts listed in this item are all low-bid (or guaranteed maximum price for Construction Manager at Risk (CMAR) contracts) per statute.

The attached construction contracts constitute all contracts over \$5,000,000 for which the bids were opened and the analysis completed by the Bid Review and Analysis Team and the Contract Compliance section of the Department from April 27, 2019, through May 29, 2019.

### **Analysis:**

These contracts have been prepared following the Code of Federal Regulations, Nevada Revised Statutes, Nevada Administrative Code, State Administrative Manual, and/or Department policies and procedures.

### **List of Attachments:**

- A) State of Nevada Department of Transportation Contracts for Approval, April 27, 2019, through May 29, 2019.

### **Recommendation for Board Action:**

Approval of the contracts listed on Attachment A.

**Prepared by:** Administrative Services Division

# Attachment

# A

**STATE OF NEVADA DEPARTMENT OF TRANSPORTATION**  
**CONTRACTS FOR APPROVAL**  
**April 27, 2019, through May 29, 2019**

1. May 9, 2019 at 2:00 PM the following bids were opened for Contract **3769-READV**, Project No. NHP-080-4(094), on I-80, from the trailing edge of H-902 to 0.93 miles west of Osino Interchange, in Elko County, to cold-mill, rubblize PCCP, stress relief course, and plant-mix bituminous surface with open grade.

Q & D Construction LLC .....	\$12,300,000.00
Road and Highway Builders LLC .....	\$13,222,222.00
W.W. Clyde & Co.....	\$13,275,000.00

**Engineer's Estimate**.....\$12,125,415.58

The Director recommends award to Q & D Construction LLC in the amount of \$12,300,000.00.

2. May 16, 2019 at 2:30 PM the following bids were opened for Contract **3772**, Project No. SPSR-0593(003), on SR-593, Tropicana Avenue, from Maryland Parkway to Boulder Highway, in Clark County, for cold-milling with plant-mix bituminous surface and open graded surface with areas of concentration and ADA improvements.

Las Vegas Paving Corporation .....	\$10,500,000.00
Security Paving Company, Inc.....	\$10,640,000.00
Aggregate Industries SWR, Inc.....	\$11,219,975.00

**Engineer's Estimate**.....\$10,258,040.76

The Director recommends award to Las Vegas Paving Corporation in the amount of \$10,500,000.00.

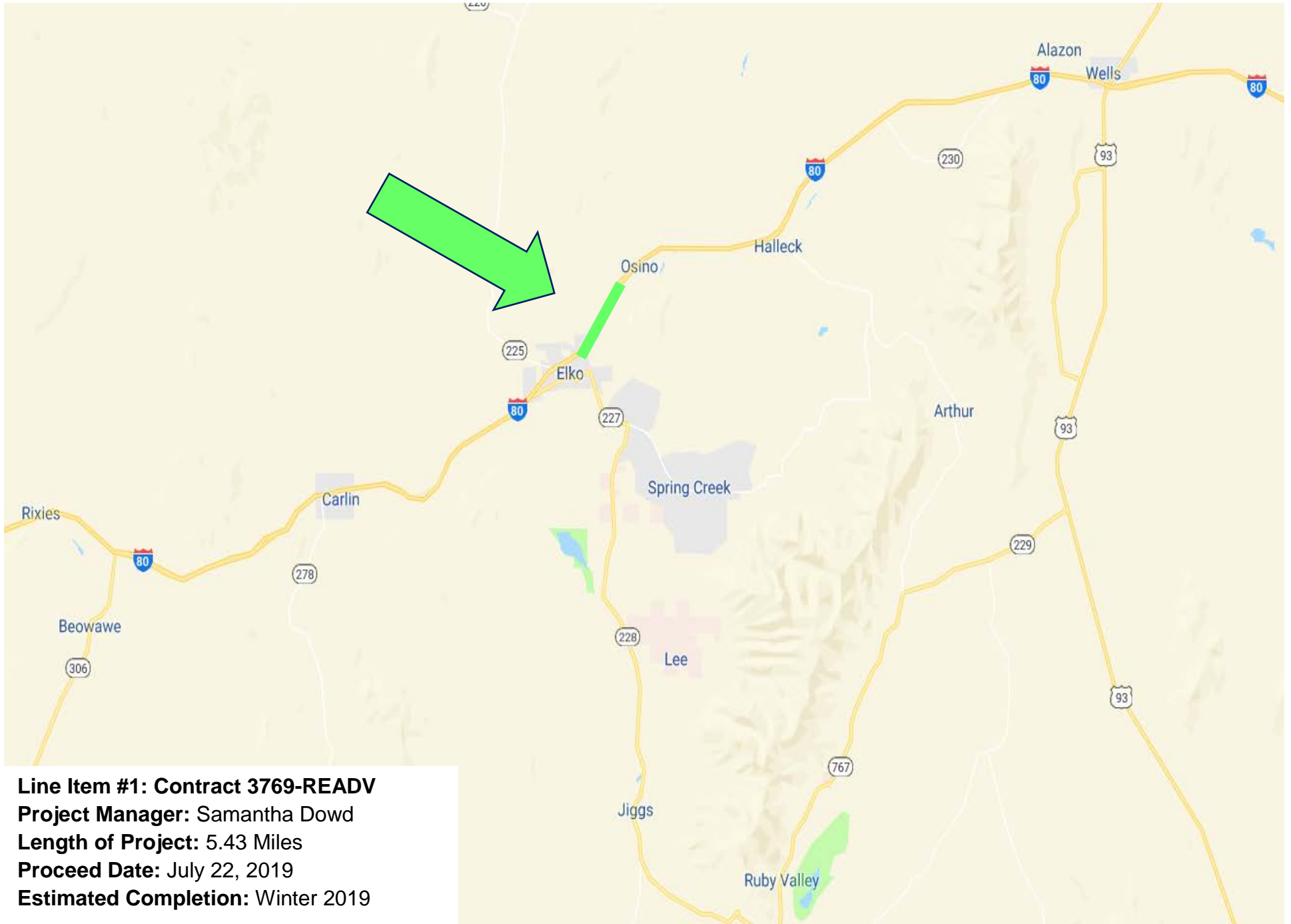
3. May 23, 2019 at 2:00 PM the following bids were opened for Contract **3775**, Project No. NHP-050-3(013), on US 50, from 4.2 miles east of Cold Springs to Churchill / Lander County line, in Churchill County, for cold milling, stress relief course, and plant-mix bituminous overlay with open grade.

Road and Highway Builders LLC .....	\$12,191,191.00
Granite Construction Company.....	\$12,970,970.00

**Engineer's Estimate**.....\$12,343,113.31

The Director recommends award to Road and Highway Builders LLC in the amount of \$12,191,191.00.

# Line Item 1



**Line Item #1: Contract 3769-READV**  
**Project Manager:** Samantha Dowd  
**Length of Project:** 5.43 Miles  
**Proceed Date:** July 22, 2019  
**Estimated Completion:** Winter 2019





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**MEMORANDUM**  
**Administrative Services**

May 20, 2019

**To:** Kristina L Swallow, Director  
Cole Mortensen, Assistant Director, Engineering  
Thor Dyson, Assistant Director, Operations

**From:** Tianne Simpson, Contract Services Manager – Administrative Services

**Subject:** Concurrence in Award for Contract No. 3769-READV, Project No. NHP-080-4(094), on I-80, from the trailing edge of H-902 to 0.93 miles west of Osino Interchange, in Elko County, described as cold-milling, rubblize PCCP, stress relief course, and plantmix bituminous surface with open grade. The Engineer's Estimate is \$12,125,415.58.

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This memo is to confirm concurrence in award of the subject contract.

Bid proposals were opened on May 9, 2019. Q & D Construction LLC is the apparent low bidder at \$12,300,000.00 and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Road and Highway Builders LLC with a bid of \$13,222,222.00.

The project is Federally funded, required 2.10% DBE participation, and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by the Q & D Construction LLC have been reviewed and confirmed by Contract Services. The DBE information submitted by the Q & D Construction LLC has been reviewed and certified by the External Civil Rights office. Q & D Construction LLC has met the required DBE participation with a 2.11% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chairs have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt a packet will be prepared to obtain Transportation Board approval of the award at the next available meeting.

Concurrence in award:

DocuSigned by:  
*Cole Mortensen*  
SF9A0E81C94047A...  
Cole Mortensen, Assistant Director

DocuSigned by:  
*Thor Dyson*  
DDE1C18490EE4BD...  
Thor Dyson, Assistant Director

DocuSigned by:  
*Kristina L. Swallow*  
C4BB12FC2C1E4EB...  
Kristina L. Swallow, Director

Enclosures:  
Unofficial Bid Results Report  
DBE Sub Approval  
BRAT Report



**Nevada Department of Transportation**  
**Unofficial Bid Results**  
 May 09, 2019

<b>Contract Number:</b> 3769-READV	<b>Bid Opening Date and Time:</b> 5/9/2019 2:00 PM
<b>Designer:</b> WARREN COLES	<b>Liquidated Damages:</b> \$4,500.00
<b>Senior Designer:</b> SAMANTHA DOWD	<b>Working Days:</b> 120
<b>Estimate Range:</b> R30 \$11,500,000.01 to \$13,500,000	<b>District:</b> DISTRICT 3
<b>Project Number:</b> NHP-080-4(094)	

**County:** ELKO  
**Location:** I-80, from the trailing edge of H-902 to 0.93 miles west of Osino Interchange  
**Description:** Cold-milling, rubblize PCCP, stress relief course, and plantmix bituminous surface with open grade

	Actual Bid
<b>Apparent Low Bidder:</b> <u>Q &amp; D Construction LLC</u>	<u>\$12,300,000.00</u>
<b>Apparent 2nd:</b> <u>Road and Highway Builders LLC</u>	<u>\$13,222,222.00</u>
<b>Apparent 3rd:</b> <u>W.W. Clyde &amp; Co.</u>	<u>\$13,275,000.00</u>

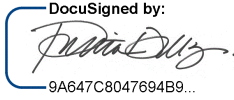
<b>Bidders:</b>	<b>Actual Bid Amount</b>
1 Q & D Construction LLC 1050 South 21st Street Sparks, NV 89431 (775) 786-2677	\$12,300,000.00
2 Road and Highway Builders LLC 175 Salomon Circle Ste #103 Sparks, NV 89434 (775) 852-7283	\$13,222,222.00
3 W.W. Clyde & Co. PO Box 1898 Orem, UT 84059 (801) 802-6800	\$13,275,000.00



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7497  
Fax: (775) 888-7235

**MEMORANDUM**  
**Contract Compliance**

**May 18, 2019**

**To:** Lynn Hoffman, Administrative Services Officer III  
**From:** Paulita De La Cruz, DBE Specialist   
**Subject:** NDOT Bidder DBE Information – Contract No. 3769-READV, I-80, from the trailing edge of H-902 to 0.03 miles west of Osino Interchange

Apparent low bid: \$12,300,000.00

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The DBE information for Benson Construction & Trucking, Inc. submitted by the apparent low bidder, Q & D Construction LLC has been received by Contract Compliance and we have concluded:

Benson Construction and Trucking, Inc. holds an active State of Nevada business license and is a Nevada certified DBE firm. Benson Construction and Trucking, Inc. is clear of State disqualification and Federal exclusion.

The DBE goal of 2.10% has been exceeded with an 2.11% DBE committed participation by the apparent low bidder, Q & D Construction LLC.

The DBE firm is approved for this contract.

cc: Contract Services  
Contract Compliance  
Ray Marshall, Title VI/DBE Manager  
Teri Lewis, Asst. Title VI/DBE Manager  
Teresa Schlaffer, Contract Compliance Manager



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7070  
Fax: (775) 888-7101

**MEMORANDUM**  
**Administrative Services**

May 15, 2019

**To: Lynn Hoffman, ASO III - Administrative Services**  
**From: Bid Review and Analysis Team**  
**Subject: BRAT Summary Report for Contract # 3769-READV**

The Bid Review and Analysis Team (BRAT) met on May 14, 2019 to discuss bids for the above referenced contract. The following were in attendance:


- Scott Hein, Chief Design Engineer
- Sharon Foerschler, Chief Constructability Engineer
- Cori Brennan, Program Officer
- Mark Caffaratti, Professional Engineer
- Warren Coles, Associate Engineer
- Casey Connor, Professional Engineer
- Samantha Dowd, Professional Engineer
- Stephen Lani, Professional Engineer
- Michael West, Associate Engineer

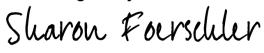
Via Phone:  
John England, Professional Engineer

The overall bid proposal was evaluated and determined to be acceptable. The Bid Tabulation and Price Sensitivity is attached.

The apparent low bidder, Q&D Construction, submitted a bid which is 101% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:  
  
E7F2D4506AC6488  
Scott Hein, BRAT Co-Chair

DocuSigned by:  
  
87A4C90A4CB7477  
Sharon Foerschler, BRAT Co-Chair

cc: Attendees;  
Dennis Gallagher, Legal  
Design Admin  
Dale Wegner, FHWA

**Bid Tabulation****- May 10, 2019 -**

**Contract No.:** 3769-READV  
**Description:** Cold-milling, rubblize PCCP, stress relief course, and plantmix bituminous surface with open grade  
**Location:** I-80, from the trailing edge of H-902 to 0.93 miles west of Osino Interchange  
**Bid Opening:** May 09, 2019, 2:00 PM

**Project No.:** NHP-080-4(094)  
**Project Id:** 73787  
**County:** Elko  
**Range:** R30 (\$11,500,000.01 to \$13,500,000.00)  
**Working:** 120

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q & D Construction		Road and Highway Builders		W.W. Clyde & Co.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1100050	500.000	HOURL	TRAINING	\$0.80	\$400.00	\$0.80	\$400.00	\$0.80	\$400.00	\$0.80	\$400.00
2010100	1.000	LS	CLEARING AND GRUBBING	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$80,000.00	\$80,000.00	\$12,906.01	\$12,906.01
2020120	15,480.000	SQFT	REMOVAL OF PORTION OF BRIDGE DECK	\$3.00	\$46,440.00	\$1.80	\$27,864.00	\$4.00	\$61,920.00	\$0.60	\$9,288.00
2020160	352.000	LINFT	REMOVAL OF EXPANSION JOINTS	\$55.00	\$19,360.00	\$24.00	\$8,448.00	\$60.00	\$21,120.00	\$72.09	\$25,375.68
2020465	17.000	EACH	REMOVE GUARDRAIL END TREATMENT	\$700.00	\$11,900.00	\$790.00	\$13,430.00	\$200.00	\$3,400.00	\$836.10	\$14,213.70
2020585	1,122.000	LINFT	REMOVAL OF FENCE	\$7.00	\$7,854.00	\$4.00	\$4,488.00	\$6.00	\$6,732.00	\$2.84	\$3,186.48
2020625	2.000	EACH	REMOVE EMBANKMENT PROTECTOR	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00	\$600.00	\$1,200.00	\$1,916.41	\$3,832.82
2020955	2,677.400	LINFT	REMOVAL OF BITUMINOUS SHOULDER DIKE	\$5.00	\$13,387.00	\$1.70	\$4,551.58	\$8.00	\$21,419.20	\$1.08	\$2,891.59
2020965	2,324.000	SQYD	REMOVAL OF BITUMINOUS SURFACE	\$9.00	\$20,916.00	\$10.00	\$23,240.00	\$6.00	\$13,944.00	\$15.13	\$35,162.12
2020990	212,328.800	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$2.55	\$541,438.44	\$2.25	\$477,739.80	\$6.00	\$1,273,972.80	\$2.76	\$586,027.49
2021240	74.000	LINFT	REMOVAL OF CORRUGATED METAL PIPE DOWNDRAIN	\$40.00	\$2,960.00	\$30.00	\$2,220.00	\$70.00	\$5,180.00	\$43.16	\$3,193.84
2030140	23,192.900	CUYD	ROADWAY EXCAVATION	\$20.00	\$463,858.00	\$38.50	\$892,926.65	\$10.00	\$231,929.00	\$16.14	\$374,333.41
2030360	78,226.400	SQYD	BASE PREPARATION	\$3.00	\$234,679.20	\$0.82	\$64,145.65	\$0.10	\$7,822.64	\$0.67	\$52,411.69
3020140	11,142.100	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$50.00	\$557,105.00	\$32.00	\$356,547.20	\$54.00	\$601,673.40	\$23.99	\$267,298.98
4020100	254.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$20.00	\$5,080.00	\$7.00	\$1,778.00	\$28.00	\$7,112.00	\$11.37	\$2,887.98
4020130	2,677.400	LINFT	PLANTMIX BITUMINOUS SHOULDER DIKES	\$7.00	\$18,741.80	\$5.25	\$14,056.35	\$14.00	\$37,483.60	\$7.72	\$20,669.53
4020190	71,483.600	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$75.00	\$5,361,270.00	\$75.50	\$5,397,011.80	\$61.00	\$4,360,499.60	\$85.45	\$6,108,273.62
4020200	17,066.300	TON	PLANTMIX SURFACING (TYPE 3) (WET)	\$80.00	\$1,365,304.00	\$101.00	\$1,723,696.30	\$125.00	\$2,133,287.50	\$93.54	\$1,596,381.70
4030100	21.480	MILE	MILLED RUMBLE STRIPS	\$650.00	\$13,962.00	\$850.00	\$18,258.00	\$400.00	\$8,592.00	\$1,496.90	\$32,153.41
4030110	9,117.200	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$115.00	\$1,048,478.00	\$107.00	\$975,540.40	\$135.00	\$1,230,822.00	\$111.75	\$1,018,847.10
4060135	240.000	TON	CUTBACK ASPHALT, TYPE MC-250	\$650.00	\$156,000.00	\$450.00	\$108,000.00	\$69.00	\$16,560.00	\$1,009.54	\$242,289.60
4070190	0.500	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$1,500.00	\$750.00	\$500.00	\$250.00	\$2,500.00	\$1,250.00	\$1,093.70	\$546.85
4070240	2.000	TON	SAND BLOTTER	\$120.00	\$240.00	\$0.01	\$0.02	\$200.00	\$400.00	\$259.03	\$518.06
4100170	132,129.100	SQYD	RUBBLIZE CONCRETE PAVEMENT	\$3.00	\$396,387.30	\$2.20	\$290,684.02	\$6.00	\$792,774.60	\$2.66	\$351,463.41
4960130	1,728.000	SQYD	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	\$50.00	\$86,400.00	\$50.50	\$87,264.00	\$50.00	\$86,400.00	\$99.43	\$171,815.04
4960160	151,756.000	POUND	POLYMER CONCRETE AGGREGATE	\$0.36	\$54,632.16	\$0.28	\$42,491.68	\$0.20	\$30,351.20	\$0.17	\$25,798.52
4960170	21,248.000	POUND	POLYMER CONCRETE RESIN	\$3.00	\$63,744.00	\$2.25	\$47,808.00	\$3.00	\$63,744.00	\$4.58	\$97,315.84
5020360	1.000	FA	CONCRETE BRIDGE DECK REPAIR	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00
5020400	1.000	FA	REPAIR SUBSTRUCTURE	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00
5020405	42.000	LINFT	CRACK REPAIR	\$10.00	\$420.00	\$260.00	\$10,920.00	\$150.00	\$6,300.00	\$57.13	\$2,399.46
5021700	352.000	LINFT	EXPANSION JOINT SEALANT	\$35.00	\$12,320.00	\$30.50	\$10,736.00	\$30.00	\$10,560.00	\$72.61	\$25,558.72
5022000	352.000	LINFT	PREFORMED JOINT FILLER, (2-INCH)	\$70.00	\$24,640.00	\$42.00	\$14,784.00	\$30.00	\$10,560.00	\$140.00	\$49,280.00
6080150	1.000	EACH	EMBANKMENT PROTECTOR, TYPE 5	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$500.00	\$500.00	\$3,187.94	\$3,187.94
6080170	1.000	EACH	EMBANKMENT PROTECTOR, TYPE 5-2G	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$6,000.00	\$6,000.00	\$3,187.94	\$3,187.94
6080230	2.000	EACH	ANCHOR ASSEMBLY (12-INCH)	\$650.00	\$1,300.00	\$1,250.00	\$2,500.00	\$500.00	\$1,000.00	\$392.00	\$784.00
6080250	2.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$375.00	\$750.00	\$1,650.00	\$3,300.00	\$600.00	\$1,200.00	\$414.38	\$828.76
6080350	38.000	LINFT	12-INCH DOWNDRAIN PIPE	\$115.00	\$4,370.00	\$90.00	\$3,420.00	\$300.00	\$11,400.00	\$95.79	\$3,640.02
6080370	46.000	LINFT	18-INCH DOWNDRAIN PIPE	\$150.00	\$6,900.00	\$95.00	\$4,370.00	\$320.00	\$14,720.00	\$88.10	\$4,052.60

**Bid Tabulation****- May 10, 2019 -**

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q & D Construction		Road and Highway Builders		W.W. Clyde & Co.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6080460	1.000	EACH	12-INCH METAL END SECTION (DOWNDRAIN)	\$475.00	\$475.00	\$1,200.00	\$1,200.00	\$900.00	\$900.00	\$911.36	\$911.36
6080470	1.000	EACH	18-INCH METAL END SECTION (DOWNDRAIN)	\$650.00	\$650.00	\$1,300.00	\$1,300.00	\$1,000.00	\$1,000.00	\$960.61	\$960.61
6091040	701.000	POUND	STRUCTURAL STEEL GRATES	\$5.50	\$3,855.50	\$2.70	\$1,892.70	\$3.00	\$2,103.00	\$2.93	\$2,053.93
6161200	1,122.000	LINFT	72-INCH CHAIN-LINK FENCE	\$30.00	\$33,660.00	\$17.00	\$19,074.00	\$15.00	\$16,830.00	\$16.69	\$18,726.18
6180250	13,040.000	LINFT	REMOVE AND RESET GUARDRAIL	\$4.00	\$52,160.00	\$9.00	\$117,360.00	\$1.80	\$23,472.00	\$9.81	\$127,922.40
6180350	17.000	EACH	GUARDRAIL TERMINAL (FLARED)	\$2,800.00	\$47,600.00	\$3,300.00	\$56,100.00	\$2,000.00	\$34,000.00	\$3,623.11	\$61,592.87
6190200	594.000	EACH	GUIDE POSTS (RIGID)	\$50.00	\$29,700.00	\$47.00	\$27,918.00	\$25.00	\$14,850.00	\$55.83	\$33,163.02
6190270	12.000	EACH	OBJECT MARKERS, TYPE 2 (MODIFIED)	\$108.00	\$1,296.00	\$130.00	\$1,560.00	\$100.00	\$1,200.00	\$144.52	\$1,734.24
6190280	12.000	EACH	OBJECT MARKERS, TYPE 3	\$150.00	\$1,800.00	\$130.00	\$1,560.00	\$100.00	\$1,200.00	\$144.52	\$1,734.24
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$56,000.00	\$56,000.00	\$56,000.00	\$56,000.00	\$56,000.00	\$56,000.00	\$56,000.00	\$56,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$420,505.00	\$420,505.00	\$180,000.00	\$180,000.00	\$500,000.00	\$500,000.00	\$532,642.08	\$532,642.08
6270190	538.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$82.00	\$44,136.50	\$105.00	\$56,516.25	\$70.00	\$37,677.50	\$111.48	\$60,004.11
6270220	178.000	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$55.00	\$9,790.00	\$42.00	\$7,476.00	\$50.00	\$8,900.00	\$44.48	\$7,917.44
6270240	607.000	SQFT	PERMANENT SIGNS, REMOVE	\$11.00	\$6,677.00	\$5.00	\$3,035.00	\$5.00	\$3,035.00	\$5.57	\$3,380.99
6270250	178.000	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$10.00	\$1,780.00	\$10.00	\$1,780.00	\$5.00	\$890.00	\$11.15	\$1,984.70
6280120	1.000	LS	MOBILIZATION	\$662,249.63	\$662,249.63	\$908,638.60	\$908,638.60	\$1,136,764.96	\$1,136,764.96	\$1,010,236.68	\$1,010,236.68
6320890	10.730	MILE	EPOXY PAVEMENT STRIPING (8-INCH BROKEN WHITE)	\$1,200.00	\$12,876.00	\$1,400.00	\$15,022.00	\$2,200.00	\$23,606.00	\$1,504.98	\$16,148.44
6320940	10.730	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$2,300.00	\$24,679.00	\$3,300.00	\$35,409.00	\$3,400.00	\$36,482.00	\$3,623.11	\$38,875.97
6321030	10.730	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$2,300.00	\$24,679.00	\$3,300.00	\$35,409.00	\$3,400.00	\$36,482.00	\$3,623.11	\$38,875.97
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$31,960.05	\$31,960.05	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$15,132.22	\$15,132.22
6460110	600.000	SQYD	BRIDGE DECK PREPARATION	\$8.00	\$4,800.00	\$9.00	\$5,400.00	\$30.00	\$18,000.00	\$3.89	\$2,334.00
6460150	56.000	GAL	CRACK SEALANT	\$100.00	\$5,600.00	\$55.00	\$3,080.00	\$100.00	\$5,600.00	\$76.19	\$4,266.64
<b>Totals:</b>					<b>\$12,125,415.58</b>		<b>\$12,300,000.00</b>		<b>\$13,222,222.00</b>		<b>\$13,275,000.00</b>

### Price Sensitivity

- May 10, 2019 -

Contract No.: 3769-READV  
 Project No.: NHP-080-4(094)  
 Project Id: 73787  
 County: Elko  
 Range: R30 (\$11,500,000.01 to \$13,500,000.00)  
 Working: 120

RE: John England  
 Designer: Warren Coles

Engineer's Estimate	Q & D Construction	Road and Highway Builders	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$12,125,415.58	\$12,300,000.00	\$13,222,222.00	\$922,222.00	\$174,584.42	101%

Item No.	Quantity	Description	Unit	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Quantity Check Comments
2020990	212,328.800	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	SQYD	\$2.55	\$2.25	\$6.00	-245,925.87	-116%	88%	No	EE OK, Quantity OK
2030140	23,192.900	ROADWAY EXCAVATION	CUYD	\$20.00	\$38.50	\$10.00	32,358.67	140%	193%	Yes	EE Unit Price is a little high, could have been \$15, Quantity OK
2030360	78,226.400	BASE PREPARATION	SQYD	\$3.00	\$0.82	\$0.10	1,280,863.89	1637%	27%	Yes	EE Unit Price is a little high, could have been at \$1.50, Quantity OK
3020140	11,142.100	TYPE 1 CLASS B AGGREGATE BASE	CUYD	\$50.00	\$32.00	\$54.00	-41,919.18	-376%	64%	Yes	EE OK, Quantity OK
4020190	71,483.600	PLANTMIX SURFACING (TYPE 2C) (WET)	TON	\$75.00	\$75.50	\$61.00	63,601.52	89%	101%	No	EE OK, Quantity OK
4020200	17,066.300	PLANTMIX SURFACING (TYPE 3) (WET)	TON	\$80.00	\$101.00	\$125.00	-38,425.92	-225%	126%	No	EE OK, Quantity OK
4030110	9,117.200	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	TON	\$115.00	\$107.00	\$135.00	-32,936.50	-361%	93%	No	EE OK, Quantity OK
4060135	240.000	CUTBACK ASPHALT, TYPE MC-250	TON	\$650.00	\$450.00	\$69.00	2,420.53	1009%	69%	Yes	EE Unit Price is a little high, could have been at \$450, Quantity OK
4100170	132,129.100	RUBBLIZE CONCRETE PAVEMENT	SQYD	\$3.00	\$2.20	\$6.00	-242,690.00	-184%	73%	Yes	EE OK, Quantity OK
4960130	1,728.000	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	SQYD	\$50.00	\$50.50	\$50.00	1,844,444.00	106739%	101%	No	EE OK, Quantity OK
4960160	151,756.000	POLYMER CONCRETE AGGREGATE	POUND	\$0.36	\$0.28	\$0.20	11,527,775.00	7596%	78%	No	EE OK, Quantity OK
4960170	21,248.000	POLYMER CONCRETE RESIN	POUND	\$3.00	\$2.25	\$3.00	-1,229,629.33	-5787%	75%	No	EE OK, Quantity OK
6180250	13,040.000	REMOVE AND RESET GUARDRAIL	LINFT	\$4.00	\$9.00	\$1.80	128,086.39	982%	225%	Yes	EE OK, Quantity OK
6180350	17.000	GUARDRAIL TERMINAL (FLARED)	EACH	\$2,800.00	\$3,300.00	\$2,000.00	709.40	4173%	118%	No	EE OK, Quantity OK
6250490	1.000	RENT TRAFFIC CONTROL DEVICES	LS	\$420,505.00	\$180,000.00	\$500,000.00	N/A	N/A	43%	Yes	EE OK, Quantity OK
6270190	538.250	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	SQFT	\$82.00	\$105.00	\$70.00	26,349.20	4895%	128%	No	EE OK, Quantity OK
6280120	1.000	MOBILIZATION	LS	\$662,249.63	\$908,638.60	\$1,136,764.96	N/A	N/A	137%	No	EE OK, Quantity OK
<b>Additional Comments: Recommend to Award</b>											

## **INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.



## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship  
 Partnership  
 Limited Liability Company  
 Corporation  
 Trust  
 Non-Profit Organization  
 Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

500

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Q&D Construction LLC

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 1050 s 21st	<b>Website:</b> www.qdconstruction.com
<b>City, State and Zip Code:</b> Sparks, NV 89431	<b>Point of Contact Name:</b> Jeff Bean
<b>Telephone and Fax No.</b> 7757862677	<b>Email:</b> jbean@qdconstruction.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b> 7757862677	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

<b>Full Name</b>	<b>Title</b>	<b>% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)</b>
Chris Dianda	Managing member	20
Mike Dianda	Board memeber	20
Jeff Bean	Vice president	11
Lance Semenko	President	22
Kevin Linderman	Vice president	11
Tobin Basta	Vice president	8
Duane Boreham	Vice president	8

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

## DISCLOSURE OF RELATIONSHIP FORM

\*\*\**This section is not required for publicly-traded corporations*\*\*\*

### Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

### Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

### Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No


2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

**List any disclosures below (mark N/A, if not applicable.):**

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/a	N/a	N/a	N/a
N/a	N/a		N/a

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

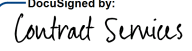
DocuSigned by:  
  
 Signature \_\_\_\_\_ Lance Semenko  
 1F6F6451C8B24F8...  
 President \_\_\_\_\_ Print Name  
 \_\_\_\_\_ 05/13/2019  
 Title \_\_\_\_\_ Date

**For NDOT Use Only:**

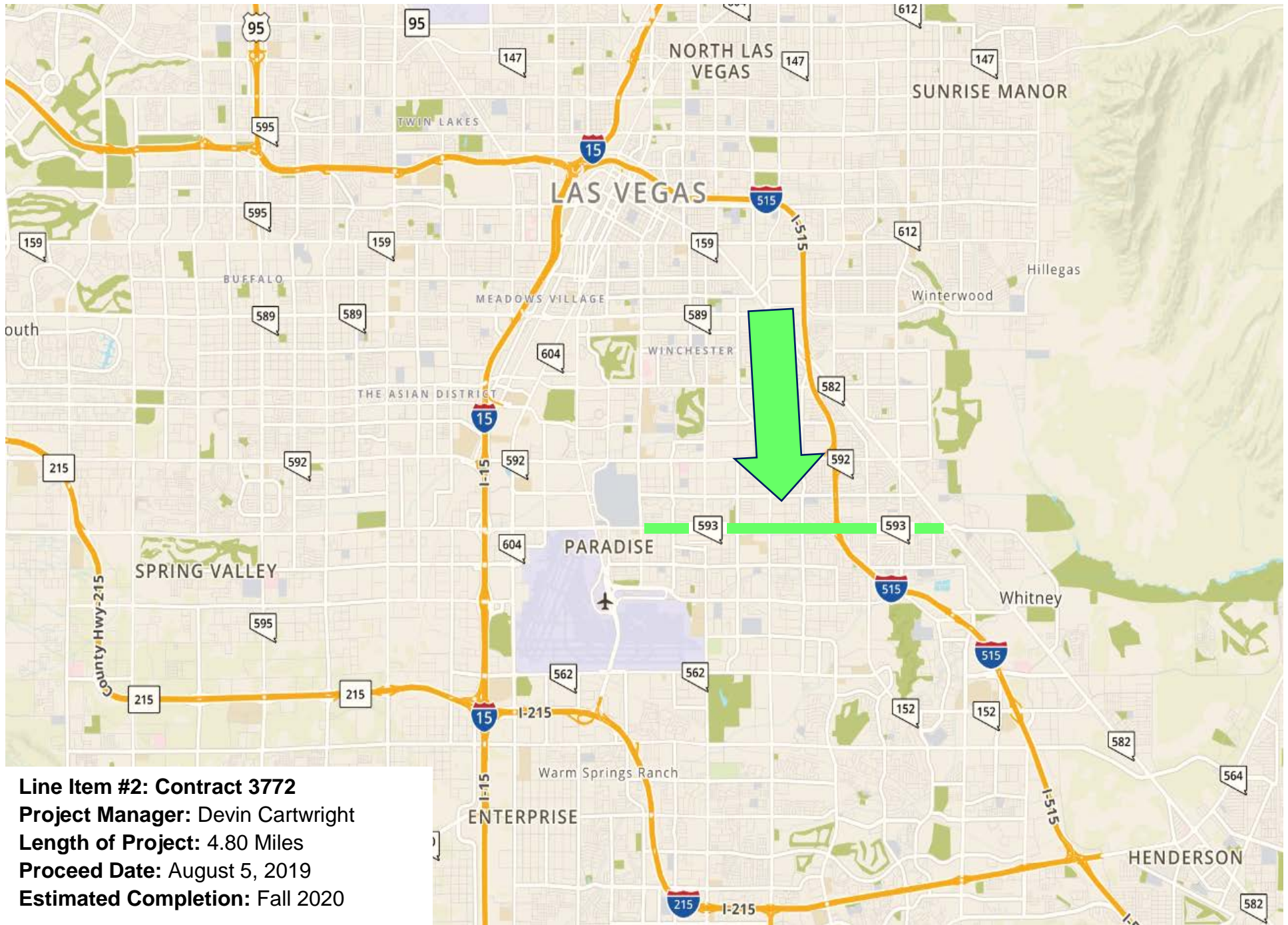
If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments: \_\_\_\_\_

DocuSigned by:  
  
 Signature \_\_\_\_\_  
 13D733618D2342A...  
 Contract Services  
 \_\_\_\_\_  
 Print Name  
 Authorized NDOT Representative

# Line Item 2



**Line Item #2: Contract 3772**  
**Project Manager:** Devin Cartwright  
**Length of Project:** 4.80 Miles  
**Proceed Date:** August 5, 2019  
**Estimated Completion:** Fall 2020




1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7070  
Fax: (775) 888-7101

**MEMORANDUM**  
**Administrative Services**

May 29, 2019

**To:** Kristina L. Swallow, Director  
Cole Mortensen, Assistant Director, Engineering  
Thor Dyson, Assistant Director, Operations

**From:** Tianne Simpson, Contract Services Manager – Administrative Services 

**Subject:** Concurrence in Award for Contract No. 3772, Project No. SPSR-0593(003), on SR-593, Tropicana Avenue, from Maryland Parkway to Boulder Highway, in Clark County, described as cold-milling with plantmix bituminous surface and open graded surface with areas of concentration, and ADA improvements. The Engineer's Estimate is \$10,258,040.76.

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This memo is to confirm concurrence in award of the subject contract.


Bid proposals were opened on May 16, 2019. Las Vegas Paving Corporation is the apparent low bidder at \$10,500,000.00. and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Security Paving Company with a bid of \$10,640,000.00.

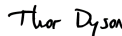
The project is State funded; required 3.70% DBE participation; and Bidder's Preference was applied but did not affect the successful contractor's ranking.


The subcontractor and supplier listings submitted by Las Vegas Paving Corporation have been reviewed and confirmed by Contract Services. The DBE information submitted by Las Vegas Paving Corporation have been reviewed and certified by the External Civil Rights office. Las Vegas Paving Corporation has met the required DBE participation with a 23.61% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair(s) have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt a packet will be prepared to obtain Transportation Board approval of the award at the next available meeting.

Concurrence in award:

DocuSigned by:  
  
SF9A0E81C54047A...  
Cole Mortensen, Assistant Director

DocuSigned by:  
  
DEE1C18490EE4BD...  
Thor Dyson, Assistant Director

DocuSigned by:  
  
C4B012FC2C1E4FB...  
Kristina L. Swallow, Director

Attachments:  
Unofficial Bid Results Report  
DBE Sub Approval  
BRAT Report

**Nevada Department of Transportation**  
**Unofficial Bid Results**  
**May 16, 2019**

<b>Contract Number:</b> 3772	<b>Bid Opening Date and Time:</b> May 16, 2019 2:30 PM
<b>Designer:</b> Aaron Lobato	<b>Liquidated Damages:</b> \$6,500.00
<b>Senior Designer:</b> Devin Cartwright	<b>Working Days:</b> 270
<b>Estimate Range:</b> R29 (\$9,550,000.01 to \$11,500,000)	<b>District:</b> DISTRICT 1
<b>Project Number:</b> SPSR-0593(003)	

**County:** CLARK**Location:** SR-593, Tropicana Avenue, from Maryland Parkway to Boulder Highway**Description:** Cold-Milling with Plantmix Bituminous Surface and Open Graded Surface with Areas of Concentration and ADA Improvements

	Actual Bid	Adjusted Bid
<b>Apparent Low Bidder:</b> <u>Las Vegas Paving Corporation</u>	\$10,500,000.00	\$10,500,000.00
<b>Apparent 2nd:</b> <u>Security Paving Company, Inc.</u>	\$10,640,000.00	\$11,172,000.00
<b>Apparent 3rd:</b> <u>Aggregate Industries SWR, Inc.</u>	\$11,219,975.00	\$11,219,975.00

<b>Bidders:</b>	<b>Certificate of Eligibility</b>	<b>Actual Bid Amount</b>	<b>Adjusted Bid Amount</b>
1 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	<input checked="" type="checkbox"/>	\$10,500,000.00	\$10,500,000.00
2 Security Paving Company, Inc. 13170 Telfair Ave Sylmar, CA 91311 (818) 362-9200	<input type="checkbox"/>	\$10,640,000.00	\$11,172,000.00
3 Aggregate Industries SWR, Inc. 4675 West Teco Ave #140 Las Vegas, NV 89118 (702) 649-6250	<input checked="" type="checkbox"/>	\$11,219,975.00	\$11,219,975.00





1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7497  
Fax: (775) 888-7235

**MEMORANDUM**  
**Contract Compliance**

**May 18, 2019**

**To:** Lynn Hoffman, Administrative Services Officer III  
**From:** Paulita De La Cruz, DBE Specialist   
**Subject:** NDOT Bidder DBE Information – Contract No. 3772, SR-593 Tropicana Avenue,  
from Maryland Pkwy to Boulder Hwy

Apparent low bid: \$10,500,000.00

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The DBE information for The Barajas Group, MC4 Construction LLC, and ProTech Coatings submitted by the apparent low bidder, Las Vegas Paving Corporation, has been received by Contract Compliance and we have concluded:

The Barajas Group, MC4 Construction LLC, and ProTech Coatings all hold active State of Nevada business licenses and are current Nevada certified DBE firms. MC4 Construction LLC and ProTech Coatings both hold current Nevada Contractors Licenses. All firms are clear of State disqualification and Federal exclusion.

The DBE goal of 3.70% has been exceeded with an 23.61% DBE committed participation by the apparent low bidder, Las Vegas Paving Corporation.

All DBE firms are approved for this contract.

cc: Contract Services  
Contract Compliance  
Ray Marshall, Title VI/DBE Manager  
Teri Lewis, Asst. Title VI/DBE Manager  
Teresa Schlaffer, Contract Compliance Manager



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7070  
Fax: (775) 888-7101

**MEMORANDUM**  
**Administrative Services**

May 29, 2019

**To:** Lynn Hoffman, ASO III - Administrative Services  
**From:** Bid Review and Analysis Team  
**Subject:** BRAT Summary Report for Contract # 3772

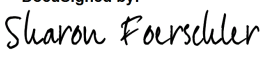
The Bid Review and Analysis Team (BRAT) met on May 28<sup>th</sup>, 2019 to discuss bids for the above referenced contract. The following were in attendance:


- Sharon Foerschler, Chief Construction Engineer
- Scott Hein, Chief Roadway Design Engineer
- Cori Brennan, Management Analyst
- Mark Caffaratti, Professional Engineer
- Casey Connor, Assistant Chief Roadway Design Engineer
- Samuel Lompa, Professional Engineer
- Shawn Paterson, Professional Engineer
- Michael West, Associate Engineer
- Devin Cartwright, Associate Engineer
- Aaron Lobato, Associate Engineer
- Eric Macgill, Associate Engineer

The overall bid proposal was evaluated and determined to be acceptable. The Bid Tabulation and Price Sensitivity is attached.

The apparent low bidder, Las Vegas Paving Corporation, submitted a bid which is 102% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:  
  
67A4C094CB7477  
Sharon Foerschler, BRAT Co-Chair

DocuSigned by:  
  
E7F2D4506AC6488  
Scott Hein, BRAT Co-Chair

cc: Attendees  
Dennis Gallagher, Legal  
Design Admin

# Bid Tabulation

- May 17, 2019 -

**Contract No.:** 3772  
**Description:** Cold-Milling with Plantmix Bituminous Surface and Open Graded Surface with Areas of Concentration and ADA Improvements  
**Location:** SR-593 Tropicana Avenue, from Maryland Parkway to Boulder Highway  
**Bid Opening:** May 16, 2019, 2:30 PM

**Project No.:** SPSR-0593(003)  
**Project Id:** 73879  
**County:** Clark  
**Range:** R29 (\$9,550,000.01 to \$11,500,000.00)  
**Working:** 270

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Security Paving Company, Inc.		Aggregate Industries SWR	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2000100	50.000	HOURL	SURVEY CREW	\$240.00	\$12,000.00	\$140.00	\$7,000.00	\$146.00	\$7,300.00	\$145.00	\$7,250.00
2020175	244.000	LINFT	REMOVAL OF COMPRESSION JOINT SEAL	\$50.00	\$12,200.00	\$60.00	\$14,640.00	\$32.75	\$7,991.00	\$60.25	\$14,701.00
2020671	42.000	EACH	RESET VAULT	\$1,500.00	\$63,000.00	\$1,000.00	\$42,000.00	\$1,050.00	\$44,100.00	\$1,036.00	\$43,512.00
2020744	77.000	LINFT	REMOVAL OF PIPE	\$80.00	\$6,160.00	\$60.00	\$4,620.00	\$65.00	\$5,005.00	\$71.70	\$5,520.90
2020880	12.000	EACH	REMOVAL OF LIGHTING AND/OR SIGNAL POLE FOUNDATION	\$1,500.00	\$18,000.00	\$1,166.00	\$13,992.00	\$1,225.00	\$14,700.00	\$1,204.00	\$14,448.00
2020885	12.000	EACH	REMOVAL OF LIGHT POLE	\$1,200.00	\$14,400.00	\$340.00	\$4,080.00	\$360.00	\$4,320.00	\$351.00	\$4,212.00
2020895	404.000	EACH	REMOVE LIGHTING FIXTURES	\$80.00	\$32,320.00	\$65.00	\$26,260.00	\$68.00	\$27,472.00	\$66.90	\$27,027.60
2020925	109.000	EACH	REMOVAL OF PULL BOX	\$300.00	\$32,700.00	\$81.00	\$8,829.00	\$85.00	\$9,265.00	\$83.60	\$9,112.40
2020935	7,908.900	CUYD	REMOVAL OF COMPOSITE SURFACE	\$40.00	\$316,356.00	\$114.00	\$901,614.60	\$51.50	\$407,308.35	\$180.00	\$1,423,602.00
2020990	102,267.100	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$2.25	\$230,100.98	\$2.00	\$204,534.20	\$3.20	\$327,254.72	\$1.50	\$153,400.65
2020995	239.300	SQYD	REMOVAL OF BITUMINOUS SURFACE (MISCELLANEOUS COLD MILLING)	\$20.00	\$4,786.00	\$10.00	\$2,393.00	\$23.00	\$5,503.90	\$7.75	\$1,854.58
2021040	1.000	EACH	REMOVAL OF DROP INLET	\$1,500.00	\$1,500.00	\$4,400.00	\$4,400.00	\$3,600.00	\$3,600.00	\$2,510.00	\$2,510.00
2060110	134.200	CUYD	STRUCTURE EXCAVATION	\$90.00	\$12,078.00	\$20.00	\$2,684.00	\$44.00	\$5,904.80	\$91.30	\$12,252.46
2070110	66.100	CUYD	GRANULAR BACKFILL	\$120.00	\$7,932.00	\$40.00	\$2,644.00	\$56.00	\$3,701.60	\$165.45	\$10,936.25
2120045	2,770.300	SQYD	PAINTING	\$20.00	\$55,406.00	\$10.00	\$27,703.00	\$6.75	\$18,699.53	\$6.70	\$18,561.01
2130840	5.000	LINFT	8-INCH POLYVINYL CHLORIDE PIPE	\$500.00	\$2,500.00	\$220.00	\$1,100.00	\$450.00	\$2,250.00	\$79.45	\$397.25
3020130	8,195.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$22.00	\$180,290.00	\$27.50	\$225,362.50	\$40.00	\$327,800.00	\$48.50	\$397,457.50
4020100	6,721.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$10.00	\$67,210.00	\$18.50	\$124,338.50	\$7.00	\$47,047.00	\$15.00	\$100,815.00
4020190	7,267.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$95.00	\$690,365.00	\$133.00	\$966,511.00	\$98.50	\$715,799.50	\$90.50	\$657,663.50
4060120	7,475.000	SQYD	PRIME COAT	\$2.00	\$14,950.00	\$1.00	\$7,475.00	\$3.00	\$22,425.00	\$2.15	\$16,071.25
4070190	1.630	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$1,000.00	\$1,630.00	\$3,000.00	\$4,890.00	\$1,800.00	\$2,934.00	\$1,060.00	\$1,727.80
4110100	12,711.000	TON	PLANTMIX SURFACING (WET)	\$100.00	\$1,271,100.00	\$108.00	\$1,372,788.00	\$125.00	\$1,588,875.00	\$101.00	\$1,283,811.00
5020720	15.940	CUYD	CLASS A CONCRETE (MINOR)	\$2,500.00	\$39,850.00	\$2,570.00	\$40,965.80	\$1,900.00	\$30,286.00	\$3,060.00	\$48,776.40
5020731	307.850	CUYD	CLASS A CONCRETE (ISLAND PAVING) (SPECIAL)	\$500.00	\$153,925.00	\$420.00	\$129,297.00	\$400.00	\$123,140.00	\$508.30	\$156,480.16
5021980	244.000	LINFT	PREFORMED JOINT FILLER, (1-INCH)	\$75.00	\$18,300.00	\$140.00	\$34,160.00	\$87.00	\$21,228.00	\$142.00	\$34,648.00
5050100	2,435.000	POUND	REINFORCING STEEL	\$2.50	\$6,087.50	\$3.55	\$8,644.25	\$2.30	\$5,600.50	\$1.95	\$4,748.25
6030170	48.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$8,640.00	\$200.00	\$9,600.00	\$108.00	\$5,184.00	\$136.00	\$6,528.00
6030230	75.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$200.00	\$15,000.00	\$400.00	\$30,000.00	\$115.00	\$8,625.00	\$115.85	\$8,688.75
6090250	71.000	EACH	ADJUSTING MANHOLE COVERS (METHOD A)	\$1,200.00	\$85,200.00	\$1,360.00	\$96,560.00	\$1,235.00	\$87,685.00	\$1,820.00	\$129,220.00
6090260	90.000	EACH	ADJUSTING MANHOLE COVERS (METHOD B)	\$1,500.00	\$135,000.00	\$1,310.00	\$117,900.00	\$1,570.00	\$141,300.00	\$2,316.00	\$208,440.00
6090270	16.000	EACH	ADJUSTING MANHOLE COVERS (METHOD C)	\$1,200.00	\$19,200.00	\$1,340.00	\$21,440.00	\$1,065.00	\$17,040.00	\$1,820.00	\$29,120.00
6090290	1.000	EACH	CONNECT TO EXISTING MANHOLE	\$2,500.00	\$2,500.00	\$3,850.00	\$3,850.00	\$3,900.00	\$3,900.00	\$3,860.00	\$3,860.00
6090590	37.000	EACH	ADJUSTING VALVE COVERS (METHOD A)	\$1,200.00	\$44,400.00	\$850.00	\$31,450.00	\$875.00	\$32,375.00	\$463.30	\$17,142.10
6090600	91.000	EACH	ADJUSTING VALVE COVERS (METHOD B)	\$700.00	\$63,700.00	\$960.00	\$87,360.00	\$940.00	\$85,540.00	\$794.20	\$72,272.20
6090610	14.000	EACH	ADJUSTING VALVE COVERS (METHOD C)	\$800.00	\$11,200.00	\$960.00	\$13,440.00	\$675.00	\$9,450.00	\$606.70	\$8,493.80
6091040	820.000	POUND	STRUCTURAL STEEL GRATES	\$5.00	\$4,100.00	\$4.00	\$3,280.00	\$4.50	\$3,690.00	\$3.85	\$3,157.00
6130110	334.800	SQYD	GRIND CONCRETE SURFACE	\$250.00	\$83,700.00	\$270.00	\$90,396.00	\$67.00	\$22,431.60	\$196.75	\$65,871.90
6130120	7.000	EACH	SIDEWALK UNDERDRAIN	\$2,500.00	\$17,500.00	\$2,450.00	\$17,150.00	\$5,400.00	\$37,800.00	\$2,173.66	\$15,215.62
6130130	203.000	SQYD	DETECTABLE WARNINGS	\$365.00	\$74,095.00	\$348.00	\$70,644.00	\$325.00	\$65,975.00	\$300.00	\$60,900.00
6130160	10,176.000	LINFT	CLASS A CONCRETE CURB (SPECIAL)	\$15.00	\$152,640.00	\$8.25	\$83,952.00	\$21.50	\$218,784.00	\$10.60	\$107,865.60

# Bid Tabulation

- May 17, 2019 -

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Security Paving Company, Inc.		Aggregate Industries SWR	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6130170	43.000	LINFT	CLASS A CONCRETE CURB (TYPE 2)	\$50.00	\$2,150.00	\$30.00	\$1,290.00	\$23.50	\$1,010.50	\$33.60	\$1,444.80
6130690	9,138.000	LINFT	CLASS A CONCRETE CURB AND GUTTER (TYPE 5)	\$20.00	\$182,760.00	\$22.00	\$201,036.00	\$28.50	\$260,433.00	\$35.15	\$321,200.70
6130740	369.000	LINFT	CLASS A CONCRETE CURB AND GUTTER (TYPE 8)	\$50.00	\$18,450.00	\$25.00	\$9,225.00	\$30.00	\$11,070.00	\$33.80	\$12,472.20
6131100	6,612.200	SQYD	CLASS A CONCRETE SIDEWALK (4-INCH)	\$45.00	\$297,549.00	\$38.00	\$251,263.60	\$40.00	\$264,488.00	\$52.65	\$348,132.33
6131220	4,640.800	SQYD	CLASS A CONCRETE DRIVEWAY (6-INCH)	\$55.00	\$255,244.00	\$60.00	\$278,448.00	\$60.50	\$280,768.40	\$60.70	\$281,696.56
6131250	3,349.000	SQYD	CLASS A CONCRETE DRIVEWAY (9-INCH) (REINFORCED)	\$90.00	\$301,410.00	\$95.00	\$318,155.00	\$113.00	\$378,437.00	\$87.75	\$293,874.75
6131420	1,969.200	SQYD	CLASS A CONCRETE RAMP (4-INCH)	\$115.00	\$226,458.00	\$62.00	\$122,090.40	\$54.00	\$106,336.80	\$52.65	\$103,678.38
6210100	13.000	EACH	PERPETUATE SURVEY MONUMENTS	\$1,000.00	\$13,000.00	\$300.00	\$3,900.00	\$280.00	\$3,640.00	\$278.65	\$3,622.45
6230201	7.000	EACH	ITS VAULT	\$5,000.00	\$35,000.00	\$4,880.00	\$34,160.00	\$5,100.00	\$35,700.00	\$4,989.00	\$34,923.00
6230205	5.000	EACH	SPECIAL PULL BOX	\$665.00	\$3,325.00	\$5,425.00	\$27,125.00	\$5,700.00	\$28,500.00	\$5,545.00	\$27,725.00
6230210	7.000	EACH	PULL BOX (A)	\$5,500.00	\$38,500.00	\$885.00	\$6,195.00	\$930.00	\$6,510.00	\$905.00	\$6,335.00
6230215	36.000	EACH	PULL BOX (B)	\$500.00	\$18,000.00	\$750.00	\$27,000.00	\$790.00	\$28,440.00	\$767.00	\$27,612.00
6230220	7.000	EACH	PULL BOX (C)	\$5,500.00	\$38,500.00	\$5,572.00	\$39,004.00	\$5,850.00	\$40,950.00	\$5,695.00	\$39,865.00
6230225	22.000	EACH	NO. 3-1/2 PULL BOX	\$525.00	\$11,550.00	\$561.00	\$12,342.00	\$590.00	\$12,980.00	\$574.00	\$12,628.00
6230230	43.000	EACH	NO. 5 PULL BOX	\$800.00	\$34,400.00	\$650.00	\$27,950.00	\$680.00	\$29,240.00	\$606.00	\$26,058.00
6230232	17.000	EACH	NO. 5 PULL BOX, MODIFIED	\$900.00	\$15,300.00	\$745.00	\$12,665.00	\$785.00	\$13,345.00	\$761.60	\$12,947.20
6230235	29.000	EACH	NO. 7 PULL BOX	\$1,000.00	\$29,000.00	\$960.00	\$27,840.00	\$1,010.00	\$29,290.00	\$982.35	\$28,488.15
6230236	48.000	EACH	NO. 7 PULL BOX, MODIFIED	\$1,400.00	\$67,200.00	\$1,200.00	\$57,600.00	\$1,250.00	\$60,000.00	\$1,214.00	\$58,272.00
6230250	3.000	EACH	JUNCTION BOX (A)	\$250.00	\$750.00	\$4,500.00	\$13,500.00	\$4,730.00	\$14,190.00	\$4,597.00	\$13,791.00
6230267	92.000	EACH	LUMINAIRE, TYPE A	\$750.00	\$69,000.00	\$550.00	\$50,600.00	\$585.00	\$53,820.00	\$568.00	\$52,256.00
6230268	362.000	EACH	LUMINAIRE, TYPE B	\$650.00	\$235,300.00	\$470.00	\$170,140.00	\$494.00	\$178,828.00	\$480.00	\$173,760.00
6230425	8.000	EACH	ILLUMINATED SIGN PANEL REPLACEMENT	\$1,200.00	\$9,600.00	\$800.00	\$6,400.00	\$845.00	\$6,760.00	\$822.00	\$6,576.00
6230545	1.000	EACH	STEEL POLE, TYPE 1A	\$2,100.00	\$2,100.00	\$2,950.00	\$2,950.00	\$3,100.00	\$3,100.00	\$3,002.00	\$3,002.00
6230570	12.000	EACH	STEEL POLE, TYPE 7	\$4,000.00	\$48,000.00	\$1,800.00	\$21,600.00	\$1,900.00	\$22,800.00	\$1,843.00	\$22,116.00
6230625	2.000	EACH	STEEL POLE, TYPE 30	\$12,500.00	\$25,000.00	\$20,850.00	\$41,700.00	\$22,000.00	\$44,000.00	\$21,302.00	\$42,604.00
6230715	166.000	EACH	MODIFY TRAFFIC SIGNAL HEAD	\$275.00	\$45,650.00	\$370.00	\$61,420.00	\$390.00	\$64,740.00	\$380.00	\$63,080.00
6230740	1.000	EACH	PEDESTRIAN SIGNAL HEAD 2W	\$1,200.00	\$1,200.00	\$1,600.00	\$1,600.00	\$1,700.00	\$1,700.00	\$1,622.00	\$1,622.00
6230770	88.000	EACH	PEDESTRIAN PUSH BUTTON WITH SIGN	\$800.00	\$70,400.00	\$1,625.00	\$143,000.00	\$1,700.00	\$149,600.00	\$1,661.00	\$146,168.00
6230775	18.000	EACH	LOOP DETECTOR	\$600.00	\$10,800.00	\$790.00	\$14,220.00	\$830.00	\$14,940.00	\$805.00	\$14,490.00
6230825	10.000	EACH	LOOP DETECTOR AMPLIFIER CHANNELS (NEW CABINET)	\$300.00	\$3,000.00	\$540.00	\$5,400.00	\$570.00	\$5,700.00	\$552.00	\$5,520.00
6230830	24.000	EACH	LOOP DETECTOR AMPLIFIER CHANNELS (EXISTING CABINET)	\$300.00	\$7,200.00	\$540.00	\$12,960.00	\$570.00	\$13,680.00	\$552.00	\$13,248.00
6231025	5.000	EACH	TYPE R CONTROLLER CABINET	\$20,000.00	\$100,000.00	\$35,600.00	\$178,000.00	\$37,400.00	\$187,000.00	\$36,350.00	\$181,750.00
6231056	12.000	EACH	MODIFY SIGNAL CABINET	\$10,000.00	\$120,000.00	\$2,910.00	\$34,920.00	\$3,050.00	\$36,600.00	\$2,975.00	\$35,700.00
6231261	12.000	EACH	FIELD HARDENED ETHERNET SWITCH	\$6,500.00	\$78,000.00	\$9,560.00	\$114,720.00	\$10,050.00	\$120,600.00	\$9,768.00	\$117,216.00
6231320	4.000	EACH	REMOVAL OF TRAFFIC SIGNAL CONTROLLER CABINET	\$1,000.00	\$4,000.00	\$1,430.00	\$5,720.00	\$1,500.00	\$6,000.00	\$1,462.00	\$5,848.00
6231325	53.000	EACH	REMOVAL OF EXISTING TRAFFIC SIGNAL HEAD	\$300.00	\$15,900.00	\$360.00	\$19,080.00	\$380.00	\$20,140.00	\$370.00	\$19,610.00
6231360	6.000	EACH	REMOVAL OF VIDEO IMAGE DETECTION CAMERA	\$350.00	\$2,100.00	\$775.00	\$4,650.00	\$810.00	\$4,860.00	\$789.00	\$4,734.00
6231375	1.000	EACH	REMOVAL OF POLE	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	\$1,032.00	\$1,032.00
6231395	82.000	EACH	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	\$150.00	\$12,300.00	\$300.00	\$24,600.00	\$318.00	\$26,076.00	\$309.00	\$25,338.00
6231485	34.000	EACH	REMOVE AND RESET SIGNAL HEAD	\$450.00	\$15,300.00	\$570.00	\$19,380.00	\$595.00	\$20,230.00	\$580.00	\$19,720.00
6231620	1.000	EACH	UNDERGROUND ELECTRICAL SERVICE	\$5,000.00	\$5,000.00	\$5,800.00	\$5,800.00	\$6,100.00	\$6,100.00	\$5,910.00	\$5,910.00
6231774	1.000	FA	REPAIR CONDUIT	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00
6231790	24,088.900	LINFT	1 1/4-INCH CONDUIT	\$2.50	\$60,222.25	\$3.25	\$78,288.93	\$3.40	\$81,902.26	\$9.60	\$231,253.44
6231805	68.200	LINFT	2-INCH CONDUIT	\$20.00	\$1,364.00	\$57.00	\$3,887.40	\$60.00	\$4,092.00	\$53.50	\$3,648.70
6231820	9,851.600	LINFT	3-INCH CONDUIT	\$25.00	\$246,290.00	\$28.00	\$275,844.80	\$29.50	\$290,622.20	\$28.70	\$282,740.92

## Bid Tabulation

- May 17, 2019 -

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Security Paving Company, Inc.		Aggregate Industries SWR	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6231825	231.000	LINFT	3-INCH CONDUIT(METAL)	\$25.00	\$5,775.00	\$44.00	\$10,164.00	\$45.00	\$10,395.00	\$44.15	\$10,198.65
6231830	16.000	LINFT	4-INCH CONDUIT	\$30.00	\$480.00	\$75.00	\$1,200.00	\$79.50	\$1,272.00	\$70.70	\$1,131.20
6231975	1,289.200	LINFT	NO. 6 CONDUCTOR	\$1.30	\$1,675.96	\$2.00	\$2,578.40	\$1.60	\$2,062.72	\$1.55	\$1,998.26
6231980	640.200	LINFT	NO. 8 CONDUCTOR	\$1.20	\$768.24	\$2.00	\$1,280.40	\$1.35	\$864.27	\$1.32	\$845.06
6231995	12,104.400	LINFT	NO. 14 CONDUCTOR	\$0.60	\$7,262.64	\$1.10	\$13,314.84	\$1.15	\$13,920.06	\$1.01	\$12,225.44
6232125	33,003.300	LINFT	6 PAIR CONDUCTOR NO. 22 CABLE	\$1.57	\$51,815.18	\$2.50	\$82,508.25	\$2.50	\$82,508.25	\$2.48	\$81,848.18
6232175	30,493.100	LINFT	FIBER OPTIC CABLE	\$4.50	\$137,218.95	\$5.30	\$161,613.43	\$5.50	\$167,712.05	\$5.40	\$164,662.74
6232179	1,255.100	LINFT	FIBER OPTIC BRANCH CABLE	\$5.00	\$6,275.50	\$15.00	\$18,826.50	\$16.00	\$20,081.60	\$15.45	\$19,391.30
6232210	7.000	EACH	ILLUMINATED STREET NAME SIGN, DOUBLE FACE (8-FOOT)	\$3,300.00	\$23,100.00	\$3,500.00	\$24,500.00	\$3,600.00	\$25,200.00	\$3,538.00	\$24,766.00
6232225	2.000	EACH	STEEL POST, 30-FOOT	\$4,600.00	\$9,200.00	\$11,700.00	\$23,400.00	\$13,000.00	\$26,000.00	\$11,938.00	\$23,876.00
6232290	37.000	EACH	LUMINAIRE ARM, 15-FOOT	\$1,300.00	\$48,100.00	\$1,560.00	\$57,720.00	\$1,650.00	\$61,050.00	\$1,595.00	\$59,015.00
6232475	2.000	EACH	SIGNAL HEAD 2W3C, BRACKET	\$1,800.00	\$3,600.00	\$2,600.00	\$5,200.00	\$2,700.00	\$5,400.00	\$2,649.00	\$5,298.00
6232495	17.000	EACH	SIGNAL HEAD 2W3C/4C, BRACKET	\$2,200.00	\$37,400.00	\$2,900.00	\$49,300.00	\$3,065.00	\$52,105.00	\$2,980.00	\$50,660.00
6232530	34.000	EACH	SIGNAL HEAD 1W3C, MAST ARM	\$1,000.00	\$34,000.00	\$1,215.00	\$41,310.00	\$1,275.00	\$43,350.00	\$1,241.75	\$42,219.50
6232540	24.000	EACH	SIGNAL HEAD 1W4C, MAST ARM	\$1,200.00	\$28,800.00	\$1,620.00	\$38,880.00	\$1,700.00	\$40,800.00	\$1,655.00	\$39,720.00
6232554	7.000	EACH	SIGNAL HEAD 1W4C, POST TOP	\$1,200.00	\$8,400.00	\$1,945.00	\$13,615.00	\$2,050.00	\$14,350.00	\$1,986.00	\$13,902.00
6232630	82.000	EACH	LOOP DETECTOR (6-FOOT X 6-FOOT)	\$600.00	\$49,200.00	\$660.00	\$54,120.00	\$695.00	\$56,990.00	\$673.00	\$55,186.00
6232645	11,441.100	LINFT	LEAD-IN CABLE FOR LOOP DETECTORS	\$1.40	\$16,017.54	\$2.50	\$28,602.75	\$2.70	\$30,890.97	\$2.60	\$29,746.86
6232675	172.500	SQFT	REMOVE TRAFFIC SIGNAL SIGNS	\$9.00	\$1,552.50	\$38.00	\$6,555.00	\$40.00	\$6,900.00	\$38.60	\$6,658.50
6232680	232.000	SQFT	TRAFFIC SIGNAL SIGNS	\$40.00	\$9,280.00	\$87.00	\$20,184.00	\$91.00	\$21,112.00	\$88.30	\$20,485.60
6232915	14.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	\$1,750.00	\$24,500.00	\$6,375.00	\$89,250.00	\$6,700.00	\$93,800.00	\$6,512.00	\$91,168.00
6233040	4.000	EACH	RECTANGULAR RAPID FLASHING BEACON	\$1,300.00	\$5,200.00	\$1,945.00	\$7,780.00	\$2,050.00	\$8,200.00	\$1,987.00	\$7,948.00
6233045	4.000	EACH	RECTANGULAR RAPID FLASHING BEACON CONTROLLER (TYPE 1)	\$2,500.00	\$10,000.00	\$5,500.00	\$22,000.00	\$5,800.00	\$23,200.00	\$5,629.00	\$22,516.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$287,000.00	\$287,000.00	\$287,000.00	\$287,000.00	\$287,000.00	\$287,000.00	\$287,000.00	\$287,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$1,265,000.00	\$1,265,000.00	\$400,000.00	\$400,000.00	\$424,000.00	\$424,000.00	\$530,000.00	\$530,000.00
6270190	1,065.550	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$80.00	\$85,244.00	\$52.00	\$55,408.60	\$61.00	\$64,998.55	\$59.60	\$63,506.78
6270220	922.800	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$40.00	\$36,912.00	\$30.00	\$27,684.00	\$34.50	\$31,836.60	\$33.85	\$31,236.78
6270240	310.330	SQFT	PERMANENT SIGNS, REMOVE	\$11.00	\$3,413.63	\$6.00	\$1,861.98	\$12.00	\$3,723.96	\$11.70	\$3,630.86
6270250	615.160	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$6.00	\$3,690.96	\$6.00	\$3,690.96	\$9.00	\$5,536.44	\$8.85	\$5,444.17
6280120	1.000	LS	MOBILIZATION	\$552,057.50	\$552,057.50	\$568,763.60	\$568,763.60	\$709,499.93	\$709,499.93	\$455,230.85	\$455,230.85
6321190	475.320	LINFT	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$3.00	\$1,425.96	\$3.00	\$1,425.96	\$2.25	\$1,069.47	\$2.20	\$1,045.70
6321262	2,216.300	SQFT	POLYUREA PAVEMENT STRIPING (VARIES)	\$6.00	\$13,297.80	\$4.00	\$8,865.20	\$5.10	\$11,303.13	\$4.97	\$11,015.01
6321270	0.092	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$15,000.00	\$1,380.00	\$12,500.00	\$1,150.00	\$12,000.00	\$1,104.00	\$11,700.00	\$1,076.40
6330100	11,838.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$2.50	\$29,595.00	\$2.50	\$29,595.00	\$2.75	\$32,554.50	\$2.70	\$31,962.60
6330110	5,223.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$2.75	\$14,363.25	\$2.50	\$13,057.50	\$3.15	\$16,452.45	\$3.10	\$16,191.30
6330130	376.000	EACH	REFLECTIVE PAVEMENT MARKERS (RECESSED)	\$50.00	\$18,800.00	\$54.00	\$20,304.00	\$50.50	\$18,988.00	\$49.65	\$18,668.40
6341030	6,005.600	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$6.50	\$39,036.40	\$7.50	\$45,042.00	\$6.75	\$40,537.80	\$6.62	\$39,757.07
6341060	4,005.420	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$10.00	\$40,054.20	\$7.50	\$30,040.65	\$6.75	\$27,036.59	\$6.62	\$26,515.88
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$51,144.82	\$51,144.82	\$40,000.00	\$40,000.00	\$119,000.00	\$119,000.00	\$25,000.00	\$25,000.00
6460110	3,020.000	SQYD	BRIDGE DECK PREPARATION	\$4.50	\$13,590.00	\$12.50	\$37,750.00	\$6.75	\$20,385.00	\$12.85	\$38,807.00
6460150	272.000	GAL	CRACK SEALANT	\$85.00	\$23,120.00	\$95.00	\$25,840.00	\$100.00	\$27,200.00	\$97.20	\$26,438.40
<b>Totals:</b>					<b>\$10,258,040.76</b>		<b>\$10,500,000.00</b>		<b>\$10,640,000.00</b>		<b>\$11,219,975.00</b>
<b>Adjusted Totals:</b>									<b>\$11,172,000.00</b>		

### Price Sensitivity - May 17, 2019 -

Contract No.: 3772  
 Project No.: SPSR-0593(003)  
 Project Id: 73879  
 County: Clark  
 Range: R29 (\$9,550,000.01 to \$11,500,000.00)  
 Working: 270

RE: Samih Alhwayek  
 Designer: Aaron Lobato

Engineer's Estimate	Las Vegas Paving Corporation	Security Paving Company, Inc.	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$10,258,040.76	\$10,500,000.00	\$10,640,000.00	\$140,000.00	\$241,959.24	102%

Item No.	Quantity	Description	Unit	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Quantity Check Comments
2020671	42.000	RESET VAULT	EACH	\$1,500.00	\$1,000.00	\$1,050.00	-2,800.00	-6667%	67%	Yes	QTY : EE may be high, not much price history
2020935	7,908.900	REMOVAL OF COMPOSITE SURFACE	CUYD	\$40.00	\$114.00	\$51.50	2,240.00	28%	285%	Yes	Short 340 CUYD on island removal
2020990	102,267.100	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	SQYD	\$2.25	\$2.00	\$3.20	-116,666.67	-114%	89%	No	QTY : EE ok
2120045	2,770.300	PAINTING	SQYD	\$20.00	\$10.00	\$6.75	43,076.92	1555%	50%	Yes	QTY : EE ok; price could have been \$25.00
3020130	8,195.000	TYPE 1 CLASS B AGGREGATE BASE	TON	\$22.00	\$27.50	\$40.00	-11,200.00	-137%	125%	No	QTY : EE ok
4020100	6,721.000	PLANTMIXING MISCELLANEOUS AREAS	SQYD	\$10.00	\$18.50	\$7.00	12,173.91	181%	185%	Yes	QTY : EE ok; price could have been \$12-\$15
4020190	7,267.000	PLANTMIX SURFACING (TYPE 2C) (WET)	TON	\$95.00	\$133.00	\$98.50	4,057.97	56%	140%	No	QTY : EE ok
4110100	12,711.000	PLANTMIX SURFACING (WET)	TON	\$100.00	\$108.00	\$125.00	-8,235.29	-65%	108%	No	QTY : EE ok
5020731	307.850	CLASS A CONCRETE (ISLAND PAVING) (SPECIAL)	CUYD	\$500.00	\$420.00	\$400.00	7,000.00	2274%	84%	No	QTY : EE ok
6090250	71.000	ADJUSTING MANHOLE COVERS (METHOD A)	EACH	\$1,200.00	\$1,360.00	\$1,235.00	1,120.00	1577%	113%	No	QTY : EE ok
6090260	90.000	ADJUSTING MANHOLE COVERS (METHOD B)	EACH	\$1,500.00	\$1,310.00	\$1,570.00	-538.46	-598%	87%	No	QTY : EE ok
6090600	91.000	ADJUSTING VALVE COVERS (METHOD B)	EACH	\$700.00	\$960.00	\$940.00	7,000.00	7692%	137%	No	QTY : EE ok
6130110	334.800	GRIND CONCRETE SURFACE	SQYD	\$250.00	\$270.00	\$67.00	689.66	206%	108%	No	QTY : EE ok; not much price history on item
6130130	203.000	DETECTABLE WARNINGS	SQYD	\$365.00	\$348.00	\$325.00	6,086.96	2999%	95%	No	QTY : EE ok
6130160	10,176.000	CLASS A CONCRETE CURB (SPECIAL)	LINFT	\$15.00	\$8.25	\$21.50	-10,566.04	-104%	55%	Yes	QTY : EE ok; price range could have been \$10-\$12
6130690	9,138.000	CLASS A CONCRETE CURB AND GUTTER (TYPE 5)	LINFT	\$20.00	\$22.00	\$28.50	-21,538.46	-236%	110%	No	QTY : EE ok
6131100	6,612.200	CLASS A CONCRETE SIDEWALK (4-INCH)	SQYD	\$45.00	\$38.00	\$40.00	-70,000.00	-1059%	84%	No	QTY : EE ok
6131220	4,640.800	CLASS A CONCRETE DRIVEWAY (6-INCH)	SQYD	\$55.00	\$60.00	\$60.50	-280,000.00	-6033%	109%	No	QTY : EE ok
6131250	3,349.000	CLASS A CONCRETE DRIVEWAY (9-INCH) (REINFORCED)	SQYD	\$90.00	\$95.00	\$113.00	-7,777.78	-232%	106%	No	QTY : EE ok; price could have been \$100
6131420	1,969.200	CLASS A CONCRETE RAMP (4-INCH)	SQYD	\$115.00	\$62.00	\$54.00	17,500.00	889%	54%	Yes	QTY : EE ok
6230236	48.000	NO. 7 PULL BOX, MODIFIED	EACH	\$1,400.00	\$1,200.00	\$1,250.00	-2,800.00	-5833%	86%	No	QTY : EE ok
6230267	92.000	LUMINAIRE, TYPE A	EACH	\$750.00	\$550.00	\$585.00	-4,000.00	-4348%	73%	Yes	QTY : EE ok
6230268	362.000	LUMINAIRE, TYPE B	EACH	\$650.00	\$470.00	\$494.00	-5,833.33	-1611%	72%	Yes	QTY : EE ok
6230715	166.000	MODIFY TRAFFIC SIGNAL HEAD	EACH	\$275.00	\$370.00	\$390.00	-7,000.00	-4217%	135%	No	QTY : EE ok
6230770	88.000	PEDESTRIAN PUSH BUTTON WITH SIGN	EACH	\$800.00	\$1,625.00	\$1,700.00	-1,866.67	-2121%	203%	Yes	QTY should be 86: EE ok based on quantity
6231025	5.000	TYPE R CONTROLLER CABINET	EACH	\$20,000.00	\$35,600.00	\$37,400.00	-77.78	-1556%	178%	Yes	QTY : EE was ok, new tariffs?
6231056	12.000	MODIFY SIGNAL CABINET	EACH	\$10,000.00	\$2,910.00	\$3,050.00	-1,000.00	-8333%	29%	Yes	QTY should be 11: EE ok (modifications for loop detection, radar detection, audible vibrat tactile ped push buttons and associated coordination until release of maintenance)
6231261	12.000	FIELD HARDENED ETHERNET SWITCH	EACH	\$6,500.00	\$9,560.00	\$10,050.00	-285.71	-2381%	147%	No	QTY should be 11: EE was ok, new tariffs?
6231790	24,088.900	1 1/4-INCH CONDUIT	LINFT	\$2.50	\$3.25	\$3.40	-933,333.33	-3875%	130%	No	QTY : EE ok (common trench)
6231820	9,851.600	3-INCH CONDUIT	LINFT	\$25.00	\$28.00	\$29.50	-93,333.33	-947%	112%	No	QTY : EE ok (includes trench & fill)
6232125	33,003.300	6 PAIR CONDUCTOR NO. 22 CABLE	LINFT	\$1.57	\$2.50	\$2.50	N/A	N/A	159%	Yes	QTY : EE ok based on quantity
6232175	30,493.100	FIBER OPTIC CABLE	LINFT	\$4.50	\$5.30	\$5.50	-700,000.00	-2296%	118%	No	QTY : EE ok
6232290	37.000	LUMINAIRE ARM, 15-FOOT	EACH	\$1,300.00	\$1,560.00	\$1,650.00	-1,555.56	-4204%	120%	No	QTY : EE ok based on quantity
6232630	82.000	LOOP DETECTOR (6-FOOT X 6-FOOT)	EACH	\$600.00	\$660.00	\$695.00	-4,000.00	-4878%	110%	No	QTY : EE ok based on quantity
6232915	14.000	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	EACH	\$1,750.00	\$6,375.00	\$6,700.00	-430.77	-3077%	364%	Yes	QTY should be 12: EE low (\$2,300): no immediate knowledge of why >\$6K
6250490	1.000	RENT TRAFFIC CONTROL DEVICES	LS	\$1,265,000.00	\$400,000.00	\$424,000.00	N/A	N/A	32%	Yes	QTY : EE ok
6270190	1,065.550	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	SQFT	\$80.00	\$52.00	\$61.00	-15,555.56	-1460%	65%	Yes	QTY : EE ok
6280120	1.000	MOBILIZATION	LS	\$552,057.50	\$568,763.60	\$709,499.93	N/A	N/A	103%	No	QTY : EE ok
6370110	1.000	TEMPORARY POLLUTION CONTROL	LS	\$51,144.82	\$40,000.00	\$119,000.00	N/A	N/A	78%	No	QTY : EE ok

**Additional Comments:** Missing removal of RPM and removal of pavement markings

## **INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Las Vegas PAVing Corp.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 4420 S. Decatur Blvd	<b>Website:</b> lasvegaspaving.com
<b>City, State and Zip Code:</b> Las Vegas, NV	<b>Point of Contact Name:</b> Ryan Mendenhall
<b>Telephone and Fax No.</b> 7022515800	<b>Email:</b> ryan.mendenhall@lvpaving.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b> 7022515800	<b>Email:</b>



**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

<b>Full Name</b>	<b>Title</b>	<b>% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)</b>
Mendenhall Family Trust	Trust	100
Paula Mendenhall	Trustee	100

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

## DISCLOSURE OF RELATIONSHIP FORM

\*\*\**This section is not required for publicly-traded corporations*\*\*\*

### Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

### Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

### Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

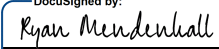
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

**List any disclosures below (mark N/A, if not applicable.):**

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A	N/A	N/A	N/A

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

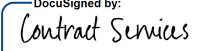
DocuSigned by:  
  
 Ryan Mendenhall  
 Signature Print Name  
 Director 05/21/2019  
 Title Date

**For NDOT Use Only:**

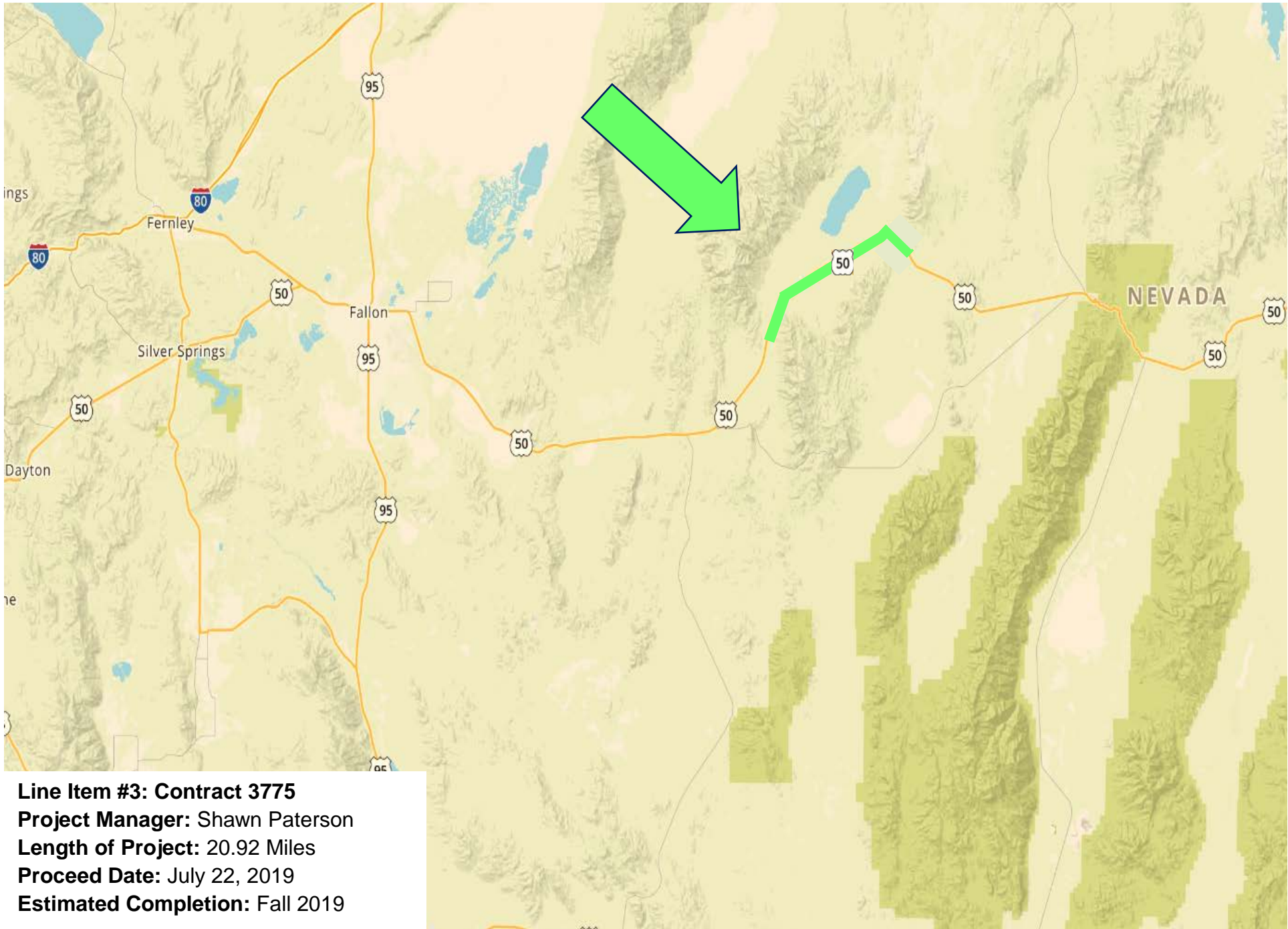
If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

DocuSigned by:  
  
 Contract Services  
 Signature  
 Contract Services  
 Print Name  
 Authorized NDOT Representative

# Line Item 3



**Line Item #3: Contract 3775**  
**Project Manager:** Shawn Paterson  
**Length of Project:** 20.92 Miles  
**Proceed Date:** July 22, 2019  
**Estimated Completion:** Fall 2019



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7070  
Fax: (775) 888-7101

**MEMORANDUM**  
**Administrative Services**

May 28, 2019

**To:** Kristina L Swallow, Director  
Cole Mortensen, Assistant Director, Engineering  
Thor Dyson, Assistant Director, Operations

**From:** Tianne Simpson, Contract Services Manager – Administrative Services

DS  
TS

**Subject:** Concurrence in Award for Contract No. 3775, Project No. NHP-050-3(013), on US 50, from 4.2 miles east of Cold Springs to the Churchill and Lander County line, in Churchill County, described as cold-milling, stress relief course, and plantmix bituminous overlay with open grade. The Engineer's Estimate is \$12,343,113.31.

This memo is to confirm concurrence in award of the subject contract.

Bid proposals were opened on May 23, 2019. Road and Highway Builders LLC is the apparent low bidder at \$12,191,191.00 and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Granite Construction Company with a bid of \$12,970,970.00.

The project is Federally funded; required 1.50% DBE participation; and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by Road and Highway Builders LLC have been reviewed and confirmed by Contract Services. The DBE information submitted by Road and Highway Builders LLC has been reviewed and certified by the External Civil Rights office. Road and Highway Builders LLC has met the required DBE participation with a 1.64% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair(s) have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt a packet will be prepared to obtain Transportation Board approval of the award at the next available meeting.

Concurrence in award:

DocuSigned by:  
*Cole Mortensen*  
6F9A0E81654047A  
\_\_\_\_\_  
Cole Mortensen, Assistant Director

DocuSigned by:  
*Thor Dyson*  
DEE1C18490EE4BD  
\_\_\_\_\_  
Thor Dyson, Assistant Director

DocuSigned by:  
*Kristina L. Swallow*  
C4B612FC2C1E4FB...  
\_\_\_\_\_  
Kristina L. Swallow, Director

Enclosures:  
Unofficial Bid Results Report  
DBE Sub Approval  
BRAT Report



**Nevada Department of Transportation**  
**Unofficial Bid Results**  
 May 23, 2019

<b>Contract Number:</b> 3775	<b>Bid Opening Date and Time:</b> 5/23/2019 2:00 PM
<b>Designer:</b> KIMBERLY GOODWIN	<b>Liquidated Damages:</b> \$6,400.00
<b>Senior Designer:</b> BRIAN DEAL	<b>Working Days:</b> 100
<b>Estimate Range:</b> R30 \$11,500,000.01 to \$13,500,000	<b>District:</b> DISTRICT 2
<b>Project Number:</b> NHP-050-3(013)	

**County:** CHURCHILL  
**Location:** US 50, from 4.2 miles east of Cold Springs to Churchill / Lander County line.  
**Description:** Cold milling, stress relief course, and plantmix bituminous overlay with open grade

	Actual Bid
<b>Apparent Low Bidder:</b> Road and Highway Builders LLC	<u>\$12,191,191.00</u>
<b>Apparent 2nd:</b> Granite Construction Company	<u>\$12,970,970.00</u>

<b>Bidders:</b>	<b>Actual Bid Amount</b>
1 Road and Highway Builders LLC 175 Salomon Circle Ste #103 Sparks, NV 89434 (775) 852-7283	\$12,191,191.00
2 Granite Construction Company 585 West Beach Street Watsonville, CA 95076 (831) 724-1011	\$12,970,970.00



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7497  
Fax: (775) 888-7235

**MEMORANDUM**  
**Contract Compliance**

**May 28, 2019**

**To:** Lynn Hoffman, Administrative Services Officer III  
**From:** Paulita De La Cruz, DBE Specialist   
**Subject:** NDOT Bidder DBE Information – Contract No. 3775, US 50 from 4.2 miles of Cold Springs to Churchill / Lander County Line

Apparent low bid: \$ 12,191,191.00

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The DBE information for Dixon Trucking Inc. submitted by the apparent low bidder, Road and Highway Builders LLC has been received by Contract Compliance and we have concluded:

Dixon Trucking Inc. holds an active State of Nevada business license and is a Nevada certified DBE firm. Dixon Trucking Inc. is also clear of State disqualification and Federal exclusion.

The DBE goal of 1.50% has been exceeded with a 1.64% DBE committed participation by the apparent low bidder, Road and Highway Builders LLC.

The DBE firm is approved for this contract.

cc: Contract Services  
Contract Compliance  
Ray Marshall, Title VI/DBE Manager  
Teri Lewis, Asst. Title VI/DBE Manager  
Teresa Schlaffer, Contract Compliance Manager





1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7070  
Fax: (775) 888-7101

**MEMORANDUM**  
**Administrative Services**

May 28, 2019

**To: Lynn Hoffman, ASO III - Administrative Services**  
**From: Bid Review and Analysis Team**  
**Subject: BRAT Summary Report for Contract # 3775**

The Bid Review and Analysis Team (BRAT) met on May 28<sup>th</sup>, 2019 to discuss bids for the above referenced contract. The following were in attendance:

- Sharon Foerschler, Chief Construction Engineer
- Scott Hein, Chief Roadway Design Engineer
- Cori Brennan, Management Analyst
- Mark Caffaratti, Professional Engineer
- Casey Connor, Assistant Chief Roadway Design Engineer
- Samuel Lompa, Professional Engineer
- Shawn Paterson, Professional Engineer
- Michael West, Associate Engineer
- Brian Deal, Associate Engineer
- Kimberly Goodwin, Associate Engineer
- Dale Wegner, FHWA

Via Phone:  
Richard Bosch, Professional Engineer

The overall bid proposal was evaluated and determined to be acceptable. The Bid Tabulation and Price Sensitivity is attached.

The apparent low bidder, Road and Highway Builders LLC, submitted a bid which is 99% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:  
*Sharon Foerschler*  
67A4C09A4CB7477...  
Sharon Foerschler, BRAT Co-Chair

DocuSigned by:  
*Scott Hein*  
E7F2D4506AC6488...  
Scott Hein, BRAT Co-Chair

cc: Attendees  
Dennis Gallagher, Legal  
Design Admin

**Bid Tabulation**

May 23, 2019

**Contract No.:** 3775  
**Description:** Cold milling, stress relief course, and plantmix bituminous overlay with open grade  
**Location:** US 50, from 4.2 miles east of Cold Springs to Churchill / Lander County line.  
**Bid Opening:** May 23, 2019, 2:00 PM

**Project No.:** NHP-050-3(013)  
**Project Id:** 60893  
**County:** Churchill  
**Range:** R30 \$11,500,000.01 to \$13,500,000  
**Working:** 100

Item No.	Quantity	Unit	Description	Engineer's Estimate		Road and Highway Builders LLC		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2020285	8.000	LINFT	REMOVAL OF CULVERT PIPE	\$50.00	\$400.00	\$300.00	\$2,400.00	\$120.00	\$960.00
2020450	15.000	EACH	REMOVE END SECTION	\$500.00	\$7,500.00	\$500.00	\$7,500.00	\$305.00	\$4,575.00
2020455	5.000	EACH	RESET END SECTION	\$750.00	\$3,750.00	\$500.00	\$2,500.00	\$640.00	\$3,200.00
2020465	2.000	EACH	REMOVE GUARDRAIL END TREATMENT	\$1,000.00	\$2,000.00	\$1,500.00	\$3,000.00	\$725.00	\$1,450.00
2020475	63.000	LINFT	REMOVAL OF GUARDRAIL	\$25.00	\$1,575.00	\$50.00	\$3,150.00	\$5.00	\$315.00
2020530	1.000	EACH	REMOVAL OF HEADWALL	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$2,300.00	\$2,300.00
2020955	7,801.000	LINFT	REMOVAL OF BITUMINOUS SHOULDER DIKE	\$3.00	\$23,403.00	\$0.50	\$3,900.50	\$0.35	\$2,730.35
2020990	399,081.700	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$2.00	\$798,163.40	\$3.00	\$1,197,245.10	\$0.85	\$339,219.45
2021011	10.000	CUYD	RESHAPE ROADWAY SLOPE	\$150.00	\$1,500.00	\$300.00	\$3,000.00	\$200.00	\$2,000.00
2021040	1.000	EACH	REMOVAL OF DROP INLET	\$1,800.00	\$1,800.00	\$2,000.00	\$2,000.00	\$1,150.00	\$1,150.00
2021287	176.000	LINFT	GRINDING FOR PAVEMENT MARKINGS	\$20.00	\$3,520.00	\$10.00	\$1,760.00	\$16.50	\$2,904.00
2060110	20.000	CUYD	STRUCTURE EXCAVATION	\$200.00	\$4,000.00	\$120.00	\$2,400.00	\$35.00	\$700.00
2070110	15.000	CUYD	GRANULAR BACKFILL	\$175.00	\$2,625.00	\$150.00	\$2,250.00	\$75.00	\$1,125.00
4020100	1,190.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$40.00	\$47,600.00	\$35.00	\$41,650.00	\$37.00	\$44,030.00
4020130	7,522.000	LINFT	PLANTMIX BITUMINOUS SHOULDER DIKES	\$6.00	\$45,132.00	\$8.00	\$60,176.00	\$5.00	\$37,610.00
4020180	48,183.000	TON	PLANTMIX SURFACING (TYPE 2) (WET)	\$85.00	\$4,095,555.00	\$58.00	\$2,794,614.00	\$96.00	\$4,625,568.00
4020200	25,983.000	TON	PLANTMIX SURFACING (TYPE 3) (WET)	\$135.00	\$3,507,705.00	\$120.00	\$3,117,960.00	\$120.00	\$3,117,960.00
4020210	3,056.000	TON	PLANTMIX SURFACING (SPECIAL) (WET)	\$135.00	\$412,560.00	\$140.00	\$427,840.00	\$130.00	\$397,280.00
4030100	63.027	MILE	MILLED RUMBLE STRIPS	\$750.00	\$47,270.25	\$1,000.00	\$63,027.00	\$850.00	\$53,572.95
4030110	15,253.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$120.00	\$1,830,360.00	\$145.00	\$2,211,685.00	\$145.00	\$2,211,685.00
4070190	0.490	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$800.00	\$392.00	\$3,000.00	\$1,470.00	\$855.00	\$418.95
4070240	5.950	TON	SAND BLOTTER	\$100.00	\$595.00	\$150.00	\$892.50	\$250.00	\$1,487.50
6040390	10.000	LINFT	24-INCH CORR. METAL PIPE (16 GAGE)	\$200.00	\$2,000.00	\$350.00	\$3,500.00	\$260.00	\$2,600.00
6040470	5.000	LINFT	30-INCH CORR. METAL PIPE (16 GAGE)	\$200.00	\$1,000.00	\$400.00	\$2,000.00	\$275.00	\$1,375.00
6040700	5.000	LINFT	48-INCH CORR. METAL PIPE (16 GAGE)	\$250.00	\$1,250.00	\$420.00	\$2,100.00	\$305.00	\$1,525.00
6042415	8.000	EACH	18-INCH METAL END SECTION	\$650.00	\$5,200.00	\$1,200.00	\$9,600.00	\$1,150.00	\$9,200.00
6042480	8.000	EACH	36-INCH METAL END SECTION (SAFETY TYPE)	\$3,500.00	\$28,000.00	\$3,500.00	\$28,000.00	\$7,000.00	\$56,000.00
6042520	6.000	EACH	48-INCH METAL END SECTION (SAFETY TYPE)	\$5,000.00	\$30,000.00	\$4,000.00	\$24,000.00	\$10,600.00	\$63,600.00
6080150	8.000	EACH	EMBANKMENT PROTECTOR, TYPE 5	\$4,000.00	\$32,000.00	\$4,500.00	\$36,000.00	\$5,300.00	\$42,400.00
6080250	23.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$500.00	\$11,500.00	\$500.00	\$11,500.00	\$825.00	\$18,975.00
6080370	375.000	LINFT	18-INCH DOWNDRAIN PIPE	\$100.00	\$37,500.00	\$400.00	\$150,000.00	\$130.00	\$48,750.00
6091040	1,960.000	POUND	STRUCTURAL STEEL GRATES	\$4.00	\$7,840.00	\$5.00	\$9,800.00	\$1.35	\$2,646.00
6100050	43.000	SQYD	GEOTEXTILE (CLASS 1)	\$20.00	\$860.00	\$12.00	\$516.00	\$14.65	\$629.95
6100190	14.000	CUYD	RIPRAP (CLASS 300)	\$200.00	\$2,800.00	\$500.00	\$7,000.00	\$140.00	\$1,960.00
6100470	5.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$200.00	\$1,000.00	\$450.00	\$2,250.00	\$250.00	\$1,250.00
6180250	2,137.000	LINFT	REMOVE AND RESET GUARDRAIL	\$12.00	\$25,644.00	\$3.00	\$6,411.00	\$7.25	\$15,493.25
6180260	1.000	EACH	BURIED END ANCHOR	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00
6180350	1.000	EACH	GUARDRAIL TERMINAL (FLARED)	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$3,425.00	\$3,425.00
6180550	426.000	LINFT	GALVANIZED GUARDRAIL (TRIPLE CORRUGATION)	\$80.00	\$34,080.00	\$60.00	\$25,560.00	\$42.50	\$18,105.00
6180600	63.000	LINFT	RECONSTRUCT GUARDRAIL	\$125.00	\$7,875.00	\$60.00	\$3,780.00	\$23.50	\$1,480.50
6190200	694.000	EACH	GUIDE POSTS (RIGID)	\$45.00	\$31,230.00	\$50.00	\$34,700.00	\$47.50	\$32,965.00
6190280	57.000	EACH	OBJECT MARKERS, TYPE 3	\$95.00	\$5,415.00	\$100.00	\$5,700.00	\$100.00	\$5,700.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$91,000.00	\$91,000.00	\$91,000.00	\$91,000.00	\$91,000.00	\$91,000.00
6240240	20.000	HOUR	RENT EQUIPMENT (LOADER)	\$175.00	\$3,500.00	\$160.00	\$3,200.00	\$180.00	\$3,600.00
6240280	20.000	HOUR	RENT EQUIPMENT (DUMP TRUCK)	\$125.00	\$2,500.00	\$140.00	\$2,800.00	\$115.00	\$2,300.00
6240420	20.000	HOUR	RENT EQUIPMENT (BACKHOE)	\$150.00	\$3,000.00	\$150.00	\$3,000.00	\$150.00	\$3,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$256,688.22	\$256,688.22	\$540,000.00	\$540,000.00	\$250,000.00	\$250,000.00
6270100	1.000	LS	INSTALL STATE FURNISHED SIGNS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
6270190	571.890	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$95.00	\$54,329.55	\$80.00	\$45,751.20	\$97.25	\$55,616.30
6270220	50.000	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$65.00	\$3,250.00	\$80.00	\$4,000.00	\$32.00	\$1,600.00
6270240	277.940	SQFT	PERMANENT SIGNS, REMOVE	\$15.00	\$4,169.10	\$20.00	\$5,558.80	\$10.00	\$2,779.40

**Bid Tabulation**

May 23, 2019

Item No.	Quantity	Unit	Description	Engineer's Estimate		Road and Highway Builders LLC		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6270250	44.500	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$20.00	\$890.00	\$20.00	\$890.00	\$10.00	\$445.00
6280120	1.000	LS	MOBILIZATION	\$698,666.79	\$698,666.79	\$1,032,893.90	\$1,032,893.90	\$1,053,268.40	\$1,053,268.40
6320910	42.000	MILE	EPOXY PAVEMENT STRIPING (SOLID WHITE)	\$1,500.00	\$63,000.00	\$1,500.00	\$63,000.00	\$1,625.00	\$68,250.00
6320970	176.000	LINFT	EPOXY PAVEMENT STRIPING (24-INCH SOLID WHITE)	\$20.00	\$3,520.00	\$10.00	\$1,760.00	\$1,315.00	\$231,440.00
6320980	17.000	MILE	EPOXY PAVEMENT STRIPING (BROKEN YELLOW)	\$1,000.00	\$17,000.00	\$1,500.00	\$25,500.00	\$650.00	\$11,050.00
6321060	2.000	MILE	EPOXY PAVEMENT STRIPING (BROKEN YELLOW W/SOLID YELLOW)	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$2,000.00	\$4,000.00
6321080	2.000	MILE	EPOXY PAVEMENT STRIPING (DOUBLE SOLID YELLOW)	\$3,000.00	\$6,000.00	\$4,000.00	\$8,000.00	\$3,150.00	\$6,300.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00	\$3,000.00	\$3,000.00
<b>Totals:</b>					<b>\$12,343,113.31</b>		<b>\$12,191,191.00</b>		<b>\$12,970,970.00</b>

### Price Sensitivity

May 23, 2019

Contract No.: 3775  
 Project No.: NHP-050-3(013)  
 Project Id: 60893  
 County: Churchill  
 Range: R30 \$11,500,000.01 to \$13,500,000  
 Working: 100

RE: Scott Harrill  
 Designer: Kimberly Goodwin

Engineer's Estimate	Road and Highway Builders LLC	Granite Construction Company	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$12,343,113.31	\$12,191,191.00	\$12,970,970.00	\$779,779.00	-\$151,922.31	99%

Item No.	Quantity	Description	Unit	Engineer's Est. Unit Price	Low Bid Price	Unit	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Quantity Check Comments
2020990	399,081.700	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	SQYD	\$2.00	\$3.00		\$0.85	362,687.91	91%	150%	No	Qty Verified, OK
4020130	7,522.000	PLANTMIX BITUMINOUS SHOULDER DIKES	LINFT	\$6.00	\$8.00		\$5.00	259,926.33	3456%	133%	No	Qty Verified, OK
4020180	48,183.000	PLANTMIX SURFACING (TYPE 2) (WET)	TON	\$85.00	\$58.00		\$96.00	-20,520.50	-43%	68%	Yes	Qty Verified, OK
4020200	25,983.000	PLANTMIX SURFACING (TYPE 3) (WET)	TON	\$135.00	\$120.00		\$120.00	N/A	N/A	89%	No	Qty Verified, OK
4020210	3,056.000	PLANTMIX SURFACING (SPECIAL) (WET)	TON	\$135.00	\$140.00		\$130.00	77,977.90	2552%	104%	No	Qty Verified, OK
4030100	63.027	MILLED RUMBLE STRIPS	MILE	\$750.00	\$1,000.00		\$850.00	5,198.53	8248%	133%	No	Qty Verified, OK
4030110	15,253.000	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	TON	\$120.00	\$145.00		\$145.00	N/A	N/A	121%	No	Qty Verified, OK
6080370	375.000	18-INCH DOWNDRAIN PIPE	LINFT	\$100.00	\$400.00		\$130.00	2,888.07	770%	400%	Yes	Qty Verified, OK
6250490	1.000	RENT TRAFFIC CONTROL DEVICES	LS	\$256,688.22	\$540,000.00		\$250,000.00	N/A	N/A	210%	Yes	-
6270190	571.890	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	SQFT	\$95.00	\$80.00		\$97.25	-45,204.58	-7904%	84%	No	Qty Verified, OK
6280120	1.000	MOBILIZATION	LS	\$698,666.79	\$1,032,893.90		\$1,053,268.40	N/A	N/A	148%	No	-
6320910	42.000	EPOXY PAVEMENT STRIPING (SOLID WHITE)	MILE	\$1,500.00	\$1,500.00		\$1,625.00	-6,238.23	-14853%	100%	No	Qty Verified, OK

Additional Comments:

## **INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship  
 Partnership  
 Limited Liability Company  
 Corporation  
 Trust  
 Non-Profit Organization  
 Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

100

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

ROAD AND HIGHWAY BUILDERS, LLC

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> PO Box 70846	<b>Website:</b> <a href="http://www.roadandhighwaybuilders.com">www.roadandhighwaybuilders.com</a>
<b>City, State and Zip Code:</b> Reno NV 89570	<b>Point of Contact Name:</b> Kim Krauser
<b>Telephone and Fax No.</b> 7758527283	<b>Email:</b> <a href="mailto:kim.kruaser@strlco.com">kim.kruaser@strlco.com</a>

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b> 7758527283	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

<b>Full Name</b>	<b>Title</b>	<b>% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)</b>
Richard H. Buenting	President & Managing Member	50%
SterlingConstruction Company	Member	50%

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

## DISCLOSURE OF RELATIONSHIP FORM

\*\*\**This section is not required for publicly-traded corporations*\*\*\*

### Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

### Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

### Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

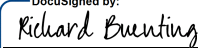
Yes  No



**List any disclosures below (mark N/A, if not applicable.):**

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A	N/A	N/A	N/A

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

DocuSigned by:  
  
 Richard Buenting  
 Signature Print Name  
 President 05/26/2019  
 Title Date

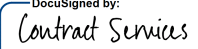
**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?

Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

DocuSigned by:  
  
 Contract Services  
 Signature

Contract Services

Print Name  
 Authorized NDOT Representative



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

## MEMORANDUM

June 7, 2019

**TO:** Department of Transportation Board of Directors  
**FROM:** Kristina L. Swallow, Director  
**SUBJECT:** June 17, 2019, Transportation Board of Directors Meeting  
**Item #9:** Approval of Agreements Over \$300,000 - For Possible Action

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### **Summary:**

The purpose of this item is to provide the Board a list of agreements over \$300,000 for discussion and approval following the process approved at the July 11, 2011 Transportation Board meeting. This list consists of any design build contracts and all agreements (and amendments) for non-construction matters, such as consultants, service providers, etc. that obligate total funds of over \$300,000, during the period from April 17, 2019, through May 14, 2019.

### **Background:**

The Department contracts for services relating to the development, construction, operation and maintenance of the State's multi-modal transportation system. The attached consists of new agreements over \$300,000 and amendments which increase the total agreement amount above \$300,000 during the period from April 17, 2019, through May 14, 2019.

### **Analysis:**

These agreements represent the necessary support services needed to deliver the State of Nevada's multi-modal transportation system and have been prepared following the Code of Federal Regulations, Nevada Revised Statutes, Nevada Administrative Code, State Administrative Manual, and/or Department policies and procedures.

### **List of Attachments:**

- A) State of Nevada Department of Transportation Agreements for Approval, April 17, 2019, through May 14, 2019.

### **Recommendation for Board Action:**

Approval of all agreements listed on Attachment A

**Prepared by:** Administrative Services Division

# Attachment

# A

State of Nevada Department of Transportation  
Agreements for Approval  
April 17, 2019 through May 14, 2019

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Amendment Amount	Total Amount of Prior Amendments	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Notes
1	02218	02	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE (ESRI)	N	\$83,000.00	\$262,000.00	\$86,000.00	\$431,000.00	-	19-Mar-2018	17-Feb-2020	17-Jun-2019	Service Provider	Information Technologies	Robert	<p>AMD 2 06-17-19: INCREASE AUTHORITY BY \$262,000.00 FROM \$169,000.00 TO \$431,000.00 FOR THE DEVELOPMENT OF A THREE TO FOUR YEAR IMPLEMENTATION PLAN THAT INCLUDES: ARCHITECTURE, DATA, AND INFRASTRUCTURE TECHNICAL STRATEGY; ORGANIZATIONAL, TRAINING, AND CHANGE MANAGEMENT RECOMMENDATIONS; BUSINESS PROCESS RECOMMENDATIONS; AND TIMELINE AND BUDGET FOR THE FUTURE BUSINESS NEEDS OF THE DEPARTMENT. THE IMPLEMENTATION PLAN WILL BE UTILIZED AS A GUIDE FOR THE RENEWAL OF THE PROGRAM IN FY20.</p> <p>AMD 1 02-14-19: EXTEND TERMINATION DATE FROM 02-17-19 TO 02-17-20 AND INCREASE THE AMOUNT BY \$86,000.00 FROM \$83,000.00 TO \$169,000.00 TO CONTINUE THE ANNUAL SUBSCRIPTION FOR THE ENTERPRISE-WIDE USE OF ESRI ENTERPRISE ADVANTAGE PROGRAM.</p> <p>03-19-18: PROVIDE CONTINUED SUPPORT OF ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE (ESRI) PROGRAMS THROUGH A COMBINATION OF CONSULTING, PREMIUM SUPPORT, AND TRAINING FOR ARCGIS MAPPING AND SPATIAL ANALYTICS SOFTWARE. IMPLEMENT ENTERPRISE-WIDE VISIONING AND GEOSPATIAL ENABLEMENT THROUGH TECHNICAL ADVISORY AND COLLABORATIVELY DEVELOP A TECHNICAL WORK PLAN, CARSON CITY. NV B/L#: NVF20111027035-S</p>
2	24716	03	STANTEC CONSULTING SERVICES	DISTRICT I MAINTENANCE YARD IMPROVEMENTS	N	\$590,000.00	\$508,655.00	\$111,600.00	\$1,210,255.00	-	23-Dec-2016	31-Dec-2019	17-Jun-2019	Service Provider	Maintenance and Asset Management	Thor	<p>AMD 2 06-17-19: INCREASE AUTHORITY BY \$508,655.00 FROM \$701,600.00 TO \$1,210,255.00 DUE TO ADDITIONAL SCOPE OF SERVICES TO INCLUDE: WASH STATION DESIGN CHANGES; SECURITY FENCING; BIN STORAGE AND DRYIN BIN; LANDSCAPE MODIFICATION; FUEL STORAGE TANK COORDINATION; SURVEY RECORDS RESEARCH AND RECORD OF SURVEY; AND PROVIDE CONSTRUCTION ADMINISTRATION AND ENGINEERING SUPPORT DURING THE CONSTRUCTION PHASE OF THE PROJECT.</p> <p>AMD 2 09-27-18: INCREASE AUTHORITY BY \$20,600.00 FROM \$681,000.00 TO \$701,600.00 DUE TO IDENTIFYING REQUIRED ADDITIONAL SCOPE OF WORK FOR DRAINAGE IMPROVEMENTS, A NEW VEHICLE WASH PAD, A WASH RACK AND A SEDIMENTATION BASIN, TO MEET STORMWATER REQUIREMENTS.</p> <p>AMD1 10-23-17: INCREASE AUTHORITY BY \$91,000.00 FROM \$590,000.00 TO \$681,000.00 AND EXTEND TERMINATION DATE FROM 12-31-17 TO 12-31-19 DUE TO UNFORESEEN DELAYS IN UTILITY IDENTIFICATION AND THE COMPLEXITY OF ADDITIONAL DESIGN SERVICES.</p> <p>12-23-16: DESIGN SERVICES FOR THE LAS VEGAS MAINTENANCE STATION FOR SITE IMPROVEMENTS, CLARK COUNTY. NV B/L#: NVF20101021081-R</p>
3	02618	00	XCEL MAINTENANCE, INC.	JANITORIAL SERVICES - TRAFFIC MANAGEMENT CENTER	N	\$475,360.00	-	-	\$475,360.00	-	17-Jun-2019	30-Jun-2023	-	Service Provider	District I	Tracy/Mary	06-17-19: PROVIDE PROFESSIONAL JANITORIAL SERVICES AT THE TRAFFIC MANAGEMENT CENTER, LOCATED AT 4615 WEST SUNSET ROAD, LAS VEGAS. SERVICES WILL BE PROVIDED SIX DAYS A WEEK AND WILL INCLUDE APPROXIMATELY 25,000 SQUARE FEET OF CARPETED FLOORING, APPROXIMATELY 15,738 SQUARE FEET OF TILE COVERED OR PAINTED FLOORING, AND SPECIFIED JANITORIAL SERVICES TO APPROXIMATELY TEN (10) RESTROOM/LOCKER ROOMS OF VARIOUS SIZES, CLARK COUNTY. NV B/L#: NVD20021426879-R PROPOSERS: A TO ZZZ ENVIRONMENTAL, BRIGHT CLEANING, JANI KING, XCEL MAINTENANCE, WOW CLEANING.
4	16119 16219 16319	00	GES, INC. KLEINFELDER NEWFIELDS	ON-CALL GEOTECHNICAL SERVICES	N	\$750,000.00	-	-	\$750,000.00	-	17-Jun-2019	30-Jun-2021	-	Service Provider	Materials	Thor	06-17-18: THREE SERVICE PROVIDERS SELECTED UNDER RFP 369-18-020 WILL PROVIDE THE GEOTECHNICAL SECTION WITH PROFESSIONAL GEOTECHNICAL ENGINEERING SERVICES, ON AN AS-NEEDED BASIS. SERVICES INCLUDE: GEOTECHNICAL INVESTIGATION AND DESIGN SERVICES FOR HIGHWAY TRANSPORTATION PROJECTS; DESIGN OF STRUCTURE FOUNDATIONS, RETAINING WALLS, CUT/FILL SLOPES AND ROADWAY SUBGRADE FOR CAPACITY IMPROVEMENTS; SEISMIC RETROFITS; REHABILITATION AND REPAIR PROJECTS; AND ASSIST THE DEPARTMENT IN DEVELOPING PLANS AND SPECIFICATIONS, STATEWIDE. NV B/L#: NVD19921050120, NVF19801004246, NVF20121741851-R PROPOSERS: GES, INC., KLEINFELDER, NEWFIELDS, NINYO & MOORE, NOVA GEOTECHNICAL, TERRACON.
5	37315	02	ATKINS NORTH AMERICA	RESIDENT ENGINEER ACADEMY	N	\$296,081.50	\$300,000.00	-	\$596,081.50	-	30-Dec-2015	30-Jun-2023	17-Jun-2019	Service Provider	Construction	Thor	<p>AMD 2 06-17-19: INCREASE AUTHORITY BY \$300,000.00 FROM \$296,081.50 TO \$596,081.50, AND EXTEND THE TERMINATION FROM 12-30-19 TO 06-30-23, FOR THE CONTINUATION OF SERVICES FOR ANOTHER FOUR YEARS BASED ON THE QUALITY PROGRAM PROVIDED EVERY YEAR.</p> <p>AMD 1 08-23-18: EXTEND THE TERMINATION FROM 06-30-19 TO 12-31-19 FOR THE CONTINUATION OF SERVICES.</p> <p>12-30-15: PROVIDE ASSISTANCE TO DEPARTMENT IN DEVELOPING, ORGANIZING, AND HOSTING THE RESIDENT ENGINEER ACADEMY, AND TO PROVIDE RESIDENT ENGINEERS WITH THE TOOLS AND TRAINING THEY'LL NEED TO SUCCESSFULLY ADMINISTER THE DEPARTMENT'S CONSTRUCTION PROJECTS. ENSURE COMPLIANCE WITH FEDERAL AND STATE REQUIREMENTS, FOLLOW THE DEPARTMENT'S MANUALS AND TO REDUCE THE NUMBER OF CLAIMS FILED AGAINST THE DEPARTMENT, WASHOE COUNTY. NV B/L#: NVF19981347315-R PROPOSERS: ATKINS.</p>
6	70918	00	CLEAN HARBORS ENVIRONMENTAL	ON-CALL STATEWIDE HAZMAT EMERGENCY RESPONSE	N	\$500,000.00	-	-	\$500,000.00	-	17-Jun-2019	30-Jun-2023	-	Service Provider	Traffic Operations	Thor	06-17-19: PROVIDE QUICK INCIDENT CLEARANCE OF HAZMAT SPILLS OR ILLICIT MATERIAL RELEASES, WHICH ARE LOCATED WITHIN OR ADJACENT TO THE DEPARTMENT'S RIGHT-OF-WAY, ON AN AS-NEEDED BASIS. THE SCOPE OF SERVICES INCLUDES: CLEANUP, CLASSIFICATION, PACKAGING, SOURCE REMOVAL, TRANSPORTATION, WASTE DISPOSAL, ASSOCIATED REGULATORY AGENCY REPORTING, AND OTHER RELATED ACTIVITIES ASSOCIATED WITH HAZMAT SPILLS, STATEWIDE. NV B/L#: NVF20021375471-R PROPOSERS: CLEAN HARBORS ENVIRONMENTAL, ENVIRO CARE, GRAYMAR ENVIRONMENTAL, H2O ENVIRONMENTAL.

# Line Item 1

STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION

022-18-067AMD1  
For Agreement Services Only

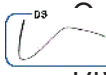
**Request to Solicit Services and Budget Approval (2A)**  
Amendments for time extensions (time only) do not require a form 2a

Initial Budget Request       Request for Amendment #: 2      Agreement #: 022-18-067

If Amendment, name of Company: Environmental Systems Research Institute, Inc (ESRI)

Project ID #(s):   

Type of Services: GIS Services

 Originated by: Heather Hawkins-Fancher Division: IT  
Division Head/District Engineer: David Wooldridge

Date Originated: 4/23/2019

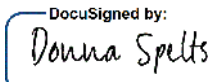
 Category #: 466006      Object #: 813W      Organization #: A067

Estimated Cost: \$262,000.00      Type of Funding: State      % of Fund: 100

Funding Notes:      State Fiscal Year(s): FY19 and FY20

FY19 total is \$162,000.00 for additional 100 learning and service credits.  
FY20 projected total is \$100,000.00 to renew our ESRI Enterprise Advantage Program.

**Financial Management:**

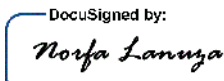
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Requires Transportation Board Approval

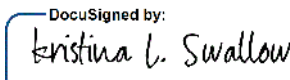
**Does not** require Transportation Board Approval

Approval of this form by the Financial Management Division, Budget Section, provides funding authority for the services described. Actual availability of funds and the monitoring of actual expenditures must be determined by the Division Head.

**Project Accounting:**

DocuSigned by:  
 \_\_\_\_\_ 4/30/2019  
3BAB63AE02084DA...      ure      Date

**Director:**

DocuSigned by:  
 \_\_\_\_\_ 5/1/2019  
8D274EC84D25433...      ure      Date

**STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION**

022-18-067AMD1  
For Agreement Services Only

**Attachments:**

Budget by Organization Report (Report No. NBDM30) attached here:



If Amendment, attach original Agreement here:



Any additional information to attach:

Yes



**Purpose of, and Justification for, Budget Request:**

NDOT is seeking to add an additional 100 learning and service credits to our existing Esri Enterprise Advantage Program and then plan for the renewal of the program in FY20.

**Scope of Services:**

Please see attached.



1263 South Stewart Street  
 Carson City, Nevada 89712  
 Phone: (775) 888-7440  
 Fax: (775) 888-7201

## MEMORANDUM

May 16, 2019

**TO:** Robert Nellis, Assistant Director

**FROM:** Suvani Gautam, Project Manager

**SUBJECT:** Negotiation Summary for RFP P022-18-067 ESRI System Of Engagement Discovery Process and ESRI Enterprise Advantage Program (EEAP)

A negotiation meeting was held at NDOT Headquarters in Carson City on January 28<sup>th</sup>, 2019 with Jesse Gonzalez, Account Manager, ESRI and David Woolridge and Suvani Gautam of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at ZERO percent (0%).

The duration of this agreement for ESRI System of Engagement Discovery Process will be 8 months, ending on FEB 2020 and for ESRI Enterprise Advantage Program (EEAP) will be ending on FEB 2021

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset. **(See Attachment A – Scope of Services)**

The following schedule was agreed to by both parties:

Date	Task to be Completed
July to Late August 2019	Kick Off Meeting/Presentation
Late August to Late September 2019	Phone Interviews
Late September to Jan 2020	Onsite Discovery Process with all divisions (3 District)
Feb 2020	Implementation Plan Delivered and Estimated Cost for Implementation delivered
Feb 2020 to Feb 2021	ESRI Enterprise Advantage Program (EEAP)

Key personnel dedicated to this project are as follows:

Name	Title
Jesse Gonzalez	ESRI Account Manager
Keith King	ESRI Transportation Manager
Jeff Harris	ESRI Technical Advisor
TBD	4-6 ESRI SOE Transportation Team



There are no sub-consultants being utilized on this Project.

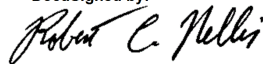
The SERVICE PROVIDER's original estimate was \$177,000 for ESRI System of Engagement Discovery Process and \$100,000 for ESRI Enterprise Advantage Program (EEAP).

The negotiations yielded the following:

The total negotiated cost for this amendment, including direct labor, overhead fees and direct expenses will be \$162,000 for ESRI System of Engagement Discovery Process and \$100,000 for ESRI Enterprise Advantage Program (EEAP).

This Agreement started on March 19, 2018 with the Department paying \$83,000 for the Esri Enterprise Advantage Program (EEAP). This program allows NDOT to receive advice, on-site training and assistance with developing a technical work plan for the Esri software. On February 14, 2019 the Department approved Amendment No. 1, adding \$86,000 for the continuation of the EEAP. The Department is currently seeking approval for Amendment No. 2 adding \$262,000 to continue the EEAP through fiscal year 20 and adding a scope of work and funding for the System of Engagement. The System of Engagement adds an additional 100 learning credits to the EEAP. These Amendments bring the total for this Agreement to \$431,000.

Reviewed and Approved:

DocuSigned by:  
 05/16/2019  
6640EFE839374AD...  
Assistant Director

## ATTACHMENT A SCOPE OF SERVICES

# A System of Engagement for State DOTs

### System of Engagement Overview

A System of Engagement (SoE) provides the DOT's users and partner agencies access to retrieve authoritative data, create new data, use apps, and share contributions. The SoE:

- Provides a single location for users to access authoritative data using any device at any time
- Is comprised of suites of user-focused and interconnected apps
- Builds upon existing technology and data investments
- Establishes a sustainable ecosystem for ongoing innovation AND strong data governance
- Generates quick wins at the start of the initiative to establish a SoE

### Principle Characteristics of the System of Engagement

- All data is sharable and should be "unlocked" based on user credentials
- Data duplication across the SoE is minimized
- Users access the SoE through single Portal
- Users are equipped to build their own apps
- This is not a replacement strategy. The SoE is a "system of systems" that builds on existing DBMS infrastructure and IT assets for accessing, processing, and integrating business and geographic data.
- Production and publication data sources are isolated to separate data management, DBMS resource utilization, quality, performance, upgradeability, and availability between systems.
- Sensitive data must be secured and protected in the SoE (e.g. crash PII, etc.) using existing security infrastructure (directory services, AD, IWA, etc.).
- The SoE is a mission critical system and is highly available.
- Reusable data and web services resources are established in the SoE.
- Capabilities of the SoE increase at an increasing rate

### Implementation

The SoE initiative starts with a 12 to 14-week discovery activity that results in the development of a formal Implementation Plan. Execution of the Implementation Plan is the final phase of the initiative. Below is a description of the discovery process and the development of the Implementation Plan:

1. **Kick Off Presentation:** A presentation to introduce the concept of a SoE to the enterprise as well as a review of the SoE discovery process is conducted. This will be a two-hour event led by Esri onsite.
2. **Phone Interviews** to prepare both the Esri and agency teams for the one-week Onsite Discovery Workshop. The phone interviews will be conducted 2-3 weeks prior to the workshops and will last 45 minutes
3. **Onsite Discovery:** An Esri team of 4-6 people will travel onsite to conduct a Discovery Workshop. The workshop is designed to uncover needed business applications (aka "apps") as well as technical strategies to facilitate the deployment of these apps. In short, the Discovery consists of two parallel tracks, a Business Track and a Technical Track.
4. The SoE **Implementation Plan** will be developed by Esri offsite delivered and reviewed to the agency within four to six weeks of the onsite work. The Implementation Plan will span a three to four-year period and will include:

- a. List of 70 to 150 apps prioritized by two factors – ease of implementation and benefit to the agency
  - b. Architecture, data, and infrastructure technical strategy
  - c. Organizational, training, and change management recommendations
  - d. Business process recommendations
  - e. Timeline and budget
5. The customer can utilize the Implementation Plan as they see fit. It is not required for Esri to execute the plan.

### Participants in the SoE Initiative

To be successful, the DOT must form a core project team who possess an enterprise vision. The core team will work hand-in-hand with the Esri team. It should be 6 to 10 persons in size and be comprised of a mix of people with leadership, business, technical, and project management expertise.

It is imperative to recruit an executive-level project sponsor. This person will guide the project team and assist in obtaining/maintaining organizational buy-in at all levels in the organization throughout the process.

Participants in the discovery process should include personnel who utilize data and IT systems within the DOT's business units (business track), as well as people who support the data and IT systems deployed to support these business units (technical track). This includes:

- Construction
- Finance
- Bridges
- Pavement
- Policy and Planning
- Safety
- ROW
- Civil Integrated Management
- Maintenance
- Materials
- Environmental
- Traffic Engineering Operations
- Fleet Administration and Support
- Other relevant business units

DOT participants in the technical and business interviews during the discovery process should be cross-cutting in terms of skill types and roles as follows:

- Executives
- DOT District/Region Personnel
- System Architects
- Onsite Consultants
- Business System Owners
- Directors/Managers
- Front line workforce
- Data Base Administrators
- GIS Experts
- etc

### Summary

The SoE is implemented as follows:

- Completion of a discovery and requirements gathering project
- Development of an Implementation Plan
- Execution of the Implementation Plan which will span three to four years

Five key SoE takeaways:

1. The SoE provides one, user-customized location where members access all their needed information and tools

2. It is app centric, not technology centric
3. The approach builds on what you have and increases the ROI of existing technology assets
4. The SoE is a sustainable ecosystem for future innovation, self-service, continuous expansion of capabilities, and strong governance
5. It delivers quick wins early in the implementation period

## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Environmental Systems Research Institute, Inc.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 380 New York Street	<b>Website:</b> www.esri.com
<b>City, State and Zip Code:</b> Redlands, CA 92373	<b>Point of Contact Name:</b> Customer Service
<b>Telephone and Fax No.</b> (888) 377-4575	<b>Email:</b> service@esri.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b>	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
Jack Dangermond	President	50%
Laura Dangermond	Vice President	50%
"The Jack and Laura Dangermond Trust, established under the laws of the State of California on October 7, 2000, owns 100% of the outstanding voting, and equity securities of Environmental Systems Research Institute, Inc. Jack and Laura Dangermond are the trustees and sole beneficiaries of the trust." There is equal beneficial ownership (50% for each) of the trust between them.		

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

## DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

### Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

### Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

### Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No





# Line Item 2

247-16-050AMD3

**Request to Solicit Services and Budget Approval (2A)**  
Amendments for time extensions (time only) do not require a form 2a

Initial Budget Request       Request for Amendment #: 3      Agreement #: P247-16-050

If Amendment, name of Company: Stantec Consulting Services Inc

Project ID #(s): 74006

Type of Services: Civil Design Engineering

<sup>DS</sup> AB Originated by: Annette Ballew      Division: Maint/Asset Mgmt      Date Originated: 5/1/2019

Division Head/District Engineer: Anita Bush

<sup>DS</sup> TD Budget Category #: 466006      Object #: 814M      Organization #: C056

Estimated Cost: \$1,210,255.00      Type of Funding: State      % of Fund: 100

Funding Notes:      State Fiscal Year(s): 2020,2021

C056 Architecture requested this project for 2020 FY. Project \$\$ in FY2019 were charged to C050 Maint. Asset but they've handed this project to Architecture C056. 85% to 95% is planned for FY2020 - C056 and the rest in FY2021. see attached budget scope change form

**Financial Management:**

DocuSigned by:  
Donna Spelts      5/7/2019  
8A78D93AD711      Signature      Date

Requires Transportation Board Approval

**Does not** require Transportation Board Approval

Approval of this form by the Financial Management Division, Budget Section, provides funding authority for the services described. Actual availability of funds and the monitoring of actual expenditures must be determined by the Division Head.

**Project Accounting:**

DocuSigned by:  
Norfa Lanuza      5/7/2019  
3BAB63AE020      Signature      Date

**Director:**

DocuSigned by:  
Kristina L. Swallow      5/7/2019  
8D274EC84D2      Signature      Date

**Attachments:**

Budget by Organization Report (Report No. NBDM30) attached here:



If Amendment, attach original Agreement here:



Any additional information to attach:

Yes



**Purpose of, and Justification for, Budget Request:**

The Las Vegas Maintenance Station (MY 921) has been identified as having inadequate drainage and treatment of stormwater runoff. Drainage improvements and stormwater treatment facilities, a new vehicle wash pad, a wash rack and a sedimentation basin are requested to meet stormwater requirements. Additionally the drainage along SR 578 Washington Ave adjacent to the Yard adversely impacts the drainage of the Las Vegas Maintenance station. Due to potential utility conflicts and the specialized design of the stormwater facilities the maintenance and asset management division is requesting consultant services to complete the design of this project.

**Scope of Services:**

see attachment



1263 South Stewart Street  
 Carson City, Nevada 89712  
 Phone: (775) 888-7487  
 Fax: (775) 888-7106

## MEMORANDUM

**May 17, 2019**

**TO:** Thor Dyson, PE, Assistant Director

**FROM:** Ross Baker, PE, Buildings Capital Improvements Manager

**SUBJECT:** Negotiation Summary for Amending Agreement No. P247-16-050

A series of scoping and negotiation meetings and conference calls have been held between Clint Alverson and John Buzzone of Stantec Consulting Services, Inc. (SERVICE PROVIDER) and Lacey Tisler of the Nevada Department of Transportation (DEPARTMENT). These meetings started in December 2018 when Lacey Tisler became the DEPARTMENT representative of this project and culminated with the agreed upon proposal issued May 1, 2019.

The additional Scope of Services that are to be provided by the SERVICE PROVIDER will modify the design to meet the DEPARTMENT's operating requirements, comply with DEPARTMENT fuel storage tank upgrade plan, increase facility security, ensure that the design meets current building code requirements, and provide construction administration and engineering support during the construction phase of the project.

The DBE goal for this agreement has been established at six percent (6%).

The DEPARTMENT's original Agreement P247-16-050 was Five Hundred Ninety Thousand and No/100 Dollars (\$590,000.00) Specific Rates of Compensation for Professional services made and entered into on December 23, 2016. This request is for Amendment No. 3. Prior amendments summarized are as follows:

- Amendment No. 1, made and entered into on October 23, 2017, added a total of Ninety-One Thousand and No/100 Dollars (\$91,000.00) for the SERVICE PROVIDER to perform permitting, air quality permitting, task management and QA/QC services, include a backup generator, replace the switchboard, included an ADA site report, landscape mitigation, relocation of utilities and provide public security
- Amendment No. 2, made and entered into on September 27, 2018 added a total of Twenty Thousand Six Hundred and No/100 Dollars (\$20,600.00) to include a structural design, a welding canopy, site lighting and an autodialer alarm system

Agreement P247-16-050 was for a total amount of Five Hundred Ninety Thousand and No/100 Dollars (\$590,000.00). Amendment No. 1 and Amendment No. 2 increased the agreement to a total of Seven Hundred One Thousand Six Hundred and No/100 Dollars (\$701,600.00). The revised Scope of Services after negotiations ending May 1, 2019 has resulted in an additional Amendment of Five Hundred Eight Thousand Six Hundred Fifty-Five and No/100 Dollars (\$508,655.00) making the proposed amount for this Agreement One Million Two Hundred Ten Thousand Two Hundred Fifty-Five and No/100 Dollars (\$1,210,255.00). The initial Scope of Service, and the amended Scope of Service and proposed Scope of Service are attached for review.

The completed 2a form providing approval for a total of One Million Two Hundred Ten Thousand Two Hundred Fifty-Five and No/100 Dollars (\$1,210,255.00) is attached for review.

Fee proposal for this PROVIDER, with their sub consultant's fee component, is attached. A review of these fees for architectural services including subconsultant engineering finds that the value of fees is within customary ranges for architectural services.

Reviewed and Approved:

DocuSigned by:  
*Thor Dyson*  
\_\_\_\_\_  
Thor Dyson DEE1C18490EE4BD... Director - Operations

## **Attachment B Supplemental Scope of Services**

### **Task 7.0 Permitting:**

#### **Subtask 7.6 Solid Waste Management Facility Permit:**

Preparation of an application to Permit Application to Operate a Solid Waste Management Facility and the associated documents to secure the permit for the Storage Bin Facility at the DEPARTMENT'S Maintenance Yard at 100 E. Washington Street, Las Vegas, Nevada.

The governing authority, Southern Nevada Health Department (SNHD) recommends a preliminary meeting with Solid Waste Plan Review staff to understand the project and recommend process considerations. The SERVICE PROVIDER will schedule this meeting following a comprehensive site visit to fully understand the use of the storage bins, type of solid waste material, frequency of removal, and other operational considerations necessary to prepare the required documents:

1. Application Forms
2. Application Checklist
3. Operations Plan
4. Design Report

#### **Deliverables:**

Permit to Operate a Solid Waste Facility (Waste Bins)

#### **Task Assumptions and Exclusions:**

- It is assumed the site mapping and land use information necessary for the permit application is readily available.
- Current SNHD guidelines also indicate there will be public noticing and possible public meetings. The SERVICE PROVIDER will participate in one public meeting.
- The SERVICE PROVIDER will not be responsible for any applicable permit fees.
- There may be additional information or corrections prior to approval. The SERVICE PROVIDER will be prepared to make one resubmittal.

#### **Subtask 7.7 Stationary Minor Source Permit:**

If there is an addition of a backup generator at the site, permitting may be warranted of a stationary, minor source from the Clark County Department of Air Quality (DAQ). This will depend upon the size of generator selected as the electrical design for a backup generator proceeds.

#### **Task Assumptions and Exclusions:**

- The contractor should be responsible for securing the necessary permits to construct and operate from the Clark County Air Quality Division at the time of installation.
- It is assumed the site mapping and land use information necessary for the permit application is readily available.
- The SERVICE PROVIDER will not be responsible for any applicable permit fees.

### **Task 9.0 Additional Services:**

Selected design services will be included in the basis for design report as provided with the accepted Scope of Services.

#### **Subtask 9.1 Task Management and QA/QC**

This task includes coordination and management of the Additional Services subtasks to ensure the deliverables described in this amendment to the scope of work agreement are delivered to meet the

Departments objectives and provided within the defined timeline. Task Management also includes assigning staff resources, budget monitoring, and coordination and schedule between engineering disciplines as well as direct coordination with Department (design and maintenance) staff on specific design preferences.

**Deliverable:**

- Key Design Element Decision Log will be maintained and shared with Department staff.

**Subtask 9.2 Inclusion of Back-up Generator**

Electrical design to add a facility wide generator for the maintenance yard.

**Deliverables:**

- **Intermediate Design:** The design drawings and details for this subtask will be included in the 60% review contract documents.
- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 90% review contract documents.
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

**Task Assumptions and Exclusions:**

Loads from the new portable buildings will not be included since those buildings have their own Nevada Energy metered services.

**Subtask 9.3 Switchboard Replacement**

Electrical design to remove and waste existing main switchboard with a new switchboard of the same capacity rating. The new switchboard will be installed adjacent to the existing switchboard to allow for easy cut over of existing circuits.

**Task Assumptions and Exclusions:**

- The existing switchboard can be safely and sufficiently isolated to replace with a new, updated switchboard.
- Existing wiring have sufficient integrity to make new connections.

**Subtask 9.4 American with Disabilities Act (ADA) Site Assessment Report**

Per the Americans with Disabilities Act, modifications to civil improvements associated with accessible pedestrian routes are sometimes required when these areas are adjacent to certain types of pavement rehabilitation projects. After our initial site review, it was determined that many of the existing pedestrian ramps adjacent to deteriorated pavement needed to be brought up to ADA compliance. In support of this effort, SERVICE PROVIDER staff will perform a site assessment of the DEPARTMENT's District 1 Project Site with purpose of investigating compliance of the existing accessible pedestrian routes adjacent to proposed pavement rehabilitation areas. This assessment will consist of all onsite pedestrian ramps and exterior walkways within the project limits. Where pedestrian ramps do not exist, but may be needed will also be noted. ADA compliance of buildings, and building accesses will not be included in this assessment.

SERVICE PROVIDER will prepare a draft technical memorandum for DEPARTMENT's review containing the results of our ADA site assessment and recommendations for improvements to address requirements of the Americans with Disabilities Act (ADA). The memorandum will consist of a matrix of ADA issues, and potential corrections by location. Upon receipt of DEPARTMENT's review comments for the draft memorandum, the SERVICE PROVIDER will prepare the final ADA Assessment memorandum.



**Deliverable:**

- Original and electronic files of Draft and Final ADA Assessment Memorandum

**Task Assumptions and Exclusions:**

- ADA assessment of buildings and building access is not included.

**Subtask 9.5 Landscape Mitigation Design**

Landscape Plans will be provided for existing landscape areas that require modifications and for several new areas including at the main entrance and parking lot, at the main building, at the central existing landscape island and at the back entrance. The intent is to preserve the existing quantity of pervious area and avoid additional imperviousness on the site and infiltrate storm water on site. Where feasible, drainage from roof tops will be directed to landscape areas. It is anticipated that the following will be provided for each phase of construction document development including 60%, 100% and IFC. Up to 2 soil tests will be analyzed for ornamental plant recommendations. The project landscape architect will make a 1 day field visit to the site.

**Deliverables:**

- **Intermediate Design:** The design drawings and details for this subtask will be included in the 60% review contract documents.
- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications, and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents.
- **Final Design:** IFC Design Plans, Construction Technical Specifications, and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

**Task Assumptions and Exclusions:**

- The palm trees that will be removed with the installation of the retaining wall can be relocated to other landscaped areas defined during early design phases.
- Where practical roof drainage can be directed to landscaping in close proximity and soil conditions are conducive to infiltration.

**Subtask 9.6 Relocation of Light Poles, Power Pole, and Fire Hydrants**

This task includes the design for relocating four (4) light poles, one (1) power pole, one (1) emergency signal pole, and one (1) fire hydrant on north side of East Washington Ave along the DEPARTMENT's yard property. This task will include details for splicing, pull boxes, fence, and installation of new emergency signal pole and foundation. The sidewalk along this corridor will also be reconstructed. It will also include coordination with the Las Vegas Valley Water District and NV Energy for the relocation standards of each of their facilities.

**Subtask 9.7 Public Security Memo**

In order to provide options for more security to the DEPARTMENT's Maintenance Yard, SERVICE PROVIDER staff will analyze the site and provide a technical memorandum with options for isolating the public from the majority of the maintenance yard, while still allowing public access to the permits office / building. The memo will include

security alternatives and analysis of the alternatives, figures and an engineer's opinion of probable cost for each alternative.

**Deliverable:**

- Original and electronic files of the Public Security Memorandum

**Task Assumptions and Exclusions:**

- Design of the security options is not included in this task.

**BUDGET**

<b>TASK</b>	<b>COST</b>
7.0 Permitting amendments	
7.6 Air Quality	\$1,488
7.7 Solid Waste Permit	\$11,730
9.0 Additional Services	
9.1 Task Management and QA/QC	5,882
9.2 Back-up Generator	\$9,153
9.3 Switchboard Replacement	\$12,434
9.4 ADA Site Assessment Report	\$8,115
9.5 Landscape and LID Improvements	\$18,845
9.6 Relocation of Light Poles, Power Pole, and Fire Hydrants	\$12,190
9.7 Public Security Memo	\$11,163
<b>TOTAL COST NOT TO EXCEED</b>	<b>\$91,000</b>

## Attachment D Supplemental Scope of Services

### Task 9.0 Additional Services:

The services related budget amendment have been broken down into the subtasks described in the ensuing sections.

#### Subtask 9.10 Fuel Storage Tank Coordination

##### 9.10.1 – Coordination with Lumos and Associates

Stantec understands that NDOT would like to consolidate the Lumos and Associate underground tank replacement project and the Stantec maintenance improvements project into a single bid package. Stantec understands that the bid package will consist of bid items for the underground tank work and for the maintenance yard improvement work. Additionally, Stantec understands that the two designs will be stand-alone designs, meaning that each design package is complete and could be bid separately if needed. This task consists of two primary elements: the coordination services needed to make the Stantec design consistent with the Lumos and Associates design for the underground tank replacement project and compiling the final bid package. For coordinating the two design packages, Stantec will work with Lumos and Associates to develop a unified set of design conditions for the site layout, surface preparation, finished surface elevations, buried utilities, etc. to create a more seamless integration during the construction. Stantec will modify our drawings to reference the Lumos and Associates plans and specifications as a bid item in the Las Vegas Maintenance Yard (MY921) bid package. Stantec will review the Lumos and Associates material specifications and work with them to develop specifications that avoid conflicts in the materials specified by each. Lastly, Stantec will compile the plans and specifications into a single bid package and prepare

#### Deliverables:

- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

#### Task Assumptions and Exclusions:

- Stantec will provide only technical specifications and NDOT will provide all front-end bid documents.
- Lumos and Associates will provide all necessary electronic and original paper copies of plans, specifications, and bid item(s) for their design. Lumos and Associates will provide shop drawing review, answer RFI's, prepare change orders, provide construction coordination, and prepare record drawings for the Fuel Storage Tank Replacement Project.
- Stantec assumes Lumos and Associates will be responsible for providing all information they need to complete their design, such as geotechnical information, seismic design criteria, subgrade preparation requirements, survey data, or other design criteria.
- Stantec's review will not assess the completeness, accuracy, or correctness of the Lumos and Associates design and Stantec takes no responsibility or liability for the content of the Lumos and Associates design. Stantec will not make any change or

modification to the Lumos and Associates plans or specifications but will provide information to Lumos and Associates regarding any changes necessary to integrate the two designs.

### **Subtask 9.11 Survey Records Search and Record of Survey**

9.11.1 – Survey Records Search (Subconsultant)

9.11.2 – Record of Survey (Subconsultant)

The current boundary information provided by NDOT is insufficient to verify the parcel boundary. Under this task, Stantec's survey subconsultant will conduct a records search of the existing parcel at the Clark County Recorder's Office and will review records dating to the land patent. Using information discovered in the records search, Stantec's survey subconsultant will perform a Record of Survey. The Record of Survey will be recorded with the County Recorder's Office.

#### **Deliverables:**

- Record of Survey based upon the records search
- AutoCAD boundary file

#### **Task Assumptions and Exclusions:**

- Does not include the setting of monuments except for required property corners
- Stantec will pay the recording fee for the Record of Survey
- Does not include an ALTA survey

### **Subtask 9.12 Wash Station Design Changes**

9.12.1 – Wash Station Civil Design

9.12.2 – Wash Station Mechanical Design

9.12.3 – Wash Station Structural Design

9.12.4 – Wash Station Electrical Design

NDOT requested a design change to the wash station so it could accommodate vector trucks and sweeper trucks with their sweepers in the up position. These vehicles were not included in the original design vehicle list. The civil design changes will address changes needed to the site layout to provide room to maneuver the vehicles into the wash station. The mechanical design changes will include adjustments to the underground piping and coordination with Riveer to provide sufficient space between the wash racks for the vector truck and provide adequate width in the wash racks for sweeper vehicles with the sweepers in the up position. The structural design changes will include PCC pad and retention basin elongation design modifications. The electrical design changes will include relocation of electrical vaults west of the wash station to accommodate exiting vehicles.

#### **Deliverables:**

- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

#### **Task Assumptions and Exclusions:**

- The design vehicles for the wash station will be based upon the sweeper trucks with sweepers in the up position and vector trucks.

- Vehicle movement is not limited to U-Turn Movements into the wash station.
- There will be a single connection for the sweepers in the middle of the wash station as currently designed.

### Subtask 9.13 Landscaping Modification

#### 9.13.1 – Landscaping Modifications

This task consists of a site visit to identify trees producing allergenic pollen and modifying the landscape design to remove the offending trees, add shade trees along south edge of the site, modify the planting plan near the existing CMU wall and the new CMU wall, and other landscape plan updates to accommodate modifications to the civil design.

#### Deliverables:

- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

### Subtask 9.14 Security Fencing

#### 9.14.1 – Security CMU Wall

This task consists of changing the security fencing from 8' metal fencing to concrete masonry unit (CMU) security wall topped with metal fencing along Washington Street and Main Street. The existing Washington Street CMU wall will remain in place and the existing barb wire removed. The barb wired fencing will be replaced with metal fencing. The existing CMU wall along Main Street will be removed as noted in the previous plans and a new CMU wall topped with metal fencing will be designed. The changes will include civil design for removal of the Main Street CMU wall, replacement of AC pavement and sidewalk as necessary. The changes will include structural design for the CMU wall and metal fencing to CMU wall connections for the remaining and new CMU walls.

#### Deliverables:

- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

### Subtask 9.14 Bin Storage and Drying Basin

#### 9.15.1 – Bin Storage and Drying Basin

This task consists of design services for the demolition of the existing bin storage, removal of existing pavement and improvements for the proposed bin storage and drying basin location. The spoils drying basin will require a sand/oil separator to treat decanted water from the spoils piles prior to its discharge to the sanitary sewer system. Below are the design conditions for the proposed improvements:

- Existing bin storage area facilities including concrete pavement, concrete walls, existing lighting and appurtenances are to be removed. The existing compactor is to remain.
- The existing bin storage area is to be repaved.
- A new light standard by the existing compactor is needed.
- The new bin storage and drying area will be located at the northern limit of the Maintenance Yard.
- Existing pavement at new bin storage and drying basin location will be removed.
- New bin storage and spoils drying basin facilities are to be designed. The facilities will include a new sand/oil water separator with a connection to the sanitary sewer.
- Structural design for new concrete walls adjacent to the bin storage concrete pad and retaining curb adjacent to the drying basin.
- Electrical design for the light standard.
- Permitting assistance for the sanitary sewer connection (City of Las Vegas).

#### **Deliverables:**

- **Quality Assurance Design:** Quality Assurance Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% review contract documents
- **Final Design:** 100% Design Plans, Construction Technical Specifications and Engineer Opinion of Probable Construction Cost (EOPCC) will be included in the 100% Design Submittal.

#### **Subtask 9.16 Construction Administration Services**

- 9.16.1 – Task Management and Coordination
- 9.16.2 – Attend Preconstruction and Weekly Construction Meetings
- 9.16.3 – Submittal Review
- 9.16.4 – RFI Review and Response
- 9.16.5 – Quotation Requests
- 9.16.6 – Work Change Directives
- 9.16.7 – Design Visits
- 9.16.8 – Startup Assistance
- 9.16.9 – Pre-Final and Final Inspection
- 9.16.10 – Project Closeout

Each of these tasks are described in greater detail below.

##### 9.16.1 – Task Management and Coordination

This task will include the administrative work required to implement the project. This includes activities such as staff coordination; distribution of work documents to the review team (e.g., submittals, Requests for Information, etc.); consolidation of review comments; QA/QC review of documents; responding to daily phone calls and emails from NDOT, the contractor, or the construction inspector to coordinate construction issues with the design team; task coordination with NDOT and the onsite construction inspector, and quality assurance reviews. This task will also include the non-technical activities related to normal project administration such as budget and schedule tracking, preparing invoices, and document management.

##### 9.16.2 – Attend Preconstruction and Weekly Construction Meetings

Stantec will attend a preconstruction meeting to be held at the Las Vegas Maintenance Yard. The meeting will be attended by five Stantec staff, the Project Manager, the lead civil designer,

the lead electrical designer, a landscape architect, and a structural designer. It is assumed the meeting will be no more than three hours in length.

Stantec's Las Vegas-based project manager will attend weekly on-site construction progress meetings. It is assumed the construction activities will extend for a period 12 months and there will be no more than 52 weekly progress meetings. Each progress meeting will include a site walk to observe construction progress, gather information as may be needed to help resolve construction issues, and conduct discussions with NDOT and/or the contractor regarding construction issues.

#### 9.16.3 – Submittal Review

Contractor submittals will be reviewed for compliance with the contract documents and design intent. It is anticipated that all submittals will be processed as pdf files provided by the contractor. Submittals with appropriate marks and/or comments will be provided to NDOT for review and release to the contractor. It is assumed that all submittals will have been reviewed by the General Contractor and Construction Manager for completeness prior to being forwarded to Stantec for review. The budget established by this task assumes a maximum of 100 submittals (this includes resubmittals). The number of submittals and resubmittals depends on competency and management approach of the contractor, which is beyond the control of Stantec or NDOT.

#### 9.16.4 – RFI Review and Response

Requests for Information (RFIs) by NDOT or the contractor will be reviewed and answered by the design team in a timely manner. Stantec may require that additional measurements or photographs of the work in question be obtained by the contractor or NDOT to properly answer the RFIs. The number of RFI's often depends on the competency and management approach of the contractor, which is beyond the control of Stantec or NDOT. The budget established for this task assumes Stantec will prepare responses to no more than 70 RFIs.

#### 9.16.5 – Quotation Requests

Stantec's design team will assist NDOT with the preparation of Quotation Requests (QRs) for potential Contract Change Orders. Stantec will evaluate contractor quotes, assist with scope and cost negotiations as required, and make recommendations to NDOT for approving or denying quotes. The budget established for this task assumes Stantec will assist in the preparation of no more than 10 QRs.

#### 9.16.6 – Work Change Directives

Stantec's design team will prepare and/or provide support for Work Change Directives (WCDs). Tasks associated with a WCD will typically include preparation of drawings, details, and specifications as required to support the changes authorized by NDOT. The budget established for this task assumes Stantec will assist with a maximum of 5 WCDs.

#### 9.16.7 – Design Visits

Stantec anticipates that it will be necessary for design team members to visit the site to help resolve construction issues, monitor project execution, interpret design intent, and assist NDOT as may be needed. For this task, Stantec assumes the following visits will be required:

- Civil Engineer: 5 site visits
- Electrical Engineer: 8 site visits

- Process (mechanical) Engineer: 3 site visits
- Structural Engineer: 5 site visits
- Landscape Architect: 2 site visits

#### 9.16.8 – Startup Assistance

Stantec's design staff will provide assistance with the startup of the equipment wash system. The goal of the startup assistance is to help get the facility operating and in a condition that will allow the contractor to initiate performance testing. Stantec anticipates that as part of this effort, the electrical engineer and the process mechanical engineer will visit the site during startup activities to help resolve issues as that may arise:

- Electrical Engineer: 2 site visits
- Process (mechanical) Engineer: 1 site visits

Each site visit is expected to require 8 hours. If possible, site visit will be coordinated with other site visits to minimize travel expenses.

#### 9.16.9 – Pre-Final and Final Inspection

Prior to substantial completion (date to be coordinated by NDOT and Stantec's project manager), the project team will attend a pre-final inspection with NDOT to identify items requiring completion. Stantec will provide NDOT a list of items observed during the site visit. Upon substantial completion of the project and written request from the contractor, Stantec's project manager will attend a final inspection and project walkthrough with representatives of NDOT, and the contractor. Stantec will provide NDOT a list of items observed during the final inspection that need to be completed. Stantec understands that NDOT will use this list to prepare the final punch list to be submitted to the contractor. Stantec will review the punch list for concurrence.

Stantec anticipates that the following will attend the pre-final and final inspections:

- Civil Engineer: 2 site visits
- Electrical Engineer: 2 site visits
- Process (mechanical) Engineer: 1 site visits
- Structural Engineer: 1 site visits
- Landscape Architect: 2 site visits

#### 9.16.10 – Project Closeout and Record Drawings

Stantec will provide any assistance as may be needed to help close out the building permit. Stantec will compile the critical documents and provide them to NDOT. Upon completion of the construction activities, Stantec will prepare record drawings using the as-built drawings maintained by the contractor, Stantec observations of the construction activities, and any design revisions developed during the construction activities. Stantec will provide one full size set and one half-size set of the completed drawings. Stantec will also provide the record drawings in electronic file format (.pdf).

#### **Task Assumptions and Exclusions:**

- Stantec will provide the services described above for the construction of facilities designed by Stantec. Stantec's construction administration services will not cover facilities designed by Lumos and Associates.



- Construction inspection services will be provided by others.
- Construction surveying/staking will be provided by others.
- Special inspections such as ICC inspections, geotechnical material testing, etc. will be provided by others.
- Factory witness testing is excluded.

**Deliverables:**

- **Reviewed Construction Documents:** Reviewed construction documents (submittals, RFIs, QRs, etc.) will include a cover sheet summarizing the results of Stantec’s review and recommended actions, as appropriate. These will be provided to NDOT in an electronic file format (.pdf).
- **Pre-Final and Final Inspection Lists:** Stantec will provide NDOT lists of observed items requiring completion. The lists will be provided in Excel spreadsheet format.
- **Closeout Documentation:** Stantec will provide relevant documentation need by NDOT to close out the project in electronic file format (.pdf).
- **Record Drawings:** Record drawings will be provided after completion of the construction activities.

**Proposed Project Schedule**

Task	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	
9.10 Fuel Storage Tank Coordination																			
9.11 Survey Records Search and Record of Survey																			
9.12 Wash Station Design Changes																			
9.13 Landscaping Modifications																			
9.14 Security Fencing																			
9.15 Bin Storage and Drying Bin																			
9.16 Construction Administration Services																			

**Budget**

TASK	COST
9.10 Fuel Storage Tank Coordination	\$8,758
9.11 Survey Records Search and Record of Survey	\$8,222
9.12 Wash Station Design Changes	\$39,642
9.13 Landscape Modification	\$7,846
9.14 Security Fencing	\$9,098
9.15 Bin Storage and Drying Bin	\$20,341
<b>Subtotal 9.10 through 9.15</b>	<b>\$93,907</b>
9.16 Construction Administration Services	
9.16.1 Task Management and Coordination	\$128,432
9.16.2 Attend Preconstruction and Progress Meetings	\$49,850
9.16.3 Submittal Review	\$79,156
9.16.4 RFI Review and Response	\$56,248
9.16.5 Quotation Requested	\$9,938

9.16.6 Work Change Directives	\$3,868
9.16.7 Design Visits	\$30,564
9.16.8 Startup Assistance	\$7,960
9.16.9 Pre-final and Final Inspection	\$17,380
9.16.10 Project Closeout	\$31,352
<b>Subtotal 9.16</b>	<b>\$414,748</b>
<b>NOT TO EXCEED TOTAL BUDGET AMMENDMENT #3</b>	<b>\$508,655</b>

DRAFT

## **INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):** 116

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Stantec Consulting Services Inc.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 457 Fifth Ave, 12th Floor	<b>Website:</b> www.stantec.com
<b>City, State and Zip Code:</b> New York, NY 10017	<b>Point of Contact Name:</b> Jeff Stone
<b>Telephone and Fax No.</b> 585-978-2373    303-410-4100	<b>Email:</b> jeff.stone@stantec.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> 6995 Sierra Center Parkway	<b>Website:</b> www.stantec.com
<b>City, State and Zip Code:</b> Reno, NV 89511	<b>Point of Contact Name:</b> John J. Welsh, PE, Managing Principal
<b>Local Telephone and Fax No.</b> 775.850.0777    775.850.0787	<b>Email:</b> john.welsh@stantec.com

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

<b>Full Name</b>	<b>Title</b>	<b>% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)</b>
SEE ATTACHED		

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

# DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

## Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A	N/A	N/A	N/A

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.



John J. Welsh, PE

Signature

Print Name

Managing Principal

05/24/2019

Title

Date

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?

Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

Signature

Print Name

Authorized NDOT Representative

**DIRECTORS:**

Scott L. Murray  
Jeffrey P. Stone

**OFFICERS:**

President	Gordon A. Johnston
Executive Vice President & Chief Operating Officer	Scott L. Murray
Executive Vice President & Chief Business Officer	Valentino DiManno
Executive Vice President and Chief Practice and Project Officer	Steve Fleck
Executive Vice President	Leonard Castro
Executive Vice President	Marshall W. Davert Jr.
Executive Vice President	Michael A. Kennedy
Executive Vice President	Stuart E. Lerner
Executive Vice President	Kirk M. Morrison
Executive Vice President	Eric Nielsen
Executive Vice President	Catherine Schefer
Executive Vice President	Robert Seager
Executive Vice President	Stanis I.R. Smith
Executive Vice President	Russ Wlad
Senior Vice President & CEO - Engineering	Brian Larson
Senior Vice President & CIO	Chris McDonald
Senior Vice President	John Adams
Senior Vice President	Paul J.D. Alpern
Senior Vice President	Richard Andrachek
Senior Vice President	Donald W. Armour, Jr.
Senior Vice President	Jamie Bagan
Senior Vice President	Donal J. Bassett
Senior Vice President	David R. Bernier
Senior Vice President	Clayton A. Bock
Senior Vice President	Patrick G. Corser
Senior Vice President	Paul J. DeKeyser
Senior Vice President	Nigel Denby
Senior Vice President	David J. Emery
Senior Vice President	Mario Finis
Senior Vice President	Reno Fiorante
Senior Vice President	Joseph Geller
Senior Vice President	Anton Germishuizen
Senior Vice President	James Grasty
Senior Vice President	Jeffrey Green
Senior Vice President	John J. Hanula
Senior Vice President	David Haywood
Senior Vice President	Fay (Skip) L. Holland
Senior Vice President	David Irvine
Senior Vice President	Isabelle Jodoin





Right of Way Officer  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
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Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Corporate Counsel  
Secretary  
Assistant Secretary  
Treasurer

Geraldine V. Webb  
David Archer  
Donald Blackwell  
William A. Butler  
Thomas Curran  
William J. Edwards  
Cate Hite  
Katharine LaFrance  
Christy J. Leonard  
Amy Oygen  
Marissa Johnson Prakash  
Robert Ray  
Corey Sanchez  
Matthew Storey  
John Wood  
Christopher O. Heisler  
Jeffrey P. Stone  
Theresa Jang

# Line Item 3



1263 South Stewart Street  
 Carson City, Nevada 89712  
 Phone: (775) 888-7440  
 Fax: (775) 888-7201

## MEMORANDUM

May 9, 2019

**TO:** Tracy Larkin-Thomason, Deputy Director

**FROM:** Pauline Beigel, Project Manager

**SUBJECT:** Negotiation Summary for RFP 026-18-061 Janitorial Services for the Traffic Management Center

A negotiation meeting was held at 123 E Washington Ave in Las Vegas on May 9, 2019, with Xcel Maintenance, Inc., Kathia Winchell (SERVICE PROVIDER) and Pauline Beigel of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The duration of this agreement will be 4 years, ending on June 30, 2023.

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset. See attached Scope of Services.

The following schedule was agreed to by both parties:

Date	Task to be Completed
July 1, 2019	Move all required supplies in to building and start service

Key personnel dedicated to this project are as follows:

Name	Title
Kathia Winchell	Owner

There are no sub-consultants being utilized on this Project.

The negotiations yielded the following: Backgrounds will be submitted as soon as possible.

The total negotiated cost for this agreement is \$475,360.00.

Reviewed and Approved:

DocuSigned by:  
  
 832931E930B041E  
 Deputy Director

**Attachment A  
Scope of Services**

The SERVICE PROVIDER agrees to perform Janitorial Services at the Traffic Management Center (TMC) 4615 Sunset, Las Vegas, Nevada for Buildings A and B. Janitorial Services are to be performed six (6) days a week, including holidays, as identified by the DEPARTMENT and as outlined in this Scope of Services.

Cleanable area listed below:

Offices and Conference Rooms	25,000 sq. ft.
Sealed Concert	5,347 sq. ft.
Common Area	5,448 sq. ft.
Circulation	4,294 sq. ft.
Restrooms (18 toilets, 5 urinals, 14 sinks, 6 showers)	2,150 sq. ft.
Lobby	<u>684 sq. ft.</u>
Approximate Total	<u>42,888 sq. ft.</u>

**GENERAL REQUIRMENTS**

1. The SERVICE PROVIDER shall provide daily Janitorial Services to approximately twenty-five-thousand (25,000) square feet of carpeted flooring with approximately Fifteen-Thousand-Seven-Hundred-Thirty-Eight (15,738) square feet of tile covered or painted flooring and specified Janitorial Services to approximately ten (10) restroom/locker rooms of various sizes.
2. The SERVICE PROVIDER shall perform each described service when, where and how specified. Further, the SERVICE PROVIDER shall submit to the DEPARTMENT on a quarterly basis a planned Work Schedule with dates and times included. Schedules shall list the name of the On-site Supervisor who will oversee the work performed. The required Work Schedule will list adequate time and assign custodial staff in sufficient numbers to ensure the effective completion of all Janitorial Services in each building and trailer on a daily, weekly, biweekly, monthly, quarterly and semiannual basis. Attention to detail is expected. The first Work Schedules, under this Agreement, shall be provided to the DEPARTMENT during the Post-Award Conference; time of conference will be announced in Notice to Proceed.
3. In compliance with the multi-employer work site provisions of the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard 29 CFR Part 1910.1200 (e)(2), the SERVICE PROVIDER is required to provide current Material Safety Data Sheets (MSDS's) for all hazardous chemicals [as defined in 29 CFR Part 1910.1200 (c)] to be used by the SERVICE PROVIDER in this agreement.
4. It will be the SERVICE PROVIDER's responsibility to submit to the District Engineer, or his designated representative, a list of all hazardous chemicals to be used on the project under this Agreement within seven (7) days of the Notice to Proceed. MSDS must be

submitted to the District Engineer prior to the beginning of any phase of work which requires the use of hazardous chemicals. A MSDS shall be submitted to the District Engineer, prior to use of the hazardous chemical under this Agreement and for any additional hazardous material not covered by the original list. Also, along with applicable MSDS, the SERVICE PROVIDER will provide the District Engineer or designated representative a copy of their safety book by the first work day specified under Agreement provisions.

5. The SERVICE PROVIDER shall provide a skilled and experienced work force to complete all Janitorial Services outlined in this Agreement. No crew members may be minors. Documentation of crewmembers' janitorial skill and experience must be made available to the DEPARTMENT upon request.
6. The SERVICE PROVIDER shall participate in semi-weekly performance review meetings with the DEPARTMENT at 4615 W Sunset, Las Vegas, Nevada. Meetings will be held at 3 pm on days to be mutually agreed upon by the DEPARTMENT and the SERVICE PROVIDER.
7. Cleaning of all restrooms, locker rooms and shower rooms is a high priority and must be cleaned and serviced on a daily basis. All fixtures, floors, walls, and stall dividers are to be cleaned\* with an approved cleaner/disinfectant that will not harm finishes and shall dry completely streak-free and stain-free nightly. \*The term CLEAN as defined here will mean that no film, odor, stain, dust, lint, or spot can be detected on floors, walls, partitions, ledges, trim, doors, moldings, or fixtures within the restrooms.
8. The SERVICE PROVIDER shall furnish restroom supplies at a quantity to avoid non availability. Supplies are to include, but are not limited to; hand soap (men-industrial; women-feminine qualities), urinal cakes, paper towels (towels shall conform to the size of the holder where made available for DEPARTMENT's use), 2-ply toilet tissue, toilet seat covers and wastebasket liners.
9. The SERVICE PROVIDER shall perform weekly performance inspections and provide a written report to the DEPARTMENT the first workday of each week before 5:00 p.m. Inspections shall be visual. The written report shall report on the performance for the daily, semi-weekly, and weekly tasks, and include the monthly, quarterly and semi-annual tasks when applicable.
10. Floors will be maintained in such a manner as to promote longevity and safety. Upon completion of the work, all floors will be left in a clean, orderly, and safe condition. Floor finish is to be a protective coating, as well as a safety (non-slip) factor, and will be applied to all tile surfaces without fail, regardless of the tile type.
11. Performance Standards: If any services performed by vendor are deemed unacceptable and not in conformance with the specifications and requirements of the contract, the Department shall have the right to require the vendor to perform the services again in conformity with said specifications at no additional cost to the State. In the event the unacceptable service is not done properly the second time, the Department reserves the right to deduct a prorated amount from any monies due vendor.
12. The SERVICE PROVIDER shall pick up all carpet protector mats, chairs, wastebaskets, boxes, small items, etc., from floor area prior to carpet cleaning/shampooing. The same

removal activity is required prior to waxing or buffing non-carpeted floors other than restrooms. Picked up items shall be returned to their appropriate place by the SERVICE PROVIDER prior to the DEPARTMENT's next normal work day.

13. The SERVICE PROVIDER may not subcontract any work.
14. All SERVICE PROVIDER'S employees will have completed a complete background check to include arrest records, criminal records, and credit reports for the last 10 years prior to bid proposal. The TMC will verify criminal records prior to employee being allowed access to the building.
15. SERVICE PROVIDER employees will be uniformed. Uniforms will clearly identify them as the contracted company.
16. SERVICE PROVIDER employees will have company photo identification cards and wear them at all times. The TMC will issue TMC access cards. Both will be visual anytime SERVICE PROVIDER employees are in the building

#### REPAIRS AND EXTRA WORK

1. The SERVICE PROVIDER may be required to perform extra Janitorial Services, which are beyond the scope of this Agreement at the hourly rate specified in the Cost Proposal, incorporated and attached hereto. Such extra work will be specified in writing between the parties.
2. Extra work to be performed shall generally consist of Janitorial Services upon request related to but not limited to cleaning up spills, water overflow residue and other unexpected and unplanned situations requiring corrective measures.
3. The SERVICE PROVIDER's On-site Supervisor and additional personnel as deemed necessary by the DEPARTMENT must be literate and fluent in the English language. This does not require all of the SERVICE PROVIDER's personnel speak, read and write English. Some tasks require only the On-site Supervisor and crew leader to speak, read and write English. Other activities, which involve contact and interaction with the public will require more workers speak English. This requirement is necessary due to the following reasons which include, but are not limited to:
  - a. Warnings of emergencies and hazards.
  - b. Response to the public's inquiries.
  - c. Response to law enforcement authorities, ambulance, etc.
  - d. Preparation and completion of reports.
  - e. Communication with the DEPARTMENT

#### WORK LOCATION & WORK SCHEDULE

1. Work location is 4615 W Sunset Rd, Las Vegas, Nevada.

2. All work performed under the terms of this agreement by the SERVICE PROVIDER shall be accomplished before 6:00 a.m. and after 4:00 p.m., Monday through Friday. Regular work performed on Saturdays may start as early as noon, and must be completed by 8:00 p.m.
3. The SERVICE PROVIDER will propose a Work Schedule and supply the name of the On-site Supervisor who will oversee the work performed, and include the telephone number(s) at which the On-site Supervisor can be contacted. The SERVICE PROVIDER's Work Schedule must reflect adequate time for completion of all required janitorial work as listed in this Scope of Services to include Daily, Weekly, Monthly Quarterly and Semi-Annual services.
4. Storage space will be provided to the SERVICE PROVIDER in Building A. There is approximately 300 square feet of storage space. This area provided for SERVICE PROVIDER use will be maintained so that there are no violations of safety or fire codes. The SERVICE PROVIDER will not alter the storage space without prior written consent from the Department.
5. The SERVICE PROVIDER shall keep all facility exterior opening doors locked, unless moving equipment through them. Offices found locked, shall be re-locked after required Janitorial Services are completed therein. Unlocked office doors shall be left unlocked after Janitorial Services are completed therein. Facility keys will be issued to the SERVICE PROVIDER by the DEPARTMENT. The SERVICE PROVIDER shall sign for issued keys. The SERVICE PROVIDER shall be responsible for the cost of replacing broken keys, lost keys and re-keying expenses whenever necessary to maintain the integrity of the DEPARTMENT's facilities master key system. Keys will not be duplicated.

#### POST-AWARD CONFERENCE

1. After award of this bid, the SERVICE PROVIDER shall be required to participate in a Post- Award Conference for the purpose of ensuring a complete understanding of the requirements of the Agreement. At the Post- Award Conference, the SERVICE PROVIDER shall provide the DEPARTMENT with a proposed Work Schedule and proposed safety plan.
2. Quarterly schedules, set on a "typical" monthly calendar, will be provided to the DEPARTMENT. After the initial schedules are provided to the DEPARTMENT during the Post- Award Conference, subsequent quarterly schedules will be made available to the DEPARTMENT 15 days before each calendar quarter. Schedules shall identify the task, frequency of work and number of workers performing each task. The schedule shall delineate the time frames for each task by day of the week.
3. All schedules shall be subject to DEPARTMENT approval. Thereafter, significant changes to the schedule will be in writing to the DEPARTMENT and shall be



accompanied by a proposed revised schedule. Upon approval by the DEPARTMENT, the SERVICE PROVIDER may implement the revised schedule.

4. The SERVICE PROVIDER shall adhere to the approved Work Schedule and shall complete all required janitorial work during the calendar week in which it is scheduled unless circumstances occur which are beyond the control of the SERVICE PROVIDER, as agreed upon by the DEPARTMENT's Designated Representative.
5. All scheduled work NOT completed during the week scheduled shall be reported to the DEPARTMENT, in writing, on the first work day following scheduled work. The report shall include an explanation of WHY the work was not completed and plans for getting the work on schedule. The DEPARTMENT reserves the right to unilaterally extend the period of any resultant contract for thirty-one (31) days beyond the stated expiration date.

### **DAILY SERVICES (MONDAY THRU FRIDAY)**

1. Dust mop all uncarpeted offices, hallways, open floor space, conference rooms and break rooms.
2. Vacuum all carpeted areas (under furniture, along edges and corners of each room).
3. Pick up trash from sidewalks, sweep dirt from sidewalk as required.
4. Pick up cigarette butts within three feet of any sidewalk.
5. Use a high speed buffer to polish the front lobby, wax or clean as required to maintain a high shine scratch free appearance.
6. Wipe desk in the front reception area to include top, sides, and front.
7. Clean outside of display case glass and surrounding fixtures in the front lobby.
8. Vacuum/clean building's floor mats.
9. Dust top of desks, cabinets, various tables, counter tops, bookcases, etc., with a treated dust cloth (not a feather duster). **DO NOT MOVE OR REMOVE PAPERS OR MATERIALS ON THESE SURFACES. DO NOT CLEAN ANY COMPUTER.**
10. Empty, clean and insert new plastic garbage bags in all waste paper containers and shredder containers; collected trash shall be placed in the outside dumpster receptacle located at the east end of the complex.
11. Empty recycled paper containers and dump them in designated bins.
12. Empty, clean and sanitize ashtray stands (located outside of break areas, and exterior doors) leaving the sand clean and clear of debris in the sand urns. Sand shall be added as needed to maintain a full level. The SERVICE PROVIDER will supply the sand. The type and color must be approved in writing by the Department prior to use. Empty trash in can and clean external surfaces as required.
13. Clean door glass, frames and windows at all entrances (inside and out).
14. Clean, disinfect and polish drinking fountains and all stainless steel attached. Results will be free of smudges, swirls and calcium deposits.
15. Clean and disinfect restrooms, scour washbasins, toilets, urinals, etc. with cleanser. Clean towel dispensers, pipes and other chrome or satin finished items. Results will be free of streaks or smudges. Clean dirt and smudges from walls, polish mirrors and wash walls around toilets and urinals in restrooms. Results shall be free of swirls and streaks.
16. Clean restroom grout. Extra care will be taken to achieve maximum cleanliness of grout.
17. Check and replace urinal cakes when old cakes are 80% depleted.
18. Wet mop all restroom floors, including baseboards, with disinfectant detergent.
19. Replenish restroom supplies (i.e. paper towels, two ply-toilet tissues, soap dispensers, toilet seat covers, sanitary napkins;) at a quantity to avoid non-availability during regular DEPARTMENT work hours. All supplies must be approved by the DEPARTMENT prior to use. A two-day supply must be stored on site at all times.
20. Thoroughly clean break room and kitchen areas.
21. Clean outside surfaces of coffee makers, refrigerators, dishwasher vending machines, and any other machines that show contaminants leaving them free of finger prints, smudges, and swirls.
22. Thoroughly clean outside and inside of microwave ovens.
23. Load, provide soap and run dishwasher nightly.
24. Remove spots found on carpets and other floor surfaces.
25. Sanitize telephone receivers and mouthpieces in all common areas.
26. Clean patios, remove debris, sweep area and empty trash receptacles. Pick up cigarette butts from landscaping and surrounding area.
27. Mop entrance areas, which are painted blue.
28. Wipe both sides of all access doors.
29. Clean all door kick plates, leaving them swirl free.
30. Wipe door handles with suitable disinfectant.

31. Wash handprints and smudges from any interior wall.
32. Clean stainless steel doors, railings, and frames of elevators.
33. Clean elevator floors.
34. Wipe elevator walls and ceilings.
35. Clean and remove smudges from all glass surfaces.

### **SATURDAYS**

1. Clean restrooms A134, A135, and A137. Restrooms will be cleaned the same as daily requirements.
2. Clean break room A136. Break room will be cleaned per daily requirements.
3. Empty trash in room report writing room 241.
4. Vacuum report writing room 241, passages and in room 250.
5. Vacuum Dispatch area. Be cautious of voice traffic with a quiet backpack vacuum or other quiet device before 4:00 pm.

### **SEMI-WEEKLY SERVICES (2 times per week)**

1. Clean glass on all bulletin boards.
2. Remove any dirt or wax/wax build up from baseboards.
3. Sweep and mop stairwell, approaches and stairs.
4. Clean ladder-well hand rails and items affixed to the wall.
5. Clean and shine all brass covers located in halls, common areas, and restrooms. Results will be brass with a high shine.

### **WEEKLY SERVICES**

1. Dust all window coverings and remove all residues from the result of this activity from surrounding area.
2. Clean all light switch plates; use caution when cleaning light sensors.
3. Clean all doors and door handles/knobs, inside and outside.
4. Clean patio area by pressure washing concert area.
5. Strip front lobby, break room floors, corridors and re-apply a minimum of four layers of wax.
6. Spray buff, using a high-speed buffer all common area tile. Common area tile includes break room, lobby and corridors. Do not contaminate wax with dirt.
7. Flush each floor trap with clean water; at least two gallons of water per floor trap.

### **MONTHLY SERVICES**

1. All ceilings, corners and vents shall be dusted and cleaned up to 10'.
2. All wastebaskets shall be cleaned and placed back in proper location by the following morning.

3. Mop all painted or sealed concrete surfaces, including supply rooms, repair areas, and shipping and receiving spaces. Spaces are A141, A145, A148, A151, A157, A158, A161, A175A/B, A182, A236, A266A/B, B104, B123, B168 and Building B maintenance bay areas.
4. Strip (by machine) and wax all other tiled areas. Reapply wax with a minimum of four applications to achieve a brilliant shine.
5. Scrub, with a power scrubber, all restroom tiles.

### **QUARTERLY SERVICES**

(December, March, June, and September - Last week of listed months)

1. Dust picture frames and blinds.
2. All decorative ledges must be dusted and clear of debris.
3. Clean woodwork/tile, board trim at floor level.
4. Clean glass on doors and all office windows.
5. Clean all inner office windows.
6. Clean light covers for ceilings up to 10 feet. Dust external areas, and remove bugs and debris from inside covers.
7. Steam clean carpets: Before shampooing, SERVICE PROVIDER shall pick up all carpet protector mats, chairs, wastebaskets, boxes, small items and etc., from floor area. Picked up items shall be returned to their appropriate place by SERVICE PROVIDER prior to the DEPARTMENT's next normal work day. Dates and times for SERVICE PROVIDER's shampooing of carpeted areas shall be determined in advance through coordination with DEPARTMENT. It is suggested carpet cleaning be scheduled when employees are out of the office, such as holidays or weekends.

### **SEMI-ANNUAL SERVICES**

(May and November)

1. Clean exterior windows inside and out.
2. Clean both sides of glass in room #214.

## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

40

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Xcel Maintenance Services INC.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 8920 Colorful Pines Ave	<b>Website:</b> <small>www.</small> xcelmaintenance.com
<b>City, State and Zip Code:</b> Las Vegas NV 89143	<b>Point of Contact Name:</b> Kathia Winchell
<b>Telephone and Fax No.</b> (702) 341-9235 - (702) 341-0260	<b>Email:</b> xcelmaintenance@cox.net

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> N/A	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b>	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
Kathia Wimbell	President / Owner	100%

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

# DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

## Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

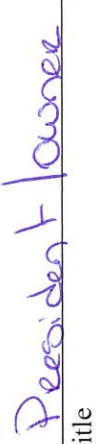


List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A			

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.


  
 Signature Kathia Winchel Print Name Kathia Winchel


  
 Title President F. Lawrence Date 05/09/19

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

Signature \_\_\_\_\_

Print Name \_\_\_\_\_  
 Authorized NDOT Representative

# Line Item 4

369-18-020

**Request to Solicit Services and Budget Approval (2A)**  
Amendments for time extensions (time only) do not require a form 2a

Initial Budget Request      Request for Amendment #:      Agreement #:

If Amendment, name of Company:

Project ID #(s): Projects selected on as needed basis

Type of Services: On-Call Geotechnical Services

Originated by: Mike Griswold      Division: Materials      Date Originated: 7/30/2018

 Division Head/District Engineer: Darin Tedford

Budget Category #: 06      Object #: 814J      Organization #: C020

Estimated Cost: \$750,000      Type of Funding: State      % of Fund: 100

Funding Notes:      State Fiscal Year(s): 2019-2020

This agreement will provide on-call geotechnical investigation and design services for projects as needed to meet the Department's goals and objectives.

**Financial Management:**

DocuSigned by:  
Donna Spelts      8/3/2018  
8A78D93AD71E514      Signature      Date

Approval of this form by the Financial Management Division, Budget Section, provides funding authority for the services described. Actual availability of funds and the monitoring of actual expenditures must be determined by the Division Head.

**Project Accounting:**

DocuSigned by:  
Hua Riley      8/3/2018  
22564E6A6F883F6      Signature      Date

**Director:**

Requires Transportation Board Presentation

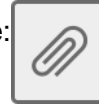
Does not require Transportation Board presentation

DocuSigned by:  
Randy Mayhew      8/3/2018  
C4C7CE5CD588114      Signature      Date

369-18-020

**Attachments:**

Budget by Organization Report (Report No. NBDM30) attached here:



If Amendment, attach original Agreement here:

Any additional information to attach: No

**Purpose of, and Justification for, Budget Request:**

The agreement will provide on-call geotechnical investigation and design services for projects selected by the Department on an as needed basis.

**Scope of Services:**

The agreement will provide on-call geotechnical investigation and design services for a variety of projects that include capital highway improvements, highway rehabilitation and maintenance, forensic investigations, and roadway repairs.



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7520  
Fax: (775) 888-7501

## MEMORANDUM

March 25, 2019

**TO:** Thor Dyson, Assistant Director DS  
MG

**FROM:** Mike Griswold, Project Manager

**SUBJECT:** Negotiation Summary for RFP 369-18-020: On-Call Geotechnical Services

A negotiation meeting was held on March 11, 2019 with David Salter of Geotechnical & Environmental Services, Inc. and Mike Griswold of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at zero percent (0%).

This duration of this agreement will be 2 years, starting July 1, 2019 and ending on June 30, 2021.

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset. The SERVICE PROVIDER will be tasked to provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The SERVICE PROVIDER will assist the DEPARTMENT and other consultants in developing plans and specifications with regard to geotechnical aspects. The design shall follow the most current version of the AASHTO LRFD, FHWA design guidelines, and the DEPARTMENT's standards.

A refined scope of services will be determined by the DEPARTMENT within a Request for Approach (RFA) when a Task Order is identified and issued to the SERVICE PROVIDER.

Key personnel dedicated to this project are as follows:

Name	Title
Gregory DeSart	Principal
David Salter	Project Manager

Reviewed and Approved:

DocuSigned by:  
*Thor Dyson*  
Assistant Director



1263 South Stewart Street  
 Carson City, Nevada 89712  
 Phone: (775) 888-7520  
 Fax: (775) 888-7501

## MEMORANDUM

March 25, 2019

**TO:** Thor Dyson, Assistant Director

**FROM:** Mike Griswold, Project Manager DS  
MG

**SUBJECT:** Negotiation Summary for RFP 369-18-020: On-Call Geotechnical Services

A negotiation meeting was held on March 11, 2019 with Jonathan Lehman-Svaboda of Kleinfelder and Mike Griswold of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at zero percent (0%).

This duration of this agreement will be 2 years, starting July 1, 2019 and ending on June 30, 2021.

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset. The SERVICE PROVIDER will be tasked to provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The SERVICE PROVIDER will assist the DEPARTMENT and other consultants in developing plans and specifications with regard to geotechnical aspects. The design shall follow the most current version of the AASHTO LRFD, FHWA design guidelines, and the DEPARTMENT's standards.

A refined scope of services will be determined by the DEPARTMENT within a Request for Approach (RFA) when a Task Order is identified and issued to the SERVICE PROVIDER.

Key personnel dedicated to this project are as follows:

Name	Title
Jonathan Lehman-Svaboda	Project Manager
Ann Backstrom	Principal Geological Engineer

Reviewed and Approved:

DocuSigned by:  
Thor Dyson  
 Assistant Director



1263 South Stewart Street  
 Carson City, Nevada 89712  
 Phone: (775) 888-7520  
 Fax: (775) 888-7501

## MEMORANDUM

March 25, 2019

**TO:** Thor Dyson, Assistant Director

**FROM:** Mike Griswold, Project Manager DS  
MG

**SUBJECT:** Negotiation Summary for RFP 369-18-020: On-Call Geotechnical Services

A negotiation meeting was held on March 11, 2019 with Jesse Ruzicka of NewFields and Mike Griswold of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at zero percent (0%).

This duration of this agreement will be 2 years, starting July 1, 2019 and ending on June 30, 2021.

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset. The SERVICE PROVIDER will be tasked to provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The SERVICE PROVIDER will assist the DEPARTMENT and other consultants in developing plans and specifications with regard to geotechnical aspects. The design shall follow the most current version of the AASHTO LRFD, FHWA design guidelines, and the DEPARTMENT's standards.

A refined scope of services will be determined by the DEPARTMENT within a Request for Approach (RFA) when a Task Order is identified and issued to the SERVICE PROVIDER.

Key personnel dedicated to this project are as follows:

Name	Title
Paul Kaplan	Principal
Jesse Ruzicka	Project Manager

Reviewed and Approved:

DocuSigned by:  
Thor Dyson  
 Assistant Director

## RFP 369-18-020 On-Call Geotechnical Services Scope of Services

The SERVICE PROVIDER will provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The SERVICE PROVIDER will assist the DEPARTMENT and other consultants in developing plans and specifications with regard to geotechnical aspects. The design shall follow the most current version of the AASHTO LRFD, FHWA design guidelines, and the DEPARTMENT's standards.



## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

48

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Geotechnical & Environmental Services, Inc.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 7150 Placid St	<b>Website:</b> www.gesnevada.com
<b>City, State and Zip Code:</b> Las Vegas, NV 89119	<b>Point of Contact Name:</b> Greg DeSart
<b>Telephone and Fax No.</b> (702) 345-1001 (702) 341-7120	<b>Email:</b> greg.desart@gesnevada.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> same as above	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b>	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
Gregory DeSaut	President	100%

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited liability companies, partnerships, and professional corporations.

# DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

## Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No


2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A			

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

  
 Signature \_\_\_\_\_  
 Print Name David Salter

Geotechnical Practice Leader  
 Title \_\_\_\_\_  
5/16/19  
 Date \_\_\_\_\_

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments: \_\_\_\_\_

Signature \_\_\_\_\_

Print Name \_\_\_\_\_  
 Authorized NDOT Representative

## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?  Yes  No**

**3. Number of Nevada Residents Employed (Do Not Leave Blank):** 17

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Kleinfelder, Inc.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 550 West C Street, Suite #1200	<b>Website:</b> www.kleinfelder.com
<b>City, State and Zip Code:</b> San Diego, CA 92101	<b>Point of Contact Name:</b> Jill Geldmacher
<b>Telephone and Fax No.</b> 619-831-4600 and 619-232-1039	<b>Email:</b> JGeldmacher@kleinfelder.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> 6280 South Valley View Boulevard, Suite 500	<b>Website:</b> www.kleinfelder.com
<b>City, State and Zip Code:</b> Las Vegas, NV	<b>Point of Contact Name:</b> Jonathan Lehman-Svoboda
<b>Local Telephone and Fax No.</b> 702-736-2936 and 702-361-9094	<b>Email:</b> jlehman@kleinfelder.com

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
No one individual owns more than 5%		

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited liability companies, partnerships, and professional corporations.



# DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

## Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No


2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A	N/A	N/A	N/A

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

  
 Signature Jonathan Lehman-Svoboda Print Name  
Principal Professional Date 5/16/2019  
 Title

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

Signature \_\_\_\_\_  
 Print Name \_\_\_\_\_  
 Authorized NDOT Representative

## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

NewFields Companies, LLC

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 1349 W. Peachtree St. NW, Suite 1950	<b>Website:</b> www.newfields.com
<b>City, State and Zip Code:</b> Atlanta, Georgia	<b>Point of Contact Name:</b> Eric Salnas
<b>Telephone and Fax No.</b> (t) 404.347.9050 (f) 404.347.9080	<b>Email:</b> esalnas@newfields.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> 1301 N. McCarran Blvd., Suite 101	<b>Website:</b> www.newfields.com
<b>City, State and Zip Code:</b> Sparks, Nevada	<b>Point of Contact Name:</b> Jesse Ruzicka
<b>Local Telephone and Fax No.</b> (t)775.525.2575	<b>Email:</b> jruzicka@newfields.com

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
William L. Hall	Chairman	32.342%
Shahrokh Rouhani	President	32.342%
Gary R. Krieger	Vice President	22.424%
Michael R. Wild	Member	5.997%
Patrick C. Gobb	Chief Executive Officer	5.689%

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

# DISCLOSURE OF RELATIONSHIP FORM

\*\*\*This section is not required for publicly-traded corporations\*\*\*

## Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## Definitions:

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*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

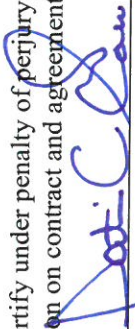
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

  
 Signature Patrick C. Gobb  
 Print Name  
 Title Chief Executive Officer  
 Date May 17, 2019

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

Signature \_\_\_\_\_

Print Name \_\_\_\_\_  
 Authorized NDOT Representative

# Line Item 5



STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION

373-15-040AMD1  
For Agreement Services Only

**Request to Solicit Services and Budget Approval (2A)**  
Amendments for time extensions (time only) do not require a form 2a

Initial Budget Request      × Request for Amendment #: 2      Agreement #: P373-15-040

If Amendment, name of Company: Atkins North America, Inc.

Project ID #(s): n/a

Type of Services: RE Academy Training

 Originated by: Tonia Andree      Division: Construction      Date Originated: 5/7/2019

Division Head/District Engineer: Sharon Foerschler

 Budget Category #: 06      Object #: 814K      Organization #: 040

Estimated Cost: 300,000.00      Type of Funding: State      % of Fund: 100

Funding Notes:      State Fiscal Year(s): 2020-2023

\$75,000 FY2020, \$75,000 FY2021, \$75,000 FY2022, \$75,000 FY2023

Original agreement amount \$296,081.50 requesting an additional \$300,000 for a total agreement amount of \$596,081.50

**Financial Management:**

DocuSigned by:  
Donna Spelts      5/8/2019  
8A78D93AD71F444...      ure      Date

× Requires Transportation Board Approval

**Does not** require Transportation Board Approval

Approval of this form by the Financial Management Division, Budget Section, provides funding authority for the services described. Actual availability of funds and the monitoring of actual expenditures must be determined by the Division Head.

**Project Accounting:**

DocuSigned by:  
Norfa Lanuza      5/8/2019  
5BAB63AE02034DA...      ure      Date

**Director:**

DocuSigned by:  
Kristina L. Swallow      5/8/2019  
C4B812FC2C1E4F3...      ure      Date

STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION

373-15-040AMD1  
For Agreement Services Only

**Attachments:**

Budget by Organization Report (Report No. NBDM30) attached here:



If Amendment, attach original Agreement here:



Any additional information to attach:

Yes



**Purpose of, and Justification for, Budget Request:**

See Attachment

**Scope of Services:**


The SERVICE PROVIDER agrees to assist the DEPARTMENT's Construction Division in hosting the Resident Engineer Academies when directed by the DEPARTMENT during the years 2020 through 2023. The Resident Engineer Academy is approximately a forty (40) hour class. For each year the academy is held it will be held during a week specified by the DEPARTMENT, typically between February and April. The academy will be held in either Reno, Nevada, or Carson City, Nevada, as specified by the DEPARTMENT.



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

**MEMORANDUM**

**May 22, 2019**


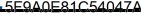
**TO:** Thor Dyson, Assistant Director  
**FROM:** Tonia Andree, Project Manager <sup>DS</sup>  
**SUBJECT:** Negotiation Summary for Amendment 2 to Agreement P373-15-040

On December 30, 2015, the Department entered into agreement P373-15-040 with Atkins North America, Inc. to assist the Construction Division in developing, organizing, and hosting the Resident Engineer Academy.

The Scope of Services includes assisting the Construction Division in hosting the Resident Engineer Academies when directed by the Department during the years 2016 through 2019. The Service Provider arranges the facilities and provides a coordinator who develops the training outline, works with the Department Divisions and Subject Matter Experts to develop new training material, updates existing training material, finalizes the training modules and instructional materials, and arranges and facilitates all training sessions.

This amendment extends the termination date of the Agreement to December 30, 2023 and increases the amount to be paid to the services provider by \$300,000.00 to allow the service provider to continue assisting the Construction Division in providing quality training to Department and Consultant staff.

Reviewed and Approved:

DocuSigned by:  
  
05/28/2019  
  
Assistant Director

## SCOPE OF SERVICES

1. The SERVICE PROVIDER agrees to assist the DEPARTMENT's Construction Division in hosting the Resident Engineer Academies when directed by the DEPARTMENT during the years 2016 through 2019. The Resident Engineer Academy is approximately a forty (40) hour class. For each year the academy is held it will be held during a week specified by the DEPARTMENT, typically between February and April. The academy will be held in either Reno, Nevada, or Carson City, Nevada, as specified by the DEPARTMENT.

2. The SERVICE PROVIDER shall arrange the facilities and provide a coordinator who will develop the training outline by working around the schedules of all the presenters, the DEPARTMENT, and Subject Matter Experts, while maintaining a good balance of presented material to keep the audience's attention focused on the training. The SERVICE PROVIDER will work with DEPARTMENT Divisions and Subject Matter Experts to develop new training material, update existing training material, and finalize the training modules and instructional materials.

3. The SERVICE PROVIDER will be required to coordinate with all DEPARTMENT Divisions represented at the Academy and review training materials with each Division's representatives. The SERVICE PROVIDER will offer guidance to each divisional representative so that he/she may deliver the message in the most effective manner possible.

4. The SERVICE PROVIDER will provide all training and related materials electronically, including the presentation (in PowerPoint format) to DEPARTMENT's Project Manager, and it will become the DEPARTMENT's property.

5. The SERVICE PROVIDER will provide a final report to the Construction Division based on a course evaluation conducted each day of the Academy.

6. The SERVICE PROVIDER will be responsible for arranging and facilitating all training sessions and getting feedback on work progress and direction including, but not limited to: coordinate, plan, and facilitate all in-person and virtual meetings; prepare and administer sessions for the Academy; develop agendas and materials for the Academy; provide all materials; arrange facilities and equipment needed for the training sessions; promote the training sessions; develop means for registration; organize speakers and procure event facilities; compile and distribute final report and PowerPoint presentation(s); and communicate with, and facilitate feedback from, all project participants.

7. The SERVICE PROVIDER shall be responsible for providing for all travel and transportation arrangements and costs plus the per diem allowance for lodging, meals, and incidental expenses for the team.

8. All of the above duties, and any additional duties assigned, are to be performed under the approval and oversight of the DEPARTMENT's Project Manager. The above list is not meant to be all inclusive of the duties and activities involved.

9. The SERVICE PROVIDER agrees to perform services as required on an as-needed basis and as specified in Task Orders that may be directed to the SERVICE PROVIDER by the DEPARTMENT.

10. The SERVICE PROVIDER may be issued one or more Task Orders during the term of this Agreement. Individual Task Orders submitted by the DEPARTMENT to the SERVICE

PROVIDER shall address the scope of services, deliverables, cost, time schedule, and any other items deemed necessary. Cost limits and fixed fee amounts for individual Task Orders will be negotiated at the time each Task Order is issued and will be included in the Task Order. In the event of a conflict between the terms and conditions of this Agreement and a Task Order, the terms and conditions of this Agreement shall be given precedence.

11. The SERVICE PROVIDER agrees to furnish all labor, materials, services, equipment, tools, and other expenses necessary to perform the professional services required under the terms of this Agreement, with the provisions of Attachment A - Scope of Services, and with a related Task Order, except as specifically provided otherwise therein.

12. The SERVICE PROVIDER agrees to comply with all requirements contained in the underlying Request for Proposal which is incorporated into this Agreement by reference.

## INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):** 168

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

Atkins North America, Inc.

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b> 4030 West Boy Scout Boulevard, Suite 700	<b>Website:</b> www.atkingglobal.com
<b>City, State and Zip Code:</b> Tampa, Florida, 33607	<b>Point of Contact Name:</b> Ernie Edgar
<b>Telephone and Fax No.</b> 813 281-3626 and 813 281-3634	<b>Email:</b> ernie.edgar@atkingglobal.com

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b> 10509 Professional Circle, Suite 102	<b>Website:</b> www.atkingglobal.com
<b>City, State and Zip Code:</b> Reno, Nevada, 89521	<b>Point of Contact Name:</b> Roger Philippi
<b>Local Telephone and Fax No.</b> 775 789-9825 and 775 851-1687	<b>Email:</b> Roger.philippi@atkingglobal.com

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
See Attached List	See Attached List	N/A

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited liability partnerships, and professional corporations.



**ATKINS NORTH AMERICA, INC.**  
**FY 2019 DIRECTORS AND OFFICERS**

**Board of Directors**

George L. Nash, Jr.

David D. Quinn, Sr.

C. Ernest Edgar IV

**ATKINS NORTH AMERICA, INC.  
FY 2019 DIRECTORS AND OFFICERS**

**Office Title, Officer Names and Office**

**President/Chief Executive Officer** - George L. Nash, Jr., NEW YORK

**Sen. V.P./Chief Financial Officer/Treasurer**– David D. Quinn, Sr. BOS

**Sen. V.P.** – Reza Amirkhalili, ALEX

**Sen. V.P.** – Kenneth J. Burns, Jr., DEN

**Sen. V.P./General Counsel/Secretary** –C. Ernest Edgar IV, TPA

**Sen. V.P.** – Paul E. Demit, ATL

**Sen. V.P.** – Phil Gruber, DEN

**Sen. V.P.** – Donna M. Huey, ORL

**Sen. V.P.** – Allen Ibaugh, ORL

**Sen. V.P.** - Priya Jain, EDISON

**Sen.V.P.** – Justin P. Jones, PHX

**Sen. V.P.** – Steven C. Malecki, DEN

**Sen. V.P.** – Maureen M. Nayowith, DEN

**Sen. V.P.** – Michael M. Newton, TPA

**Sen. V.P.** – James R. Steele, Jr., TPA

**V.P.** – Humberto P. Alonso, Jr., MIA

**V.P.** – Carlos J. Arboleda-Osorio, MIA

**V.P.** – Robert A. Bailey, AUS

**V.P.** – Matthew S. Baird, HEND

**V.P.** – Mark A. Banks, DEN

**V.P.** – James T. (Tommy) Barfield, TAL

**V.P.** – Danielle N. Barner, DAL

**V.P.** – Stefany M. Barone, DEN

**V.P.** – Ira C. Barrow, NORMAN

V.P. – Edward G. Beadenkopf, ALEX

V.P. /Assistant Secretary – Donya M. Becton, MIA

V.P. – Robert B. Bolick, ATL

V.P. – Mourad Bouhafs, ATL

V.P. – Jeremy J. Bourdon, MIA

V.P. – Wesley M. Burford, AUS

V.P. – Ronald J. Caldi, TPA

V.P. – Kevin P. Callahan, ORL

V.P. – Sergio Callen, New York

V.P. – Robin Campbell, ALEX

V.P. – David J. Carter, MIA

V.P. – Robert W. Chandler, BART

V.P. – Catherine Carr Clinch, CALV

V.P. – Amanda Corson, AUS

V.P. – Matthew P. D’Angelo, NASH

V.P./Assistant Secretary – Rene de los Rios, MIA

V.P. – Donald R. Deis, JAX

V.P. – Thomas J. Delaney, ORL

V.P. – W. Bradley Dennard, NASH

V.P. – P. Michael DePue, II, MAD

V.P. – Harshal B. Desai, HEN

V.P. – Michael A. Dewyre, TPA

V.P. – Emmett Du Bose, Jr. DAL

V.P. – Donald L. Erwin, Jr., ORL

V.P. – Iraj Ghaemi, SAND

V.P. – Kurt A. Goddard, ATL

V.P. – Susan A. Gratch, ORL

V.P. – Jill S. Gurak, RAL

V.P. –Khashayar Hadibour, PhD, LONG BEACH

V.P. – Ghaith Hamade, PhD, HEN

V.P. – Timothy J. Hammer, DEN

V.P. – Rami C. Harb, PhD, DEN

V.P. –David M. Harper, MIA

V.P. – Kenneth P. Hawkins, DEN

V.P. – Ruben A. Hernandez Gregorat, MIA

V.P. – John Tyler Hewitt, ATL

V.P. – Daniel Q. Humphrey, NORMAN

V.P./Assistant Secretary – Jayanth Jayaram, TPA

V.P. – Arthur A. Jones-Dove, CALV

V.P. – James M. Kapinos, ALEX

V.P. – Wade C. Kelly, MAR

V.P. – Thomas S. Knuckey, ORL

V.P. – Elizabeth R. Kraft, DEN

V.P. – Emily J. Kubovchik, HEND

V.P. – Darin R. Larson, FT. MYERS

V.P. – Luke E. LeBas, BAT

V.P. – Timothy P. Ledet, HOUS

V.P. – Daniel A. Liddle, DEN

V.P. – Derek Lindvall, DEN

V.P. – Scott A. Logan, NASH

V.P. – Thomas W. Lowe, AUS

V.P. – Charlotte A. Maddox, TPA

V.P. – Henry Manguerra, ALEX

V.P. – Kevin L. Martin, VEST  
V.P. – Willson S. McBurney, ORL  
V.P. – Regan P. McDonald, ALEX  
V.P. – Donald W. McEvoy, CALV  
V.P. – Steven D. McWilliams, ORL  
V.P. – Mark D. Micikas, TPA  
V.P. – Gene Niemasz, DEN  
V.P. – Elizabeth T. Norris, AUS  
V.P. – Francis O’Connor, EDISON  
V.P. – Praveen K. Ommi, ORL  
V.P. –Wiley C. Page, Jr. JAX  
V.P. – Shayne M. Paynter, TPA  
V.P. – Roger A. Phillipi, RENO  
V.P. - William P. Pitcher, FT LAUD  
V.P. – Robert M. Poll, TPA  
V.P. – Victor P. Poteat, ORL  
V.P. – Susan C. Reinhardt, CALV  
V.P. - Harry G. Rice, VEST  
V.P. – Michael R. Ryan, FT. MYERS  
V.P. – Edward Hull Ryde, DAL  
V.P. – Frank J. Schultz, DEN  
V.P. – Thomas J. Schweitzer, CALV  
V.P. – Shad Shafie, SAN ANT  
V.P. – Joseph L. Shalkowski, AUS  
V.P. – Raj Singh, ORL  
V.P. – Jennifer K. Sorenson, AUS  
V.P. –Angelo A. Spata, HEND

V.P. – Ben R. Sprague, HEND

V.P. – Terry A. Suehr, ALEX

V.P. – Matthew A. Taylor, ORL

V.P. – Scott E. Tezak, BOS

V.P. – Rukiya Thomas, ATL

V.P. – David P. Thompson, RAL

V.P. – Jennifer M. Tsien, ATL

V.P. – Mary C. Volpe, CAL

V.P. – Noelle M. Warren, CHIP

V.P. – Kirk S. Webb, DEN

V.P. – Chester W. Wendrzyk, MEL

V.P. – Lisa M. Wheatly, DEN

V.P. – Gregory J. Wilk, DAL

V.P. – Marcus A. Wittich, ATL

V.P. – Rosemary E. Woods, TAL

V.P. – Jeffrey Wright, ALEX

V.P. – Taylor P. Wright, ATL

V.P. – Terrance J. Zable, ORL

**Assoc. V.P.** – Clifton D. Austin, AUS (ARCHITECTURE, OH)

**Assoc. V.P.** – Robert G. Garner, ATL (LAND SURVEY, GA)

**Assoc. V.P.** – James E. Hunt, OKL (RIC, ENGINEERS AND SURVEYORS)

**Assoc. V.P.** – Jacqueline G. Kinker, ORL, (REAL ESTATE, GA AND NC)

**Assoc. V.P.**- Desiderio “Desi” Maldonado, TAL (ENGINEERING, US VI)

**Assoc. V.P.** – Roberto D. Mantecon, MIA (LAND SURVEY, FL)

**Assoc. V.P.** – Debra K. Reddick, ORL (REAL ESTATE, FL)

**Assoc. V.P.** – Gary D. Reinhardt, AUS (OFFSITE) (REAL ESTATE, TX)

## DISCLOSURE OF RELATIONSHIP FORM

**\*\*\*This section is not required for publicly-traded corporations\*\*\***

### Purpose:

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

### Definitions:

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

### Disclosure of Relationship:

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A	N/A	N/A	N/A

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

  
**Kenneth J. Burns Jr.**

Signature \_\_\_\_\_ Print Name

**Senior Vice President** **4/16/2019**  
 Title Date

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments: \_\_\_\_\_

Signature \_\_\_\_\_

Print Name  
 Authorized NDOT Representative



# Line Item 6

709-18-016

**Request to Solicit Services and Budget Approval (2A)**  
Amendments for time extensions (time only) do not require a form 2a

Initial Budget Request      Request for Amendment #:      Agreement #:

If Amendment, name of Company:

Project ID #(s): N/A

Type of Services: Service Provider: On-Call

Originated by: LaShonn Ford      Division: Traffic Ops      Date Originated: 11/26/2018

 Division Head/District Engineer: Denise Inda

Budget Category #: 466006      Object #: 814E      Organization #: C016

Estimated Cost: \$500,000      Type of Funding: State      % of Fund: 100

Funding Notes:      State Fiscal Year(s): 20, 21, 22, 23

N/A

**Financial Management:**

DocuSigned by:  
Donna Spelts      12/10/2018  
8A78D93AD715314      Signature      Date

Approval of this form by the Financial Management Division, Budget Section, provides funding authority for the services described. Actual availability of funds and the monitoring of actual expenditures must be determined by the Division Head.

**Project Accounting:**

DocuSigned by:  
Norfa Lanuza      12/11/2018  
3BAB63AE0208114      Signature      Date

**Director:**

Requires Transportation Board Presentation

Does not require Transportation Board presentation

DocuSigned by:  
Randy Mayhew      12/11/2018  
C4C7CE5CD588114      Signature      Date

709-18-016

**Attachments:**

Budget by Organization Report (Report No. NBDM30) attached here:



If Amendment, attach original Agreement here:

Any additional information to attach: Yes

**Purpose of, and Justification for, Budget Request:**

The DEPARTMENT requires a SERVICE PROVIDER on an as-needed basis, statewide, for contamination assessment and remediation services in response to hazardous and non-hazardous material releases, illicit material releases, illegal dumping, routine scheduled maintenance procedures, or any related environmental concerns within or adjacent to the DEPARTMENT's right-of-way. The SERVICE PROVIDER will respond urgently to highway material releases to reduce the amount of time they impact traffic and the environment. Quick incident response and cleanup will advance the DEPARTMENT's goals to reduce congestion, incident clearance times, and secondary crashes. The current contract expires June 30th, 2019. This contract will begin July 1st, 2019 and continue services for cleanup, classification, packaging, source removal, transportation, storage, waste disposal, associated regulatory agency reporting, and other related activities associated with material releases that the DEPARTMENT does not have the staff, training, or equipment to perform.

**Scope of Services:**

The SERVICE PROVIDER will be on call 24 hours per day, 365 days per year and carry the necessary qualifications, licensing, certifications, and experience in accordance with all applicable local, state and federal ordinances, rules, regulations and laws to respond to diverse material releases that may occur on Nevada Highways. The SERVICE PROVIDER will be required to respond to incidents within the time frames specified by the DEPARTMENT. When needed the SERVICE PROVIDER will implement traffic control in accordance with state and federal regulations. The SERVICE PROVIDER will also be responsible for documenting and defending records of cleanups they have performed and reporting releases of reportable quantities to the corresponding regulatory agency. The DEPARTMENT shall guarantee payment for services inside DEPARTMENT right-of-way in the event the responsible party is not identified. In the event the responsible party is identified, the SERVICE PROVIDER shall be responsible for obtaining full payment from the responsible party. The SERVICE PROVIDER will be responsible for electing representatives to attend Traffic Incident Management (TIM) Coalition meetings, submitting invoices in the format specified by the DEPARTMENT, and providing summary's and timelines of incidents to the DEPARTMENT. See attached SOW for additional details.



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

**MEMORANDUM**

**May 1, 2019**

**TO:** Thor Dyson, P.E., Assistant Director  
**FROM:** LaShonn Ford, Project Manager  
**SUBJECT:** Negotiation Summary for RFP 709-18-016  
Nevada Emergency Response Statewide Hazmat Program

---

On April 23,2019, a negotiation meeting for the Nevada Emergency Response Statewide Hazmat Program was held at the Association of General Contractors Building & Training Center in Reno, Nevada between Clean Harbors Environmental and NDOT Traffic Operations. The following personnel were in attendance:

Juan Hernandez	NDOT Traffic Operations
LaShonn Ford	NDOT Traffic Operations
Thomas Fay	Clean Harbors Environmental Services Inc.
Shawna Franceschini	Clean Harbors Environmental Services Inc.
Corey Harbart	Clean Harbors Environmental Services Inc.
Shane Molloy	Clean Harbors Environmental Services Inc.
David Pickering	Clean Harbors Environmental Services Inc.

The scope includes on-call services, statewide, for contamination assessment and remediation services in response to hazardous spills or illicit material releases, any type of contaminant directly effecting a water way, illegal dumping, or any related environmental concerns within or adjacent to the Department’s right-of-way. The Department does not have the manpower and expertise to properly assess, contain, dispose, and report hazardous materials in accordance with all applicable local, state and federal laws, rules, and regulations. By having the Nevada Emergency Response Hazmat Program in-place, this will result in expedited incident clearance times, reduced travel delay, improved safety, and spill sites will be restored to pre-existing conditions in accordance with all applicable local, state and federal laws, rules, and regulations.

The scope of services that are to be provided by the Service Provider were reaffirmed by both parties at the outset. The duration of this agreement will be for four (4) years from 7/1/19 to 6/30/2023 and has a zero percent (0%) Disadvantage Business Enterprise Goal.

The negotiations yielded the following:

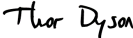
1. Specific rates of compensation for each labor classification, which includes complete compensation for direct and indirect costs, overhead expenses, and fixed fee.
2. No surcharge fees for overtime, emergency response incidents, holidays, and weekends.
3. No prevailing wage rate requirements.
4. No personal protective equipment fees.
5. No miscellaneous items and incidental fees.
6. No waste documentation preparation fees for labels, manifests/bills of lading, and profiles.

The contract has a budget of \$500,000.00 and will utilize the specific rates of compensation method, which means the SERVICE PROVIDER will be paid at an agreed and supported hourly rate for each class of employee engaged directly in the work. This program is unique in that it allows the Department to activate the Service Provider for emergency response cleanup services, the responsible party is billed for these services, and the Department only pays when the responsible party cannot be identified.

The key personnel dedicated to this project are as follows:

Name	Title
Corey Harbart	Technical Services Account Manager
Ryan Shields	Project Manager – Southern NV
Brian Manning	Project Manager – Northern NV

Reviewed and Approved:

DocuSigned by:  
  
DEE1C18490EE4BD

\_\_\_\_\_  
Thor Dyson, PE  
Assistant Director of Operations

## **Attachment A Scope of Services**

### **I. BACKGROUND**

The DEPARTMENT implemented the Nevada Emergency Response Statewide Hazmat Program to provide quick clearance of hazmat spills or illicit material releases which are located within or adjacent to the DEPARTMENT's right-of-way. The program allows for the cleanup, classification, packaging, source removal, transportation, waste disposal, associated regulatory agency reporting, and other related activities associated with hazmat spills which the DEPARTMENT does not have the manpower to perform.

The program is unique in that it allows the DEPARTMENT to activate the SERVICE PROVIDER, which expedites the incident clearance time, reduces travel delay, improves safety, and restores the incident location to pre-existing conditions in accordance with all applicable local, state and federal laws, rules, and regulations.

The SERVICE PROVIDER shall be available on an as-needed basis, statewide, for remediation services in response to hazmat spills, illicit material releases, illegal dumping, or any related environmental concerns within or adjacent to the DEPARTMENT's right-of-way. The cleanup, classification, packaging, removal, transportation, storage, waste disposal, documentation, and associated reporting shall comply with all applicable local, state and federal laws, rules, and regulations to include but not be limited to 40 CFR 260 and 49 CFR 171.

### **II. DEFINITIONS**

- A. Hazardous materials (hazmats) are solids, liquids, or gases that can cause health or physical harm to people, other living organisms, or the environment when released, intentionally or otherwise. Hazmats can be found in many forms such as petroleum-related materials, bulk chemicals, manufacturing materials, septic waste, or everyday common products.
- B. Illicit materials are substances that are discharged or have the potential to discharge into a receiving waterway or storm sewer system that is not comprised entirely of storm water runoff.
- C. SPILLER is the responsible party or owner of the vehicle, cargo, or property which caused the hazmat spill or illicit material release regardless of the party at fault for the incident. Per NRS 484B.443 Subsection 2, all costs incurred for the cleanup, classification, packaging, removal, transportation, storage, waste disposal, documentation, and associated reporting shall be borne by the owner of the vehicle, cargo, or property.
- D. Reportable releases are defined as:
  - 1. Any substance in any material form (e.g. gas, liquid or solid) that cannot be positively identified; or
  - 2. Any petroleum product (e.g., diesel, gasoline, hydraulic fluid) released in quantities greater than 25 gallons or whose release impacts more than 3 cubic yards of soil/material; or
  - 3. Illicit material releases regardless of any quantity, hazmat spills regardless of any quantity that affects a waterway, and reportable quantities of any hazmat as defined by table 302.4 in 40 CFR 302.4

### **III. GENERAL REQUIREMENTS**

- A. The SERVICE PROVIDER shall assign one project manager who will serve as the point of contact for the DEPARTMENT's Project Manager for the life of the contract.
- B. The SERVICE PROVIDER shall provide traffic control, when necessary, and shall conform to the requirements of the most current version of the Manual on Uniform Traffic Control Devices and Nevada Department of Transportation Standard Plans for Road and Bridge Construction.
- C. The SERVICE PROVIDER is required to train all field personnel as part of this contract in accordance with the four (4) hour SHRP2 Traffic Incident Management (TIM) training by December 31, 2019. All field personnel will also be required to complete two (2) hour refresher courses annually. The SERVICE PROVIDER will submit documentation of course completion to the DEPARTMENT by the second week of January each year.
- D. The SERVICE PROVIDER shall ensure one or more representatives are present at all Nevada Traffic Incident Management meetings, Hazmat Coordination meetings, and any other meeting at the DEPARTMENT's request for the life of the contract.
- E. The SERVICE PROVIDER shall have the necessary qualifications, licenses, and certifications to secure and contain hazmat spills in accordance with all applicable local, state and federal ordinances, rules, regulations and laws.
- F. The SERVICE PROVIDER's remedial action plans shall include the requisite methods to manage and dispose of the spilled or released material. The SERVICE PROVIDER will not be allowed to store waste on DEPARTMENT right-of-way other than during the initial response cleanup.
- G. The SERVICE PROVIDER will be required to restore the incident site to pre-contaminated conditions in compliance with the most current version of the DEPARTMENT's Standard Specifications for Road and Bridge Construction and the DEPARTMENT's Standard Plans for Road and Bridge Construction.
- H. The SERVICE PROVIDER shall maintain, furnish, discuss, and defend all records and reports covering each task assignment as required by the DEPARTMENT and relevant regulatory authority. The records and reports shall be of the type and form acceptable to the DEPARTMENT and relevant regulatory authority.
- I. Releases of reportable quantities of regulated materials shall be reported to the relevant regulatory authority within 24 hours. Subsequent remedial activities including extent of cleanup are subject to the approval from the DEPARTMENT and relevant regulatory authority.

### **IV. INCIDENT RESPONSE**

- A. The SERVICE PROVIDER shall be available on-call for emergency response hazmat cleanup services twenty-four hours per day three hundred sixty-five days per year. For invoicing purposes, the DEPARTMENT shall be the only agency allowed to activate the SERVICE PROVIDER.

- B. Urban areas are defined as being within 30 miles from the I-15/I-515/US-95 Spaghetti Bowl in Las Vegas and the I-80/I-580/US-395 Spaghetti Bowl in Reno. Upon activation, the SERVICE PROVIDER shall respond to the scene within one (1) hour to secure and contain the hazmat spill or illicit material release and execute a remedial action plan.
- C. Intermediate areas are defined as being between 30 and 60 miles from the I-15/I-515/US-95 Spaghetti Bowl in Las Vegas and the I-80/I-580/US-395 Spaghetti Bowl in Reno. Upon activation, the SERVICE PROVIDER shall respond to the scene within two (2) hours to secure and contain the hazmat spill or illicit material release and execute a remedial action plan.
- D. Rural areas are defined as being greater than 60 miles from the I-15/I-515/US-95 Spaghetti Bowl in Las Vegas and the I-80/I-580/US-395 Spaghetti Bowl in Reno. Upon activation, the SERVICE PROVIDER shall respond to the scene within three (3) to secure and contain the hazmat spill or illicit material release and execute a remedial action plan.

## **V. INVOICING**

- A. The SERVICE PROVIDER shall submit to the DEPARTMENT invoices in accordance with Attachment B – Cost Proposal and Attachment C – Regional Rate Sheet.
- B. The DEPARTMENT will not pay for items not specified in Attachment C – Regional Rate Sheet unless approved in writing by the DEPARTMENT prior to the work being performed.
- C. The DEPARTMENT will only guarantee payment when the SPILLER is not identified. In the event the SPILLER is known, the SERVICE PROVIDER shall be responsible for obtaining full payment from the SPILLER in accordance with NRS 484B.443 Subsection 2.
- D. When the SPILLER is unknown, the SERVICE PROVIDER shall submit to the DEPARTMENT one complete invoice per activation event. Additional invoices will not be authorized unless approved in writing by the DEPARTMENT prior to the work being performed.
- E. The SERVICE PROVIDER shall provide clear and legible backup documentation for all invoices. If the DEPARTMENT deems the backup documentation to be unacceptable (ex. not legible or incomplete), the DEPARTMENT will withhold payment until proper documentation is received from the SERVICE PROVIDER.

## **VI. PERFORMANCE REPORTS**

- A. The SERVICE PROVIDER shall develop, provide, and maintain electronic monthly performance reports summarizing all incident activations and cumulative totals for the state fiscal year. The SERVICE PROVIDER shall submit the reports to the DEPARTMENT's Project Manager by the Seventh (7<sup>th</sup>) day following the end of every month and shall include, but not be limited to the following information:
  - 1. Date and time
  - 2. Mile post and direction
  - 3. Type and incident description
  - 4. NDEP Spill Report Number
  - 5. SPILLER information
  - 6. Invoice Number and Cost
  - 7. Comment and Status



## **INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM**

The purpose of the Disclosure of Ownership/Principals Form is to gather ownership information pertaining to the business entity for use by the Nevada Department of Transportation (“NDOT”) to determine compliance with Nevada Revised Statute 281A.430, contracts in which a public officer or employee has interest is prohibited.

Completion and submission of this Form is a condition of approval or renewal of a contract or lease and/or release of monetary funding between the disclosing entity and the NDOT. Failure to submit the requested information may result in a refusal by NDOT to enter into an agreement/contract and/or release monetary funding to such non-disclosing business entity.

### **Detailed Instructions**

All sections of the Disclosure of Ownership/Principals form must be completed. If not applicable, write N/A in the space provided.

***Business Entity Type*** – Indicate if the entity is Sole Proprietor, Partnership, Limited Liability Company, Corporation, Trust, Non-Profit Organization, or Other. When selecting ‘Other’, provide a description of the legal entity.

***Business Name (include d.b.a., if applicable)*** – Enter the legal name of the business entity and enter the “Doing Business As” (d.b.a.) name, if applicable.

***Corporate/Business Address, Business Telephone, Business Fax, and Email*** – Enter the street address, telephone and fax numbers, and email of the named business entity.

***Nevada Local Business Address, Local Business Telephone, Local Business Fax, and Email*** – If business entity is out-of-state, but operates the business from a location in Nevada, enter the Nevada street address, telephone and fax numbers, point of contact and email of the local office. Please note that the local address must be an address from which the business is operating from that location. Please do not include a P.O. Box number, unless required by the U.S. Postal Service, or a business license hanging address.

***Number of Nevada Residents employed by this firm. (Do not leave blank. If none or zero, put the number 0 in the space provided.)***

***List of Owners/Officers*** – Include the full name, title and percentage of ownership of each person who has ownership or financial interest in the business entity. If the business is a publicly-traded corporation or non-profit organization, list all Corporate Officers and Directors only.

***Signature and Print Name*** – Requires signature of an authorized representative and the date signed

***Disclosure of Relationship Form*** – If any individual members, partners, owners or principals of the business entity is presently a NDOT employee, public officer or official, or has a second degree of consanguinity or affinity relationship to a NDOT employee, public officer or official, this section must be completed in its entirety.

# DISCLOSURE OF OWNERSHIP/PRINCIPALS

**1. Business Entity Type (Please select one)**

- Sole Proprietorship
- Partnership
- Limited Liability Company
- Corporation
- Trust
- Non-Profit Organization
- Other

**2. Are you a publicly-traded corporation?**  Yes  No

**3. Number of Nevada Residents Employed (Do Not Leave Blank):**

**4. Corporate/Business Entity Name (Include d.b.a., if applicable):**

**5. Corporate/Business Entity Street Address:**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Telephone and Fax No.</b>	<b>Email:</b>

**6. Nevada Local Business Street Address (If different from above):**

<b>Street Address:</b>	<b>Website:</b>
<b>City, State and Zip Code:</b>	<b>Point of Contact Name:</b>
<b>Local Telephone and Fax No.</b>	<b>Email:</b>

**6. List of Owners/Officers**

All business entities\*, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest.

<b>Full Name</b>	<b>Title</b>	<b>% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)</b>
Alan S. McKim	Director	
Eric W. Gerstenberg	President and Chief Operating Officer	
Michael Battles	Executive Vice President & CFO	
Brian Weber	Executive Vice President	
Michael Twohig	Executive Vice President	
George L. Curtis	Executive Vice President	
Robert Speights	Executive Vice President	
Barry Fogle	Executive Vice President	
Jeffrey Knapp	Executive Vice President	
Sharon Gabriel	Executive Vice President	
Kevin Riding	Executive Vice President	
Loan Mansy	Executive Vice President	
Gregory Malerbi	Senior Vice President and Treasurer	
Eric J. Dugas	Vice President	
Michael R. McDonald	SVP, General Counsel & Assistant Secretary	
C. Michael Malm	Secretary	

\*Business entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

# DISCLOSURE OF RELATIONSHIP FORM

**\*\*\*This section is not required for publicly-traded corporations\*\*\***

## **Purpose:**

1. Disclose any individual members, partners, owners or principals involved in the business entity that is a NDOT full-time employee(s) or appointed/elected official(s).

In accordance with NRS 281A.430.1, a public officer or employee shall not bid on or enter into a contract between a government agency and any private business in which he has a significant financial interest, except as otherwise provided in that statute.

2. Disclose any individual members, partners, owners or principals involved in the business entity with a first or second degree of consanguinity, or affinity relation to a NDOT full-time employee(s) or appointed/elected official(s) (reference the *Definition* section below).

## **Definitions:**

*Consanguinity* is a relationship by blood.

*Affinity* is a relationship by marriage.

*First and Second degree of consanguinity* applies to the candidate's first and second degree of blood relatives as follows:

- First Degree: Spouse – Registered Domestic Partners – Children – Parents – In-laws
- Second Degree: Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws

## **Disclosure of Relationship:**

If "YES" is selected for any of the following questions, the Disclosure of Relationship form must be completed (see Page 5).

1. Are any individual members, partners, owners or principals involved in the business entity a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

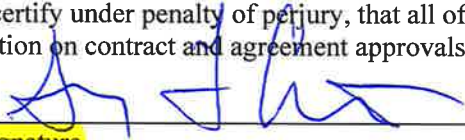
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes  No

List any disclosures below (mark N/A, if not applicable.):

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
N/A publicly traded corporation			

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that NDOT may not take action on contract and agreement approvals without the completed disclosure form.

  
 \_\_\_\_\_  
 Signature

George L. Curtis  
 \_\_\_\_\_  
 Print Name

Executive Vice President- Pricing & Proposals  
 \_\_\_\_\_  
 Title

4/22/19  
 \_\_\_\_\_  
 Date

**For NDOT Use Only:**

If any Disclosure of Relationship is noted above, please complete the following:

- Yes  No Is the NDOT employee(s) noted above involved in the contracting/selection process for this particular item?
- Yes  No Is the NDOT employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Print Name  
 Authorized NDOT Representative



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

## MEMORANDUM

June 7, 2019

**TO:** Department of Transportation Board of Directors  
**FROM:** Kristina L. Swallow, Director  
**SUBJECT:** June 17, 2019, Transportation Board of Directors Meeting  
**ITEM #10:** Contracts, Agreements, and Settlements – Informational Item Only

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### **Summary:**

The purpose of this item is to inform the Board of the following:

- Agreements under \$300,000 executed April 17, 2019, through May 14, 2019.

Any emergency agreements authorized by statute will be presented here as an informational item.

### **Background:**

Pursuant to NRS 408.131(5), the Transportation Board has authority to “[e]xecute or approve all instruments and documents in the name of the State or Department necessary to carry out the provisions of the chapter”. Additionally, the Director may execute all contracts necessary to carry out the provisions of Chapter 408 of NRS with the approval of the board, except those construction contracts that must be executed by the chairman of the board. Other contracts or agreements not related to the construction, reconstruction, improvement and maintenance of highways must be presented to and approved by the Board of Examiners. This item is intended to inform the Board of various matters relating to the Department of Transportation but which do not require any formal action by the Board.

The Department contracts for services relating to the construction, operation and maintenance of the State’s multi-modal transportation system. Contracts listed in this item are all low-bid per statute and executed by the Governor in his capacity as Board Chairman. The projects are part of the STIP document approved by the Board. In addition, the Department negotiates settlements with contractors, property owners, and other parties to resolve disputes. These proposed settlements are presented to the Board of Examiners, with the support and advisement of the Attorney General’s Office, for approval. Other matters included in this item would be any emergency agreements entered into by the Department during the reporting period.

The attached agreements were executed by the Department from April 17, 2019, through May 14, 2019. There were no contracts or settlements during the reporting period.

**Analysis:**

These contracts have been executed following the Code of Federal Regulations, Nevada Revised Statutes, Nevada Administrative Code, State Administrative Manual, and/or Department policies and procedures.

**List of Attachments:**

- A) State of Nevada Department of Transportation Executed Agreements – Informational, April 17, 2019, through May 14, 2019.

**Recommendation for Board Action:** Informational item only

**Prepared by:** Administrative Services Division

# Attachment

# A



State of Nevada Department of Transportation  
Executed Agreements - Informational  
April 17, 2019 through May 14, 2019

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Amendment Amount	Total of Prior Amendments	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Notes
1	21219	00	NV ENERGY	LINE EXTENSION	N	2,048.00	-		2,048.00	-	05/09/2019	05/31/2024	-	Facility	Right-of-Way	Cole	05-09-19: LINE EXTENSION AGREEMENT FOR LIGHTING THE UNDERSIDE OF THE STRUCTURE OF THE I-80 OVERPASS AT THE GIROUX STREET AND MELARKEY STREET INTERCHANGE , HUMBOLDT COUNTY. NV B/L#: NVD19831015840.
2	25119	00	LINCOLN COUNTY	FAA GRANT REIMBURSEMENT	N	3,787.99	-		3,787.99	-	05/03/2019	06/30/2019	-	Grantee	Planning	Sondra	05-03-19: PARTIAL REIMBURSEMENT TO UNDERTAKE AND COMPLETE A RAMP RECONSTRUCTION AND PAVEMENT PROJECT, AS WELL AS, REPLACE A WEATHER REPORTING SYSTEM FOR THE AIRPORT, LINCOLN COUNTY. NV B/L#: EXEMPT
3	11019	00	BOARD OF REGENTS, NEVADA	INSTALL OPTICAL DRIFT SENSOR	N	49,000.00	-		49,000.00	-	04/22/2019	12/31/2020	-	Interlocal	Maintenance & Asset Management	Thor	04-22-19: INSTALLMENT OF AN OPTICAL DRIFT SENSOR FOR RAPID POST-EARTHQUAKE BRIDGE RESPONSE DATA, WASHOE COUNTY. NV B/L#: EXEMPT
4	49818	00	NEVADA DEPARTMENT OF AGRICULTURE	NEVADA DEPARTMENT OF AGRICULTURE POSITION	N	955,000.00	-		955,000.00	-	05/07/2019	06/30/2029	-	Interlocal	Environmental	Cole	05-07-19: FUND A POSITION, SUPERVISED BY NEVADA DEPARTMENT OF AGRICULTURE (NDA) NOXIOUS WEEDS PROGRAM MANAGER, TO ENSURE THAT ALL WEED MITIGATION PLANS SUBMITTED BY CONTRACTORS TO NDOT, UNDER LAW, FOR HIGHWAY INFRASTRUCTURE PROJECTS ARE APPROPRIATE AND FOLLOWED; AND TO ASSIST IN DEVELOPING AND PROVIDING EDUCATIONAL MATERIALS AND TRAININGS TO NDOT STAFF, STATEWIDE. NV B/L#: EXEMPT
5	18019	00	NSHE, UNR	EMPLOYEE SATISFACTION SURVEY	N	9,965.00	-		9,965.00	-	05/01/2019	08/19/2019	-	Interlocal	Human Resources	Robert	05-01-19: ADMINISTRATION OF THE DEPARTMENT'S ANNUAL EMPLOYEE SATISFACTION SURVEY, RESPONSE COMPILATION, AND FINAL REPORT, STATEWIDE. NV B/L#: EXEMPT
6	15919	00	J.C.R. DEVELOPMENT, LLC	OFFICE LEASE	N	30,000.00	-		30,000.00	-	04/23/2019	04/30/2020	-	Lease	District III	Tracy/Boyd	04-23-19: OFFICE LEASE FOR CONSTRUCTION CREW C918 DURING THE CONSTRUCTION PROJECTS OF 3R CONTRACT #3760 AND CMAR PROJECT #60810, WHITE PINE COUNTY. NV B/L#: NVD20041310680
7	48017	00	A&K EARTH MOVERS, INC.	REHABILITATE ROUNDABOUT	N	81,000.00	-		81,000.00	-	04/16/2018	12/31/2019	-	Service Provider	District II	Tracy/Mike	04-16-18: REHABILITATION OF THE FERNLEY ROUNDABOUT ON US 50A AT LY 15.44 FOR THE SAFETY OF THE TRAVELING PUBLIC, LYON COUNTY. NV B/L#: NVD19651001305-Q PROPOSALS: A&K EARTH MOVERS INC., GRANITE CONSTRUCTION, MKD CONSTRUCTION INC., AND SPANISH SPRINGS CONSTRUCTION INC.
8	59518	00	ASSETWORKS, LLC	M5 FLEET FOCUS SOFTWARE	N	261,446.00	-		261,446.00	-	04/23/2019	06/30/2023	-	Service Provider	Information Technology	Robert	04-23-19: REPLACE THE EQUIPMENT DIVISION'S M4 FLEETFOCUS SYSTEM WITH AN M5 FLEETFOCUS CLOUD SYSTEM. FLEETFOCUS IS A FLEET MANAGEMENT SOFTWARE SOLUTION THAT PROVIDES COMPLETE VEHICLE EQUIPMENT LIFE-CYCLE MANAGEMENT, INCLUDING BUDGETING, ACQUISITION, CAPITAL IMPROVEMENT, AND DISPOSAL MANAGEMENT, CARSON CITY COUNTY. NV B/L#: NVF20091046759-S
9	14519	00	BRAMCO CONSTRUCTION CORP.	REMOVE FUEL STORAGE TANK	N	45,336.00	-		45,336.00	-	05/13/2019	06/30/2020	-	Service Provider	Architecture	Thor	05-13-19: REMOVAL OF AN UNDERGROUND FUEL STORAGE TANK AT THE YERINGTON MAINTENANCE STATION AS PART OF THE STATEWIDE FUEL STATION UPGRADE PROGRAM, LYON COUNTY. NV B/L#: NVD19811010649-Q PROPOSALS: BRAMCO CONSTRUCTION CORP.
10	19416	01	CLEAN HARBORS ENVIRONMENTAL SERVICES	CULVERT CLEANING	N	674,385.30	225,000.00		899,385.30	-	07/18/2017	12/31/2019	05/10/2019	Service Provider	Maintenance & Asset Management	Thor	AMD 1 05-10-19: INCREASE AUTHORITY BY \$225,000.00 FROM \$674,385.30 TO \$899,385.30, TO ADD ADDITIONAL CULVERTS TO THE SCOPE OF SERVICES AND FOR THE CONTINUATION OF SERVICES.  06-12-17: PROVIDE CULVERT CLEANING SERVICES IN THE LAKE TAHOE BASIN AND WASHOE VALLEY SYSTEM. SERVICE PROVIDER MUST BE ENVIRONMENTALLY SENSITIVE TO THE REQUIREMENTS OF WASTE DISPOSAL NECESSARY TO SUCCESSFULLY, SAFELY, AND EFFICIENTLY CLEAN CULVERTS IN THE TAHOE BASIN, CARSON CITY, DOUGLAS AND WASHOE COUNTIES. NV B/L#: NVF20021375471-R
11	15519	00	CONLEY ENTERPRISES, INC. DBA	STORMWATER DRAINAGE IMPROVEMENT	N	27,162.00	-		27,162.00	-	05/13/2019	05/31/2019	-	Service Provider	District III	Tracy/Boyd	05-13-19: STORMWATER DRAINAGE IMPROVEMENTS IN THE CONTACT MAINTENANCE YARD FOR PUBLIC SAFETY, ELKO COUNTY. NV B/L#: NVD20061548971-Q PROPOSERS: CONLEY ENTERPRISES, INC., LAMOILLE FENCING, ACHA CONSTRUCTION, LLC
12	18319	00	DOWN TO EARTH LANDSCAPING, LLC	LANDSCAPE/XERISCAPE SERVICES	N	13,130.00	-		13,130.00	-	05/01/2019	06/30/2019	-	Service Provider	Buildings and Grounds	Robert	05-01-19: XERISCAPING THE FINAL SECTION OF THE SOUTH SIDE OF THE NDOT HEADQUARTERS BUILDING LOCATED AT 1263 SOUTH STEWART STREET, CARSON CITY. NV B/L# NVD20141471461-Q
13	13819	00	FLOORS-N-MORE, LLC DBA	INSTALL CARPET IN DISTRICT I	N	11,357.62	-		11,357.62	-	04/23/2019	09/30/2019	-	Service Provider	Architecture	Thor	04-23-19: INSTALLATION OF CARPET IN THE DEPARTMENT'S BUILDING 'G' AT THE LAS VEGAS MAINTENANCE STATION IN PREPARATION OF USING THE OFFICE FOR DEPARTMENT PERSONNEL, CLARK COUNTY. NV B/L#: NVD20001098786-Q PROPOSERS: FLOORS-N-MORE, LLC DBA CARPETS-N-MORE, LLC

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Amendment Amount	Total of Prior Amendments	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Notes
14	25319	00	JONES WEST FORD	ENGINE REPLACEMENT	N	20,000.00	-		20,000.00	-	05/08/2019	07/01/2019	-	Service Provider	Equipment	Thor	05-08-19: REPLACE ENGINE IN UNIT 3313, 2008 FORD F450, TO BRING THIS UNIT INTO WORKING CONDITION, WASHOE COUNTY. NV B/L#: NVD19771001026
15	17419	00	MARSHALL'S SEPTIC CARE, LLC	SEPTIC PUMPING SERVICES	N	120,240.00	-		120,240.00	-	05/08/2019	11/30/2021	-	Service Provider	District III	Tracy/Boyd	05-08-19: SEPTIC PUMPING SERVICES FOR SEPTIC TANK SYSTEMS AND VAULT TOILETS AT VARIOUS REST AREAS AND MAINTENANCE STATION LOCATIONS, ELKO AND EUREKA COUNTIES. NV B/L#: NVD20131068662-Q PROPOSERS: MARSHALL'S SEPTIC CARE, LLC
16	01918	02	RANGER CONSTRUCTION, INC.	EQUIPMENT SHOP LIFT FOUNDATION	N	76,000.00	28,320.00		104,320.00	-	04/04/2018	12/31/2019	05/13/2019	Service Provider	Architecture	Thor	AMD 2 05-13-19: INCREASE AUTHORITY BY \$28,320.00 FROM \$76,000.00 TO \$104,320.00 DUE TO ADDITIONAL SCOPE OF SERVICES TO RELOCATE CIRCUITS, BACKFILL TRENCH, ADD PLATE COVER, AND REPLACE ALL TITEN ANCHORS WITH DROP-IN ANCHORS.  AMD 1 01-22-19: EXTEND TERMINATION DATE FROM 01-31-19 TO 12-31-19 DUE TO AN UNFORESEEN NEED TO REDESIGN STRUCTURAL CALCULATIONS, WHICH WILL SIGNIFICANTLY DELAY CONSTRUCTION.  04-04-18: CONSTRUCTION OF THE DISTRICT II HEADQUARTERS EQUIPMENT SHOP LIFT FOUNDATIONS, WASHOE COUNTY. NV B/L#: NVD20021491295-Q
17	11419	00	SIMERSON CONSTRUCTION, LLC	HVAC UPGRADES	N	104,690.00	-		104,690.00	-	05/13/2019	03/21/2020	-	Service Provider	Architecture	Thor	05-13-19: UPGRADES TO THE HVAC SYSTEM FOR THE COMPUTER TRAINING ROOM AT THE DEPARTMENT'S NORTH ANNEX BUILDING TO CORRECT CONTINUAL FLUCTUATIONS IN TEMPERATURES WITHIN TWO SEPARATE OFFICE AREAS, CARSON CITY. NV B/L#: NVD20151046029-Q PROPOSERS: SIMERSON CONSTRUCTION, LLC

NO COST AGREEMENTS AND/OR AMENDMENTS																	
Line No.	Agreement No	Amend No	Contractor	Purpose	Fed	Original Agreement Amount	Amendment Amount	Total of prior Amendments	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Notes
18	18119	00	CHURCHILL COUNTY	ROLES AND RESPONSIBILITIES	N	-	-		-	-	04/18/2019	12/31/2023	-	Coop	Design	Cole	04-18-19: <b>NO COST AGREEMENT</b> FOR DESIGNATION OF ROLES AND RESPONSIBILITIES FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF THE PROJECT ON US 50 AND SHECKLER ROAD TO INSTALL A NEW SIGNAL AND PERFORM SIGNING AND STRIPING, CHURCHILL COUNTY. NV B/L#: EXEMPT
19	74718	00	CITY OF LAS VEGAS	ROAD TRANSFER	N	-	-		-	-	05/07/2019	-	-	Coop	Planning	Sondra	05-07-19: <b>NO COST AGREEMENT</b> TO ACCOMMODATE CERTAIN ROADWAY TRANSFERS, INCLUDING OWNERSHIP, EITHER BY FEE, PERMIT, OR PRESCRIPTIVE IN NATURE, AND MAINTENANCE RESPONSIBILITIES BETWEEN THE DEPARTMENT AND THE CITY, CLARK COUNTY. NV B/L#: EXEMPT
20	16919	00	CITY OF RENO	RIGHTS AND RESPONSIBILITIES	N	-	-		-	-	05/06/2019	12/31/2023	-	Coop	Project Management	Cole	05-06-19: <b>NO COST AGREEMENT</b> TO COMPLETE PHASE 1 OF IMPROVEMENTS THAT ARE DETAILED IN THE SPAGHETTI BOWL ENVIRONMENTAL IMPACT STATEMENT (EIS), OTHERWISE KNOWN AS THE SPAGHETTI BOWL XPRESS (SBX), WHICH CONSISTS OF RESTRIPIING AND SIGNING EASTBOUND I-80 SO THAT TWO (2) LANES ARE DEDICATED TO I-580 EXIT; REVISE THE WELLS AVENUE ENTRANCE RAMP TO EASTBOUND I-80 TO A PARALLEL ENTRANCE AND METERED; WIDEN THE EASTBOUND I-80 TO SOUTHBOUND I-580 RAMP TO TWO (2) LANES; RESTORE THE THIRD SOUTHBOUND I-580 LANE AT THE SPAGHETTI BOWL; AND PROVIDE SOUTHBOUND I-580 LANE BALANCE BETWEEN I-80 AND THE VILLANOVA EXIT, WASHOE COUNTY. NV B/L#: EXEMPT
21	64916	03	RTC SOUTHERN NEVADA	BOULDER HIGHWAY CORRIDOR STUDY	Y	300,000.00	-		300,000.00	-	02/09/2017	12/31/2019	05/14/2019	Coop	Planning	Sondra	AMD 3 05-14-19: <b>NO COST AMENDMENT</b> TO EXTEND TERMINATION DATE FROM 06-30-19 TO 12-31-19 TO ENSURE SUFFICIENT TIME FOR THE COMPLETION OF THE PROJECT.  AMD 2 11-15-18: EXTEND TERMINATION DATE FROM 12-31-18 TO 06-30-19 DUE TO AN EXTENSION REQUEST FROM RTC.  AMD 1 EXTEND TERMINATION DATE FROM 03-31-18 TO 12-31-18 TO ENSURE SUFFICIENT TIME FOR THE COMPLETION OF THE PROJECT.  02-09-17: SR 582 BOULDER HIGHWAY CORRIDOR STUDY, CLARK COUNTY. NV B/L#: EXEMPT
22	21019	00	COX COMMUNICATIONS	FORM 714 PULL BOX AGREEMENT	N	-	-		-	-	05/13/2019	05/31/2024	-	Facility	Right-of-Way	Cole	05-13-19: <b>NO COST AGREEMENT</b> FOR FORM 714 PULL BOX AT TROPICANA AVENUE FROM MARYLAND PARKWAY TO BOULDER HIGHWAY FOR MILL AND OVERLAY, AND ADA IMPROVEMENTS, CLARK COUNTY. NV B/L#: NVF19981315619.
23	21319	00	NV ENERGY	DESIGN APPROVAL	N	-	-		-	-	05/09/2019	05/31/2024	-	Facility	Right-of-Way	Cole	05-09-19: <b>NO COST DESIGN APPROVAL AGREEMENT</b> ON US 95 AT WEST 4TH STREET TO INSTALL PEDESTRIAN AND ROAD SAFETY IMPROVEMENTS, HUMBOLDT COUNTY. NV B/L#: NVD19831015840.
24	05319	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 6402 RANGE ROAD TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
25	05419	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'X' 1329+90.00 260' RT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
26	05519	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'X' 1331+10.00 370' LT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
27	05619	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 6215 CHRISTY LANE TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
28	05719	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	05/01/2019	04/30/2020	-	Facility	Right-of-Way	Cole	05-01-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'CC-215' 293+30.00 100 RT FOR A SYSTEM UPGRADE AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
29	05919	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT CC-215' 293+00.00 125' RT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
30	20019	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'TP' 1330+10.00 290' RT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
31	20519	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 5970 RANGE ROAD TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
32	05819	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	05/01/2019	04/30/2020	-	Facility	Right-of-Way	Cole	05-01-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'C-215' 263+40.00 110' LT FOR A SYSTEM UPGRADE AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840

NO COST AGREEMENTS AND/OR AMENDMENTS																	
Line No.	Agreement No	Amend No	Contractor	Purpose	Fed	Original Agreement Amount	Amendment Amount	Total of prior Amendments	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Notes
33	20119	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT 'TP' 20+00.00 45' LT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
34	20319	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	04/29/2019	04/30/2024	-	Facility	Right-of-Way	Cole	04-29-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT CC-215' 293+15.00 100' RT TO UPGRADE A SYSTEM AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840
35	20419	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-		-	-	05/01/2019	04/30/2020	-	Facility	Right-of-Way	Cole	05-01-19: <b>NO COST DESIGN INITIATION AGREEMENT</b> AT "X" 1331+00.00 355' LT FOR A SYSTEM UPGRADE AS PART OF THE CC215 WIDENING PROJECT, CLARK COUNTY. NV B/L#: NVD19831015840.
36	21119	00	NV ENERGY	DESIGN APPROVAL AGREEMENT	N	-	-		-	-	05/09/2019	05/31/2024	-	Facility	Right-of-Way	Cole	05-09-19: <b>NO COST DESIGN APPROVAL AGREEMENT</b> FOR SR 289 INTERCHANGE AT WEST WINNEMUCCA BOULEVARD, MELARKEY STREET, AND EAST WINNEMUCCA BOULEVARD FOR AESTHETIC AND LIGHTING IMPROVEMENTS FOR PEDESTRIAN TRAFFIC SAFETY, HUMBOLDT COUNTY. NV B/L#: NVD19831015840.
37	19019	00	DAVID TRUE	EMPLOYEE HOUSE LEASE	N	2,900.00	-		-	2,900.00	04/22/2019	04/22/2023	-	Lease	District I	Tracy/Mary	04-22-19: <b>NO COST EMPLOYEE LEASE</b> OF HOUSE #3 AT BLUE JAY MAINTENANCE STATION, NYE COUNTY. NV B/L#: EXEMPT
38	50014	01	DIVISION OF STATE LANDS	MULTI-USE LEASE	N	-	-		-	-	10/30/2014	09/30/2024	04/23/2019	Lease	Right-of-Way	Cole	AMD 1 04-23-19: <b>NO COST AMENDMENT</b> TO EXTEND TERMINATION DATE FROM 09-30-19 TO 09-30-24 BY RENEWING MULTI-USE LEASE FOR A TERM OF FIVE YEARS.  10-30-14: NO COST MULTI-USE LEASE FOR NEVADA DIVISION OF STATE LANDS TO LEASE SUBJECT AREA FROM NDOT FOR THE BENEFIT OF STATE PARKS, DOUGLAS COUNTY. NV B/L#: EXEMPT
39	17919	00	JOHN O'DONNELL	EMPLOYEE HOUSE LEASE	N	3,100.00	-		-	3,100.00	04/22/2019	04/22/2023	-	Lease	District I	Tracy/Mary	04-22-19: <b>NO COST EMPLOYEE LEASE</b> OF HOUSE #4 AT BLUE JAY MAINTENANCE STATION, NYE COUNTY. NV B/L#: EXEMPT
40	05219	00	HENDERSON HYUNDAI SUPERSTORE	MULTI-USE LICENSE	N	1,000.00	-		-	1,000.00	04/23/2019	04/30/2029	-	License	Right-of-Way	Cole	04-23-19: <b>NO COST MULTI-USE LICENSE</b> TO TEMPORARILY USE A PORTION OF THE RIGHT-OF-WAY OF PARCEL S-582-CL-004.635 FOR THE PURPOSE OF PARKING AND LANDSCAPING, CLARK COUNTY. NV B/L#: NVD20021399820
41	20619	00	VIRGINIA CITY MOTORCYCLE CLUB	LICENSE FOR TEMPORARY USE OF RIGHT-OF-WAY	N	109.00	-		-	109.00	04/23/2019	03/30/2020	-	License	Right-of-Way	Cole	04-23-19: <b>NO COST LICENSE FOR TEMPORARY USE</b> OF THE RIGHT-OF-WAY ADJACENT TO APN 001-094-01, C STREET, FROM SUTTON STREET TO TAYLOR STREET, IN VIRGINIA CITY, NEVADA FOR THE 48TH ANNUAL VIRGINIA CITY GRAND PRIX OFF-ROAD MOTORCYCLE RACE, STOREY COUNTY. NV B/L#: NVD20011373335
42	20719	00	BOARD OF REGENTS NEVADA SYSTEM	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-		-	-	04/29/2019	04/30/2024	-	Right-of-Way Access	Right-of-Way	Cole	04-29-19: <b>NO COST AGREEMENT</b> TO RECONSTRUCT A SEGMENT OF TROPICANA AVENUE FROM DEAN MARTIN DRIVE TO BOULDER HIGHWAY, CLARK COUNTY. NV B/L#: NVO20161295653
43	35418	01	TETRA TECH, INC.	STORMWATER WORKSHOPS	N	97,450.00	-		97,450.00	-	07/23/2018	12/31/2019	05/03/2019	Service Provider	Stormwater	Cliff	AMD 1 05-03-19: <b>NO COST AMENDMENT</b> TO EXTEND TERMINATION DATE FROM 06-30-19 TO 12-31-19 DUE TO CONSTRUCTION SEASON SCHEDULING CONFLICTS.  07-23-18: DEVELOP AND DELIVER THREE STORMWATER WORKSHOPS ENTITLED, "INTRODUCTION TO THE NPDES PROGRAM AND STORMWATER PERMITS" FOR UP TO 75 DEPARTMENT EMPLOYEES, CARSON CITY, CLARK, AND ELKO COUNTIES. NV B/L#: NVF19921063769-S.
44	15419	01	THYSSENKRUPP ELEVATOR CORP.	ELEVATOR MAINTENANCE	N	24,880.00	-		24,880.00	-	04/04/2019	05/31/2021	04/23/2019	Service Provider	Buildings and Grounds	Robert	AMD 1 04-23-19: <b>NO COST AMENDMENT</b> TO CORRECT AN UNINTENTIONAL ERROR IN THE TERMINATION DATE OF THE ORIGINAL CONTRACT FROM 3-30-19 TO 3-30-21.  04-04-19: PREVENTATIVE MAINTENANCE FOR TWO GEARLESS TRACTION AND ONE HYDRAULIC ELEVATOR LOCATED AT NDOT HEADQUARTERS BUILDING 1263 S. STEWART STREET, CARSON CITY COUNTY. NV B/L#: NVF19841018200



1263 South Stewart Street  
Carson City, Nevada 89712  
Phone: (775) 888-7440  
Fax: (775) 888-7201

## **MEMORANDUM**

**May 14, 2019**

**TO: Department of Transportation Board of Directors**  
**FROM: Kristina Swallow, Director**  
**SUBJECT: June 17, 2019 Transportation Board of Directors Meeting**  
**Item #11: Report on the Status of Road Transfers Between the Department and the City of Las Vegas – *Informational item only***

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### **Summary:**

The City of Las Vegas and the Department have been negotiating an agreement to exchange Summerlin Parkway, between the CC215 (the Beltway) and Tenaya Avenue, for various state routes, including portions of SR159-Charleston Ave, SR589-Sahara Ave. and SR582-Fremont Street, in Las Vegas for the past 3 years. The result of these negotiations has culminated in an agreement that was approved by the City of Las Vegas Council on April 17, 2019 and approval of the Resolutions of Consent on May 15, 2019.

The agreement will allow for an initial exchange of operation and maintenance on these roads within 30 days of the signing of the agreements, making each party responsible for the function and maintenance of the roads respectively. The next step will be for the Las Vegas City Council to approve Resolutions consenting to the transfer which is expected to occur over the next few months and which will be presented to this board. After this, the final preparation of necessary right-of-way (ROW) documents will occur, which take several months to prepare. Once those ROW documents are completed, then the final Resolution of Relinquishment will be brought to the board for final action and final transfer of the full ownership of these routes.

The List of Attachments contains the maps of those routes that each agency will be accepting.

### **Background:**

Since Assembly Concurrent Resolution ACR3 from the 1999 Legislative year, the subject of an exchange of roadways between the Department and the City of Las Vegas has been discussed involving several routes. Of these routes, Summerlin Parkway has been under consideration, but significant progress has not been made until recently when it became apparent that both agencies would benefit significantly by exchanging these routes. The decision to move forward was assisted in part by the change in the economy and the uptake of development potential along the surface streets of Las Vegas.

**Analysis:**

NRS 408.527, defines those instances in which the department may relinquish or accept any road. The Department can relinquish to a city or county any road that exceeds its needs. The Department has long been convinced that state owned local arterials serve local business and residential interests, which should be the responsibility of local agencies. In comparison, the Department can accept roads from cities and counties that the Department agrees qualifies to join the state highway system. High volume, multi-lane, access controlled, long distance roads connecting major corridors, such as Summerlin Parkway, meet the criteria for joining the state highway system.

There is no money transfer associated with this relinquishment. The exchange of roads is allowed under NRS 408.527 which requires that 'equitable compensation OR trade values be negotiated and agreed to in writing. The agreement mentioned was negotiated and agreed that the transfer of these roads have equivalent value to their agencies and to long term uses for constituents.

**List of Attachments:****Exhibit 1**

from Agreement NM747-18-805 shows those roads that the Department will transfer to the City under the new agreement. Note that only those portions of the route that fall within the jurisdictional limits of the City of Las Vegas will be transferred with this action. The remaining portions of these routes were transferred to the County in a prior action effective January 1, 2019.

**Exhibit 2**

from Agreement NM747-18-805 shows those roads that the City will transfer to the Department under the new agreement.

**Recommendation for Board Action:**

This is an informational item only and requires no Board action.

**Prepared by:**

Bob Madewell, CPM, Chief-Planning, Road Data and Research

# Road Transfer From State To City

Exhibit 1

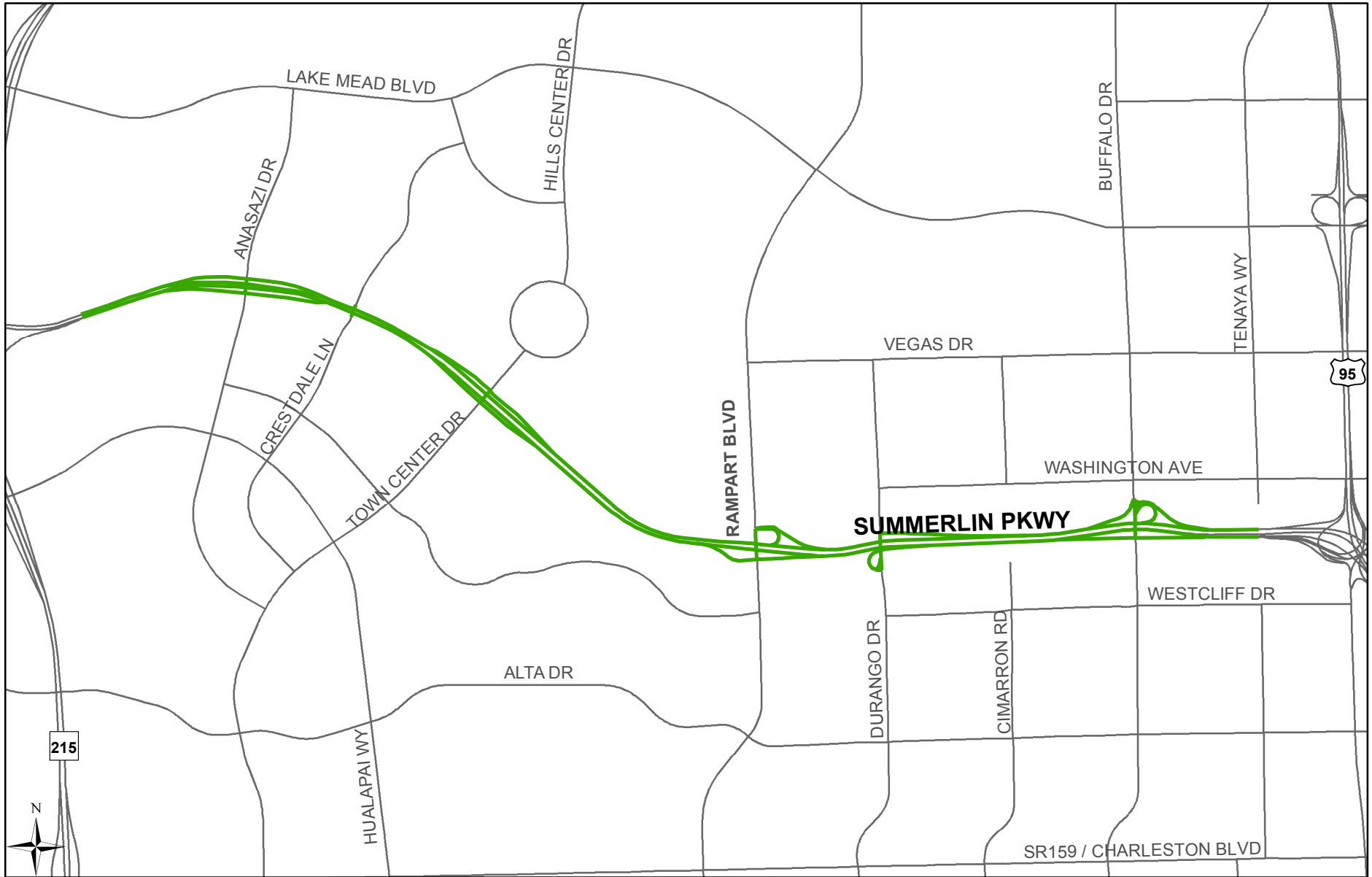


- █ SR159 / Charleston Blvd (Full Width)
- █ SR159 / Charleston Blvd North Half
- █ SR589 / Sahara Ave (Full Width)
- █ SR589 / Sahara Ave North Half
- █ SR582 / Fremont St (Full Width)
- █ Excluded From Transfer
- Local Area Roads



# Road Transfer From City to State

Exhibit 2



— Summerlin Pkwy





District II  
 310 Galletti Way  
 Sparks, NV 89431  
 (775) 834-8300  
 (775) 834-8319

## MEMORANDUM

June 7, 2019

**To:** Nevada Department of Transportation Board of Directors  
**From:** Kristina L. Swallow, Director  
**Subject:** June 17, 2019 Transportation Board of Directors Meeting  
**Item #12:** FY2020/FY2021 Biennium Equipment Procurement Staff Report – *for Possible Action*

### Summary

NDOT has legislative approval to procure new equipment as described below for fleet replacement, new additions to the fleet, and other equipment with a purchase price greater than \$50,000. Items 1 - 4 below request NDOT Transportation Board approval for the procurement of these equipment units.

NDOT plans to return to this board in about a year to request fleet procurement for the FY2021 Annual Rolling Stock Replacement Program identified in E710. This staff report is intended to request permission for procurement of all other rolling stock, aircraft, and other equipment with a purchase price greater than \$50,000 approved by legislature for the FY2020/FY2021 biennium.

### Background

NRS 408.389 states that the Department shall not purchase any equipment which exceeds \$50,000, unless the purchase is first approved by the Board. The Legislature approved new replacement and additional equipment for purchase (see Attachment A), and NDOT seeks the Board’s consideration and approval for these equipment purchases. An explanation of equipment units priced over \$50,000 is provided.

The replacement criteria for fleet vehicles is based on age and/or mileage. Each class of vehicle has specific replacement criteria; however, the Department has discretion in identifying vehicles to be replaced. For example, if a vehicle remains serviceable with acceptable maintenance costs, it will remain in service even though it exceeds replacement criteria. If a vehicle is experiencing excessive repair maintenance costs, it may be replaced before the criteria is met in order to achieve our mission objectives.

Attachment B is the Cost Analysis for the unit types where the purchase price exceeds \$50,000.

Attachment C is the list of proposed vehicles to be replaced by category for the Annual Rolling Stock Replacement Program.

The different legislative approved categories and amounts are shown below.

Item	Budget Cat	Description	FY2020	FY2021
1	E230	New Equipment – New Const Crews	\$ 1,567,400	
2	E710	Equipment Replacement	\$ 7,500,000	\$7,500,000
3	E712	Aircraft Replacement	\$ 8,989,650	\$9,335,000
4	E720	New Equipment	\$ 8,937,500	\$ 825,000

### Item 1; E230 (New Equipment for New Construction Crews)

Below is the request for FY2020. No additional equipment is proposed for FY2021.

	<u>Quantity</u>	<u>Description</u>	<u>FY2020</u>
DI C922	8	1/2 Ton Crew Cab 4x4 Pick Up	\$256,000
DI C922	1	3/4 Ton Extended Cab 4x4	\$ 45,000
DI C922	1	Construction Lab Trailer	\$275,000
DI C922	2	Muffle Furnace w/Setup	\$ 22,700
DI C922	1	Survey Line Wagon w/accessories	\$ 70,000
DI C922	1	Trimble R10 Receiver	\$ 65,000
DI C922	1	Robotic Total Station	\$ 50,000
D2 C919	8	1/2 Ton Crew Cab 4x4 Pick Up	\$256,000
D2 C919	1	1 Ton Extended Cab 4x4	\$ 45,000
D2 C919	1	Construction Lab Trailer	\$275,000
D2 C919	2	Muffle Furnace w/Setup	\$ 22,700
D2 C919	1	Survey Line Wagon w/accessories	\$ 70,000
D2 C919	1	Trimble R10 Receiver	\$ 65,000
D2 C919	1	Robotic Total Station	\$ 50,000

Details are in Attachment A.

### Item 2; E710 (Annual Equipment Replacement Program)

Please see list of vehicles/equipment proposed for replacement in Attachment C for the proposed annual FY2020 Rolling Stock Replacement Program. Actual costs may vary from estimated costs. NDOT is required to stay within the \$7.5M budget unless otherwise approved by this board and legislature.

NDOT will return to this board again near the end of the FY2020 fiscal year with the proposed annual FY2021 rolling stock replacement program.

### Item 3; E712 (Aircraft Replacement)

NDOT currently owns two aircraft - a Cessna Citation and an Aero Commander 840. Both units are at the end of their anticipated useful life expectancies. Legislature has approved a lifecycle replacement for both units. NDOT is requesting Board approval for procurement of both aircraft.

NDOT is proposing to procure a Pilatus PC-24 in FY2020 to replace the Cessna Citation.

NDOT is proposing to procure a Beechcraft King Air 350i in FY2021 to replace the Aero Commander 840.

	<u>Quantity</u>	<u>Description</u>	<u>FY2020</u>	<u>FY2021</u>
05-8300	1	Pilatus PC-24	\$1,000,000	\$9,335,000
05-8300	1	Beechcraft King Air 350i	\$7,989,650	

Details are in Attachment A

#### Item 4; E720 (New Equipment/Special Replacement)

Below is the list of requested special equipment procurements. Additions to the fleet are marked with "(N)". Equipment replacements are marked with "(R)".

	<b>Quantity</b>	<b>Description</b>	<b>FY2020</b>	<b>FY2021</b>
HQ	1 (R)	Under Bridge Inspection Truck	\$ 950,000	
HQ	1 (N)	1 Ton Passenger Van	\$ 50,000	
HQ	1 (R)	Truck Mounted Drill Rig	\$ 600,000	
HQ	1 (N)	DJI Matrice600 LiDAR Package	\$ 170,000	
HQ	1 (N)	FARO Focus3D X330 Laser Scanner	\$ 540,000	
HQ	1 (N)	MCC 01A Sport Utility Vehicle	\$ 35,000	
B025	1 (N)	Infrared Spectroscopy Ftir	\$ 55,000	
B025	1 (N)	Camsizer For Traffic Beads	\$ 85,000	
B025	1 (N)	Hydraulic Hammer/Breaker	\$ 62,500	
B797	3/yr (R)	Construction Lab Trailers	\$ 825,000	\$825,000
D1	1 (N)	Front End Loader John Deer 544K	\$ 175,000	
D1	1 (N)	3/4 Ton Pickup Truck	\$ 33,000	
D1	2 (N)	Tandem Axle Water Truck	\$ 460,000	
D1	1 (N)	Self-propelled Broom	\$ 65,000	
D1	2 (N)	One ton Diesel w/ One ton Diesel	\$ 134,000	
D1	1 (N)	Snorkel Scissor lift model S3220 E	\$ 15,000	
D1	1 (N)	CAT Model 304 E2 C Mini Excavator	\$ 50,000	
D1	1 (N)	1 ton Diesel, ext cab w/ dump bed	\$ 68,000	
D2	1 (N)	25 Ton Wren Trailer	\$ 80,000	
D2	1 (N)	Self Propelled Broom	\$ 65,000	
D2	1 (R)	Highway Paint Striper	\$ 700,000	
D2	2 (N)	One Ton Crew Cab	\$ 120,000	
D2	2 (R)	Rotary Snow Blowers	\$2,600,000	
D3	1 (N)	Semi Truck for Transport Trailer	\$ 160,000	
D3	1 (N)	Equipment Transport Trailer	\$ 100,000	
D3	1 (N)	Mini-Excavator w/Hydraulic Thumb	\$ 105,000	
D3	1 (N)	Front Loader Backhoe w/Hyd Thumb	\$ 125,000	
D3	1 (N)	Forklift DP30N5 - 6,000 Lb. Tier 4	\$ 40,000	
D3	1 (N)	PM10-Sweeper Elgin-Waterless	\$ 350,000	
D3	1 (N)	Genie TZ34 Trailer Mounted Z Boom	\$ 30,000	
D3	1 (N)	CW 16 - 9 Wheel Pneumatic Roller	\$ 90,000	

Details are in Attachment A.

## **Facts & Findings**

### **Fiscal Implications & Analysis**

NRS408.389 requires that NDOT prepare and present to the Board an analysis of the costs and benefits, including, without limitation, all related personnel costs, that are associated with:

- (1) Purchasing, operating and maintaining the same item of equipment;
- (2) Leasing, operating and maintaining the same item of mobile equipment; or
- (3) Contracting for the performance of the work which would have been performed using the mobile equipment;

NDOT is required to justify the need for significant procurements based on that analysis.

#### **Analysis Review**

- Hourly Equipment Rate is taken from the Equipment Watch Blue Book Rental Rate for each applicable Unit
- Used Prevailing Wage (median of all Nevada Counties) for Labor Rate, with appropriate classification for the type of unit being operated
- Small amount of Department overhead included for procurement and contract management

**Note: Please see Attachment B for the detailed Cost Analysis for the purchase of vehicle classes costing more than \$50,000.**

#### **Staff Recommendation**

In all cases, based on the stated assumptions, it is a better value for the citizens of Nevada to purchase, operate and maintain the equipment units for NDOT's Fleet rather than leasing or contracting out the work. Staff recommends approval of the procurement request as proposed.

#### **Attachment(s):**

- A. Legislative approved Budget for FY20 and FY21
- B. Cost Analysis for Vehicles greater than \$50k
- C. List of Vehicles being Replaced Listed by Category

cc: Tracy Larkin-Thomason, PE (Deputy Director)  
Cole Mortensen, PE (Deputy Director)  
Robert Nellis (Assistant Director, Administration)  
Wayne Miller (Equipment Division Chief)  
Mary Martini, PE (District Engineer, Las Vegas)  
Boyd Ratliff, PE (District Engineer, Elko)  
Mike Fuess, PE (District Engineer, Reno)  
Sharon Foerschler, PE (Construction Chief)  
Felicia Denney (Financial Management Chief)  
Scott Hoffmeyer (Chief Pilot)  
file

# **Attachment A**

Legislative approved Budget for FY20 and FY21

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E230 - NEW EQUIPMENT - New District 1 Construction Crew Equipment Request

REVENUE - CATEGORY 00

00-2507	Highway Fund Authorization	\$ 783,700	\$ -
<b>TOTAL REVENUE - CATEGORY 00</b>		<b>\$ 783,700</b>	<b>\$ -</b>

EQUIPMENT - CATEGORY 05

DI C922	<u>(8) 1/2 Ton Crew Cab 4x4 Pick Up</u> Quantity = 8 for crew staff, 4x4, \$32k	\$256,000	\$0
DI C922	<u>(1) 3/4 Ton Extended Cab 4x4</u> Quantity = 1 This vehicle is needed for the Highway Project Manager who frequently transports personnel and equipment to the project. \$45k each	\$45,000	\$0
DI C922	<u>(1) Construction Lab Trailer</u> Quantity = 1 NDOT is required to be in compliance with the Code of Federal Regulations (23 CFR Part 637) for Quality Assurance (QA) testing of construction materials incorporated into projects. QA testing is required to authorize contractor payment. Field lab trailers are utilized throughout the state to facilitate the performance of material acceptance testing on all NDOT contracts. The field testing of materials is essential to ensure the materials being incorporated into projects are in conformance with each project's plans and specifications. Field lab trailers are located at or near construction projects to facilitate the timely and accurate field testing of materials while not delaying the progress of construction and maintaining compliance with the required testing frequencies. \$275k	\$275,000	\$0
DI C922	<u>(2) Muffle Furnace w/Setup</u>	\$ 22,700	

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E230 - NEW EQUIPMENT - New District 1 Construction Crew Equipment Request

Quantity = 2 Muffle furnaces are required to perform Quality Assurance testing of asphaltic materials to determine asphalt content per Nevada Test Method T-761 as required by 23 CFR Part 637. Each field lab requires 2 muffle furnace due to the amount of projects and associated asphaltic materials the crew is overseeing at any given time. The crew is required to perform the testing and report results within 24 hours. \$22,700k

DI C922	<u>(1) Survey Line Wagon w/accessories</u> The survey line wagon is needed for the 3-man survey crew which consists of one Supervisor I, one Engineering Technician IV and one Engineering Technician III. The line wagon hauls all of their required survey equipment which cannot be carried in a conventional truck, it is comprised of large equipment and required to be hauled safely and be locked at all times when it is not in use. The survey line wagon is a four door vehicle accommodating the 3-man crew and additional staff as needed to complete project survey. \$70k	\$70,000	\$0
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Quantity = 1

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
<b>E230 - NEW EQUIPMENT - New District 1 Construction Crew Equipment Request</b>			
DI C922	<u>(1) Trimble R10 Receiver w/Internal 410-470 MHZ Radio</u> This survey equipment is needed in order for the Department to perform necessary survey functions for the Department's highway construction program to ensure accuracy is achieved in locating existing assets and new assets within the roadway corridor. An example of assets are bridge structures, drainage structures, right of way, signal poles, roadway striping, etc.	\$65,000	\$0
Quantity = 1			
DI C922	<u>(1) Robotic Total Station DR plus W Vision Robotic Multi-Track Target Kit</u> This survey equipment is needed in order for the Department to perform necessary survey functions for the Department's highway construction program to ensure accuracy is achieved in locating existing assets and new assets within the roadway corridor. An example of assets are bridge structures, drainage structures, right of way, signal poles, roadway striping, etc.	\$50,000	\$0
Quantity = 1			
		\$783,700	\$0



NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E230 - NEW EQUIPMENT - New District 2 Construction Crew Equipment Request

REVENUE - CATEGORY 00

00-2507	Highway Fund Authorization	\$ 783,700	\$ -
<b>TOTAL REVENUE - CATEGORY 00</b>		<b>\$ 783,700</b>	<b>\$ -</b>

EQUIPMENT - CATEGORY 05

D2 C919 Quantity = 8	<u>1/2 Ton Crew Cab 4x4 Pick Up</u> for crew staff, 4x4, \$32k	\$256,000	\$0
D2 C919 Quantity = 1	<u>1 Ton Extended Cab 4x4</u> This vehicle is needed for the Highway Project Manager who frequently transports personnel and equipment to the project. \$45k each	\$45,000	\$0
D2 C919 Quantity = 1	<u>Construction Lab Trailer</u> NDOT is required to be in compliance with the Code of Federal Regulations (23 CFR Part 637) for Quality Assurance (QA) testing of construction materials incorporated into projects. QA testing is required to authorize contractor payment. Field lab trailers are utilized throughout the state to facilitate the performance of material acceptance testing on all NDOT contracts. The field testing of materials is essential to ensure the materials being incorporated into projects are in conformance with each project's plans and specifications. Field lab trailers are located at or near construction projects to facilitate the timely and accurate field testing of materials while not delaying the progress of construction and maintaining compliance with the required testing frequencies. \$300k	\$275,000	\$0
D2 C919	<u>Muffle Furnace w/Setup</u>	\$ 22,700	

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
----------------	---	--------------------	--------------------

E230 - NEW EQUIPMENT - New District 2 Construction Crew Equipment Request

Quantity = 2 Muffle furnaces are a required to perform Quality Assurance testing of asphaltic materials to determine asphalt content per Nevada Test Method T-761 as required by 23 CFR Part 637. Each field lab requires 2 muffle furnace due to the amount of projects and associated asphaltic materials the crew is overseeing at any given time. The crew is required to perform the testing and report results within 24 hours. \$22,699k

D2 C919	<u>Survey Line Wagon w/accessories</u> The survey line wagon is needed for the 3-man survey crew which consists of one Supervisor I, one Engineering Technician IV and one Engineering Technician III. The line wagon hauls all of their required survey equipment which cannot be carried in a conventional truck, it is comprised of large equipment and required to be hauled safely and be locked at all times when it is not in use. The survey line wagon is a four door vehicle accommodating the 3-man crew and additional staff as needed to complete project survey. \$70k	\$70,000	\$0
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Quantity = 1

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 4660  
 BUDGET REQUEST FY 19-20 AND 20-21  
 ENHANCEMENT

Agency Request  
 August 31, 2018

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
E230 - NEW EQUIPMENT - New District 2 Construction Crew Equipment Request			
D2 C919	<u>Trimble R10 Receiver w/Internal 410-470 MHZ Radio</u> This survey equipment is needed in order for the Department to perform necessary survey functions for the Department's highway construction program to ensure accuracy is achieved in locating existing assets and new assets within the roadway corridor. An example of assets are bridge structures, drainage structures, right of way, signal poles, roadway striping, etc. Quantity = 1	\$65,000	\$0
D2 C919	<u>Robotic Total Station DR plus W Vision Robotic Multi-Track Target Kit</u> This survey equipment is needed in order for the Department to perform necessary survey functions for the Department's highway construction program to ensure accuracy is achieved in locating existing assets and new assets within the roadway corridor. An example of assets are bridge structures, drainage structures, right of way, signal poles, roadway striping, etc. Quantity = 1	\$50,000	\$0
		\$783,700	\$0

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 201-4660  
 BUDGET REQUEST FISCAL YEARS 2019-2020 AND 2020-2021  
 ENHANCEMENT

AGENCY REQUEST  
 AUGUST 31, 2018

NDOT OBJECT	OBJECT TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	2020 REQUEST	2021 REQUEST
E710	EQUIPMENT REPLACEMENT		
	REVENUE - CATEGORY 00		
00-2507	Highway Fund Authorization	\$ 7,920,000	\$ 7,920,000
<b>TOTAL REVENUE E710 - CATEGORY 00</b>		<b>\$ 7,920,000</b>	<b>\$ 7,920,000</b>
<b>EQUIPMENT - CATEGORY 05</b>			
05-8277	COMMUNICATIONS EQUIPMENT - 800 MHz RADIOS	\$ 420,000	\$ 420,000
	<p>This decision unit requests budget authority for the replacement of approximately ten percent (10%) of the 800 MHz radios owned and utilized by the Department of Transportation (NDOT). The type of radios to be replaced reached their end of service for parts support in 2009 and 2010. 200 radios x \$4,200 estimated replacement cost per unit = \$840,000 (see attached list of NDOT radios to be replaced). The replacement radios are compatible with any P25 radio system and are vender neutral.</p> <p>The Nevada Shared Radio System (NSRS) is a statewide 800 MHz trunked radio system. The NSRS is a public private partnership shared between the NDOT, the University of Nevada Las Vegas (UNLV), and Nevada Energy participating in full legal accordance with FCC regulations. System resources and components are combined to maximize mobile radio capabilities, advanced technologies and coverage throughout Nevada, while minimizing equipment costs and associated operational costs. A portion of the NDOT operating costs are reimbursed by the non-highway funded agencies listed on the attached diagram depicting the participants in the NSRS.</p> <p>Although the backbone (mountain top) radio system has reached its end of life and will no longer be supported by the manufacture, the end user equipment is supported and needs to be replaced as described above. The replacement radios will work on any P25 radio system that is chosen as the replacement, regardless of the manufacturer.</p>		
05-8280	HEAVY DUTY REPLACEMENT EQUIPMENT	\$ 7,500,000	\$ 7,500,000
	<p>As required by the Budget Instructions, expenses associated with the routine replacement of existing equipment are included as an enhancement decision unit. Purchases such as trucks, automobiles and large graders are referred to as licensed equipment. Each year the department replaces a portion of the licensed mobile and fleet based on cumulative miles or hours (meter reading), age, cost of repairs, parts availability, life cycle cost analysis, condition and district equipment needs. Attached is a detailed list of licensed equipment needing replacement.</p>		
<b>ENHANCEMENT - REPLACEMENT EQUIPMENT TOTAL - E710</b>		<b>\$ 7,920,000</b>	<b>\$ 7,920,000</b>

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

This efficiency measure replaces the existing two Nevada Department of Transportation (NDOT) airplanes with aircraft of equivalent utility and superior operational performance and efficiencies, leading to significant savings in aircraft maintenance, and fuel, employee travel, overtime, and per diem costs as well as a significant increase in employee productivity.

**BACKGROUND INFORMATION:**

NDOT currently operates the following aircraft:

- (1) a Cessna Citation II 550 that was manufactured in 1987 and purchased slightly used by NDOT in 1988, and
- (2) an Aero Commander 840 that was manufactured in 1981 and purchased used by NDOT in 1999.

The department is responsible for the planning, construction, operation and maintenance of the 5,400 miles of highway and over 1,000 bridges which make up the state highway system, including remote major maintenance stations near Ely, Tonopah and Winnemucca. Both aircraft are used to transport passengers, and the Commander 840 is also used for aerial photography, mapping, and Geographic Information Systems data for the State of Nevada. Providing fast and reliable air service to transport department employees results in cost savings in travel, overtime, and per diem as well as a significant increase in employee productivity.

Both planes are also vital to the state's ability for the Governor and first responders to mobilize in emergency situations, such as the Las Vegas shooting in October 2017. In addition, other state agencies have employees who utilize the plane to assist their agency in lowering travel and labor costs, including but not limited to: Office of the Governor, Office of the Secretary of State, Department of Motor Vehicles, Department of Conservation & Natural Resources, Office of the Attorney General, Governor's Finance Office, Department of Health and Human Services, Department of Administration, Business & Industry, Department of Corrections, Department of Public Safety, Office of the Treasurer, Office of the Controller, and Office of the Lieutenant Governor.

**REPLACEMENT RATIONALE:**

NDOT is seeking to replace the 31 year old Cessna Citation and the 37 year old Commander aircraft to achieve fuel cost savings, reduce noise pollution, streamline flight times, and increase seat capacity, as well as improve recruitment and retention of pilots. NDOT will increase seating capacity by one seat for the Citation and six seats for the Commander, resulting in cost savings in the day-to-day travel for state employees. New aircraft will enable NDOT to transport passengers more safely, quickly, and efficiently. It will also reduce aircraft operating costs due to maintenance cost savings, fuel efficiencies, and modern avionics. Investing in a replacement aircraft is fiscally prudent.

**PERTINENT FACTORS:**

There are several factors to consider when determining the necessity to replace an aircraft: Age of aircraft, airframe/engine hours, component cycles, avionics upgrades, operating environment, fuel economy, and aircraft performance.

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

Aircraft Age:

The Citation is currently thirty-one years old and the Commander is thirty-seven years old. The federal government has passed the General Aviation Revitalization Act eliminating an aircraft manufacturer's legal liability for any aircraft over eighteen years old. This Act effectively gives aircraft manufacturers the right to discontinue product support activities at their discretion.

Should Cessna or Gulfstream decide to discontinue support for our models of aircraft, the state would need to search for discontinued parts and a qualified maintenance facility. Even with manufacturer support, the impacts of discontinued parts are negatively effecting aviation operations. For example, In 2017 the Commander was grounded due to a three-month waiting period to receive replacement parts. Likewise, the Citation was grounded for mandatory avionics upgrades.

Airframe/Engine Hours and Component Cycles:

The Citation 550 currently has over 12,500 hours on the airframe and engines and 13,400 landing cycles. The Commander 840 has 7,100 hours. NDOT has consistently flown over 800 hours per year on the two aircraft. This constitutes 50% more utilization than the fleet average. The regular wear and tear notwithstanding, the landing cycles, significantly reduces the resale value of the aircraft relative to other comparable aircraft.

Cost to Maintain:

The Citation 550 is due for a major overhaul on both engines. The last overhaul was done at 7,100 hours of flight time at a cost of \$800,000 for both engines. Each major overhaul is progressively more expensive. Many time and/or cycle limited parts will reach their limit during this overhaul cycle which could bring the overhaul price to upwards of \$1.5 million for both engines on the Citation. The Commander 840 is also currently due for engine overhauls within the FY20/21 biennium which involve inspections to determine unknown issues/problems/damages, etc., and is estimated to cost \$700,000 for both engines.

Avionics:

Avionics Technology in aircraft has evolved in the last three decades. The Federal Aviation Administration (FAA) has mandated significant upgrades to avionics equipment to comply with new federal regulations. NDOT has made some avionics equipment improvements that have allowed the department to slow the rate of falling behind other aircraft from a technology standpoint. Even with the installation of a new Flight Management Computer, Satellite Weather Systems, an upgraded Emergency Locator Transmitter, and a Cockpit Voice Recorder, NDOT still lags behind other similar operators in the area of avionics technology. If NDOT fails to upgrade our avionics to meet the new FAA regulations our fleet will be grounded.

Operating Environment and Aircraft Performance:

NDOT's primary operating route (Carson City to Las Vegas and return) has undergone significant changes. The narrow arrival/departure corridor between the city pair is more crowded than ever before, with Las Vegas's McCarran International Airport the 27th busiest to passenger traffic in the World and 8th busiest in the United States. The FAA's answer has been to require aircraft to conform to much stricter route/speed tolerances or incur significant delays, which includes being pulled out of air traffic stream and requested to circle until clear to land, which also uses additional fuel. While our new Flight Management Computer partially solves the stricter route requirement the aircrafts struggles with performance standards set by the FAA. Said another way, the current department aircraft are too slow and do not climb fast enough to remain in the regular air traffic stream with faster planes.

Fuel Economy/Flight Hours:

NDOT aircrafts spend approximately 15% more time in the air and burns 35% to 50% more fuel than other newer and more capable aircraft. Repair cycles are based upon aircraft usage, i.e., flight hours and landing cycles. Faster and more fuel efficient planes with upgraded equipment would extend the time between maintenance intervals, thereby resulting in additional savings.

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

REPLACEMENT AIRCRAFT/SAVINGS:

NDOT will analyze all available aircraft purchase options to ensure any aircraft considered is economical, meets all FAA requirements, the General Aviation Revitalization Act, and is in compliance with safety and operational regulations.

CESSNA CITATION II 550 REPLACEMENT

Due to the current age, difficulty with parts procurement, time, cycles and projected usage of our Citation II, replacement is the fiscally prudent thing to do. NDOT recommends replacing its 1987 Cessna Citation II with a new Pilatus PC-24 Super Versatile Jet. The PC-24 is a new design, light jet, with advanced, modern systems and avionics.

Current Status of Cessna Citation II:

NDOT is recommending the replacement of its 1987 Citation II due to the difficulty of continuing to maintain this 31 year old airplane. Parts are becoming harder to find and in some cases we are now replacing our parts with overhauled or rebuilt parts simply because new parts are no longer available. In the last two years the Citation has been down 2-3 months per year waiting on parts. Additionally the engines will need to be overhauled in the next 1 ½ to 2 years. Due to the age, old generation design and parts availability it is estimated the engine overhauls could cost as much as \$1,500,000. It is not fiscally prudent to invest \$1.5 mil into a 31-33 year old airplane that has a high time/cycles airframe and has a low estimated value.

Pilatus PC-24:

The Pilatus PC-24 is a twin-engine business jet produced by Pilatus Aircraft of Switzerland and designed to combine light jet performance with the versatility of high density seating, combo passenger/cargo transportation, short field and unimproved (grass/gravel/dirt) runway performance. The main cabin can be configured with 6 or 8 passenger seats in the business club seating configuration or 10 passenger seats in the high density/commuter configuration. NDOT is recommending the high density/commuter/utility, 10 passenger configuration. The PC-24 in 10 passenger configuration would add two additional seats to our current Citation, saving the State an average cost of \$2,500 per roundtrip with the two additional passengers. Although it is NDOT's policy to operate all of its aircraft with two pilots the PC-24 is certified and can be flown with one pilot, increasing passenger seating by one additional seat. The cockpit layout is efficient and intuitive with an environment (Advanced Cockpit Environment - ACE) that has been designed specifically to reduce workload and improve safety while providing full situational awareness under all circumstances, and state-of-the-art avionics technology. (See Attachment A - Pilatus PC-24 Factsheet)

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

Operating Cost Comparison:

As shown in the table below the Cessna Citation 550 replacement aircraft is projected to save \$326,000 per fiscal year, a 51% savings; but a projected cost per seat is a significant savings as shown below:

Estimated Average Operating Expense:	Cessna Citation 550	Pilatus PC-24	Difference/Savings		
			\$	%	
Total Cost (Fixed & Direct)	\$1,206,271.00	\$540,736.00	\$665,535.00	55%	
Total Cost/Hour (450 hours)	\$2,680.60	\$1,201.64	\$1,478.97	55%	
Total Cost/Hour/Seat - A	\$335.08	\$120.16	\$214.91	64%	A - Full Aircraft: (Citation - 8 Seats , Pilatus 10 Seats)
Total Cost/Hour/Seat - B	\$382.94	\$133.52	\$249.43	65%	B - One Empty Seat: (Citation - 7 Seats , Pilatus 9 Seats) * *
Total Cost/Hour/Seat - C	\$446.77	\$150.20	\$296.56	66%	C - Two Empty Seats: (Citation -6 Seats , Pilatus 8 Seats)
Total Cost/Hour/Seat - D	\$536.12	\$171.66	\$364.46	68%	D - Three Empty Seats: (Citation - 5 Seats , Pilatus 7 Seats)
Total Cost/Hour/Seat - E	\$536.12	\$200.27	\$335.85	63%	E - Estimated Minimum: (Citation - 5 Seats , Pilatus 6 Seats) **

\* Eight seats is preferred for Citation (capability for nine passengers with one in back of aircraft without a conventional seat or seatbelt)

\*\* Pilot will generally not operate Citation with fewer than five passengers (barring special circumstances); 5 passengers/8 seats = 62.5% full  
 Pilatus: six passengers/10 seats = 60% full

Per Employee Travel Cost Comparison:

CITATION 550

A replacement aircraft is projected to save \$3083.56 per passenger for each round trip between Carson City and Las Vegas when compared to the Cessna Citation, a 43% savings. (Costs include ticket prices/aircraft direct operating costs, employee travel time, time spent at airport before and after flights, rental car time versus cars available at the hangar, per diem, etc.) When staff productivity is considered, the savings increases to \$333.39 or 45%.

Carson City to Las Vegas and Return	Southwest Airlines	Cessna Citation 550	Pilatus PC-24	Pilatus Savings vs. Southwest	Pilatus PC-24 Savings vs. Citation 550
Travel Cost per Employee	\$915.32	\$715.10	\$406.54	\$508.78	\$308.56
% Savings				56%	43%
Travel Cost per Employee (w/cost of lost productivity)	\$1,260.53	\$739.93	\$406.54	\$853.99	\$333.39
% Savings w/ Productivity				68%	45%

As shown in the table below, a replacement aircraft is projected to save \$289.30 per passenger per trip for round trip travel between Carson City and Elko, a 53% savings. (Costs include ticket prices/aircraft direct operating costs, employee travel time, time spent at airport before and after flights, rental car time versus cars available at the hangar, per diem, etc.) When staff productivity is considered, the savings increases to \$330.69 or 57%.

Carson City to Elko and Return	Delta Airlines	Cessna Citation 550	Pilatus PC-24	Pilatus Savings vs. Delta	Savings vs. Citation 550
Travel Cost per Employee	\$1,127.54	\$542.97	\$253.67	\$873.87	\$289.30
% Savings				78%	53%
Travel Cost per Employee (w/cost of lost productivity)	\$1,789.82	\$584.36	\$253.67	\$1,536.15	\$330.69
% Savings w/ Productivity				86%	57%

Please refer to the attached cost savings calculations worksheets for more details regarding this decision unit.



NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

AERO COMMANDER 840 REPLACEMENT

Due to the current age, difficulty with parts procurement, time, cycles and projected usage of our Commander, replacement is the fiscally prudent thing to do. NDOT recommends replacing its 1981 Gulfstream 840 Turbo Commander with a new Beechcraft King Air 350i.

Current Status of Aero Commander 840:

NDOT is recommending the replacement of its 1981 Gulfstream 840 Turbo Commander due to the difficulty of continuing to maintain this 37 year old airplane. Parts are becoming harder to find and in some cases we are now replacing our parts with overhauled or rebuilt parts simply because new parts are no longer available. In the last three years the Commander has been down 2-3 months per year waiting on parts. Additionally the engines will need to be overhauled in the next 2 to 3 years. Due to the age, old generation design and parts availability it is estimated the engine overhauls could cost as much as \$700,000. It is not fiscally prudent to invest ¾ of a million dollars into a 37-40 year old airplane that will have an estimated value of less than the cost of overhauling the engines when the engines come due for overhaul.

Beechcraft King Air 350i:

The King Air 350 is a twin turboprop aircraft, produced by Beechcraft, which is now part of Textron aviation (also the parent company of Cessna). The main cabin is 19 ft 6 in long and the King Air can be configured to carry up to 13 passengers (utilizing two fold up seats), but is more typically configured with 8 passengers in business club seating or 11 in high density/commuter configuration. NDOT is recommending the high density/commuter/utility/special missions, 11 passenger seating configuration with the purchase of two additional, removable jump seats. The King Air 350 is a quieter turboprop aircraft with more payload, performance and with modern advanced avionics. The interior has standard Wi-Fi, and Pro Line Fusion™ avionics with full touch-screen simplicity. The Pro Line Fusion avionics suite is an intuitive touch-screen flight deck that simplifies how we aviate, navigate and communicate, creating cutting-edge performance, durability and reliability. In addition, the King Air 350 can be purchased with an aerial photogrammetry package that reduces the time and increase the efficiency of fulfilling the needs of the State of Nevada. (See Attachment B - Beechcraft King Air 350 Series, Attachment B.1 - King Air 350 fact sheet)

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

Operating Cost Comparison:

As shown in the table below The Commander 840 replacement aircraft is projected to save \$52,675 per fiscal year, a 18% savings; but a projected cost per seat is a significant savings as shown below:

Estimated Average Operating Expense:	Commander 840	King Air 350	Difference/Savings	
			\$	%
Total Cost (Fixed & Direct)	\$390,325.50	\$247,200.00	\$143,125.50	37%
Total Cost/Hour (350 hours)	\$1,115.22	\$706.29	\$408.93	37%
Total Cost/Hour/Seat - A	\$223.04	\$64.21	\$158.84	71%
Total Cost/Hour/Seat - B	\$278.80	\$70.63	\$208.18	75%
Total Cost/Hour/Seat - C	\$371.74	\$78.48	\$293.26	79%
Total Cost/Hour/Seat - D	\$371.74	\$100.90	\$270.84	73%

A - Full Aircraft: (Commander - 5 Seats , King Air 11 Seats)  
 B - One Empty Seat: (Commander - 4 Seats , King Air 10 Seats)  
 C - Two Empty Seats: (Commander - 3 Seats , King Air 9 Seats)  
 D - Estimated Minimum: (Commander - 3 Seats , King Air 7 Seats)\*

\* Pilot will generally not operate Commander with fewer than three passengers (barring special circumstances); 3 passengers/5 seats = 60% full;

King Air: seven passengers/11 seats = 63.6% full

**COMMANDER 840:**

As shown in the table below, a replacement aircraft is projected to save \$210.87 per passenger for each round trip between Carson City and Las Vegas when compared to the Commander, a 42% savings. (Costs include ticket prices/aircraft direct operating costs, employee travel time, time spent at airport before and after flights, rental car time versus cars available at the hangar, per diem, etc.) When staff productivity is considered, the savings increases to \$223.31 or 44%.

Carson City to Las Vegas and Return	Southwest Airlines	Commander 840	King Air 350	Savings vs. Southwest	Savings vs. Citation 550
Travel Cost per Employee	\$ 915.32	\$ 498.99	\$ 288.12	\$627.19	\$210.87
% Savings				69%	42%
Travel Cost per Employee (w/cost of lost productivity)	\$ 1,233.21	\$ 511.43	\$ 288.12	\$945.09	\$223.31
% Savings w/ Productivity				77%	44%

As shown in the table below, a replacement aircraft is projected to save \$144.89 per passenger per trip for round trip travel between Carson City and Elko, a 41% savings. (Costs include ticket prices/aircraft direct operating costs, employee travel time, time spent at airport before and after flights, rental car time and costs, per diem, etc.). When staff productivity is considered, the savings increases to \$186.28 or 47%.

Carson City to Elko and Return	Delta Airlines	Commander 840	King Air 350	Savings vs. Delta Airlines	Savings vs. Citation 550
Travel Cost per Employee	\$ 1,127.54	\$ 352.00	\$ 207.11	\$920.43	\$144.89
% Savings				82%	41%
Travel Cost per Employee (w/cost of lost productivity)	\$ 1,789.82	\$ 393.39	\$ 207.11	\$1,582.71	\$186.28
% Savings w/ Productivity				88%	47%

Please refer to the attached cost savings calculations worksheets for more details regarding this decision unit.

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

REPLACEMENT STRATEGY - FISCAL YEAR 2020:

Replace Cessna Citation with Pilatus PC-24 Versatile Jet - \$9,200,000:

NDOT is recommending the purchase of the Pilatus PC-24 Versatile Jet in FY 2020. Pilatus estimates a before negotiation price of \$9.2 million USD, with options. Early estimates are a final purchase price, with options at less than \$9 million. The PC-24 a new, modern, efficient aircraft that combines increased efficiency and performance at reduced operating costs. Pilatus offers outstanding, worldwide product support. Pilatus currently supports four different airplane types with various government and private flight departments, globally. The PC-24 comes with training for two pilots and one mechanic for the first year. Aircraft warranty is 7 years for the airframe and 5 years for the engines. Pilatus offers various maintenance programs to reduce downtime, simplify maintenance and aid in budgeting. The PC-24 Super Versatile Jet will provide additional capabilities, reduced downtime and support to the State of Nevada for decades to come.

REPLACEMENT STRATEGY - FISCAL YEAR 2021:

Replace Aero Commander 840 with Beechcraft King Air 350i - \$7,800,000:

NDOT is recommending the purchase of the Beechcraft King Air 350i for FY2021. Textron/Beechcraft estimates a before negotiation price of \$7.8 million USD, with options. Early discussions with Textron have not yet yielded a negotiated estimate. The King Air series aircraft is a proven design for over 4 decades. The 350i is a new, modern, efficient aircraft that combines increased efficiency and performance at reduced operating costs. Textron offers worldwide product support for Cessna and Beechcraft aircraft. Textron supports many different airplane types from Cessna and Beechcraft with various government and private flight departments, globally. The King Air 350i comes with training for two pilots and one mechanic for the first year. Aircraft warranty is 5 years for the airframe and 5 years for the engines. Textron offers various maintenance programs to reduce downtime, simplify maintenance and aid in budgeting. The King Air 350i will provide additional capabilities to include special mission capabilities, reduced downtime and support to the State of Nevada for decades to come.

**COMMANDER 840:**

A replacement aircraft is projected to save \$192.44 per passenger for each round trip between Carson City and Las Vegas when compared to the Cessna Citation, a 40% savings. (Costs include Ticket prices, employee travel time, time spent at airport before and after flights, rental car time and costs, per diem, etc.)

Carson City to Las Vegas and Return	Southwest Airlines	Commander 840	King Air 350	Savings vs. Southwest	Savings vs. Citation 550
Travel Cost per Employee	\$988.74	\$481.90	\$289.46	\$699.28	\$192.44
% Savings				71%	40%

A replacement aircraft is projected to save \$195.57 per passenger per trip for round trip travel between Carson City and Elko, a 54% savings. (Costs include Ticket prices, employee travel time, time spent at airport before and after flights, rental car time and costs, per diem, etc.)

Carson City to Elko and Return	Delta Airlines	Commander 840	King Air 350	Savings vs. Delta Airlines	Savings vs. Citation 550
Travel Cost per Employee	\$1,210.97	\$364.62	\$169.05	\$1,041.92	\$195.57
% Savings				86%	54%

*Please refer to the attached cost savings calculations worksheets for more details regarding this decision unit.*

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

REVENUE - CATEGORY 00

00-2507	Highway Fund Authorization	\$ 7,347,871	\$ 6,138,696
00-4003	Sale of Equipment	\$ 250,000	\$ 400,000

When the decision is made to sell or salvage the current NDOT airplanes, there are several solutions the department can explore to dispose of the airplanes. The Commander would likely be a direct sale to another end user, probably through a broker. The Citation could be a sale as a salvage aircraft due to the high cost of engine overhaul but could go to an end user if the buyer has an engine solution. It is highly likely the department would use a broker for the disposal of these airplanes but could also dispose of a salvage aircraft through our maintenance provider, Aces Aircraft Maintenance in Minden, Nevada. This company is currently disposing of other types of aging aircraft.

Airplane values are difficult to determine, as aircraft value is directly related to the airframe age, time, cycles, engine times and cycles before overhaul, cost of overhaul and number of same type of airplanes on the market. The department will analyze available options to determine the best course of action (which could possibly include keeping the Citation on hand for a limited time as a training or backup aircraft.)

Cessna Citation 550 - estimated salvage value state fiscal year 2020 - \$250,000:

Cessna produced approximately 2,000 of the 500 and 550 series airplanes and over 7,000 of the Citation Jet series airplanes. At any given time there are many Citations on the market and, with the high cost of maintenance and engines, the values continue to go down every year. Due to these factors, it is likely the Citation would be a salvage airplane with a salvage value. That value will be very difficult to estimate. A range of \$250,000 to \$400,000 is NDOT's Chief Pilot's current estimate of value, however, the market will determine the value at the time of salvage. In order to be prudent, the lower (value) option was selected for this analysis.

Aero Commander 840 - estimated salvage value - \$400,000

The Commander would sell to an end user as it is a more unique aircraft with far less numbers of similar airplanes on the market on any given day. Although the Commander is an older airplane, it had far less time and cycles on the airframe than the Citation and should cost less to overhaul the engines two to three years from now when they come due for overhaul. The value of the Commander on the open market two years from now is also very difficult to estimate as market conditions two years from now are difficult to predict. NDOT's Chief Pilot estimates a range of market value between \$400,000 to \$500,000. Of course, the market will determine the value at the time of sale. In order to be prudent, the lower (value) option was selected for this analysis.

<b>TOTAL REVENUE - CATEGORY 00</b>		<b>\$ 7,597,871</b>	<b>\$ 6,538,696</b>
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EXPENDITURES:

Note: Actual expenditures may vary from projections due to factors such as manufacturer availability of the replacement aircraft and weather.

EQUIPMENT - CATEGORY 05

05-8300	EQUIPMENT - AIRCRAFT PURCHASE	\$ 9,200,000	\$ 7,800,000
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	FY 2020	FY 2021
Purchase of Pilatus PC-24	\$ 9,200,000	
Purchase of Beechcraft King Air 350i		\$ 7,800,000

<b>TOTAL EQUIPMENT - CATEGORY 05</b>		<b>\$ 9,200,000</b>	<b>\$ 7,800,000</b>
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IN STATE TRAVEL - CAT 03	E-712 Efficiency Measure - Aircraft Replacement	\$ (45,000)	\$ (360,000)
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NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

Estimated savings for additional seats

Aircraft	# of seats	Flights (4 per week * 50 weeks/yr.)	Cost of round trip ticket (Reno-LV)	Projected Annual Savings	Projected Savings FY 2020	Projected Savings FY 2021	Notes
Pilatus PC-24	10						
Cessna Citation 550	9						
Difference (Pilatus vs. Citation)	1	\$ 200	\$ 450.00	\$ (90,000)	\$ (45,000)	\$ (90,000)	6 mos. of savings first year
King Air 350i	11						
Aero Commander 840	5						
Difference (King Air vs. Commander)	6	\$ 200	\$ 450.00	\$ (540,000)	\$ -	\$ (270,000)	6 mos. of savings first year
<b>Total Projected Savings</b>					\$ (45,000)	\$ (360,000)	

Figures noted above exclude savings due to improved reliability of replacement aircraft (i.e. less down time for maintenance)

Pilot Training Savings:

As training is included in the purchase price of aircraft for the first year, this adjustment removes the cost of training for the Citation and Commander for the year the replacement aircraft is put in service.

	FY 2020	FY 2021	Notes:
Cessna Citation	\$ (10,000)		Course Fees - Category 04
Aero Commander 840:		\$ (10,000)	Course Fees - Category 04
Subtotal Cat 04 Savings:	\$ (10,000)	\$ (10,000)	
Cessna Citation	\$ (4,000)		Out of State Training Per Diem - Category 09
Aero Commander 840:		\$ (4,000)	Out of State Training Per Diem - Category 09
Subtotal Cat 09 Savings:	\$ (4,000)	\$ (4,000)	Total Aircraft Training Savings *

\* Projections assume that training in second year of ownership will be similar to training costs included in existing aircraft budget.

04-7302	Registration Fees	\$ (10,000)	\$ (10,000)
<b>TOTAL OPERATING - CAT 04</b>		<b>\$ (10,000)</b>	<b>\$ (10,000)</b>

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

09-6103	Training Per Diem Out-of-State	\$ (4,000)	\$ (4,000)
TOTAL OUT OF STATE TRAINING - CAT 09		\$ (4,000)	\$ (4,000)

AIRPLANE OPERATIONS - CATEGORY 14

14-7057	Aviation Insurance	\$ 12,500	\$ 16,750
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This adjustment removes the insurance cost for the Cessna Citation and Commander and reflects the projected increase in insurance cost for the replacement aircraft.

	FY 2020	FY 2021	Assumptions
Cessna Citation 550	\$ (7,500)	\$ (15,000)	6 months of savings in 2020
Pilatus PC-24	\$ 20,000	\$ 20,000	Full year of insurance
Aero Commander 840		\$ (6,250)	6 months of savings in 2021
Beechcraft King Air 350i		\$ 18,000	Full year of insurance
	\$ 12,500	\$ 16,750	Total Aircraft Insurance

14-7163	Aircraft Fuel	\$ (64,865)	\$ (130,971)
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Projected savings due to improved fuel economy (gained by improved performance of the replacement aircraft) is reflected in this adjustment.

	FY 2020	FY 2021	Assumptions
Citation Annual Cost of Fuel	\$ 926,641	\$ 973,765	6 months of savings in 2020 calculated below
Projected Fuel Savings - 14%	\$ (64,865)	\$ (136,327)	
Commander Annual Cost of Fuel		\$ 178,536	6 months of savings in 2020 calculated below
Projected Fuel Cost Increase - 6%	\$ -	\$ 5,356	Although fuel cost increased overall, there is still a savings per seat due to an addition of 6 seats
Total Estimated Fuel Savings	\$ (64,865)	\$ (130,971)	

NDOT	G.L. TITLE	FY 2020	FY 2021
G.L. #	DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	REQUEST	REQUEST

E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

14-7162	Repair and Maintenance:	\$ (1,502,764)	\$ (789,883)
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Projected Savings on Maintenance of Existing Aircraft:

Savings on maintenance of Citation (See M-150)	FY 2020	FY 2021
Annual Scheduled Inspections	\$ (150,000)	\$ (150,000)
Non-Routine Maintenance	\$ (1,580,000)	\$ (99,500)
<b>Citation Subtotal</b>	<b>\$ (1,730,000)</b>	<b>\$ (249,500)</b>
Saving on maintenance of Commander (See M-150):		
Annual Scheduled Inspections		\$ (100,000)
Non-Routine Maintenance		\$ (706,000)
<b>Commander Subtotal</b>		<b>\$ (806,000)</b>
<b>Grand Total Maintenance Savings</b>	<b>\$ (1,730,000)</b>	<b>\$ (1,055,500)</b>

<u>Estimated Costs of Maintenance Plans for new aircraft:</u>	FY 2020	FY 2021
Pilatus PC-24 - Full Year	\$ 227,236	\$ 227,236
King Air 350i Full Year		\$ 38,381
<b>Total</b>	<b>\$ 227,236</b>	<b>\$ 265,617</b>
<b>Grand Total Maintenance savings</b>	<b>\$ (1,502,764)</b>	<b>\$ (789,883)</b>

Maintenance Plan Estimate Notes:

Pilatus PC-24: Based on 450 hours per year, first 7 years of airframe warranty, 5 years of engine warranty.  
 King Air 350i: Based on 350 hours per year, first 5 years under warranty, no engine, propeller or parts program.

NDOT G.L. #	G.L. TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	FY 2020 REQUEST	FY 2021 REQUEST
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E-712 - EFFICIENCY MEASURE - EQUIPMENT REPLACEMENT - AIRCRAFT REPLACEMENT

14-7301	Membership Dues - Hangar Rental	\$ 12,000	\$ 16,800
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Currently NDOT has a hangar in Las Vegas and a hangar in Carson City. NDOT's current facility at the Carson City airport has the land and infrastructure to expand and modernize the hangar facilities. There is alternate hangar space available at the Minden airport during the remodel or replacement construction for \$,1000 per month for the Citation or PC-24 aircraft. An additional airplane could be stored at Minden for \$800 per month. Hangars may be available on the Carson City airport, and a quote for this space is forthcoming.

Additional hangar rent pending hangar remodel:

	FY 2020	FY 2021	
Airplane hangar at Minden for one aircraft	\$ 12,000	\$ 12,000	\$1,000/mo. * 12 months
Airplane hangar at Minden for second aircraft		\$ 4,800	\$800/mo. * 6 months
	<u>\$ 12,000</u>	<u>\$ 16,800</u>	

TOTAL AIRPLANE OPERATIONS - CATEGORY 14	\$ (1,543,129)	\$ (887,304)
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ENHANCEMENT - EQUIPMENT REPLACEMENT - AIRCRAFT - E712	\$ 7,597,871	\$ 6,538,696
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NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 201-4660  
 BUDGET REQUEST FISCAL YEARS 2019-2020 AND 2020-2021  
 ENHANCEMENT

AGENCY REQUESTS  
 AUGUST 31, 2018

NDOT OBJECT	OBJECT TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED	2020 A00	2021 A00
<b>E720 EQUIPMENT - CATEGORY 05</b>			
<b>REVENUE - CATEGORY 00</b>			
00-2507	Highway Fund Authorization	\$ 11,687,500	\$ 3,575,000
<b>TOTAL REVENUE - CATEGORY 00</b>		<b>\$ 11,687,500</b>	<b>\$ 3,575,000</b>

**EQUIPMENT - CATEGORY 05**

As required by the budget instructions, expenses associated with the purchases of new equipment are included as an enhancement. This decision unit is requesting budget authority to purchase operational equipment items that will cost greater than \$5,000 and several specialized equipment items, all of which are detailed separately and are summarized below by object code.

	2020	2021
05-8274 ANNUAL SPECIALIZED EQUIPMENT (NDOT Operational Equipment)	<u>\$ 2,750,000</u>	<u>\$ 2,750,000</u>
Operational equipment includes a wide variety of equipment such as computers, office furniture, laboratory test equipment, shop tools and miscellaneous survey equipment.		
05-8270 HEADQUARTERS		
HQ Aspen Aerials A62T Under Bridge Inspection Truck	\$ 950,000	
HQ 1 Ton Passenger Van	\$ 50,000	
HQ 1 Truck Mounted Drill Rig on a Mack Cab & Chassis	\$ 600,000	
HEADQUARTERS TOTAL	<u>\$ 1,600,000</u>	<u>\$ -</u>
05-8270 DISTRICT I SPECIAL EQUIPMENT		
Dist 1 Front End Loader John Deer 544K or equal, 3yd bucket,	\$ 175,000	\$ -
Dist 1 3/4 Ton Pickup Truck, Diesel, 4WD, Crew Cab	\$ 33,000	\$ -
Dist 1 2 Tandem Axle Water Truck	\$ 460,000	\$ -
Dist 1 Superior Self-propelled Broom	\$ 65,000	\$ -
Dist 1 2 One ton Diesel, ext. cab with Stake bed and Lift Gate and message	\$ 134,000	\$ -
Dist 1 Snorkel Scissor lift model S3220 E or Equal-26 ft working height, 20ft	\$ 15,000	\$ -
Dist 1 CAT Model 304 E2 C Mini Excavator	\$ 50,000	\$ -
Dist 1 1 ton Diesel, ext. cab with dump bed	\$ 68,000	\$ -
DISTRICT I TOTAL	<u>\$ 1,000,000</u>	<u>\$ -</u>

NEVADA DEPARTMENT OF TRANSPORTATION  
 BUDGET ACCOUNT 201-4660  
 BUDGET REQUEST FISCAL YEARS 2019-2020 AND 2020-2021  
 ENHANCEMENT

AGENCY REQUESTS  
 AUGUST 31, 2018

NDOT OBJECT	OBJECT TITLE DESCRIPTION / JUSTIFICATION / DOCUMENTATION OF NEED			2020 A00	2021 A00
<b>E720 EQUIPMENT - CATEGORY 05</b>					
05-8270	DISTRICT 2 SPECIAL EQUIPMENT				
Dist 2	25 Ton Wren Trailer	\$	80,000	\$	-
Dist 2	1 Self Propelled Broom	\$	65,000	\$	-
Dist 2	1 Highway Paint Striper	\$	700,000	\$	-
Dist 2	2 One Ton Crew Cab	\$	120,000	\$	-
Dist 2	2 Rotary Snow Blowers	\$	2,600,000	\$	-
	DISTRICT 2 SPECIAL EQUIPMENT		<u>\$ 3,565,000</u>		<u>\$ -</u>
05-8270	DISTRICT 3 SPECIAL EQUIPMENT				
Dist 3	Semi Truck for Transport Trailer Mack Granite 64BT	\$	160,000	\$	-
Dist 3	Equipment Transport Trailer Trail-ese 55 Ton Sliding Axle	\$	100,000	\$	-
Dist 3	Mini-Excavator w/Hydraulic Thumb & Rubber Tracks	\$	105,000	\$	-
Dist 3	Front Loader Backhoe w/Hydraulic Thumb & Extendable Boom	\$	125,000	\$	-
Dist 3	Forklift DP30N5 - 6,000 Lb. Tier 4 Compliant Diesel Pneumatic Tire	\$	40,000	\$	-
Dist 3	PM10-Sweeper Elgin-Waterless Eagle Mounted on Freightliner M2	\$	350,000	\$	-
Dist 3	Genie TZ34 Trailer Mounted Z Boom	\$	30,000	\$	-
Dist 3	CW 16 - 9 Wheel Pneumatic Roller	\$	90,000	\$	-
	DISTRICT 3 SPECIAL EQUIPMENT		<u>\$ 1,000,000</u>		<u>\$ -</u>
05-8276	LOCATION EQUIPMENT				
	DJI Matrice600 with Velodyne LiDAR Package	\$	170,000	\$	-
	1 FARO Focus3D X330 Laser Scanner	\$	540,000	\$	-
	1 MCC 01A Sport Utility Vehicle	\$	35,000	\$	-
			<u>\$ 745,000</u>		<u>\$ -</u>
05-8270	LAB TRAILERS AND LAB TESTING EQUIPMENT				
B025	INFRARED SPECTROSCOPY FTIR	\$	55,000	\$	-
B025	CAMSIZER FOR TRAFFIC BEADS	\$	85,000	\$	-
B025	HYDRAULIC HAMMER/BREAKER	\$	62,500	\$	-
B797	CONSTRUCTION LAB TRAILERS (3 per year)	\$	825,000	\$825,000	
			<u>\$ 1,027,500</u>		<u>\$ 825,000</u>
			<u>\$ 11,687,500</u>		<u>\$ 3,575,000</u>
<b>ENHANCEMENT - NEW EQUIPMENT - E720</b>				<b>\$ 11,687,500</b>	<b>\$ 3,575,000</b>

# **Attachment B**

Cost Analysis for Vehicles greater than \$50k

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 11A Aerial Lift Truck	1 Units	\$130,982.25	\$130,982.25

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 11A

Item	Description	Quantity	Rate	Total Costs
1	Class 11A Unit	800 Estimated Hours	\$20.47	\$16,376.00
2	Labor related to the Task (Electrician II 32-05)	800 Estimated Hours	\$21.86	\$17,488.00
3	Department Labor Overhead		62.88%	\$10,996.45
	Estimated Average yearly Maintenance Cost of Class 11A			\$7,803.20
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$55,663.66

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$69.58****(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11A Unit	800 Estimated Hours	\$38.19	\$30,552.00
2	Labor related to the Task (Electrician II 32-05)	800 Estimated Hours	\$21.86	\$17,488.00
3	Department Labor Overhead		62.88%	\$10,996.45
	Estimated Average yearly Maintenance Cost of Class 11A			\$7,803.20
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$69,839.66

Note:

Average Cost per Hour = **\$87.30****(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Truck	800 Equipment Hours	\$34.45	\$27,560.00
2	Equipment Operator w/ all benefits (Electrician)	800 Man Hours	\$52.19	\$41,752.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	<b>Total</b>			\$72,512.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$90.64**

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 11E 1/2 Ton Dump Garbage Truck	1 Units	\$65,000.00	\$65,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 11E

Item	Description	Quantity	Rate	Total Costs
1	Class 11E	800 Estimated Hours	\$10.16	\$8,128.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11E			\$8,266.42
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$44,477.94

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$55.60**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11E	800 Estimated Hours	\$19.09	\$15,272.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11E			\$8,266.42
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$51,621.94

Note:

Average Cost per Hour = **\$64.53**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$32.00	\$25,600.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				\$73,480.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$91.85**

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 11F F550 Diesel Service Truck w/ Crane	1 Units	\$123,000.00	\$123,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 11F

Item	Description	Quantity	Rate	Total Costs
1	Class 11F	800 Estimated Hours	\$19.22	\$15,376.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11F			\$5,428.91
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$48,888.43</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$61.11**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11F	800 Estimated Hours	\$36.13	\$28,904.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11F			\$5,428.91
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$62,416.43</b>

Note:

Average Cost per Hour = **\$78.02**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$38.34	\$30,672.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$78,552.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$98.19**

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 11H 1 Ton Flat 10 ft Bed Diesel 4x4	1 Units	\$56,291.25	\$56,291.25

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 11D

Item	Description	Quantity	Rate	Total Costs
1	Class 11H	800 Estimated Hours	\$8.80	\$7,040.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11H			\$5,426.98
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$40,550.50

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$50.69

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11H	800 Estimated Hours	\$16.54	\$13,232.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11H			\$5,426.98
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$46,742.50

Note:

Average Cost per Hour = \$58.43

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$26.80	\$21,440.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	<b>Total</b>			\$69,320.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = \$86.65

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 11S F-450 with Hook Lift Crew Cab Diesel 4x4	1 Units	\$73,000.00	\$73,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 11S

Item	Description	Quantity	Rate	Total Costs
1	Class 11S	800 Estimated Hours	\$11.41	\$9,128.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11H			\$9,611.00
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$46,822.52

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$58.53

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11S	800 Estimated Hours	\$21.44	\$17,152.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11H			\$9,611.00
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$54,846.52

Note:

Average Cost per Hour = \$68.56

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$32.00	\$25,600.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				\$73,480.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = \$91.85



**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 13 Tandem Axle Dump with Plow/Sander	1 Units	\$300,000.00	\$300,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 13

Item	Description	Quantity	Rate	Total Costs
1	Class 13	800 Estimated Hours	\$46.88	\$37,504.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11F			\$10,599.57
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$76,187.09</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$95.23**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 13	800 Estimated Hours	\$88.13	\$70,504.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 11F			\$10,599.57
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$109,187.09</b>

Note:

Average Cost per Hour = **\$136.48**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$79.87	\$63,896.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.25	\$44,200.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$111,296.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$139.12**

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 14 Transport Truck	1 Units	\$151,500.00	\$151,500.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 14

Item	Description	Quantity	Rate	Total Costs
1	Class 14	800 Estimated Hours	\$23.67	\$18,936.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 14			\$5,213.68
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$52,233.20</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$65.29

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 14	800 Estimated Hours	\$44.50	\$35,600.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 14			\$5,213.68
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$68,897.20</b>

Note:

Average Cost per Hour = \$86.12

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$122.47	\$97,976.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$145,856.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = \$182.32

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 21 Self Propelled Broom	1 Units	\$70,000.00	\$70,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 21

Item	Description	Quantity	Rate	Total Costs
1	Class 21	800 Estimated Hours	\$10.94	\$8,752.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 21			\$3,906.81
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$40,742.33</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$50.93**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 21	800 Estimated Hours	\$20.56	\$16,448.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 21			\$3,906.81
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$48,438.33</b>

Note:

Average Cost per Hour = **\$60.55**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$23.53	\$18,824.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$66,704.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$83.38**

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 24 Sweeper	1 Units	\$70,000.00	\$70,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 24

Item	Description	Quantity	Rate	Total Costs
1	Class 24	800 Estimated Hours	\$10.94	\$8,752.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 24			\$9,748.75
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$46,584.27</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$58.23

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 24	800 Estimated Hours	\$20.56	\$16,448.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 24			\$9,748.75
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$54,280.27</b>

Note:

Average Cost per Hour = \$67.85

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$32.57	\$26,056.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$73,936.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = \$92.42

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 24 T PM 10 Compliant Sweeper	1 Units	\$350,000.00	\$350,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 24T

Item	Description	Quantity	Rate	Total Costs
1	Class 24T	800 Estimated Hours	\$54.69	\$43,752.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 24T			\$12,359.70
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$84,195.22

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$105.24**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 24T	800 Estimated Hours	\$102.81	\$82,248.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 24T			\$12,359.70
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$122,691.22

Note:

Average Cost per Hour = **\$153.36**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$128.31	\$102,648.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	<b>Total</b>			\$150,528.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$188.16**

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 25 Water Truck	1 Units	\$230,000.00	\$230,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 25

Item	Description	Quantity	Rate	Total Costs
1	Class 25	800 Estimated Hours	\$35.94	\$28,752.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 25			\$14,384.00
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$71,219.52

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$89.02

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 25	800 Estimated Hours	\$67.56	\$54,048.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 25			\$14,384.00
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$96,515.52

Note:

Average Cost per Hour = \$120.64

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$107.11	\$85,688.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				\$133,568.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = \$166.96

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 35 Front End Loader	1 Units	\$169,000.00	\$169,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 35

Item	Description	Quantity	Rate	Total Costs
1	Class 35	800 Estimated Hours	\$26.41	\$21,128.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 35			\$3,966.71
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$53,178.23</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$66.47**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 35	800 Estimated Hours	\$49.64	\$39,712.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 35			\$3,966.71
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				<b>\$71,762.23</b>

Note:

Average Cost per Hour = **\$89.70**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$89.14	\$71,312.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$119,192.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$148.99**

**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 40 Crack Sealer	1 Units	\$65,000.00	\$65,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 40

Item	Description	Quantity	Rate	Total Costs
1	Class 40	800 Estimated Hours	\$10.16	\$8,128.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 4C			\$4,399.69
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$40,611.21

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$50.76**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 40	800 Estimated Hours	\$19.09	\$15,272.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 4C			\$4,399.69
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
	<b>Total</b>			\$47,755.21

Note:

Average Cost per Hour = **\$59.69**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$19.25	\$15,400.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	<b>Total</b>			\$63,280.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$79.10**



**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 42 Rotary Snow Plow	1 Units	\$1,300,000.00	\$1,300,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 42

Item	Description	Quantity	Rate	Total Costs
1	Class 42	800 Estimated Hours	\$203.13	\$162,504.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 42			\$13,908.52
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$204,496.04

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = \$255.62

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 42	800 Estimated Hours	\$381.88	\$305,504.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 42			\$13,908.52
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
<b>Total</b>				\$347,496.04

Note:

Average Cost per Hour = \$434.37

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	No Equivalent Available. Specialty Vehicle only owned by DOTs. Needs to Be Purchasec			
2				
3				
<b>Total</b>				\$0.00

Note: Without long-term contract to cover initial equipment costs, equipment rate usec may be too low.

Average Cost per Hour = #DIV/0!

**ATTACHMENT B  
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 60 25 Ton Trailer with Hydraulic Ramp	1 Units	\$68,000.00	\$68,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 60

Item	Description	Quantity	Rate	Total Costs
1	Class 60	800 Estimated Hours	\$10.63	\$8,504.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 54			\$1,249.28
	Estimated Average yearly fuel cost (n/a)			\$0.00
<b>Total</b>				<b>\$34,836.80</b>

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$43.55**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 60	800 Estimated Hours	\$44.06	\$35,248.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 54			\$1,249.28
	Estimated Average yearly fuel cost (n/a)			\$0.00
<b>Total</b>				<b>\$61,580.80</b>

Note:

Average Cost per Hour = **\$76.98**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$53.13	\$42,504.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$55.85	\$44,680.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
<b>Total</b>				<b>\$90,384.00</b>

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **\$112.98**



**ATTACHMENT B**  
**NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date:

6/5/2019

Equipment	Quantity	Price	Total Costs
Class 83 Under Bridge Inspection Truck	1 Units	\$950,000.00	\$950,000.00

**FUNDING: FY 2018 Equipment - Category 05**

**(1) Costs for Purchasing Equipment, Operating and Maintaining**

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Operate Class 83

Item	Description	Quantity	Rate	Total Costs
1	Class 83	800 Estimated Hours	\$148.44	\$118,752.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 83			\$24,714.96
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
			<b>Total</b>	\$171,550.48

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hour:

Average Cost per Hour = **\$214.44**

**(2) Costs for Leasing, Operating and Maintaining**

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 83	800 Estimated Hours	\$279.06	\$223,248.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$19.25	\$15,400.00
3	Department Labor Overhead		62.88%	\$9,683.52
	Estimated Average yearly Maintenance Cost of Class 83			\$24,714.96
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,000.00
			<b>Total</b>	\$276,046.48

Note:

Average Cost per Hour = **\$345.06**

**(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment**

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	No Equivalent Available. Specialty Vehicle only owned by Bridge Owners. Needs to Be Purchaser			
2				
3				
			<b>Total</b>	\$0.00

Note: Without long-term contract to cover initial equipment costs, equipment rate user may be too low.

Average Cost per Hour = **#DIV/0!**

## New Aircraft Cost Comparisons

### Lease

- Aircraft lease assumption is a Dry Aircraft lease over a 10-year period.
- Lessor would provide a new aircraft as per lessee's specifications.
- Aircraft would need to be returned to lessor at the end of the 10-year period with a 28% or better value to retail. *10-year-old King Air 350's currently on the market have an average retail price of \$3,000,000. These airplanes have approximately half of the total time hours that NDOT would accrue on a King Air in 10 years' time. Doubling the total time on a leased airplane would drop the value of the aircraft significantly, possibly below 28% of retail value.*
- Approximate lease rate would be .90%-1% of retail value per month.
- Entitlement assumptions are that lessee would not receive entitlements associated with new airplane purchase.
- Lessor would receive all financial and tax benefits.
- Deposit required.
- Refurbishment (paint, interior, maintenance) payment at end of lease.

### King Air 350I

- Retail value in Special Missions configuration= \$8,650,000
- Yearly lease payment= \$934,200
- Monthly lease payment= \$77,850 (@.90%)
- Maintenance costs for leased airplane:

Year 1=	\$149,128 (400 hr. utilization)
Year 2=	\$128,846 (300 hr.)
Year 3=	\$167,946 (300 hr.)
Year 4=	\$185,346 (300 hr.)
Year 5=	\$174,846 (300 hr.)

*(Enrolled maintenance programs are subject to annual CPI adjustments)*
- Training costs= \$86,100 (3 pilots)

### Purchase

- Purchase would be at negotiated price. Currently at \$7,989,650.
- Purchase would include all negotiated extras and entitlements.
- Purchase would give NDOT all financial and tax incentives.
- Purchase would give NDOT residual value of aircraft at end of life.

- Maintenance costs for purchased airplane:  
*(Enrolled maintenance programs are subject to annual CPI adjustments)*

Year 1=	\$32,000
Year 2=	\$128,846
Year 3=	\$167,946
Year 4=	\$185,346
Year 5=	\$174,846
- Training costs= \$0 to \$27,800 (will vary/negotiable)
- Fuel cost per hour= \$642

### Charter

- There are no charter King Air 350s in the Reno/Carson area.
- The charter analysis is based on pre-positioning an aircraft from Sacramento weekly, room and board for two pilots, round trip flight or hourly charges and based on 4 round trips weekly between Carson City and Las Vegas.
- Preposition charges, monthly= \$12,000
- Crew expenses, monthly= \$4800
- Round trip flight charges, monthly= \$70,400
- Plus, fuel surcharges and applicable taxes

### Pilatus PC-24

#### Lease

- Retail value with options= \$11,000,000 (est.)
- Yearly lease payment= \$1,188,000
- Monthly lease payment= \$99,000 (@.90%)
- Maintenance cost for leased aircraft:

Year 1=	\$303,800 (400 hr. utilization)
Year 2=	\$303,800 (400 hr.)
Year 3=	\$303,800 (400 hr.)
Year 4=	\$303,800 (400 hr.)
Year 5=	\$303,800 (400hr.)

*(Enrolled maintenance programs are subject to annual CPI adjustments)*
- Training costs= \$79,200 (2 pilots)

## Purchase

- Purchase would be at negotiated price. Currently at \$10,335,000.
- Purchase would include all negotiated extras and entitlements.
- Purchase would give NDOT all financial and tax incentives.
- Purchase would give NDOT residual value of aircraft at end of life.
  
- Maintenance costs for purchased airplane:
  - Year 1= \$303,800
  - Year 2= \$303,800
  - Year 3= \$303,800
  - Year 4= \$303,800
  - Year 5= \$303,800*(Enrolled maintenance programs are subject to annual CPI adjustments)*
- Training costs= \$0 (2 pilots)
- Fuel cost per hour= \$426

## Charter

- There are no Pilatus PC-24s available for charter nearby.
- The charter analysis is based on pre-positioning a similar 8-10 seat aircraft from Sacramento weekly, room and board for two pilots, round trip flight or hourly charges and based on 4 round trips weekly between Carson City and Las Vegas.
- Charter rates vary depending on number of seats and type of airplane. This exercise uses an average cost per hour between an 8-seat airplane and a 10-seat airplane
  - Preposition charges, monthly= \$23,000
  - Crew expenses, monthly= \$4,800
  - Round trip flight charges, monthly= \$184,000
- Plus, fuel surcharges and applicable taxes

King Air 350I manufactured by Beechcraft/Textron Aviation  
Wichita, Kansas

PC-24 manufactured by Pilatus Aircraft  
Stans, Switzerland

Pilatus Business Aircraft  
Broomfield, Colorado

# **Attachment C**

List of Vehicles being Replaced Listed by Category



LICENSED EQUIPMENT ORDER COMBINED RECONCILIATION REPORT  
FY 19

<b>FY20 TOTALS</b>				<b>EST. COST</b>	<b>ACTUAL</b>	<b>AVAILABLE FUNDING</b>
			<b>D1 Replacement = \$2,000,000</b>	\$ 2,015,430.17	0.00	2,000,000.00
			<b>D2 Replacement = \$2,000,000</b>	\$ 2,018,407.97	0.00	2,000,000.00
			<b>D3 Replacement = \$2,000,000</b>	\$ 2,019,992.00	0.00	2,000,000.00
			<b>HQ Replacement = \$1,500,000</b>	\$ 1,500,000.00	0.00	1,500,000.00
			<b>Available = \$7,500,000</b>	<b>\$ 7,553,830.14</b>	<b>\$0.00</b>	<b>7,500,000.00</b>

LICENSED EQUIPMENT ORDER COMBINED RECONCILIATION REPORT  
 FY 19

PRTY	OLD UNIT #	NEW UNIT #	CLS	DESCRIPTION	LOC	REQ NO	EST. COST	P.O. NO	ACTUAL COST	OVER / SHORT BALANCE	ARRIVAL DATE	DATE RCVD IN ADVNTG
				<b>E710 Equipment Replacement</b>								
				<b>Replacement Units Dist I \$2,000,000.00</b>								
1	1202		13	Tandem Axle Cab & Chassis/Side Dump Body, Energy Absorption Model SS90m Attenuator, LED Arrow Board	C124		\$ 250,000.00			\$0.00		
2	0819		13	Tandem Axle Dump W/Front Plow, Wing Plow, Sander	C171		\$ 300,000.00			\$0.00		
3	0560		11E	F-450 Ext Cab, Dump bed, w/message Board, Bio-Diesel, Tow Package	C142		\$ 73,215.25			\$0.00		
4	1671		13	Tandem Axle Dump W/Front Plow, Wing Plow, Sander	C177		\$ 300,000.00			\$0.00		
5	2670		11A	Aerial Lift Truck, Bio-Diesel, Same specs as Unit 1665	C102		\$ 130,982.25			\$0.00		
6	3112		05	1/2 ton, 4x4, Ext Cab, Bio-Diesel with Survey Bed - Radio Pete Truck, Tow Package	C091		\$ 65,000.00			\$0.00		
7	2747		11E	F-450 Crew Cab & Chassis, Dump, w/message Board, Bio-Diesel, Tow Package	C145		\$ 73,215.25			\$0.00		
8	2753		11E	F-450 Crew Cab & Chassis, Dump, Bio-Diesel, Tow Package	C145		\$ 65,000.00			\$0.00		
9	0479		11E	F-450 dump bed, Crew Cab, w/message board, Bio-Diesel, Tow Package	C141		\$ 73,215.25			\$0.00		
10	1806		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C142		\$ 30,368.24			\$0.00		
11	1753		11E	F-450 Ext Cab & Chassis, Hook Lift, Dump Bed, Message Board, Bio-Diesel	C151		\$ 69,432.25			\$0.00		
12	2995		11E	F-450, Ext Cab 4X4, Dump Truck ,WITH PLOW, Diesel, Tow Package	C129		\$ 76,515.25			\$0.00		
13	3117			Replace with SUV, E-85	C101		\$ 31,616.49			\$0.00		
14	0619		11H	One Ton 10' bed Flat Rack, NO LIFT GATE, 4x4, Diesel, Tow Package	C173		\$ 56,291.25			\$0.00		
15	2824		40	<b>TM Crack Sealer Replacement needs conveyor belt to load material;</b>	C250		\$ 65,000.00			\$0.00		
16	0457		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C102		\$ 30,368.24			\$0.00		
17	0085		11S	F-450 w/hook lift, Crew Cab, Bio-Diesel, Tow Package	C155		\$ 73,000.00			\$0.00		
18	1080		05	1/2 Ton, Crew Cab, E-85, Tow Package	C145		\$ 30,368.24			\$0.00		
19	0630		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C721		\$ 30,368.24			\$0.00		
20	3065		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C101		\$ 30,368.24			\$0.00		
21	3066		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C160		\$ 30,368.24			\$0.00		
22	2973		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C101		\$ 30,369.24			\$0.00		
23	1758		40	Cimeline Magma M2	C120		\$ 70,000.00			\$0.00		
24	3156		05	1/2 Ton, Ext Cab, Short Bed, E-85, Tow Package	C113		\$ 30,368.25			\$0.00		
										\$0.00		
										\$0.00		
										\$0.00		
				<b>Total Replacement Dist I</b>		Total	<b>\$ 2,015,430.17</b>		\$0.00	<b>\$0.00</b>		

LICENSED EQUIPMENT ORDER COMBINED RECONCILIATION REPORT  
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PRTY	OLD UNIT #	NEW UNIT #	CLS	DESCRIPTION	LOC	REQ NO	EST. COST	P.O. NO	ACTUAL COST	OVER / SHORT BALANCE	ARRIVAL DATE	DATE RCVD IN ADVNTG
				<b>Replacement Dist II \$2,000,000.00</b>								
1	0610		01A	SUV	C202		\$ 31,616.49			\$0.00		
2	2107		01A	SUV	C201		\$ 31,616.49			\$0.00		
3	3299		01A	SUV	C201		\$ 31,616.49			\$0.00		
4	2153		03	3/4 Ton Pickup Truck, Crew Cab, Short Bed, Diesel, 4X4	C201		\$ 34,012.25			\$0.00		
5	0777		05	1/2 Ton Pickup Truck, Crew Cab, Short Bed, V8, 4X4	C201		\$ 27,473.25			\$0.00		
6	1483		13	Tandem Axle Dump, W/Front Plow, Wing Plow, Sander	C225		\$ 300,000.00			\$0.00		
7	1484		13	Tandem Axle Dump Truck Hooklift W/Front Plow, & Sander (No Wing)	C241		\$ 305,000.00			\$0.00		
8	0635		11E	1 Ton W/Dump Bed, Crew Cab, Pass Thru Liftgate, Gas Engine, 4X4	C237		\$ 69,381.25			\$0.00		
9	0203		03	3/4 Ton Pickup, Crew Cab, Short Bed, Diesel 4x4	C234		\$ 34,012.25			\$0.00		
10	0219		03	3/4 Ton Pickup, Crew Cab, Short Bed, Diesel 4x4	C271		\$ 42,288.25			\$0.00		
11	1247		35	Front End Loader, 4-1 Bucket	C236		\$ 169,000.00			\$0.00		
12	3253		03	3/4 Ton Pickup, Crew Cab, Long Bed, V8	C251		\$ 34,012.25			\$0.00		
13	0198		03	3/4 Ton Pickup, Crew Cab, Short Bed, V8	C272		\$ 34,012.25			\$0.00		
14	0629		13	Tandem Axle Dump W/Front Plow, Wing Plow, Sander	C237		\$ 300,000.00			\$0.00		
15	3284		63B	Programmable Message Board	C272		\$ 35,000.00			\$0.00		
16	2048		05	1/2 Ton Pickup Truck, Crew Cab, Short Bed, V8, 4X4	C242		\$ 27,473.25			\$0.00		
17	2303		03	3/4 Ton Pickup, Crew Cab, Short Bed, V8 4x4	C253		\$ 34,012.25			\$0.00		
18	2793		24	Self Propelled Broom	C234		\$ 70,000.00			\$0.00		
19	0647		11E	1 Ton W/Dump Bed, Crew Cab, Pass Thru Liftgate, Gas Engine, 4X4	C280		\$ 69,381.25			\$0.00		
20	1620		63A	Towable Arrow Board	C225		\$ 5,500.00			\$0.00		
21	1493		63A	Towable Arrow Board	C283		\$ 5,500.00			\$0.00		
22	2844		63A	Towable Arrow Board	C281		\$ 5,500.00			\$0.00		
23	1831		63A	Towable Arrow Board	C253		\$ 5,500.00			\$0.00		
24	1841		63A	Towable Arrow Board	C252		\$ 5,500.00			\$0.00		
25	2845		63A	Towable Arrow Board	C251		\$ 5,500.00			\$0.00		
26	1498		63A	Towable Arrow Board	C272		\$ 5,500.00			\$0.00		
27	1661		63A	Towable Arrow Board	C227		\$ 5,500.00			\$0.00		
28	2606		63A	Towable Arrow Board	C271		\$ 5,500.00			\$0.00		
29	2873		63A	Towable Arrow Board	C270		\$ 5,500.00			\$0.00		
30	2872		63A	Towable Arrow Board	C253		\$ 5,500.00			\$0.00		
31	2854		63B	Programmable Message Board	C234		\$ 35,000.00			\$0.00		
32	2853		63B	Programmable Message Board	C252		\$ 35,000.00			\$0.00		
33	1551		63B	Programmable Message Board	C272		\$ 35,000.00			\$0.00		
34	1846		63B	Programmable Message Board	C227		\$ 35,000.00			\$0.00		
35	3213		63B	Programmable Message Board	C270		\$ 35,000.00			\$0.00		
36	3214		63B	Programmable Message Board	C270		\$ 35,000.00			\$0.00		
37	1465		60	25 Ton Trailer W/ Hydraulic Ramp	C225		\$ 68,000.00			\$0.00		
				<b>Total Replacement Dist II</b>		<b>Total</b>	<b>\$ 2,018,407.97</b>		<b>\$0.00</b>	<b>\$0.00</b>		

LICENSED EQUIPMENT ORDER COMBINED RECONCILIATION REPORT  
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PRTY	OLD UNIT #	NEW UNIT #	CLS	DESCRIPTION	LOC	REQ NO	EST. COST	P.O. NO	ACTUAL COST	OVER / SHORT BALANCE	ARRIVAL DATE	DATE RCVD IN ADVNTG
				<b>Replacement Dist III \$2,000,000.00</b>								
				<b>ELKO MAINT</b>								
1	1622		13	Tandem Axle Dump Truck, reusing 1622 plow and sander	C327		\$ 265,000.00			\$0.00		
2	0194		13	Tandem Axle Dump Truck, reusing 0194 plow and sander	C331		\$ 265,000.00			\$0.00		
3	1262		35	John Deere 544 or Equal	C327		\$ 169,000.00			\$0.00		
4	1071		24	Self Propelled Road Broom	C351		\$ 70,000.00			\$0.00		
5	2791		24	Self Propelled Road Broom	C332		\$ 70,000.00			\$0.00		
6	0416		11H	1 Ton Flat Rack	C093		\$ 50,132.00			\$0.00		
7	2761		11F	2 Ton Mechanic's Service Truck	C723		\$ 123,000.00			\$0.00		
										\$0.00		
				<b>ELY MAINT</b>								
1	2164		13	Tandem Axle Dump Truck	C381		\$ 300,000.00			\$0.00		
2	2955		05	1/2 Ton PU, Crew Cab, 4X4	C307		\$ 29,000.00			\$0.00		
3	1056		24	Self Propelled Road Broom	C319		\$ 70,000.00			\$0.00		
4	1066		24	Self Propelled Road Broom	C319		\$ 70,000.00			\$0.00		
5	1597		63B	Programable Message Board	C724		\$ 35,000.00			\$0.00		
										\$0.00		
				<b>WINNEMUCA MAINT</b>								
1	0223		13	Tandem Axle Dump, With Plow and Sander	C371		\$ 300,000.00			\$0.00		
2	0098		01	Sedan	C304		\$ 22,045.00			\$0.00		
3	1576		21	Self Propelled road broom	C374		\$ 70,000.00			\$0.00		
4	2497		21	Self Propelled road broom	C371		\$ 70,000.00			\$0.00		
5	0152		05	1/2 ton Pick up truck	C304		\$ 30,815.00			\$0.00		
6	1385		63A	Tow type Arrow Board	C374		\$ 5,500.00			\$0.00		
7	2846		63A	Tow Type Arrow Board	C371		\$ 5,500.00			\$0.00		
										\$0.00		
				<b>Total Replacement Dist III</b>		<b>Total</b>	<b>\$ 2,019,992.00</b>		<b>\$0.00</b>	<b>\$0.00</b>		

LICENSED EQUIPMENT ORDER COMBINED RECONCILIATION REPORT  
FY 19

PRTY	OLD UNIT #	NEW UNIT #	CLS	DESCRIPTION	LOC	REQ NO	EST. COST	P.O. NO	ACTUAL COST	OVER / SHORT BALANCE	ARRIVAL DATE	DATE RCVD IN ADVNTG
				<b>Replacement HQ \$1,500,000.00</b>								
	1388		14	Transport Truck	C767		\$ 151,500.00			\$0.00		
	0944		01	Jeep with Lightbar and DMI			\$ 32,000.00			\$0.00		
	???		107	Ditch Witch MV800 Mud Vac System			\$ 40,000.00			\$0.00		
	???		04	1 Ton Van			\$ 34,500.00			\$0.00		
										\$0.00		
										\$0.00		
										\$0.00		
				<b>HQ D1 Construction</b>								
	0597			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2905			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2965			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2976			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0064			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0085			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0092			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0105			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0108			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0112			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0118			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0408			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0506			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0559			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0598			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0605			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0624			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0630			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0636			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	0820			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	1080			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	1980			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	1986			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2133			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2539			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2934			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2948			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2952			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2956			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2968			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2972			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2973			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	2978			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	3065			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	3066			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
	3067			1/2 Ton PU, Ext Cab, Short Bed, V8, 4X4			\$ 34,500.00			\$0.00		
										\$0.00		

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FY 19

PRTY	OLD UNIT #	NEW UNIT #	CLS	DESCRIPTION	LOC	REQ NO	EST. COST	P.O. NO	ACTUAL COST	OVER / SHORT BALANCE	ARRIVAL DATE	DATE RCVD IN ADVNTG
										\$0.00		
				<b>Total Replacement HQ</b>		<b>Total</b>	<b>\$ 1,500,000.00</b>		<b>\$0.00</b>	<b>\$0.00</b>		