



Department of Transportation
Board of Directors
Notice of Public Meeting
April 13, 2020 – 9:30 A.M.

*Revised April 9, 2020 | 9:00 A.M.
Item #6: pp. 41-45 have been replaced
with correct Instructions for Completing the
Disclosure of Ownership/Principals Form
for Contract #3817*

AGENDA

Per Governor Sisolak’s March 22, 2020 emergency directive, in-person public attendance is no longer required at the Regular Meeting of the Nevada Department of Transportation Board of Directors meeting on Monday, April 13, 2020 at 9:30 A.M. Governor Sisolak’s March 22, 2020 emergency directive suspends the requirement that there must be a physical location designated for meetings of a public body where members of the public are permitted to attend and participate in-person so long as participation is available.

The following are alternative ways for the public to participate in the April 13, 2020 meeting without having to be physically present:

- use our online Public Comment Form
- email PublicComment@dot.nv.gov

Public Comment received by 4:00 P.M. on the business day (excluding State holidays) prior to the meeting will be provided to the Board for their review prior to the meeting and will be entered into the permanent record.

Public Comment received after 4:00 P.M. on the business day (excluding State holidays) prior to the meeting and prior to 5:00 P.M. on the day of the meeting will be included in the permanent record.

To be in compliance with the 3 minute public comment rule, e-mail or on-line Public Comment Form comments will be limited to 450 words.

The Transportation Board of Director’s Meeting will be live-streamed on-line at www.nevadadot.com.

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1. Welcome / Call to Order/ Roll Call
Governor Steve Sisolak, Lieutenant Governor Kate Marshall, Controller Catherine Byrne, Virginia Valentine, Emil “B.J.” Almberg, Jr., Stephen Ascuaga
 2. 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



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- 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 (3) minutes.
3. Consideration of Annual Appointment of a Vice Chair to the Transportation Board of Directors pursuant to NRS 408.106(4).—*For possible action.*
 4. Consideration of Approval of the March 9, 2020 Nevada Department of Transportation Board of Directors Meeting Minutes.—*For possible action.*
 5. Receive Director’s Report.—*Informational item only.*
 6. Consideration of Approval of Contracts over \$5,000,000—*For possible action.*
 7. There is no Item 7 on this Agenda.
 8. Consideration of Approval of Agreements over \$300,000.—*For possible action.*
 9. 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.*
 10. Consideration of Approval of Nevada Department of Transportation Performance Management Measures and Targets.—*For possible action.*
 11. Provide an Overview of One Nevada Project Prioritization Process.—*Informational item only.*
 12. Provide an Overview of Project Labor Agreements.—*Informational item only.*
 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 (3) minutes.
 14. Executive Session —Receive information from legal counsel regarding potential and existing litigation involving a matter over which the Transportation Board of Directors has supervision, control, jurisdiction, or advisory power and to deliberate toward a decision on the matter (Note: This item may be closed to the public pursuant to NRS 241.015(3)(b)(2) in order to discuss legal matters.)—*For possible action.*
 15. Adjournment—*For possible action.*
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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 on-line or e-mail public comments to 450 words per e-mail or the on-line Public Comment Form, 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 view the meeting. If special arrangements for viewing the meeting are necessary, please notify Renee Jacobs at (775) 888-7440 or rjacobs@dot.nv.gov as soon as possible and at least two (2) days in advance of the meeting.
- Copies of non-confidential supporting materials provided to the Board are available on-line at www.nevadadot.com.

Due to the State of Nevada, Emergency Declaration, Directive 006,
this meeting will be available to be viewed by the public via online streaming.

This meeting has been properly noticed and posted at the following locations
in accordance with the State of Nevada Executive Department
Declaration of Emergency Director 006.

This agenda was posted at the following:

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

Nevada Public Notice Website
<https://notice.nv.gov/>



1263 South Stewart Street
Carson City, NV 89712
Phone: (775) 888-7440
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MEMORANDUM

April 13, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM #3: Consideration of annual appointment of a Vice Chair to the Transportation Board of Directors pursuant to NRS 408.016(4).— *For possible action.*

Summary:

The purpose of this agenda item is to recommend that the State Transportation Board of Directors appoint Lieutenant Governor Kate Marshall to serve as Vice Chair of the Transportation Board for the term of one (1) year pursuant to Nevada Revised Statute 408.106(4).

Background:

Pursuant to NRS 408.106(4), "The governor shall serve as chairman of the board and the members of the board shall elect annually a vice chairman."

Analysis:

It has been customary to appoint the Lieutenant Governor as the Vice Chair of the Transportation Board. Per the statute, this action is being taken formally to comply with NRS 408.106(4).

List of Attachment(s):

None.

Recommendation for Board Action:

It is recommended that the Board appoint Lieutenant Governor Kate Marshall to serve as Vice Chair of the Transportation Board of Directors.

Prepared by:

Renee Jacobs, Executive Assistant



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Meeting Locations:

1263 South Stewart Street
Third Floor Conference Room
Carson City, Nevada 89712

123 East Washington Avenue
Building B
Las Vegas, Nevada 89101

1. Welcome/Call to Order/Roll Call

Lieutenant Governor Kate Marshall called the meeting to order on Monday, March 9, 2020 at 9:30 AM. A roll call was conducted, and a quorum was established. The Lieutenant Governor relayed a message from Governor Sisolak that, regretfully, he was unable to attend the meeting today.

2. Public Comment

There were no public comments.

3. Consideration of Annual Appointment of a Vice Chair to the Transportation Board of Directors Pursuant to NRS 408.106(4) (For Possible Action)

There was no discussion or action on Agenda Item 3.

4. Consideration of Approval of the February 13, 2020 Nevada Department of Transportation Board of Directors Meeting Minutes (For Possible Action)

There were no corrections or changes to the Minutes.

Motion: Approve the February 13, 2020 Nevada Department of Transportation Board of Directors Meeting Minutes

By: Controller Catherine Byrne

Second: Member Stephen Ascuaga

Vote: Passed unanimously



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5. Receive Director's Report (Informational Item)

Director Swallow said the Department's focus on safety continues to be their number one priority. The data shows that safety should be the #1 priority and that 2020 has been a rough year so far. There have been 48 deaths, compared to only 40 last year. Of the 48, 19 were pedestrians, as compared to 15 last year. To shine a light on this, there's a red-carpet event coming up. An NDOT team member, Brad Horn, worked with stakeholders in Las Vegas and created a movie about pedestrian fatalities and the impacts that has on families and communities. The focus is all about pedestrian safety.

The Director said that, starting next month, she will be telling short stories that highlight the lives of the people lost. It's not 48 things, it's 48 people. She will also be talking about the five E's (Education, Enforcement, Engineering, Emergency Response, and Everyone). The "everyone" is important because everyone has a role in this.

Director Swallow then moved on to the topic of the I-580 exit number changes. When I-80 was finalized into an interstate, the state was required by federal law to sign it and post it by its interstate numbers. Interstate mileage. Carson City was changed last year and they will now be doing Northern Carson City through the Spaghetti Bowl starting this month. Exit numbers 43 to 68B will be replaced with new lower exit numbers that correspond to the I-580 mileage. For example, the current Damonte Ranch exit number is currently 59, and it will change to 26. The locations of the exits are not changing. The names are not changing, but the numbers are changing. In Northern Nevada, that really is a big deal because there are about 500 exits. You have to do those exits by numbers, and it's important that everybody knows about the changes. The local businesses need to know because a lot of them advertise based on the exit number. Emergency responders definitely need to know.

Director Swallow reported on the 2020 County Consultations. By federal law, the Department is required to a county consultation process as they work to develop the annual work program. County workshops have been moved to the spring so staff can hear county priorities and concerns. They will be starting with Humboldt County and eventually hit all 14 of the rural counties. Washoe and Clark use a different process through the MPOs. These are really informal workshops that run the gamut of issues and concerns in the local counties. Unfortunately, statewide, the Department doesn't have enough resources to do all of the things that everybody wants. This is one way of meeting with the counties where they're at, hearing their



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concerns, and helping them help the Department prioritize the items that they are going to address and bring into the annual work program.

The Director then walked Members through the new ATM sign system in Las Vegas. She showed a brief video that demonstrated examples of how the yellow warning signs work. They strive to protect emergency responders, so they don't have active traffic on both sides of them. The warning signs are now the new regulatory speed limits, so they are enforceable. The first sign tells you to merge. That lane closes, the second lane tells you to merge. That lane closes, now you merge one more lane over. You can see on the left that HOV signs do say open to all. And then when the lane's completely open, the HOV lane goes back to 2+ only and all lanes get green. The signs are at quarter-mile spacing. They will be using them to manage the speeds regularly, regardless of whether or not there's an incident. And it's going to be automatic. It's going to be based on the flow of traffic. The aim is to have everybody going a consistent, harmonized speed. The HOV lanes will still be allowed to go faster, but never more than a 15-mile-an-hour disparity.

State Controller Byrne had a question. What kind of outreach was the Department doing to inform drivers and residents?

Director Swallow replied they have a full communications plan with regular press releases out to the news organizations. The Department is trying to push it out as much as they can to let them know system will be different, but safer. The traffic people are already sending out the message to drive with the flow of traffic.

The Director shared some details about Nevada Moves Day. The Department will be conducting events across the districts and across the schools throughout the state. Some of the schools are doing official walks. Some of the schools are just recognizing the kids who did bike or walk to school. The whole point of this is to really help the kids understand how to safely traverse the system, whether it be on a bike or walking. When more people are biking and walking, the system ends up actually being safer for everyone. The Department is trying to make sure that they create good habits amongst students so that they grow up and they know how to use the system safely to and from school safely every day. There are actually some interesting studies that show that kids that bike and walk to school arrive more prepared to learn and have better learning outcomes.



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

Director Swallow said there was just one contract for the Board's consideration. It's a pavement rehabilitation project on I-15 and Sloan to north of Starr, excluding the limits of the Starr interchange that was recently paved. The Director asked if there were any questions, and there were none.

Motion: Approve Agenda Item 6
By: Member Virginia Valentine
Second: Controller Catherine Byrne
Vote: Passed unanimously

7. Consideration for Approval of Agreements over \$300,000 (For Possible Action)

Director Swallow said there were six items for the Board's consideration. She asked if there were any questions, and there were.

Controller Byrne asked on item number two, was this relating to her public outreach question about the ATM signs? Director Swallow responded no. Item two is actually for developing a department-wide system to manage the Department's customer service. But it's not the upfront communication plan.

Member Alberg asked about item number four. There was only a single proposer on that. Was there a reason why there was only a single proposer on that item? Ms. Sharon Foerschler responded staff believes that this was a case of resources. It was not a huge agreement and they just didn't have more proposers.

Member Alberg asked why did item number five only have two proposers? Is the Department down to two companies that are capable of providing this service to NDOT?

Ms. Foerschler responded that she does not believe they're down to two companies that can provide the services. She believes it's a situation of supply and demand. They've got some pretty big agreements that are ongoing right now and so they probably don't have the resources to draw other firms in to propose on these budgets.



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Member Alberg said he wanted to put on record that he thinks this is something that they do need to look at and try to encourage other users out there under companies that can provide this service to hopefully step up on board and try to provide these services. NDOT needs to do whatever they can to help them get up to speed so that they have more service providers available to them.

Ms. Foerschler said she agreed with Member Alberg. She said there are a number of firms that team with other firms in order to meet the needs for current proposals.

Lieutenant Governor Marshall asked if projects could be broken up either geographically or by product? Are there things that the Department could do to make it more competitive or to allow other companies to be able to bid?

Ms. Foerschler said the Department has done that. Both the SBX project and Project Neon were broken out in order to spread out the needs and give other firms an opportunity to bid.

Director Swallow added one of the things they're starting to see in the space in general is teams. And so, while they're awarding to one consultant, they have frequently teamed with multiple other consultants to get to that higher level. That is enabling more companies to get the skills that they might be able to propose in the future. It enables them to get experience with an NDOT project while not necessarily being the lead consultant.

Lieutenant Governor Marshall said the flipside of that is that people are working together and not competing against each other. And that works to the detriment of their current price points. There must be a balancing of competition and more teaming. The Lieutenant Governor asked if there were any other questions and there were none. She said she would accept a motion.

Motion: Approve Agenda Item 7
By: Member Stephen Ascuaga
Second: Controller Catherine Byrne
Vote: Passed unanimously



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8. Contract, Agreements, and Settlements (Informational Item)

Director Swallow said Agenda Item 8 is Contracts, Agreements, and Settlements that have been approved by the Director pursuant to the delegated authority given by the Board. It is an information item only and there were no accompanying presentations.

The Lieutenant Governor asked if there were any questions and/or comments, and there were none.

9. Consideration of Landowners Eugene L. Lepire and Judith L. Lepire Claim for \$495,000 (For Possible Action)

Director Swallow provided some background for Agenda Item 9, Consideration of Landowners Eugene H. Lepire and Judith L. Lepire's Claim for \$495,000 Compensation pursuant to NRS. The Lepires have filed the claim, and according to NRS, are coming to the Board before legal action should they choose to take that up. The staff recommendation is to deny the claim.

Lieutenant Governor Marshall asked if there was an issue with the Board not being able to respond because of potential litigation? What was the advice on that?

Mr. Gallagher, Counsel for the Board, responded given the statute under which this claim was filed, the matter is investigated by the Director or designee, and then it's presented to the Board. And the Board can accept the claim or deny the claim. If the claim is denied, it gives the property owner the opportunity to pursue it in district court.

Mr. Mike Pavlakis, representing Gene and Judy Lepire, explained the statute provides for compensation for injury to the land and property resulting in destruction or alteration of that property. This parcel was part of a larger tract. The Lepires have owned this particular piece of it for 47 years. On a neighboring property, they had installed a water valve which was serving the property. The water well was retained by the Lepires, and that water well was installed in 1989. In 2016, the Lepires received a letter from NDOT indicating that there was going to be a need to use their property, and NDOT was willing to enter into a lease for their property. The Lepires said they wouldn't do that; they were interested in selling. During the course of the



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construction, the property was used. The Lepires documented that the Department knocked down signage and was dumping on their property. They were claiming \$495,000 in damages. The Department has offered nothing.

Lieutenant Governor Marshall asked the Director what was the request that she was making of the Board today?

Director Swallow responded that it's an action item on the Board Agenda to consider their claim. And so, it would be a vote to approve or deny their claim. Or the Board could give them a motion to enter into further discussions and negotiations.

Member AlMBERG asked if the provided well log was from 1988 or 1989? Mr. Pavlakis said the letter from the well drilling was dated April 28, 1989.

Member AlMBERG said the report mentioned that there's an incomplete well out there. Was this a new well different than the well already referred to in the paperwork? Mr. Pavlakis said it was a different well.

Lieutenant Governor Marshall asked if there was a dispute over the well? Mr. Pavlakis said yes.

Member AlMBERG asked about the Lepire's access off of Highway 50. It was expressed that they always had access off of Highway 50 until this project came into play. Just because they had access does that mean now it's legal access?

Mr. Mortensen said as part of the construction project with U.S. State Parkway, they provided the access to their property from U.S. State Parkway and from U.S. 50 as well. With their location adjacent to that roundabout, they can't allow access that close to the roundabout for safety reasons and compliance standards.

Mr. Pavlakis responded that the Lepires historically have had access directly to Highway 50. And it's approximately two and a half miles to the Lepires' property to Highway 50.

Lieutenant Governor Marshall said if she understood correctly, there are two claims. One is that because you now have to drive two and a half miles whereas you didn't have to drive two and a half miles before to



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get to the road, that's a taking. And two, you no longer have access to a well, that's a taking as well. Mr. Pavlakis said that was correct.

The Lieutenant Governor asked if Mr. Pavlakis believed that the value of those two things was \$495,000? Mr. Pavlakis said that's what the property is worth. There's been a diminution in value of \$495,000.

Member Alberg said as far as access to Highway 50 along with this project, weren't there also other owners that had come in and had concern about access? What about frontage roads to allow access to the properties that have been modified?

Deputy Director Mortensen said in order to provide safe access to US 50, this project was designed with several frontage roads to allow safe access at the high-T intersections rather than the access that was out there previously.

Lieutenant Governor Marshall stated there needs to be some clarification whether or not there is a taking of a well, whether that was a legal well, and whether it's the same well. And, also, the Lieutenant Governor said it might be difficult to pay half a million dollars for having to drive two and a half miles. That sounds like maybe there could be some more negotiation there. That sounds a little high.

Lieutenant Governor Marshall said she would be inclined to go back to negotiation. Also, they don't have the Governor's input here. What were others' views?

Controller Byrne said she agreed with the Lieutenant Governor. She thought there should be more investigation.

Member Valentine asked if the test for compensation was that someone must drive longer to get access? She thought that was a really "dangerous" mistake to make in this case. And, as for the well, they need more information.



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Lieutenant Governor Marshall said it seemed that they all were in agreement to postpone a decision on this matter until further information was obtained, statutes were studied, and the Governor was in attendance.

Motion: Table Agenda Item 9
By: Member Virginia Valentine
Second: Controller Catherine Byrne
Vote: Passed unanimously

10. Resolution of Relinquishment (For Possible Action)

- a. Disposal of a portion of NDOT right-of-way, all of the Blue Diamond Drainage Channel, North of SR-160, in the County of Clark, State of Nevada (SUR 08-40)

Director Swallow said this drainage channel was obtained as part of an NDOT project. It is an easement within Union Pacific Railroad. The intent of the Department from the initial outset was to transfer it to Clark County. And the Department's relinquishment got transferred to Clark County already. There was no record of payment in acquiring it.

Motion: Approve Agenda Item 10
By: Controller Catherine Byrne
Second: Member Stephen Ascuaga
Vote: Passed unanimously



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11. Resolution of Relinquishment (For Possible Action)

- a. Disposal of multiple parcels of land in an area of the IR-15/Cactus Interchange, in the City of Las Vegas, County of Clark, State of Nevada (SUR 15-21)

Director Swallow said this Resolution of Relinquishment was for disposal of multiple parcels of land near I-15 and Cactus Interchange. It is a cleanup project, but the interchange is no longer in construction and NDOT doesn't need those pieces of land. They will go to Clark County, and Clark County has agreed to receive them.

Lieutenant Governor Marshall asked what was the value attached to those parcels? Craig Reynoldson, Chief Right-of-Way Agent, said \$8,360.

Motion: Approve Agenda Item 11
By: Member Virginia Valentine
Second: Controller Catherine Byrne
Vote: Passed unanimously

12. Resolution of Relinquishment (For Possible Action)

- a. Disposal of a portion of NDOT right-of-way, on Prater Way and View Street, City of Sparks, County of Washoe, State of Nevada (SUR 19-15)

Director Swallow said Item 12 was a Resolution of Relinquishment for disposal of portion of NDOT right-of-way on Prater Way and View Street in the City of Sparks. Washoe County has agreed to receive the land. Mr. Reynoldson, Chief Right-of-Way Agent, said the payment was \$100.

Motion: Approve Agenda Item 12
By: Member Stephen Ascuaga
Second: Controller Catherine Byrne
Vote: Passed unanimously



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13. Discussion of Nevada Department of Transportation Performance Management Measures and Targets (Informational Item Only)

Director Swallow reminded Members that in December they submitted their Performance Management Report as required by NRS to the Board and to LCB. When they did that, they mentioned it would be coming back with the discussion of what the measures and targets should be.

Sondra Rosenberg, Assistant Director of Planning, said the Board received a copy of the Annual Performance Management Report in December. Staff felt it was a good time to examine the measures that they've been reporting on for quite some time and see which ones may need some updating in line with their current strategies and performance. They also needed to update the auto required reporting mechanisms needed for performance measures, including various different required reports for federal highways. It's important that the performance measures are meaningful, aligned with their mission, vision, and goals, and inform the prioritization process. They don't report just to report. They do it to help inform resource allocation decisions and improve consistency with other requirements.

Ms. Rosenberg said they currently have 15 measures. Some of them have sub-parts. Their recommendations are:

Performance Measure Number 4, Streamlining Agreement Process. They have actually been exceeding that target for quite some time now. The current measure is to process 90% of agreements within 30 days. Last year, they were at 97%. Rather than up the percentage, they propose reducing the number of days. Staff is recommending a change to 20 days and keep the target at 90%.

Performance Measure Number 6, Reduce and Maintain Traffic Congestion. Staff is recommending changing that name to "Improve Reliability and Reduce Delay." They are really focused on reliability and delay rather than congestion, because congestion can be defined in a number of different ways. Congestion itself is also not meaningful when looking at a statewide measure. They are focusing on reliability and delay, and those are the measures that are actually recorded, and the targets are set based on that and also are in line with the federal requirements.

Performance Measure Number 12 Reduce Fatal and Serious Injury Crashes. The language is a bit confusing. They are trying to simplify the language similar to what the Director said at the beginning of this meeting.



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They don't want to get so caught up in statistics that they are losing focus on reducing fatalities and serious injuries. They are going from a projected number to the actual historical number.

Performance Measure number 8, Maintain State Highway Pavement. They are not changing the measure, but they are recommending a change to the target. The current target is to maintain 95% of all roadways in fair or better condition. They have not been meeting that for quite some time, if ever. It also is not necessarily the best use of their limited resources to maintain all roads at that high level. They are making the recommendation to have sort of a step-wise target level so that the highest category – Category 1 is interstates. And they step down from there based upon use of the roadways. Category 1 are interstates. Category 5 are roadways with less than 400 vehicles per day. The new proposed targets are really in line with balancing limited resources while still maintaining the assets in a way that makes the most sense fiscally.

Mr. Darin Tedford, Assistant Director for Operations, explained they've been using categories based on traffic for a very long time. About eight years ago they were trying to have everything in supreme or the very top condition. The 95% looks like that was happening, but the 95% was "fair or better." Fair is the middle. Their goal right now is to have every road above the middle.

Lieutenant Governor Marshall asked what exactly was changed in 2012? Mr. Tedford said they changed the "fair or better" part. The numbers changed a little bit. Effectively, their goal was 100%, very good condition. The range of conditions is very good, good, fair, mediocre, poor, or very poor. But before 2012, the goal was to do a percentage of the system every year.

Lieutenant Governor Marshall said she needed to understand whether staff was simply saying, "Well, I don't have enough money, so I need to diminish the quality that I maintain on my roads," or whether they were saying, "I don't need that quality. And so, I don't need to spend that money." That's a different issue.

Lieutenant Governor Marshall said she wasn't sure that the place to begin the conversation should be, "Well, this is how much money I have, so this is what I'm going to do." The place to begin the conversation should be, "This is what our needs are to maintain safety, quality, and the economy associated with our roads." The Lieutenant Governor said she would like to have a better understanding of whether or not this performance measure is the former or the latter part.



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Director Swallow said the Category 1 roads have the highest volume of traffic on them. If those roads have degraded beyond fair, it will be a significant safety impact to a large number of people. That next category down, Category 2, you're starting to look at our 95, 93, U.S. 50. And so, again, higher volume roads, it's more critical to maintain those at that higher level. When you get down to Category 5, they've allowed that to degrade actually to a level below what they think is reasonable. They think they should raise that up to at least 50% of those roads are in fair or better condition.

They've approached this with the perspective of what makes most sense in terms of how they spend their resources. They certainly could establish 95% fair or better conditions. If they do that, it will impact their ability to meet their growing needs. Bottom line: it's a balance. They are having conversations with other groups regarding SCR3 in terms of how to fund the system overall. Even in those conversations, they are not suggesting that the whole system be at 95% fair or better. With degradation, there are safety issues. But the safety issues are not as great on those lower volume roads as they are on the higher volume roads.

Mr. Tedford gave Members some numbers on the categories: Category 1 is the interstate. It's about 10% of the roads. Category 2 (U.S. routes like U.S. 50, 95, U.S. 50A) are about 20%. Category 3 (state routes) are about 25%. Category 4 (lesser known routes) are about 20%. And Category 5 (a lot of frontage roads) are about 25%.

Lieutenant Governor Marshall wanted clarification for Category 3. The current status is 94.3, and staff is suggesting that they let that degrade to 85? And don't put the resources there if it starts to degrade until it gets down to 85, is that right?

Mr. Tedford answered yes. They have two programs that are maintaining all the roads in the state. The total ends up being almost 6,000 centerline miles right down the center of the road. The first program focuses on the interstate in terms of value, by traffic, and the importance for safety. The Department is spending a lot of preservation money on those roads. The other program is called "betterments" to keep the mid-range of roads in good condition. Betterments can be thin surface treatments, slurry seal, or chip seals going on the roads.

Lieutenant Governor Marshall asked in terms of where the rest of the country is and where the Department thinks they should be, is "fair" good enough?



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Mr. Tedford responded that when they say “fair or better” they’re describing keeping a percentage of those roads above the middle. Right now, there is a distribution. Category 1 is pretty heavily weighted, and they’re very good. It’s above fair. Instead of getting more technical and splitting these out before, like we were 20% is very good, 20% is good, so on and so forth, staff just cut the line in the middle like fair or better. And that’s the percentage they had. There’s a distribution above fair. It’s not like, just at fair. It’s above that.

Director Swallow said if all of their roads could be in “very good” condition that would be fantastic. But she doesn’t think they can reasonably do that, and it doesn’t help them meet the needs of their growing state. The Department hasn’t been allocating resources wisely. The Director would like to see them move to a place where they are maintaining and improving the majority of the network. And if they can start allocating their resources along these lines, then they can have another conversation about what it means to start bringing them back up broadly.

To do this, they would need to go from a \$105 million investment to \$225 million. Annually, they spend between \$600 and \$800 million on their program. And so, that represents doing one less new interchange.

They can certainly get to 95% are fair or better condition over a period of about ten years. They can do that. But they would need to invest even more in preservation than what the maintenance line reflects. And to do that then, there would be two new interchanges that would not be constructed. These are hard conversations and discussions.

The Board can help guide staff as they work on the Annual Work Program. All parties need to understand that there will be shifting of resources so that the Annual Work Program can come forward with the level of spending reflective of meeting those goals. It hasn’t been that way in the past.

Ms. Rosenberg moved on to Performance Measure 14, Maintain State Bridges. They are proposing new measures more in line with federal requirements and want to shift that to percentage of bridge inventory considered to be in good and poor conditions. Greater than 35% in good condition and less than 7% in poor condition. The state is currently tracking better than the federal requirements. Director Swallow said the old target wasn’t in good alignment and the new target is more meaningful. It will ensure the Department is replacing the right bridges when they’re needed to be replaced.



Nevada Department of Transportation

Board of Directors • Meeting Minutes

March 9, 2020

9:30 A.M.

Ms. Rosenberg said another proposed new measure is in line with Senate Bill 254 in the government's executive order on greenhouse gas emissions. The Department is proposing to add an annual greenhouse gas emissions from the Transportation Sector in Nevada. The target and measure may be refined as they start developing those strategies. But currently, in recognition of this being a statewide priority, they are going to at least start tracking it.

Ms. Rosenberg closed by saying they want to make sure these performance measures are meaningful, that the measures are informing resource decisions, and that they help with the prioritization process that they've been talking about.

An unidentified speaker asked if it would be possible to get a color-coded map that would show the categories across the state. Ms. Rosenberg said that map already exists. She will make sure everyone gets an updated one ASAP.

Lieutenant Governor Marshall asked when they were talking about costs, were they talking about bonding or operating costs?

Director Swallow said this would just be out of their regular budget. If they wanted to do a whole bunch the first year, they might be able to float a bond. When they talk about bonding, they do wholesale across the program and that would be something they would be talking about as far as the budget cycle and as part of the annual work program to identify where bonding needs may be.

Lieutenant Governor Marshall said she really appreciated getting this information. She said to expect a long conversation at the next meeting when Governor Sisolak was there.



Nevada Department of Transportation

Board of Directors • Meeting Minutes

March 9, 2020

9:30 A.M.

14. Provide an Overview of Project Labor Agreements (Informational Item Only)

Lieutenant Governor Marshall said she would like to move this agenda item to the next meeting when the Governor would be there.

Director Swallow said that would be fine. When it comes back next month, it will be an information item only and then any policy direction from the Board they'll be seeking the following month. And going forward, the Director would like to follow a new format: the information will be presented at Board Meeting 1 and then the vote will be at Board Meeting 2. This will give the public and the Board plenty of time to formulate questions and feedback.

15. Public Comment

There was one comment from Aleta Dupree from Las Vegas. Aleta Dupree had high praise for the I-15 HOV lanes saying that Las Vegas was a 24-hour town, and it's reasonable that they have HOV lanes on a 24-hour basis. The 24-hour regulations are judicious and enforcement of laws on HOV lanes is essential. It's important that staff be out there looking for people who are impaired. And moving forward in policy matters, NDOT should continue to innovate and keep working on the electric highway.

16. Executive Session

There was no Executive Session.

17. Adjournment (For Possible Action)

The Lieutenant Governor thanked everyone and said she would accept a motion to adjourn.

Motion: Adjourn the March 9, 2020 Nevada Department of Transportation Board of Directors Meeting
By: Controller Catherine Byrne
Second: Member Virginia Valentine
Vote: Passed unanimously



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MEMORANDUM

April 3, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM # 6: Consideration for Approval of Contracts Over \$5,000,000 – *For possible action*

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 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 February 7, 2020, through March 20, 2020.

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 Contracts for Approval, February 7, 2020, through March 20, 2020.

MEMORANDUM

Department of Transportation Board of Directors

April 3, 2020

Page 2 of 2

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
February 7, 2020 through March 20, 2020

1. January 30, 2020 at 2:30 PM the following bids were opened for Contract **3812**, Project No. SPSR-0596(001), on SR 596 Jones Blvd, south of US 95, and north to Smoke Ranch Road, in Clark County, to pulverize, roadbed modification, place plantmix bituminous surface with open grade, and construct ADA improvements.

Las Vegas Paving Corporation	\$5,863,000.00
Aggregate Industries SWR, Inc.	\$7,083,999.00

Engineer's Estimate \$6,911,357.11

The Director recommends award to Las Vegas Paving Corporation in the amount of \$5,863,000.00.

2. March 6, 2020 at 1:30 PM the following bids were opened for Contract **3819-READV**, Project No. NHP-395-2(044), on US 395, Parr-Dandini Interchange, in Washoe County, to remove and replace bridge Structure #-1306; Phase 1A.

Q & D Construction LLC	\$8,034,000.00
Granite Construction Company	\$8,520,520.00
Security Paving Company, Inc.....	\$9,551,507.73
Road and Highway Builders LLC	\$9,959,959.00

Engineer's Estimate \$7,719,491.20

The Director recommends award to Q & D Construction LLC in the amount of \$8,034,000.00.

3. March 12, 2020 at 1:30 PM the following bids were opened for Contract **3817**, Project No. SPF-050-4(029), on US 50 Austin, from 0.52 miles east of SR 305 to east side of town, in Lander County, to pulverize existing roadbed, roadway excavation, roadway modification with plantmix bituminous surface and open grade. Replace waterline and line sewer line.

Sierra Nevada Construction, Inc.....	\$9,194,007.00
Road and Highway Builders LLC	\$9,878,878.00

Engineer's Estimate \$7,596,297.90

The Director recommends award to Sierra Nevada Construction, Inc. in the amount of \$9,194,007.00.

Line Item 1



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

MEMORANDUM
Administrative Services

February 21, 2020

To: Kristina Swallow, Director
Clifford Lawson, Deputy Director, Project Delivery
Darin Tedford, Assistant Director, Operations

From: Tianne Simpson, Contract Services Manager – Administrative Services 

Subject: Concurrence in Award for Contract No. 3812, Project No. SPSR-0596(001), on SR 596 Jones Blvd, south of US 95, and north to Smoke Ranch Road, in Clark County, described as pulverize, roadbed modification, place plantmix bituminous surface with open grade, and construct ADA improvements. The Engineer's Estimate is \$6,911,357.11.

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

Bid proposals were opened on January 30, 2020. Las Vegas Paving Corporation is the apparent low bidder at \$5,863,000.00 and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Aggregate Industries SWR, Inc. with a bid of \$7,083,999.00.

The project is State funded; required 9.33% SBE participation; and Bidder's Preference was applied but did not affect the successful contractor's ranking.

The subcontractor and supplier listings submitted by the Las Vegas Paving Corporation have been reviewed and confirmed by Contract Services. The SBE information submitted by the Las Vegas Paving Corporation has been reviewed and certified by the External Civil Rights office. Las Vegas Paving Corporation has met the required SBE participation with a 9.38% commitment. The bid is below the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair has provided his 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.

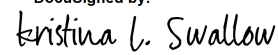
Concurrence to award:

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Clifford Lawson, Deputy Director

DocuSigned by:

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Darin Tedford, Assistant Director

DocuSigned by:

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Kristina Swallow, Director

Attachments:
Unofficial Bid Results Report
DBE Sub Approval
BRAT Report



Nevada Department of Transportation
Unofficial Bid Results
 January 30, 2020

Contract Number: 3812	Bid Opening Date and Time: 1/30/2020 2:30 PM
Designer: Christopher Deal	Liquidated Damages: \$5,300.00
Senior Designer: Samantha Dowd	Working Days: 120
Estimate Range: R27 \$6,600,000.01 to \$7,950,000	District: District 1
Project Number: SPSR-0596(001)	

County: Clark
Location: SR 596 Jones Blvd, south of US 95, and north to Smoke Ranch Road.
Description: Pulverize, roadbed modification, place plantmix bituminous surface with open grade, and construct ADA improvements.

	Actual Bid
Apparent Low Bidder: Las Vegas Paving Corporation	\$5,863,000.00
Apparent 2nd: Aggregate Industries SWR, Inc.	\$7,083,999.00

Bidders:	Certificate of Eligibility	Actual Bid Amount
1 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	✓	\$5,863,000.00
2 Aggregate Industries SWR, Inc. 4675 West Teco Ave #140 Las Vegas, NV 89118 (702) 649-6250	✓	\$7,083,999.00



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MEMORANDUM
Contract Compliance

February 20, 2020

To: Doug Benamati, Deputy Chief – Administrative services

From: Paulita De La Cruz, DBE Specialist

DocuSigned by:

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Subject: NDOT Bidder SBE Information – Contract no. 3812, SR 596 Jones Blvd, south of US 95, and north to Smoke Ranch Road, Clark County

Apparent low bid: \$ 5,863,000.00

The SBE information for C and S Company Inc. submitted by the apparent low bidder, Las Vegas Paving Corporation, Inc. has been received by the DBE Program office and we have concluded:

C and S Company Inc. holds an active State of Nevada business and Nevada State Contractors Board licenses and is a Nevada certified SBE firm. C and S Company Inc. is clear of State disqualification and Federal exclusion

The SBE goal of 9.33% has been met with a 9.38% SBE committed participation by the apparent low bidder Las Vegas Paving Corporation.

The SBE firm is approved for this contract.

cc: Contract Services
Contract Compliance
Teri Lewis, DBE/Title VI Manager



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MEMORANDUM
Administrative Services

February 19, 2020

To: Doug Benamati, ASO - Administrative Services
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract # 3812

The Bid Review and Analysis Team (BRAT) met on February 11, 2020 to discuss bids for the above referenced contract. The following were in attendance:


- Scott Hein, Chief Design Engineer
- Doug Benamati, Admin Services Officer
- Casey Connor, Professional Engineer
- Christopher Deal, Associate Engineer
- Samantha Dowd, Professional Engineer
- Lauren Fissel, Associate Engineer
- Stephen Lani, Professional Engineer
- Eric Macgill, Associate Engineer
- Arthur Swisher, Program Officer
- Michael West, Associate Engineer

Via Phone:
Nathan Enos, Associate Engineer
Kevin Maxwell, 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, Las Vegas Paving Corporation, submitted a bid which is 85% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

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Scott Hein, BRAT Co-Chair

cc: Attendees;
Sharon Foerschler, BRAT Co-Chair
Dennis Gallagher, Legal
Design Admin

Bid Tabulation

January 30, 2020

Contract No.: 3812
Description: Pulverize, roadbed modification, place plantmix bituminous surface with open grade, and construct ADA improvements.
Location: SR 596 Jones Blvd, south of US 95, and north to Smoke Ranch Road.
Bid Opening: January 30, 2020, 2:30 PM

Project No.: SPSR-0596(001)
Project Id: 73937
County: Clark
Range: R27 \$6,600,000.01 to \$7,950,000
Working: 120

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Aggregate Industries SWR, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2000100	50.000	HOUR	SURVEY CREW	\$233.23	\$11,661.50	\$250.00	\$12,500.00	\$255.00	\$12,750.00
2020480	13.000	LINFT	REMOVE HANDRAIL	\$50.00	\$650.00	\$16.00	\$208.00	\$130.00	\$1,690.00
2020935	1,418.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$70.00	\$99,260.00	\$164.00	\$232,552.00	\$190.00	\$269,420.00
2020990	9,345.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$5.00	\$46,725.00	\$2.50	\$23,362.50	\$4.00	\$37,380.00
2021040	1.000	EACH	REMOVAL OF DROP INLET	\$2,000.00	\$2,000.00	\$2,900.00	\$2,900.00	\$3,010.00	\$3,010.00
2030140	13,626.000	CUYD	ROADWAY EXCAVATION	\$35.00	\$476,910.00	\$23.00	\$313,398.00	\$42.00	\$572,292.00
2070110	5.300	CUYD	GRANULAR BACKFILL	\$310.00	\$1,643.00	\$280.00	\$1,484.00	\$290.00	\$1,537.00
3020130	869.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$40.00	\$34,760.00	\$12.50	\$10,862.50	\$200.00	\$173,800.00
3050140	72,670.000	SQYD	PROCESSING FOR ROADBED MODIFICATION	\$4.00	\$290,680.00	\$3.30	\$239,811.00	\$3.00	\$218,010.00
3050190	72,670.000	SQYD	PULVERIZE EXISTING SURFACE	\$2.50	\$181,675.00	\$1.25	\$90,837.50	\$2.65	\$192,575.50
3050220	575.000	TON	PORTLAND CEMENT	\$175.00	\$100,625.00	\$160.00	\$92,000.00	\$180.00	\$103,500.00
4020190	25,641.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$92.00	\$2,358,972.00	\$83.00	\$2,128,203.00	\$93.00	\$2,384,613.00
4030120	3,078.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$125.00	\$384,750.00	\$117.00	\$360,126.00	\$110.00	\$338,580.00
4070080	72,670.000	SQYD	SEAL COAT	\$2.00	\$145,340.00	\$0.80	\$58,136.00	\$0.18	\$13,080.60
4070190	2.560	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$1,250.00	\$3,200.00	\$600.00	\$1,536.00	\$1,250.00	\$3,200.00
5020720	0.880	CUYD	CLASS A CONCRETE (MINOR)	\$4,400.00	\$3,872.00	\$12,000.00	\$10,560.00	\$5,745.00	\$5,055.60
5020731	555.100	CUYD	CLASS A CONCRETE (ISLAND PAVING) (SPECIAL)	\$475.00	\$263,672.50	\$650.00	\$360,815.00	\$570.00	\$316,407.00
5050100	4,147.000	POUND	REINFORCING STEEL	\$5.50	\$22,808.50	\$2.00	\$8,294.00	\$2.10	\$8,708.70
5060110	409.000	POUND	STRUCTURAL STEEL	\$12.00	\$4,908.00	\$4.25	\$1,738.25	\$3.60	\$1,472.40
5060860	13.000	LINFT	HAND RAIL	\$150.00	\$1,950.00	\$250.00	\$3,250.00	\$265.00	\$3,445.00
6090260	5.000	EACH	ADJUSTING MANHOLE COVERS (METHOD B)	\$1,850.00	\$9,250.00	\$1,400.00	\$7,000.00	\$1,450.00	\$7,250.00
6090270	61.000	EACH	ADJUSTING MANHOLE COVERS (METHOD C)	\$1,200.00	\$73,200.00	\$1,400.00	\$85,400.00	\$1,470.00	\$89,670.00
6090600	7.000	EACH	ADJUSTING VALVE COVERS (METHOD B)	\$659.70	\$4,617.90	\$830.00	\$5,810.00	\$865.00	\$6,055.00
6090610	48.000	EACH	ADJUSTING VALVE COVERS (METHOD C)	\$800.00	\$38,400.00	\$780.00	\$37,440.00	\$865.00	\$41,520.00
6130110	3.000	SQYD	GRIND CONCRETE SURFACE	\$500.00	\$1,500.00	\$550.00	\$1,650.00	\$700.00	\$2,100.00
6130130	80.700	SQYD	DETECTABLE WARNINGS	\$400.00	\$32,280.00	\$475.00	\$38,332.50	\$315.00	\$25,420.50
6130350	14,819.000	LINFT	CLASS A CONCRETE GLUE DOWN CURB (TYPE A)	\$4.00	\$59,276.00	\$6.50	\$96,323.50	\$10.45	\$154,858.55
6130690	177.000	LINFT	CLASS A CONCRETE CURB AND GUTTER (TYPE 5)	\$18.50	\$3,274.50	\$30.00	\$5,310.00	\$38.25	\$6,770.25
6131100	67.000	SQYD	CLASS A CONCRETE SIDEWALK (4-INCH)	\$70.00	\$4,690.00	\$57.50	\$3,852.50	\$62.75	\$4,204.25
6131250	456.000	SQYD	CLASS A CONCRETE DRIVEWAY (9-INCH) (REINFORCED)	\$120.00	\$54,720.00	\$126.00	\$57,456.00	\$92.75	\$42,294.00
6131420	914.000	SQYD	CLASS A CONCRETE RAMP (4-INCH)	\$110.00	\$100,540.00	\$118.00	\$107,852.00	\$88.95	\$81,300.30
6190260	26.000	EACH	OBJECT MARKERS, TYPE 2	\$75.00	\$1,950.00	\$59.00	\$1,534.00	\$100.00	\$2,600.00
6210100	4.000	EACH	PERPETUATE SURVEY MONUMENTS	\$1,820.00	\$7,280.00	\$1,200.00	\$4,800.00	\$840.00	\$3,360.00
6230230	8.000	EACH	NO. 5 PULL BOX	\$800.00	\$6,400.00	\$1,275.00	\$10,200.00	\$1,340.00	\$10,720.00
6230232	4.000	EACH	NO. 5 PULL BOX, MODIFIED	\$970.00	\$3,880.00	\$1,450.00	\$5,800.00	\$1,505.00	\$6,020.00
6230236	17.000	EACH	NO. 7 PULL BOX, MODIFIED	\$1,400.00	\$23,800.00	\$1,540.00	\$26,180.00	\$1,595.00	\$27,115.00
6230267	9.000	EACH	LUMINAIRE, TYPE A	\$750.00	\$6,750.00	\$750.00	\$6,750.00	\$1,003.00	\$9,027.00
6230570	2.000	EACH	STEEL POLE, TYPE 7	\$4,700.00	\$9,400.00	\$8,100.00	\$16,200.00	\$8,600.00	\$17,200.00
6230625	6.000	EACH	STEEL POLE, TYPE 30	\$16,500.00	\$99,000.00	\$21,600.00	\$129,600.00	\$22,300.00	\$133,800.00
6230715	77.000	EACH	MODIFY TRAFFIC SIGNAL HEAD	\$300.00	\$23,100.00	\$350.00	\$26,950.00	\$365.00	\$28,105.00
6230770	6.000	EACH	PEDESTRIAN PUSH BUTTON WITH SIGN	\$1,570.00	\$9,420.00	\$1,260.00	\$7,560.00	\$1,305.00	\$7,830.00
6230775	98.000	EACH	LOOP DETECTOR	\$700.00	\$68,600.00	\$750.00	\$73,500.00	\$1,035.00	\$101,430.00
6231056	3.000	EACH	MODIFY SIGNAL CABINET	\$1,500.00	\$4,500.00	\$3,450.00	\$10,350.00	\$3,900.00	\$11,700.00
6231259	1,172.000	LINFT	ETHERNET CABLE	\$2.00	\$2,344.00	\$2.20	\$2,578.40	\$3.35	\$3,926.20
6231325	16.000	EACH	REMOVAL OF EXISTING TRAFFIC SIGNAL HEAD	\$450.00	\$7,200.00	\$1,100.00	\$17,600.00	\$1,140.00	\$18,240.00
6231635	3.000	EACH	MODIFY ELECTRICAL SERVICE	\$700.00	\$2,100.00	\$860.00	\$2,580.00	\$1,115.00	\$3,345.00
6231790	268.000	LINFT	1 1/4-INCH CONDUIT	\$4.00	\$1,072.00	\$33.00	\$8,844.00	\$34.55	\$9,259.40
6231805	11.000	LINFT	2-INCH CONDUIT	\$15.00	\$165.00	\$200.00	\$2,200.00	\$210.00	\$2,310.00
6231820	1,970.000	LINFT	3-INCH CONDUIT	\$20.00	\$39,400.00	\$35.00	\$68,950.00	\$36.00	\$70,920.00
6231975	2,369.000	LINFT	NO. 6 CONDUCTOR	\$1.30	\$3,079.70	\$2.12	\$5,022.28	\$3.35	\$7,936.15
6231980	2,800.000	LINFT	NO. 8 CONDUCTOR	\$1.20	\$3,360.00	\$1.62	\$4,536.00	\$2.80	\$7,840.00
6231985	682.000	LINFT	NO. 10 CONDUCTOR	\$1.00	\$682.00	\$1.08	\$736.56	\$4.50	\$3,069.00
6232225	2.000	EACH	STEEL POST, 30-FOOT	\$11,000.00	\$22,000.00	\$7,990.00	\$15,980.00	\$8,300.00	\$16,600.00
6232495	7.000	EACH	SIGNAL HEAD 2W3C/4C, BRACKET	\$2,700.00	\$18,900.00	\$3,670.00	\$25,690.00	\$3,800.00	\$26,600.00

Bid Tabulation January 30, 2020

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Aggregate Industries SWR, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6232540	8.000	EACH	SIGNAL HEAD 1W4C, MAST ARM	\$1,200.00	\$9,600.00	\$2,560.00	\$20,480.00	\$2,645.00	\$21,160.00
6232554	1.000	EACH	SIGNAL HEAD 1W4C, POST TOP	\$2,000.00	\$2,000.00	\$5,500.00	\$5,500.00	\$5,700.00	\$5,700.00
6232675	40.000	SQFT	REMOVE TRAFFIC SIGNAL SIGNS	\$30.00	\$1,200.00	\$32.00	\$1,280.00	\$33.50	\$1,340.00
6232680	279.000	SQFT	TRAFFIC SIGNAL SIGNS	\$80.00	\$22,320.00	\$70.00	\$19,530.00	\$72.50	\$20,227.50
6233040	21.000	EACH	RECTANGULAR RAPID FLASHING BEACON	\$1,700.00	\$35,700.00	\$1,800.00	\$37,800.00	\$1,895.00	\$39,795.00
6233045	9.000	EACH	RECTANGULAR RAPID FLASHING BEACON CONTROLLER (TYPE 1)	\$5,000.00	\$45,000.00	\$4,300.00	\$38,700.00	\$4,700.00	\$42,300.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$185,500.00	\$185,500.00	\$185,500.00	\$185,500.00	\$185,500.00	\$185,500.00
6240140	120.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$700.00	\$84,000.00	\$895.00	\$107,400.00	\$800.00	\$96,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$753,410.00	\$753,410.00	\$78,000.00	\$78,000.00	\$341,500.00	\$341,500.00
6270022	1.000	EACH	PERMANENT OVERHEAD SIGN PANEL, RECONSTRUCT	\$2,800.00	\$2,800.00	\$3,267.00	\$3,267.00	\$5,010.00	\$5,010.00
6270150	156.000	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$75.00	\$11,700.00	\$38.50	\$6,006.00	\$35.25	\$5,499.00
6270160	156.000	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (REMOVE)	\$15.00	\$2,340.00	\$7.00	\$1,092.00	\$5.60	\$873.60
6270190	426.500	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$85.00	\$36,252.50	\$36.00	\$15,354.00	\$75.15	\$32,051.48
6270220	437.700	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$45.00	\$19,696.50	\$36.00	\$15,757.20	\$36.00	\$15,757.20
6270240	408.700	SQFT	PERMANENT SIGNS, REMOVE	\$10.00	\$4,087.00	\$10.00	\$4,087.00	\$6.70	\$2,738.29
6270250	233.800	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$8.00	\$1,870.40	\$10.00	\$2,338.00	\$6.70	\$1,566.46
6280120	1.000	LS	MOBILIZATION	\$382,884.29	\$382,884.29	\$288,828.37	\$288,828.37	\$430,126.87	\$430,126.87
6321170	1.760	MILE	POLYUREA PAVEMENT STRIPING (SOLID WHITE)	\$4,000.00	\$7,040.00	\$3,780.00	\$6,652.80	\$3,340.00	\$5,878.40
6330100	2,918.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$4.00	\$11,672.00	\$2.50	\$7,295.00	\$2.45	\$7,149.10
6330110	1,569.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$3.50	\$5,491.50	\$2.50	\$3,922.50	\$3.00	\$4,707.00
6341030	770.600	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$8.25	\$6,357.45	\$6.40	\$4,931.84	\$11.70	\$9,016.02
6341060	7,224.500	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$8.50	\$61,408.25	\$6.40	\$46,236.80	\$6.15	\$44,430.68
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$15,233.62	\$15,233.62	\$53,000.00	\$53,000.00	\$76,500.00	\$76,500.00
6500520	9.000	EACH	REMOVE AND RESET WATER METER	\$2,400.00	\$21,600.00	\$4,100.00	\$36,900.00	\$4,250.00	\$38,250.00
Totals:					\$6,911,357.11		\$5,863,000.00		\$7,083,999.00

Price Sensitivity January 30, 2020

Contract No.: 3812
 Project No.: SPSR-0596(001)
 Project Id: 73937
 County: Clark
 Range: R27 \$6,600,000.01 to \$7,950,000
 Working: 120

RE: Samih Alhwayek
 Designer: Christopher Deal

Engineer's Estimate	Las Vegas Paving Corporation	Aggregate Industries SWR,	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$6,911,357.11	\$5,863,000.00	\$7,083,999.00	\$1,220,999.00	-\$1,048,357.11	85%

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	Price & Quantity Check Comments
2020935	1418.000	REMOVAL OF COMPOSITE SURFACE	CUYD	\$70.00	\$164.00	\$190.00	-46,961.50	-3312%	234%	Yes	EE Low, could have been \$170 / QTY OK
2030140	13626.000	ROADWAY EXCAVATION	CUYD	\$35.00	\$23.00	\$42.00	-64,263.11	-472%	66%	Yes	EE OK / QTY OK
3050140	72670.000	PROCESSING FOR ROADBED MODIFICATION	SQYD	\$4.00	\$3.30	\$3.00	4,069,996.67	5601%	83%	No	EE OK / QTY OK
3050190	72670.000	PULVERIZE EXISTING SURFACE	SQYD	\$2.50	\$1.25	\$2.65	-872,142.14	-1200%	50%	Yes	EE OK / QTY OK
3050220	575.000	PORTLAND CEMENT	TON	\$175.00	\$160.00	\$180.00	-61,049.95	-10617%	91%	No	EE OK / QTY OK
4020190	25641.000	PLANTMIX SURFACING (TYPE 2C) (WET)	TON	\$92.00	\$83.00	\$93.00	-122,099.90	-476%	90%	No	EE OK / QTY OK
4030120	3078.000	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	TON	\$125.00	\$117.00	\$110.00	174,428.43	5667%	94%	No	EE High Could have been \$115 / QTY OK
4070080	72670.000	SEAL COAT	SQYD	\$2.00	\$0.80	\$0.18	1,969,353.23	2710%	40%	Yes	EE High Could have been \$0.60 / QTY OK
5020731	555.100	CLASS A CONCRETE (ISLAND PAVING) (SPECIAL)	CUYD	\$475.00	\$650.00	\$570.00	15,262.49	2750%	137%	No	EE OK / QTY OK
6090270	61.000	ADJUSTING MANHOLE COVERS (METHOD C)	EACH	\$1,200.00	\$1,400.00	\$1,470.00	-17,442.84	-28595%	117%	No	EE OK / QTY OK
6130350	14819.000	CLASS A CONCRETE GLUE DOWN CURB (TYPE A)	LINFT	\$4.00	\$6.50	\$10.45	-309,113.67	-2086%	163%	Yes	EE OK / QTY OK
6131250	456.000	CLASS A CONCRETE DRIVEWAY (9-INCH) (REINFORCED)	SQYD	\$120.00	\$126.00	\$92.75	36,721.77	8053%	105%	No	EE OK / QTY OK
6131420	914.000	CLASS A CONCRETE RAMP (4-INCH)	SQYD	\$110.00	\$118.00	\$88.95	42,030.95	4599%	107%	No	EE OK / QTY OK
6230625	6.000	STEEL POLE, TYPE 30	EACH	\$16,500.00	\$21,600.00	\$22,300.00	-1,744.28	-29071%	131%	No	EE OK / QTY OK
6230775	98.000	LOOP DETECTOR	EACH	\$700.00	\$750.00	\$1,035.00	-4,284.21	-4372%	107%	No	EE OK / QTY OK
6231820	1970.000	3-INCH CONDUIT	LINFT	\$20.00	\$35.00	\$36.00	-1,220,999.00	-61980%	175%	Yes	EE is low price should be \$35 / QTY Ok
6240140	120.000	TRAFFIC CONTROL SUPERVISOR	DAY	\$700.00	\$895.00	\$800.00	12,852.62	10711%	128%	No	EE OK / QTY OK
6250490	1.000	RENT TRAFFIC CONTROL DEVICES	LS	\$753,410.00	\$78,000.00	\$341,500.00	N/A	N/A	10%	Yes	EE OK / QTY OK
6280120	1.000	MOBILIZATION	LS	\$382,884.29	\$288,828.37	\$430,126.87	N/A	N/A	75%	No	EE OK / QTY OK
6341060	7224.500	THERMOPLASTIC PAVEMENT MARKING (VARIES)	SQFT	\$8.50	\$6.40	\$6.15	4,883,996.00	67603%	75%	No	EE OK / QTY OK
6370110	1.000	TEMPORARY POLLUTION CONTROL	LS	\$15,233.62	\$53,000.00	\$76,500.00	-51.96	-5196%	348%	Yes	EE OK / QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed the bids and recommends to award. Local Agency coordination with the contractor will be needed regarding traffic control. The City of Las Vegas is working on a sewer project and the RTC is also installing bus stops and bus shelters near the limits of Jones. Traffic Control was discussed at length, Resident Engineer is confident Traffic Control will be adequate.

Purpose and Need: SR 596-Jones Blvd Is scheduled for life cycle repair by the Materials Division as part of the 3R (resurfacing, restoration, and rehabilitation) program. The repair strategy for this route opted for a roadbed modification which will eliminate existing fatigue and rutting. Additionally, this route was reviewed as having non-compliant ADA features which needed upgrades to meet PROWAG requirements.

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):

1100

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

Las Vegas Paving Corp.

5. Corporate/Business Entity Street Address:

Street Address: 4420 S. Decatur Blvd	Website: lasvegaspaving.com
City, State and Zip Code: Las Vegas, NV 89103	Point of Contact Name: Ryan Mendenhall
Telephone and Fax No. 7022515800	Email: ryan.mendenhall@lvpaving.com

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

Street Address: 4420 S. Decatur Blvd	Website: lasvegaspaving.com
City, State and Zip Code: Las Vegas, NV 89103	Point of Contact Name: Ryan Mendenhall
Local Telephone and Fax No. 7022515800	Email: ryan.mendenhall@lvpaving.com

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:

 Signature _____ Ryan M. Mendenhall
 Director _____ Print Name
 _____ 03/09/2020
 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 _____
 Contract Services

 Print Name
 Authorized NDOT Representative

Line Item 2



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

MEMORANDUM
Administrative Services

March 12, 2020

To: Kristina Swallow, Director
Clifford Lawson, Deputy Director, Project Delivery
Darin Tedford, Assistant Director, Operations

From: Tianne Simpson, Contract Services Manager – Administrative Services

DS
TS

Subject: Concurrence in Award for Contract No. 3819-READV, Project No. NHP-395-2(044), on US 395, Parr-Dandini Interchange, in Washoe County, described as the removal and replacement of bridge Structure #I-1306; Phase 1A. The Engineer's Estimate is \$7,719,491.20.

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

Bid proposals were opened on March 6, 2020. Q & D Construction is the apparent low bidder at \$8,034,000.00 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 \$8,520,520.00.

The project is federally funded; required 7.39% DBE participation; and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by the Q & D Construction have been reviewed and confirmed by Contract Services. The DBE information submitted by the Q & D Construction has been reviewed and certified by the External Civil Rights office. Q & D Construction has met the required DBE participation with a 7.40% commitment. The bid is above the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair has provided his 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 approval of award at the April 2020 Transportation Board meeting.

Concurrence in award:

DocuSigned by:
Clifford M. Lawson

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Clifford Lawson, Deputy Director

DocuSigned by:
Darin Tedford

59F62CD438AD46A...
Darin Tedford, Assistant Director

DocuSigned by:
Kristina L. Swallow

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Kristina Swallow, Director

Enclosures:
Unofficial Bid Results Report
DBE Memo
BRAT Report



Nevada Department of Transportation
Unofficial Bid Results
 March 06, 2020

Contract Number: 3819-READV Designer: Katie Durham Senior Designer: Victor Peters Estimate Range: R27 \$6,600,000.01 to \$7,950,000 Project Number: NHP-395-2(044)	Bid Opening Date and Time: 3/6/2020 1:30 PM Liquidated Damages: \$11,000.00 Working Days: 130 District: District 2
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County: Washoe
Location: US 395, Parr-Dandini Interchange
Description: Remove and replace bridge Structure #I-1306; Phase 1A

	Actual Bid
Apparent Low Bidder: Q & D Construction LLC	<u>\$8,034,000.00</u>
Apparent 2nd: Granite Construction Company	<u>\$8,520,520.00</u>
Apparent 3rd: Security Paving Company, Inc.	<u>\$9,551,507.73</u>

Bidders:	Actual Bid Amount
1 Q & D Construction LLC 1050 South 21st Street Sparks, NV 89431 (775) 786-2677	\$8,034,000.00
2 Granite Construction Company 585 West Beach Street Watsonville, CA 95076 (831) 724-1011	\$8,520,520.00
3 Security Paving Company, Inc. 13170 Telfair Ave Sylmar, CA 91311 (818) 362-9200	\$9,551,507.73
4 Road and Highway Builders LLC 175 Salomon Circle Ste #103 Sparks, NV 89434 (775) 852-7283	\$9,959,959.00



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

MEMORANDUM
Contract Compliance

March 12, 2020

To: Doug Benamati, Deputy Chief – Administrative services

From: Paulita De La Cruz, DBE Specialist

DocuSigned by:
Paulita De La Cruz
9A647C8047694B9...

Subject: NDOT Bidder DBE Information – Contract no. 3819-READV, US 395, Parr-Dandini Interchange, in WASHOE County, to Remove and replace bridge Structure #I-1306; Phase 1A

Apparent low bid: \$ 8,034,000.00

The DBE information for Bio Logical LLC, K & K Construction Supply, Mapca Surveys Inc, Great Basin Water Supply LLC, K & B Transportation LLC , Owens Wood Products Inc., Kelley Erosion Control Inc., T and S DVBE, Inc., Las Vegas Lighting Inc., and Norton Consulting LLC, DBA Silver State Barricade & Sign submitted by the apparent low bidder, Q & D Construction LLC, has been received by the DBE Program office and we have concluded:

Bio Logical LLC, K & K Construction Supply, Mapca Surveys Inc, Great Basin Water Supply LLC, K & B Transportation LLC , Owens Wood Products Inc., Kelley Erosion Control Inc., T and S DVBE, Inc. , Las Vegas Lighting Inc., and Norton Consulting LLC, DBA Silver State Barricade & Sign hold active State of Nevada business licenses and are Nevada certified DBE firms. Additionally, Kelley Erosion Control Inc. holds an active Nevada State Contractors Board license. All firms are clear of State disqualification and Federal exclusion.

The DBE goal of 7.39% has been met with a 7.40% DBE committed participation by the apparent low bidder Q & D Construction LLC.

The DBE firms are approved for this contract.

cc: Contract Services
Contract Compliance
Teri Lewis, DBE/Title VI Manager
Julie Boyster, Asst. DBE/Title VI Manager



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

MEMORANDUM
Administrative Services

March 12, 2020

To: Doug Benamati, Deputy Chief - Administrative Services

From: Bid Review and Analysis Team

Subject: BRAT Summary Report for Contract # 3819-READV

The Bid Review and Analysis Team (BRAT) met on March 10, 2020, to discuss bids for the above referenced contract. The following were in attendance:


Scott Hein, Chief Roadway Design Engineer
Casey Connor, Assistant Chief Roadway Design Engineer
Samantha Dowd, Professional Engineer
Kimberly Diegle, Professional Engineer
Reudy Edgington, HDR
Jae Pullen, Highway Project Manager
Shawn Paterson, Professional Engineer
Dale Wegner, FHWA
Shawn Hilbert, Associate Engineer
Mariam Admad, Associate Engineer
Katie Durham, Associate Engineer
Doug Benamati, Deputy Chief - Administrative Services
Jasen Stoffer, Administrative Services

Via Phone:
Andrew Lawrence, Professional Engineer
Victor Peters, 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, Q & D Construction, submitted a bid which is 104% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

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Scott Hein, BRAT Co-Chair

cc: Attendees
Sharon Foerschler, Chief Construction Engineer
Dennis Gallagher, Legal
Design Admin

Bid Tabulation**- March 6, 2020 -**

Contract No.: 3819-READV
Description: Remove and replace bridge Structure #I-1306; Phase 1A
Location: US 395, Parr-Dandini Interchange
Bid Opening: March 06, 2020, 1:30 PM

Project No.: NHP-395-2(044)
Project Id: 60941 / 74107
County: Washoe
Range: R27 \$6,600,000.01 to \$7,950,000.00
Working: 130

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q & D Construction		Granite Construction Company		Security Paving Company		Road and Highway Builders	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2000100	40.000	HOURL	SURVEY CREW	\$200.00	\$8,000.00	\$283.00	\$11,320.00	\$283.00	\$11,320.00	\$365.00	\$14,600.00	\$225.00	\$9,000.00
2010120	0.700	ACRE	CLEARING AND GRUBBING	\$4,000.00	\$2,800.00	\$30,000.00	\$21,000.00	\$9,500.00	\$6,650.00	\$26,000.00	\$18,200.00	\$25,000.00	\$17,500.00
2020105	1.000	EACH	REMOVAL OF BRIDGE	\$400,000.00	\$400,000.00	\$310,000.00	\$310,000.00	\$242,750.00	\$242,750.00	\$436,000.00	\$436,000.00	\$600,000.00	\$600,000.00
2020285	81.000	LINFT	REMOVAL OF CULVERT PIPE	\$35.00	\$2,835.00	\$49.00	\$3,969.00	\$12.00	\$972.00	\$71.00	\$5,751.00	\$20.00	\$1,620.00
2020450	1.000	EACH	REMOVE END SECTION	\$1,000.00	\$1,000.00	\$1,550.00	\$1,550.00	\$210.00	\$210.00	\$1,300.00	\$1,300.00	\$200.00	\$200.00
2020475	1,531.000	LINFT	REMOVAL OF GUARDRAIL	\$10.00	\$15,310.00	\$5.00	\$7,655.00	\$5.00	\$7,655.00	\$6.50	\$9,951.50	\$10.00	\$15,310.00
2020530	1.000	EACH	REMOVAL OF HEADWALL	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$450.00	\$450.00	\$2,600.00	\$2,600.00	\$250.00	\$250.00
2020885	1.000	EACH	REMOVAL OF LIGHT POLE	\$1,930.00	\$1,930.00	\$2,390.00	\$2,390.00	\$2,390.00	\$2,390.00	\$2,600.00	\$2,600.00	\$500.00	\$500.00
2020935	105.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$180.00	\$18,900.00	\$100.00	\$10,500.00	\$53.00	\$5,565.00	\$100.00	\$10,500.00	\$100.00	\$10,500.00
2020990	1,486.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$3.50	\$5,201.00	\$5.00	\$7,430.00	\$8.00	\$11,888.00	\$13.00	\$19,318.00	\$7.50	\$11,145.00
2021035	2.000	EACH	REMOVAL OF MANHOLE	\$4,000.00	\$8,000.00	\$1,900.00	\$3,800.00	\$1,400.00	\$2,800.00	\$3,900.00	\$7,800.00	\$500.00	\$1,000.00
2021040	1.000	EACH	REMOVAL OF DROP INLET	\$1,500.00	\$1,500.00	\$630.00	\$630.00	\$550.00	\$550.00	\$2,350.00	\$2,350.00	\$250.00	\$250.00
2021240	65.000	LINFT	REMOVAL OF CORRUGATED METAL PIPE DOWNDRAIN	\$40.00	\$2,600.00	\$30.00	\$1,950.00	\$12.00	\$780.00	\$57.00	\$3,705.00	\$20.00	\$1,300.00
2030140	1,764.900	CUYD	ROADWAY EXCAVATION	\$50.00	\$88,245.00	\$25.00	\$44,122.50	\$20.00	\$35,298.00	\$38.50	\$67,948.65	\$15.00	\$26,473.50
2030230	21,662.960	CUYD	BORROW EMBANKMENT	\$5.00	\$108,314.80	\$25.00	\$541,574.00	\$15.00	\$324,944.40	\$32.50	\$704,046.20	\$20.00	\$433,259.20
2060110	4,264.700	CUYD	STRUCTURE EXCAVATION	\$65.00	\$277,205.50	\$39.00	\$166,323.30	\$54.00	\$230,293.80	\$77.70	\$331,367.19	\$50.00	\$213,235.00
2070110	3,136.000	CUYD	GRANULAR BACKFILL	\$60.00	\$188,160.00	\$75.00	\$235,200.00	\$97.00	\$304,192.00	\$78.90	\$247,430.40	\$50.00	\$156,800.00
2110260	2.210	ACRE	HYDRO-SEEDING	\$7,000.00	\$15,470.00	\$7,700.00	\$17,017.00	\$5,400.00	\$11,934.00	\$9,500.00	\$20,995.00	\$2,500.00	\$5,525.00
2110530	957.000	CUYD	ROCK MULCH	\$90.00	\$86,130.00	\$84.00	\$80,388.00	\$90.00	\$86,130.00	\$63.00	\$60,291.00	\$50.00	\$47,850.00
2120040	247.000	SQYD	AESTHETIC PATTERNING	\$200.00	\$49,400.00	\$50.00	\$12,350.00	\$150.00	\$37,050.00	\$102.00	\$25,194.00	\$300.00	\$74,100.00
2120045	1,405.000	SQYD	PAINTING	\$20.00	\$28,100.00	\$26.00	\$36,530.00	\$15.04	\$21,131.20	\$58.00	\$81,490.00	\$20.00	\$28,100.00
2120050	40.000	SQFT	DETAIL PAINTING	\$50.00	\$2,000.00	\$225.00	\$9,000.00	\$3.45	\$138.00	\$97.00	\$3,880.00	\$4.00	\$160.00
2120820	7.000	EACH	DECORATIVE BOULDER (TYPE A)	\$200.00	\$1,400.00	\$300.00	\$2,100.00	\$980.00	\$6,860.00	\$950.00	\$6,650.00	\$1,500.00	\$10,500.00
2120830	16.000	EACH	DECORATIVE BOULDER (TYPE B)	\$400.00	\$6,400.00	\$430.00	\$6,880.00	\$1,200.00	\$19,200.00	\$1,000.00	\$16,000.00	\$1,750.00	\$28,000.00
2120840	7.000	EACH	DECORATIVE BOULDER (TYPE C)	\$700.00	\$4,900.00	\$580.00	\$4,060.00	\$1,600.00	\$11,200.00	\$1,050.00	\$7,350.00	\$2,000.00	\$14,000.00
2120930	5,613.000	SQYD	ROCK COLORING	\$4.00	\$22,452.00	\$2.50	\$14,032.50	\$15.00	\$84,195.00	\$3.00	\$16,839.00	\$3.50	\$19,645.50
2121950	2.000	EACH	DECORATIVE STRUCTURE	\$75,000.00	\$150,000.00	\$94,000.00	\$188,000.00	\$100,000.00	\$200,000.00	\$155,000.00	\$310,000.00	\$165,000.00	\$330,000.00
3020140	2,411.240	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$70.00	\$168,786.80	\$66.00	\$159,141.84	\$87.00	\$209,777.88	\$42.00	\$101,272.08	\$50.00	\$120,562.00
4020130	806.000	LINFT	PLANTMIX BITUMINOUS SHOULDER DIKES	\$7.00	\$5,642.00	\$8.00	\$6,448.00	\$12.00	\$9,672.00	\$33.60	\$27,081.60	\$10.00	\$8,060.00
4020190	4,019.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$130.00	\$522,470.00	\$108.00	\$434,052.00	\$120.00	\$482,280.00	\$150.00	\$602,850.00	\$110.00	\$442,090.00
4060120	6,819.000	SQYD	PRIME COAT	\$2.00	\$13,638.00	\$0.50	\$3,409.50	\$1.30	\$8,864.70	\$2.10	\$14,319.90	\$2.00	\$13,638.00
5020275	693.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	\$100.00	\$69,300.00	\$179.00	\$124,047.00	\$180.00	\$124,740.00	\$140.00	\$97,020.00	\$200.00	\$138,600.00
5020530	12.000	EACH	LAMINATED ELASTOMERIC BEARING PAD	\$1,200.00	\$14,400.00	\$1,150.00	\$13,800.00	\$1,300.00	\$15,600.00	\$1,250.00	\$15,000.00	\$3,500.00	\$42,000.00
5020540	12.000	EACH	PLAIN ELASTOMERIC BEARING PAD	\$500.00	\$6,000.00	\$290.00	\$3,480.00	\$450.00	\$5,400.00	\$104.00	\$1,248.00	\$2,500.00	\$30,000.00
5020670	1,500.000	SQYD	GROOVE CONCRETE DECK SLAB	\$15.00	\$22,500.00	\$16.00	\$24,000.00	\$10.00	\$15,000.00	\$21.00	\$31,500.00	\$20.00	\$30,000.00
5020750	8.100	CUYD	CLASS AA CONCRETE (MINOR)	\$1,800.00	\$14,580.00	\$3,100.00	\$25,110.00	\$1,800.00	\$14,580.00	\$2,600.00	\$21,060.00	\$2,500.00	\$20,250.00
5020881	286.000	CUYD	CLASS DA CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	\$1,400.00	\$400,400.00	\$955.00	\$273,130.00	\$1,300.00	\$371,800.00	\$1,050.00	\$300,300.00	\$1,450.00	\$414,700.00
5020950	481.000	CUYD	CLASS AA CONCRETE, MODIFIED (MAJOR)	\$700.00	\$336,700.00	\$600.00	\$288,600.00	\$800.00	\$384,800.00	\$665.00	\$319,865.00	\$1,550.00	\$745,550.00
5021010	736.000	CUYD	CLASS EA CONCRETE, MODIFIED (MAJOR)	\$850.00	\$625,600.00	\$1,050.00	\$772,800.00	\$1,000.00	\$736,000.00	\$970.00	\$713,920.00	\$1,600.00	\$1,177,600.00
5021790	120.000	LINFT	STRIP SEAL EXPANSION JOINT (4-INCH MOVEMENT)	\$300.00	\$36,000.00	\$375.00	\$45,000.00	\$600.00	\$72,000.00	\$480.00	\$57,600.00	\$500.00	\$60,000.00
5021950	128.000	GAL	BRIDGE DECK CURING COMPOUND	\$15.00	\$1,920.00	\$24.00	\$3,072.00	\$23.00	\$2,944.00	\$35.00	\$4,480.00	\$20.00	\$2,560.00
5030795	12.000	EACH	128-FOOT PRECAST CONCRETE MEMBERS	\$125,000.00	\$1,500,000.00	\$100,000.00	\$1,200,000.00	\$105,000.00	\$1,260,000.00	\$113,735.00	\$1,364,820.00	\$95,000.00	\$1,140,000.00
5050100	107,881.000	POUND	REINFORCING STEEL	\$1.50	\$161,821.50	\$1.31	\$141,324.11	\$1.17	\$126,220.77	\$1.50	\$161,821.50	\$2.50	\$269,702.50
5050120	185,545.000	POUND	REINFORCING STEEL (EPOXY COATED)	\$2.00	\$371,090.00	\$1.67	\$309,860.15	\$1.49	\$276,462.05	\$1.90	\$352,535.50	\$3.50	\$649,407.50
5060110	5,939.000	POUND	STRUCTURAL STEEL	\$5.50	\$32,664.50	\$10.00	\$59,390.00	\$6.00	\$35,634.00	\$2.60	\$15,441.40	\$5.00	\$29,695.00
5060470	56.000	EACH	APPROACH SLAB RESTRAINER UNIT	\$150.00	\$8,400.00	\$200.00	\$11,200.00	\$245.00	\$13,720.00	\$62.00	\$3,472.00	\$500.00	\$28,000.00
5060810	615.000	LINFT	PEDESTRIAN RAIL, TYPE V (MODIFIED)	\$200.00	\$123,000.00	\$500.00	\$307,500.00	\$600.00	\$369,000.00	\$650.00	\$399,750.00	\$200.00	\$123,000.00
6030170	108.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$150.00	\$16,200.00	\$115.00	\$12,420.00	\$25.00	\$2,700.00	\$110.00	\$11,880.00	\$200.00	\$21,600.00
6030440	20.000	LINFT	48-INCH REINFORCED CONCRETE PIPE, CLASS III	\$300.00	\$6,000.00	\$315.00	\$6,300.00	\$165.00	\$3,300.00	\$356.00	\$7,120.00	\$300.00	\$6,000.00
6030680	35.000	LINFT	23-INCH X 14-INCH OVAL REINFORCED CONCRETE PIPE, CLASS HE IV	\$225.00	\$7,875.00	\$190.00	\$6,650.00	\$200.00	\$7,000.00	\$317.00	\$11,095.00	\$300.00	\$10,500.00
6031030	3.000	EACH	18-INCH PRECAST END SECTION	\$1,500.00	\$4,500.00	\$1,140.00	\$3,420.00	\$1,060.00	\$3,180.00	\$2,150.00	\$6,450.00	\$350.00	\$1,050.00
6031120	1.000	EACH	48-INCH PRECAST END SECTION	\$3,000.00	\$3,000.00	\$2,650.00	\$2,650.00	\$2,060.00	\$2,060.00	\$4,600.00	\$4,600.00	\$450.00	\$450.00
6080250	3.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$600.00	\$1,800.00	\$250.00	\$750.00	\$425.00	\$1,275.00	\$1,300.00	\$3,900.00	\$125.00	\$375.00
6080370	58.000	LINFT	18-INCH DOWNDRAIN PIPE	\$160.00	\$9,280.00	\$82.00	\$4,756.00	\$115.00	\$6,670.00	\$30.50	\$1,769.00	\$150.00	\$8,700.00
6080470	1.000	EACH	18-INCH METAL END SECTION (DOWNDRAIN)	\$800.00	\$800.00	\$1,100.00	\$1,100.00	\$265.00	\$265.00	\$2,200.00	\$2,200.00	\$250.00	\$250.00

Bid Tabulation

- March 6, 2020 -

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q & D Construction		Granite Construction Company		Security Paving Company		Road and Highway Builders	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6091040	2,412.000	POUND	STRUCTURAL STEEL GRATES	\$3.50	\$8,442.00	\$2.50	\$6,030.00	\$4.00	\$9,648.00	\$5.20	\$12,542.40	\$5.00	\$12,060.00
6100050	419.000	SQYD	GEOTEXTILE (CLASS 1)	\$4.00	\$1,676.00	\$2.65	\$1,110.35	\$1.15	\$481.85	\$10.00	\$4,190.00	\$5.00	\$2,095.00
6100170	745.000	CUYD	RIPRAP (CLASS 150)	\$100.00	\$74,500.00	\$87.00	\$64,815.00	\$67.00	\$49,915.00	\$64.00	\$47,680.00	\$90.00	\$67,050.00
6100190	104.000	CUYD	RIPRAP (CLASS 300)	\$120.00	\$12,480.00	\$106.00	\$11,024.00	\$71.00	\$7,384.00	\$73.00	\$7,592.00	\$100.00	\$10,400.00
6100200	4.000	CUYD	RIPRAP (CLASS 400)	\$250.00	\$1,000.00	\$174.00	\$696.00	\$85.00	\$340.00	\$190.00	\$760.00	\$150.00	\$600.00
6100470	459.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$140.00	\$64,260.00	\$96.00	\$44,064.00	\$74.00	\$33,966.00	\$68.50	\$31,441.50	\$100.00	\$45,900.00
6100480	1.000	CUYD	RIPRAP BEDDING (CLASS 400)	\$300.00	\$300.00	\$255.00	\$255.00	\$74.00	\$74.00	\$350.00	\$350.00	\$100.00	\$100.00
6130130	17.000	SQYD	DETECTABLE WARNINGS	\$450.00	\$7,650.00	\$420.00	\$7,140.00	\$365.00	\$6,205.00	\$425.00	\$7,225.00	\$25.00	\$425.00
6130810	321.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 4)	\$50.00	\$16,050.00	\$55.00	\$17,655.00	\$44.00	\$14,124.00	\$44.00	\$14,124.00	\$25.00	\$8,025.00
6130830	529.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 5)	\$60.00	\$31,740.00	\$52.00	\$27,508.00	\$40.00	\$21,160.00	\$44.00	\$23,276.00	\$30.00	\$15,870.00
6131140	365.000	SQYD	CLASS AA CONCRETE SIDEWALK (4-INCH)	\$90.00	\$32,850.00	\$94.00	\$34,310.00	\$91.00	\$33,215.00	\$143.00	\$52,195.00	\$20.00	\$7,300.00
6131430	101.500	SQYD	CLASS AA CONCRETE RAMP (4-INCH)	\$140.00	\$14,210.00	\$108.00	\$10,962.00	\$270.00	\$27,405.00	\$155.00	\$15,732.50	\$35.00	\$3,552.50
6180350	1.000	EACH	GUARDRAIL TERMINAL (FLARED)	\$3,056.02	\$3,056.02	\$3,750.00	\$3,750.00	\$3,750.00	\$3,750.00	\$4,850.00	\$4,850.00	\$2,500.00	\$2,500.00
6180600	1,317.000	LINFT	RECONSTRUCT GUARDRAIL	\$42.14	\$55,498.38	\$39.00	\$51,363.00	\$39.00	\$51,363.00	\$50.50	\$66,508.50	\$10.00	\$13,170.00
6190260	1.000	EACH	OBJECT MARKERS, TYPE 2	\$150.00	\$150.00	\$85.00	\$85.00	\$85.00	\$85.00	\$110.00	\$110.00	\$50.00	\$50.00
6230200	10.000	EACH	MODIFY PULL BOX	\$650.00	\$6,500.00	\$540.00	\$5,400.00	\$540.00	\$5,400.00	\$825.00	\$8,250.00	\$250.00	\$2,500.00
6230225	4.000	EACH	NO. 3-1/2 PULL BOX	\$650.00	\$2,600.00	\$840.00	\$3,360.00	\$840.00	\$3,360.00	\$890.00	\$3,560.00	\$350.00	\$1,400.00
6230232	5.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,250.00	\$6,250.00	\$1,136.00	\$5,680.00	\$1,136.00	\$5,680.00	\$1,400.00	\$7,000.00	\$400.00	\$2,000.00
6230236	9.000	EACH	NO. 7 PULL BOX, MODIFIED	\$1,250.00	\$11,250.00	\$1,560.00	\$14,040.00	\$1,560.00	\$14,040.00	\$2,430.00	\$21,870.00	\$400.00	\$3,600.00
6230250	1.000	EACH	JUNCTION BOX (A)	\$1,500.00	\$1,500.00	\$1,730.00	\$1,730.00	\$1,730.00	\$1,730.00	\$1,350.00	\$1,350.00	\$250.00	\$250.00
6230267	1.000	EACH	LUMINAIRE, TYPE A	\$800.00	\$800.00	\$800.00	\$800.00	\$800.00	\$800.00	\$884.00	\$884.00	\$2,500.00	\$2,500.00
6230570	1.000	EACH	STEEL POLE, TYPE 7	\$5,000.00	\$5,000.00	\$5,100.00	\$5,100.00	\$5,100.00	\$5,100.00	\$7,450.00	\$7,450.00	\$7,500.00	\$7,500.00
6231441	5.000	EACH	REMOVE AND RESET STEEL POLE	\$2,280.00	\$11,400.00	\$6,410.00	\$32,050.00	\$6,410.00	\$32,050.00	\$6,000.00	\$30,000.00	\$2,500.00	\$12,500.00
6231445	3.000	EACH	REMOVE AND RESET LIGHT POLE	\$3,310.00	\$9,930.00	\$3,100.00	\$9,300.00	\$3,100.00	\$9,300.00	\$5,860.00	\$17,580.00	\$2,500.00	\$7,500.00
6231505	1.000	EACH	REMOVE AND RESET LUMINAIRE	\$1,360.00	\$1,360.00	\$160.00	\$160.00	\$160.00	\$160.00	\$420.00	\$420.00	\$1,000.00	\$1,000.00
6231530	1.000	EACH	REMOVE AND RESET VIDEO IMAGE DETECTION SYSTEM	\$3,000.00	\$3,000.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$30,000.00	\$30,000.00	\$2,500.00	\$2,500.00
6231635	1.000	EACH	MODIFY ELECTRICAL SERVICE	\$800.00	\$800.00	\$1,080.00	\$1,080.00	\$1,080.00	\$1,080.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
6231780	657.000	LINFT	1-INCH CONDUIT	\$3.08	\$2,023.56	\$10.00	\$6,570.00	\$10.00	\$6,570.00	\$20.70	\$13,599.90	\$2.00	\$1,314.00
6231805	1,504.000	LINFT	2-INCH CONDUIT	\$5.00	\$7,520.00	\$8.00	\$12,032.00	\$8.00	\$12,032.00	\$23.30	\$35,043.20	\$3.00	\$4,512.00
6231820	3,010.000	LINFT	3-INCH CONDUIT	\$7.00	\$21,070.00	\$20.00	\$60,200.00	\$20.00	\$60,200.00	\$25.90	\$77,959.00	\$4.00	\$12,040.00
6231825	39.000	LINFT	3-INCH CONDUIT(METAL)	\$30.00	\$1,170.00	\$50.00	\$1,950.00	\$50.00	\$1,950.00	\$84.00	\$3,276.00	\$5.00	\$195.00
6231850	694.000	LINFT	4-INCH MULTIDUCT CONDUIT	\$9.30	\$6,454.20	\$17.00	\$11,798.00	\$17.00	\$11,798.00	\$54.00	\$37,476.00	\$5.00	\$3,470.00
6231970	1,500.000	LINFT	NO. 4 CONDUCTOR	\$1.60	\$2,400.00	\$2.00	\$3,000.00	\$2.00	\$3,000.00	\$4.00	\$6,000.00	\$1.00	\$1,500.00
6231975	8,118.000	LINFT	NO. 6 CONDUCTOR	\$1.30	\$10,553.40	\$1.20	\$9,741.60	\$1.20	\$9,741.60	\$2.50	\$20,295.00	\$1.00	\$8,118.00
6231980	6,528.000	LINFT	NO. 8 CONDUCTOR	\$1.15	\$7,507.20	\$1.00	\$6,528.00	\$1.00	\$6,528.00	\$2.00	\$13,056.00	\$1.00	\$6,528.00
6231985	198.000	LINFT	NO. 10 CONDUCTOR	\$1.00	\$198.00	\$1.30	\$257.40	\$1.30	\$257.40	\$2.00	\$396.00	\$1.00	\$198.00
6232225	2.000	EACH	STEEL POST, 30-FOOT	\$5,281.49	\$10,562.98	\$8,660.00	\$17,320.00	\$8,657.00	\$17,314.00	\$8,400.00	\$16,800.00	\$1,500.00	\$3,000.00
6234100	22.000	EACH	LANDSCAPE LIGHTING (TYPE A)	\$1,000.00	\$22,000.00	\$500.00	\$11,000.00	\$492.00	\$10,824.00	\$580.00	\$12,760.00	\$250.00	\$5,500.00
6234101	8.000	EACH	LANDSCAPE LIGHTING (TYPE B)	\$1,200.00	\$9,600.00	\$2,430.00	\$19,440.00	\$2,430.00	\$19,440.00	\$2,300.00	\$18,400.00	\$300.00	\$2,400.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00
6240140	130.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$800.00	\$104,000.00	\$300.00	\$39,000.00	\$2,600.00	\$338,000.00	\$1,425.00	\$185,250.00	\$4,000.00	\$520,000.00
6240190	40.000	HOUR	RENT EQUIPMENT (MOTOR GRADER)	\$170.00	\$6,800.00	\$210.00	\$8,400.00	\$188.00	\$7,320.00	\$220.00	\$8,800.00	\$165.00	\$6,600.00
6240240	40.000	HOUR	RENT EQUIPMENT (LOADER)	\$170.00	\$6,800.00	\$165.00	\$6,600.00	\$183.00	\$7,320.00	\$215.00	\$8,600.00	\$130.00	\$5,200.00
6240280	40.000	HOUR	RENT EQUIPMENT (DUMP TRUCK)	\$170.00	\$6,800.00	\$140.00	\$5,600.00	\$127.00	\$5,080.00	\$260.00	\$10,400.00	\$165.00	\$6,600.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$497,000.00	\$497,000.00	\$476,785.02	\$476,785.02	\$365,000.00	\$365,000.00	\$700,000.00	\$700,000.00	\$430,000.00	\$430,000.00
6270190	307.090	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$120.00	\$36,850.80	\$100.00	\$30,709.00	\$100.00	\$30,709.00	\$130.00	\$39,921.70	\$100.00	\$30,709.00
6270240	277.510	SQFT	PERMANENT SIGNS, REMOVE	\$10.00	\$2,775.10	\$8.40	\$2,331.08	\$8.40	\$2,331.08	\$11.00	\$3,052.61	\$10.00	\$2,775.10
6270260	21.000	SQFT	PERMANENT SIGNS, RESET	\$90.00	\$1,890.00	\$100.00	\$2,100.00	\$100.00	\$2,100.00	\$130.00	\$2,730.00	\$25.00	\$525.00
6280120	1.000	LS	MOBILIZATION	\$436,952.33	\$436,952.33	\$800,000.00	\$800,000.00	\$841,293.62	\$841,293.62	\$633,000.00	\$633,000.00	\$911,595.20	\$911,595.20
6320930	3,990.000	LINFT	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$1.00	\$3,990.00	\$1.15	\$4,588.50	\$1.15	\$4,588.50	\$1.50	\$5,985.00	\$4.00	\$15,960.00
6321020	2,052.000	LINFT	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$1.00	\$2,052.00	\$1.15	\$2,359.80	\$1.15	\$2,359.80	\$1.50	\$3,078.00	\$4.00	\$8,208.00
6321070	409.000	LINFT	EPOXY PAVEMENT STRIPING (DOUBLE SOLID YELLOW)	\$2.00	\$818.00	\$1.15	\$470.35	\$1.15	\$470.35	\$1.50	\$613.50	\$4.00	\$1,636.00
6330110	23.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$20.00	\$460.00	\$20.00	\$460.00	\$20.00	\$460.00	\$26.00	\$598.00	\$125.00	\$2,875.00
6341030	587.000	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$15.00	\$8,805.00	\$15.50	\$9,098.50	\$15.50	\$9,098.50	\$20.00	\$11,740.00	\$4.00	\$2,348.00
6341060	673.000	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$16.00	\$10,768.00	\$15.50	\$10,431.50	\$15.50	\$10,431.50	\$20.00	\$13,460.00	\$4.00	\$2,692.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$24,197.13	\$24,197.13	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$68,000.00	\$68,000.00	\$45,000.00	\$45,000.00
6460110	1,500.000	SQYD	BRIDGE DECK PREPARATION	\$10.00	\$15,000.00	\$5.75	\$8,625.00	\$6.00	\$9,000.00	\$7.76	\$11,640.00	\$10.00	\$15,000.00
6460160	161.000	GAL	SURFACE SEALANT	\$100.00	\$16,100.00	\$55.00	\$8,855.00	\$95.00	\$15,295.00	\$69.00	\$11,109.00	\$50.00	\$8,050.00
Totals:					\$7,719,491.20		\$8,034,000.00		\$8,520,520.00		\$9,551,507.73		\$9,959,959.00

Price Sensitivity

- March 5, 2020 -

Contract No.: 3819-READV
 Project No.: NHP-395-2(044)
 Project Id: 60941 / 74107
 County: Washoe
 Range: R27 \$6,600,000.01 to \$7,950,000.00
 Working: 130

RE: Andrew Lawrence
 Designer: Victor Peters

Engineer's Estimate	Q & D Construction	Granite Construction Company	Diff. Between Low & 2nd	Diff Between Low	EE & Low	Low Bid % of EE
\$7,719,491.20	\$8,034,000.00	\$8,520,520.00	\$486,520.00	\$314,508.80		104%

Item No.	Quantity	Description	Unit	Engineer's Est. Unit Price	Low Bid Price	Unit	2nd Low Bid Price	Unit	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2020105	1.000	REMOVAL OF BRIDGE	EACH	\$400,000.00	\$310,000.00		\$242,750.00		7.23	723%	78%	No	Qty OK, EE OK
2030140	1,764.900	ROADWAY EXCAVATION	CUYD	\$50.00	\$25.00		\$20.00		97,304.00	5513%	50%	Yes	Qty OK, EE OK, Ave \$60
2030230	21,662.960	BORROW EMBANKMENT	CUYD	\$5.00	\$25.00		\$15.00		48,652.00	225%	500%	Yes	Qty OK, EE Low, Range \$4-\$35, ave \$18
2060110	4,264.700	STRUCTURE EXCAVATION	CUYD	\$65.00	\$39.00		\$54.00		-32,434.67	-761%	60%	Yes	Qty OK, EE OK, Ave \$68
2070110	3,136.000	GRANULAR BACKFILL	CUYD	\$60.00	\$75.00		\$97.00		-22,114.55	-705%	125%	No	Qty OK, EE OK, Ave \$60
2110530	957.000	ROCK MULCH	CUYD	\$90.00	\$84.00		\$90.00		-81,086.67	-8473%	93%	No	Qty OK, EE OK
2121950	2.000	DECORATIVE STRUCTURE	EACH	\$75,000.00	\$94,000.00		\$100,000.00		-81.09	-4054%	125%	No	Qty OK, EE OK RFI relating to Aesthetic patterning quantity, a lot was inclusive to these structures. Contractor Bids OK
3020140	2,411.240	TYPE 1 CLASS B AGGREGATE BASE	CUYD	\$70.00	\$66.00		\$87.00		-23,167.62	-961%	94%	No	Qty OK, EE OK
4020190	4,019.000	PLANTMIX SURFACING (TYPE 2C) (WET)	TON	\$130.00	\$108.00		\$120.00		-40,543.33	-1009%	83%	No	Qty OK, EE OK for D2
5020275	693.000	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	LINFT	\$100.00	\$179.00		\$180.00		-486,520.00	-70205%	179%	Yes	Qty OK, EE Low, newer bid item
5020881	286.000	CLASS DA CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	CUYD	\$1,400.00	\$955.00		\$1,300.00		-1,410.20	-493%	68%	Yes	Qty OK, EE OK, newer bid item
5020950	481.000	CLASS AA CONCRETE, MODIFIED (MAJOR)	CUYD	\$700.00	\$600.00		\$800.00		-2,432.60	-506%	86%	No	Qty OK, EE OK
5021010	736.000	CLASS EA CONCRETE, MODIFIED (MAJOR)	CUYD	\$850.00	\$1,050.00		\$1,000.00		9,730.40	1322%	124%	No	Qty OK, EE OK, little history for high quantity
5030795	12.000	128-FOOT PRECAST CONCRETE MEMBERS	EACH	\$125,000.00	\$100,000.00		\$105,000.00		-97.30	-811%	80%	No	Qty OK, EE OK, little history
5050100	107,881.000	REINFORCING STEEL	POUND	\$1.50	\$1.31		\$1.17		3,475,142.86	3221%	87%	No	Qty OK, EE OK
5050120	185,545.000	REINFORCING STEEL (EPOXY COATED)	POUND	\$2.00	\$1.67		\$1.49		2,702,888.89	1457%	84%	No	Qty OK, EE OK
5060110	5,939.000	STRUCTURAL STEEL	POUND	\$5.50	\$10.00		\$6.00		121,630.00	2048%	182%	Yes	Qty OK, EE OK
5060810	615.000	PEDESTRIAN RAIL, TYPE V (MODIFIED)	LINFT	\$200.00	\$500.00		\$600.00		-4,865.20	-791%	250%	Yes	Qty OK, EE Low for specialty rail
6100170	745.000	RIPRAP (CLASS 150)	CUYD	\$100.00	\$87.00		\$67.00		24,326.00	3265%	87%	No	Qty OK, EE OK, Ave 100
6100470	459.000	RIPRAP BEDDING (CLASS 300)	CUYD	\$140.00	\$96.00		\$74.00		22,114.55	4818%	69%	Yes	Qty OK, EE OK
6180600	1,317.000	RECONSTRUCT GUARDRAIL	LINFT	\$42.14	\$39.00		\$39.00		N/A	N/A	93%	No	Qty OK, EE OK
6231820	3,010.000	3-INCH CONDUIT	LINFT	\$7.00	\$20.00		\$20.00		N/A	N/A	286%	Yes	Qty OK, EE OK but much of the conduit is in bridge rail. Contractors reflected the price in this bid item instead of in bridge items.
6240140	130.000	TRAFFIC CONTROL SUPERVISOR	DAY	\$800.00	\$300.00		\$2,600.00		-211.53	-163%	38%	Yes	Qty OK, EE OK
6250490	1.000	RENT TRAFFIC CONTROL DEVICES	LS	\$497,000.00	\$476,785.02		\$365,000.00		N/A	N/A	96%	No	Qty OK, EE OK
6280120	1.000	MOBILIZATION	LS	\$436,952.33	\$800,000.00		\$841,293.62		N/A	N/A	183%	Yes	

Additional Comments: Bid Review and Analysis Team reviewed bids and recommends award. Quantity error found for Clearing and Grubbing, should be 2.7 acres - Adds \$60k, does not flip bids. All other quantities OK.

Purpose and Need of Project: Remove structurally deficient Parr/Dandini bridge over US395, replace with new structure with sidewalks both sides and proper vertical clearance. Reprofile ramps to tie into new bridge profile, enhance interchange aesthetics.

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):

400

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

Q&D Construction LLC

5. Corporate/Business Entity Street Address:

Street Address: 1050 S 21st St	Website: www.qdconstruction.com
City, State and Zip Code: Sparks	Point of Contact Name: Jeff Bean
Telephone and Fax No. 7757862677	Email: jbean@qdconstruction.com

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

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

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)
Chris Dianda	Managing Director	20
Mike Dianda	Secretary	20
Lance semenko	President	22
Jeff Bean	Vp	11
Kevin Linderman	Vp	11
Tobin Basta	Vp	8
Duane Boreham	Vp	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
Na	Na	Na	Na

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.

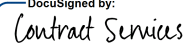
DocuSigned by:

 Signature _____ Lance Semenko
 1F6F6461C8B24F8...
 President _____ Print Name
 _____ 03/06/2020
 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 3



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

MEMORANDUM
Administrative Services

March 19, 2020

To: Kristina Swallow, Director
Clifford Lawson, Deputy Director, Project Delivery
Darin Tedford, Assistant Director, Operations

From: Tianne Simpson, Contract Services Manager – Administrative Services DS
TS

Subject: Concurrence in Award for Contract No. 3817, Project No. SPF-050-4(029), on US 50 Austin, from 0.52 miles east of SR 305 to east side of town, in Lander County, described as the pulverizing of existing roadbed, roadway excavation, roadway modification with plantmix bituminous surface and open grade and replace waterline and line sewer line. The Engineer's Estimate is \$7,596,297.90.

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

Bid proposals were opened on March 12, 2020. Sierra Nevada Construction is the apparent low bidder at \$9,194,007.00. and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Road and Highway Builders with a bid of \$9,878,878.00.

The project is state funded; required 8.16% SBE participation; and Bidder's Preference was applied but did not affect the successful contractor's ranking.

The subcontractor and supplier listings submitted by Sierra Nevada Construction has been reviewed and confirmed by Contract Services. The SBE information submitted by the Sierra Nevada Construction has been reviewed and certified by the External Civil Rights office. Sierra Nevada Construction has met the required SBE participation with an 8.31% commitment. The bid is above the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair has provided her 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 approval of the award at the April 2020 Transportation Board meeting.

Concurrence in award:

DocuSigned by:
Clifford M. Lawson
809C7D7ABB4A443...
Clifford Lawson, Deputy Director

DocuSigned by:
Darin Tedford
59F82CD438AD46A...
Darin Tedford, Assistant Director

DocuSigned by:
Kristina L. Swallow
C4B012FC261E4FB...
Kristina Swallow, Director

Attachments:
Unofficial Bid Results Report
SBE Sub Approval
BRAT Report



Nevada Department of Transportation
Unofficial Bid Results
 March 12, 2020

Contract Number: 3817 Designer: Senior Designer: Victor Peters Estimate Range: R27 \$6,600,000.01 to \$7,950,000 Project Number: SPF-050-4(029)	Bid Opening Date and Time: 3/12/2020 1:30 PM Liquidated Damages: \$6,400.00 Completion Date: 10/23/2020 District: District 3
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County: Lander
Location: US 50 Austin, from 0.52 miles east of SR 305 to east side of town
Description: To pulverize existing roadbed, roadway excavation, roadway modification with plantmix bituminous surface and open grade. Replace waterline and line sewer line.

	Actual Bid
Apparent Low Bidder: <u>Sierra Nevada Construction, Inc.</u>	<u>\$9,194,007.00</u>
Apparent 2nd: <u>Road and Highway Builders LLC</u>	<u>\$9,878,878.00</u>

Bidders:	Certificate of Eligibility	Actual Bid Amount
1 Sierra Nevada Construction, Inc. PO Box 50760 Sparks, NV 89435 (775) 355-0420	✓	\$9,194,007.00
2 Road and Highway Builders LLC 175 Salomon Circle Ste #103 Sparks, NV 89434 (775) 852-7283	✓	\$9,878,878.00



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

MEMORANDUM
Contract Compliance

March 19, 2020

To: Doug Benamati, Deputy Chief – Administrative services

From: Paulita De La Cruz, DBE Specialist

DocuSigned by:

9A647C8047694B9...

Subject: NDOT Bidder DBE Information – Contract no. 3817, US 50 Austin, from 0.52 Miles East of SR 305 to East Side of Town, in Lander County, to Pulverize existing roadbed, roadway excavation, roadway modification with plantmix bituminous surface and open grade; replace waterline and line sewer line.

Apparent low bid: \$9,194,007.00

The SBE information for T and S DVBE, Inc., Classic Transport, LLC, and Titan Electrical Contracting, Inc., submitted by the apparent low bidder, Sierra Nevada Construction, Inc., has been received by the DBE Program office and we have concluded:

T and S DVBE, Inc., Classic Transport, LLC, and Titan Electrical Contracting, Inc., hold active State of Nevada business licenses and are Nevada certified SBE firms. Additionally, Titan Electrical Contracting, Inc. holds an active Nevada State Contractors Board license. All firms are clear of State disqualification and Federal exclusion.

The SBE goal of 8.16% has been met with a 8.31% SBE committed participation by the apparent low bidder Sierra Nevada Construction, Inc.

The SBE firms are approved for this contract.

cc: Contract Services
Contract Compliance
Teri Lewis, DBE/Title VI Manager
Julie Boyster, Asst. DBE/Title VI Manager



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

MEMORANDUM
Administrative Services

March 18, 2020

To: Doug Benamati, Deputy Chief - Administrative Services

From: Bid Review and Analysis Team

Subject: BRAT Summary Report for Contract # 3817

The Bid Review and Analysis Team (BRAT) met on March 17, 2020 to discuss bids for the above referenced contract. The following were in attendance:

Sharon Foerschler, Chief Construction Engineer
Casey Connor, Assistant Chief Roadway Design Engineer
Shawn Paterson, Professional Engineer
Kimberly Diegle, Professional Engineer
Christopher Holman, Professional Engineer
Katie Durham, Associate Engineer
Victor Peters, Associate Engineer
Tyler Saunders, Administrative Services
Jasen Stoffer, Administrative Services

Via Phone:

Regina Pierce, Professional Engineer
Stephen Lani, Professional Engineer
Robert Thran, Associate Engineer
Dean Morton, Professional Engineer
Darren Hansen, Associate Engineer
Michael West, Associate Engineer
Dale Wagner, FHWA

The BRAT Team has reviewed the Bid Tabulation and Price Sensitivity report for Contract 3817, the Town of Austin Project. The purpose of this project is to perform a roadbed modification through town, ADA ramp and sidewalk improvements, hydraulic rehabilitation improvements, and sewer and water utility improvements for the Town. The team found no quantity errors, but some engineer's estimate prices were found to be low given the rural location and material needs of this project. There is limited historical cost data for this type of detailed ADA concrete work and utility work in a rural town. Lander County has committed to spending \$2.3 million on this project to cover the cost of the sewer line rehabilitation and water line replacement work. This project was designated with a completion date of October 23, 2020 in order for this work to be completed in one season and limit the impact to the community. The existing road is in poor condition and requires a full roadbed modification. If this project is delayed, this condition could worsen and

would most likely need interim repair. The storm drain beneath US 50 through Austin is also severely deteriorated. This deterioration presents a significant undermining risk to the roadway and adjacent properties. Failures have occurred in the past, and further delay could result in increased costs of repair. Setting a completion date allows the NDOT, Lander County, and the Town meet their project goals, but this can have the potential to escalate prices due to the risk in schedule to the contractor. Even though the apparent low bid is higher than anticipated, The BRAT feels this is a fair price for the work and is recommending to award this contract to Sierra Nevada Construction.

The apparent low bidder, Sierra Nevada Construction, submitted a bid which is 121% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

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Sharon Foerschler, BRAT Co-Chair

cc: Attendees
Scott Hein, Chief Roadway Design Engineer
Dennis Gallagher, Legal
Design Admin

Bid Tabulation**- March 12, 2020 -****Contract No.:** 3817**Description:** Pulverize existing roadbed, roadway excavation, roadway modification with plantmix bituminous surface and open grade. Replace waterline and line sewer line.**Location:** US 50 Austin, from 0.52 Miles East of SR 305 to East Side of Town**Bid Opening:** March 12, 2020, 1:30 PM**Project No.:** SPF-050-4(029)**Project Id:** 60830**County:** Lander**Range:** R27 (\$6,600,000.01 to \$7,950,000.00)**Completion Date:** October 23, 2020

Item No.	Quantity	Unit	Description	Engineer's Estimate		Sierra Nevada Construction		Road and Highway Builders	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2000100	10.000	HOUR	SURVEY CREW	\$300.00	\$3,000.00	\$330.00	\$3,300.00	\$280.00	\$2,800.00
2020230	62.000	CUYD	REMOVAL OF HAZARDOUS MATERIAL	\$400.00	\$24,800.00	\$410.00	\$25,420.00	\$200.00	\$12,400.00
2020285	436.000	LINFT	REMOVAL OF CULVERT PIPE	\$50.00	\$21,800.00	\$60.00	\$26,160.00	\$60.00	\$26,160.00
2020530	1.000	EACH	REMOVAL OF HEADWALL	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
2020670	2.000	EACH	REMOVAL OF VAULT	\$5,000.00	\$10,000.00	\$22,300.00	\$44,600.00	\$2,500.00	\$5,000.00
2020680	59.000	EACH	REMOVAL OF WATER METER ASSEMBLY	\$1,000.00	\$59,000.00	\$1,060.00	\$62,540.00	\$250.00	\$14,750.00
2020700	1,300.000	LINFT	REMOVAL OF WATER PIPE	\$40.00	\$52,000.00	\$15.50	\$20,150.00	\$20.00	\$26,000.00
2020710	5.000	EACH	REMOVAL OF FIRE HYDRANT ASSEMBLY	\$1,000.00	\$5,000.00	\$2,550.00	\$12,750.00	\$259.00	\$1,295.00
2020935	1,083.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$120.00	\$129,960.00	\$250.00	\$270,750.00	\$100.00	\$108,300.00
2021040	17.000	EACH	REMOVAL OF DROP INLET	\$900.00	\$15,300.00	\$1,750.00	\$29,750.00	\$2,000.00	\$34,000.00
2021070	138.000	LINFT	REMOVAL OF CURB AND GUTTER	\$20.00	\$2,760.00	\$30.00	\$4,140.00	\$95.00	\$13,110.00
2021225	1,000.000	LINFT	REMOVAL OF SEWER PIPE	\$50.00	\$50,000.00	\$10.00	\$10,000.00	\$170.00	\$170,000.00
2021231	25.000	LINFT	REMOVAL OF SLOTTED DRAIN	\$50.00	\$1,250.00	\$60.00	\$1,500.00	\$200.00	\$5,000.00
2021240	47.000	LINFT	REMOVAL OF CORRUGATED METAL PIPE DOWNDRAIN	\$50.00	\$2,350.00	\$40.00	\$1,880.00	\$100.00	\$4,700.00
2021287	6,020.000	LINFT	GRINDING FOR PAVEMENT MARKINGS	\$0.50	\$3,010.00	\$2.00	\$12,040.00	\$2.00	\$12,040.00
2030140	4,562.000	CUYD	ROADWAY EXCAVATION	\$20.00	\$91,240.00	\$45.00	\$205,290.00	\$45.00	\$205,290.00
2030160	16.100	CUYD	DRAINAGE EXCAVATION	\$200.00	\$3,220.00	\$150.00	\$2,415.00	\$50.00	\$805.00
2030360	2,953.000	SQYD	BASE PREPARATION	\$5.00	\$14,765.00	\$2.00	\$5,906.00	\$10.00	\$29,530.00
2060110	1,525.200	CUYD	STRUCTURE EXCAVATION	\$50.00	\$76,260.00	\$110.00	\$167,772.00	\$60.00	\$91,512.00
2070110	344.700	CUYD	GRANULAR BACKFILL	\$80.00	\$27,576.00	\$150.00	\$51,705.00	\$20.00	\$6,894.00
2070150	2.600	CUYD	SLURRY CEMENT BACKFILL	\$250.00	\$650.00	\$750.00	\$1,950.00	\$500.00	\$1,300.00
2110160	4,016.600	SQYD	SEEDING	\$4.00	\$16,066.40	\$8.00	\$32,132.80	\$2.00	\$8,033.20
2130120	5.000	EACH	CONCRETE VALVE BOX	\$1,500.00	\$7,500.00	\$2,500.00	\$12,500.00	\$3,400.00	\$17,000.00
2130130	20.000	EACH	CONCRETE VALVE BOX, SINGLE	\$1,000.00	\$20,000.00	\$1,300.00	\$26,000.00	\$3,000.00	\$60,000.00
2130350	56.000	EACH	WATER METER ASSEMBLY (3/4-INCH)	\$1,000.00	\$56,000.00	\$1,800.00	\$100,800.00	\$1,500.00	\$84,000.00
2130370	2.000	EACH	WATER METER ASSEMBLY (1 1/2-INCH)	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00	\$2,500.00	\$5,000.00
2130390	1.000	EACH	WATER METER ASSEMBLY (2-INCH)	\$4,000.00	\$4,000.00	\$3,400.00	\$3,400.00	\$3,000.00	\$3,000.00
3020140	674.900	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$150.00	\$101,235.00	\$250.00	\$168,725.00	\$180.00	\$121,482.00
3050140	25,894.900	SQYD	PROCESSING FOR ROADBED MODIFICATION	\$3.00	\$77,684.70	\$3.50	\$90,632.15	\$9.00	\$233,054.10
3050190	25,894.900	SQYD	PULVERIZE EXISTING SURFACE	\$2.00	\$51,789.80	\$2.00	\$51,789.80	\$9.00	\$233,054.10
3050220	213.000	TON	PORTLAND CEMENT	\$190.00	\$40,470.00	\$200.00	\$42,600.00	\$200.00	\$42,600.00
4020100	3,249.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$18.00	\$58,482.00	\$4.00	\$12,996.00	\$28.00	\$90,972.00
4020180	7,332.000	TON	PLANTMIX SURFACING (TYPE 2) (WET)	\$140.00	\$1,026,480.00	\$125.00	\$916,500.00	\$180.00	\$1,319,760.00
4030110	900.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$150.00	\$135,000.00	\$180.00	\$162,000.00	\$250.00	\$225,000.00
4060120	3,249.000	SQYD	PRIME COAT	\$2.00	\$6,498.00	\$6.00	\$19,494.00	\$5.00	\$16,245.00
4070135	2.200	TON	CUTBACK ASPHALT, TYPE MC-250	\$1,000.00	\$2,200.00	\$1,000.00	\$2,200.00	\$1,000.00	\$2,200.00
5020275	2,064.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	\$140.00	\$288,960.00	\$160.00	\$330,240.00	\$120.00	\$247,680.00

Bid Tabulation

- March 12, 2020 -

Item No.	Quantity	Unit	Description	Engineer's Estimate		Sierra Nevada Construction		Road and Highway Builders	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
5020750	54.250	CUYD	CLASS AA CONCRETE (MINOR)	\$1,200.00	\$65,100.00	\$2,500.00	\$135,625.00	\$3,000.00	\$162,750.00
5050100	4,147.000	POUND	REINFORCING STEEL	\$3.00	\$12,441.00	\$2.50	\$10,367.50	\$8.00	\$33,176.00
6000100	308.000	LINFT	TRENCH DRAIN	\$170.00	\$52,360.00	\$250.00	\$77,000.00	\$250.00	\$77,000.00
6030110	23.000	LINFT	12-INCH REINFORCED CONCRETE PIPE, CLASS III	\$200.00	\$4,600.00	\$80.00	\$1,840.00	\$240.00	\$5,520.00
6030140	292.000	LINFT	15-INCH REINFORCED CONCRETE PIPE, CLASS III	\$80.00	\$23,360.00	\$90.00	\$26,280.00	\$250.00	\$73,000.00
6030170	218.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$120.00	\$26,160.00	\$115.00	\$25,070.00	\$260.00	\$56,680.00
6030230	55.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$9,900.00	\$135.00	\$7,425.00	\$300.00	\$16,500.00
6040250	43.000	LINFT	18-INCH CORR. METAL PIPE (12 GAGE)	\$150.00	\$6,450.00	\$100.00	\$4,300.00	\$250.00	\$10,750.00
6040360	17.000	LINFT	24-INCH CORR. METAL PIPE (12 GAGE)	\$250.00	\$4,250.00	\$115.00	\$1,955.00	\$300.00	\$5,100.00
6080250	2.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$500.00	\$1,000.00	\$850.00	\$1,700.00	\$700.00	\$1,400.00
6080470	1.000	EACH	18-INCH METAL END SECTION (DOWNDRAIN)	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
6090270	32.000	EACH	ADJUSTING MANHOLE COVERS (METHOD C)	\$1,600.00	\$51,200.00	\$1,700.00	\$54,400.00	\$1,900.00	\$60,800.00
6090280	8.000	EACH	MODIFY MANHOLE	\$4,000.00	\$32,000.00	\$5,000.00	\$40,000.00	\$1,500.00	\$12,000.00
6090290	10.000	EACH	CONNECT TO EXISTING MANHOLE	\$3,000.00	\$30,000.00	\$1,900.00	\$19,000.00	\$1,500.00	\$15,000.00
6090330	1.000	EACH	SPECIAL SEWER MANHOLE	\$15,000.00	\$15,000.00	\$14,000.00	\$14,000.00	\$5,000.00	\$5,000.00
6090400	5.000	EACH	TYPE 4 MANHOLE	\$10,000.00	\$50,000.00	\$28,000.00	\$140,000.00	\$35,000.00	\$175,000.00
6090518	840.000	LINFT	4-INCH SANITARY SEWER PIPE	\$100.00	\$84,000.00	\$210.00	\$176,400.00	\$250.00	\$210,000.00
6090520	200.000	LINFT	6-INCH SANITARY SEWER PIPE	\$150.00	\$30,000.00	\$130.00	\$26,000.00	\$260.00	\$52,000.00
6090560	1.000	LS	TEMPORARY SEWER LINE RELOCATION	\$50,000.00	\$50,000.00	\$2,500.00	\$2,500.00	\$20,000.00	\$20,000.00
6090610	17.000	EACH	ADJUSTING VALVE COVERS (METHOD C)	\$800.00	\$13,600.00	\$1,400.00	\$23,800.00	\$1,800.00	\$30,600.00
6091030	2,750.000	POUND	CASTINGS	\$3.00	\$8,250.00	\$4.25	\$11,687.50	\$4.00	\$11,000.00
6091040	15,739.000	POUND	STRUCTURAL STEEL GRATES	\$2.50	\$39,347.50	\$2.00	\$31,478.00	\$4.00	\$62,956.00
6091500	120.000	LINFT	8-INCH POLYVINYL CHLORIDE PIPE	\$460.00	\$55,200.00	\$120.00	\$14,400.00	\$90.00	\$10,800.00
6091705	1.000	FA	PIPE REPAIR	\$618,875.00	\$618,875.00	\$618,875.00	\$618,875.00	\$618,875.00	\$618,875.00
6091706	2,800.000	LINFT	10-INCH PIPE LINER	\$145.00	\$406,000.00	\$54.50	\$152,600.00	\$70.00	\$196,000.00
6091788	3,119.000	LINFT	72-INCH PIPE LINER	\$430.00	\$1,341,170.00	\$470.00	\$1,465,930.00	\$400.00	\$1,247,600.00
6100050	114.000	SQYD	GEOTEXTILE (CLASS 1)	\$10.00	\$1,140.00	\$12.00	\$1,368.00	\$12.00	\$1,368.00
6100190	2.000	CUYD	RIPRAP (CLASS 300)	\$150.00	\$300.00	\$700.00	\$1,400.00	\$300.00	\$600.00
6100200	50.000	CUYD	RIPRAP (CLASS 400)	\$160.00	\$8,000.00	\$200.00	\$10,000.00	\$300.00	\$15,000.00
6100470	1.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$250.00	\$250.00	\$1,000.00	\$1,000.00	\$400.00	\$400.00
6100480	14.000	CUYD	RIPRAP BEDDING (CLASS 400)	\$260.00	\$3,640.00	\$250.00	\$3,500.00	\$300.00	\$4,200.00
6130130	28.000	SQYD	DETECTABLE WARNINGS	\$380.00	\$10,640.00	\$380.00	\$10,640.00	\$300.00	\$8,400.00
6130770	57.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (SPECIAL)	\$100.00	\$5,700.00	\$200.00	\$11,400.00	\$90.00	\$5,130.00
6130780	3,066.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 1)	\$40.00	\$122,640.00	\$80.00	\$245,280.00	\$75.00	\$229,950.00
6130870	140.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 7)	\$90.00	\$12,600.00	\$175.00	\$24,500.00	\$90.00	\$12,600.00
6131140	1,004.000	SQYD	CLASS AA CONCRETE SIDEWALK (4-INCH)	\$100.00	\$100,400.00	\$170.00	\$170,680.00	\$100.00	\$100,400.00
6131270	929.000	SQYD	CLASS AA CONCRETE DRIVEWAY (6-INCH)	\$110.00	\$102,190.00	\$190.00	\$176,510.00	\$110.00	\$102,190.00
6131280	672.000	SQYD	CLASS AA CONCRETE DRIVEWAY (6-INCH) (REINFORCED)	\$120.00	\$80,640.00	\$170.00	\$114,240.00	\$115.00	\$77,280.00
6131430	137.000	SQYD	CLASS AA CONCRETE RAMP (4-INCH)	\$130.00	\$17,810.00	\$190.00	\$26,030.00	\$180.00	\$24,660.00
6190200	144.000	EACH	GUIDE POSTS (RIGID)	\$55.00	\$7,920.00	\$46.00	\$6,624.00	\$30.00	\$4,320.00
6190280	3.000	EACH	OBJECT MARKERS, TYPE 3	\$200.00	\$600.00	\$150.00	\$450.00	\$300.00	\$900.00
6230230	4.000	EACH	NO. 5 PULL BOX	\$900.00	\$3,600.00	\$800.00	\$3,200.00	\$2,500.00	\$10,000.00

Bid Tabulation**- March 12, 2020 -**

Item No.	Quantity	Unit	Description	Engineer's Estimate		Sierra Nevada Construction		Road and Highway Builders	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6230775	8.000	EACH	LOOP DETECTOR	\$900.00	\$7,200.00	\$900.00	\$7,200.00	\$1,500.00	\$12,000.00
6231820	28.000	LINFT	3-INCH CONDUIT	\$40.00	\$1,120.00	\$90.00	\$2,520.00	\$90.00	\$2,520.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$45,500.00	\$45,500.00	\$45,500.00	\$45,500.00	\$45,500.00	\$45,500.00
6240140	100.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,200.00	\$120,000.00	\$1,175.00	\$117,500.00	\$1,200.00	\$120,000.00
6240530	7.000	MONTH	RENT EQUIPMENT (OFFICE SPACE)	\$2,900.00	\$20,300.00	\$3,500.00	\$24,500.00	\$3,000.00	\$21,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$259,000.00	\$259,000.00	\$368,412.51	\$368,412.51	\$500,000.00	\$500,000.00
6270100	1.000	LS	INSTALL STATE FURNISHED SIGNS	\$1,250.00	\$1,250.00	\$825.00	\$825.00	\$10,000.00	\$10,000.00
6270190	362.870	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$120.00	\$43,544.40	\$100.00	\$36,287.00	\$100.00	\$36,287.00
6270240	228.030	SQFT	PERMANENT SIGNS, REMOVE	\$10.00	\$2,280.30	\$8.00	\$1,824.24	\$12.00	\$2,736.36
6280120	1.000	LS	MOBILIZATION	\$426,144.10	\$426,144.10	\$900,000.00	\$900,000.00	\$929,582.24	\$929,582.24
6320900	12,039.000	LINFT	EPOXY PAVEMENT STRIPING (SOLID WHITE)	\$0.50	\$6,019.50	\$1.50	\$18,058.50	\$1.00	\$12,039.00
6321070	6,020.000	LINFT	EPOXY PAVEMENT STRIPING (DOUBLE SOLID YELLOW)	\$0.50	\$3,010.00	\$1.50	\$9,030.00	\$1.00	\$6,020.00
6341030	203.100	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$20.00	\$4,062.00	\$20.00	\$4,062.00	\$20.00	\$4,062.00
6341060	363.000	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$15.00	\$5,445.00	\$20.00	\$7,260.00	\$20.00	\$7,260.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$55,000.00	\$55,000.00	\$11,000.00	\$11,000.00	\$35,000.00	\$35,000.00
6370190	1.000	LS	DUST CONTROL	\$2,952.20	\$2,952.20	\$2,000.00	\$2,000.00	\$35,000.00	\$35,000.00
6500150	17.000	EACH	CONNECTION TO EXISTING WATER LINE	\$3,000.00	\$51,000.00	\$2,000.00	\$34,000.00	\$3,000.00	\$51,000.00
6500350	1.000	LS	TEMPORARY WATER LINE RELOCATION	\$80,000.00	\$80,000.00	\$25,000.00	\$25,000.00	\$70,000.00	\$70,000.00
6500530	6.000	EACH	FIRE HYDRANT ASSEMBLY	\$5,000.00	\$30,000.00	\$10,000.00	\$60,000.00	\$10,000.00	\$60,000.00
6500560	1.000	EACH	REINFORCED CONCRETE VAULT	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00	\$40,000.00	\$40,000.00
6500740	900.000	LINFT	1-INCH PLASTIC WATER PIPE	\$50.00	\$45,000.00	\$85.00	\$76,500.00	\$150.00	\$135,000.00
6500760	400.000	LINFT	2-INCH PLASTIC WATER PIPE	\$60.00	\$24,000.00	\$80.00	\$32,000.00	\$150.00	\$60,000.00
6500878	100.000	LINFT	4-INCH WATER PIPE	\$80.00	\$8,000.00	\$155.00	\$15,500.00	\$100.00	\$10,000.00
6500880	300.000	LINFT	6-INCH WATER PIPE	\$90.00	\$27,000.00	\$150.00	\$45,000.00	\$110.00	\$33,000.00
6500890	2,253.000	LINFT	8-INCH WATER PIPE	\$110.00	\$247,830.00	\$165.00	\$371,745.00	\$100.00	\$225,300.00
6501030	6.000	EACH	4-INCH INLINE GATE VALVE ASSEMBLY	\$1,000.00	\$6,000.00	\$2,300.00	\$13,800.00	\$4,000.00	\$24,000.00
6501040	8.000	EACH	6-INCH INLINE GATE VALVE ASSEMBLY	\$2,000.00	\$16,000.00	\$2,475.00	\$19,800.00	\$4,500.00	\$36,000.00
6501050	21.000	EACH	8-INCH INLINE GATE VALVE ASSEMBLY	\$2,000.00	\$42,000.00	\$3,000.00	\$63,000.00	\$5,000.00	\$105,000.00
Totals:					\$7,596,297.90		\$9,194,007.00		\$9,878,878.00

Price Sensitivity

- March 12, 2020 -

Contract No.: 3817
Project No.: SPF-050-4(029)
Project Id: 60830
County: Lander
Range: R27 (\$6,600,000.01 to \$7,950,000.00)
Completion Date: October 23, 2020

RE: Regina Pierce
Designer: Victor Peters

Engineer's Estimate	Sierra Nevada Construction	Road and Highway	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$7,596,297.90	\$9,194,007.00	\$9,878,878.00	\$684,871.00	\$1,597,709.10	121%

Item No.	Quantity	Unit	Description	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	Price & Quantity Check Comments
2020680	59.000	EACH	REMOVAL OF WATER METER ASSEMBLY	\$1,000.00	\$1,060.00	\$250.00	845.52	1433%	106%	No	Qty OK, EE OK, limited history
2020700	1,300.000	LINFT	REMOVAL OF WATER PIPE	\$40.00	\$15.50	\$20.00	-152,193.56	-11707%	39%	Yes	Qty OK, EE OK
2020935	1,083.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$120.00	\$250.00	\$100.00	4,565.81	422%	208%	Yes	Qty OK, EE OK. Multiple spot
2030140	4,562.000	CUYD	ROADWAY EXCAVATION	\$20.00	\$45.00	\$45.00	N/A	N/A	225%	Yes	Qty OK, EE Low, Ave \$30 for rural
2060110	1,525.200	CUYD	STRUCTURE EXCAVATION	\$50.00	\$110.00	\$60.00	13,697.42	898%	220%	Yes	Qty OK, EE OK, Ave 42, Hi 106
2070110	344.700	CUYD	GRANULAR BACKFILL	\$80.00	\$150.00	\$20.00	5,268.24	1528%	188%	Yes	Qty OK, EE OK, Ave \$86 R\$50-\$180 for rural
2130350	56.000	EACH	WATER METER ASSEMBLY (3/4-INCH)	\$1,000.00	\$1,800.00	\$1,500.00	2,282.90	4077%	180%	Yes	Qty OK, EE low. Should be \$2000
3020140	674.900	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$150.00	\$250.00	\$180.00	9,783.87	1450%	167%	Yes	Qty OK, EE OK, Ave \$130 R\$51-194
3050140	25,894.900	SQYD	PROCESSING FOR ROADBED MODIFICATION	\$3.00	\$3.50	\$9.00	-124,522.00	-481%	117%	No	Qty OK, EE slightly low, Ave \$4.50, limited history for quantity
3050190	25,894.900	SQYD	PULVERIZE EXISTING SURFACE	\$2.00	\$2.00	\$9.00	-97,838.71	-378%	100%	No	Qty OK, EE OK
4020100	3,249.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$18.00	\$4.00	\$28.00	-28,536.29	-878%	22%	Yes	Qty OK, EE OK, ave \$15
4020180	7,332.000	TON	PLANTMIX SURFACING (TYPE 2) (WET)	\$140.00	\$125.00	\$180.00	-12,452.20	-170%	89%	No	Qty OK, EE OK
4030110	900.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$150.00	\$180.00	\$250.00	-9,783.87	-1087%	120%	No	Qty OK, EE slightly low, ave 160
5020275	2,064.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	\$140.00	\$160.00	\$120.00	17,121.78	830%	114%	No	Qty OK, EE OK, limited history
5020750	54.250	CUYD	CLASS AA CONCRETE (MINOR)	\$1,200.00	\$2,500.00	\$3,000.00	-1,369.74	-2525%	208%	Yes	Qty OK, EE Low, Ave \$1700
6000100	308.000	LINFT	TRENCH DRAIN	\$170.00	\$250.00	\$250.00	N/A	N/A	147%	No	Qty OK, EE low, Ave 220, R100-500
6090270	32.000	EACH	ADJUSTING MANHOLE COVERS (METHOD C)	\$1,600.00	\$1,700.00	\$1,900.00	-3,424.36	-10701%	106%	No	Qty OK, EE OK
6090400	5.000	EACH	TYPE 4 MANHOLE	\$10,000.00	\$28,000.00	\$35,000.00	-97.84	-1957%	280%	Yes	Qty OK, EE OK, Ave \$11K, R7-23. This item was added in a supplemental
6090518	840.000	LINFT	4-INCH SANITARY SEWER PIPE	\$100.00	\$210.00	\$250.00	-17,121.78	-2038%	210%	Yes	Qty OK, EE price provided by consultant
6091500	120.000	LINFT	8-INCH POLYVINYL CHLORIDE PIPE	\$460.00	\$120.00	\$90.00	22,829.03	19024%	26%	Yes	Qty OK, EE high
6091706	2,800.000	LINFT	10-INCH PIPE LINER	\$145.00	\$54.50	\$70.00	-44,185.23	-1578%	38%	Yes	Qty OK, EE OK, limited history.
6091788	3,119.000	LINFT	72-INCH PIPE LINER	\$430.00	\$470.00	\$400.00	9,783.87	314%	109%	No	Qty OK, EE OK
6130780	3,066.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 1)	\$40.00	\$80.00	\$75.00	136,974.20	4468%	200%	Yes	Qty OK, EE OK, multiple spot locations
6131140	1,004.000	SQYD	CLASS AA CONCRETE SIDEWALK (4-INCH)	\$100.00	\$170.00	\$100.00	9,783.87	974%	170%	Yes	Qty OK, EE OK, multiple spot locations
6131270	929.000	SQYD	CLASS AA CONCRETE DRIVEWAY (6-INCH)	\$110.00	\$190.00	\$110.00	8,560.89	922%	173%	Yes	Qty OK, EE OK, multiple spot locations
6131280	672.000	SQYD	CLASS AA CONCRETE DRIVEWAY (6-INCH)	\$120.00	\$170.00	\$115.00	12,452.20	1853%	142%	No	Qty OK, EE OK, multiple spot locations
6240140	100.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,200.00	\$1,175.00	\$1,200.00	-27,394.84	-27395%	98%	No	Qty OK, EE OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$259,000.00	\$368,412.51	\$500,000.00	N/A	N/A	142%	No	Qty OK, EE Low. Potential daily setup removals causing cost to rise
6280120	1.000	LS	MOBILIZATION	\$426,144.10	\$900,000.00	\$929,582.24	N/A	N/A	211%	Yes	
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$55,000.00	\$11,000.00	\$35,000.00	N/A	N/A	20%	Yes	Qty OK, EE OK
6500150	17.000	EACH	CONNECTION TO EXISTING WATER LINE	\$3,000.00	\$2,000.00	\$3,000.00	-684.87	-4029%	67%	Yes	Qty OK, EE OK
6500350	1.000	LS	TEMPORARY WATER LINE RELOCATION	\$80,000.00	\$25,000.00	\$70,000.00	N/A	N/A	31%	Yes	Qty OK, EE OK
6500530	6.000	EACH	FIRE HYDRANT ASSEMBLY	\$5,000.00	\$10,000.00	\$10,000.00	N/A	N/A	200%	Yes	Qty OK, EE Low. Should be \$10000
6500740	900.000	LINFT	1-INCH PLASTIC WATER PIPE	\$50.00	\$85.00	\$150.00	-10,536.48	-1171%	170%	Yes	Qty OK, EE Low, should be \$70
6500890	2,253.000	LINFT	8-INCH WATER PIPE	\$110.00	\$165.00	\$100.00	10,536.48	468%	150%	No	Qty OK, EE OK
6501050	21.000	EACH	8-INCH INLINE GATE VALVE ASSEMBLY	\$2,000.00	\$3,000.00	\$5,000.00	-342.44	-1631%	150%	No	EE Low, ave \$3500.

Additional Comments: No quantity errors found. Some low engineer's estimate pricing based on limited historical data for this type of work in a rural location. Structure excavation and backfilling is inclusive to all utility work. Removal of Hazardous Material is inversely proportional to the removal of ACP sewer pipe costs and accounts for the entire length of the pipe. Base preparation is for miscellaneous paving only, not associated with any other aggregate base or roadbed mod quantities. Removal of composite surface is for sidewalk and driveway work in multiple spot locations through the corridor. BRAT recommends award.

Purpose and Need of Project: The purpose of this project is to perform a roadbed modification through the Town of Austin, ADA ramp and sidewalk improvements, hydraulic rehabilitation improvements, and sewer and water utility improvements for the Town.

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):

283

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

Sierra Nevada Construction, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 2055 E Greg Street	Website: www.snc.biz
City, State and Zip Code: Sparks NV 89431	Point of Contact Name: Marc Markwell
Telephone and Fax No. 7752504275	Email: mmarkwell@snc.biz

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

Street Address: 2055 E Greg Street	Website: www.snc.biz
City, State and Zip Code: Sparks NV 89431	Point of Contact Name: Marc Markwell
Local Telephone and Fax No. 7752504275	Email: mmarkwell@snc.biz

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)
Kevin L. Robertson	President	50
Craig D. Holt	Vice President	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:

 Signature _____
 CFO
 Title _____

Marc Markwell

 Print Name
 04/08/2020

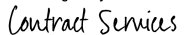
 Date

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 _____

Contract Services

 Print Name
 Authorized NDOT Representative

ITEM #7 IS INTENTIONALLY LEFT BLANK



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

MEMORANDUM

April 3, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM # 8: Consideration for Approval of Agreements over \$300,000 - *For possible action*

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:

- Design-Build contracts
- 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 February 7, 2020, through March 12, 2020

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 February 7, 2020, through March 12, 2020.

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 Attachment(s):

A.) State of Nevada Department of Transportation Agreements for Approval, February 7, 2020, through March 12, 2020

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
 February 7, 2020 through March 12, 2020

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	Division Head	Notes
1	48119	00	CA GROUP, INC.	ENVIRONMENTAL SERVICES	N	\$2,920,128.00	-	-	\$2,920,128.00	-	04/13/2020	12/31/2021	-	Service Provider	Project Management	Cliff	Nick	04-13-20: PERFORM THE NECESSARY STUDIES, DOCUMENTATION, AND OUTREACH REQUIRED TO MEET THE NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) STANDARDS, AND UPON COMPLETION OF THE NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) STUDY, A FUTURE AMENDMENT IS ANTICIPATED TO DEVELOP A THIRTY PERCENT (30%) DESIGN FOR THE PREFERRED ALTERNATIVE(S) TO IMPROVE THE SYSTEM TO SYSTEM INTERCHANGE: I-215 WESTERN LIMITS - VALLEY VERDE DRIVE; LAKE MEAD PARKWAY EASTERN LIMITS - VAN WAGENEN STREET; I-11/ I-515 NORTHERN LIMITS - GALLERIA DRIVE; I-11/ I-515 SOUTHERN LIMITS - HORIZON DRIVE, CLARK COUNTY. NV B/L#: NVD20081407877 PROPOSER: CA GROUP, INC.
2	53919	00	HDR ENGINEERING, INC.	CONSTRUCTION ENGINEERING SERVICES	N	\$3,491,032.41	-	-	\$3,491,032.41	-	04/13/2020	12/31/2022	-	Service Provider	Construction	Cliff	Sharon	04-13-20: PROFESSIONAL AND TECHNICAL ENGINEERING SERVICES FOR FULL ADMINISTRATION OF DISTRICT II BETTERMENT PROJECTS ON AN AS-NEEDED BASIS WITH AS LITTLE AS TWO WEEKS NOTICE TO ENSURE CONFORMANCE WITH THE PLANS, SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS, CARSON CITY, CHURCHILL, DOUGLAS, HUMBOLDT, LYON, MINERAL, PERSHING, STOREY, AND WASHOE COUNTIES. NV B/L#: NVF19851010291-R PROPOSER: HDR ENGINEERING, INC.
3	67319	00	CA GROUP, INC.	PROJECT RISK ANALYSIS AND FINANCIAL PLANS	N	\$799,000.00	-	-	\$799,000.00	-	04/13/2020	04/28/2023	-	Service Provider	Project Management	Cliff	Nick	04-13-20: SERVICES WILL BE ON AN AS-NEEDED BASIS AND WILL INCLUDE: REVIEW RELEVANT PROJECT DOCUMENTS; CREATE, REVIEW AND EVALUATE THE MOST CURRENT BASE COST ESTIMATE; CREATE, REVIEW AND EVALUATE THE MOST CURRENT MICROSOFT OFFICE PROJECT (MS PROJECT) SCHEDULE; REVIEW AND UPDATE PROJECT REVENUE SOURCES BY COORDINATING WITH THE DEPARTMENT'S FINANCIAL MANAGEMENT, FHWA AND OTHER AGENCIES OR ENTITIES THAT ARE PROVIDING REVENUES; REVIEW AND UPDATE RISKS DELINEATED IN THE CURRENT RISK REGISTER; PERFORM PROBABILISTIC RISK ANALYSIS VIA MONTE CARLO SIMULATION MODELS TO ESTABLISH A PROBABLE RANGE FOR COST AND SCHEDULE; VALIDATE RISK INFORMATION PROVIDED AND RISK MODEL USED; REVIEW AND UPDATE PROJECT MANAGEMENT PLANS AND FINANCE PLANS; PERFORM VALUE ENGINEERING ANALYSIS; ESTABLISH RISK-BASED ESTIMATES; PERFORM BENEFIT COST ANALYSIS; UPDATE RISK MANAGEMENT AND RISK-BASED COST ESTIMATION GUIDELINES; AND PROVIDE TRAINING BASED ON THE UPDATED GUIDELINES, STATEWIDE. NV B/L#: NVD20081407877-R PROPOSERS: CA GROUP, INC., HDR ENGINEERING, INC.

Line Item 1

481-19-110

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): TBD

Type of Services: Environmental Phase (NEPA) and Preliminary Engineering on Henderson Interchange Improvement

DS
NJ

Originated by: Luis Garay Division: Project Mgmt Date Originated: 8/7/2019

Division Head/District Engineer: Nicholas Johnson

DS
M

Budget Category #: 466006 Object #: 814D Organization #: C110

Estimated Cost: \$ 3,500,000.00 Type of Funding: State % of Fund: 100

Funding Notes: State Fiscal Year(s): 2020, 2021, 2022

FY 2020: \$500,000.00; FY 2021: \$ 2,000,000.00; FY2022: \$ 1,000,000.00

Financial Management:

DocuSigned by:
Donna Spelts 8/9/2019
8A78D93AD715 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:
Kathleen McKee 8/9/2019
9E9F10973C1541 Signature Date

Director:

DocuSigned by:
Kristina L. Swallow 8/9/2019
C4B612FC2C1541 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:

Please see attachment

Scope of Services:

Please see attachment



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

MEMORANDUM

March 11, 2020

TO: Clifford Lawson, Assistant Director

FROM: David Bowers, Senior Project Manager

DS
DB
DS
LR
DS
NJ

SUBJECT: Negotiation Summary for RFP 841-18-110 Henderson Interchange NEPA Study

This project follows the Feasibility Study that was performed by the City of Henderson, in conjunction with NDOT and the FHWA, for interchange improvements at the intersection of I-215, I-15, I-11, and US 95. The scope (Attachment A) provides for the consultant to perform; a Value Analysis on the results of the Feasibility Study, preliminary engineering for NEPA alternatives, and environmental activities to complete an Environmental Assessment. Upon completion of the NEPA Study, an amendment is expected to develop 30% design for the preferred alternative. After the 30% design is complete, the Department anticipates a new RFP for the final design, procurement, and/or pre-construction tasks pending the appropriate delivery method of the project.

A negotiation meeting was held at the RTC Conference Room 127 in Las Vegas and PM Conference Room in Carson City on February 20, 2020, with James Caviola (via telephone) and James Mischler representing the CA Group (SERVICE PROVIDER) and Nicholas Johnson, David Bowers, Chris Young, and Luis Garay representing the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at One-point-Five percent (1.5%).

The duration of this agreement will be for 21 months, ending on December 2021.

The following schedule was agreed to by both parties:

Date	Task to be Completed
4/13/2020	Transportation Board Approval
7/28/2020	Final VA Report
1/19/2021	Alternatives Refinement Report
12/2/2021	Environmental Assessment and approved FONSI

Key personnel dedicated to this project are as follows:

Name	Title	Estimated Number of Hours
James Caviola, PE, PTOE	Project Manager	851
James Mischler, PE	Design/Engineering Lead	1,101

Jeff Bingham	Environmental Lead	1,566
	Total Hours:	3,518

Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Active Agreement No.
Innova Technologies (DBE)	Structural Engineering Support	none
BEC Environmental (DBE)	Hazardous/Regulated Materials	none
Jacobs	Traffic/NEPA	P566-14-110 702-18-802
RHA (DBE)	Value Analysis, Partnering Facilitation	none
Stantec	L&A	199-17-010
RDV Systems	Visualizations & Animation	none
Advanced Transportation Solutions (ATS)	DDI Peer Review	none
Horrocks	PI	311-18-002

The DEPARTMENT's original estimate was \$3,466,761 including direct labor (7,385 man-hours of work by the SERVICE PROVIDER), overhead rate of 168%, a 12.5% fee, and direct expenses at \$746,562 (including sub-consultant expenses).


The SERVICE PROVIDER's original estimate was \$4,385,760, including direct labor (15,093 man-hours of work by the SERVICE PROVIDER), overhead rate of 100.870%, a 12% fee, and direct expenses at \$ 1,747,833 (including sub-consultant expenses and other direct costs).

The overhead rate of 100.870% was provided by the Internal Audit Division.

The negotiations yielded the following:

1. Based upon the direct labor costs of \$878,762 and an overhead rate of 100.870%, the overhead amount will be \$886,407.
2. A fee of 10% was agreed to by both parties and will be \$176,517 for this agreement based upon direct labor costs and an overhead rate of 100.870%.
3. The direct expenses agreed to total \$978,442 for sub-consultants, reproduction, communication, travel and per diem. There will be no direct compensation for computer time.
4. The total projected man-hours allocated for this project is 10,698 Hrs.
5. The total negotiated cost for this Agreement is \$2,920,128.
6. The DBE percentage of work, assuming that all tasks are completed, is 2.26%

Reviewed and Approved:

DocuSigned by:

 Clifford M. Lawson, Deputy Director
 Assistant Director
609C7D7A5B4A443...

Henderson Interchange Environmental Services

ATTACHMENT – A

SCOPE OF SERVICES

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Project Description

The Interstate 11/Interstate, 515/Interstate 215/Lake Mead Parkway System to System Interchange, referred to as the Henderson Interchange, is located in Clark County, Nevada. The study area of the project is anticipated to be as follows:

- I-215 Western Limits: Valley Verde Drive
- Lake Mead Parkway Eastern Limits: Van Wagenen Street
- I-515 Northern Limits: Galleria Drive
- I-11 Southern Limits: Horizon Drive

The Henderson System to System Interchange between I-215 and I-11/ I-515 was constructed in the early-2000s when the population of the Las Vegas Valley was one million (1,000,000) people. The population has since more than doubled and is projected to continue to increase. As the traffic volumes at the interchange exceed the original design-year volumes, the DEPARTMENT desires to complete the necessary National Environmental Policy Act (NEPA) and design studies to determine appropriate measures to improve the interchange to accommodate the future travel demands.

The purpose of this procurement is to perform the necessary studies, engineering, documentation, and outreach required to meet the NEPA standards for a Finding of No Significant Impact associated with an Environmental Assessment. The project will improve the operations, capacity, and safety of the interchange, and address alternative modes of travel as appropriate.

Work under this procurement will be managed and performed under Task Orders.

After completion of the initial agreement or sooner, the DEPARTMENT (based on the selected delivery method) may issue amendments (or Task Orders) to provide the additional services needed to deliver the project. This work may include, but not be limited to, finalizing the plans, specifications and estimates, innovative delivery procurement support and administration, and innovative delivery construction contract administration.

Task Order 1 – Value Engineering

1.1 Project Management

The SERVICE PROVIDER will provide a Project Manager to support the DEPARTMENT Project Manager (PM), coordinate SERVICE PROVIDER activities, staff the project, assist with communications, participate in meetings, oversee the SERVICE PROVIDER tasks, and advise the DEPARTMENT management. The SERVICE PROVIDER's project manager will provide staff planning and resources requirements to meet Project schedule commitments, including highway, structural, drainage, utilities, traffic (including Transportation Systems Management and Operations; and signals, lighting and intelligent transportation systems), geotechnical engineers, NEPA professionals and support staff required to perform the oversight and independent quality assurance reviews.

The SERVICE PROVIDER will provide a Project Assistant to provide various administrative duties, including but not limited to distributing meeting notes, organizing meetings, executing errands, and other duties as directed. It is expected that discipline leads will participate in managing their respective aspects of the work and will report to the project manager weekly on the status of the work.

1.2 Project Controls

The SERVICE PROVIDER will create, monitor and update the Project Schedule as part of the Monthly Progress Report process. The schedule will be updated monthly.

The SERVICE PROVIDER will provide monthly invoices including a progress report. The monthly progress reports/invoices will be submitted to the DEPARTMENT's Project Manager as a package in advance of each regularly scheduled progress meeting. It will be based on data received from each task lead and SERVICE PROVIDER and will address the following:

- Work task completed since the last report
- Progress on each work task planned and overall percentage complete for the next reporting period
- Needs/requests between the DEPARTMENT task leads and SERVICE PROVIDERS
- DBE plan progress
- Change to date

In the event of a formal change request and/or contract amendment, a scope schedule and budget proposal will be developed for the DEPARTMENT's consideration. Proposal data will be sufficient to establish effects to project completion, labor detail to establish suite of expertise and a clear depiction of services and deliverables to be provided.

1.3 Quality

The SERVICE PROVIDER is responsible for the quality, accuracy and completeness of the materials prepared under this contract and shall check such material accordingly. The SERVICE PROVIDER will provide a comprehensive QC plan for documents, plans, calculations and estimates for the work being performed under this contract. The SERVICE PROVIDER shall also have a QA review for this project that is independent of the design function.

The SERVICE PROVIDER will deliver copies of comment summary sheets to the DEPARTMENT Project Manager.

QA reviews will be performed on deliverables, documents and processes necessary to complete the work on this project.

1.4 Document Controls

1.4.1 General Document Management

The SERVICE PROVIDER shall utilize Bentley ProjectWise for the purpose of storing and transferring Project files throughout the life of the Project. The information available on ProjectWise will include, but not be limited to, Project documentation including meeting minutes, design calculations, electronic files, correspondence, email, etc., including scanning of hard copies not transmitted electronically. The DEPARTMENT Project Manager and task leads shall have access to the files through a secured account and may request access rights to other agency representatives, agents, employees and officials involved with the Project. Provisions will also be made to archive this data.

- All working files will be updated as they are revised. Current versions will be available at all normal working times.
- MicroStation files will be posted in Version 8i
- Regular Administrative document control filing

1.4.2 Administrative Record

The SERVICE PROVIDER will prepare an Administrative Record for the project. The documentation will include:

- NEPA documents. The draft environmental assessment, final environmental assessment.
- References. Documents referenced in the environmental assessment.
- Technical Reports. Technical reports including the qualifications of the experts involved in preparing it.
- Meeting Summaries. Meeting summaries including copies of meeting handouts and sign-in sheets along with the meeting summary.
- Telephone Memos. Telephone conversations for the purpose of gathering substantive information for the NEPA study will be included in the record
- Correspondence with Agencies and Stakeholders. Correspondence from resource agencies and key stakeholders will be kept in the record.
- Public Information. Press releases, Newsletters, Draft EA comments, Final EA comments, displays, Public Hearing information, Public Hearing testimonies

- Comment/Response Matrices. Comments received from agencies will be compiled in a comment/response matrix that track comments and demonstrate how they have been addressed and retained in the record

An electronic version of the archive will be prepared on a portable storage device and delivered to the DEPARTMENT within ninety days of acquiring an approved CE or FONSI.

1.5 Project Management Plan

A single Project management plan for all tasks will be developed based on the DEPARTMENT's PM Division guidelines for the Henderson Interchange Environmental Services with input from the DEPARTMENT.

The DEPARTMENT's Project Management Plan (PMP) for administering the NEPA project will provide the guidance for planning, executing, monitoring, controlling and closing the project. The plan will include a project schedule to define the activities and processes that the project team will follow to meet the project goals.

The PMP will receive annual updates for the assumed term of performance, or as needed to incorporate project changes affecting the project delivery/management.

Additional PMP's for potential project phases are not included in this scope of services.

1.6 Value Analysis/Value Engineering

The general mission of the Value Analysis (VA) study is to provide the DEPARTMENT with recommendations for improved value solutions, where possible, for meeting the project's highway capacity and safety goals. A VA Team will provide recommendations that seek to minimize total initial and life-cycle cost, and will also address functional improvements, where possible. SERVICE PROVIDER will lead the VA Team, consisting of the DEPARTMENT multi-disciplinary staff assigned to the study, representatives from the City of Henderson, and SERVICE PROVIDER representatives, including the VA Team Leader. In this session, the VA Team can concentrate on the following areas:

- Identifying cost-driven design criteria and functions
- Identifying marginally justified supporting functions
- Identifying project elements that may have inappropriate cost-to-worth relationships, and validate appropriate cost-to-worth relationships
- Improving project design concepts through documented collaborative analysis and recommendations.
- Outlining any apparent risk areas that the DEPARTMENT could face in terms of overall project delivery.

In many instances, the VA process simply allows the team to explore alternative design concepts that are more cost-effective or more functionally effective than the original proposal. One important aspect of the VA study will be to validate communication among project stakeholders, and to recommend implementable VA proposals that the VA Team believes will enhance project design elements, or will reduce cost without sacrificing function. The VA Team will be prepared to effectively communicate the

tradeoffs among the following issues:

- Cost versus flexibility and redundancy
- Cost versus convenience
- Cost savings and innovation versus agency risk
- Initial capital savings versus operational cost
- Phased construction in comparison to cash flow or project budget constraints.

The VA process encourages full communication between project stakeholders which contributes to value-added alternatives from the VA study. Additional opportunities for savings can result from clear communication of the tradeoffs mentioned above.

Because of institutional complexities resulting from the project delivery process, some decision stakeholders may not be fully aware of all the cost ramifications associated with the decisions made by multi-disciplined committees and political forces.

SERVICE PROVIDER will follow the VA job plan as prescribed by *SAVE International-The Value Society*, formerly known as *SAVE -The Society of American Value Engineers*.

Pre-Study Phase: Coordination Prior to the VA Study

The SERVICE PROVIDER VA Team Leader will attend a Pre-Study Workshop teleconference approximately 4 to 6 weeks prior to the VA Study. The Pre-Study Workshop teleconference will be attended by the SERVICE PROVIDER's VA Study facilitator, the Project Manager, and the Engineering Lead. The purpose of the Pre-Study Workshop will be to review the proposed agenda for the VA Study, to coordinate with the DEPARTMENT VA manager and design team's project/design manager to request compilation of pertinent project design information for the VA study, to identify all team members who will participate on the VA study, and to determine other logistics of the VA Study.

The VA Team Leader will confirm that sufficient copies of existing design documentation will be available to the VA Team during the week of the study. Pertinent documentation includes, but is not limited to:

Feasibility Study, Traffic and Operations analysis, design drawings, cost estimates, environmental documents, schedules, budgets, soils reports, aerial photographs, right-of-way plans, the highway widening and alignment options report, and other information that describes existing conditions, the final design, and interfaces with adjacent projects (current or future).

The VA Team Leader will prepare a coordination memorandum that will be distributed to all VA Team

members in advance of the VA study. The memorandum will cover the logistics of the study, the agenda for the orientation meeting and the full VA study, and general expectations of the VA Team members.

The VA Team Leader will contact the DEPARTMENT VA Team members in advance of the study to discuss team member roles and gauge their familiarity with the VA process.

A subset of pertinent design information will be reproduced by the design SERVICE PROVIDER and sent to VA Team members for their review prior to the VA study.

The VA Team Leader will adjust the planned VA study agenda as appropriate to spend focused time on priority elements of the Henderson Interchange Improvements project within the timeframe of the one-week VA study.

Value Analysis Session

As mentioned herein, the main goal of the VA study is to provide the DEPARTMENT with recommendations for improved value solutions where possible, for meeting the overall transportation improvement goals of the project, including capacity and safety improvements. The VA team will provide recommendations that seek to minimize total initial and life-cycle cost while addressing the required functional improvements. The traffic models, operations, major components and connectivity to existing roadways will be reviewed and discussed during the VA study.

The Session will include a VA Orientation and Site Tour (1 day), followed by the 4-day) VA study held at a Las Vegas area site provided by the DEPARTMENT, totaling a VA study of approximately 5 workdays. The VA Orientation and Site Tour will be attended by the SERVICE PROVIDER's Design Manager and subject matter experts. The Pre-Study Workshop will take place approximately 1 month to 6 weeks prior to the VA Study and will be attended by the VA Study Facilitator, the SERVICE PROVIDER's Project Manager, and the Engineering Lead. The VA Orientation and site tour and VA Study will take place over a single work week. The VA Study will be attended by the SERVICE PROVIDER's Project Manager and Engineering Lead who will serve as resources to the VA team.

The VA Team will consist of the VA Leader, up to three (3) SERVICE PROVIDER Subject Matter Experts anticipated to include traffic, roadway, and structure disciplines and up to Twenty Agency staff from the DEPARTMENT, FHWA, and stakeholder agencies.

An Executive Summary presentation will be made to the DEPARTMENT, and FHWA representatives in the mid-morning to early afternoon of the last day of the VA study.

Preliminary and Final VA Reports

The deliverable from the VA study will be a PDF copy of the Preliminary VA Report, followed by a PDF copy of the Final VA Report. The VA proposals will be structured into four categories, with the focus being on a group of proposals that have the potential to reduce cost without significantly impacting project functions. Another group of proposals may be recommended that would impact project functions, but only if budget limitations force a reduction of project scope in order to bring the cost estimate in line with the budget. Additional proposals may be recommended that could increase cost, but only if significant functional enhancements would warrant such expenditures in the VA Team's opinion. A final group of VA proposals may pertain to items studied but not proposed. Observations narratives will also be prepared to document any design or project related items discussed during the VA study and recommended for follow-up.

The Preliminary VA Report will be produced and distributed to the DEPARTMENT within 12 working days following the final day of the 5-day VA study. The Preliminary VA Report will include a VA proposal summary, and complete copies of all proposal calculations and sketches. The Preliminary VA Report will be forwarded to the DEPARTMENT as a consolidated PDF document. Hard copies can follow upon request from the DEPARTMENT. Representatives from the DEPARTMENT, FHWA, and design team will be requested to review the report and make decisions as to acceptance, rejection, or modification of the VA proposals.

A post-workshop meeting will be held within two weeks following delivery of the draft VA report. The VA Team Leader, representatives from the DEPARTMENT, FHWA, and design team, and appropriate VA representatives (some by phone or video conference) will determine which proposals are being accepted, rejected, or modified.

The Final VA Report will then be prepared, once the final dispositions of the VA proposals have been determined (accepted, rejected, or modified). The Final VA Report will include typewritten summaries of the VA proposals, their disposition, the VA methodology, and other issues addressed by the VA Team. Ten copies and an electronic PDF copy of the Final VA Report will then be sent to the DEPARTMENT no later than ten working days from final recommendation.

Task Order 2 – Alternatives Refinement

2.1 Project Management

The SERVICE PROVIDER will provide project management services for work under Task Order 2 as described for Section 1.1 under Task Order 1.

2.2 Project Controls

The SERVICE PROVIDER will provide project controls services for work under Task Order 2 as described for Section 1.2 under Task Order 1.

2.3 Quality

The SERVICE PROVIDER will provide Quality Control and Quality Assurance services for work under Task Order 2 as described for Section 1.3 under Task Order 1.

2.4 Document Controls

The SERVICE PROVIDER will provide document management services for work under Task Order 2 as described for Section 1.4 under Task Order 1.

2.5 Engineering Task Management

An Engineering Task Manager will coordinate with the Project Management team and other discipline Task Leaders as needed throughout the project. Typical responsibilities include the following:

- Provide staff direction for task execution
- Guide project design deliverables and recommendations
- Communicate engineering design progress with the Project Management Team
- Quality control/quality assurance (QC/QA)
- Review discipline progress against schedule, monitor the task budget and report monthly progress

The SERVICE PROVIDER's engineering team responsible to the Engineering Manager includes the following task leads:

- Roadway/Interchange/Phasing Concepts
- Drainage/Storm Water
- Structures
- Surveys, Right of Way, Utilities
- Traffic Engineering
- Geotechnical

2.6 Alternative Analysis Report

The SERVICE PROVIDER will prepare an Alternative Analysis Report to document revisions made to the project option(s) under evaluation. The Alternative Report will provide documentation of actions taken, decisions made, and information obtained during the 15% Design phase. A draft and final report will be prepared and submitted in accordance with the current version of NDOT's Road Design Guide.

The final report will describe changes from the Feasibility Study alternatives, discuss pros and cons, present the traffic analysis results, environmental impacts results, and select the Preferred Alternative (Alternative) configuration.

Assumption: Revisions to the alternative concepts will not alter the basic layout, configuration, or bridge crossing point locations from the interchange alternatives presented in the Feasibility Study completed by the City of Henderson.

2.6.1 Roadway

Design Criteria Memo

A Design Criteria Memorandum will be prepared to document the criteria used during the Feasibility Study, revising the criteria as appropriate to conform to the current NDOT Road Design Guide. This Memo will be submitted to acceptance prior to developing revisions to the geometries and will include the following content:

- Introduction/Background
- Guidelines and Standards
- Geometric Design Criteria
 - Design Speed
 - Lane width
 - Shoulder width
 - Horizontal Alignment
 - Vertical Alignment
 - Vertical Clearance
 - Horizontal Clearance

Alternative Refinement

The Alternatives will be refined based on revisions to the existing right of way, roadway alignment revisions, survey, and environmental data. Development will be coordinated with the traffic analyses to identify changes in traffic needs along each alignment. For coordination of the design, PDF plots of each will be prepared for the DEPARTMENT and the design team's information. These will be distributed on an as needed basis in support of design meetings and include relevant information for cross discipline coordination.

Alternative refinement will incorporate the following:

- Freeway:
 - Mainline widening and realignment

- Service interchanges and ramps
- Ramp braiding concepts
- Collector distributor ramp impacts (if applicable)
- Major cross streets at Interchange locations
- Intersections and channelization
 - Widening and realignment of the streets
- Other cross streets and local roads
 - Reconnecting, maintaining or realigning the streets
- Right of way footprint

Information developed at the 15% level will include the following:

- Horizontal centerline control data for each alignment
- Lane and shoulder lines and widths
- Preliminary cut and fill limits for the roadway prisms only
- Preliminary right of way requirements
- Preliminary barrier and retaining wall locations
- Preliminary bridge footprints
- Vertical existing ground, alignment and control information for each alignment
- Super elevation diagram for each alignment
- Preliminary lighting requirements
- Preliminary Guide Sign plan

The 15% Alternative design information will be prepared on roll plots at a scale consistent with public meeting exhibits. Only key profiles will be prepared for exhibits. Plan documents will not be prepared.

The Alternative will be developed in sufficient detail for this level of analysis and to provide the information necessary to support the traffic analyses and environmental studies detailed in other sections of the scope.

Alternative Evaluation

The alternative evaluation work will entail:

- Identification of the criteria and qualitative/quantitative measures
- Development of supporting alternative information to aid in the evaluation
- Evaluation and ranking of the Alternatives and documenting the results
- Identification of the alternative to be carried forward as the preferred alternative.

Alternative Analysis Report

The purpose of the report is to document the development, evaluation, and results that identify a Preferred Alternative. It is intended to document the following:

- Background information
- Existing project conditions
- Design Criteria used
- Evaluation process and results
- Advanced traffic management systems
- Traffic considerations
- Environmental considerations
- Right of way and Utility considerations
- Cost Considerations
- Alternative to carry forward

The draft report will be prepared and submitted for review and comment. Comments will be incorporated, and the report will be submitted as final.

The SERVICE PROVIDER team will prepare a presentation for the DEPARTMENT, FHWA, and other agencies as appropriate when the draft exhibits and evaluation has been completed. At that time, comments will be received. Revisions will be incorporated into the final report.

Assumptions:

- Meetings and coordination necessary to complete the Alternative Analysis Report tasks are included. A total of 18 internal coordination meetings are anticipated
- Overall PDF concept plots for cross discipline coordination are for information only and not considered deliverables.
- Plan and report documents will be provided in the appropriate scales in PDF format. DGN files will be available upon request

Deliverables:

- PDF copy of the Draft and Final Design Criteria Memo
- PDF copy of 15% Preliminary alternative exhibits
- PDF copy of Draft and Final Alternative Analysis Report

2.6.2 Structures

The SERVICE PROVIDER will develop preliminary layouts for new and widened bridges. Preliminary structures layouts will help solidify development of interchange geometries and establish structure limits for cost comparisons. For proposed new bridges, the SERVICE PROVIDER will develop span configurations and expected superstructure depth to assist in refining interchange geometry (roadway alignments and profiles) and in establishing the overall footprint for each alternative.

The SERVICE PROVIDER will review bridge and retaining wall record drawings and inspection reports and prepare a summary of the feasibility of modifying existing bridges if possible, for the respective concept. The SERVICE PROVIDER will coordinate with NDOT Structures Division in assessing whether seismic retrofit measures are warranted. The summary of new structures and proposed modifications of existing structures will be included in the Alternative Report.

Deliverables:

- Concept level bridge configurations (MicroStation .DGN files)
- Feasibility of modifying existing bridges/walls (included in PDF copy of Preliminary Alternatives Report)

2.7 Alternative Construction Estimates

The purpose of this task is to prepare a reasonably reliable and accurate construction cost estimate for comparative refinements of components of the alternative/s as part of the NEPA phase of the project. It is understood that the accuracy of the estimates will be commensurate with the detail of the design developed at the time of the estimate. Initial concept estimates will be order of magnitude for comparative purposes only and should in no case be used for programming purposes. The previous work performed on the Henderson Interchange Feasibility Study will be reviewed and incorporated into the overall cost estimates for the project concepts.

Preferred Alternative Estimate(s)

Independent concepts comprising the Preferred Alternative will be estimated per project component in order to provide comparative/additive/subtractive estimates for project phasing. These concepts will not be estimated by phase, rather, the estimates will be used to aid in the determination of project phasing. The estimates will be completed using the NDOT Wizard estimating tool and have an accuracy consistent with the level of design detail developed at the time. The preliminary concept estimates are considered a Class 4 estimate as defined by the American Association of Cost Engineering (AACE). It is considered accurate to +30% to -20%, based upon a 30% design deliverable.

2.8 Traffic Modeling and Operations Analysis

2.8.1 Previous Traffic Safety and Operational Analysis Assessment – Data Collection

The SERVICE PROVIDER will make use of data collected for the prior Feasibility Study and no additional data collection will be performed for this project.

2.8.2 Traffic Forecasting

The anticipated opening year of the project (when traffic is expected to use the new facility resulting from this project) is the year 2020, and the design horizon year is the year 2040. Traffic forecasts will be taken from the prior Feasibility Study and no additional traffic forecasts will be developed for this project.

2.8.3 Model Calibration – Year 2017 Existing Conditions model

The SERVICE PROVIDER will use the calibrated model available from the Henderson Interchange Feasibility Study as the basis of the traffic modeling and operational analysis. This model is calibrated to the freeway operating conditions in the year 2017 and can be used as-is for reporting freeway operations in the year 2017 and no additional model calibration will be performed for this project.

2.8.4 Traffic Operational Analysis

The SERVICE PROVIDER will coordinate with the DEPARTMENT's Traffic Operations Division on the Methodology before beginning the modeling process. This coordination will address the assumptions and proposed methodology to be used in completing the operations analysis using the Aimsun Next model to provide project Opening Year analysis and results. Additionally, this Traffic Operations Methodology coordination will confirm the Measures of Effectiveness (MOEs) to evaluate the improvement alternatives. It is assumed that the Build Alternatives previously developed in the Feasibility Study will be used for the Design Year 2040 analysis work, with minor refinements resulting from the value analysis/engineering.

The SERVICE PROVIDER will utilize the Aimsun Next model developed by the Henderson Interchange Feasibility Study as the basis for developing the opening year and 2040 traffic models. Up to two Build Alternatives corresponding to the two Build Options from the Feasibility Study will be modeled for the year 2040 and analyzed to a microsimulation level in the Aimsun Next model. It is anticipated that these two Build Alternatives will be refined and have minor changes (following value engineering) before they are modeled. The operations of these two Alternatives will be evaluated at a subarea-level to identify the most effective Alternative (in coordination with the DEPARTMENT) that will be considered as the Preferred Build Alternative. Minor tweaks to the traffic signal timings for the intersections within the subarea for both the No-Action Alternative and the Build Alternatives will be made in Aimsun Next.

Aimsun Next modeling Scenarios: The following scenarios will be modeled in Aimsun Next:

1. Future year (Opening Year and 2040) No-Action Alternative AM and PM peak period models. The work for the Opening Year model includes developing the OD matrices for the Opening Year. This will be achieved by interpolating between the year 2017 and year 2040 OD matrices available in the Aimsun Next model from the Feasibility Study. The work for the No-Action Alternative model includes incorporating geometric changes, the model calibration parameters, and then operating the model to extract results. The No-Action Alternative for the year 2040 is assumed to be the same as that previously developed in the Feasibility Study. However, minor changes may be necessary to ensure that the 2040 No-Action model (and associated results) continue to be comparable to the 2040 Build Alternatives.
2. Future year (Opening Year and 2040) Build Alternative AM and PM peak period models. One alternative for the Opening year and up to two Alternatives for the Design Year 2040 will be modeled and is assumed to be the two Options from the Feasibility Study with minor changes recommended through the Value Engineering Study process.

Opening year scenarios (No-Action and Build) are the only new scenarios that will be developed in Aimsun Next. However, all the future year scenarios (No-Action and Build Alternatives) will be operated after refinements are made to the design/model – so that the extracted model results reflect the proposed (refined) design and all results are comparable to each other reflecting updates (including software build version). Traffic results and data are inputs to traffic dependent environmental resource studies and the intent is for the traffic model to match the geometry/design for evaluation under NEPA. A summary of the work under this section is as follows:

1. Develop Opening Year OD matrices
2. Develop/setup Opening Year and 2040 networks in Aimsun Next incorporating the minor changes anticipated through the Value Engineering Analysis.
3. Develop signal timings for the Opening Year and refine/optimize the signal timings for the year 2040 following geometry refinement.

4. Operate the model for the Opening Year (No-action and one Build model) and the year 2040 (No-Action and up to 2 Build models).
5. Extract results from the model consistent with the completed methodology coordination (previous sub-task).

In general, the Aimsun Next modeling will be consistent with the procedures and methodologies used in the Henderson Interchange Feasibility Study and the current version on NDOT's Microsimulation Guidelines. The results of the evaluation will be extracted from the Aimsun Next model, summarized, and be available to the project team for use in the Alternatives Analysis process.

Assumption:

- The Build Alternatives to be modeled/evaluated will be refinements to the two Options that resulted from the Feasibility Study.

Deliverables:

- Future conditions (No-Action and one Build Alternative for the Opening Year, and No-Action and up to two Build Alternatives for the year 2040) Aimsun Next models (AM and PM peak periods)
- Results of the Future Conditions (the Opening year and 2040) Aimsun Next analysis

2.8.5 Traffic Analysis Report

The SERVICE PROVIDER will document the approach, assumptions, and findings of traffic operations analysis. The format will allow for information to be transferred to support the environmental documentation. A draft report will be prepared and finalized after one round of review.

Additionally, data and information will be developed and provided to the environmental technical teams (e.g., air quality and noise) to support their studies.

Assumption:

- The SERVICE PROVIDER will use the Aimsun Next model output for the no-action alternative and the build alternative(s) to determine the anticipated traffic conditions at the opening year and the design year.

Deliverables:

- Draft Traffic Analysis Report
- Final Traffic Analysis Report

Task Order 3 – NEPA Compliance

The SERVICE PROVIDER will complete the National Environmental Policy Act (NEPA) process through to a decision document. The following task areas are included:

- Project management
- Completion of environmental surveys, technical studies, and related documentation
- Project scoping
- Public and stakeholder outreach and coordination per NEPA requirements

This scope of services is based on the following assumptions:

- Federal Highway Administration (FHWA) is the NEPA lead agency, in collaboration with the DEPARTMENT as the project proponent
- Environmental Assessment (EA) class of action
- NDOT project development and submittal processes
- The draft and final NEPA products will be concise, graphic intense and user-friendly documents

3.1 Project Management

The SERVICE PROVIDER will provide project management services for work under Task Order 3 as described for Section 1.1 under Task Order 1.

3.2 Project Controls

The SERVICE PROVIDER will provide project controls services for work under Task Order 3 as described for Section 1.2 under Task Order 1.

3.3 Quality

The SERVICE PROVIDER will provide Quality Control and Quality Assurance services for work under Task Order 3 as described for Section 1.3 under Task Order 1.

3.4 Document Controls

The SERVICE PROVIDER will provide document management services for work under Task Order 3 as described for Section 1.4 under Task Order 1.

3.5 Environmental Project Management and Coordination

The SERVICE PROVIDER will perform ongoing maintenance of the project files and the Administrative Record. This includes electronic copies of major project correspondence and deliverables. Copies of major correspondence and project records received by The SERVICE PROVIDER will be compiled for the DEPARTMENT as part of the record.

Project Team Meetings: The SERVICE PROVIDER's Environmental Manager and subconsultant task leads, as needed, will participate in ongoing one-on-one and team meetings, including three (3) in-person meetings and the remainder via teleconference. The meetings will focus on, and document the status of, the following:

- Progress reporting
- Deliverables schedule
- Risk management
- Critical issues/resolutions

The Environmental Manager will provide monthly updates for incorporation in the SERVICE PROVIDER's progress reports to the DEPARTMENT. If critical issues arise between reporting periods, the Environmental Manager will immediately communicate those issues and potential remedial actions to appropriate parties for resolution.

3.6 Public Involvement

Intent-to-Study and Public Notice: The SERVICE PROVIDER's NEPA Team will prepare the draft Intent-to-Study letter for the project's Public Outreach Team and NDOT to distribute during the scoping phase. The SERVICE PROVIDER's NEPA Team will also prepare the draft public/transportation notice for publication in appropriate news media. The SERVICE PROVIDER will also assist the DEPARTMENT in developing the distribution list.

Informational Meetings: The SERVICE PROVIDER's NEPA Team will assist the DEPARTMENT in preparing for and conducting one public informational meeting and one public hearing following Federal and DEPARTMENT policy and procedures, to brief interested individuals, groups and agencies on the project and to receive and take under consideration their comments and suggestions.

Stakeholder and Agency Meetings: Additional NEPA-related meetings with public officials, stakeholder groups, resource agencies, or property owners may be necessary as the project progresses. The SERVICE PROVIDER will prepare for, attend, and document up to 6 meetings, which are assumed to be held in the Las Vegas area. The DEPARTMENT will attend meetings with stakeholders and resource agencies.

Develop Public Outreach Materials: The SERVICE PROVIDER, in conjunction with the DEPARTMENT, will develop collateral materials for public meetings and for distribution as the project progresses. The SERVICE PROVIDER will assist in developing these materials in English, and if needed in Spanish, including handouts describing the project, purpose and need, the alternative(s) considered (including potential applicable refinements), and resources of concern; comment forms; and project flyer / newsletter. The SERVICE PROVIDER, working closely with the DEPARTMENT'S environmental staff, will prepare PowerPoint presentations for public meetings, stakeholder presentations, and DEPARTMENT updates in addition to the attendance at public meetings as covered in Section 4.9.

3.7 Public Outreach Plan

The SERVICE PROVIDER will author and keep up to date an overall outreach plan for the project covering the intended outreach modes, meetings, and approach to maintaining the project's required public involvement and information aspects. The plan will be submitted to the DEPARTMENT'S Public Hearings officer, NDOT Environmental and PIO for review and acceptance.

Upon acceptance, the SERVICE PROVIDER will maintain and update the plan as applicable throughout the project duration.

Upon completion of the project outreach aspects, the SERVICE PROVIDER will compile the full history of public outreach activities, including planned meeting materials, stakeholder meeting notes, address lists, mailers, attendance records, public comment, etc. and assemble a project public outreach summary.

3.8 Public Meeting/Hearing

The SERVICE PROVIDER will plan, advertise, secure the venue, provide support staff, and write a post-meeting report for the project public meeting/hearing.

Planning for the meeting will include ongoing updates, as well as the pre-public meeting organizational meeting, intended to review progress on the meeting materials, venue, mail notifications, advertisements and logistics. The planning process for the public meeting/hearing will begin approximately 10 weeks prior to each meeting.

The SERVICE PROVIDER, in support of the public meeting and hearing, will design and prepare mailers, Intent to Study Letters (ITS), and public notices to be sent out at a minimum ¼ mile radius from planned project improvements to addresses within the proposed project areas. Public notices will be published in multiple newspapers to be identified in consultation with the DEPARTMENT. The ITS letter is to be mailed and public notice is to be posted no later than 15 days prior to any public hearing or public information meeting. The mailers will be sent to both the property owner and the tenant at the property within the proposed project areas.

The SERVICE PROVIDER will be responsible for designing, scheduling and paying for required newspaper publications and media advertising for the project public meeting/hearing, as well as assisting the DEPARTMENT's public hearings officer and the public information office to disseminate meeting and project information to the media and the public. The SERVICE PROVIDER will also place meeting notices in area businesses and will disseminate meeting information to stakeholder groups as approved by the DEPARTMENT.

The SERVICE PROVIDER will secure the meeting venue, secure the necessary presentation equipment (Screen, projector, audio system, etc.), seating for attendees, display mounts, and light refreshments (coffee, water, cookies).

The SERVICE PROVIDER will provide four qualified professional support staff including a stenographer, translator, sign-in table attendant and refreshments table attendant who will also be responsible for set up and break down of the meeting room.

Two meetings required for the NEPA project phases will be held in the Project vicinity. The anticipated meetings are listed below.

- Public Information Meeting Spring or Summer '20
- Public Hearing Summer or Fall '21

3.9 Stakeholder Outreach

The SERVICE PROVIDER will proactively engage the public to set up stakeholder outreach meetings. These meetings will include business owners, community organizations, public officials, agency officials, labor organizations, chambers of commerce, schools, first responders and other affected members of the community. In addition to these, the SERVICE PROVIDER will respond to requests for meetings made through other venues such as public meeting comments or the project website.

The SERVICE PROVIDER will organize the meeting in coordination with the Project Manager, manage and supply meeting graphics, and document the meeting within 5 business days for the administrative record. Additionally, the SERVICE PROVIDER will prepare written comment responses when required within 10 business days.

The SERVICE PROVIDER will proactively develop and maintain an outreach contact list for mailing and emailing project stakeholders. The list will be reviewed and updated monthly at a minimum. It will contain mailing addresses as well as email addresses where provided.

The SERVICE PROVIDER will use the outreach contact list to deliver e-blasts (mass distribution email) for keeping the public informed on a regular basis on the project's progress and informing of upcoming events. These messages will be no less than quarterly throughout the term of performance.

The SERVICE PROVIDER, in support of the public information meeting and public hearing, will design and prepare direct mailers. Mass mailings will be sent to addresses within a minimum of ¼ mile radius of the planned project improvements. The mailers will be sent to both the property owner and the tenant at the property to notify them of the events in a timely manner.

3.9.1 General Stakeholder Meeting Materials and Exhibits

The SERVICE PROVIDER will prepare meeting materials for each stakeholder meeting tailored to the issues important to the individual group or partnering agency. These are anticipated to be 11x17 plan view type graphics that "zoom" in on the stakeholder area and topic of interest. The detail of the exhibit will represent project development to date and no additional engineering would be necessary for the graphics. 6 meetings are assumed for this activity. See section 4.7 for the SERVICE PROVIDER's NEPA Team's expected involvement in stakeholder meetings.

3.9.2 Public Meeting/Hearing Displays

Displays will be prepared for the public information meetings and the public hearing. The displays are assumed to be scaled to 36x48 plots mounted on foam core boards. Displays will be primarily plan view in nature. A maximum of ten displays will be prepared for each Meeting.

3.9.3 Presentations

PowerPoint style presentations will be prepared for every stakeholder meeting tailored to the individual group or partnering agency. Graphics for the presentations will be prepared and presentations will primarily be updated versions of prior presentations. The presentations will

most often be printed 8.5x11 versions distributed as handouts in the meetings. The presentations will average 10-15 slides.

3.9.4 Visualizations

The SERVICE PROVIDER will provide an interactive 3D model in support of the Public Outreach program.

3.9.4.1 EA Renderings

As described under 4.4.2 NEPA Analysis-Visual Conditions, the SERVICE PROVIDER will create renderings (3D model) to show specific project details at specific locations in the project limits. The renderings will be accurate to the level of detail developed in the 3D model. The scope and scale of the rendering will affect the detail presented.

3.9.4.2 Public Outreach Support

The SERVICE PROVIDER will provide technical support to the Public Outreach Program. Technical support includes preparation of materials for the public meeting/hearing, and attendance (via GoToMeeting or phone conference) at up to two preparation meetings to discuss logistics.

3.9.5 Media Outreach

The SERVICE PROVIDER will support the DEPARTMENT Public Information Office on the project by supplying supporting narrative, fact checking, graphics, maps, schedules, and photos throughout the NEPA process.

3.9.6 Internet Media

The SERVICE PROVIDERS will continue to maintain the project website URL name and redirect, with the DEPARTMENT hosting the project website for the duration of this contract. The site will be updated based on availability and relevance of new or changed project information and prior to and after public the public meeting/hearing. Updates may include revised text, graphs, photos, meeting announcements and materials, and other updates deemed appropriate and necessary by the DEPARTMENT. The site will have the capability to be the primary on-line source for collecting comments from the public.

The SERVICE PROVIDER will support the DEPARTMENT's Social Media outreach effort by supplying supporting narrative, fact checking, graphics, and schedules throughout the project.

Assumptions

- DEPARTMENT will provide division experts for consultation at the public meetings.
- DEPARTMENT will be invited to attend stakeholder meetings but may choose to not participate.
- DEPARTMENT will provide web hosting and perform updates to the website containing publicly available materials.

Deliverables

- Public Outreach Plan
- Public Meeting materials as described above
- Project website development and information management

- Public Outreach Summary

3.10 Aerial Mapping (Not Included)

The SERVICE PROVIDER will utilize the Aerial Mapping and aerial photography that was developed and used for the Henderson Interchange Feasibility Study.

3.11 Right of Way Exhibits (Not Included)

3.11.1 ROW Engineering

The SERVICE PROVIDER will prepare Right of Way exhibits and information for parcels impacted by the Preferred Alternative.

The SERVICE PROVIDER will provide ROW expertise to assess the potential property impacts costs of the Preferred Alternative. The expert will obtain and review applicable Title reports for parcels impacted by the Preferred Alternative. The review will consist of noting information the Acquisition Agent will need to know about the property, an access impact analysis, a preliminary ROW cost estimate, and recommendation of parcels for acquisition, as well as attaching a map of the legal description in each document. An easement map will be created providing an overall view of easements affecting the property for a future appraisal process.

Deliverables

- Initial exhibits for parcels impacted by the Preferred Alternative, including right-of-way left and right, temporary easements, and total calculated impact acreage.

3.11.2 ROW Acquisition

Acquisition Services are not included in this scope of work. The DEPARTMENT may choose to include these services at a later date via the provisions of Task 5.

3.12 NEPA Process

3.12.1 NEPA Traffic Safety Analysis

The SERVICE PROVIDER will perform a crash analysis of NDOT historical crash data for the most recent available three years for various functional classifications. The SERVICE PROVIDER will review prior Roadway Safety Analyses conducted by the DEPARTMENT for roadways within the project area and include the findings as appropriate in the Crash Data Analysis Report. A Critical Crash Rate (CCR) analysis will be performed for the project area. The SERVICE PROVIDER will conduct a safety assessment using the Crash Reduction Factor (CRF)/Crash Modification Factor (CMF) for up to two proposed Build alternatives. The safety analysis findings will be included in the Environmental Assessment (EA) document.

Deliverables:

- PDF Draft Crash Data Analysis Report
- PDF Final Crash Data Analysis Report

3.12.2 NEPA Coordination

This task encompasses ongoing environmental coordination and management effort necessary to complete the NEPA process. To complete the NEPA process on schedule, the SERVICE PROVIDER will use the following procedures:

- Coordinate regularly and communicate clearly with the DEPARTMENT, FHWA, and cooperating agencies
- Work closely with regulatory agencies to understand the expectations of key reviewers from agencies such as the State Historic Preservation Office, U.S. Army Corps of Engineers, and others
- Use subject matter experts who have appropriate credentials for the task, experience in the study area, and thorough knowledge about NEPA and associated regulations as applied to highway transportation projects
- Understanding the importance of thorough documentation that will minimize agency and public comments, support the administrative record, and reduce the risk for legal challenges, and using periodic peer reviews to validate the documentation is complete and compliant throughout the process. A legal sufficiency review, if necessary, would be performed under Task 4, Other Activities
- Incorporating FHWA's Improving Quality Environmental Documentation principals in the EA document format and content
- Using a technical editor, GIS analysts, and graphic artists to support the documentation

NEPA Coordination Meetings: Various NEPA coordination meetings (up to 9) will be necessary as the project progresses, such as meetings with the DEPARTMENT's environmental staff and stakeholders/resource agencies. The SERVICE PROVIDER will prepare and distribute agendas and meeting minutes.

NDOT / FHWA Update Meetings: The SERVICE PROVIDER will participate in meetings with the DEPARTMENT's environmental management staff and FHWA (see NEPA Coordination Meetings) at key milestones to discuss project issues and status. Up to 4 meetings (1 in-person and 3 teleconferences) will occur through publication of the EA.

3.12.3 NEPA Analysis

This task consists of the alternative development and environmental resources and specialty areas that must be analyzed, coordinated with respective stakeholders and resource agencies, documented, and, in some cases, mitigated. The following table summarizes the environmental factors assumed for analysis and the level of documentation. Up to three alternatives, including no action/no build will be analyzed. Following the 2019 *Henderson Interchange Feasibility Study* PEL Checklist, the anticipated resources that occur in the project area and have the potential to be affected will be analyzed using best available data appropriate to the scope of the resource in context with the project. The DEPARTMENT's involvement, unless otherwise noted, will be in a review and critique capacity.

NEPA Analysis Task Item	Documentation	Field Analysis and Tech Rpts ¹	Agency/Stakeholder Coordination
Air Quality	x	X	x
Traffic	x		
Biological Resources and Threatened & Endangered/Sensitive Species	x		
Noise Analysis ³	x		
Wetlands / Riparian Zones	x		
Energy Resources and Minerals	x		
Floodplains and Water Resources / Quality	x		x
Environmental Site Assessment & Recognized Environmental Conditions	x	X	x
Land Use	x		x
Cultural Resources/Section 106 ¹	x	X	x
Native American Religious Concerns	x		x
Section 4(f) ² /Section 6(f)	x	X	x
Social and Economic Conditions, including Environmental Justice	x		x
Visual Resources	x		x

¹ It is assumed the "indirect" APE will be defined to include the viewshed of the project, defined as up to three parcels past the limits of the project improvements and not to exceed ¼-mile from project improvements.

² Either an individual Section 4(f) evaluation or a de minimis-level analysis, depending on the degree of resource impact/impairment.

³ To be performed by the DEPARTMENT.

Data Collection, Field Investigation and Analysis

Data will be collected for the resources and specialty areas listed in the above table. Information will be gathered through field surveys, personal interviews, library and archival research, on-site modeling and sampling, and by contacting resource agencies and data repositories. The areas of social, economic, and environmental interests will be studied to identify issues of concern within the study area. The data collected and analysis will include:

- Air Quality. An air quality analysis will be performed for the project based upon the requirements of National Environmental Policy Act (NEPA), the conformity provisions of the Clean Air Act Amendments (CAAA), and other state and federal environmental

requirements. An air quality technical report will be prepared, and the analysis will be summarized into the air quality section of the environmental document. The SERVICE PROVIDER will address one round of comments from the DEPARTMENT on the draft technical report before finalizing it and incorporating into the environmental document.

The project is subject to transportation conformity requirements. Regional conformity of the project will be demonstrated by the DEPARTMENT, with RTCSNV coordination, to include the project in the latest conforming regional transportation plan (RTP) and the federal transportation improvement program (FTIP). Project level conformity will be evaluated through the hot spot analysis for nonattainment or maintenance pollutants, including carbon monoxide (CO) and particulate matter with aerodynamic diameter equal to or less than 10 micrometers (PM10) for the project area.

A quantitative CO hot spot modeling will be performed for the affected intersections in the project area following EPA CO modeling guidance. Up to four (4) intersections will be modeled for the project including existing condition, No Build, and up to two build alternatives for the horizon year to demonstrate compliance with the national ambient air quality standards (NAAQS). It is assumed that the project information and traffic information used for the CO hot spot modeling would not change once the air quality analysis starts.

Potential PM10 hot spots will be evaluated following the USEPA/FHWA's Transportation Conformity Guidance for Quantitative Hot-Spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas (November 2015). Detailed project-specific traffic data are not yet available. For contract scoping purposes it is assumed that the project would not have a significant increase in diesel traffic; therefore, it will not be a Project of Air Quality Concern (POAQC). The SERVICE PROVIDER will provide necessary documentation needed for the interagency consultation to obtain concurrence on the determination.

A mobile source air toxics (MSAT) analysis will be performed for the project following FHWA's 2016 Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents. It is assumed that the project would have a low potential of MSAT effects and, therefore, a quantitative analysis of MSAT impacts is not required.

Short-term air quality impacts from project construction would be evaluated qualitatively based on the construction duration, construction activities, and the implementation of emission minimization and reduction measures.

Evaluation of the GHG impacts will follow the applicable guidance of FHWA and the DEPARTMENT.

Once the impacts of the project construction and operation are determined, mitigation measures for identified significant impacts (if any) will be investigated.

A technical report will be prepared for this analysis. The SERVICE PROVIDER will address one-round of comments from NDOT.

The SERVICE PROVIDER will revise the technical report based on public review comments. It is assumed that re-modeling or additional quantitative analysis would not be needed to address the comments.

- Environmental Site Assessment. A Phase I Environmental Site Assessment (ESA) will be conducted for the project limits in accordance with current ASTM Standard Practice.
- Energy Resources and Minerals. Document existing energy resources in the study area and assess the project's energy use during construction and operation.
- Floodplains and Water Resources. Identify surface waters or FEMA-regulated floodplains in the study area. Utilize the project drainage/hydrology report to determine potential water quality, storm water, and permitting (USACOE) issues for affected waters of the US.
- Land Use. Collect existing, planned, and future land use and zoning information from the City of Henderson and Clark County. Collect information on pending development and related land use changes, in coordination with local planners. Describe generalized existing and future land use.
- Cultural Resources. The SERVICE PROVIDER will complete a cultural resources impact analysis as part of DEPARTMENT and FHWA's Section 106 of the National Historic Preservation Act (Section 106) compliance requirements for the project. The cultural resources analysis will consist of an archaeological and architectural history assessment of the project's area of potential effects (APE) and the SERVICE PROVIDER will provide support to DEPARTMENT and FHWA's tribal and interested party coordination and consultation efforts, required as part of Section 106 and NEPA. Information from the completed cultural resources impact analysis will be used to complete the EA/FONSI for the project.
 - The cultural resources impact analysis will be completed in accordance with the Programmatic Agreement Among the FHWA, NDOT, Nevada State Historic Preservation Officer, and the Advisory Council on Historic Preservation Regarding Implementation of Federal-Aid Transportation Projects in the State of Nevada (Nevada PA) and will primarily consist of the following tasks:
 - APE Delineation
 - Background Research
 - Field Surveys
 - Technical Studies
 - Native American and Interested Party Outreach
 - Following receipt of the project plans, the SERVICE PROVIDER will have a kick-off meeting via teleconference with DEPARTMENT cultural staff to review project methodologies and then will provide a preliminary APE map and shapefiles for NDOT's review and approval. The APE will include the full parcel boundaries for any property located wholly or partially within the project footprint, as well as staging areas, access roads (if unpaved), utility relocations, temporary road closure areas, and other ancillary project construction features as provided by the design team. These areas will comprise the direct APE. To consider the project's visual or atmospheric effects, an indirect APE will also be delineated to include up to three parcels past the limits of the project improvements.

- Following approval of the APE by NDOT, a screening form describing the project and the APE boundaries, along with copies of the APE maps, will be sent by DEPARTMENT to the SHPO for review and comment. The screening form serves as the Section 106 initiation letter. SHPO will complete one review cycle of the letter and APE.
- Background research to identify the overall cultural resources sensitivity of the APE and the presence of previously recorded cultural resources within a quarter-mile ($\frac{1}{4}$ mile) radius of the APE will be completed by the SERVICE PROVIDER through a review of the Nevada Cultural Resources Information System, information available through the Clark County, and data available through DEPARTMENT. Supplemental research will also be completed through online and archival sources, in order to develop an evaluative historic context for cultural resources within the APE. It is expected no more than 10 previously recorded cultural resources exist within the records search area, and two of those are located within the APE.
- Archaeological and architectural history field surveys will be completed by the SERVICE PROVIDER to further identify cultural resources in the APE under the direction of professionals who meet the Secretary of Interior's professional qualification standards. Archaeological surveys will be completed within undeveloped or undisturbed parcels within the direct APE. Architectural history surveys will be completed for properties within the direct or indirect APE that were constructed prior to 1975. Properties that have had sufficient evaluations within the past 5 years or are currently listed or determined eligible for listing in the National Register of Historic Places (NRHP) will not require survey or re-evaluation, unless significant alterations have occurred that would impact its previous determination. Resources that are surveyed will be recorded and evaluated for NRHP eligibility through the appropriate IMAC or ARA form. No more than four cultural resources will be evaluated for eligibility to the NRHP.
- The results of the surveys and background research will be summarized by the SERVICE PROVIDER in separate technical studies for archaeological and architectural history. Appended to the studies will be copies of APE maps and the appropriate IMAC or ARA forms. A finding of effect analysis report will also be completed for cultural resources that are listed in the NRHP or determined eligible for listing (assumed to be no more than two); however, the project is expected to have a no historic properties affected or no adverse effect determination for cultural resources in the APE. The DEPARTMENT will complete up to one review cycle of the draft technical studies, and SHPO will complete one review cycle.
- The DEPARTMENT will complete Native American and interested party outreach and consultation as part of the project. As part of this, the SERVICE PROVIDER may provide relevant project information to support this, limited to shapefiles, survey results, and project description information.
- Following receipt of concurrence on the project findings by the SHPO, the SERVICE PROVIDER will complete the cultural resources section of the EA/FONSI to document the NEPA and Section 106 analysis.

As part of the work, up to one in-person meeting will be completed with DEPARTMENT staff and up to five teleconferences with DEPARTMENT, FHWA, and/or SHPO.

Preparation of an agreement document (MOA) or provision of mitigation services, if required, will be addressed by an Amendment to the Agreement.

- Social and Economic Conditions, including Environmental Justice. Data will be obtained from the US Census Bureau and American Community Survey. This will be supplemented with the most up to date information from other local sources, including data from Nevada Minority Business Council on minority owned businesses in the study area. If it is found to be necessary to engage the services of an environmental justice advisor for this project, this service would be provided under Task Order 4, Other Activities.
- Visual Resources. Prepare up to five (5) 3D model simulations of proposed project improvements for inclusion in the NEPA document (see Section 4.10.4.1, EA Renderings). Each 3D model simulation will be evaluated for visual impacts relative to the existing condition, following the FHWA guideline for assessing potential impacts according to the views from and to the proposed project.
- Recreation. Identify recreational uses, including public parks, in the study area.
- Cumulative and Indirect Impacts. Data on resources as well as information on past, present, reasonably foreseeable future projects will be collected and assessed relative to the proposed project. Growth in population and employment will be assessed using census and other available demographic information.

Stand-alone technical reports will be prepared for those study areas identified in the table above (see 3rd column), as directed by the DEPARTMENT's environmental management staff. Two iterations, one draft and one final, of technical reports will be prepared. A comment response matrix will also be prepared to document how/where technical study revisions are made.

3.12.4 Environmental Assessment (EA) & Decision Document (FONSI)

This task encompasses the preparation of the Environmental Assessment (EA) document. The SERVICE PROVIDER will author, edit, and revise the document per direction from the DEPARTMENT, FHWA, and resource agencies. The following iterations of the EA document are included:

1. Administrative Draft – DEPARTMENT review.
2. Preliminary EA – DEPARTMENT and FHWA review.
3. Approved EA – Public review.
4. Revised EA (if required)

The SERVICE PROVIDER will prepare a quality EA that is concise, graphics intense and user-friendly document, consistent with FHWA's Improving Quality Environmental Documentation Initiative. Prior to initiation of the EA, the SERVICE PROVIDER will meet with DEPARTMENT to review sample formats for EA presentation that will be utilized as a go by for the EA. The SERVICE

PROVIDER will respond to and incorporate substantive public and agency comments received during scoping.

Environmental Assessment Preparation

Preparation of the EA will include the following tasks:

- NEPA Scoping. Prepare up to 3 agency-specific cooperating agency letters to resource agencies. Project limits will be established by the DEPARTMENT and FHWA guidelines and by 23CFR771.111(f).
- Prepare Purpose and Need. The purpose and need will utilize existing demographic, traffic, and economic data to support the need for improved operations, safety, capacity, and local access.
- Based on the refined build alternatives from the 2019 *Henderson Interchange Feasibility Study*, prepare the Description of Alternatives, including:
 - Process used, including benefit cost analysis for preferred alternative.
 - Evaluation criteria.
 - Alternatives considered but not advanced.
 - Alternatives to be evaluated in the EA.
- Document Resources Not Affected. Prepare rationale/justification for not including in the EA specific resources/environmental factors that will not be affected. This rationale will be included in the EA and a technical memorandum prepared for the DEPARTMENT/FHWA review prior to preparation of the EA.
- Compile information collected for documentation in the Affected Environment section of Chapter 3 of the EA.
- Analyze impacts and prepare write-ups for the Environmental Consequences section of Chapter 3 of the EA. Impacts will be avoided, minimized or mitigated. This scope assumes up to two build alternatives and a No-Action Alternative will be fully analyzed. Unless dismissed as resources/factors that would not be affected, the following subsections will be included:
 - Air Quality. The analysis will evaluate compliance and project-level conformity with the federal Clean Air Act and Amendments (CAAA) of 1990, Nevada State Implementation Plans (SIP), and applicable state and local regulations. The assessment will consist of interagency consultation, analysis of NDOT-approved traffic data, emissions calculations, evaluation of potential project air quality impacts and mitigation measures, and preparation of a technical report for the potential year of highest emissions, established by the project design year or SIP as applicable for CO and PM₁₀.
 - Noise. The technical noise report is to be provided by the DEPARTMENT.
 - Environmental Site Assessment. Evaluate existing conditions and land use history to identify potential environmental liabilities and to assess the possibility of project-related impacts.
 - Waters of the U.S. Existing conditions and project impacts will be analyzed. If necessary, the SERVICE PROVIDER will describe the type of permitting that may be required (i.e., nationwide or individual) and related mitigation measures. Permit

documentation will not be prepared, permit application(s) will not be filed, and mitigation commitments will not be made as part of this scope of work.

- Energy Resources and Minerals. Analysis of impacts to energy and mineral resources. Assumes no mitigation measures will be required.
- Land Use. Develop assumptions for project related land use changes for the alternatives analyzed in the EA. Assess project consistency with existing and planned land uses. Analyze impacts to existing land use, and consistency of the build alternative with future land use plans. Indirect land use impacts will be discussed for each alternative (build and no-build).
- Cultural Resources. Analysis of impacts and discussion of mitigation for historic and archaeological resources. Coordination with SHPO, as necessary. Historic properties will be identified as eligible for listing on the National Register of Historic Places. It is assumed the properties will be affected by the project and, therefore, a Section 4(f) de minimis evaluation will be completed. Preparation of an agreement document (MOA) or provision of mitigation services, if required, will be addressed by an Amendment to the Agreement. Documents/Deliverables include: Intermountain Antiquities Computer (IMAC) forms, Historic Resources Inventory forms (HRIF),¹ Draft and Final Finding of Effect Reports, consultation letters.
- Social and Economic Conditions. Although it does not appear the project would impact environmental justice communities, the SERVICE PROVIDER will analyze social and economic impacts to surrounding land uses, analyzing both adverse and beneficial social and economic changes. The analysis will be quantitative and qualitative in nature, including analyses such as effects to local tax revenue. No economic modeling is included. Census data will be used as a basis, supplemented with other more recent/relevant data.
- Recreation Resources. Analysis of impacts to recreation resources, including public parks and trails, and identification of mitigation measures.
- Visual. Perform a visual assessment of the proposed roadway improvements to identify locations within the project area where the proposed improvements may create a visual impact to adjacent stakeholder properties that otherwise may not currently exist.
- Cumulative Effects. Assess impacts of a cumulative nature for the project area. The following tasks are included:
 - Collect scoping information on cumulative issues of concern from public and agency scoping, and meetings with special interest groups.
 - Collect information from readily available sources on resources of concern within this project area, determined through NEPA scoping.
 - Collect information on reasonably foreseeable future transportation, land development, water resource, energy or other projects (generally within

¹ Will utilize the 2014 Transportation PA and Handbook for the appropriate forms - <https://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/engineering/environmental-services/cultural-resources>.

the limits of the social/economic study area). Reasonably foreseeable is assumed to be those projects that are programmed (funded in fiscally constrained plans) and those land development projects that are under construction, platted, or in the permitting process. Historical land use will be described generally.

- Assess the impacts of the “baseline” scenario on the resources of concern.
 - Coordination with the DEPARTMENT, FHWA, and other resource agencies as necessary.
- Section 4(f)/Section 6(f). Acacia Park is located south of I-215 and west of I-515. According to the Nevada Division of State Parks, a portion of Acacia Park was developed with Land and Water Conservation Fund monies and is subject to Section 6(f) protection. The trail passes along the north side of Acacia Park in the project area and the build alternative may impact the trail. Depending on the degree of impact, the SERVICE PROVIDER will complete either an individual Section 4(f) evaluation of the regional ped/bike trail use or de minimis documentation, if appropriate.
- The Agency Coordination and Public Involvement chapter will discuss early coordination for the Feasibility Study, agency coordination, stakeholder meetings, and public involvement including the public involvement plan and information meeting summaries.
 - EA Appendices, including the following:
 - Public Information Meeting Summaries
 - SHPO (and other regulatory agency) correspondence
 - NDOT Traffic and Construction Noise Analysis and Abatement Policy
 - Change of Control of Access Report (CCAR) for the build alternative

Responses to public review comments will be prepared for up to 50 substantive comments on the EA. These comments may come from fewer than 50 comment submittals as some comment letters may include multiple substantive comments.

The SERVICE PROVIDER will prepare 10 hard-copies of the EA for the administrative reviews and 10 hard-copies for the published EA. A comment response matrix will be prepared to document how/where EA revisions are made in response to NDOT and FHWA review comments. Hard-copies will include flash-drives containing the EA files. PDF electronic files will be provided to the DEPARTMENT to post to their website.

Decision Document

This task encompasses the preparation of the FHWA decision document. The SERVICE PROVIDER will author, edit, and revise the document per direction from the DEPARTMENT and FHWA. The following iterations of the decision document are included:

1. Administrative Draft – the DEPARTMENT review.

2. Revised Administrative Draft –the DEPARTMENT and FHWA review.
3. Final

The SERVICE PROVIDER will prepare 5 copies of the Decision Document (FONSI) for the administrative reviews and 15 copies for the published FONSI. PDF and Word electronic files will be provided to the DEPARTMENT.

Task Order 4 – Other Activities

All work under this activity must be agreed to and approved in writing by the DEPARTMENT's Project Manager prior to commencing any work. These activities include but are not limited to, project management activities, potholing, detailed structural studies, existing electrical service pedestals, ROW acquisition services, and additional environmental survey.

4.1 Special Services – Not Included in base scope of services

Due to the nature of the study, the desirability and quantity of some service activities cannot be identified or accurately quantified at this time. This task will provide access to those activities on a limited as requested basis.

4.2 PM10 Air Dispersion Modeling

If the project is determined to be a POAQC, a quantitative PM10 air dispersion modeling analysis will be required for the preferred alternative to demonstrate conformity. The SERVICE PROVIDER will provide support during the interagency consultation process, and coordinate with local, state, and federal agencies early in the process of the PM hot spot analysis to verify the appropriate modeling requirements. Although quantitative PM10 conformity modeling is required for the preferred alternative only, the SERVICE PROVIDER will perform the PM10 hot spot modeling for up to two build alternatives to meet the project level conformity requirements as well as the PM hot spot analysis under NEPA. It is assumed that the build alternatives will not cause new violations to the national ambient air quality standards of PM10, therefore, further modeling and comparison of PM10 concentrations at each receptor to No Build alternative would not be needed. The SERVICE PROVIDER will provide the required documentation for the interagency consultation processes for concurrence on the level and methodology of the PM10 hot spot analysis.

4.3 Peer Review

The Henderson Interchange Feasibility Study resulted in two options to be considered for further study and possible Environmental Analysis. The SERVICE PROVIDER will conduct a detailed review of the Henderson Feasibility Study results and will prepare a detailed Pro and Con analysis of the two options including:

- Conduct a peer review of the Henderson Interchange Feasibility Study Option 2 “crossover interchange”. The peer review will include insight by a nationally recognized expert on the crossover type interchange.
- Present the findings of the Pro and Con analysis to decision makers and technical staff in the DEPARTMENT, FHWA and City of Henderson in a GoToMeeting teleconference.

Deliverables

- PDF copy of Henderson Interchange Feasibility Study Option 2 “crossover interchange” peer review report including the Pro and Con analysis

4.4 Cost Risk Assessment

4.4.1 Workshops, Reports and Updates

SERVICE PROVIDER will lead the cost and schedule risk assessment process for the Project, based on the currently envisioned project scope. The risk assessment will utilize a process consistent with the DEPARTMENT's Risk-Based Estimating Guidelines. SERVICE PROVIDER will facilitate the risk identification and quantification process, working collaboratively with cost estimators and other subject-matter experts (SMEs) from the DEPARTMENT, and other team member organizations as necessary. An initial risk assessment is currently envisioned, followed by four subsequent annual updates.

The general process for the risk assessment is outlined below. This general process will be followed for the initial risk assessment. Additional (annual) risk assessment workshops are not included in this scope of services.

1. Pre-Workshop Preparation. Includes review of project materials, advance discussion of project issues and needs, and selection (with the Project Team) of SMEs. The task also includes a formal preparatory session will consist of a roughly half-day meeting with key project staff. The objectives of the preparatory meeting will be to 1) introduce the project team to the risk assessment process, 2) familiarize the risk assessment team with the project and project team, 3) conduct a preliminary review of the cost estimates and schedules, including development of a draft "flowchart" abstraction of the project schedule, 4) finalize list of invitees and agenda for the risk assessment workshop. It is assumed that the preparatory meeting will be held in the Las Vegas area.
2. Risk Assessment (RA) Workshop: During the workshop (also to be held in the Las Vegas area), the SERVICE PROVIDER will work collaboratively with the project team to confirm the "base" project scope, delivery strategy, and key assumptions, and update project flow chart as necessary. The SERVICE PROVIDER will also coordinate with project team and the DEPARTMENT independent cost estimators and other SMEs to establish the "base" cost estimate and quantify "base uncertainties", as appropriate. The SERVICE PROVIDER will lead the identification and review of "risk factors", to include the following: a comprehensive, non-overlapping set of risks and opportunities consistent with the "base" that reflects current project status; facilitate defensible and adequate quantification of risk factors by eliciting subjective assessments from project team and SMEs; and adequately document the assessments in a risk register. Potential risk management (RM) actions may be discussed during the workshop and will be documented in the risk register but will not be formally incorporated into the initial results. It is assumed that up to two project scenarios will be evaluated.
3. RA Modeling: Following the conclusion of the RA workshop and finalization of necessary inputs, the "base" and "risk" factors will be combined within an integrated Monte Carlo simulation model to quantify uncertainty in the project cost and schedule, prior to risk mitigation. Critical risks and opportunities will be prioritized for assistance with subsequent risk management efforts. A summary of key draft results will be provided for project team review.

4. RA Results Presentation: If requested, the draft “unmitigated” results of the RA will be presented to the project team and the DEPARTMENT management. It is assumed that a presentation will be conducted in person in the Las Vegas area.
5. Risk Management (RM) Discussion: If requested, a more in-depth discussion of potential risk management actions that the DEPARTMENT may implement to address major project risks will be conducted. This may be done on conjunction with the result presentation, or by a separate teleconference. For actions that are implemented, the risk assessment inputs will be revised to reflect 1) the cost of implementation, and 2) and changes to risk probability and/or impact following implementation. The risk model will then be updated and “mitigated” results will be provided to the DEPARTMENT.
6. Draft and Final Report: Prepare a draft summary report documenting the analysis and unmitigated/mitigated results, incorporating comments received on the preliminary results. Finalize the written report, incorporating comments received on the draft report.
7. Initial Financial Plan: SERVICE PROVIDER will take the lead role to author the Initial Financial Plan for the project on behalf of the DEPARTMENT for submission to Federal Highways Administration (FHWA) for review and approval. The IFP will be structured based on the FHWA standard IFP template and will reflect the cost and schedule results developed through the CRA. DEPARTMENT staff will provide input to the IFP as needed (e.g., as related to EIS development, financing information, programming papers, etc.) The IFP will be initially submitted by DEPARTMENT to FHWA as a draft. SERVICE PROVIDER will take the lead to address and incorporate FHWA comments into a final document.
8. Additional Support: Provide additional miscellaneous support as needed, which may include up to two informal risk model runs ("what if" analyses), attendance in a Value Engineering workshop, participation in team meetings (by phone), project management tasks, and other activities as needed. Additional risk updates and other support requiring time beyond the hours indicated in the cost estimate are not included.

4.4.2 Right of Way Estimates (not included)

If needed, the SERVICE PROVIDER will prepare cost estimation / value engineering support services as follows:

Prepare mapping exhibits with land unit costs / SF and risk analysis for use in preliminary design alternative preparation within the project limits. No revisions are anticipated as it is assumed this document will be used for planning purposes.

Deliverables

The SERVICE PROVIDER will develop a schedule to receive a FONSI within 18 months from the contract notice-to-proceed. The schedule will include milestones for major tasks and deliverables, including agency review and revision times. The list of deliverables for NEPA compliance is as follows:

- Intent-to-Study letter
- PowerPoint presentation and updates for public information meetings
- Public Notices for public information meetings
- Responses to comments from the public information meetings
- NEPA Technical Documents/Reports (draft and final)²:

² Other technical analyses will be documented directly in the EA.

- Cultural Resources Screening Form and Area of Potential Effects (APE) map
- Air Quality analysis report
- Environmental Site Assessment and Recognized Environmental Conditions
- Cultural Resources/Section 106
- Section 4(f)/Section 6(f)
- NEPA Environmental Assessment
 - Administrative Draft EA
 - Preliminary EA
 - Approved EA for public review
- Public Hearing presentation materials and handout
- Public notice for public hearing
- Responses to comments on the circulated EA
- NEPA Decision Document (FONSI)
 - Administrative Draft
 - Revised Administrative Draft
 - Final
- Schedule and updates (as needed)

4.5 Benefit Cost Analysis

The SERVICE PROVIDER will utilize the benefit-cost analysis (BCA) performed as part of the Henderson Interchange Feasibility Study. The SERVICE PROVIDER will update the Cal-B/C Corridor for the BCA for build alternatives and updated years (2017, 2020 and 2040). The BCA will include the following benefit components: travel time savings, vehicle operating cost savings, safety savings, and emissions reduction. The SERVICE PROVIDER will use the Cal-B/C Corridor spreadsheet from the Henderson Interchange Feasibility Study to update the Corridor analysis, and the relevant data for this subarea. The SERVICE PROVIDER will use the updated Aimsun Next output for alternatives for the BCA.

The CONSULTANT team will calculate safety benefits associated with the project alternative. These benefits will be calculated using information from DEPARTMENT safety statistics, traffic model results, and literature reviews (if necessary) to estimate the change in crash rates and severity.

The SERVICE PROVIDER will utilize parameters such as the value of time and discount rate per federal guidelines and usual economic practices when DEPARTMENT standards are not available. The SERVICE PROVIDER will utilize the estimated capital costs for the alternatives considered. The results of the updated BCA for each alternative will be included in the Benefit-Cost Analysis report.

Deliverables:

- Benefit-Cost Analysis Report (BCA Excel Spreadsheet)

4.6 Change in Control of Access

The SERVICE PROVIDER will prepare a Draft Change of Control of Access Report (CCAR) for the build alternative in conformance with the FHWA's, "Policy on Access to the Interstate System", and changes described in FHWA's May 22, 2017 memorandum on the subject. The Draft CCAR will be prepared consistent with DEPARTMENT guidance and FHWA policy.

The SERVICE PROVIDER will conduct a safety assessment using HSM Part C Predictive method for the 2040 No-Action and Build alternative. The details of the HSM Part C safety analysis will be included in the Traffic Analysis Report or the Environmental Assessment (EA) document. The SERVICE PROVIDER will use the HSM crash prediction model local calibration factors for Nevada. If local calibration factors are not available, the uncalibrated crash prediction (Calibration Factor, C=1.0), will be used to compare the performance of the build alternative to No-Action. Plan preparation will include proposed overhead guide signs as needed to obtain approval of the CCAR.

Upon receipt of comments from the DEPARTMENT and FHWA, the SERVICE PROVIDER will revise the Draft CCAR and prepare a final CCAR for the DEPARTMENT to submit to FHWA.

Deliverables:

- DRAFT CCAR Package
- FINAL CCAR Package

4.7 Construction Staging and Maintenance of Traffic During Construction

Conceptual plans will be developed showing how traffic could be maintained during phased construction of the Preferred Alternative under traffic. Traffic analysis of proposed detours and lane restrictions will be performed based on current-year traffic volumes to determine potential impacts to current-year traffic operations and the local roadway network.

Deliverables

- Conceptual construction staging and maintenance of traffic plans for up to two (2) alternatives,
- Construction Staging Report documenting traffic operation and local roadway network impacts during phased construction for up to two (2) alternatives.

4.8 Environmental Justice Support

The SERVICE PROVIDER will provide an environmental justice advisor to review NEPA documentation pertaining to environmental justice upon request by the DEPARTMENT.

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:

Street Address:	Website:
City, State and Zip Code:	Point of Contact Name:
Telephone and Fax No.	Email:

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

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

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

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

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 2

539-19-040

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

x Initial Budget Request Request for Amendment #: Agreement #:

If Amendment, name of Company:

Project ID #(s): Varies

Type of Services: Engineering Services

DS
SF

Originated by: Tonia Andree Division: Construction Date Originated: 10/31/2019

DS
ML

Division Head/District Engineer: Sharon Foerschler

Budget Category #: 06 Object #: 814B Organization #: C040

Type of Funding: State % of Fund: 100 State Fiscal Year(s): FY 20, 21, 22

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$3,491,032.41

Funding Notes: \$528,401.16 in FY 2020, \$1,768,595.74 in FY 2021, \$1,194,035.51 in FY 2022

Financial Management:

DocuSigned by:
Donna Spelts 11/04/2019
6ABCF3985622490...
Signature Date

x 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:
Kathleen Meke 11/04/2019
9E9E10973C1B46E...
Signature Date

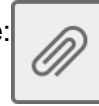
Director:

DocuSigned by:
Kristina L. Swallow 11/04/2019
C4B612FC2C1E4EB...
Signature Date

539-19-040

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:

As a result of the number betterment projects anticipated to be under construction and the workload of the construction crews in District II, the Construction Division is requesting approval to proceed with a solicitation for full administration construction engineering services.

Note: This estimate is higher than the previous budget request to amend the current agreement due to unknowns such as costs for a mobile materials testing lab, field office, and nuclear gauges. It should also be noted that as the consultant becomes familiar with the program, more man hours will be expended. Those hours were accounted for in the attached estimate.

Scope of Services:


The scope of services includes providing professional and technical engineering services for full administration of District II Betterment Projects on an as-needed basis with as little as two weeks notice through 2022 to ensure that the construction of District II Betterment Projects are accomplished in conformance with the plans, specifications, and all other contract documents.



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

MEMORANDUM

March 16, 2020

TO: Clifford Lawson, Deputy Director
FROM: Tonia Andree, Project Manager ^{DS} 
SUBJECT: Master Agreement Summary for RFP 539-19-040 Construction Engineering Services for Full Administration of Betterment Projects in District II

The Department is seeking to hire one (1) firm to provide full construction administration services on as-needed basis, to ensure District II Betterment Projects are completed in conformance with the plans, specifications, and all other contract documents.

Scope of Services: See Attachment A

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

Duration of this agreement will be for 2 years, 9 months ending on December 31, 2022.

The budgeted amount of this Agreement is comprised of 100% State Funding.

The following firm has been selected from a competitive RFP process to enter into a Master Service Agreement, this is not an assurance of work:

Firm Name: HDR Engineering, Inc.

Any agreement executed as a result of this procurement shall be a Master Service Agreement, and work will be issued by Task Order. The total amount of all Task Orders issued to the service provider shall not exceed Three Million Four Hundred Ninety-One Thousand Thirty-Two and 41/100 Dollars (\$3,491,032.41).

Terms of negotiations will be determined at the time of each Task Order.

Reviewed and Approved:

DocuSigned by:
 Clifford M. Lawson 03/16/2020
609C7D7ABB4A443
Deputy Director

Attachment A Scope of Services

FULL ADMINISTRATION DISTRICT II BETTERMENT PROJECTS SCOPE OF SERVICES

The SERVICE PROVIDER agrees to perform professional and technical engineering services to ensure that the construction of District II Betterment Projects is accomplished in conformance with the plans, specifications, and all other contract documents.

The SERVICE PROVIDER shall provide up to one (1) Resident Engineer, one (1) Assistant Resident, one (1) Office Person, four (4) Inspectors level IV, three (3) Testers, two (2) nuclear gauges, a fully equipped and functional office, a fully equipped and functional lab trailer, trucks, and cell phones. The Resident Engineer, Assistant Resident, and Office Person are considered "Key Personnel". The SERVICE PROVIDER shall provide incidental equipment as may be required by the DEPARTMENT.

The SERVICE PROVIDER shall provide all personnel assigned to this project the proper safety equipment, including but not limited to, soft caps, hard hats and vests meeting the current DEPARTMENT standards for Work Zone Apparel.

The SERVICE PROVIDER shall provide a principal engineer to act as Project Manager. The Principal Engineer shall be limited to billing no more than eight (8) hours per month, unless prior approval for additional hours is obtained from the DEPARTMENT.

The Principal Engineer shall be certified by the Nevada State Board of Registered Professional Engineers and Land Surveyors, in accordance with Nevada Revised Statutes Chapter 625, as a licensed Civil Engineer.

The SERVICE PROVIDER shall provide personnel who possess the experience, knowledge and character to adequately perform the requirements of these services, so as not to delay the progress of construction. The SERVICE PROVIDER shall become familiar with the standard practices of the DEPARTMENT and shall ensure all personnel provided to work on the project become familiar with the DEPARTMENT's contract documents, including the plans, specifications, special provisions, and any change orders thereto. The SERVICE PROVIDER shall perform the procedures for office management, documentation, field inspection and field testing in accordance with the DEPARTMENT's specifications, Construction Manual, Testing Manual and Documentation Manual.

The SERVICE PROVIDER shall provide all personnel assigned to this project any specialized training, including safety training, or equipment necessary to perform the assigned duties, including but not limited to certification as a Water Pollution Control Manager, inspection and implementation of Storm Water Pollution Prevention Plans (SWPPP), testing and inspection. Personnel provided shall be approved by the DEPARTMENT prior to performance of work on this project.

The SERVICE PROVIDER shall provide its own or lease trucks and cell phones for all personnel who need to perform work outside of the office. Vehicles shall be equipped with high intensity flashing yellow strobe lights.

The SERVICE PROVIDER shall equip Inspectors with an iPad capable of supporting the Mobile Inspector™ software utilized by the DEPARTMENT for documenting field inspection activities.

All testing personnel shall meet and be certified under the American Concrete Institute (ACI) as Concrete Field-Testing Technician - Grade I; Nevada Alliance for Quality Transportation Construction (NAQTC) guidelines; certification under Western Alliance for Quality Transportation Construction (WAQTC) guidelines will be accepted in lieu of NAQTC. The SERVICE PROVIDER shall provide all personnel

assigned to this project any specialized training or equipment necessary for the use of any hazardous materials required to perform testing on this project.

The SERVICE PROVIDER shall provide one (1) field laboratory at the project site of the minimum size with sufficient capacity to perform the scope of services as required by the DEPARTMENT, and including any cabinets, shelves, sinks, counter space and filing cabinets needed. The laboratory shall be wired for 220 volts and have the exhaust vent required for the testing equipment needed for the project. The laboratory shall contain equipment needed to perform the testing on the project including but not limited to sieves, sieve shakers, scales, balances, sample splitters, drying devices such as ovens and burners, sand equivalent test set, specific gravity testing equipment, proctor compaction set, sand volume apparatus, nuclear testing devices, concrete testing equipment, density testing equipment, dry film thickness testing equipment, asphalt content tester and other miscellaneous equipment needed such as sampling devices, pans and tools in. The SERVICE PROVIDER agrees that this is a minimum equipment list and additional equipment may be required. The SERVICE PROVIDER shall also provide incidental equipment as may be required by the DEPARTMENT.

When nuclear gauges are required, the Service Provider shall have current licenses as required by the appropriate regulatory agencies. Personnel who operate or transport any nuclear density gauge shall have in their possession evidence of current certification pertaining to the nuclear density gauges under their control. The Service Provider shall be responsible to provide their own storage facility and transportation for nuclear density gauges.

The SERVICE PROVIDER shall equip office staff that will be utilizing the AASHTOWare Project™ program with a compatible device that has Adobe Pro or other PDF-editing/creating software installed.

The SERVICE PROVIDER shall provide one (1) field office at the project site or other approved location with equipment including, but not limited to computers, internet access, printers, copiers, scanners, desks and chairs. The SERVICE PROVIDER shall also provide incidental equipment as may be required by the DEPARTMENT.

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): 76

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

HDR Engineering, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 1917 S. 67th St.	Website: www.hdrinc.com
City, State and Zip Code: Ohama, NE 68106	Point of Contact Name: Nancy Brandon
Telephone and Fax No. Ph: 402-399-1000, Fax: 402-548-5015	Email: Nancy.Brandon@hdrinc.com

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

Street Address: 9805 Double R Blvd., Suite 101	Website: www.hdrinc.com
City, State and Zip Code: Reno, NV 89521	Point of Contact Name: Craig Smart, PE, Assoc. Vice President
Local Telephone and Fax No. Ph: 775-337-4700, Fax: 775-337-4774	Email: craig.smart@hdrinc.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 individual has a 5% ownership stake		

*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.

Craig W. Smart
Signature

Craig Smart, PE
Print Name

Associate Vice President
Title

March 11, 2020
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 3

673-19-015

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

x Initial Budget Request Request for Amendment #: Agreement #:

If Amendment, name of Company:

Project ID #(s): Various

Type of Services: Consultant services to prepare Financial & Project Management Plans & to perform analysis

DS
NJ

Originated by: Dwayne Wilkinson Division: Project Mgmt Date Originated: 10/04/2019

DS
MJ

Division Head/District Engineer: Nick Johnson

Budget Category #: 06-BLDG LND IMP Object #: 814D Organization #: 015

Type of Funding: State % of Fund: 100 State Fiscal Year(s): 2020-2022

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$ 800,000

Funding Notes: Presently it is NDOT's policy to fund all NEPA and PE work using state funds. Most of this work will be performed in the environmental and final design phase.

Financial Management:

DocuSigned by:
Gizachew Bewdu 10/08/2019
6ABC3985622400...
Signature Date

x 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:
Kathleen Meke 10/08/2019
9E9E10973C1B46E...
Signature Date

Director:

DocuSigned by:
Kristina L. Swallow 10/08/2019
C4B612FC2C1E4EB...
Signature Date

673-19-015

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 FHWA requires Major Project Management Plans for all projects over \$ 500 Million and Financial Plans for all projects over \$ 100 Million, with yearly updates. The Financial Plan is a comprehensive document that reflects the project's cost estimate and revenue structure and it provides a reasonable assurance that there will be sufficient financial resources available to implement and complete the project as planned. The Cost Risk Assessment (CRA) process is used in preparation of the Finance Plan. A key feature of employing innovative delivery methods in project delivery is the development of comprehensive approach to risk management. The Department uses the CRA process to identify, categorize, assess and price project risks. For additional detail please see the attached scope of services.

Scope of Services:

The Service Provider will: 1) Review relevant project documents; 2) Create, review and evaluate the most current base cost estimate; 3) Create, review and evaluate the most current Microsoft Office Project (MS Project) schedule; 4) Review and update project revenue sources by coordinating with NDOT's Financial Management, FHWA and other agencies/entities that are providing revenues; 5) Review and update risks delineated in the current risk register; 6) Perform probabilistic risk analysis via Monte Carlo simulation models to establish a probable range for cost and schedule; 7) Validate risk information provided and risk model used; 8) Review and update PMPs and Finance Plans; 9) Perform Value Engineering Analysis; 10) Establish risk based estimates; 11) Perform Benefit Cost Analysis; 12) Update Risk Management and Risk- Based Cost Estimation Guidelines; and 13) Provide training based on the updated guidelines.



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

MEMORANDUM

02/20/2020

TO: Cliff Lawson, Deputy Director

FROM: Nick Johnson, Chief Project Management ^{DS} NJ
 Lynnette Russell, Assistant Chief Project Management ^{DS} LR
 Dwayne Wilkinson, Project Manager DW

SUBJECT: Master Agreement Summary for RFP 673-19-015 Project Management Assistance Risk Analysis and Financial Plans

The Department is seeking to hire one (1) firm(s) to provide: project management assistance in project risk analysis and project financial and management plan development and updates. This work will include research, analysis and workshops needed to support the preparation of benefit cost analysis, value engineering studies, cost risk assessments, initial financial plans, annual financial plan updates, project management plans, project management plan updates, risk management plans and cost risk assessment value engineering studies. Additionally, the DEPARTMENTs Risk Management and Risk-Based Cost Estimation Guidelines will be updated and training in the updated guidelines will be provided.

Scope of Services: Please see Attachment A Scope of Services

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

Duration of this agreement(s) will be for 3 years, ending on April 28, 2023.

The budgeted amount of this Agreement is comprised of 100% State Funding.

The following firm have been selected from a competitive RFP process to enter into a Master Service Agreement, this is not an assurance of work:

Firm Name: C A Group, Inc.

Any agreement executed as a result of this procurement shall be a Master Service Agreement, and work will be issued by Task Order. The total amount of all Task Orders issued to the service provider shall not exceed Seven Hundred Ninety-Nine Thousand and No/100 Dollars (\$799,000.00).

Terms of negotiations will be determined at the time of each Task Order.

Reviewed and Approved:

DocuSigned by:

 609C7D34BB4A443
 Deputy Director

Attachment A Scope of Services

The SERVICE PROVIDER in performance of services under this agreement will follow:

- NDOT Risk Management and Risk-Based Cost Estimation Guidelines:
<https://www.nevadadot.com/home/showdocument?id=4518>
- Project Management Guidelines “Second Edition” 2010 Working Draft:
<https://www.nevadadot.com/home/showdocument?id=4502>
- Project Cost Estimation Manual November 2015:
<https://www.nevadadot.com/home/showdocument?id=1539>
- FHWA’s Project Management Guidelines:
<https://www.fhwa.dot.gov/majorprojects/pmp/guidance17.cfm>
<https://www.federalregister.gov/documents/2017/05/22/2017-10262/project-management-plan-guidance>
- FHWA’s Major Project Financial Plan Guidance:
https://www.fhwa.dot.gov/majorprojects/financial_plans/guidance14.cfm
<https://www.federalregister.gov/documents/2014/12/18/2014-29653/major-project-financial-plan-guidance>
- SAVE International Value Standard, 2007 edition:
<https://www.wsdot.wa.gov/NR/rdonlyres/34FFE1E3-BCC1-444D-93E4-D4DCF6BA3C3B/0/WhatIsVE.pdf>

The SERVICE PROVIDER will work with the Nevada Department of Transportation (DEPARTMENT) to perform financial and risk analysis and reporting services on an as-needed basis. These project specific services may include, but are not limited to the following:

- Value engineering analysis and reporting
- Risk analysis, costing, and reporting
- Revenue analysis and reporting
- Benefit analysis and reporting
- Critical Path Method (CPM) schedule creation and analysis
- Financial Plan creation and annual updates

Additionally, the SERVICE PROVIDER will update the DEPARTMENT’s Risk Management and Risk Based Cost Estimating Guidelines (Risk Guidelines) and provide training to DEPARTMENT staff on the updated Risk Guidelines.

In performance of these tasks, the SERVICE PROVIDER will conduct a review of plans, exhibits, project cost estimates, schedules, and any other relevant project documents to describe the scope, character, and timeframe of the project. This will include open communication with the project team so the SERVICE PROVIDER will develop a complete understanding of the challenges and risks facing the project. On a project-by-project basis, the DEPARTMENT will provide the following information to the SERVICE PROVIDER, if available: a list of the project team; a detailed narrative scope for the project;

the current cost estimate, clearly identifying any contingency or escalation in the estimate; the current project schedule; and engineering drawings.

Each of these items of work are detailed below:

Value Engineering Analysis and Reporting

The SERVICE PROVIDER will coordinate and perform Value Engineering (VE) Analyses in accordance with the Value Analysis Job Plan recognized by the FHWA, the American Association of State Highway and Transportation Officials, and SAVE international. The 6-step job plan is: Step 1 - Information Phase, Step 2 - Function Analysis Phase, Step 3 - Creative Phase, Step 4 -Evaluation Phase, Step 5 - Development Phase and Step 6 - Presentation Phase. A link to the SAVE International Value Standard, 2007 edition, has been included in the list of reference materials.

The SERVICE PROVIDER will provide a Certified Value Specialist to conduct the value analysis. A multidisciplinary team of persons not involved in the project will review and assess the project, providing recommendations. These recommendations are to provide the needed functions safely, reliably, efficiently, and at the lowest cost; to improve the value and quality of the project; and to reduce the time to complete the project.

The SERVICE PROVIDER will prepare and submit a draft and final value engineering/ value analysis report summarizing the analysis, findings, and recommendations. The report will include a management-approval signature line for each Value Analysis Team recommendation.

Deliverables for this item include: the SAVE Job Plan and meeting agenda(s); VE Study kick-off presentation and a presentation of the findings; Draft VE Report, comment matrix (inclusive of all comments received and an explanation as to how the comments were addressed), and Final VE Report. The cost model and Function Analysis System Technique (FAST) diagram used during the study will be included in the report.

Cost Estimating and Reporting

The SERVICE PROVIDER will create, review, and evaluate the most current base cost estimate for the project. If the project does not have a base cost estimate, then the SERVICE PROVIDER will prepare one. If the project development level or scope has changed since the last estimate, then the SERVICE PROVIDER will prepare a new base cost estimate. If the DEPARTMENT and SERVICE PROVIDER determine there have not been significant changes in the project development level and/ or scope since the last estimate was prepared, then the SERVICE PROVIDER will update the base cost estimate. The base cost estimate will be validated using the appropriate Subject Matter Experts (SMEs). The SMEs will be provided by the SERVICE PROVIDER unless otherwise specified at the time of services that the DEPARTMENT or another agency will provide specific SMEs. After the SERVICE PROVIDER validation, a basis of estimate will be prepared for all updated and new base cost estimates. The estimate and basis of estimate will be provided to the DEPARTMENT as a deliverable in electronic format (Microsoft Office Excel and Word) with all corresponding backup as to how cost was determined. The SERVICE PROVIDER shall also prepare the base cost estimate in a format that is compatible with the DEPARTMENT's Project Cost Estimation Manual if specified to do so in the task order agreement.

Risk Analysis and Reporting

The SERVICE PROVIDER will review and update project risks (opportunities and threats), delineated in the current risk register, and update the risk register with any new risks identified, along with the corresponding risk response strategy. If a risk register for the project is not available, the SERVICE PROVIDER will prepare one with corresponding risk response strategy. The risk register will be used by the SERVICE PROVIDER to update or develop a risk management plan. The risk register and risk

management plan will be provided to the DEPARTMENT as a deliverable in Microsoft Office Excel, with all corresponding backup as to how the risk register and risk response strategies were created and updated.

The SERVICE PROVIDER will perform probabilistic risk analysis via Monte Carlo simulation models to establish a probable range for both project cost and schedule based on anticipated risks, uncertainties, and escalation (the SERVICE PROVIDER will prepare and calculate project-specific escalation rates) with corresponding risk and schedule validation through the SMEs and other service provider experts. This process will include a pre-workshop preparation session and a Cost Risk Assessment (CRA) workshop. An SME with estimating experience shall be part of the workshop. The SERVICE PROVIDER must validate risk information provided and the risk model used for risk analysis. The SERVICE PROVIDER's Risk Elicitor (Risk Lead) shall work with the DEPARTMENT's Project Team and Risk Team to ensure that the risk information is compiled correctly and captured for use in risk analysis. A Microsoft Office PowerPoint presentation of CRA results using the Risk Breakdown Structure from the DEPARTMENT Risk Guidelines will be prepared and provided to the CRA participants. The creation and development of a documented, customized risk model will result. A model review session with the modeler will be conducted, if requested by the DEPARTMENT. The risk analysis documentation will include: assumptions, probability distributions of total project costs, and sub categories; probability distributions of overall project completion, risk response with appropriate costs, risks and distributions, and key intermediate milestones; risk-adjusted project cash flow at key probability levels, such as 50th, 70th and 90th percentiles; and ranking of key project cost and schedule risk factors (tornado diagrams).

Deliverables for this item include: documentation of all assumptions used to develop the model, any SME reports, and all backup information used as a basis for creating or developing the model; a matrix of all comments received and an explanation of how the comments were addressed; documentation of all inputs and corresponding probability distributions; Draft CRA Report for DEPARTMENT review; and Final CRA Report (inclusive of all matrices, probability distributions, and explanations of risk and schedule validation processes). CRA workshop results will be used in the preparation of financial plans.

The SERVICE PROVIDER will document all project revenue and project cash flow information and explain how it affects schedule and costs.

The SERVICE PROVIDER will establish risk-based estimates for innovative delivery and high-risk projects. For Construction Manager at Risk (CMAR) projects, this process will allow for the development of a risk reserve. For Design Build and other high-risk projects, identification and pricing of project risks will allow for the development of risk response strategies so they can be included as part of the contract

Revenue Analysis and Reporting

The SERVICE PROVIDER will review and update project revenue sources by coordinating with the DEPARTMENT's Financial Management, FHWA, and other agencies/ entities that are providing project revenues. The SERVICE PROVIDER will use this information to prepare the project revenue source documentation needed for the Financial Plan. The revenue source documentation will be provided to the DEPARTMENT as a deliverable in Microsoft Office Excel and Word. The revenue source documentation with the appropriate explanation will be included in draft and final reports. Both Financial Management Plan and Cost Risk Assessment Reports shall address availability of funding and cash flow restrictions in their calculations of costs.

Benefit Analysis and Reporting

The SERVICE PROVIDER will assist the DEPARTMENT in conducting Benefit/Cost Analysis for projects that will increase the capacity of the state highway system and cost at least \$25 million will be conducted, and the report will be submitted to the Transportation Board. The SERVICE PROVIDER should be able to conduct Benefit/ Cost Analysis for projects at different levels of development with different geographic characteristics, project types, and travel modes. The SERVICE PROVIDER should conduct Benefit/Cost Analysis with parameters calibrated with Nevada and national average data. The SERVICE PROVIDER should be able to provide accurate, reliable, and convincing Benefit/ Cost Analysis results through reasonably estimating major benefits including costs for projects. The SERVICE PROVIDER should also be able to assist the DEPARTMENT in conducting Benefit/Cost analysis for grant applications, such as Transportation Investment Generating Economic Recovery, and Infrastructure for Rebuilding America.

The proposer shall outline the methodology to be used in conducting project Benefit/Cost Analysis. The outline of the methodology is to include, but is not limited to, analytical procedure, analytical programs/ software, analytical models, data collection and analysis, parameter calibration, result summary, quality control, and assurance.

The SERVICE PROVIDER will perform Benefit/Cost Analysis on the DEPARTMENT's projects to evaluate project benefits and costs for prioritizing and ranking projects, comparing alternatives, allocating resources, and testing project phasing on various locations in Nevada. The SERVICE PROVIDER will coordinate this effort with the DEPARTMENT's Performance Analysis Division and the DEPARTMENT's Project Manager.

The SERVICE PROVIDER needs to consider major benefits while conducting Benefit/ Cost Analysis for projects, such as: safety, travel time savings, travel time reliability, operating cost savings, environmental benefits from reduced emissions and greenhouse gases, residual value, induced travel, noise, energy consumption, economic effects, community impacts, equity and option value benefits, habitat and water quality, construction dis-benefits, parking cost savings, maintenance and repair savings, deferral of complete replacement, reduced VMT from not closing bridges, land use changes that reduce VMT, increased accessibility, and property value increases.

The SERVICE PROVIDER needs to consider major costs while conducting Benefit/ Cost Analysis for projects such as: planning, preliminary engineering, and project design; environmental impact; final engineering; right-of-way acquisition; construction costs; maintenance costs; operation costs; rehabilitation costs; and end of project costs.

The SERVICE PROVIDER will provide a Benefit/Cost Analysis report to summarize analytical procedure and results. The report will be provided in both Microsoft Word and Adobe Acrobat. The report is to include but is not limited to: data inputs, analytical assumptions, parameter values and reference resources used, quantified and monetized benefits, costs considered, net present values, Benefit/ Cost ratio, internal rate of return, payback period, cost effectiveness, sensitivity analysis, and findings and limitations.

Deliverables for this item of work include: analytical models and programs with calibrated parameters, inputs, and outputs; Draft Benefit/ Cost Report; and Final Benefit/ Cost Report.

CPM Schedule Creation and Analysis

The SERVICE PROVIDER will review and evaluate the most current Microsoft Office Project (MS Project) schedule for the project. The SERVICE PROVIDER will then prepare an updated project base schedule using MS Project. The project schedule development will include the preparation of Gantt charts and flow charts for use during the risk analysis. If the project does not have a current and/ or base MS Project schedule, the SERVICE PROVIDER will prepare one. This task will result in the identification of key project activities and a flowchart being created, illustrating the sequence and the inter-dependency of these activities. The SERVICE PROVIDER will provide the MS Project file of the

updated/ new base cost schedule to the team members and others as designated by the DEPARTMENT Project Manager. The schedule and flow charts will be provided to the DEPARTMENT as a deliverable in electronic format, with all corresponding backup as to how the schedule was determined.

Financial Plan Creation and Annual Updates

The SERVICE PROVIDER will review the most current FHWA Project Management Plan, Finance Plan, and DEPARTMENT project management plan available for the project. The SERVICE PROVIDER will update the FHWA Project Management Plan, Finance Plan (including phasing plan if required), and the DEPARTMENT Project Management Plan (which will include the risk register) following DEPARTMENT and FHWA guidelines. Deliverables for this item include: draft plans for the review by DEPARTMENT, FHWA, and others as designated by the DEPARTMENT Project Manager(draft plans will include, at a minimum, all items on the Project Management Plan Checklist and the Financial Plan Checklist as shown in the respective guidance documents); a matrix of all comments received along with an explanation of how the comments were addressed; and final plans which incorporate all accepted comments. All final plans will be submitted for approval by the DEPARTMENT and may be subject to revision in the event additional comments are received. All versions of the plans will be provided in Microsoft Word and Adobe Acrobat.

Update Risk Guidelines and Training

The SERVICE PROVIDER will update the DEPARTMENT's Risk Guidelines dated August 2012. The link to the existing guidelines is provided above. The SERVICE PROVIDER will provide training on the updated Risk Guidelines. At this time, it is estimated that at least two (one-day) classes will be provided. One class will be conducted in Carson City and the other class in Las Vegas. The exact number and locations of classes is not known at this time. The details will be worked out in the task order scope of services.

For all services, the SERVICE PROVIDER will coordinate all activities between the DEPARTMENT, FHWA, and local agencies. The SERVICE PROVIDER will work closely with the DEPARTMENT Project Manager to ensure that coordination with project team members occurs.

For all services provided, the SERVICE PROVIDER will be required to provide all back up information required to do this work, except for any confidential information, trade secrets and/ or proprietary information that the SERVICE PROVIDER clearly delineated as such in their proposal or in the task order scope of work. The information to be provided includes:

- All professional service documentation inclusive of research, investigation, analysis data, reports (including files on disks), computations, original drawings and design files, correspondence input from external sources, etc., delivered to and become property of the DEPARTMENT, without limitation
- Subject Matter Expert (SME) notes, documentation of the viability of assumptions made regarding project configuration, scope, schedule, cost estimate, key risks, and the potential impact and response of risk events that may occur (including all other correspondence)
- All backup material used to validate cost and schedule including, but not limited to, historical information and details of local project data used in validation, explanation of professional judgment used, MS Project files, basis of estimates, etc.
- Written explanation of all cost estimates, with details of which risks were included or excluded, quantity estimates, and process by which estimating was performed
- All mathematical formulas used with an example and explanation
- QA/QC Checklist

- A detailed risk validation explanation and input data used
- All assumptions, with their corresponding probability distribution and explanation of configuration
- Notes of Risk Lead and Risk Elicitor

The SERVICE PROVIDER will be issued task orders on an as-needed basis (refer to sample agreement- <https://www.nevadadot.com/home/showdocument?id=6732>). Task Order authorization will be completed and signed for each task order. The SERVICE PROVIDER must also define, in detail, the Cost Risk Assessment Process to be used, step by step; the intent is to provide and follow NDOT's current process. Cost limits and fixed fee amounts for individual Task Orders will be negotiated at the time each Task Order is issued. Changes ordered by the DEPARTMENT which substantially modify the scope or character of a Task Order will be considered extra professional services and will be specified in an Amendment to the Task Order.

All deliverables shall be provided in the appropriate electronic format as designated by the DEPARTMENT at the time of issuance of each Task Order. Electronic formats may include MS Project, MS Word, MS Excel, Adobe, etc. Hard copies shall accompany each electronic submittal if specified in the Task Order Scope of Services.

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:

Street Address:	Website:
City, State and Zip Code:	Point of Contact Name:
Telephone and Fax No.	Email:

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

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

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

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

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



1263 South Stewart Street
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MEMORANDUM

April 3, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM # 9: Contracts, Agreements, and Settlements – *Informational Item Only*

Summary:

The purpose of this item is to inform the Board of the following:

- Construction contracts under \$5,000,000 awarded February 7, 2020 through March 12, 2020.
- Agreements under \$300,000 executed February 7, 2020 through March 12, 2020.
- Settlements entered into by the Department which were presented for approval to the Board of Examiners February 7, 2020 through March 12, 2020.

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

MEMORANDUM

Department of Transportation Board of Directors

April 3, 2020

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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 construction contracts constitute all that were awarded for construction from February 7, 2020 through March 12, 2020 and agreements executed by the Department from February 7, 2020 through March 12, 2020. There are no 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 Contracts Awarded – Under \$5,000,000, February 7, 2020 through March 12, 2020.
- B) State of Nevada Department of Transportation Executed Agreements – Informational, February 7, 2020 through March 12, 2020.

Recommendation for Board Action:

Informational item only

Prepared by:

Administrative Services Division

Attachment

A

**STATE OF NEVADA DEPARTMENT OF TRANSPORTATION
CONTRACTS AWARDED - INFORMATIONAL
February 7, 2020 through March 12, 2020**

1. December 19, 2019 at 3:00 PM the following bids were opened for Contract **3802**, Project No. SPF-093-2(021), on US 93, in Clark County, to chip seal.

Sierra Nevada Construction, Inc.....	\$1,092,007.00
Intermountain Slurry Seal, Inc.	\$1,121,121.00
Pavement Coatings	\$1,224,743.40
VSS International, Inc.....	\$1,297,120.00

Engineer's Estimate\$1,107,957.10

The Director awarded the contract on February 14, 2020 to Sierra Nevada Construction, Inc. in the amount of \$1,092,007.00.

2. January 30, 2020 at 1:30 PM the following bids were opened for Contract **3813**, Project No. SP-000M(286), on US 95, in Esmeralda and Mineral Counties, to chip seal.

Intermountain Slurry Seal, Inc	\$2,111,111.00
Sierra Nevada Construction, Inc.....	\$2,144,007.00
VSS International, Inc.....	\$2,150,120.00
Pavement Coatings	\$2,740,426.93

Engineer's Estimate\$2,310,075.04

The Director awarded the contract on February 24, 2020, to Intermountain Slurry Seal, Inc in the amount of \$2,111,111.00.

3. January 30, 2020 at 2:00 PM the following bids were opened for Contract **3814**, Project No. SPF-095-2(057), on US 95, in Clark County, to extend left-turn lane to Cold Creek.

Las Vegas Paving Corporation	\$457,001.00
CMMCM LLC DBA Muller Construction.....	\$474,868.60

Engineer's Estimate\$609,927.67

The Director awarded the contract on February 24, 2020, to Las Vegas Paving Corporation in the amount of \$457,001.00.

Attachment B

State of Nevada Department of Transportation
Executed Agreements - Informational
February 7, 2020 through March 12, 2020

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total of Prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Director's Office	Division Head	Notes
1	09619	01	CHARTER COMMUNICATIONS	SHARED FIBER CONNECTIVITY	N	\$139,000.00	-	\$126,600.00	\$265,600.00	-	03/06/2019	07/29/2024	02/28/2020	Facility	Traffic Operations	Darin	Denise	AMD 1 02-28-20: INCREASE AUTHORITY BY \$126,600.00 FROM \$139,000.00 TO \$265,600.00 FOR THREE (3) ADDITIONAL SITES TO BE ADDED TO THE AGREEMENT. 03-06-19: ALLOWS CHARTER TO PROVIDE FIBER CONNECTIVITY TO DEPARTMENT MAINTENANCE FACILITIES, INTELLIGENT TRANSPORTATION SYSTEM (ITS) AND PRODUCTION (IT) NETWORKS THAT ARE NOT WITHIN REACH OF OUR CURRENT FIBER FACILITIES, CHURCHILL, LYON AND CARSON COUNTIES. NV B/L#: NVF20141631158-S
2	97319	00	LINCOLN COUNTY POWER DISTRICT	LINE EXTENSION	Y	\$24,731.42	-	-	\$24,731.42	-	02/25/2020	12/31/2024	-	Facility	Right-of-Way	Cliff	Craig	02-25-20: FOR THE INSTALLATION OF SERVICE POINTS FOR PROJECT TAP-0317(004), SR 317(004) FROM KERSHAW RYAN STATE PARK ENTRANCE TO CLOVER STREET AND FROM CITY MAINTAINED CLOVER STREET TO DEPOT AVENUE, LINCOLN COUNTY. NV B/L#: EXEMPT
3	97419	00	LINCOLN COUNTY POWER DISTRICT	LINE EXTENSION	Y	\$11,784.74	-	-	\$11,784.74	-	02/25/2020	12/31/2024	-	Facility	Right-of-Way	Cliff	Craig	02-25-20: FOR ONE (1) 200-AMP UG SERVICE NEAR KERSHAW RYAN STATE PARK, LINCOLN COUNTY. NV B/L#: EXEMPT
4	11520	00	MT WHEELER POWER, INC	LINE EXTENSION	N	\$4,554.00	-	-	\$4,554.00	-	02/06/2020	01/31/2025	-	Facility	Right-of-Way	Cliff	Craig	02-06-20: NEW LIGHTING OF A SENTINEL SIGN FOR PROJECT SPF-050-5(015), US-50 FROM RUTH/KIMBERLY ROAD, EAST THROUGH ELY AND SOUTH ON GREAT BASIN BOULEVARD, US-50 TO INTERSECTION WITH US-6 AND US-93 FROM INTERSECTION WITH US-50, WHITE PINE COUNTY. NV B/L#: NVD19631001654
5	13920	00	MT WHEELER POWER, INC	UTILITY ADJUSTMENT	N	\$53,534.00	-	-	\$53,534.00	-	02/20/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	02-20-20: RELOCATE EXISTING POLE LINE IN CONFLICT WITH PROPOSED STORM WATER DESIGN ON US-50 AT WEST END OF AULTMAN STREET, AT THE INTERSECTION OF GREAT BASIN BOULEVARD, WHITE PINE COUNTY. NV B/L#: NVD19631001654
6	52619	00	HUMBOLDT COUNTY	GRANT-FUNDED VEHICLE PURCHASE	Y	\$67,836.00	-	-	\$57,661.00	\$10,175.00	03/01/2020	02/29/2024	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF TWO (2) WHEELCHAIR ACCESSIBLE VEHICLES FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, HUMBOLDT COUNTY. NV B/L#: EXEMPT
7	52819	00	NYE COUNTY SENIOR NUTRITION	GRANT-FUNDED VEHICLE PURCHASE	Y	\$69,360.00	-	-	\$58,956.00	\$10,404.00	03/01/2020	03/01/2025	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF E350 CUTAWAY BUS FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, NYE COUNTY. NV B/L#: NVD19811105471
8	52919	00	NYE COUNTY SENIOR NUTRITION	GRANT-FUNDED VEHICLE PURCHASE	Y	\$62,026.00	-	-	\$52,722.00	\$9,304.00	03/01/2020	03/01/2024	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF A FORD TRANSIT FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, NYE COUNTY. NV B/L#: NVD19811015471
9	53019	00	NYE COUNTY SENIOR NUTRITION	GRANT-FUNDED VEHICLE PURCHASE	Y	\$42,873.00	-	-	\$36,442.00	\$6,431.00	03/01/2020	03/01/2024	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF A DODGE GRAND CARAVAN FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, NYE COUNTY. NV B/L#: NVD19811015471
10	53119	00	PAHRUMP SENIOR CENTER	GRANT-FUNDED VEHICLE PURCHASE	Y	\$130,953.00	-	-	\$19,643.00	\$111,310.00	03/01/2020	03/01/2024	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF 2 (TWO) WHEELCHAIR ACCESSIBLE VEHICLES FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, NYE COUNTY. NV B/L#: NVD19991261846
11	53219	00	SOUTHERN NEVADA TRANSIT	GRANT-FUNDED VEHICLE PURCHASE	Y	\$462,368.00	-	-	\$69,355.00	\$393,013.00	03/01/2020	03/01/2025	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF 3 (THREE) WHEELCHAIR ACCESSIBLE VEHICLES FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, CLARK COUNTY. NV B/L#: NVD20021343670
12	53619	00	WHITE PINE COUNTY	GRANT-FUNDED VEHICLE PURCHASE	Y	\$122,692.00	-	-	\$18,404.00	\$104,288.00	03/01/2020	03/01/2025	-	Grantee	Planning	Sondra	Mark	03-01-20: GRANT-FUNDED VEHICLE PURCHASE OF 2 (TWO) WHEELCHAIR ACCESSIBLE VEHICLES FOR USE IN THE GRANTEE'S RURAL TRANSPORTATION PROGRAM, WHITE PINE COUNTY. NV B/L#: EXEMPT
13	67619	00	ARIZONA STATE UNIVERSITY	STUDY FOR IMPROVING CONSTRUCTION QUALITY CONTROL	N	\$250,000.00	-	-	\$250,000.00	-	01/31/2020	06/30/2022	-	Interlocal	Research	Sondra	Bob	01-31-20: RESEARCH STUDY TO LEVERAGE EMERGING AUGMENTED REALITY (AR) TECHNOLOGY TO DETERMINE MITIGATION OF CONSTRUCTION ERRORS FOR IMPROVING CONSTRUCTION QUALITY CONTROL AND TASK MONITORING, STATEWIDE. NV B/L#: EXEMPT
14	79219	00	UNIVERSITY OF NEVADA, RENO	RESEARCH FOR PAVEMENT DESIGN	N	\$150,000.00	-	-	\$150,000.00	-	02/13/2020	12/31/2021	-	Interlocal	Materials	Darin	Charlie	02-13-20: RESEARCH AND IMPLEMENTATION SUPPORT TO PROMOTE EFFICIENCY AND INCREASE THE LONGEVITY OF CURRENT PAVEMENT DESIGN AND CONSTRUCTION ACTIVITIES, STATEWIDE. NV B/L#: EXEMPT
15	02320	00	UNIVERSITY OF NEVADA, RENO	RESEARCH FOR ELECTRONIC STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (ESTIP)	N	\$61,296.00	-	-	\$61,296.00	-	03/06/2020	03/31/2021	-	Interlocal	Research	Sondra	Bob	03-06-20: RESEARCH STUDY OF REPAIR AND TESTING OF OUT-OF-PLANE SEISMIC RESPONSE OF POCKET CONNECTIONS TO FURTHER THE SAFETY OF ACCELERATED BRIDGE CONSTRUCTION STRUCTURES, STATEWIDE. NV B/L#: EXEMPT
16	15720	00	FIRST AMERICAN TITLE COMPANY	TEMPORARY AND PERMANENT EASEMENTS	Y	\$51,017.00	-	-	\$51,017.00	-	02/03/2020	02/02/2022	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-03-20: THREE (3) PERMANENT AND ONE (1) TEMPORARY EASEMENT FOR CONSTRUCTION AND MAINTENANCE ON PARCELS S-589-CL-009.975PE1, S-612-CL-040.960PE1, S-612-CL-040.960PE2, AND S-612-CL040.960TE, CLARK COUNTY. NV B/L#: NVD19971036278
17	13820	00	OLD FALLON, LLC	PERMANENT EASEMENT	N	\$2,000.00	-	-	\$2,000.00	-	02/20/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-20-20: PERMANENT EASEMENT FOR CONSTRUCTION AND MAINTENANCE OF SIDEWALKS AND CURB RAMPS ON PARCEL U-050-CH-020.005PE1, CHURCHILL COUNTY. NV B/L#: NVD20021232227

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18	12920	00	TEN 15 WINTERWOOD, LLC	TEMPORARY EASEMENT	N	\$9,320.00	-	-	\$9,320.00	-	02/03/2020	02/02/2022	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-03-20: TEMPORARY EASEMENT FOR CONSTRUCTION REPAIR AND REPLACEMENT ON PARCEL S-612-CL-041.013TE1, CLARK COUNTY. NV B/L#: NVD20111240308
19	53617	01	AUDIO VISUAL INNOVATIONS, INC.	VIDEOWALL MAINTENANCE	N	\$166,344.79	-	\$32,000.00	\$198,344.79	-	08/15/2018	12/31/2020	03/06/2020	Service Provider	Traffic Operations	Darin	Denise	AMD 1 03-06-20: EXTEND TERMINATION DATE FROM 06-30-20 TO 12-31-20 AND INCREASE AUTHORITY BY \$32,000.00 FROM \$166,344.79 TO \$198,344.79 DUE TO AN ERROR IN THE EXPIRATION DATE OF THE CUSTOMER CARE PROGRAM TO ENSURE VIDEOWALLS CONTINUE TO BE SERVICED. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. 08-15-18: VIDEOWALL MAINTENANCE PROJECT FOR PREVENTATIVE AND EMERGENCY MAINTENANCE SUPPORT FOR THREE (3) REGIONAL OPERATIONS CENTERS (ROCS), WASHOE, CLARK, AND ELKO COUNTIES. NV B/L# EXEMPT-R
20	04520	00	C.A. GROUP, INC.	GRANT APPLICATION ASSISTANCE	N	\$15,000.00	-	-	\$15,000.00	-	02/13/2020	03/31/2020	-	Service Provider	Planning	Sondra	Mark	02-13-20: ASSISTANCE IN PREPARING AN INFRASTRUCTURE FOR REBUILDING AMERICA (INFRA) GRANT APPLICATION TO SEEK DISCRETIONARY FUNDING ASSISTANCE FOR THE CRITICALLY IMPORTANT TROPICANA/I-15 INTERCHANGE IN LAS VEGAS, CLARK COUNTY. NV B/L#: NVD20081407877-S
21	06420	00	COASTLINE EQUIPMENT COMPANY	REPAIR UNIT 0433	N	\$35,000.00	-	-	\$35,000.00	-	03/11/2020	06/01/2020	-	Service Provider	Equipment	Tracy	Wayne	03-11-20: REPLACEMENT OF THE FAILED DIFFERENTIAL IN JOHN DEERE LOADER UNIT 0433 TO BRING THIS UNIT BACK INTO WORKING ORDER PERFORMING MAINTENANCE OPERATIONS, CLARK COUNTY. NV B/L#: NVF19871021830-S
22	03720	00	CONVERGEONE	AVAYA PHONE SYSTEM TRAINING	N	\$54,130.00	-	-	\$54,130.00	-	02/26/2020	06/30/2020	-	Service Provider	Training	Cole	Barbara	02-26-20: TRAINING AND CERTIFICATION OF UP TO TEN (10) DEPARTMENT EMPLOYEES IN FOUNDATIONS AND ADMINISTRATION OF AVAYA ADMINISTRATION IN FEBRUARY, MARCH, AND APRIL 2020 IN CARSON CITY. NV B/L#: EXEMPT-S
23	02420	00	CUMMINS SALES AND SERVICE	ENGINE OVERHAUL UNIT 2274	N	\$35,000.00	-	-	\$35,000.00	-	02/12/2020	03/31/2020	-	Service Provider	Equipment	Tracy	Wayne	02-12-20: ENGINE OVERHAUL IN A 2007 PETERBILT PLOW TRUCK, UNIT 2274 TO KEEP IT IN WORKING CONDITION, WASHOE COUNTY. NV B/L#: EXEMPT-S
24	04320	00	DOCUSIGN, INC.	DOCUSIGN INTELLEDOX TRAINING	N	\$41,650.00	-	-	\$41,650.00	-	02/12/2020	12/15/2020	-	Service Provider	Administrative Services	Felicia	Maya	02-12-20: TRAINING ON DOCUSIGN'S GUIDED FORMS (INTELLEDOX) TO PROVIDE TECHNOLOGIES THAT ENABLE THE USER TO DELIVER A GUIDED, DIGITAL, AND MOBILE-FRIENDLY PLATFORM THAT RESULTS IN A FASTER, FRIENDLIER EXPERIENCE FOR ALL USERS, STATEWIDE. NV B/L#: EXEMPT-S
25	02120	00	ECONINTERACTIVE, INC.	ELECTRONIC STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (ESTIP) ENHANCEMENTS	Y	\$223,220.00	-	-	\$223,220.00	-	03/06/2020	06/30/2022	-	Service Provider	Planning	Sondra	Mark	03-06-20: ENHANCEMENTS TO THE DEPARTMENT'S ELECTRONIC STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (ESTIP) PLATFORM TO PROVIDE PROFESSIONAL SERVICES TO MAKE CUSTOM ENHANCEMENTS TO THE PROJECT TRACKER SOFTWARE AS A SERVICE (SAAS) ESTIP SOLUTION CURRENTLY PROVIDED TO THE DEPARTMENT, STATEWIDE. NV B/L#: NVF20141724067-S
26	12420	00	FIRST AMERICAN TITLE COMPANY	TITLE REPORTS	Y	\$1,800.00	-	-	\$1,800.00	-	02/10/2020	02/28/2022	-	Service Provider	Right-of-Way	Cliff	Craig	02-10-20: PROVIDE THREE (3) PRELIMINARY TITLE REPORTS ON PROJECT NHP-515-1(040), CLARK COUNTY. NV B/L#: NVD20101732945
27	72219	00	GALT DEVELOPMENT, LLC	RECONSTRUCT ASPHALT PAVEMENT	N	\$249,345.55	-	-	\$249,345.55	-	03/04/2020	12/31/2020	-	Service Provider	District 1	Tracy	Mario Gomez	03-04-20: RECONSTRUCT ROADWAY ASPHALT PAVEMENT ON STATE ROUTE 168, GLENDALE BOULEVARD, CLARK COUNTY. NV B/L#: NVD20101761769-Q PROPOSERS: GALT DEVELOPMENT, LLC, LAS VEGAS PAVING CORPORATION, AGGREGATE INDUSTRIES-SWR, INC.
28	25019	00	KISTERS NORTH AMERICA, INC.	DATA MANAGEMENT SYSTEM	N	\$190,000.00	-	-	\$190,000.00	-	02/14/2020	06/30/2021	-	Service Provider	Storm Water	Cliff	James	02-14-20: AQUISITION OF A WATER QUALITY DATA MANAGEMENT SYSTEM TO COLLECT, STORE, ANALYZE AND REPORT WATER QUALITY DATA IN SUPPORT OF THE DEPARTMENT'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM, STATEWIDE. NV B/L#: NVF20191607680-R PROPOSERS: KISTERS NORTH AMERICA, INC., AQUATIC INFORMATICS, CANARY SYSTEMS, INC., GCR, WEBSOFT DEVELOPERS
29	05320	00	LEICA GEOSYSTEMS, INC.	AERIAL CAMERA SYSTEM TRAINING	N	\$23,200.00	-	-	\$23,200.00	-	02/21/2020	12/30/2020	-	Service Provider	Training	Cole	Barbara	02-21-20: TRAINING NDOT IMAGERY SECTION EMPLOYEES ON THE DIGITAL MAPPING CAMERA IIE SYSTEM AND THE PROCESSING OF DATA COLLECTION FOR THE NEW NDOT AIRPLANE, CARSON CITY AND WASHOE COUNTY. NV B/L#: EXEMPT-S
30	15220	00	MATHEWS APPRAISAL	APPRAISAL SERVICES	Y	\$12,000.00	-	-	\$12,000.00	-	03/02/2020	02/28/2021	-	Service Provider	Right-of-Way	Cliff	Craig	03-02-20: PROPERTY APPRAISAL SERVICES FOR SIGN STRUCTURE, FOUNDATION, AND VIADUCT REHABILITATION FOR THREE (3) PROPERTIES I-515-CL-074.707TE1, I-515-CL-074.706TE1, AND I-515-CL-074.647TE, CLARK COUNTY. NV B/L#: NVD20091178060
31	01020	00	NEVADA BARRICADE & SIGN COMPANY, INC.	TRAFFIC CONTROL	N	\$186,940.00	-	-	\$186,940.00	-	02/12/2020	03/31/2021	-	Service Provider	Structures	Cliff	Jessen	02-12-20: PROVIDE TRAFFIC CONTROLS FOR ACCESS TO REQUIRED BRIDGE INSPECTIONS AT VARIOUS LOCATIONS THROUGHOUT DISTRICT II, PERSHING, WASHOE, LYON, DOUGLAS, MINERAL, STOREY, CHURCHILL COUNTIES AND CARSON CITY. NV B/L#: NVD20001224303-Q PROPOSERS: NEVADA BARRICADE & SIGN COMPANY, INC., SILVER STATE BARRICADE & SIGN

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32	18419	00	PAR ELECTRICAL CONTRACTORS, INC.	INTELLIGENT TRANSPORTATION SYSTEM (ITS) POLE INSTALLATION	N	\$204,851.00	-	-	\$204,851.00	-	03/03/2020	12/31/2020	-	Service Provider	District 2	Tracy	Mike	03-03-20: INSTALL AN INTELLIGENT TRANSPORTATION SYSTEMS (ITS) POLE WITH ROAD WEATHER INFORMATION SYSTEM (RWIS) AND CLOSED-CIRCUIT TELEVISION (CCTV) ON I-80 AT MILE MARKER WA 36.85, WASHOE COUNTY. NV B/L#: NVF19931031312-Q PROPOSERS: PAR ELECTRICAL CONTRACTORS, INC., TITAN ELECTRICAL CONTRACTORS
33	02820	00	PARAMETRIX, INC.	GRANT APPLICATION ASSISTANCE	N	\$45,000.00	-	-	\$45,000.00	-	02/13/2020	03/16/2020	-	Service Provider	Planning	Sondra	Mark	02-13-20: ASSISTANCE IN PREPARING AN INFRASTRUCTURE FOR REBUILDING AMERICA (INFRA) GRANT APPLICATION TO SEEK DISCRETIONARY FUNDING ASSISTANCE FOR THE CRITICALLY IMPORTANT PASSING LANES WITHIN THE US-93 CORRIDOR BETWEEN WELLS AND JACKPOT, ELKO COUNTY. NV B/L#: NVF20111241070-S
34	30118	02	TDA ENTERPRISES DBA DSI	MAINTENANCE OF AUDIO EQUIPMENT	N	\$30,000.00	\$135,790.00	\$74,809.64	\$240,599.64	-	06/06/2018	06/30/2020	02/07/2020	Service Provider	Information Services	Felicia	James	AMD 2 02-07-20: INCREASE AUTHORITY BY \$74,809.64 FROM \$165,790.00 TO \$240,599.64 FOR INSTALLATION OF AUDIO/VISUAL EQUIPMENT FOR TRAINING ROOM B, LAS VEGAS CONFERENCE ROOM, FOR TRANSPORTATION BOARD MEETINGS. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. AMD 1 07-31-19: INCREASE AUTHORITY FROM \$30,000.00 BY \$135,790.00 TO \$165,790.00 FOR THE INSTALLATION OF AUDIO/VISUAL CONTROL SYSTEM FOR THE DEPARTMENT'S ROOP STREET ANNEX BUILDING, ROOM #311 AND CONFERENCE ROOM PANELS. 06-06-18: CLEANING AND GENERAL PREVENTATIVE MAINTENANCE OF ALL NDOT AUDIO/VISUAL EQUIPMENT, CARSON CITY. NV B/L#: NVF20171685774
35	04420	00	THE DRUCKMAN COMPANY, LLC	SCRUM MASTER TRAINING	N	\$30,000.00	-	-	\$30,000.00	-	02/19/2020	06/30/2020	-	Service Provider	Training	Cole	Barbara	02-19-20: TRAINING AND CERTIFICATION OF UP TO THIRTY-THREE (33) NDOT EMPLOYEES IN SCRUM MASTER AND SCRUM PROJECT OWNER TRAINING, CARSON CITY COUNTY. NV B/L#: EXEMPT-S
36	03820	00	URETEK USA, INC.	STABILIZE FOUNDATION SOILS	N	\$99,900.00	-	-	\$99,900.00	-	03/02/2020	12/31/2020	-	Service Provider	District 1	Tracy	Mario Gomez	03-02-20: LIFT EXISTING BRIDGE APPROACH SLABS, IN ORDER TO GRADE AND STABILIZE FOUNDATION SOILS, AT BRIDGE STRUCTURES B-81 AND B-281 ON STATE ROUTE 168 GLENDALE BOULEVARD, CLARK COUNTY. NV B/L#: NVF19941131222-Q. PROPOSERS: URETEK USA, INC., EAGLELIFT, INC.
37	40519	01	WH CONSULTING	CONTRACT COMPLIANCE MONITORING	N	\$100,000.00	-	\$164,000.00	\$264,000.00	-	09/16/2019	03/31/2021	02/13/2020	Service Provider	Contract Compliance	Tracy	Sonnie	AMD 1 02-13-20: EXTEND TERMINATION DATE FROM 06-30-20 TO 03-31-21 AND INCREASE AUTHORITY BY \$164,000.00 FROM \$100,000.00 TO \$264,000.00 FOR EXTENSION OF THE CONTRACT SERVICE PERIOD. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. 09-16-19: CONTRACT COMPLIANCE MONITORING SERVICES TO ENSURE COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ON DEPARTMENT CONSTRUCTION CONTRACTS, STATEWIDE. NV B/L#: NVD20191512894-R

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38	12020	00	CLARK COUNTY WATER RECLAMATION	MANHOLE AND VALVE COVERS	N	\$100,000.00	-	-	-	\$100,000.00	02/05/2020	01/31/2025	-	Facility	Right-of-Way	Cliff	Craig	02-05-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS ON NELLIS BOULEVARD FROM TROPICANA BOULEVARD TO LAS VEGAS BOULEVARD, CLARK COUNTY. NV B/L#: EXEMPT
39	15520	00	MCIMETRO ACCESS TRANSMISSION SERVICES	INDEMNIFICATION AGREEMENT	N	-	-	-	-	-	03/11/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	03-11-20: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT FOR STATE ROUTE 582 MILE POST CL15.01-CL16.29 (PERMIT 211532), CLARK COUNTY. NV B/L#: NVF19981025314
40	14120	00	NV ENERGY	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	02/25/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	02-25-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS FOR CHIP SEAL WITH MICRO-SURFACING ON STATE ROUTE 439 FROM MP 4.26 TO MP 9.67, STOREY COUNTY. NV B/L#: NVD19831015840
41	34019	01	NV ENERGY	RELOCATION DESIGN APPROVAL	N	-	-	-	-	-	07/10/2019	06/30/2024	03/02/2020	Facility	Right-of-Way	Cliff	Craig	AMD 1 03-02-20: NO COST AMENDMENT FOR CONTINUATION OF SERVICES. 07-10-19: DESIGN APPROVAL FOR A RELOCATION OF NV ENERGY'S FACILITIES DUE TO THE INSTALLATION OF NDOT I-15/CC215 NORTHERN INTERCHANGE, CLARK COUNTY. NV B/L#: NVD19831015840
42	15020	00	TRI GENERAL IMPROVEMENT DIST.	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	03/02/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	03-02-20: NO COST AGREEMENT TO ADJUST SIXTY-EIGHT (68) MANHOLE COVERS ON STATE ROUTE 439 FROM MP 4.26 TO MP 9.67, STOREY COUNTY. NV B/L#:EXEMPT
43	15120	00	TRI GENERAL IMPROVEMENT DIST.	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	03/02/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	03-02-20: NO COST AGREEMENT TO ADJUST ONE HUNDRED AND THIRTY THREE (133) WATER VALVE COVERS ON STATE ROUTE 439 FROM MP 4.26 TO MP 9.67, STOREY COUNTY. NV B/L#: EXEMPT
44	14820	00	WALKER RIVER PAIUTE TRIBE	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	02/27/2020	02/28/2025	-	Facility	Right-of-Way	Cliff	Craig	02-27-20: NO COST AGREEMENT TO ADJUST THREE (3) WATER AND THREE (3) SEWER COVERS ALONG US-95 FROM MP CH15.594 TO MP MI 82.940, MINERAL AND CHURCHILL COUNTIES. NV B/L#: EXEMPT
45	97619	01	WILL MORGAN	LINE EXTENSION	Y	\$2,305.00	-	-	\$2,305.00	-	12/17/2019	12/31/2024	02/10/2020	Facility	Right-of-Way	Cliff	Craig	AMD 1 02-10-20: NO COST AMENDMENT TO CORRECT AN NV ENERGY AGREEMENT NUMBER ERROR IN THE ORIGINAL AGREEMENT. 12-17-19: INSTALLATION OF A NEW 100A ELECTRIC SERVICE FOR NEW PEDESTRIAN CROSSING SIGNAL AND LIGHTING ON SHADOW LANE AND US-95A, LYON COUNTY. NVD19831015840
46	74619	00	CITY OF LAS VEGAS PUBLIC WORKS	ADA IMPROVEMENTS	N	-	-	-	-	-	03/06/2020	12/31/2020	-	Interlocal	Design	Cliff	Scott	03-06-20: NO COST AGREEMENT GRANTING PERMISSION FOR THE DEPARTMENT TO CONSTRUCT ADA IMPROVEMENTS IN THE CITY OF LAS VEGAS' RIGHT-OF-WAY ALONG JONES BOULEVARD, CLARK COUNTY. NV B/L#: EXEMPT
47	36718	01	TAHOE RESOURCE CONSERVATION DISTRICT	STORMWATER MONITORING	N	\$100,050.00	-	-	\$100,050.00	-	12/18/2018	06/30/2021	02/28/2020	Interlocal	Storm Water	Cliff	James	AMD 1 02-28-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE OF THE AGREEMENT FROM 06-30-20 TO 06-30-21 TO ALLOW SUFFICIENT TIME TO COMPLETE THE PROJECT. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. 12-18-18: STORMWATER MONITORING AND REPORTING SERVICES, CARSON CITY, WASHOE, AND DOUGLAS COUNTIES. NV B/L#: EXEMPT
48	03420	00	CARLA MCMULLAN	EMPLOYEE HOUSE LEASE	N	-	-	-	-	\$3,000.00	02/16/2020	02/10/2024	-	Lease	District 1	Tracy	Mario Gomez	02-16-20: NO COST AGREEMENT FOR AN EMPLOYEE HOUSE LEASE AT BLUE JAY MAINTENANCE STATION, HOUSE #2, NYE COUNTY. NV B/L#: EXEMPT
49	04120	00	MICHAEL ULLOA	EMPLOYEE HOUSE LEASE	N	\$4,080.00	-	-	-	\$4,080.00	02/25/2020	02/29/2024	-	Lease	District 3	Tracy	Boyd	02-25-20: NO COST AGREEMENT FOR AN EMPLOYEE HOUSE LEASE AT EMIGRANT MAINTENANCE STATION, HOUSE #244, EUREKA COUNTY. NV B/L#: EXEMPT
50	03520	00	ZACHARY B. HILL	EMPLOYEE HOUSE LEASE	N	-	-	-	-	\$3,200.00	02/20/2020	02/10/2024	-	Lease	District 1	Tracy	Mario Gomez	02-20-20: NO COST AGREEMENT FOR AN EMPLOYEE HOUSE LEASE AT BLUE JAY MAINTENANCE STATION, HOUSE #3, NYE COUNTY. NV B/L#: EXEMPT
51	14520	00	A-RAE LIMITED PARTNERSHIP	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/28/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-28-20: NO COST AGREEMENT TO RECONSTRUCT CURB AND GUTTERS WITH ADA COMPLIANT SIDEWALKS AND DRIVEWAYS ON US-50 FROM ALLEN ROAD TO RIO VISTA ROAD ON PARCEL 001-121-01, CHURCHILL COUNTY. NV B/L#: NVD20021169138
52	14320	00	BRFI LAS VEGAS, LLC	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/25/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-25-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVF20171269290
53	13120	00	CLINICA MEDICA DEL PUEBLO	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVD20061435704
54	12520	00	DAVID ROBERT BROWN	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
55	15320	00	DOUGLAS AND SANDRA SALISBURY	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	03/02/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	03-02-20: NO COST AGREEMENT TO RECONSTRUCT A SEGMENT OF THE HIGHWAY, CURB, GUTTERS, AND SIDEWALKS ON THE PRESENT HIGHWAY 50 FROM RUTH AND KIMBERLY ROAD TO US-6 ON PARCEL 002-064-08, WHITE PINE COUNTY. NV B/L#: EXEMPT

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56	13220	00	EDGARDO ISRAEL HERNANDEZ	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
57	13020	00	FLORA B. IBANEZ	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
58	14720	00	FRED A. AND LICIA ROGNE	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/28/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-28-20: NO COST AGREEMENT TO RECONSTRUCT CURB AND GUTTERS WITH ADA COMPLIANT SIDEWALKS AND DRIVEWAYS ON US-50 FROM ALLEN ROAD TO RIO VISTA ROAD ON PARCEL 001-121-02, CHURCHILL COUNTY. NV B/L#: EXEMPT
59	12620	00	FRED AND JOELLYN ROBINSON TRUST	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/12/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-12-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
60	13720	00	GOLDEN BAR & LOUNGE, LLC	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVD20111622175
61	13520	00	JEFFRY L. AND DIANE BURGER TRUST	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
62	13620	00	JORGE CRUZ DIAZ	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
63	13420	00	JOSE ARTURO MARIN	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
64	13320	00	JUAN PABLO HERNANDEZ	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/13/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-13-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
65	14920	00	OREN AND BARBARA GOODRICH	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/28/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-28-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: EXEMPT
66	14220	00	PISCO HOLDINGS LTD	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/25/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-25-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVD20011011236
67	12220	00	PRODUCTIONISING, LLC	TEMPORARY EASEMENT	N	-	-	-	-	-	02/06/2020	02/07/2020	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-06-20: NO COST AGREEMENT FOR TEMPORARY EASEMENT FOR A SPECIAL EVENTS PHOTO SHOOT ON PARCEL NUMBERS 096-35-499-001, 096-25-299-001, 096-25-699-001, 096-25-399-001, AND 097-10-099-001, CLARK COUNTY. NV B/L#: EXEMPT
68	12320	00	PRODUCTIONISING, LLC	TEMPORARY EASEMENT	N	-	-	-	-	-	02/06/2020	02/07/2020	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-06-20: NO COST AGREEMENT FOR TEMPORARY EASEMENT FOR A SPECIAL EVENTS PHOTO SHOOT ON PARCEL NUMBER 165-23-000-00, CLARK COUNTY. NV B/L#: EXEMPT
69	14620	00	SIERRA NEVADA PRODUCTIONS	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/28/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-28-20: NO COST AGREEMENT TO RECONSTRUCT CURB AND GUTTERS WITH ADA COMPLIANT SIDEWALKS AND DRIVEWAYS ON US-50 FROM ALLEN ROAD TO RIO VISTA ROAD ON PARCEL 001-231-61, CHURCHILL COUNTY. NV B/L#: EXEMPT
70	12720	00	UH STORAGE (DE) LTD PARTNERS	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/12/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-12-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVF20041322696
71	14020	00	VILLA EAST PROPERTIES, LLC	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/25/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-25-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVD20031042684
72	12820	00	Y & S H, INC	CONSTRUCTION OUTSIDE OF RIGHT-OF-WAY	N	-	-	-	-	-	02/12/2020	02/28/2025	-	Right-of-Way Access	Right-of-Way	Cliff	Craig	02-12-20: NO COST AGREEMENT TO RECONSTRUCT DRIVEWAY APPROACHES AND A SEGMENT OF NELLIS BOULEVARD FROM TROPICANA AVENUE TO CRAIG ROAD, CLARK COUNTY. NV B/L#: NVF20171615472

NO COST AGREEMENTS AND/OR AMENDMENTS

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total of Prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Director's Office	Division Head	Notes
73	74218	02	CARDNO	BIOLOGICAL COMPLIANCE MONITOR	N	\$299,551.59	-	-	\$299,551.59	-	05/31/2019	06/30/2020	3/10/2020	Service Provider	Environmental	Cliff	My-Linh	<p>AMD 2 03-10-20: NO COST AMENDMENT TO INCLUDE A BIOLOGICAL MONITORING PLAN TO EXPAND UPON THE SURVEYING SERVICES INCLUDED IN THE SCOPE OF SERVICES. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED.</p> <p>AMD 1 09-16-19: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 10-31-19 TO 06-30-20 DUE TO CONSTRUCTION DELAYS. ADDITIONAL FUNDS ARE NOT ANTICIPATED.</p> <p>05-31-19: US-95 INTELLIGENT TRANSPORTATION SYSTEM (ITS) PROJECT FOR BIOLOGICAL OVERSIGHT FOR CLARK COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN. THE PROJECT WILL REQUIRE BIOLOGICAL MONITORING AT 10 LOCATIONS, OF VARYING SIZES AND WILL INCLUDE SURVEYS, MONITORING, REPORTING AND DOCUMENTATION, STATEWIDE. NV B/L#: NVF20111772626-R</p>
74	21016	02	DICKSON COMMERCIAL GROUP	BROKER RESPONSIBILITIES	Y	\$250,000.00	-	-	\$250,000.00	-	10/03/2016	12/31/2020	03/06/2020	Service Provider	Right-of-Way	Cliff	Craig	<p>AMD 2 03-06-20: NO COST AMENDMENT TO EXTEND EXPIRATION DATE FROM 06-30-20 TO 12-31-20 DUE TO CONTINUED NEED FOR PROFESSIONAL SERVICES TO SELL REMAINING DEPARTMENT-OWNED PROPERTY. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED.</p> <p>AMD 1 05-18-18: EXTEND EXPIRATION DATE FROM 06-30-18 TO 06-30-20 DUE TO THE CONTINUED NEED FOR PROFESSIONAL SERVICES.</p> <p>10-03-16: TO SERVE AS A BROKER FOR THE SALE OF PROPERTIES CURRENTLY OWNED BY THE DEPARTMENT, CARSON CITY, DOUGLAS AND WASHOE COUNTIES. NV B/L#: NVD20141398561</p>
75	03920	01	H&E EQUIPMENT SERVICES	CRANE REPAIRS UNIT 3069	N	\$85,000.00	-	-	\$85,000.00	-	03/04/2020	10/30/2020	3/11/2020	Service Provider	Equipment	Tracy	Wayne	<p>AMD 1 03-11-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 06-02-20 TO 10-30-20 DUE TO THE BACK ORDER OF ESSENTIAL PARTS NEEDED TO COMPLETE THE REPAIR. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED.</p> <p>03-04-20: CRANE REPAIR ON UNIT 3069, A 2001 FREIGHTLINER, TO BRING THIS UNIT BACK TO OPERATING CONDITION FOR THE INSTALLATION AND SERVICING OF HIGHWAY LIGHTING IN DISTRICT I, CLARK COUNTY. NV B/L#: NVF20061465073-S</p>
76	40017 40117 40217	02	MEAD & HUNT NORTHWIND RESOURCE SWCA	ON-CALL ARCHITECTURAL HISTORY SERVICES	N	\$250,000.00	\$400,000.00	-	\$650,000.00	-	07/04/2017	06/30/2021	02/19/2020	Service Provider	Environmental	Cliff	My-Linh	<p>AMD 2 02-19-20: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 06-30-20 TO 06-30-21 FOR CONTINUATION OF SERVICES. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED.</p> <p>AMD 1 06-11-18: INCREASE AUTHORITY BY \$400,000.00 FROM \$250,000.00 TO \$650,000.00 AND EXTEND THE TERMINATION DATE FROM 06-30-18 TO 06-30-20 FOR THE CONTINUATION OF ON-CALL ARCHITECTURAL HISTORIAN SERVICES DUE TO LIMITED STAFF RESOURCES, NUMBER OF ANTICIPATED PROJECTS, AND TO MEET THE REQUIREMENTS OF SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT.</p> <p>07-04-17: PROVIDE ARCHITECTURAL HISTORY SERVICES PROCURED UNDER RFP 527-16-13 ON AN AS-NEEDED BASIS FOR PROGRAM AND FIELD SUPPORT WITH BACKGROUND RESEARCH, SURVEY, SITE RECORDATION, REPORT WRITING, TREATMENT PLANS, AND MITIGATION MEASURES TO THE TREATMENT PLAN SPECIFICATIONS. ARCHITECTURAL SERVICES ARE NECESSARY TO SATISFY THE REQUIREMENTS OF SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT, AS AMENDED, AND THE 2014 CULTURAL RESOURCES TRANSPORTATION PROGRAMMATIC AGREEMENT. DUE TO LIMITED STAFF RESOURCES THESE SERVICES WILL PROVIDE THE FLEXIBILITY AND RESPONSIVENESS TO MEET PROJECT AND INTERNAL SCHEDULES, STATEWIDE. NV B/L#: NVF20121120810, NVF20161054087, NVF20011181091-R</p>
77	16719	01	OTIS ELEVATOR COMPANY	ELEVATOR MAINTENANCE	N	\$34,920.00	-	-	\$34,920.00	-	06/10/2019	05/31/2021	02/27/2020	Service Provider	District 2	Tracy	Mike	<p>AMD 1 02-27-20: NO COST AMENDMENT TO ADD SERVICES REQUIRED TO OBTAIN THE ELEVATOR RELATED EQUIPMENT OPERATING PERMIT. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED.</p> <p>06-10-2019: ELEVATOR MAINTENANCE AT THE DEPARTMENT ADMINISTRATION BUILDING, LOCATED AT 310 GALLETTI WAY, SPARKS, NEVADA TO PROVIDE UNINTERRUPTED OPERATION AND SAFETY FOR ALL USERS AND PREPARATION OF ALL REQUIRED DOCUMENTATION FOR ANNUAL OPERATING PERMITS, WASHOE COUNTY. NV B/L#: NVF19441000038-Q</p>
78	41319	01	THE NARWHAL GROUP	INTELLIGENT TRANSPORTATION SYSTEM (ITS) MAINTENANCE	N	\$2,525,000.00	-	-	\$2,525,000.00	-	08/19/2019	12/31/2023	1/31/2020	Service Provider	Traffic Operations	Darin	Denise	<p>AMD 1 01-31-20: NO COST AMENDMENT TO CHANGE AGREEMENT FROM A MASTER AGREEMENT WITH TASK ORDERS TO A SERVICE AGREEMENT BY REMOVING ALL TASK ORDER LANGUAGE TO ALLOW DISTRICT 3 TO ADMINISTER USING WORK ORDERS. ADDITIONAL TIME AND FUNDING ARE NOT ANTICIPATED.</p> <p>08-19-19: ON-CALL MAINTENANCE AND REPAIR OF INTELLIGENT TRANSPORTATION SYSTEM (ITS) DEVICES IN DISTRICT 3, ELKO, HUMBOLDT, PERSHING, CHURCHILL, LANDER, EUREKA, WHITE PINE, AND NYE COUNTIES. NV B/L#: NVD20131182395-R</p>



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MEMORANDUM

April 2, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM #10: Consideration of Approval of Nevada Department of Transportation Performance Management Measures and Targets—*For possible action.*

Summary:

The Department prepares a Performance Management Report each year and submits it to the State Transportation Board of Directors and the Director of the Legislative Counsel Bureau (LCB) for transmittal to the Interim Finance Committee. The Department currently tracks and reports on 15 measures, many of which have not been updated in several years. Over the past several months, the Department has reviewed the measures and evaluated the effectiveness of the current measures on guiding decision making. Based on tracking performance trends and evaluating performance measures, some current performance measures do not contribute to improving the business process they were intended to, are less effective in helping the Department achieve its overall goals, or are overly complicated and difficult to communicate. As a result, the Department is proposing changing those performance measures as well as establishing new performance measures for priorities of the Department and the State that are not currently being measured.

Background:

NRS 408.133 requires that the Transportation Board of Directors adopt a plan for measuring the performance of the Department and include performance measures to meet the goals and objectives of the Department. It also requires that the Director, not later than December 31 of each year, prepare a report on the level of achievement of the Department in meeting goals and objectives identified in the plan.

MEMORANDUM

Department of Transportation Board of Directors

April 2, 2020

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NDOT's performance management plays a vital role in the performance-based decision-making process by:

- ensuring investment accountability and transparency.
- tracking and monitoring system performance.
- helping to identify and implement efficient and cost-effective performance-based programs.
- linking projects to the vision, mission, and goals of the department.
- helping to align performance targets with customer expectations.
- helping to deliver high quality projects.

As such, effective and meaningful performance measures are critically important.

Analysis:

The Department has identified measures that are not effective in their current form and will be providing the Board information on those measures as well as potential improvements to meet the intent of those measures. Current and proposed changes are contained in the attached spreadsheet.

Recommendation for Board Action:

Approval of recommended changes to NDOT's Annual Performance Measures and Targets

List of Attachments:

Current and Proposed changes Annual Performance Measures and Targets

Prepared by:

Peter Aiyuk, Chief Performance Analysis Engineer

Sondra Rosenberg, Assistant Director, Planning

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Current Performance Measures (NDOT - Legislative Report)		Target	Proposed changes	Notes/Fiscal Impact
PM1	Reduce Work Place Accidents <i>Reduce the rate of injuries/illness</i> <i>Reduce the severity rate of injuries/illness</i>	2% annually 2% annually	No change proposed	
PM2	Provide Employee Training <i>Percentage of employees trained</i>	87% compliance	No change proposed	
PM3	Improve Employee Satisfaction <i>Percentage of employees satisfied with NDOT</i>	75% annually	No change proposed	
PM4	Streamline Agreement Process <i>Percentage agreements processed within 30 days</i>	90% annually	Change to Percentage Agreements Processed within 20 days	Current average 9 days.
PM5	Improve Customer and Public Outreach <i>Percent customer satisfaction level</i>	75% satisfaction	No change proposed	
PM6	Reduce and Maintain Traffic Congestion <i>Percent reliable person-miles traveled on Nevada interstate</i> <i>Percent reliable person-miles traveled on Nevada non-interstate</i> <i>Annual hours of peak-hour excessive delay (urban area)</i> <i>Percent of non-single occupancy vehicle travel (urban area)</i>	86.8% or greater 65% or greater 12 hrs. or less 21.3% or greater	Improve travel reliability & reduce delay	Name change to reflect current measurements and focus.
PM7	Streamline Project Delivery - Bidding to Construction <i>Percent projects completed within 10% of programed budget</i> <i>Percent of projects completed within 10% of agreed working days</i> <i>Percent projects completed with cost increase less than 3% change order</i>	80% annually 80% annually 80% annually	No change recommended	
PM8	Maintain State Highway Pavement <i>Maintain state roadways at "Fair or Better" condition</i> <i>Category 1</i> <i>Category 2</i> <i>Category 3</i> <i>Category 4</i> <i>Category 5</i>	95% 95% 95% 95% 95%	Propose 95% 90% 85% 75% 50%	These goals are similar to current average roadway condition, with a change in approach to focus on highest level roadways (interstates) at highest condition, and accept a lower level of condition for lower level roadways. Meeting these goals will require an additional investment of ~ \$120 M per year over current spending. Meeting previously set target (95% of ALL roads "fair or better") would require almost \$200 M per year over current spending levels.
PM9	Maintain NDOT Fleet <i>Decrease the percentage of mobile equipment in need of replacement</i> <i>Increase the percentage of fleet in compliance with condition criteria</i>	1% annually 1% annually	Propose changing the calculation method from cumulative to year to year	
PM10	Maintain NDOT Facilities <i>Increase the percentage of facility assessments & priority facilities work</i>	2% annually	No change proposed	
PM11	Emergency Management, Security & Continuation Operations <i>Percentage of Emergency Management plans implemented</i>	100% annually	No change proposed	
PM12	Reduce Fatal & Serious Traffic Crashes <i>Reduce the projected five-year avg. of traffic fatalities</i> <i>Reduce the projected five-year avg. of serious traffic injuries</i> <i>Reduce the projected five-year rate of traffic fatalities</i> <i>Reduce the projected five-year rate of serious traffic injuries</i> <i>Reduce the projected five-year avg. of non-motorized fatalities & serious inj.</i>	1 or more 1 or more .01 or more .19 or more 1 or more	Reduce the five-year rolling avg. of traffic fatalities Reduce the five-year rolling avg. of serious traffic injuries Reduce the five-year rolling avg. rate of traffic fatalities Reduce the five-year rolling avg. rate of serious traffic injuries Reduce the five-year avg. of non-motorized fatalities & serious inj.	Target set in Strategic Highway Safety Plan is 50% of 2008 numbers (baseline) by 2030 and ultimately zero by 2050. Annual reduction is calculated based on the most recent trendline and reduction needed in order to reach the 2008 numbers. By using the 5 year rolling average, it smooths out the unusually high or low years to focus on overall downward trend. The proposed change is to simplify the language and focus on the annual achievement towards the 2030 goal.
PM13	Project Delivery - Schedule and Estimate for Bid Advertisement <i>Percentage of projects advertised within the reporting year</i> <i>Percentage of advertised & awarded projects within established cost estimate</i>	80% annually 80% annually	Keep measure, but add to analysis	Add explanation about projects that are outside of the schedule and cost goals.
PM14	Maintain State Bridges <i>Replace or rehabilitate the number of SD or FO state owned bridges</i>	1 or more annually	Propose changing the performance measure to percentages of the bridge inventory considered to be in "Good" or "Poor" condition (> 35% and < 7%, respectively)	As part of the NDOT Transportation Asset Management Plan (TAMP), the Department has established performance goals related to the overall condition of the State's bridge inventory. These performance targets include maintaining an inventory that has greater than 35% of bridges in good condition and less than 7% in poor condition.
PM15	Streamline Permitting Process <i>Percentage encroachment permits processed within 45 days</i>	95% annually	No change proposed	
PM XX	GHG reduction <i>Greenhouse Gas Emission Reduction</i>		Reduction in GHG emissions from transportation sector as reported in Annual Inventory Report	Goal of 45% reduction by 2030 based on SB 254 and Governor's E.O. NDOT is currently working with DCNR and NGOE on strategies and better measures of transportation sector GHG emissions. More specifics will be added as available as well as fiscal implications.



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MEMORANDUM

April 3, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM #11: Provide an Overview of One Nevada Project Prioritization Process – Informational item only.

Summary:

The One Nevada Transportation Plan was adopted in late 2018. This plan provides a foundation and policy framework for making more informed, transparent and responsive transportation investment decisions. The Department is now working on implementing that plan by developing a prioritization process using a data driven process to prioritize projects in NDOT's planning documents based on the goals established in the One Nevada Transportation Plan. The purpose of the agenda item is to provide a status update to the Transportation Board of Directors on the progress of the One Nevada Transportation Project Prioritization Process. In particular, this item will provide an overview of the proposed process for establishing the 2021 Annual Work Program and the 2021—2024 Statewide Transportation Implementation Plan (STIP) for information, discussion, and direction.

Background:

MAP-21 and the subsequent FAST Act Transportation Authorization bills require performance-based planning and programming including performance measures and targets in specific areas. The Department reports on various performance measures to meet federal and state requirements, including, but not limited to those outlined in MAP-21 and presented under Item #10 in this board agenda. These measures and the targets are intended to inform decision making on future investments. The Department created a new statewide transportation plan in 2018 (the One Nevada Transportation Plan) that set the foundation for a robust performance based, data-driven process and established six goal areas. The Department is now developing a process to integrate goals, measures and targets, into decision support tools to allow the agency and the board to have more robust information on the relative benefits of projects and programs.

MEMORANDUM

Department of Transportation Board of Directors

April 3, 2020

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In the process of developing the plan, NDOT conducted surveys, held multiple workshops, and engaged a diverse Steering Committee (the Transportation Planning Advisory Committee, TPAC) as well as technical assistance from the Metropolitan Planning Organizations (MPOs: Regional Transportation Commissions of Southern Nevada and Washoe, Tahoe Regional Planning Agency, and Carson Area MPO) and multiple NDOT divisions to ensure the process and plan were being developed to include the transportation needs of the entire state. The current phase of process development and implementation has been more inward focused to identify criteria to measure the established goals while considering data availability. The implementation team has worked across the Department's divisions and program areas to establish a preliminary process and criteria for prioritization while identifying areas of improvement for future iterations.

Although the process has been more internally focused, the MPOs have been updated regularly and provided the opportunity to provide feedback as the process has been developed. These partner agencies have indicated broad support for the proposed process and will continue to be engaged and additional improvements are made in future iterations.

Analysis: N/A

List of Attachment(s): N/A

Recommendation for Board Action:

For information only. Feedback and guidance on proposed process is encouraged.

Prepared by:

Sondra Rosenberg, Assistant Director, Planning



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MEMORANDUM

April 1, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: April 13, 2020 | Transportation Board of Directors Meeting

ITEM #12: Provide an Overview of Project Labor Agreements—*Informational item only.*

Summary:

This agenda item is intended to provide an overview of Project Labor Agreements and how they may be utilized on future Nevada Department of Transportation contracts.

Background:

The Department currently does not have a policy regarding Project Labor Agreements. This presentation will provide State and Federal regulations regarding Project Labor Agreements and current Department requirements and policies.

Analysis:

The Department would like to present options for the Board's consideration, with the anticipation of discussion and approval of policy in the April 2020 Board Meeting.

List of Attachment(s): None.

Recommendation for Board Action:

None. For information only.

Prepared by:

Teresa Schlaffer, Contract Compliance Manager