



AGENDA

Per Governor Sisolak's March 22, 2020 emergency directive, as extended, in-person public attendance is no longer required at the Regular Meeting of the Nevada Department of Transportation Board of Directors meeting on Monday, January 11, 2021 at 9:30 A.M. Governor Sisolak's March 22, 2020 emergency directive, as extended, 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 January 11, 2021 meeting without having to be physically present:

- use NDOT's online: [Public Comment Form](#)
- email: PublicComment@dot.nv.gov

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

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

- phone: a.) dial: +1 (888) 240-2560 (US Toll Free)
b.) enter the Meeting ID: 721627755 followed by #
c.) enter the Passcode: 4369 followed by #

To provide public comment live via phone, please dial the information above between 9:05 A.M. and 9:15 A.M. on the day of the meeting. The meeting technician will unmute your call, ask your name, and confirm which public comment period you would like to provide comment. Your microphone will remain muted until the meeting technician calls upon you during the public comment period. Public comment is limited to 3 minutes in duration. After you provide comment, you may simply hang up the phone to disconnect the call and leave the meeting.

If you decide to make public comment while the meeting is in process, please dial the telephone number and Meeting ID and Passcode listed above. The meeting technician will call upon you



during the second comment period by the last 4 digits of your phone number, assuming it is displayed.

Please note, the phone is a live feed into the meeting. If you are simultaneously watching the meeting online while on the phone, there is a significant delay between the two. Please be sure to listen on the phone for your opportunity to comment. Also, to avoid audio feedback, it is important that the volume is turned down on your web device (PC, tablet smartphone) to avoid audio feedback. If undesired noise is heard, you may be muted or disconnected from the meeting.

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

1. Welcome / Call to Order/ Roll Call
Governor Steve Sisolak, Lieutenant Governor Kate Marshall, Controller Catherine Byrne, Virginia Valentine, Justin Kalb, 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 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 408.016(4).—*For possible action.*
4. Consideration of Approval of the December 14, 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 Agreements over \$300,000—*For possible action.*
7. 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.*
8. Nevada Department of Transportation 2020 Annual Report—*Informational item only.*
9. 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.
10. 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 publi14c pursuant to NRS 241.015(3)(b)(2) in order to discuss legal matters.)—*For possible action.*

11. Adjournment—*For possible action.*

NOTES:

- Items on the agenda may be taken out of order.
- The Board may combine two or more agenda items for consideration.
- The Board may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.
- The Board will limit 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 Directive 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
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MEMORANDUM

December 30, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: January 11, 2021 | 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 Location: Live streamed via Blue Jeans in accordance with Governor Sisolak's March 22, 2020 emergency directive which suspends the requirements that there must be a physical location designated for meetings of public body where members of the public are permitted to attend and participate in-person so long as participation is available.

1. Welcome/Call to Order/Roll Call

Governor Sisolak called the meeting to order on Monday, December 14, 2020. A roll call was conducted, and a quorum was established.

Present: Governor Steve Sisolak, Lt. Governor Kate Marshall, Controller Catherine Byrne, Member Virginia Valentine, Member Justin Kalb, Member Stephen Ascuaga.

2. Public Comment #1

There were no public comments regarding items on the agenda.

3. Consideration of Approval of the November 9, 2020 Nevada Department of Transportation Board of Directors Meeting Minutes. (For Possible Action)

There were no corrections or changes in the Minutes.

Motion: Approve Agenda Item 3 Consideration of Approval of the November 9, 2020 Nevada Department of Transportation Board of Directors Meeting Minutes (For Possible Action)

By: Member Justin Kalb

Vote: Passed unanimously



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4. Receive Director's Report (Informational Item)

Director Swallow began the director's report with a discussion on safety and indicated to the Board that this safety report is tougher than reports she has presented in the past. The previous Thursday, Director Swallow explained, was the deadliest day on Nevada roads in 2020. Five cyclists were killed on US 95 between Boulder City and Searchlight by a box truck. Three additional riders were injured, two of whom were transported to the hospital, and a third who declined treatment. The cyclists were part of a group riding from Las Vegas and totaled approximately 20 altogether. The cyclists were trailed by a safety vehicle. Some of the riders moved behind the safety vehicle and were hit and pinned to the safety escort from behind by the box truck. The safety escort vehicle was pushed into the riders in the front. Four male and one female riders were pronounced dead at the scene. The driver of the box truck remained on-scene and was not found to be impaired. Director Swallow informed the Board that this was only one of three deadly crashes in Clark County on that day. At 2:00 a.m. on the day in question, a 17-year-old impaired driver was speeding in a car with three other adolescents. The driver failed to stop at an intersection where traffic was stopped and struck another vehicle containing three occupants. A 57-year-old woman in the second vehicle died. At 11:37 a.m. that same morning, a Honda Accord failed to yield to an oncoming motorcycle at a flashing yellow light at Sahara and Monte Cristo when making a u-turn, and caused the motorcycle to hit the side of the vehicle, ejecting the rider, who then struck a sign post and became the seventh casualty of the day. No impairment was suspected.

Director Swallow informed the Board that NDOT strives to attain safety and works with partner agencies to make safety improvements on the roadways guided by the five "Es" of traffic safety, the first of which is Engineering and is focused on improving the safety of the transportation infrastructure by creating road environments that are safe and suitable for all user types. Director Swallow explained that NDOT is doing what they can regarding safety but that the majority of state fatalities happen on local roads. Therefore, Director Swallow encouraged all agencies to work with NDOT in making the roads safe for each person on the road, including, bikers, pedestrians, those with accessibility challenges, and drivers. Director Swallow reported that 278 lives have been lost on Nevada roadways in 2020 and the number is continuing to climb. Director Swallow reminded the Board that it is in the hands of everyone to keep the holidays safe for each other.

Governor Sisolak interjected that every member of the Board concurred with Director Swallow's reminder.



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Director Swallow informed the Board that each month, NDOT is monitoring traffic during the COVID pandemic. NDOT does not yet have a December update for Elko, but due to the increasing surge in cases, traffic volumes have lowered but not to the levels at which they were in the beginning of the pandemic. Traffic on I-15 from Los Angeles to Las Vegas was down approximately 20 percent during the long Thanksgiving weekend as compared to 2019 and also down east of Las Vegas and north on I-15, but not to such a great extent. Director Swallow indicated that delivery drivers and truckers are still working to maintain supply chains and so truck traffic remains strong, comparable to 2019 levels in many locations. Director Swallow informed the Board that with winter weather approaching, snow and high winds have the most notable effect on traffic volumes, particularly in northern Nevada and as such, NDOT anticipates numbers to shift accordingly to reflect winter traffic.

Director Swallow acknowledged that NDOT has had questions regarding what traffic volumes mean to NDOT's financial status. Director Swallow reminded the Board that fuel-tax collection data lags by two months, so the latest statistics she has are from September. Statewide fuel-tax collections were down almost 40 percent in April compared with 2019 and that increased to 20 percent in May, and then to 5.6 percent in June. In September, the fuel-tax collection had increased to only 2.7 percent less than September of 2019. Director Swallow explained that this compares to a ten-to-20 percent reduction in travel volume in September, indicating that fuel-tax collections are not trending as poorly as travel volume.

Director Swallow informed the Board that projects approved in October and November represent 1,075 job years and that there are 375 job years on today's agenda, for a total of 1,450 if all items are approved.

As a follow-up to the November Board meeting and in response to a question raised by the lieutenant governor in that meeting, Director Swallow informed the Board that there is currently no funding identified for a potential State Route 227 shared-use path connecting Spring Creek and Elko. Director Swallow further explained that NDOT does remain dedicated to coordinating with stakeholders and fellow Nevadans to prioritize motorized and non-motorized transportation improvements across the state. There is currently a utility project under construction along a segment of State Route 227 that is being constructed in a state road right-of-way to an NDOT permit but not associated with any current or future road improvement project. Director Swallow informed the Board that NDOT recognizes the strong community interest in a potential future multi-use path connection on State Route 227 in Elko County and has laid the groundwork for community supporters to pursue funding and construction of a potential path through the Nevada statewide bicycle plan, which was created with coordination and input from stakeholders and community members. The plan outlines multimodal



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opportunities across the state but does not provide dedicated funding for any path or other multimodal proposal. Director Swallow informed the Board that simply including any of the routes on the approved county bicycle plan makes the local community eligible for state and/or federal funding should funding become available. NDOT has met with Leslie Creel, the trail advocate who commented at the November Board meeting and committed to doing some initial scoping of the facility recommended in the county bike plan to better understand the project needs and provide an initial cost estimate. NDOT anticipates finishing initial scoping and providing an initial cost estimate in spring of 2021.

For her final comment, Director Swallow thanked the Board for all their work and accommodations throughout 2020 and the changes brought on by the pandemic. Director Swallow thanked the Board for the patience it has extended to the NDOT team in the transition to a virtual environment as well as for the work it does to help ensure transparency and deliver equitable and sustainable transportation for the state.

Governor Sisolak thanked Director Swallow for her and her department's hard work in keeping Nevada's roadways as safe as possible for all residents.

Lieutenant Governor Kate Marshall asked Director Swallow to follow up on a development on McCarran near Lakeside in Reno. The issue at hand apparently involves a state road, which exits onto McCarran. The lieutenant governor acknowledged that there is very little room for NDOT to provide any check and balance regarding this issue but asked Director Swallow to provide an explanation of how NDOT is impacted and how safety might be affected going forward in cases like this, where NDOT is unable to respond due to issues of eminent domain.

Director Swallow responded that NDOT will look into this issue and provide an update when one becomes available.



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5. Approval Agreements over \$5,000,000 (For Possible Action)

Director Swallow informed the Board that there is one contract for consideration on today's agenda, a project to upgrade the Las Vegas maintenance station. The project includes fuel system upgrades, reconfiguring entrances to help with security, upgrading storm drainage facility to comply with storm-water EPA regulations, and improving the overall safety of the station. The low bidder for this project is CG&B Enterprises.

Motion: Approve Agenda Item 5 Approval Agreements over \$5,000,000 (For Possible Action)

By: Member Virginia Valentine

Vote: Passed unanimously

6. Consideration of Approval of Agreements of \$300,000 (For Possible Action)

Director Swallow informed the Board that there is one contract for consideration on today's agenda, to provide construction crew augmentation for the Centennial Bowl 3D project beginning on January 4th. The recommended consultant is C A Group.

Member Justin Kalb commented that the contract itself is for approximately \$11 million and the total project is for roughly \$183 million. The contract is for third-party testing and the 11 million comes to approximately six percent of the total contract cost. Mr. Kalb informed the Board that there were actually two bids on this project, not just the one, and per NRS and per federal law, price is not included in the qualification negotiations. Mr. Kalb commented that NDOT did follow all laws regarding this project but expressed concern that price was not part of the consideration for a contract.

Governor Sisolak asked Director Swallow why price is not a factor when considering a bid for a project.

Director Swallow explained that when selecting design professionals to help with oversight of a project, NDOT is limited by the Federal Brooks Act and NRS to do qualifications-based selection and then once the consultant is selected, NDOT can then enter into negotiations. Director Swallow further explained that once in negotiations, if an agreement cannot be reached on price, NDOT can then go to other bids and proposers. In



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this particular case, NDOT was able to negotiate a fair price with the chosen contractor and did not need to look to other bidders.

Member Justin Kalb questioned if federal and state guidelines prohibit negotiation of price with more than one bidder and expressed concern that current market changes can alter price dramatically.

Director Swallow reiterated the fact that NDOT is only allowed to select based on qualifications and is therefore not allowed to use the price of two different bidders.

Governor Sisolak questioned whether or not this leaves the state in a weaker position given that the contractor is chosen prior to price negotiation.

Director Swallow conceded that in negotiation tactics, this might leave the state in a weaker position but informed the Board that NDOT has a long history and experience with these types of projects and this is not the first time that construction crew augmentation has been done in the Las Vegas valley. Director Swallow pointed out that the consultants are aware of the broad-based experience NDOT has with these negotiations and opined her belief that this does not give the contractor an unfair advantage.

Member Virginia Valentine commented that the rationale behind this is called quality-based selection and indicated that this methodology primarily provides for the most qualified bidder to undertake a project versus the lowest bidder, thus theoretically providing the best quality of work rather than the cheapest price. Ms. Valentine reiterated Director Swallow's point that if negotiations are not successful with the top-rated firm, there is no obligation to remain with that firm and negotiations can begin with another bidder.

Member Justin Kalb commented his understanding that this process is consistent with law and therefore can likely not be changed but did reiterate his concern that cost cannot be factored into the decision-making process until a bidder has been selected and negotiations begin.

Governor Sisolak asked Director Swallow if any contractors have been rejected due to the inability to reach a cost agreement.



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Director Swallow informed the Board that she did not have that information handy but would come back to the Board with a response once she had one.

Motion: Approve Agenda Item 6 Consideration of Approval of Agreements of \$300,000 (For Possible Action)
By: Lieutenant Governor Kate Marshall
Vote: Passed unanimously

7. Contracts, Agreements, and Settlements (Informational Item Only)

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.

Director Swallow informed the Board that these are contracts, agreements and settlements that were approved pursuant to the delegated authority from the Board last month, and that this is an information item only.

There were no questions from members of the Board.



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8. **Consideration of Approval for a Resolution of Abandonment of a Portion of Sky Pointe Drive between Kyle Canyon Road and Sky Canyon Park Drive, along US-95, in the City of Las Vegas, County of Clark, State of Nevada (For Possible Action)**

Director Swallow informed the Board that the piece of property in question is an easement that NDOT held with BLM. BLM has since sold the land to a developer who intends to develop the property. Following evaluation of transportation needs as well as working with the city and other local stakeholders, NDOT has determined that the property can be abandoned at this time and seeks the approval of the Board to do so.

Governor Sisolak asked if the state had paid for the easement.

Director Swallow explained that there was no money exchanged for the easement.

Motion: Approve Agenda Item 9 Consideration of Approval for a Resolution of Abandonment of a Portion of Sky Pointe Drive between Kyle Canyon Road and Sky Canyon Park Drive, along US-95, in the City of Las Vegas, County of Clark, State of Nevada (For Possible Action)

By: Member Virginia Valentine

Vote: Passed unanimously

9. **Consideration of Approval for disposal by public auction, a parcel of land, on the north side of Blue Diamond Rd., east of South Jones Blvd., in the County of Clark, State of Nevada (For Possible Action)**

Director Swallow informed the Board that NDOT has received a request to sell this 2.8-acre piece of property. The property in question is a remnant parcel of a piece of land purchased in 2007 for \$2.5 million. The remnant under consideration is landlocked and has two adjacent property owners. The remnant is available to surplus and therefore must go to public auction. The value has been determined at 820,000 and opening bids would begin at 90 percent of that value.

Governor Sisolak commented that when he was in the county, the parcel was never landlocked.

Director Swallow explained that when the land was purchased, it was a much larger parcel intended for creation of infrastructure improvements at Blue Diamond at the time but that there was not a way to provide access



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and also have the necessary improvements. Director Swallow reiterated the fact that the parcel is more than two acres and a good piece of land to sell but would be best utilized by the two adjacent property owners.

Lieutenant Governor Kate Marshall requested that Director Swallow return to the Board in the future regarding this item and the next two items on the agenda with an explanation as to whether or not there's any flexibility, if only a single bidder is identified, in not going to public auction in the interest of the parcel being sold at full sale price versus at the ten-percent discount a single bidder would receive at auction if the bidding begins at 90 percent of the sale price.

Director Swallow responded that she could certainly revisit this topic with more information in the future, and explained that with this particular piece of property, because there are two adjacent property owners, NRS requires that the property go to public auction rather than direct sale and that it is NRS who sets the 90-percent value. Director Swallow also reminded the Board that the previous year, NDOT presented some additional information regarding direct sale versus public auction that indicated that public auction is not always successful, but explained that in these cases, somebody requested purchase and the state does not have a need for the parcel of land in question.

Governor Sisolak asked where the money goes.

Director Swallow responded that the money goes to either the highway trust fund or the state highway fund.

Motion: Approve Agenda Item 9 Consideration of Approval for disposal by public auction, a parcel of land, on the north side of Blue Diamond Rd., east of South Jones Blvd., in the County of Clark, State of Nevada (For Possible Action)

By: Member Justin Kalb

Vote: Passed unanimously

10. Consideration of Approval for disposal by public auction, a parcel of land east of I-580 between Huffaker Ln. and Green Acres Drive in the County of Washoe, State of Nevada (For Possible Action)

Director Swallow explained that this is an 80,500 square-foot parcel of vacant land that was initially purchased in 1987 as part of the I-5808 improvements. This was part of a larger purchase totaling \$2.2 million. This land is adjacent to two properties, both owned by the same property owner, making it eligible for direct



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sale. Director Swallow explained that if the Board opted for direct sale, that could not be decided at this meeting and would need to be reposted as a future meeting agenda item. NDOT recommends the land go to public auction. The fair market value has been established at \$320,000 and would open at auction at 90 percent of that value.

Lieutenant Governor Kate Marshall questioned if there would be only a single bidder for this parcel.

Director Swallow indicated that will likely be the case as there is only one owner of the two adjacent properties.

Lieutenant Governor Kate Marshall requested Governor Sisolak's input on this matter, stating that she would hate to see the state lose ten percent of the value if the parcel were to go to auction with only the one bidder.

Governor Sisolak asked if the parcel was landlocked.

Director Swallow indicated that it is landlocked and is at the back of the property.

Governor Sisolak expressed his concern over the landlocked property, indicating that at the county, a piece of property could never be landlocked as this would make it unusable for the owner.

Director Swallow confirmed that Governor Sisolak was correct regarding the usability of the property if an outside party who did not own the adjacent land purchased it. Director Swallow indicated that when purchasing property, if the project results in the land locking of a parcel, the state then needs to purchase the entire parcel, which is how the state ends up owning and maintaining these pieces of land. Director Swallow indicated that this is how the state ends up stuck with an unusable parcel.

Governor Sisolak requested that Dennis Gallagher, Counsel for the Board, who was on the phone, explain to the Board how the state can land lock a parcel and make it virtually non-saleable except to adjacent property owners.

Dennis Gallagher explained that this happens when a much larger parcel is originally acquired and then only sections of the parcel are used for NDOT projects. As a result, there are stand-alone remainders of land based on the way the NDOT project for which the land was acquired was constructed. Dennis Gallagher explained that NDOT could continue to hold the land indefinitely and not use it or, in a case like this, where the adjacent



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property owner(s) may have an interest in acquisition of the land, the department can then explore the route of a sale.

Member Stephen Ascuaga indicated that this particular parcel appears to have access via a public street on the northern side via Green Acres.

Director Swallow concurred that this appears to be correct and that she had not recognized that.

Member Stephen Ascuaga indicated that 90 percent of the appraised cost might be good for the state given the limited number of potential buyers and questioned if the parcel went up for direct purchase rather than to auction, couldn't the property owner purchase the property at 50 percent of the appraised cost and then have the state deny it.

Director Swallow indicated that if the parcel is sold as a direct sale, it needs to be sold at fair market value, but if it goes to auction, it can be put at 90 percent of the appraisal value.

Governor Sisolak agreed with Lieutenant Governor Marshall that giving up ten percent of the value was not ideal but indicated that 90 percent was better than zero percent. The governor again expressed his concern regarding the land locking of parcels that renders them essentially unusable except for the adjacent property owners and requested a one-page white paper explaining how this happens. Governor Sisolak then indicated that unless the lieutenant governor feels strongly one way or another regarding the issue, he would like to move forward with it.

Lieutenant Governor Kate Marshall opted to follow the governor's recommendation, which was to go to auction rather than direct sale.

Motion: Approve Agenda Item 10 Consideration of Approval for disposal by public auction, a parcel of land east of I-580 between Huffaker Ln. and Green Acres Drive in the County of Washoe, State of Nevada (For Possible Action)

By: Lieutenant Governor Kate Marshall

Vote: Passed unanimously



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11. Consideration of Approval for disposal by public auction, a parcel of land in the northeast quadrant of Interstate 80 and I-95 (W. Winnemucca Blvd) in the City of Winnemucca, County of Humboldt, State of Nevada (For Possible Action)

Director Swallow informed the Board that this particular parcel is located in the city of Winnemucca and is approximately 4,500 square feet. It was initially purchased as part of a larger parcel in 1977 for a total purchase price of \$220,000. The Winnemucca Hotel is currently leasing the parcel from the state in the amount of 3,424 per year. Fair market value of the property is \$27,000. Pursuant to prior Board direction, NDOT recommends auction of this parcel.

Lieutenant Governor Kate Marshall raised the same concern she had regarding the other items and the state potentially losing ten percent of the property value at auction. The lieutenant governor deferred to Governor Sisolak's direction on this item.

Governor Sisolak opted to vote the same way as in previous items, but informed Director Swallow that the issues of the 90-percent opening bid and the land locking of the parcels are ones he wants to investigate further as these issues are obviously having an impact.

Member Justin Kalb commented that if someone other than the hotel purchases this land, they would lose all the parking spots based on the fact that they don't meet the parking requirements.

Governor Sisolak asked the duration of the lease on the land.

Director Swallow responded that she believes the lease is renewed annually and asked Craig Reynoldson [, of NDOT,] if he knew the length of the lease.

Craig Reynoldson responded that he does not know the remainder of what's left on the lease but can find out for the Board.

Governor Sisolak asked Craig Reynoldson if the Board's analysis that if the hotel did not purchase this parcel they would lose usability of their own land due to parking issues was correct.

Craig Reynoldson replied that he does not know the answer to that question.



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Deputy Director Tracy Larkin interjected that the parking that is under lease cannot fulfill the parking requirements for the building so while this parcel of land will provide additional parking, that parking is not allowed to be part of the code for the building.

Lieutenant Governor Kate Marshall expressed her concern that with a ten-percent discount, the public is subsidizing a private entity with dollars meant for public use. The lieutenant governor expressed her concern regarding the fact that highways and roads are underfunded, leading to safety concerns for the people in the state of Nevada, and opined that when the state does not have the funds to maintain its roads, it shouldn't be subsidizing individuals or corporations.

Governor Sisolak concurred with Lieutenant Governor Marshall's assessment of the situation and informed the Board that he himself is not a fan of appraisals as land is only worth what somebody is willing to pay for it and in order to truly get fair value, the pool of potential buyers needs to be expanded. The governor further expanded on the lieutenant governor's assessment by stating that the state is short of money and this is money that is not going to the highway fund because of the discount being given.

Director Swallow informed the Board that this parcel would qualify for direct sale but in order to move in that direction, the Board would need to vote against auction at today's meeting and the subject would need to be revisited the following month.

Governor Sisolak informed the lieutenant governor that he would be happy to entertain that option if she so chose.

Lieutenant Governor Kate Marshall opined that it would be unfair to change the rate for an entity planning to purchase this land. The lieutenant governor explained that she would like to have a better policy in place for such matters in the future.



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Governor Sisolak suggested that the Board move ahead with this particular parcel and suggested to Director Swallow that in the future, bring these approvals to the Board as a two-step process with the option of either direct sale or auction with approval at the subsequent meeting. Board members concurred with Governor Sisolak's suggestion.

Motion: Approve Agenda Item 11 Consideration of Approval for disposal by public auction, a parcel of land in the northeast quadrant of Interstate 80 and I-95 (W. Winnemucca Blvd) in the City of Winnemucca, County of Humboldt, State of Nevada (For Possible Action)

By: Lieutenant Governor Kate Marshall

Vote: Passed unanimously

12. Receive the 2021 Highway Preservation Report (For Possible Action)

Director Swallow explained that the report that has been submitted to the Board today is a draft that NDOT is required to provide to the legislature by February 1 of odd-numbered years. Director Swallow informed the Board that the draft has been provided to them now for the purpose of questions, comments, and/or concerns, which will still give NDOT the time to adjust the report prior to submittal. The major components of the report include payment preservation data and summaries, backlog needs, an action plan and the same on bridge preservation. This is the first report since the Board approved new targets earlier in the spring. Director Swallow reported that out of the five categories of roads, categories 2 through 5 have all seen improvement since the last report and category 1 is well above the threshold.

Lieutenant Governor Kate Marshall asked Director Swallow if she could provide an estimate of the impact on safety when talking about projected expenditures versus past expenditures, provide the potential job creation if the recommended money was spent, and inform the Board of the potential anticipated federal match.

Director Swallow agreed to provide that information in future meetings. Director Swallow noted that NDOT uses all available obligation authority on federal funding every year and frequently receives additional funding because of the opportunities they have. An increased investment in maintenance would not increase the ability to use federal funds, but Director Swallow informed the Board that NDOT can provide a more detailed analysis of opportunities and opportunity costs associated with the current funding of the preservation process.



Nevada Department of Transportation

Board of Directors • Meeting Minutes

December 14, 2020

9:30 A.M.

Lieutenant Governor Kate Marshall next questioned if the fuel taxes for the state highway fund are indexed in the way that they are for Clark and Washoe Counties.

Director Swallow explained that indexing only applies to sales in Clark County.

Ms. Felicia Denney confirmed that Director Swallow is correct regarding indexing.

Lieutenant Governor Kate Marshall asked what the impact of state indexing would be on people's financial situations and for the highway fund.

Director Swallow indicated that NDOT could certainly look into this and report back at a future time. Director Swallow further explained that the NDOT is working on an RFP that will be available in coming months to look at overall funding and funding opportunities of the system. In addition, Director Swallow reported that the indexing in Clark and Washoe Counties is outside of NDOT and the funds remain local; NDOT receives indexing just on the state tax in Clark County and nothing out of Washoe County.

Lieutenant Governor Kate Marshall indicated that she would be interested in the data reports since some communities appear to agree that indexing is a fair way of assessing things.

Governor Sisolak asked if the indexing that is done on the state portion in Clark County is spent in Clark County or spent statewide.

Director Swallow responded that it is spent in Clark County and gave the example of the Centennial Bowl Project, for which the indexing in Clark County was leveraged to help fund.

Motion: Approve Agenda Item 12 Receive the 2021 Highway Preservation Report (For Possible Action)
By: Controller Catherine Byrne
Vote: Passed unanimously



Nevada Department of Transportation

Board of Directors • Meeting Minutes

December 14, 2020

9:30 A.M.

13. Receive the Nevada Department of Transportation 2020 Performance Management Report (For Possible Action)

Director Swallow explained that the performance management report is completed annually and provided to the Board. The report is currently in draft form should the Board have any questions, comments, or concerns that need to be incorporated. Director Swallow explained that there are 16 performance measures that NDOT tracks and on which performance is reported. Director Swallow reminded the Board that some of the targets had been adjusted earlier in the year. In addition, a new measure for greenhouse gas emissions had been added but did not yet have a target as NDOT was still working in partnership with DCNR and the Governor's Office of Energy on baseline metrics. Director Swallow reported to the Board that of the 16 measures, nine met their annual performance target, three did not, and three partially met their target. Director Swallow noted that for the first time, the employee-satisfaction target was met. Director Swallow indicated that there likely will be no further recommendations for adjusting this coming year, but further adjustments may be suggested in future years as deemed appropriate by NDOT to better serve Nevada.

Controller Catherine Byrne expressed her appreciation for the reports provided by Director Swallow as the information in the reports is important to her for her financial reports. Ms. Byrne further discussed the comprehensive annual financial report that is on page 114 of the performance management report because it references some adjustments that come from the controller's office. Ms. Byrne, for the sake of transparency, wanted to inform the Board that the adjustments generally relate to timing of when invoices are posted or when cash receipts are received at the fund level and those adjustments are corrected in the subsequent year.

Motion: Approve Agenda Item 13 Receive the Nevada Department of Transportation 2020 Performance Management Report (For Possible Action)

By: Member Justin Kalb

Vote: Passed unanimously

14. Public Comment #2

There was no public comment.



Nevada Department of Transportation

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9:30 A.M.

15. Executive Session (For Possible Action)

There was no executive session.

16. Adjournment (For Possible Action)

Motion: Approve Agenda Item 16 adjournment for the December 14, 2020 Nevada Department of Transportation Board of Directors Meeting

By: Member Justin Kalb

Vote: Passed unanimously

DRAFT



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

MEMORANDUM

December 30, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: January 11, 2021 | Transportation Board of Directors Meeting

ITEM #6: Consideration of 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; and/or
- 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 November 13, 2020 through December 10, 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 November 13, 2020 through December 10, 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

MEMORANDUM
Department of Transportation Board of Directors
December 30, 2020
Page 2 of 2

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, November 13, 2020 through December 10, 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
November 13, 2020 through December 10, 2020

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total Amount of prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Dir. Office	Division Head	Notes
1	21920	00	HDR ENGINEERING, INC.	PRELIMINARY ENGINEERING SERVICES FOR THE RENO SPAGHETTI BOWL - PHASE 2	N	\$3,392,946.00	-	-	\$3,392,946.00	-	1/11/2021	4/29/2022	-	Service Provider	Project Management	Jeff	Nick	01-11-21: PERFORM ENGINEERING SUPPORT AND DEVELOP PREFERRED STRUCTURAL DESIGN ALTERNATIVE(S) TO CONSTRUCT RENO SPAGHETTI BOWL (RSB) PHASE 2, WHICH INCLUDES: RECONSTRUCTING I-80 FROM JUST EAST OF THE SPAGHETTI BOWL TO EAST MCCARREN BOULEVARD, REPLACING I-80 BRIDGE H-8666 OVER THE NUGGET CASINO, CONSTRUCTING A NEW INTERCHANGE AT KIETZKE LANE, AND RECONSTRUCTING THE ROCK BOULEVARD AND PYRAMID WAY INTERCHANGES, WASHOE COUNTY. NV B/L#: NVF19851010291-R PROPOSERS: ATKINS NORTH AMERICA, INC., HDR ENGINEERING, INC. AND JACOBS ENGINEERING GROUP, INC.
2	31020	00	HORROCKS ENGINEERS, INC.	SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES FOR US 50	N	\$1,398,640.00	-	-	\$1,398,640.00	-	1/11/2021	7/31/2022	-	Service Provider	Right-of-Way	Jeff	Craig	01-11-21: PERFORM SUBSURFACE UTILITY ENGINEERING (SUE) DESIGNATING SERVICES TO INDICATE THE APPROXIMATE HORIZONTAL LOCATION OF EXISTING BELOW GROUND AND ABOVE GROUND UTILITIES USING ASCE STANDARD 38-02 QUALITY LEVEL D, C AND B TO SUPPORT THE ENGINEERING DESIGN REQUIREMENTS AND CONSTRUCTION PLANS. QUALITY LEVEL D DESIGNATION WILL INCLUDE COMPILATION OF UTILITY INFORMATION PLOTTED ON DRAWINGS BASED ON RECORD INFORMATION, INDIVIDUAL RECOLLECTIONS, OR THE EXISTENCE OF UTILITY SERVICE(S). QUALITY LEVEL C DESIGNATION WILL INCLUDE FIELD VERIFIED SURVEY OF VISIBLE, ABOVE GROUND UTILITY FEATURES SUCH AS POLES, HYDRANTS, ETC. QUALITY LEVEL B DESIGNATION WILL INCLUDE REQUIRING CONTRACTOR TO EMPLOY APPROPRIATE GEOPHYSICAL EQUIPMENT TO SEARCH FOR SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS, BOTH VISIBLE AND NON-VISIBLE, DOUGLAS COUNTY. NV B/L#: NVF19991246016-R PROPOSERS: AZTEC ENGINEERING GROUP, HORROCKS ENGINEERS, INC., KCI TECHNOLOGIES, INC., T2 UES, INC., UTILITY MAPPING SERVICES, INC.
3	39020	00	HDR ENGINEERING, INC.	CREW AUGMENTATION FOR CONTRACT 3845	Y	\$1,732,892.00	-	-	\$1,732,892.00	-	1/11/2021	2/28/2022	-	Service Provider	Construction	Jeff	Sharon	01-11-21: AUGMENTATION OF CREW 904 FOR OVERSIGHT OF CONTRACT 3845, PROJECT NO. NHP-080-2(057), I-80 RYE PATCH 3R PROJECT AND PROJECT NO. SPFR-PE09(003), I-80 RYE PATCH FRONTAGE ROADS. THIS PROJECT CONSISTS OF COLD MILLING, PLACEMENT OF PLANTMIX BITUMINOUS SURFACE, AND OPEN GRADE, PERSHING COUNTY. NV B/L#: NVF19851010291-R PROPOSERS: HDR ENGINEERING, INC.
4	40519	02	WH CONSULTING, LLC	CONTRACT COMPLIANCE MONITORING	N	\$100,000.00	\$164,000	\$150,000.00	\$414,000.00	-	9/16/2019	7/31/2021	1/11/2021	Service Provider	Contract Compliance	Cole	Sonnie	AMD 2 01-11-21: EXTEND THE TERMINATION DATE FROM 03-31-21 TO 07-31-21 AND INCREASE AUTHORITY BY \$150,000.00 FROM \$264,000.00 TO \$414,000.00 FOR THE CONTINUATION OF COMPLIANCE MONITORING SERVICES. 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. 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
5	52620	00	MANDLI COMMUNICATIONS, INC.	ASSET DATA EXTRACTION	N	\$804,240.00	-	-	\$804,240.00	-	1/11/2021	9/15/2021	-	Service Provider	Roadway Systems	Sondra	Bob	01-11-21: PROCESSING OF APPROXIMATELY 10,644 LANE MILES OF ROADWAY DATA TO ESTABLISH AN ASSET INVENTORY FOR THE DEPARTMENT'S ASSET MANAGEMENT PROGRAM. THIS WILL INCLUDE LANE REPORTS, GUARDRAILS, RAILROAD CROSSINGS, AND VERTICAL AND HORIZONTAL CLEARANCE MEASUREMENTS BENEATH STRUCTURES. DELIVERABLES WILL INCLUDE AN UPDATED FILE WITH ALL ASSETS ASSIGNED TO THEIR APPROPRIATE ROUTES FOR EASY INTEGRATION INTO ROADVIEW EXPLORER. SHAPEFILES WILL ALSO BE PROVIDED FOR ALL POINT, LINEAR, AND POLYGONAL ASSETS, AND DATABASE FILES FOR ALL POINT, LINEAR, AND POLYGONAL ASSETS. TRAINING OF USERS ON METHODS FOR MANAGING AND UPDATING ASSET INVENTORY DATABASES, STATEWIDE. NV B/L#: NVF20121276171-S
6	53720 53820 53920	00	WOOD RODGERS, INC. KIMLEY-HORN AND ASSOCIATES, INC. GCW, INC.	CIVIL ENGINEERING AND RELATED PROFESSIONAL DESIGN SERVICES	N	\$2,500,000.00	-	-	\$2,500,000.00	-	1/11/2021	12/31/2022	-	Service Provider	Architecture	Darin	Anita	01-11-21: PROCURED UNDER RFP 607-19-056 TO SELECT THREE FIRMS TO PROVIDE ON-CALL CIVIL SERVICES AND RELATED PROFESSIONAL DESIGN SERVICES FOR VARIOUS DEPARTMENT FACILITIES. THIS INCLUDES FULL PLANS AND SPECIFICATIONS FOR THE DEPARTMENT FACILITIES AND SITES WITH RESPECT TO ENGINEERING AND DESIGN FOR CIVIL, STRUCTURAL, MECHANICAL, GEOTECHNICAL, ELECTRICAL, ENVIRONMENTAL, HYDRAULIC (DRAINAGE), LANDSCAPE ARCHITECTURE, AND CONSTRUCTION PROJECTS, STATEWIDE. NV B/L#: NVF20031304987, NVF19911015458, NV19721004148-R PROPOSERS: WOOD RODGERS, INC., KIMLEY-HORN AND ASSOCIATES, INC., GCW, INC., CARDNO, INC., CFA, INC., LUMOS AND ASSOCIATES, POGGEMEYER DESIGN GROUP, STANTEC CONSULTING SERVICES, INC., TANEY ENGINEERING, INC., ZENITH ENGINEERING, LLC

Line Item 1

219-20-015

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): NONE

Type of Services: Consultant Services for preliminary engineering of Reno Spaghetti Bowl – Phase 2

DS
NJ

Originated by: Amanda Callegari Division: Project Mgmt Date Originated: 05/12/2020

DS
MJ

Division Head/District Engineer: Nick Johnson

Budget Category #: 466006 Object #: 814D Organization #: C015

Type of Funding: State % of Fund: 100 State Fiscal Year(s): 2021 and 2022

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$4,500,000

Funding Notes: We will spend approximately \$2.5M in FY2021 and \$2M in FY2022

Financial Management:

DocuSigned by:

Donna Spelts
6ABC3985622490...
Signature

05/13/2020
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
9E9E10973C1B46E...
Signature

05/13/2020
Date

Director:

DocuSigned by:

Kristina L. Swallow
C4B612FC2C1E4EB...
Signature

05/13/2020
Date

219-20-015

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 purpose of this procurement is to obtain engineering support for the 30% design of Phase 2 of the Reno Spaghetti Bowl Project, including: reconstructing I-80 from just east of the Spaghetti Bowl to East McCarren Boulevard; replacing I-80 Bridge H-8666 E/W over the Nugget Casino; constructing a new interchange at Kietzke Lane; reconstructing the Rock Boulevard and Pyramid Way Interchanges. This study will also include an in-depth analysis and study of the bridge type selection, constructability, risks and challenges, and costs to replace the structures over the Nugget Casino. The preliminary analysis and alternative structures feasibility study will supply the Department with a foundation for this complex project, saving imminent time and expenses. The PM Division is requesting authorization to solicit consultant support services and budget approval.

Scope of Services:

The scope of services will include, but may not be limited to: project management; preliminary design and engineering services; right-of-way utilities; bridge alternatives and feasibility study; construction impact analysis and phasing options; and geotechnical investigation for Phase 2 of the Reno Spaghetti Bowl Project. (See attached scope of work.) The anticipated schedule for this preliminary engineering work is from the fourth quarter of 2020 through the third quarter of 2021. The requested dollar amount was derived from a man-hour estimate for the proposed scope of services. (See attached fee estimate.)



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

MEMORANDUM

December 9, 2020

TO: Jeff Lerud, Assistant Director

FROM: Amanda Callegari, Project Manager ds
ac

SUBJECT: Negotiation Summary for RFP 219-20-015 Preliminary Engineering Services for the Reno Spaghetti Bowl – Phase 2

Negotiation meetings were held virtually between the Nevada Department of Transportation (DEPARTMENT) and HDR between September 24, 2020 and December 8, 2020 with Reid Kaiser, Ken Lambert, Pam Pierce, Troy Martin, Laycee Kolkman, and Craig Smart of HDR and Nick Johnson, Pedro Rodriguez, Amanda Callegari, Jessen Mortensen, and Devin Cartwright, of the DEPARTMENT in attendance.

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

The duration of this agreement will be 15 months, ending on April 29, 2022.

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

The scope of services that are to be provided by HDR Engineering, Inc. was reaffirmed by both parties at the outset. The agreed scope of services is attached.

The following schedule was agreed to by both parties:

Date	Task to be Completed
January 2021	Notice to Proceed
September 2021	Nugget Viaduct Feasibility Study Report
April 2022	30% Design

Key personnel dedicated to this project are as follows:

Name	Title
Reid Kaiser	Project Principal
Ken Lambert	Project Manager
Pam Pierce	Design Lead
Troy Martin	Structural Lead
Craig Smart	Senior Technical Advisor
Chad Anson	Senior Technical Advisor
Paul Frost	QA/QC
Laycee Kolkman	Traffic Analysis
Brent Knezacek	Maintenance of Traffic
Dean Mottram	Maintenance of Traffic
Lee Busenbark	Roadway Lead

Jeremiah Johnston	PDSA
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Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Agreement No.	
CA Group	I-15 Tropicana Interchange	P192-17-015	
	NDOT Crew 926 Crew Augmentation	P215-17-040	
	Nellis Boulevard 3R	P079-17-010	
	Traffic Operations On-call	P662-18-016	
	I-15 South NEPA/HSR Rail Expertise	P671-18-015	
	I-15 Sahara to Flamingo Feasibility Study	P384-18-015	
	I-515/Charleston Final Design	P779-15-015A	
	Henderson Interchange NEPA	P481-19-110	
	Parr Dandini NDOT Crew 905 Augmentation	P742-19-040	
	On-Call CRAVE Services	P673-10-015	
	Mt. Rose Corridor Plan	P070-20-804	
	Taylor Made Solutions	Reno Spaghetti Bowl: Public Outreach	P443-16-015
Avenue Consultants	I-15/US 93 Interchange (Garnet Interchange) Reconstruction and US 93 Capacity Improvements: Program Management for I-15/US-93 interchange reconstruction and US-93 capacity improvements project.	P062-16-015	
	SBX Design-Build: Program Management for reconstruction and widening of I-580 from I-80 to Villanova Drive.	P443-16-015	
	I-15 Tropicana Interchange Design-Build: Program Management for the reconstruction of I-15/Tropicana interchange and HOV drop ramp connectors at Harmon Avenue.	P192-17-015	
	I-15 HSR Oversight: Program Management for helping NDOT develop agreements and confirm compliance for the addition of high-speed rail along I-15 from stateline to Las Vegas.	P671-18-015	
	Pioneer Program Guideline Updates: Supported NDOT updates to the 3rd edition of the Pioneer Program Guidelines.	P244-18-015	
	New Fields	US395 North Valleys: Geotechnical Investigation and Design	P589-18-015
		SBX: Geotechnical Investigation, Design and Construction Support	P773-19-015
KCI	On-Call: SUE	P085-20-030	

The DEPARTMENT's original estimate was \$4,433,119.00 including direct labor (21,060 man-hours of work by the SERVICE PROVIDER), overhead rate of 170%, a 10% fee, and direct expenses (including sub-consultant expenses).

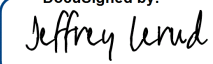
The SERVICE PROVIDER's original estimate was \$5,276,823.00, including direct labor (19,739 man-hours of work by the SERVICE PROVIDER), overhead rate of 150.81%, a 10% fee, and direct expenses at \$1,904,907.00 (including sub-consultant expenses).

The overhead rate of 150.810% was provided by the Internal Audit Division.

The negotiations yielded the following:

1. Based upon the direct labor costs of \$829,135.00 and an overhead rate of 150.810%, the overhead amount will be \$1,250,418.00.
2. A fee of 10% was agreed to by both parties and will be \$207,955.00 for this agreement based upon direct labor costs and an overhead rate of 150.810%.
3. The direct expenses agreed to total \$1,105,438.00 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 12,167.
5. The total negotiated cost for this Agreement is \$3,392,946.00.

Reviewed and Approved:

DocuSigned by:

E0C1947A442E435...
12/09/2020
Assistant Director

PROJECT LOCATION AND BACKGROUND

The Reno Spaghetti Bowl Phase 2 Project (PROJECT) is located just east of the Interstate 80/Interstate 580 System to System Interchange (Reno Spaghetti Bowl) within Washoe County, NV. The area of the PROJECT is from approximate IR080 MP15.1 to MP17.6; East of the Reno Spaghetti Bowl (0.3 miles west of bridge I-1002) to East McCarran Boulevard.

The purpose of this Agreement is for the SERVICE PROVIDER to perform engineering support for the PROJECT which includes: reconstructing I-80 from just east of the Reno Spaghetti Bowl to East McCarran Boulevard; replacing I-80 Bridge H-866 E/W over the Nugget Casino (Nugget Viaduct); constructing a new interchange at Kietzke Lane; reconstructing the Rock Boulevard and Pyramid Way Interchanges.

The Reno Spaghetti Bowl was originally constructed between 1969 and 1971 for a metropolitan population of about 130,000 people. The current population of Washoe County has increased to approximately 470,000 people, with a forecasted growth rate exceeding state and national averages. The reconstruction of the encompassed interstate system, structures and interchanges is necessary to improve the operations, capacity and safety, as well as address all modes of travel as appropriate.

The SERVICE PROVIDER's services include a high-level, 30 percent (30%) design and development of feasible structural design alternative(s) for the Nugget Viaduct to reconstruct the interstate system east of the Reno Spaghetti Bowl to East McCarran Boulevard. The level of design for all services provided herein shall be defined by the tasks performed and the deliverables provided by the SERVICE PROVIDER.

PROJECT Goals:

- Complete a feasibility study for the replacement of the Nugget Viaduct, including preliminary structure design and analysis of impacts, challenges, and costs
- Complete 30% preliminary design efforts for the PROJECT and to identify potential risks, impacts, and costs associated with the PROJECT

1.0 PROJECT GENERAL

1.1 PROJECT LOCATION AND PURPOSE

The PROJECT is located just east of the Reno Spaghetti Bowl within Washoe County, NV. The area of the PROJECT is from approximate IR080 MP15.1 to MP17.6; East of the Reno Spaghetti Bowl (0.3 miles west of bridge I-1002) to East McCarran Boulevard.

The PROJECT consists of reconstructing I-80 from just east of the Reno Spaghetti Bowl to East McCarran Boulevard; replacing the Nugget Viaduct; constructing a new interchange

at Kietzke Lane; reconstructing the Rock Boulevard and Pyramid Way Interchanges; and potentially, various ramp improvements in and around the Reno Spaghetti Bowl. These capacity improvements will improve operations and safety of the Reno Spaghetti Bowl and accommodate the increased travel demands of Washoe County.

1.2 GENERAL DESCRIPTION OF SERVICES

The work included in this scope of services consists of providing 30% preliminary design and engineering for roadway, drainage, and structural elements of the PROJECT; in addition to performing other tasks, documentation, and outreach necessary for the PROJECT execution.

The SERVICE PROVIDER will obtain, review, and make use of available project data and information including, but not limited to plans, cost estimates, environmental documents, technical studies, advance planning studies, agreements and other project information provided by the DEPARTMENT. The 30% preliminary design for the PROJECT shall be designed as described in the Preferred Alternative #2 for the Reno Spaghetti Bowl FEIS, unless an alternative structural design for the Nugget Viaduct is selected by the DEPARTMENT.

1.3 PROJECT DESIGN CRITERIA

The SERVICE PROVIDER will follow all DEPARTMENT standards and federal, state, and locally adopted and accepted criteria for the PROJECT except as otherwise expressly set forth herein. Applicable standards for this PROJECT are contained in the most recent version of the following documents:

- NDOT Standard Plans for Road and Bridge Construction
- NDOT Standard Specifications for Road and Bridge Construction
- NDOT Drainage Manual
- NDOT Storm Water Quality Manuals
- NDOT Planning and Design Guide
- AASHTO A Policy on Geometric Design of Highways and Streets
- AASHTO Roadside Design Guide
- NDOT Project Management Guidelines
- NDOT Structures Manual
- NDOT Right of Way Manual
- AASHTO LRFD Bridge Design Specifications
- AASHTO Guide Specifications for LRFD Seismic Bridge Design

2.0 PROJECT MANAGEMENT

2.1 Project Management Plan

The preparation of the Project Management Plan (PMP) helps to provide a greater degree of assurance of successful project delivery and the maintenance of public trust, support, and confidence throughout the life of the PROJECT. The PMP is a tool to help the DEPARTMENT and PROJECT Team maintain focus towards effectively and efficiently delivering a quality product. The purpose of the PMP is to clearly define the roles and responsibilities of the DEPARTMENT leadership and PROJECT management team, and to document the procedures and processes that are in effect to provide timely information to PROJECT decision makers.

The SERVICE PROVIDER, in collaboration with the DEPARTMENT's Project Manager (PM), will develop and submit a proposed Project Management Plan (PMP) to the DEPARTMENT. The PMP will include Budget, Schedule, Communication Plan, Change Management Plan, and Quality Plan.

Assumptions: The Project Management Plan will utilize the DEPARTMENT's template and be transmitted once in an electronic format (.pdf).

Exclusions: The Project Management Plan will not include a Risk Management Plan, nor the accompanying Risk Register, as the Risk Register will be developed under Task 4.0 PROJECT COST RISK ASSESSMENT AND VALUE ENGINEERING (CRAVE).

2.2 Project Schedule

The objective of this Task is to establish and maintain an achievable project schedule for the term of this Agreement.

The SERVICE PROVIDER will develop and provide a draft PROJECT schedule using Microsoft Project for the tasks described in this Agreement within 30 days following issuance of a Notice to Proceed. This draft schedule will include milestone completion dates for tasks, review timelines and other events to be agreed to by the DEPARTMENT's PM and the SERVICE PROVIDER's PM. Following acceptance of the schedule by the DEPARTMENT's PM, the SERVICE PROVIDER will be responsible for updating and maintaining the schedule on a monthly basis. The schedule will be updated prior to and reviewed at the monthly Project Management Team Meetings.

Should PROJECT milestone dates not be met, or in the event milestone are anticipated to be missed, the SERVICE PROVIDER will submit a revised PROJECT schedule within one month, detailing:

- A recovery plan on how the PROJECT will be brought back on schedule, if feasible, or
- Proposed changes to milestone and/or PROJECT completion deadlines if approved target dates are no longer feasible

2.3 Meetings and Coordination

2.3.1 Project Kick-Off Meeting

The SERVICE PROVIDER will arrange and conduct a kick-off meeting with the DEPARTMENT. This meeting will review the scope of work, PROJECT schedule, and establish lines of communication. It will inform the DEPARTMENT and SERVICE PROVIDER of PROJECT status and scoping to complete critical path items. The meeting will be attended by the DEPARTMENT's PM, SERVICE PROVIDER's PM, members of the DEPARTMENT's staff, and members of the SERVICE PROVIDER's PROJECT team. Meeting is anticipated to be held at DEPARTMENT's Headquarters in Carson City and/or a virtual web-based meeting forum.

Assumptions: All deliverables to be transmitted in an electronic format (.pdf).

Deliverables to be transmitted by SERVICE PROVIDER:

- Meeting invitations to appropriate attendees
- Meeting agenda a minimum of one day prior to the meeting
- Meeting minutes within three (3) business days of the meeting to include action items, attendance roster, responsibilities, and due dates

2.3.2 Project Management Team Meetings

The SERVICE PROVIDER will arrange and conduct monthly PROJECT management team (PMT) coordination meetings, draft and submit meeting notes to the DEPARTMENT's PM and appropriate attendees for review. The SERVICE PROVIDER will incorporate comments and distribute the meeting notes to attendees and identified stakeholders. Monthly PMT Meetings will be attended by the DEPARTMENT's PM, SERVICE PROVIDER's PM, the DEPARTMENT's staff, and at least two (2) of the SERVICE PROVIDER's PROJECT team based on the agenda topics (excluding Subconsultants). Meetings are anticipated to be held at DEPARTMENT's Headquarters in Carson City and/or virtual web-based meeting forum.

Assumptions:

- Fifteen (15) PMT meetings are anticipated
- All deliverables to be transmitted in an electronic format (.pdf)

Deliverables to be transmitted by SERVICE PROVIDER:

- Meeting invitations to appropriate invitees
- Meeting agendas to the invitees a minimum of one day prior to the meeting to include: summary of open action items, overall schedule progress, and completed activities since previous meeting
- Meeting minutes within three (3) business days of the meeting to include: action items, attendance roster, responsibilities, and due dates

2.3.3 Other Technical Meetings

The SERVICE PROVIDER will arrange and conduct other technical meetings twice monthly with the internal PROJECT team to discuss status of design development efforts, coordinate design details, resolve technical issues, maintain schedules, and to validate compliance with quality processes. Internal PROJECT meetings are anticipated to be held utilizing a virtual web-based meeting forum.

Assumptions: Thirty (30) internal PROJECT meetings are anticipated to include the SERVICE PROVIDER's PM and an average of four (4) other SERVICE PROVIDER PROJECT team members (excluding Subconsultants).

2.4 Stakeholder Outreach

Other PROJECT meetings are anticipated to address DEPARTMENT, other agency, and targeted stakeholder coordination. The DEPARTMENT's PM will schedule stakeholder meetings and prepare agendas in coordination with the SERVICE PROVIDER. SERVICE PROVIDER will attend meetings with up to three (3) members of the SERVICE PROVIDER's PROJECT team to coordinate the design with other local and regional agencies which may include the City of Sparks and the Regional Transportation Commission of Washoe County; utilities including, but not limited to, NV Energy and TMWA; and representatives of the Nugget Casino Resort as necessary. Meetings are anticipated to be held at DEPARTMENT's Headquarters in Carson City, at the stakeholder's local (Reno, Nevada area) offices, and/or virtual web-based meeting forum.

Assumptions: Fifteen (15) stakeholder meetings are anticipated.

Deliverables to be transmitted by SERVICE PROVIDER:

- Meeting minutes within three (3) business days of the meeting to include: action items, attendance roster, responsibilities, and due dates

2.4.1 Visualizations

The goal of this Task is to develop photo-simulations (static visualizations) to support stakeholder engagement and consensus-building for the PROJECT with particular emphasis on the Nugget Casino Resort. Photo-simulations would use a photograph for the surrounding site with a 3D model overlaid on top of the photograph to show the proposed conditions. The photo-simulations would require photographs taken from up to six (6) different views either from either a ground view or from a drone.

SERVICE PROVIDER will prepare up to six (6) 24"x36" color photo-simulations, draft and final, depicting perspective views of the PROJECT alternatives or other information for potential discussion purposes with the DEPARTMENT and the Nugget representatives. Final renderings will be mounted on foamcore board for use in meetings.

Assumptions: The sum of Twenty-Five Thousand and no/100 Dollars (\$25,000.00) is allocated as a budget to complete this task. The photo-simulations would require 2D photographs taken from up to six (6) different views either from either a ground view or from a drone.

Exclusions: The need to build a complete computer generated 3D model for renderings and animations is not anticipated. Fact sheets, e-blasts, web-site support, and other graphics and outreach support are not anticipated.

Deliverables: SERVICE PROVIDER will provide up to six (6) 24"x36" color photo-simulations, draft and final, depicting perspective views of the Nugget Viaduct alternatives or other information.

2.5 Quality Management

The objective of the Quality Management task is to manage risk associated with performing professional services by verifying that project processes, deliverables, and supporting documentation are checked, reviewed, complete, understandable, conform to applicable and reasonable industry standards relative to their intended purpose, and meet PROJECT requirements.

The SERVICE PROVIDER will perform quality control (QC) reviews for PROJECT deliverables with independent reviewers and quality assurance review processes to monitor PROJECT performance and management processes in accordance with industry standards.

Deliverables provided by a SERVICE PROVIDER's Subconsultant will be subject to the same QC review criteria as required for the PROJECT.

2.6 Project Administration

The SERVICE PROVIDER will provide a committed, readily available management and design team focused on the PROJECT that is knowledgeable of past and proposed DEPARTMENT efforts, experienced with the proposed scope elements, and has the available capacity to successfully oversee the design efforts within the anticipated schedule.

2.6.1 Document Control

The SERVICE PROVIDER's PM will correspond directly with the DEPARTMENT's PM. All correspondence between the SERVICE PROVIDER and the DEPARTMENT will include notification to the DEPARTMENT's PM unless directed otherwise by the DEPARTMENT's PM. SERVICE PROVIDER will maintain documents for archiving including PROJECT correspondence and submittals.

2.6.2 Monthly Accounting and Progress Reporting

The SERVICE PROVIDER's PM will provide the DEPARTMENT's PM monthly management reports clearly identifying PROJECT progress (expenditures and schedule). The progress reports will identify work completed, and progress relative to the PROJECT schedule, and hours used for the various tasks.

3.0 PROJECT DATA COLLECTION

SERVICE PROVIDER will collect data for the purpose of completing the feasibility study for the Nugget Viaduct and the 30% preliminary design for the PROJECT, including the identification, development, and evaluation of alternatives for the Nugget Viaduct. Existing data sources, including data in the possession of the DEPARTMENT, will be used to the greatest extent possible with the understanding that more detailed data will be collected in the future to inform the final design for the PROJECT.

3.1 Field Reviews

SERVICE PROVIDER will schedule and conduct periodic field reviews of the PROJECT site to assist in completing the various tasks herein for the PROJECT. These field reviews will include visual observations, preparation of sketches, digital photographs, measurements, and interviews with PROJECT stakeholders in connection with such field reviews. Field reviews will be documented in memoranda and/or field notes. These documents, together with digital photographs and sketches, will be archived with the PROJECT's documents. Field reviews will comply with the approved PMP, inclusive of the approved safety plan and communications protocols for the PROJECT.

Assumptions: Up to ten (10) field reviews are assumed during the term of this Agreement. These reviews will include up to three (3) members of the SERVICE PROVIDER's PROJECT team (excluding Subconsultants) as appropriate.

Exclusions: None.

Deliverables: Digital photographs, notes and other documents prepared in connection with field reviews will be provided and archived with the PROJECT's documents.

3.2 Design Criteria

The SERVICE PROVIDER will develop a Design Criteria Matrix (Matrix) and submit to the DEPARTMENT for concurrence prior to beginning other design activities. The Matrix will list pertinent design criteria and design thresholds according to the aforementioned agency standards for roadway, structures, traffic, hydraulics, and stormwater design. The SERVICE PROVIDER will update the Matrix based on comments from the DEPARTMENT.

The SERVICE PROVIDER will coordinate with the DEPARTMENT's Structures Division to develop a Structural Basis of Design Report for use in the preliminary bridge designs for the PROJECT.

Assumptions: Conflicting design standards will be brought to the DEPARTMENTS's attention. The SERVICE PROVIDER will provide recommendations on the design standards for the DEPARTMENT to approve. One (1) round of consensus review comments is assumed to be received from the DEPARTMENT in response to such recommendations.

Deliverables: Draft Design Criteria Matrix (.pdf), Final Design Criteria Matrix (.pdf), Draft Structural Basis of Design Report (.pdf), and Final Structural Basis of Design Report (.pdf).

3.3 Collection and Review of DEPARTMENT Data

SERVICE PROVIDER will collect, review, and archive data in the possession of the DEPARTMENT to assist in completing the various tasks herein for the PROJECT. The DEPARTMENT will either provide this data directly to the SERVICE PROVIDER, make the data available for collection by the SERVICE PROVIDER, or facilitate the collection of data by the SERVICE PROVIDER from other DEPARTMENT service providers. Data may be in the form of hard copy documents or digital format and may include, but not be limited to, record drawings; survey data including aerial photography and digital terrain modelling files; existing and proposed MicroStation *.dgn's (design files) and InRoads files from the Reno Spaghetti Bowl FEIS project including existing and proposed *.alg's (alignment files), *.dft's (drafting files), *.itl's (template files), and *.xin's (preference files); permit files; traffic data files; ITS facilities information; bridge inspection files; geotechnical report files in the PROJECT area, environmental data; and additional project files from the Reno Spaghetti Bowl FEIS Project.

The DEPARTMENT will provide the SERVICE PROVIDER MicroStation V8i SS2 and InRoads V8i SS2 files from the Reno Spaghetti Bowl FEIS Project listed previously, specifically for but not limited to the FEIS Alternative #2.

The DEPARTMENT will provide the SERVICE PROVIDER with the final VISSIM model used in the Reno Spaghetti Bowl FEIS Project. This will include the model, and all documentation associated with calibration and validation.

Assumptions: The SERVICE PROVIDER will use DEPARTMENT-provided aerial photography and digital terrain modelling for the PROJECT. The SERVICE PROVIDER will use DEPARTMENT-provided MicroStation and InRoads files from the Reno Spaghetti Bowl FEIS Project for the PROJECT. The SERVICE PROVIDER will use the DEPARTMENT-provided VISSIM model for all PROJECT traffic analysis. The SERVICE PROVIDER will use DEPARTMENT provided ITS facilities information. It is assumed that the DEPARTMENT may not be able to locate all ITS facilities, in which case the SERVICE PROVIDER will make assumptions for purposes of high-level, 30% design without further investigation.

Exclusions: No new traffic model coding, calibration and/or validation will be necessary for this Task.

Deliverables: Data as described above will be provided to the DEPARTMENT and archived with the PROJECT's documents.

3.4 New Data Collection

3.4.1 Right-of-Way

SERVICE PROVIDER, in coordination with its Subconsultant, will prepare and provide parcel mapping within the PROJECT limits that identifies the parcel numbers and private property boundaries potentially affected by the 30% design for the PROJECT in MicroStation V8i format and in the DEPARTMENT's appropriate coordinate system. SERVICE PROVIDER, in coordination with its Subconsultant, will be obtaining and using existing GIS mapping sources currently available from Washoe County for this effort.

SERVICE PROVIDER will include DEPARTMENT-provided right-of-way engineering files in the deliverables described in this task.

Assumptions: The DEPARTMENT will provide the SERVICE PROVIDER MicroStation V8i SS2 right-of-way file including fee, easement, and lease boundaries in *.dgn format. Parcel data within an approximately one-half (½) mile wide swath centered on the centerline of I-80 between the Reno Spaghetti Bowl and the McCarran Boulevard interchange is assumed adequate to identify property needs for the PROJECT, including temporary construction easement areas, laydown areas, and detours.

Exclusions: Identification and/or mapping of non-DEPARTMENT rights-of-way is excluded. Additionally, no field survey, right-of-way engineering, appraisals, or acquisition support services is anticipated. SERVICE PROVIDER will use DEPARTMENT-provided property valuation data to prepare the cost estimates for the PROJECT.

Deliverables: MicroStation V8i format (*.dgn) in the DEPARTMENT's appropriate coordinate system that identifies parcel numbers, property boundaries, and parcels within the PROJECT limits.

3.4.2 Utilities

The objective of the utilities data collection effort for the PROJECT is to inform the feasibility study for Nugget Viaduct and the 30% preliminary design for the PROJECT, with the understanding that additional utility locating efforts will be

necessary for final design of the PROJECT. Utilities data collection described in this task excludes data on storm drainage facilities, ITS, and other improvements constructed within DEPARTMENT rights of way provided by the DEPARTMENT as part of Task 3.3.

SERVICE PROVIDER will collect and review American Society of Civil Engineers (ASCE) Quality Level "D" utility information provided by the DEPARTMENT and obtained by the SERVICE PROVIDER from area utility providers. Utility information within the I-80 right of way from US 395 to McCarran Boulevard and public roadways within one-quarter ($\frac{1}{4}$) mile of I-80 will be included and is assumed adequate to identify the utilities potentially affected by the PROJECT.

Assumptions: The SERVICE PROVIDER will rely on utility and ITS data provided by area utility providers and the DEPARTMENT with the DEPARTMENT's understanding that this data may not be accurate and may not provide information such as conduit material or depth.

Exclusions: None.

Deliverables: Data collected as described above will be provided on the base drawings for the PROJECT and included on the utilities matrix described in Task 6.5.

3.4.3 Geotechnical

The objective of this task is to collect and evaluate the geotechnical data, and to provide preliminary geotechnical design parameters for preliminary design of the Nugget Viaduct and other structures for the PROJECT (excluding pavement design).

The SERVICE PROVIDER will conduct a limited subsurface investigation consisting of six (6) borings approximately 130 feet deep. Two of the borings approximately 130 feet deep will be located near the H-866E/W bridges at opposing ends to characterize the site for replacement bridges. Four more borings approximately 130 feet deep will be located near the I-1002, H-1003, I-1005 E/W, and I-1006 bridges. The borings will be sampled and tested adequately to provide shallow and deep foundation design parameters, assess foundation construction techniques, and identify possible soil contamination. Selection of laboratory tests will also be based actual soil conditions encountered during drilling activities, and samples recovered from borings.

Additionally, five (5) additional borings approximately 50 feet deep may be performed at the discretion of the DEPARTMENT's PM. The sum of One Hundred Thirty Two Thousand and no/100 Dollars (\$132,000.00) is allocated as a budget to

obtain such additional geotechnical data subject to direction by the DEPARTMENT's PM.

The SERVICE PROVIDER will perform laboratory testing to evaluate the physical and engineering properties of the subsurface soils, including soil classifications, strength properties, in-place moisture content and density, gradation, Atterberg limits, consolidation, swell potential, direct shear strength, solubility potential and chemical analysis (including pH, oxidation-reduction resistivity, sulfate, sulfide, total salts and chloride). Laboratory testing will also address water quality and the presence of hydrocarbons.

Work will be performed in accordance with AASHTO and the DEPARTMENT's guidelines.

Assumptions: The DEPARTMENT will provide foundation reports and contract plans for the existing H-866 E/W, I-1002, H-1003, I-1005 E/W, and I-1006 bridges.

Exclusions: The SERVICE PROVIDER will not be providing a final geotechnical report and will not be performing subsurface sampling at proposed structural support locations.

Deliverables: Preliminary Geotechnical Design Recommendations, providing boring logs for the borings completed, test results from soil samples, preliminary geotechnical parameters for foundation design, and geologic hazard recommendations for bridge design.

4.0 PROJECT COST RISK ASSESSMENT AND VALUE ENGINEERING (CRAVE)

This task includes providing Cost and Schedule Risk Assessment (CSRA) + Value Engineering (VE) consultation services (collectively "CRAVE") to the DEPARTMENT for the PROJECT. CRAVE is a process that combines cost and schedule risk assessment with the proven tools and process of Value Engineering. The major project risks are identified and qualified, Value Engineering recommendations are developed to assist in managing the risk to avoid or mitigate the impact to the project's budget and/or schedule.

4.1 Pre-Study

The SERVICE PROVIDER will organize, facilitate, and participate in a Pre-study Meeting between the DEPARTMENT and SERVICE PROVIDER's staff. The purpose of the meeting is to determine goals and objectives of the CRAVE Study, to develop the flow chart for the CSRA, to pre-elicite risk for the risk register, to determine what information is available for the study team, and to confirm technical experts required for the studies.

The SERVICE PROVIDER will review project data available for the PROJECT team and prepare the flow chart for the items that will be the focus of the studies such as: structures and geotechnical issues, right-of-way, stakeholders, and management and funding.

There will be one (1) virtual Pre-study Meeting up to four (4) hours attended by three (3) SERVICE PROVIDER PROJECT team members.

Assumptions:

- The pre-study meeting will be held utilizing a virtual web-based meeting forum
- DEPARTMENT will transmit any additional cost estimates, project schedules and project reports for the PROJECT to the SERVICE PROVIDER ten (10) days prior to pre-study
- DEPARTMENT will provide one (1) assumption of base PROJECT delivery method to the SERVICE PROVIDER

Deliverables from the Pre-Study Phase:

- List of disciplines needed for the CSRA and VE teams
- Flowchart to be used during the CRAVE Workshop
- Pre-elicitation risk form

4.2 CRAVE Workshop

The objective of this task is for the SERVICE PROVIDER to organize, participate in and facilitate a CRAVE study for the PROJECT to inform development of alternatives for the Nugget Viaduct.

The SERVICE PROVIDER will facilitate the Cost and Schedule Risk Assessment (CSRA) and Value Engineering/Analysis (CRAVE) Workshop over a consecutive five (5) day period. The CSRA portion of the study will occur at the beginning of the workshop and not exceed one and a half (1.5) days. The objectives of the CSRA are to identify additional PROJECT risks, and to qualify and quantify the potential budget and schedule impacts for the PROJECT.

The SERVICE PROVIDER will facilitate the Value Engineering/Analysis portion of the study the remainder of the five (5) day period. The objective of the VE is to verify or improve upon the proposed design, develop risk response strategies and update the risk model. The focus of the study will be:

- Structures and geotechnical issues
- Right-of-Way (including access and acquisition)
- Partnerships and stakeholders
- Alternative analysis
- Risk response strategies
- Other topics as determined during the pre-study meeting

Assumptions:

DEPARTMENT's PM will distribute the pre-elicitation risk forms to appropriate PROJECT team personnel, collect responses, and transmit pre-elicitation risk responses to the SERVICE PROVIDER ten (10) days prior to the CRAVE Workshop.

DEPARTMENT will provide and reserve the meeting facility at DEPARTMENT's Headquarters in Carson City and/or virtual web-based meeting forum for the CRAVE workshop.

The DEPARTMENT will provide or arrange for a PROJECT overview by the design team(s) to the CSRA and VE teams, tentatively scheduled for 8:30 AM on the first day of the CRAVE workshop.

The DEPARTMENT and the SERVICE PROVIDER will arrange for and supply Cost and Schedule Risk Assessment team members, as noted below:

- Structures
- Geotechnical
- Demolition
- Project Delivery
- Right-of-Way
- Constructability
- Roadway Design
- Drainage
- Traffic
- Environmental
- Utilities

The DEPARTMENT will provide existing graphics, electronic design files, cost estimates, schedules and other project data for use during the study including any project constraints.

SERVICE PROVIDER will provide the following staff for the VE that are independent from the PROJECT team:

- Team leaders - Risk Lead (CVS)
- Subject matter experts – (Structures, Geotechnical, Demolition, Roadway, Traffic, MOT, Constructability)
- Technical writer/Workshop assistant

The SERVICE PROVIDER will utilize the small cost model tool during the CRAVE Workshop.

Exclusions: The SERVICE PROVIDER will not prepare a custom cost model for the PROJECT.

Deliverables:

- Study presentation of findings
- Draft CRAVE Report – Electronic (.pdf)

4.3 CRAVE Workshop Update

The objective of this task is to update the CRAVE Report for the PROJECT to inform the PROJECT including the evaluation and selection of an alternative for the Nugget Viaduct. This will be accomplished through a CRAVE Workshop Update that will consider the results of the initial CRAVE Workshop performed as part of Task 4.2 and progress on development of alternatives for the Nugget Viaduct.

The SERVICE PROVIDER will reconvene the CRAVE team members and perform a comprehensive update of the CRAVE Report developed as part of Tasks 4.2.

The DEPARTMENT and the SERVICE PROVIDER will arrange for and supply Cost and Schedule Risk Assessment and VE team members, as noted below:

- Structures
- Geotechnical
- Demolition
- Project Delivery
- Right-of-Way
- Constructability
- Roadway Design
- Drainage
- Traffic
- Environmental
- Utilities

SERVICE PROVIDER will provide the following staff for the CRAVE update that are independent from the project team:

- Team leaders - Risk Lead (CVS)
- Subject matter experts – (Structures, Geotechnical, Demolition, Roadway, Traffic, MOT, Constructability)
- Technical writer/Workshop assistant

Assumptions:

DEPARTMENT will provide and reserve the meeting facility at DEPARTMENT's Headquarters in Carson City and/or virtual web-based meeting forum for the CRAVE Update as a two (2) day workshop.

The SERVICE PROVIDER will utilize the small cost model tool during the CRAVE Workshop Update.

Exclusions: The SERVICE PROVIDER will not prepare a custom cost model for the PROJECT. Modelling, analyses, and results from a custom cost model are not included in this Scope of Work.

Deliverables:

- Study Update presentation of findings
- CRAVE Update Technical Memo – Electronic (.pdf) to be attached as an Appendix to the CRAVE Report

5.0 NUGGET VIADUCT FEASIBILITY STUDY AND 15% DESIGN

5.1 Nugget Viaduct Alternatives Development

The objective of this task is to develop up to four (4) conceptual alternatives for the replacement of the Nugget Viaduct. One (1) of these four (4) alternatives includes FEIS preferred Alternative #2. These alternatives will be developed to a 15% level in terms of conceptual design, demolition concepts, constructability, understanding of risks, risk-based and life-cycle costs, right-of-way needs, utility and property impacts and other considerations (such as MOT feasibility).

Assumptions: Conceptual alternatives developed as part of this task are assumed sufficient for evaluation and preparation of the Feasibility Study Report in Tasks 5.2 and 5.3.

Exclusions: Traffic Operational Analysis. The feasibility study will only include a summary of changes for the alternatives that may have a potential impact on the Reno Spaghetti Bowl FEIS operations analysis. No traffic modeling or operational analysis will be conducted.

Deliverables: None

5.1.1 Roadway

The objective of this task is to review the roadway design files prepared for Preferred Alternative #2 for the Reno Spaghetti Bowl FEIS Project and to develop up to four (4) roadway geometry and grade alternatives for the final configuration of I-80 between Rock Boulevard and Pyramid Way for the PROJECT sufficient to

establish the conceptual limits of up to four (4) alternatives for the Nugget Viaduct. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2.

Assumptions: The DEPARTMENT will provide the SERVICE PROVIDER MicroStation V8i SS2 and InRoads V8i SS2 files from the Reno Spaghetti Bowl FEIS project listed previously in Subsection 3.3 Collection and Review of DEPARTMENT Data, specifically for but not limited to FEIS Alternative #2. It is also assumed that the DEPARTMENT will provide the required pavement structural sections for the PROJECT.

Exclusions: Ramp alignments west of Rock Boulevard and east of Pyramid Way are excluded from this sub-task.

Deliverables: None.

5.1.2 Structures

The objective of this task is to prepare the 15% level preliminary concepts of up to four (4) alternatives for replacement of the Nugget Viaduct sufficient to inform the evaluation of alternatives. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2.

5.1.2.1 New Structures

The objective of this task is to develop up to four (4) 15% level preliminary bridge concepts for replacement of the Nugget Viaduct. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2. The preliminary concepts will be advanced to a level that will allow an assessment of per square foot cost comparisons and impacts of the Nugget Viaduct structure(s) proposed with each alternative.

The SERVICE PROVIDER will develop preliminary bridge configurations, width, spans, and structure type, for each alternative for the replacement of the I-80 bridges H-866 E/W. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2. The preliminary concepts will be developed to approximately a 15% conceptual design level to determine approximate member sizing and support locations. Approximate quantities will be calculated from the preliminary concepts and will be used with typical unit prices and square foot costs to provide cost estimates. Conceptual foundation layout and types will be used to determine the impacts to utilities, buildings, or other facilities.

The SERVICE PROVIDER will develop long term maintenance costs and quantify long-term impacts, if any are identified, of the alternative concepts for inclusion in life cycle cost comparisons.

The costs for atypical structure types and challenging construction conditions will be based on increased unit costs and SERVICE PROVIDER's national experience with similar structure types.

Assumptions: None.

Exclusions: The SERVICE PROVIDER will not be providing a contractor style, time and materials, cost estimates.

Deliverables:

- Bridge Front Sheets, showing bridge layout and geometry.
- Bridge Cost Estimates: including bridge cost estimates and probable ranges based on historical unit prices for use in alternative comparisons and cost risk analyses.

Any opinions of probable project cost or probable construction cost provided by SERVICE PROVIDER are made on the basis of information available to SERVICE PROVIDER and on the basis of SERVICE PROVIDER's experience and qualifications and represents its judgment as an experienced and qualified professional engineer. However, since SERVICE PROVIDER has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s') methods of determining prices, or over competitive bidding or market conditions, SERVICE PROVIDER does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost SERVICE PROVIDER prepares.

5.1.2.2 Demolition of Existing Structures

The objective of this task is to develop preliminary demolition concepts and cost estimates for the existing Nugget Viaduct structure and other portions of I-80 that may be impacted by the alternatives developed for the Nugget Viaduct.

Assumptions: None.

Exclusions: The SERVICE PROVIDER will not be providing plans or engineered designs in connection with this task.

Deliverables: None.

5.1.3 Maintenance of Traffic

The objective of this task is to evaluate the feasibility of Maintenance of Traffic (MOT) during construction for the up to four (4) Nugget Viaduct alternatives being developed. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2. During alternative evaluation process in Task 5.2, MOT will be considered as a pass/fail screening criterion based on a qualitative analysis. The SERVICE PROVIDER will provide a summary of the pro's and con's for up to four (4) alternatives one of which is the FEIS Preferred Alternative #2.

Assumptions: SERVICE PROVIDER will use traffic analysis from the Reno Spaghetti Bowl FEIS Project as the basis for this task. It is assumed that project limits and detour routes will be within the Reno Spaghetti Bowl FEIS Project limits and that no additional model coding, calibration and/or validation will be necessary. The project phasing will be graphical in nature and will show the number of lanes and points of access for the mainline interstate only.

Exclusions: No new traffic data collection will be performed. Additional modeling will fall within the limits of the Reno Spaghetti Bowl FEIS Project model.

Deliverables: None. The summary of MOT will be included in the Nugget Viaduct Feasibility Report.

5.1.4 Nugget Casino Resort Impacts

The objective of this task is to identify, describe and quantify potential operational and other impacts (threats and opportunities) to the Nugget Casino Resort promulgated by consideration of up to four (4) alternatives for the Nugget Viaduct to inform the evaluation of alternatives. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2.

SERVICE PROVIDER will meet with Nugget Casino Resort representatives as described in Task 2.4 to gather data and inform the development of Nugget Viaduct alternatives. SERVICE PROVIDER will also engage the services of a specialized Subconsultant familiar with Nevada gaming and resort operations to assist with the development of data and risk response strategies.

SERVICE PROVIDER will identify risks, develop cost estimates, and develop risk response strategies for potential impacts to the Nugget Casino Resort resulting from implementation of the Nugget Viaduct alternatives including: casino, hotel, restaurant and convention facilities, demolition, construction, reconstruction, phasing, operations, maintenance, employment, and labor relations.

Assumptions: None.

Exclusions: None.

Deliverables: None.

5.1.5 Life Cycle Cost Estimates

The objective of this task is to prepare life-cycle cost estimates for up to four (4) alternatives for the Nugget Viaduct to inform the evaluation of alternatives. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2.

SERVICE PROVIDER will prepare life cycle cost estimates for each alternative that consider design costs, construction costs (as determined by other Tasks herein), maintenance costs, rehabilitation costs, user costs and salvage value. Additional considerations will include accessibility and safety for inspections. The DEPARTMENT will provide the desired service life for the Nugget Viaduct to the SERVICE PROVIDER for the required analyses.

Assumptions: None.

Exclusions: None.

Deliverables: None.

5.2 Nugget Viaduct Alternatives Evaluation

The objective of this task is to perform an evaluation of up to four (4) alternatives for the Nugget Viaduct and to recommend an alternative for selection by the DEPARTMENT to advance to high-level, 30% preliminary design as part of Task 6.0. One (1) of these four (4) alternatives includes FEIS Preferred Alternative #2.

The SERVICE PROVIDER will develop and recommend an evaluation approach for the DEPARTMENT's review. The SERVICE PROVIDER will first develop a criteria checklist, that incorporates the potential evaluation categories, and the measures used to define each category. This will consider life cycle cost, right-of-way, utilities, impacts to the Nugget Casino Resort, maintenance of traffic, constructability, and other criteria as agreed upon during the CRAVE Workshop Update. The measures created for each category will be defined as either qualitative or quantitative and identify a readily available data source to be used in evaluation.

The criteria checklist will also be presented to the CRAVE Workshop Update team, for review, editing and for concurrence.

Assumptions: Evaluation data shall be limited to data produced by the Tasks performed herein and data otherwise provided by the DEPARTMENT.

Exclusions: None.

Deliverables: None.

5.3 Nugget Viaduct Feasibility Study Report

The objective of this task is to provide a feasibility study report that presents a summary of the development, evaluation, recommendation and selection (by the DEPARTMENT) of an alternative for the Nugget Viaduct. A secondary objective is to provide 15% level preliminary concepts for the Nugget Viaduct sufficient to advance to a high-level, 30% level as part of the PROJECT in Task 6.0.

SERVICE PROVIDER will prepare a Nugget Viaduct Feasibility Study Report for the PROJECT to include the following:

- Executive Summary
- Background and Purpose
- Design Criteria
- Data Collection
- CRAVE
- Nugget Viaduct Alternative Development including Roadway, Structures, Demolition, Maintenance of Traffic, Nugget Casino Resort Impacts, and Life Cycle Costs
- Alternatives Evaluation and Recommendation
- Description of Selected Alternative
- Appendices:
 - 15% level preliminary bridge concepts
 - CRAVE Report and Update Technical Memo
 - Evaluation matrices
 - Life-cycle cost estimates

SERVICE PROVIDER will prepare a draft Nugget Viaduct Feasibility Study Report for DEPARTMENT review. Following receipt of final comments, SERVICE PROVIDER will schedule a comment resolution meeting with the DEPARTMENT. Following receipt of DEPARTMENT concurrence on comment responses discussed at the comment resolution meeting, SERVICE PROVIDER will prepare the final Nugget Viaduct Feasibility Study Report.

Assumptions: The draft Nugget Viaduct Feasibility Report comment resolution meeting will replace and/or coincide with one (1) of the monthly PMT meetings.

Exclusions: The Feasibility Study Report prepared as part of this Task 5.3 is specific to the Nugget Viaduct. No other alternative development, evaluation, or feasibility studies for the PROJECT are included in this Scope of Work.

Deliverables: SERVICE PROVIDER will provide draft and final Nugget Viaduct Feasibility Study Report in native (Word) and .pdf forms, and with supporting appendices.

6.0 30% PROJECT DESIGN

The objective of this task is to provide the 30% preliminary design for the PROJECT to include the selected alternative for the Nugget Viaduct. Work on this Task 6.0 is not expected to commence until the DEPARTMENT has selected an alternative for the Nugget Viaduct.

6.1 Roadway and Interchanges

The SERVICE PROVIDER will prepare the 30% preliminary roadway design for the PROJECT by advancing the preliminary design for Preferred Alternative #2 from the Reno Spaghetti Bowl FEIS Project to include geometrics and grade for I-80 mainline and ramps for the interchanges of I-80 with Kietzke Lane, Rock Boulevard, and Pyramid Way.

Assumptions: SERVICE PROVIDER will utilize survey data including aerial photography and digital terrain modelling files; proposed MicroStation *.dgn's (design files) and InRoads files from the Reno Spaghetti Bowl FEIS Project including proposed *.alg's (alignment files), *.dft's (drafting files), *.itl's (template files), and *.xin's (preference files) specific to, but not inclusive of FEIS Alternative #2; permit files; traffic data files; ITS facilities information. It is also assumed that the DEPARTMENT will provide the required pavement structural sections for the PROJECT.

Exclusions: Interim and temporary roadway concepts depicting geometrics and grade will not be provided.

Deliverables: SERVICE PROVIDER will provide the following: Title Sheet, Location Sheet, Typical Sections (representative of major changes in structural section properties), I-80 Mainline Profiles, Ramp Profiles, Location Control consisting of horizontal alignments only, and Permanent Striping. Drawings to be provided as 36" wide roll plot exhibits (in .pdf).

6.2 Drainage

The objective of this Task is to review the drainage analyses prepared for the Reno Spaghetti Bowl FEIS Project and to provide the 30% preliminary drainage analyses for the PROJECT based on Preferred Alternative #2 from the Reno Spaghetti Bowl FEIS Project and the prior drainage analyses conducted for the Reno Spaghetti Bowl FEIS Project.

The SERVICE PROVIDER will review the Drainage Criteria Memorandum for the Reno Spaghetti Bowl FEIS Project, April 2017, the Final Drainage Design Report for the Reno Spaghetti Bowl FEIS Project, July 2018 and the Design Report for the Reno Spaghetti Bowl FEIS Project, June 2019. Any exceptions to the data or analyses contained in the aforementioned reports will be discussed with the DEPARTMENT.

The SERVICE PROVIDER will prepare 30% preliminary hydrologic and hydraulic calculations and schematic designs for onsite and offsite drainage facilities and identify appropriate outfall locations for the PROJECT.

The SERVICE PROVIDER will prepare a draft and final memorandum update to Chapter 6 of the Final Drainage Design Report for the Reno Spaghetti Bowl FEIS Project, July 2018 with supporting 30% preliminary drainage drawings, recommended facility sizes and locations, and cost estimates for the PROJECT.

The SERVICE PROVIDER will coordinate its efforts for this Task with the DEPARTMENT's Hydraulics Section.

Assumptions: The previous drainage analyses prepared for the Reno Spaghetti Bowl FEIS Project accurately represents the hydrologic response in the offsite, tributary watershed to the PROJECT in such a manner that the data contained therein is useable and applicable to this PROJECT without major modifications or updates. SERVICE PROVIDER may rely on the watershed, rainfall and runoff data, and hydrologic information from the Reno Spaghetti Bowl FEIS Project as the basis for this Task. Slight modifications to the offsite hydrology may be required in order to more accurately reflect changes to drainage characteristics/patterns due to PROJECT alternative in the immediate vicinity of the I-80 corridor within the PROJECT limits. All electronic files from the previous hydrologic analyses will be provided to the SERVICE PROVIDER by the DEPARTMENT.

Exclusions: No new off-site hydrologic analyses will be performed except necessary updates as discussed above and agreed to by the DEPARTMENT.

A typical NDOT drainage report will not be prepared by the SERVICE PROVIDER, but rather drainage memorandum updates, as described above, will be prepared and delivered to the DEPARTMENT.

Detailed sizing and selection of drainage facilities such as drop inlet and catch basin types, and lateral storm drains will not be accomplished by the SERVICE PROVIDER as part of this effort.

Deliverables: The SERVICE PROVIDER will provide draft and final drainage memoranda in the form of an update to Chapter 6 of the Final Drainage Design Report for the Reno Spaghetti Bowl FEIS Project, July 2018. The SERVICE PROVIDER will provide 36-inch wide roll plot exhibits showing mainline storm drain alignments, preliminary inlet locations, outfall locations, culvert locations, detention pond locations, and mainline storm drain profiles in .pdf format.

6.3 Structures

The objective of this task is to provide the high-level, 30% preliminary bridge and other structure designs and cost estimates for the PROJECT. Preliminary designs for PROJECT structures will be advanced to a level that will allow an assessment of the square foot costs and impacts of the Nugget Viaduct and other bridges proposed for the PROJECT based on Preferred Alternative #2 from the Reno Spaghetti Bowl FEIS Project.

The SERVICE PROVIDER will develop high-level, 30% preliminary bridge configurations, width, spans, and structure type, for the replacement of the Nugget Viaduct based on the alternative selected by the DEPARTMENT pursuant to Task 5.3. Approximate quantities will be calculated from the preliminary designs and will be used with typical unit prices and square foot costs to provide cost estimates. Preliminary foundation types, sizes, and locations will be used to determine the potential impacts to utilities, buildings, or other facilities.

The SERVICE PROVIDER will also prepare the high-level, 30% preliminary bridge designs for the I-1002, H-1003, I-1005, and I-1006 bridge replacements and westbound I-80 exit ramp bridges at Kietzke Lane and Prater Lane based on Preferred Alternative #2 from the Reno Spaghetti Bowl FEIS Project together with wall locations and conceptual layouts required for the PROJECT. Approximate quantities will be calculated from the preliminary designs and will be used with typical unit prices and square foot costs to provide cost estimates. Preliminary conceptual foundation layout and types will be used to determine the impacts to utilities, buildings, or other facilities.

The costs for atypical structure types and challenging construction conditions will be based on increased unit costs and SERVICE PROVIDER's national experience with similar structure types.

Assumptions: For the high-level, 30% preliminary design of the PROJECT and associated cost estimates, wall types will be assumed as either cantilever retaining or mechanically stabilized earth with standard DEPARTMENT sections where applicable and subject to verification of soil properties informed by the limited geotechnical analyses performed as part of Task 3.4.3.

Exclusions: The SERVICE PROVIDER will not be providing a contractor style, time and materials, cost estimate.

Deliverables:

- Bridge Front Sheets, showing bridge layout and geometry
- Bridge Cost Estimates: including bridge cost estimates and probable ranges based historical unit prices for use alternative comparisons and cost risk analyses

Any opinions of probable project cost or probable construction cost provided by SERVICE PROVIDER are made on the basis of information available to SERVICE PROVIDER and on the basis of SERVICE PROVIDER's experience and qualifications, and represents its

judgment as an experienced and qualified professional engineer. However, since SERVICE PROVIDER has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s') methods of determining prices, or over competitive bidding or market conditions, SERVICE PROVIDER does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost SERVICE PROVIDER prepares.

6.4 Traffic, Lighting, and ITS

The objective of this task is to provide the high-level, 30% preliminary design and cost estimates for the traffic, signals, lighting, signage, and intelligent transportation system improvements on the PROJECT.

SERVICE PROVIDER will prepare high-level, 30% preliminary plans including layouts showing high mast light pole locations in accordance with applicable standards and design criteria.

The SERVICE PROVIDER will identify preliminary locations for electrical service points.

The SERVICE PROVIDER will prepare a high-level, 30% preliminary roll plot that includes all overhead signs. This will include the panel layout only.

The SERVICE PROVIDER will prepare a high-level, 30% preliminary roll plot that includes ITS devices and fiber optic backbone. This includes reestablishing fiber connections impacted by PROJECT, including relocating existing fiber optic within the project limits as required. The design will evaluate the need for an additional fiber hub. ITS equipment will also be relocated as necessary and shown on the roll plot.

SERVICE PROVIDER will develop plans including layouts showing locations of traffic signal poles, signal heads, controller cabinet and electrical services.

Assumptions: It is assumed that no warrant analysis will be necessary for these signals and warrant analysis would be considered outside this scope of services. It is assumed that no lighting analysis will be necessary as part of this scope of work. High mast light poles will be placed at approximate locations and the lighting plans will show only high mast poles. The DEPARTMENT will provide the SERVICE PROVIDER with location/plans for all existing ITS equipment.

SERVICE PROVIDER will use traffic analysis from the Reno Spaghetti Bowl FEIS Project as the basis for design Tasks, including the model results for lane configuration, turn bay lengths and traffic signals. It is assumed that model covers the project limits for the alternatives and, are sufficient for the design of this PROJECT as presented in the FEIS for the Reno Spaghetti Bowl Project, and that no additional traffic modeling will be necessary for traffic and ITS design.

Exclusions: This task will include major items of work, and will not include pull boxes and incidental items.

Deliverables: Roll plot depicting high mast light poles, fiber optic backbone and ITS equipment, power sources, overhead signing, signal poles, signal heads, and controller cabinet locations.

6.5 Right-of-Way/Utilities

The objective of the right-of-way portion of this task is to identify the parcels that may be affected by the PROJECT using the data collected in Tasks 3.3 and 3.4.1 and the 30% preliminary design for the PROJECT. This identification will be used to approximate the right-of-way needs for the PROJECT.

SERVICE PROVIDER, in coordination with their Subconsultant, will perform an overlay of the 30% preliminary design for the PROJECT on the right-of-way mapping gathered as part of Task 3.3 and the parcel mapping prepared as part of Task 3.4.1 and prepare a summary of parcels affected by the PROJECT. This summary will identify the individual parcels potentially affected, total number, types, and approximate acreages of parcels affected, and will also identify if the PROJECT footprint extends to the full or partial limits of the parcels.

Assumptions: Right-of-way data received from the DEPARTMENT and parcel boundary data received from Washoe County is assumed to be sufficiently accurate for the purpose of this task without verification by the SERVICE PROVIDER.

Exclusions: No field surveys, right-of-way engineering, appraisal or acquisition support services will be provided by the SERVICE PROVIDER.

Deliverables: PROJECT limits overlain on parcel mapping will be provided on 36" wide roll-plot drawings in .pdf format.

The objective of the utilities portion of this task is to identify the utilities that may be affected by the PROJECT using the data collected in Tasks 3.4.2 and the 30% preliminary design for the PROJECT. This identification will be used to approximate the potential utility impacts and associated costs for the PROJECT.

SERVICE PROVIDER, in coordination with their Subconsultant, will perform an overlay of the 30% preliminary design for the PROJECT on the utility mapping prepared as part of Task 3.4.2 and prepare a matrix of utility conflicts. The SERVICE PROVIDER will then propose a resolution to noted conflicts and prepare a conceptual cost estimate for resolution of utility conflicts for the PROJECT.

Assumptions: Utility data received from the area utility providers is assumed to be sufficiently accurate for the purpose of this task without field verification by the SERVICE PROVIDER.

Exclusions: No field utility locating or surveying services will be provided by the SERVICE PROVIDER except as otherwise provided for in Task 3.4.2.

Deliverables: PROJECT limits overlain on ASCE Quality Level "D" utility mapping will be provided on 36" wide roll-plot drawings together with a utility conflict matrix in .pdf format.

6.6 Interim Connections to Reno Spaghetti Bowl Project

The objective of this task is to advise the DEPARTMENT of risks with respect to the 30% preliminary design for the PROJECT prepared by the SERVICE PROVIDER and the planned interim connections as part of Phase 1 of the Reno Spaghetti Bowl Project.

The SERVICE PROVIDER will review the planned improvements for the Reno Spaghetti Bowl FEIS Project, assess risks for interim connections, and provide recommendations on potential conceptual solutions with regard to design, phasing, constructability, maintenance of traffic, and other opportunities for improvement.

Assumptions: None.

Exclusions: None.

Deliverables: Summary memorandum providing descriptions of areas of risk noted by the SERVICE PROVIDER, improvement options and approximate costs, and recommendations for consideration by the DEPARTMENT together with conceptual (fat-line) roll plot drawings and/or sketches in .pdf format.

6.7 Reno Spaghetti Bowl FEIS/ROD Compatibility Review

The objective of this task is to verify compliance with the FEIS/ROD for the Reno Spaghetti Bowl Project for the 30% preliminary design prepared by the SERVICE PROVIDER for the PROJECT, and to identify risks to such compliance posed by such design and seek direction from the DEPARTMENT on further actions.

The SERVICE PROVIDER will prepare a qualitative matrix that identifies elements, if any, of the 30% preliminary design elements developed for the PROJECT that represent a risk to the objectives of and/or compliance with the FEIS/ROD. This spreadsheet will identify the specific areas in the FEIS/ROD where risks exist.

Assumptions: None

Exclusions: None

Deliverables: The SERVICE PROVIDER will provide a qualitative matrix in Excel format (.xls) that identifies areas noted of potential risk, if any, to FEIS/ROD compliance resulting from the implementation of the 30% preliminary design for the PROJECT.

6.8 Cost Estimates

The objectives of this cost estimating Task 6.8 are as follows:

- To prepare a risk-based cost estimate for the PROJECT in accordance with the DEPARTMENT's Risk Based Cost Estimating Guidelines
- To inform the cost estimate for the PROJECT with data from applicable tasks herein including the CRAVE Workshop and CRAVE Workshop Update

SERVICE PROVIDER will prepare the high-level, 30% preliminary cost estimate for the PROJECT in accordance with the DEPARTMENT's Risk Based Cost Estimating Guidelines.

Assumptions: Where applicable and appropriate, the SERVICE PROVIDER will use DEPARTMENT-provided historical unit price cost estimating resources for this task.

Any opinions of probable project cost or probable construction cost provided by SERVICE PROVIDER are made on the basis of information available to SERVICE PROVIDER and on the basis of SERVICE PROVIDER's experience and qualifications and represents its judgment as an experienced and qualified professional engineer. However, since SERVICE PROVIDER has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s)' methods of determining prices, or over competitive bidding or market conditions, SERVICE PROVIDER does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost SERVICE PROVIDER prepares.

Exclusions: No production-based cost estimating will be performed.

7.0 PROJECT BENEFIT/COST ANALYSIS

The PROJECT is the culmination of a number of previous studies by the Regional Transportation Commission and the Reno Spaghetti Bowl FEIS/ROD by the DEPARTMENT to identify, prioritize, and implement safety improvements specifically along I-80 east of the Reno Spaghetti Bowl to the East McCarran Boulevard interchange. The objective of the Benefit/Cost Analysis (BCA) for the PROJECT is to perform an economic analysis of the PROJECT improvements based on the 30% preliminary design prepared as part of Task 6.0.

The SERVICE PROVIDER will follow a five-step process for this economic analysis.

Step 1: Define Baseline and Alternative Scenarios

The SERVICE PROVIDER will estimate PROJECT benefits to a no-build scenario that factors in less capital-intensive improvements than the PROJECT being considered. The scenarios are expected to be defined as:

- a) The “No-Build” scenario
- b) One (1) “Build” scenario represented by the 30% preliminary design prepared by the SERVICE PROVIDER with the intent of improving traffic capacity, operations, and safety on I-80 within the PROJECT limits.

Step 2: Identify Public Benefit Categories

This step formalizes the public benefit categories to be evaluated. Included in this step is a strategy session during which the various components of the PROJECT need to be discussed with the DEPARTMENT to specify the benefit categories to be included in the BCA. The SERVICE PROVIDER will estimate benefits using assumptions consistent with the DEPARTMENT’s latest Performance Management Report. The SERVICE PROVIDER will run a modified version of the California Benefit/Cost Analysis (Cal-B/C v7.2) or Cal-B/C v7.2 Corridor using up to date traffic provided by the DEPARTMENT and relevant current efforts. The SERVICE PROVIDER also will estimate the overall benefits of the PROJECT using current travel data, travel forecasts, and safety information available in Cal-B/C Corridor. The SERVICE PROVIDER will quantify and monetize travel time savings, vehicle operating cost savings, crash cost savings, and emission cost savings. If detailed data is available, the SERVICE PROVIDER will capture some additional benefits such as the residual value of infrastructure being built and travel time reliability. Other improvements more difficult to include will be described qualitatively.

Step 3: Develop and Code Benefit-Cost Model Logic

For each of the benefit categories identified in Step 2, the SERVICE PROVIDER will develop logic models that graphically depict the method for calculating and monetizing PROJECT benefit. The logic model will be populated with the most up-to-date information available. The SERVICE PROVIDER will collect inputs from a variety of sources including the DEPARTMENT, USDOT guidance, and other project documentation (e.g., Feasibility Study, Environmental Impact Statement, cost estimates, etc.). SERVICE PROVIDER can use output from existing travel demand or micro-simulation models provided by the DEPARTMENT. The SERVICE PROVIDER will conduct a thorough review of the data provided by the DEPARTMENT in order to extract the relevant data for the BCA including traffic data for the no build and build scenario and crash data. This data will need to be processed for input into Cal-B/C Corridor. There are some parameters (e.g., emission rates) that should be specific to Northern Nevada. For this BCA, the standard Cal-B/C assumptions and economic values need to be modified to adhere to the requirements stipulated by the DEPARTMENT.

Step 4: Produce Benefit-Cost Results, Test Sensitivity of Results against Key Variables, and Conduct Quality Control (QC) of the BCA Model

In this step, key variables will be flagged for testing and the model will be re-run and results generated based on key material events. The SERVICE PROVIDER will conduct a thorough QC check of the BCA model to verify benefits are quantified and monetized accurately in compliance with the Quality Management Plan.

Step 5: Provide Results

The SERVICE PROVIDER will deliver to DEPARTMENT the BCA model, model outputs, and a final report (in Word and PDF formats) that summarizes the analytical procedure and results. BCA analytical results will be provided with traditional benefits and with all benefits including additional benefits. The report will describe the evaluation approach, describe the data and assumptions used, and summarize the results (such as net present value, internal rate of return, payback period, and benefit-cost ratio) of the BCA and the sensitivity analyses concluded. The report will also describe limitations of the analysis (e.g., software, data, etc.). The SERVICE PROVIDER will provide details in an appendix for clarity if needed.

Deliverables:

- Analytical models and programs with calibrated parameters, inputs, and outputs
- Final Benefit/Cost Report

8.0 PROJECT PHASING

The objective of this task is to prepare an evaluation of potential phasing scenarios for the PROJECT such that the DEPARTMENT may make informed decisions on optimum PROJECT phasing.

SERVICE PROVIDER will develop high-level schedules in MS Project format for delivery of the PROJECT alternative considering three (3) differing project delivery methods (Design-Bid-Build (DBB), Design-Build (DB), and Construction Manager at Risk (CMAR)); schedule logic and durations for designer (and/or Contractor) procurement, design, right-of-way acquisition, utilities, agreements, permitting, private property relocations and/or reconstruction, and phased PROJECT construction considering MOT, demolitions, and other construction contract sub-phases. Consideration will be given to the schedule risk identified in the CRAVE Workshop Update and to phasing of separable subprojects within the PROJECT.

Assumptions: Schedules will be prepared in MS Project format.

Exclusions: Schedules will not contain resource loading data.

Deliverables: SERVICE PROVIDER will provide schedule scenarios in native (.mpp) and .pdf formats together with a draft and final memorandum report summarizing the schedule data and providing PROJECT phasing recommendations.

9.0 PROJECT DELIVERY SELECTION APPROACH (PDSA)

The objective with preparation of the PDSA is to provide a data-driven approach to determining the optimum delivery method for the PROJECT, or separable phases thereof, informed in part by the schedule data provided as part of Task 8.0.

SERVICE PROVIDER will support the DEPARTMENT in developing, preparing, and presenting the PDSA documentation and memo for DEPARTMENT review and approval. Work includes one (1) half day workshop in the Reno/Carson City area to accomplish this task.

The PDSA will 1) establish/document project information; 2) define preliminary PROJECT goals, challenges, and opportunities; 3) score/rank the delivery methods available to the DEPARTMENT for the final design and construction of up to four (4) PROJECT phases (to include consideration of DBB, DB, and CMAR); and 4) prepare the results and supporting memorandum for approval.

Assumptions: One (1) workshop-style meeting in the Reno/Carson City area to discuss PROJECT details and delivery options, present the documentation and develop pre-final recommendations for the PDSA.

Exclusions: None.

Deliverables: SERVICE PROVIDER will provide the Project selection memorandum, including the PDSA matrix and backup documentation.

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): 83

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

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

Yes No

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

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

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


 Signature Craig Smart, PE
 Print Name
Associate Vice President
 Title
September 21, 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 2

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

310-20-030
For Agreement Services Only

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

Initial Budget Request Request for Amendment #: Agreement #: 310-20-030

If Amendment, name of Company: Horrocks Engineers

Project ID #(s): SP-000M(282)

Type of Services: Subsurface Utility Engineering Serices

Originated by: Joshua Trowbridge Division: Right-of-Way Date Originated: 6/22/2020

Division Head/District Engineer: Craig Reynoldson

Budget Category #: 06 Object #: 813G Organization #: C030

Estimated Cost: \$1,400,000.00 Type of Funding: State % of Fund: 100

Funding Notes: for SUE services to be performed on US 50, Douglas County State Fiscal Year(s): 2021

IT Review:

Signature Date

Financial Management:

Kristen Greenhut 12/17/2020

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:

KMcKee 12/17/2020

Signature Date

Director:

Kristina Swallow 12/17/2020

Signature Date

Attachments:

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

If Amendment, attach original Agreement here:

Any additional information to attach:

Purpose of, and Justification for, Budget Request:

This 2A amendment request is to increase the total amount by \$300,000.00, from \$1,100,000.00 to \$1,400,000.00, due to traffic control costs being underestimated in the initial estimate. The initial 2A was submitted after performing an initial estimate for the SUE costs on this project. After completing negotiations with the selected company, the cost of the SUE work itself was very close to the estimate, however traffic control costs were higher than the initial estimate. Traffic control costs have been increasing across the board, especially in District II, where this project is located. The increase in traffic control is required for the company to meet District II traffic control guidelines and safely complete the required scope of work for this project.

Scope of Services:

Perform Subsurface Utility Engineering (SUE) designating services to indicate the approximate horizontal location of existing below ground and above ground utilities using ASCE Standard 38-02 Quality Level D, C and B to support the engineering design requirements and construction plans. Quality Level D designation will include compilation of utility information plotted on drawings based on record information, individual recollections, or the existence of utility service(s). Quality Level C designation will include field verified survey of visible, above ground utility features such as poles, hydrants, etc., all quality levels defined per ASCE Standard 38-02 guidelines. Quality Level B designation will include requiring contractor to employ appropriate geophysical equipment to search for subsurface utilities within the project limits, both visible and non-visible per ASCE Standard 38-02 guidelines.



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

MEMORANDUM

December 9, 2020

TO: Jeff Lerud, Assistant Director of Engineering

FROM: Joshua Trowbridge, Project Manager *JT*

SUBJECT: Negotiation Summary for RFP 310-20-030, Subsurface Utility Engineering (SUE) Services for US 50, Douglas County

A negotiation meeting was held on Microsoft Teams on 12/2/2020, with Horrocks Engineers and Joshua Trowbridge of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at Five percent (5%).

The duration of this agreement will be for approx. 1.5 years, ending on July 31, 2022.

The budgeted amount of this Agreement is comprised of 0% Federal / 100% State Funding.

The Scope of Services was reaffirmed by both parties at the outset:

SEE ATTACHED SCOPE OF SERVICE.

The following schedule was agreed to by both parties:

Date	Task to be Completed
August 31, 2021	Designation Completion
September 30, 2021	Designation Deliverables
April 30, 2022	Test Hole Completion
May 31, 2022	Test Hole Deliverables

Key personnel dedicated to this project are as follows:

Name	Title	Estimated Number of Hours
Bud Swensen, PE	Project Manager	436
Wayne Horlacher	Principal-in-Charge	16
Kenny Ward	Project Engineer	348
Dale Zachary	SUE Manager	448
	Total Hours:	1248

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


The DEPARTMENT's original estimate was \$1,098,969.85 {including direct labor (3954 man-hours of work by the SERVICE PROVIDER), and direct expenses at \$603,749.35.}

The SERVICE PROVIDER's original estimate was \$1,468,320.00, {including direct labor (4440 man-hours of work by the SERVICE PROVIDER), and direct expenses at \$1,011,520.00.}

The negotiations yielded the following:

1. The direct expenses agreed to total \$943,350.00 for sub-consultants, reproduction, communication, travel and per diem. There will be no direct compensation for computer time.
2. The total projected man-hours allocated for this project is 4440.
3. The total negotiated cost for this Agreement is \$1,398,640.00.
4. The bulk of the increase from the DEPARTMENT's estimate to the final negotiated amount is due to increased traffic control costs estimates due to the unique traffic and tourism concerns in the Lake Tahoe Area.

Reviewed and Approved:

DocuSigned by:

E0C1947A442E435...

Assistant Director

Scope of Services
Project: SP-000M(282) EA: 74249

1. Perform Subsurface Utility Engineering (SUE) designating services to indicate the approximate horizontal location of existing below-ground and above ground utilities using ASCE Standard 38-02 Quality Level D, C and B to support the engineering design requirements and construction plans. Quality Level D designation will include compilation of utility information plotted on drawings based on record information, individual recollections or the existence of utility service(s). Quality Level C designation will include field verified survey of visible, above ground utility features such as poles, hydrants, etc., all quality levels defined per ASCE Standard 38-02 guidelines. Quality Level B designation will include requiring contractor to employ appropriate geophysical equipment to search for subsurface utilities within the project limits, both visible and non-visible per ASCE Standard 38-02 guidelines.
2. Quality level-C designation shall include vertical locations and elevations of all pipes within accessible structures including but not limited to: sanitary sewer and storm drain manholes as well as storm drain drop inlets within the project limits. Data shall include quantity of inlets and outlets with direction.
3. Perform Subsurface Utility Engineering (SUE) locating services by excavating approximately three hundred sixty (360) test holes at locations provided by the DEPARTMENT. (The final number of test holes may be higher or lower than the approximate number given.) Actual Test Hole locations will be determined in the field based upon location of designated utility in proximity to cattleguard locations. Test holes shall be accomplished using specialized vacuum excavation equipment. The techniques and methodologies used are dependent upon the surface material encountered (dirt, asphalt, concrete) and the composition of the surrounding soils. (The DEPARTMENT prefers the use of an air-lance Method.)
4. Provide data including the northing, easting, elevation and station/offset of the exact horizontal and vertical locations (+/- .10') of the utility facility along with the material construction of the facility, the outside diameter of the facility and when possible, the ownership of the facility. X, Y, & Z, data points will be included in electronic files as well as PDF attachments.
5. Provide all relevant data to DEPARTMENT in a legible and professional format that is Microstation (DGN) and InRoads compatible, and as a separate PDF attachment.
6. Supply all equipment, personnel, and supplies needed to perform the before mentioned service, and provide the DEPARTMENT in both electronic DGN (MicroStation) and PDF formats the utility data and linework. The work is to be done within NDOT Right-of-Way along US 50 in the Lake Tahoe area, from Stateline to Spooner Summit, from Highway Engineer's Station "A" 10+00 to Highway Engineer's Station "A2" 61+00, approximate MP DO 0.00 to approximate MP DO 13.26, within existing NDOT Right-of-Way, as shown on Exhibit A. Generally speaking, work will be done from NDOT right-of-way to right-of-way and NDOT right-of-way to the Highway centerline, as shown on Exhibit A.

7. Provide survey information for location of existing poles and height of overhead utility lines within designation limits listed above. Provide type and ownership of surveyed overhead lines. Survey to be completed during designation operations.
8. Survey data and elevations shall be tied to NDOT survey monuments and must comply with the Location Divisions utility survey standards in the Location Division Consultant Manual. The Location Divisions survey standards Consultant Manual can be found at:
<https://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/engineering/location>.

Please contact the NDOT Geodesy section to obtain information regarding NDOT monuments. You may also utilize the Location Division's online Location Information System (LOIS) with the link provided.

NDOT Geodesy
1263 S. Stewart Street
Carson City, NV 89712
(775) 888-7255 or (775) 888-7256
geodesy@dot.nv.gov
maps.nevadadot.com/Lois

9. Provide all coordination and project management services necessary to successfully complete the scope of work defined within. This includes, but is not limited to, monitoring and reviewing the progress of work, negotiation and preparation of any necessary sub-consultants for work not specifically provided by SERVICE PROVIDER.
10. Review the proposed project plans, and utility red-lines and data with client (NDOT and/or Appointed Representative) and assist in the development of a proposed test-hole plan as needed by the DEPARTMENT. This plan shall be developed through analysis of ASCE Quality Level D, C, and B SUE information and compared with the proposed project improvements to help determine the precise location of each test hole.
11. Obtain all necessary permissions, including, but not limited to, submission and approval of traffic control plans from NDOT District 2 and local jurisdictions as required, prior to commencement of work.
12. Notify USA North a minimum of 48 hours prior to beginning test-hole activities.
13. Coordinate with utility owners when standby personnel are required during test-hole activities.
14. Provide traffic control as required using personnel who are ATSSA Traffic Control Certified, including a certified ATSSA Traffic Control Supervisor.
15. Comply with all local policies and standards.
16. Use a coring process that allows for a clean and flush pavement restoration and provide all labor and equipment to core the pavement/concrete and ensure backfill and pavement repair are in completed in compliance with NDOT and/or local jurisdiction standards.

17. In the event of damage to an excavated utility, contractor shall cease work and immediately notify the utility owner and NDOT.
18. After data has been collected, the scope of services shall include preparation and presentation of detailed reports showing anticipated areas of utility conflict including, but not limited to cross sections showing the utility in relation to the construction conflict. Proposer shall also be readily available to meet with client (NDOT and/or Appointed Representative) to discuss and/or answer additional questions that arise as a result of SUE findings.
19. Night work may be required.
20. Comply with all requirements contained in the underlying Master Agreement Request for Proposal.

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 3

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

390-20-040
For Agreement Services Only

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): 60609, 74221

Type of Services: Construction Engineering Services

DS
SF

Originated by: Tonia Andree Division: Construction Date Originated: 09/21/2020

DS
LM

Division Head/District Engineer: Sharon Foerschler

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

Type of Funding: Federal % of Fund: 95 State Fiscal Year(s): FY 21,22

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$1,815,908.22

Funding Notes: \$892,421.88 in FY 21, \$923,486.34 in FY22

Financial Management:

DocuSigned by:
Donna Spelts 09/23/2020
8ABC3985622490... _____
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 Meeker 09/23/2020
9E9F10973C1B46E... _____
Signature Date

Director:

DocuSigned by:
Kristina Swallow 09/24/2020
C4B612FC2C1E4FB... _____
Signature Date

**STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION**

For Agreement Services Only
390-20-040

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 crew workload, continued vacancies in District II, and the remote location of this project, the Construction Division is requesting approval to proceed with the solicitation to provide construction crew augmentation services.

Scope of Services:

The scope of services includes providing Construction Engineering Services for the Augmentation of Crew 904 for the oversight of the I-80 Rye Patch 3R Project, Project ID 60609, 74221, Project No. NHP-080-2(057), Contract No. 3845. The estimated duration for this contract is 160 working days.



1263 South Stewart Street
 Carson City, Nevada 89712
 Phone: (775) 888-7460
 Fax: (775) 888-7201

MEMORANDUM

December 4, 2020

TO: Jeffrey Lerud, Assistant Director, Engineering

FROM: Tonia Andree, Project Manager

SUBJECT: Negotiation Summary for RFP 390-20-040 Construction Augmentation Services of Crew 904 for the Oversight of Contract 3845, I-80 Rye Patch 3R and Frontage Road Project, in Pershing County

A negotiation meeting was held via Microsoft Teams on December 3, 2020, with Reid Kasier and Ruedy Edgington with HDR and Rick Bosch, Sam Thompson, and Tonia Andree of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at two and five tenths percent (2.5%).

The duration of this agreement will be for approximately thirteen (13) months, ending on February 28, 2022.

The budgeted amount of this Agreement is comprised of 95% Federal 5% State Funding.

The Scope of Services was reaffirmed by both parties at the outset, see attachment A.

Key personnel dedicated to this project are as follows:

Name	Title
Brad Durski	Assistant Resident Engineer
Bruce Sellars	Inspector Level IV
Mike Pendergraft	Inspector Level IV

Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Agreement No.
Construction Materials Engineers	District II On-Call	P448-20-040
	Parr Blvd C905 Augmentation (Sub)	P742-19-040
	US 50 Widening C907 Augmentation (Sub)	P212-18-040
Quality Construction Testing Services, Inc. (DBE)	SBX Testing C913 Augmentation	P781-19-040
	District II Betterments (Sub)	P539-19-040

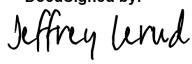
The DEPARTMENT's original estimate was \$1,815,908.22 including direct labor and expenses.

The SERVICE PROVIDER's original estimate was \$1,699,934.00 including direct labor and expenses.

The negotiations yielded the following:

1. Agreed to an added value position to assist testing coordination. The testing coordinator will be allowed to bill up to a total of two (2) hours per month.
2. All over-time will be pre-approved by the Resident Engineer. Approvals will be included with the monthly invoices as backup documentation. Overtime is accrued after forty (40) regular hours are worked in a week.
3. The Principal Engineer will be allowed to bill up to a total of eight (8) hours per month.
4. Agreed to hourly rates based on current averages.
5. The total projected man-hours allocated for this project is 9,259.
6. The total negotiated cost for this Agreement is \$1,732,892.00. This amount is above the service provider's original estimate due to the addition of hours for the testing coordinator, and a correction a calculation error.

Reviewed and Approved:

DocuSigned by:
 12/04/2020
E0C1847A442E43E...
Assistant Director, Engineering

Attachment A

CONSTRUCTION AUGMENTATION OF CREW 904 FOR THE OVERSIGHT OF CONTRACT 3845, I-80 RYE PATCH 3R AND FRONTAGE ROADS PROJECT

SCOPE OF SERVICES

The SERVICE PROVIDER agrees to perform professional and technical engineering services to ensure that the construction of Contract 3845, Project NHP-080-2(057), I-80 Rye Patch 3R and Project SPFR-PE09(003), I-80 Rye Patch Frontage Roads, both in Pershing County are accomplished in conformance with the plans, specifications, and all other contract documents.

The SERVICE PROVIDER shall provide one (1) Assistant Resident Engineer, two (2) level IV Inspectors, two (2) level III Inspector/Testers, two (2) nuclear gauges, a fully equipped and functional lab trailer, trucks, and cell phones. The Assistant Resident Engineer and Level IV Inspectors 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 Assistant Resident Engineer shall be certified that is 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), surveying, 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.

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

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 all items as specified in Attachment F. 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.

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): 82

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

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 W. Smart, PE
Print Name

Associate Vice President
Title

December 3, 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 4

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

405-19-052Amd2

For Agreement Services Only

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

Initial Budget Request Request for Amendment #: Agreement #: 405-19-052

If Amendment, name of Company: WH Consulting

Project ID #(s): n/a

Type of Services: Compliance Consulting

Originated by: Teresa Schlaffer Division: C052 External Civil Rights Date Originated: 11/25/2020

Division Head/District Engineer: Sonnie Braih

Budget Category #: 06 Object #: 813W Organization #: 052

Estimated Cost: \$150,000.00 Type of Funding: State % of Fund: 100

Funding Notes: State Fiscal Year(s): 2021

IT Review:

Signature Date

Financial Management:

dspelts 12/7/2020

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:

KMcKee 12/7/2020

Signature Date

Director:

Kristina Swallow 12/7/2020

Signature Date

Attachments:

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

If Amendment, attach original Agreement here:

Any additional information to attach:

Purpose of, and Justification for, Budget Request:

Over the last several years the workload in Contract Compliance has more than tripled while the staffing levels have remained the same: 1 Compliance Manager, 1 Audit Investigator III, 2 Audit Investigator IIs, and, 1/3 of an Admin Assistant (shared with the rest of the Division). Contract Compliance currently oversees a more than \$2 billion dollar portfolio. The portfolio dollar level fluctuates, as projects close and new projects are started, but has remained around the \$2 billion mark consistently. The true impact to Contract Compliance has not been an increase in dollar value but an increase in Federal and State programs and regulations, the dropping of the threshold for prevailing wage from \$250K to \$100k in the 2019 NV legislative session, and the NV Supreme Court Lombardier decision, making most maintenance contracts subject to prevailing wage, has more than doubled the number of contracts we are required to monitor. The FHWA DBE corrective action plan from 2018 has added an additional 20 professional service agreements, per year, for monitoring. A directive from the FHWA, has added complete Compliance oversight of LPA projects. An action plan from the FHWA now requires us to complete 3 full compliance reviews every year, each taking about 280 staff hours to complete.

Scope of Services:


Provide professional services to ensure compliance with State and Federal regulations, and NDOT specifications on NDOT construction contracts, including, but not limited to, certified payroll monitoring, labor compliance and subcontractor compliance. Provide at least one Full Time Equivalent (FTE) which will work under the direct supervision of the Contract Compliance office. Travel to NDOT construction crew field offices may be required throughout the life of the contract; The FTE provided will possess the experience, knowledge and character to adequately perform the requirements in accordance with State and Federal regulations and NDOT specifications.



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

MEMORANDUM

December 9, 2020

TO: Cole Mortensen, Deputy Director
FROM: Teresa Schlaffer, Contract Compliance Manager 
SUBJECT: Negotiation Summary for Amendment #2 to Agreement 405-19-052

On September 16, 2019, NDOT entered into agreement 405-19-201 with WH Consulting to perform Compliance Monitoring.

The Scope of Services remains the same: provide professional monitoring services to ensure compliance with State and Federal regulations and Department specifications on construction contracts including, but not limited to, certified payroll monitoring, labor compliance, and subcontractor compliance.

Due to the continuing need for compliance monitoring assistance, the agreement must be increased by \$150,000 for a total agreement amount of \$414,000.00.

This amendment extends the agreement, through State FY21, with a new end date of July 31, 2021.

The negotiations yielded no changes to costs for this agreement, simply an extension of time resulting in an increase of \$150,000.00 for a total agreement amount of \$414,000.00

Reviewed and Approved:

DocuSigned by:


5F9A0E81C54047A...

12/09/2020

Deputy Director

SCOPE OF SERVICES

Minimum Qualification Requirements:

1. Provide one (1) Full Time Equivalent (FTE) who will work on-site, at DEPARTMENT Headquarters, under the direct supervision of the Contract Compliance office. The FTE will have a minimum of three (3) years of experience monitoring contracts for compliance with Nevada prevailing wage regulations (NRS 338) or DBRA regulations, monitoring apprentice or training programs, monitoring contracts for attainment of Civil Rights goals, monitoring government construction contracts for compliance with Equal Employment Opportunity (EEO), and three (3) years general office experience.
2. FTE will have the ability and means to travel to DEPARTMENT construction crew field offices as required. Travel costs will be reimbursed at the current rates allotted to state employees.

The SERVICE PROVIDER shall provide personnel (FTE) to perform compliance monitoring services, on assigned contracts, to ensure the State, Federal and DEPARTMENT requirements are being met. FTE will provide support and training to contractors and subcontractors on regulations and use of the DEPARTMENT's compliance monitoring software programs. Travel to DEPARTMENT field crew offices or other locations may be necessary for operations support. The Service Provider and personnel provided shall be familiar with the standard practices and processes of the DEPARTMENT.

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):

WH Consulting

5. Corporate/Business Entity Street Address:

Street Address: 398 Ruby Lane	Website:
City, State and Zip Code: Carson City, NV 89706	Point of Contact Name: Wendy L. Hill
Telephone and Fax No. 775-220-2777	Email: wendyweitzel65@gmail.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.	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
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.

Wendy L. Hill
Signature

Owner
Title

Wendy L. Hill
Print Name

December 9, 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 5

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

526-20-805

For Agreement Services Only

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

Initial Budget Request Request for Amendment #: Agreement #:

If Amendment, name of Company:

Project ID #(s): Asset Extraction Agreement

Type of Services: Services Agreement

Originated by: Gaelen Lamb Division: Roadway Systems Date Originated: 11/03/2020

Division Head/District Engineer: Bob Madewell

Budget Category #: A06 Object #: 813W Organization #: B805

Estimated Cost: \$804,240.00 Type of Funding: State % of Fund: 100.00%

Funding Notes: Budgeted amount for FY2021 is 80% and State Fiscal Year(s): FY2021&FY2022
Budgeted amount for FY2022 is 20%

IT Review:

Signature Date

Financial Management:

dspelts 11/17/2020

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:

KMcKee 11/17/2020

Signature Date

Director:

Kristina Swallow 11/17/2020

Signature Date

Attachments:

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

If Amendment, attach original Agreement here:

Any additional information to attach:

Purpose of, and Justification for, Budget Request:

For this project, Mandli will process approximately 10,644 lane miles of roadway data to establish an asset inventory for the NDOT asset management program. The coverage map to the right highlights NDOT's state network from which Mandli will extract roadway asset data. Assets Mandli will extract include lane reports, guardrails, railroad crossings, and vertical and horizontal clearance measurements beneath structures. Deliverables will include an updated RVDAT file with all assets assigned to their appropriate routes for easy integration into Roadview Explorer. Shapefiles will also be provided for all point, linear, and polygonal assets, and database files for all point, linear, and polygonal assets.

Scope of Services:

see attached upload



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

MEMORANDUM

November 18, 2020

TO: Sondra Rosenberg, PTP, Assistant Director, Planning

FROM: Gaelen Lamb, Assistant Chief, Roadway Systems DocuSigned by: Gaelen Lamb 745F8E0D8E744CA...
 Bob Madewell, Division Chief, Road Data and Research DocuSigned by: Madewell, Robert D. CA7E16596E75469...

SUBJECT: Negotiation Summary for Agreement #526-20-805

A negotiation meeting was held with the Nevada Department of Transportation in Carson City, NV, on October 20, 2020 via TEAMS meeting with Mandli Communications Inc., and Roadway Systems of the Nevada Department of Transportation (DEPARTMENT).

The duration of this agreement will be for 7 months and 15 days, beginning February 1, 2021 and ending on September 15, 2021.

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

The Scope of Services was reaffirmed by both parties at the outset: See attachment A

The following schedule was agreed to by both parties:

Date	Task to be Completed
2-1-2021 to 9-15-2021	Asset Extraction from Video Lidar driven state-owned roads
	*as outlined in attachment A

Key personnel dedicated to this project were not specified or requested.

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

The DEPARTMENT's original estimate was \$550,000.00

The SERVICE PROVIDER's original estimate was \$1,343,056.00

The negotiations yielded the following:

1. The data extraction will include Guardrail, Lane Report, a subset of Railroads and VCM (vertical clearance measures for structures-Unique IDs). This includes assets needed by various divisions, but not originally considered in the DEPARTMENT's estimate.
2. The data extraction will not include Driveways, Fire Hydrants, Roadway Lighting, Intersections, Cattle Guards, Sign Faces, Sign Assemblies, Curve, or additional Railroads.
3. The original estimate from the Service provider included additional assets for extraction that are not considered a priority at this time.
4. The total projected timeline for completion of this project is 7 months 15 days utilizing approximately 11,150 man hours/dependent on the extracted items and time it takes for each item under conditions present at time of data collection.
5. The total negotiated cost for this Agreement is \$804,240.00

Reviewed and Approved:

DocuSigned by:
Sandra Rosenberg
895F72355AF94F2...

12/21/2020

Assistant Director



2655 Research Park Drive • Fitchburg WI 53711 • 42° 59' 57" N, 89° 25' 38" W

Nevada DOT Asset Data Extraction

October 20, 2020

Dear Mr. Gaelen Lamb,

Mandli Communications, Inc. (Mandli) is pleased to submit this proposal to Nevada Department of Transportation (NDOT) for the asset data extraction and delivery on approximately 10,644 lane miles of roadways for NDOT.

Included in this response is Mandli's technical capability for mobile LiDAR data processing services, feature data extraction services, and data delivery services on Nevada's statewide roadway network. Mandli started the mobile LiDAR revolution and there is nobody in the industry that can provide a better value. With hundreds of thousands of miles in data extraction experience, we are uniquely positioned to assist NDOT in in establishing their inventory for their asset management program.

If you have questions regarding this proposal, my team and I are ready to provide you with any assistance you may need.

Sincerely,

Sam Skog

Sam Skog
Sales Account Manager
Mandli Communications
608.320.5029

Scope of Work

For this project, Mandli will process approximately 10,644 lane miles of roadway data to establish an asset inventory for the NDOT asset management program. The coverage map to the right highlights NDOT's state network from which Mandli will extract roadway asset data.

Assets Mandli will extract include lane reports, guardrails, railroad crossings, and vertical and horizontal clearance measurements beneath structures.

Deliverables will include an updated RVDAT file with all assets assigned to their appropriate routes for easy integration into Roadview Explorer. Shapefiles will also be provided for all point, linear, and polygonal assets, and database files for all point, linear, and polygonal assets.

At the completion of the project, Mandli will help train users from across the DOT on methods for managing and updating asset inventory databases. This approach ensures NDOT asset inventories will be up-to-date and of the highest quality.

Mandli's Data Dictionary is included as *Attachment 1* at the end of this proposal. The Data Dictionary highlights the assets and attributes Mandli will assess and deliver to NDOT.



Figure 1: NDOT's state network for data extraction



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Pricing

Asset	Asset Estimate	Cost per Asset	Total Cost per Asset
Guardrail	9,600	\$10.00	\$96,000.00
Lane Report	158,596	\$3.47	\$550,000.00
Railroads	38	\$60.00	\$2,280
VCM (Unique IDs)	4,456	\$35.00	\$155,960.00
*Project Total			\$804,240.00

*Project total is subject to change as price is based upon asset estimates



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Schedule

Task	Anticipated Timeline
Project Initiation*	Upon receipt of NTP
Processing	Duration – 123 Days
Processing Starts*	Upon receipt of NTP
Processing Ends*	123 days from receipt of NTP
Data Delivery	Data Delivery Intervals
Sample Delivery*	End of second week of processing
Delivery 1*	TBD
Delivery 2*	TBD
Delivery 3*	TBD
Delivery 4*	TBD
Final Delivery*	TBD

**All dates are tentative; Schedule is dependent on contract signing and data delivery from NDOT to Mandli*

Mandli Capacity

Mandli employs 140 workers that operate out of a single office in Fitchburg, WI. We function exclusively from our Wisconsin headquarters and do not outsource any work overseas, including any planning, collection, processing, or development hours required for the project. Mandli has the most experienced staff in the United States for working with LiDAR to extract information for Asset Management purposes. All the key personnel for this project have experience working on similar statewide pavement and asset management contracts.

Mandli will utilize established communication and procedures to guarantee NDOT receives the highest quality data. These procedures have been tested and executed by Mandli on past State DOT projects of similar size and scope. Mandli offers a unique combinations of experience and technology that enables us to provide our clients with superior products and services.

Data Processing

Roadway asset data collected by NDOT, along with the RVDAT file and route information, will be shipped via hard drives to Mandli HQ, in Fitchburg, Wisconsin. Once received, Mandli will start analyzing and processing data. Our team is equipped with the tools and workflows to move the data through the processing pipeline. We verify accuracy at every stage, all while maintaining its integrity. With every processing step being performed from our headquarters, we can actively monitor and ensure all the



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appropriate protocols are implemented and followed. Raw data is uploaded to our in-house storage server. During data processing, the extracted asset data is stored in a Relational Database.

Mandli's Data Processors use our proprietary software, LiDAR Viewer, to locate, digitize, and apply attribution to roadway assets. Data Processors virtually drive the collected mileage using high definition right-of-way imagery to locate each of the required asset(s). Once identified, a set of integrated and customizable tools are used to digitize the feature in the LiDAR point cloud using points, lines, and/or polygons. Basic spatial information such as location, length, and area are applied automatically while other criteria such as type or condition can be manually applied or selected through pre-determined pick lists, as established in the Data Dictionary. Depending on the complexity of an asset and its required attribution, these steps can be combined or separated to maintain a balance between the efficiency of production and the quality the product. Mandli's Production and Software development teams work closely together to continuously improve the functionality of our applications and the efficiency of our workflows. This collaboration ensures industry leading quality even under tight timelines. Quality control measures such as logical outlier checks and batch audits are performed internally on each asset type to an amount and at frequency required to meet client specifications. Mandli has used this asset extraction methodology very successfully over the last 12 years on many network-level, statewide projects. Some of the largest of these have produced datasets in excess of 1.7 million unique assets. Mandli is uniquely positioned to take on work of this scale and is widely considered one of the highest quality providers in the industry.

Once Mandli has completed and delivered a full project cycle, with each asset assigned a unique ID, NDOT is able to maintain the existing individual asset ID for future cycles by using our ghosting technique. Ghosting allows NDOT personnel to pull forward assets extracted in previous cycles and which are still in place with newly collected data. This feature benefits NDOT as it expedites extraction efforts. The asset ID is maintained, and attributes can remain the same or be updated, depending on whether the asset's condition has changed. Not only does this preserve each individual asset ID and also saves time on data processing, it provides an additional quality check, since the asset and its attributes are reviewed in multiple collection cycles. One example of Mandli using this method is for our Utah DOT project. In 2014, maintaining the asset ID was established as a priority by UDOT. Between the 2014 - 2015 cycle, Mandli's Data Processors could identify and ghost 90% of assets.

Data Delivery

Mandli will work with NDOT and NDOT IT to ensure data is formatted to seamlessly integrate with existing DOT software and database systems via remote access. Deliverables include an updated RVDAT file with all assets assigned to their appropriate routes, shapefiles for all point, linear, and polygonal assets, and database files for all point, linear, and polygonal assets. Asset information will be provided via shapefiles with associated attributes. Database files will contain all content provided in shapefiles.



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Roadway Asset Extraction Quality Control

This section will highlight extraction and QC practices implemented for the asset extraction.

Initial Pass

Once data is ready, the asset reduction team will perform an initial pass on the data. During this initial pass, asset extraction team members will categorize assets into rater groups to combat rater fatigue and occurrence of errors. This helps reduce the number of assets each rater is focused on during an initial pass of the route and ensures employees have a wide understanding of assets they are being asked to extract.

Quality Control Pass

Once the initial pass of asset data extraction has occurred, the first set of QC will be completed. This process is performed by a lead rater or QC personnel on all routes and sessions to be delivered. During the QC pass, they will determine if the route is of acceptable quality to move onto the reporting stage. Minor inconsistencies will be fixed or updated by the QC personnel.

Corrective Action

If it is deemed that the routes do not meet quality standards, the entire batch will be sent back to the initial pass team for re-work. Detailed rater feedback emails will be sent out highlighting common rater mistakes that are discussed amongst the teams on a weekly basis. In the event that members of the initial pass team need retraining, it will be scheduled and they will be pulled from the team until training is once again completed.

Reporting

During this step, Mandli's Workstation software is utilized to create asset extraction reports. Completeness and formatting checks will be performed by the Data Specialist on the reports prior to moving into the acceptance stage. In the event a reporting error has been made, the offending report or routes will be re-reported and troubleshooting will occur to eliminate the error.

Asset Extraction Acceptance Criteria

Acceptance activities are performed by Mandli to determine if deliverables have met the established quality standards. Mandli's outlier checks are tailored to adequately encompass all deliverables and check



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for format, accuracy, completeness, consistency, and other quality criteria. These criteria are tailored to the client's or agency's needs and product. Below you will find a high-level reference of some of the checks we do and corrective actions that may be taken.

Quality Check	Data Element	Acceptance Criteria	Corrective Actions
Required Characteristic Fields	All extracted assets	Required asset characteristic fields are all populated	Review the asset and fill in missing information
Measurement Validity	All measured assets	Measurement values associated to the asset are well within expected measurements for the asset type	Review the rating of the asset and fix any rating mistakes
Historical Comparisons*	All extracted assets	Review asset counts and total lengths from previous collection cycle looking for anomalies	Review the rating of the asset and fix any rating mistakes

**Only possible on projects with historical data sets*

Corrective Actions

In the event that any data acceptance checks do not meet the specifications identified, Mandli will analyze the results and troubleshoot the issues in order to ensure that the data reduction and delivery preparation was performed correctly. This troubleshooting will be documented in the form of an internal ticket. All processed data will be corrected and any processes leading to improper data will be evaluated and corrected through additional training to avoid systematic problems.



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Attachment 1 – Data Dictionary



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Linear Assets

Common Attributes

Table Description: Common fields for the following tables:

- Guardrail
- Line Work

Attribute	Data Type	Description	Notes
RMIDCNTY_SIGN	VARCHAR (10)	Mandli Session Name	403CL_+
ROUTE_NAME	VARCHAR (10)	Posted route name	"US95"
CO_ROUTE_ID	VARCHAR (10)	Route ID number and county code (RMID)	"403CL"
DIRECTION	VARCHAR (1)		[N,S,E,W]
COUNTY_CUMULATIVE_FROM_MP	NUMBER (7,3)	County cumulative	Log file odometer
COUNTY_CUMULATIVE_TO_MP	NUMBER (7,3)	County cumulative	Log file odometer
FROM_LATITUDE	NUMBER (10,7)	Begin GPS point	WGS84
FROM_LONGITUDE	NUMBER (11,7)	Begin GPS point	WGS84
FROM_ELEVATION	NUMBER (6,3)	Begin GPS point	HAE
TO_LATITUDE	NUMBER (10,7)	End GPS point	WGS84
TO_LONGITUDE	NUMBER (11,7)	End GPS point	WGS84
TO_ELEVATION	NUMBER (6,3)	End GPS point	HAE
CD_DATE	DATE	Collection date	

Notes:

- Delivery format: CSV and shapefile
- LRS: County Cumulative Mileage (photolog mileage)
- Shapefile Coordinate System:
 - UTM Zone 11
 - NAVD88
- Table Coordinate System:
 - WGS84
 - Height Above Ellipsoid



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Guardrail

Table Description: Guardrail asset table fields.

Attribute	Data Type	Description	Notes
GUARDRAIL_TYPE	VARCHAR (100)	Type of guardrail	See Guardrail Type pick list table
GUARDRAIL_SIDE	VARCHAR (100)	<ul style="list-style-type: none"> • LEFT • RIGHT 	LEFT
GUARDRAIL_LENGTH	NUMBER (4)	Linear extent of an uninterrupted asset	Run length in feet
LOW_END_TREATMENT	VARCHAR (100)		See Guardrail Low End Treatment pick list table
HIGH_END_TREATMENT	VARCHAR (100)		See Guardrail High End Treatment pick list table
GUARDRAIL_HEIGHT	NUMBER (2,1)	Height of the guardrail	3.1
EDGE_TRAVEL_OFFSET	NUMBER (2,1)	Distance between the edge of travel and the guardrail	
EDGE_PAVE_OFFSET	NUMBER (2,1)	Distance to edge of pavement	

Notes:



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Lane Report

Table Description: Line Work table fields.

Attribute	Data Type	Description	Notes
LINE_TYPE	VARCHAR (100)	<ul style="list-style-type: none"> • Edge of Travel • Edge of Shoulder • Outer Most 	See Lane Lines pick list table
LANE_COUNT	NUMBER	Number of lanes of each type	2
LANE_TYPE	VARCHAR (100)	Type of lane	See Lane Type pick list table
LANE_WIDTH	NUMBER (4,1)	Width of lane (ft)	Lane Width breaks on Lane Type change within increase or decrease in width of 6 inches or change in Lane Count
MEDIAN_TYPE	VARCHAR (100)	Type of median	See Median Type pick list table
MEDIAN_WIDTH	NUMBER (5,2)	Width of median (ft)	Average width for record
SHOULDER_TYPE_LEFT	VARCHAR (100)	Shoulder type	See Shoulder Type pick list table
SHOULDER_TYPE_RIGHT	VARCHAR (100)	Shoulder type	See Shoulder Type pick list table
SHOULDER_WIDTH_LEFT	NUMBER (5,2)	Shoulder width (ft)	Zero indicates no shoulder
SHOULDER_WIDTH_RIGHT	NUMBER (5,2)	Shoulder width (ft)	Zero indicates no shoulder
RUMBLE_LOCATION	VARCHAR (100)	rumble strip location	
RUMBLE_TYPE	VARCHAR (100)		See Rumble Strip pick list table
RUMBLE_LENGTH	VARCHAR (100)		

Notes:



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Point Assets

Common Attributes

Table Description: Common fields for the following tables:

- Driveways
- Fire Hydrants
- Roadway Lighting
- Intersections
- Cattle Guards
- Signs
- Sign Support

Attribute	Data Type	Description	Notes
RMIDCNTY_SIGN	VARCHAR (10)	Mandli Session Name	403CL_+
ROUTE_NAME	VARCHAR (10)	Posted route name	"US95"
CO_ROUTE_ID	VARCHAR (10)	Route ID number and county code (RMID)	"403CL"
COUNTY_CUMULATIVE_FROM_MP	NUMBER (7,3)	County cumulative	Log file order
COUNT_CUMULATIVE_TO_MP	NUMBER (7,3)	County cumulative	Log file order
DIRECTION	VARCHAR (1)		[N,S,E,W]
LATITUDE	NUMBER (10,7)		WGS84
LONGITUDE	NUMBER (11,7)		WGS84
ELEVATION	NUMBER (6,3)		HAE
CD_DATE	DATE	Collection date	



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Vertical and Horizontal Clearance Measurements

Common Attributes

Table Description: Vertical and Horizontal Clearance Measurements under structures

Attribute	Data Type	Description	Notes
BRIDGE_ID	VARCHAR (10)	Structure ID	B 434N
ROUTE_NAME	VARCHAR (10)	Posted route name	"US95"
MP	VARCHAR (7,3)	Driven mileage at start of bridge	Miles
NV_MP	NUMBER (7,3)	Tied to NV provided LRS mileage	Miles
COLL_DATE	DATE	Date collected	
LAT	NUMBER (15,9)	GPS location at front of bridge at right fog line	Decimal degrees (WGS 84)
LON	NUMBER (15,9)	GPS location at front of bridge at right fog line	Decimal degrees (WGS 84)
MIN_Vert_Clear	NUMBER (5,1)	Minimum vertical clearance (feet) +/- 2"	Feet
MIN_Vert_Lan_Clear	VARCHAR (5,1)	Minimum vertical clearance (feet) +/- 2"	Minimum vertical clearance per lane
MIN_Horiz_Clear	NUMBER (5,1)	Minimum horizontal clearance (feet) +/- 2"	Feet
Description	VARCHAR (255)	Name of overpass street	

Notes:

- Vertical and horizontal measurement price based upon unique ID's
 - Mandli estimates 4,456 unique ID's for NV's ~1,200 structures



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Railroad Crossings

Table Description: A Data Dictionary entry will be created based on the attached Railroad Crossing form as supplied by NDOT. Mandli will extract all information readily available in the LiDAR and ROW imagery. It is our assumption that Mandli will be able to extract the following attributes:

1. Crossing Type (public/private)
 - a. If Private, Public Access? (y/n)
2. Crossing Purpose (Highway/Path, Ped./Station, Per)
3. Crossing Position (at grade/Under/Over)
4. Type of Land Use (Open
Space/Farm/Residential/Commerical/Industrial/Institutional/Recreational/RR yard)
5. Is there an adjacent crossing with a separate number? (y/n?)
6. Latitude
7. Longitude
8. Lat/Long Source (delivery)
9. Are there signs/signals? (y/n)
10. Crossbuck Assemblies (count)
11. STOP signs (count)
12. YIELD signs (count)
13. Advanced Warning Signs (6 types. Count, Identify)
14. Pavement Marketing (4 options)
15. Clearance Signs (y/n)
 - a. If Y then count
16. Channelization devices (4 options)
17. EXEMPT sign (y/n)
18. Other signs (y/n)
19. If Y then specify and count
20. Gate Arms (count)
21. Gate Configuration (5 options)
22. Cantilevered Flashing Light Structures (count)
23. Flashing Lights (count)
24. Traffic Control Signals
25. Traffic Lanes at Crossing (3 options plus count of lanes)
26. Paved (y/n)
27. Parallel roadways (y/n)
28. Crossing Surface Type (10 options, multiple possible plus an "other" w/ explanation text)
29. Approximate Intersection Roadway Distance within 500 feet
30. Smallest Angle Crossing (3 options)
31. Speed Limit at Crossing



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Railroad Crossings (continued)

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Part I, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) ____/____/____		B. Reporting Agency <input type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other		C. Reason for Update (Select only one) <input type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction			D. DOT Crossing Inventory Number _____
Part I: Location and Classification Information							
1. Primary Operating Railroad		2. State		3. County			
4. City / Municipality <input type="checkbox"/> In <input type="checkbox"/> Near		5. Street/Road Name & Block Number (Street/Road Name) _____ * (Block Number) _____		6. Highway Type & No.			
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR _____				8. Do Other Railroads Operate Over Your Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR _____			
9. Railroad Division or Region <input type="checkbox"/> None		10. Railroad Subdivision or District <input type="checkbox"/> None		11. Branch or Line Name <input type="checkbox"/> None		12. RR Milepost _____ _____ _____ (prefix) (nnnn.nnn) (suffix)	
13. Line Segment *		14. Nearest RR Timetable Station *		15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A	
17. Crossing Type <input type="checkbox"/> Public <input type="checkbox"/> Private	18. Crossing Purpose <input type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.	19. Crossing Position <input type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day	
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard							
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number _____				25. Quiet Zone (FRA provided) <input type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established _____			
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn)		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn)		29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated	
30.A. Railroad Use *			31.A. State Use *				
30.B. Railroad Use *			31.B. State Use *				
30.C. Railroad Use *			31.C. State Use *				
30.D. Railroad Use *			31.D. State Use *				
32.A. Narrative (Railroad Use) *				32.B. Narrative (State Use) *			
33. Emergency Notification Telephone No. (posted)		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.)			
Part II: Railroad Information							
1. Estimated Number of Daily Train Movements							
1.A. Total Day Thru Trains (6 AM to 6 PM)	1.B. Total Night Thru Trains (6 PM to 6 AM)	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____			
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) _____ 3.B. Typical Speed Range Over Crossing (mph) From _____ to _____					
4. Type and Count of Tracks Main _____ Siding _____ Yard _____ Transit _____ Industry _____							
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None							
6. Is Track Signaled? <input type="checkbox"/> Yes <input type="checkbox"/> No			7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No		

FORM FRA F 6180.71 (Rev. 08/03/2016)

OMB approval expires 11/30/2022

Page 1 OF 2



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Railroad Crossings (continued)

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY)		PAGE 2		D. Crossing Inventory Number (7 char.)	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No					
2. Types of Passive Traffic Control Devices associated with the Crossing		2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None			
2.A. Crossbuck Assemblies (count)		2.B. STOP Signs (R1-1) (count)		2.C. YIELD Signs (R1-2) (count)	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	
2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No			
2.J. Other MUTCD Signs Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count)		3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates <input type="checkbox"/> 4 Quad		3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane _____ <input type="checkbox"/> Incandescent Not Over Traffic Lane _____ <input type="checkbox"/> LED	
3.D. Mast Mounted Flashing Lights (count of masts) <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included		3.E. Total Count of Flashing Light Pairs			
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes <input type="checkbox"/> No Installed on (MM/YYYY) ____/____/____		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input type="checkbox"/> No	
3.I. Bells (count)		3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None			
3.K. Other Flashing Lights or Warning Devices Count _____ Specify type _____		3.L. Other Flashing Lights or Warning Devices Count _____ Specify type _____			
4.A. Does nearby Hwy Traffic Signal have Intersection Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No		4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs		4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	
4.D. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____		4.E. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None			
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes _____		2. Is Roadway/Pathway Paved? <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input type="checkbox"/> No	
4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No		5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____			
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input type="checkbox"/> No	
4. Highway Speed Limit MPH <input type="checkbox"/> Posted <input type="checkbox"/> Statutory		5. Linear Referencing System (LRS Route ID) * 6. LRS Milepost *			
7. Annual Average Daily Traffic (AADT) Year _____ AADT _____		8. Estimated Percent Trucks _____ %		9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day _____	
10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No					
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					



2655 Research Park Drive • Fitchburg WI 53711 • 42° 59' 57" N, 89° 25' 38" W

Appendix A: Pick List Options



2655 Research Park Drive • Fitchburg WI 53711 • 42° 59' 57" N, 89° 25' 38" W

Table Description: Pick list options in Asset Extraction toolset.

Type	Asset	Attribute	Pick List Choices
Asset	GUARDRAILS	GUARDRAIL_TYPE	<ul style="list-style-type: none"> • 1 - W-Beam, Galvanized • 2 - W-Beam, Weathered Steel • 3 - W-Beam & Thrie Beam, Polymer Coated • 4 - Cable • 5 - Timber Rail • 6 - Three Beam, Galvanized • 7 - Thrie Beam, Weathered Steel • 8 - Thrie Beam, Polymer Coated • 9 - Other
Asset	GUARDRAILS	LOW_END_TREATMENT	<ul style="list-style-type: none"> • 1 - Flared Energy-Absorbing Terminal (FLEAT) • 2 - TREND 350 Flared • 3 - End Anchorable • 4 - Buried in Backslope • 5 - Extruded Terminal (ET-2000) • 6 - Extruded Terminal (ET-Plus) • 7 - Extruded Terminal (X-Lite) • 8 - Extruded Terminal (X-tension) • 9 - Extruded Terminal (SoftStop) • 10 - Mid-span • 11 - Turned Down End • 12 - Standard Connection to Bridge Rail/Barrier Wall • 13 - Non-Standard Connection to Bridge Rail/Barrier Wall • 14 - Radius • 15 - C.A.T. • 16 - Sequential Kinking Terminal (SKT) • 17 - Cable Barrier Terminal - Griffen WRSF • 18 - Cable Barrier Terminal - Gibraltar NCHRP350 • 19 - Cable Barrier Terminal - Nu-Cable • 20 - Cable Barrier Terminal - Safence • 21 - Cable Barrier Terminal - Trinity CASS • 22 - Cable Barrier Terminal - Unknown Type • 23 - Unprotected Ends • 24 - Unknown • 25 - Damaged and Unknown • 26 - Slotted Rail Terminal (SRT)
Asset	GUARDRAILS	HIGH_END_TREATMENT	<ul style="list-style-type: none"> • 1 - Flared Energy-Absorbing Terminal (FLEAT) • 2 - TREND 350 Flared • 3 - End Anchorable • 4 - Buried in Backslope • 5 - Extruded Terminal (ET-2000) • 6 - Extruded Terminal (ET-Plus) • 7 - Extruded Terminal (X-Lite) • 8 - Extruded Terminal (X-tension) • 9 - Extruded Terminal (SoftStop) • 10 - Mid-span • 11 - Turned Down End



2655 Research Park Drive • Fitchburg WI 53711 • 42° 59' 57" N, 89° 25' 38" W

			<ul style="list-style-type: none"> • 12 - Standard Connection to Bridge Rail/Barrier Wall • 13 - Non=Standard Connection to Bridge Rail/Barrier Wall • 14 - Radius • 15 - C.A.T. • 16 - Sequential Kinking Terminal (SKT) • 17 - Cable Barrier Terminal - Griffen WRSF • 18 - Cable Barrier Terminal - Gibraltar NCHRP350 • 19 - Cable Barrier Terminal - Nu-Cable • 20 - Cable Barrier Terminal - Safence • 21 - Cable Barrier Terminal - Trinity CASS • 22 - Cable Barrier Terminal - Unknown Type • 23 - Unprotected Ends • 24 - Unknown • 25 - Damaged and Unknown • 26 - Slotted Rail Terminal (SRT)
Asset	LANE TYPE	LANE_TYPE	<ul style="list-style-type: none"> • 1 - Acceleration Lane • 2 - Auxiliary Lane • 3 - Bike Lane • 4 - Deceleration Lane • 5 - Gravel/Soil Island • 6 - HOV • 7 - Left Turn • 8 - Other • 9 - Painted Island • 10 - Passing • 11 - Right Turn • 12 - Thru Lane • 13 - Two-way Left
Asset	MEDIAN	MEDIAN_TYPE	<ul style="list-style-type: none"> • 1 - Rigid barrier system • 2 - Semi-rigid barrier system • 3 - Flexible barrier system • 4 - Raised median with curb • 5 - Depressed median • 6 - Flush paved median • 7 - HOV lane(s) • 8 - Railroad or rapid transit • 9 - Other divided • 0 - Undivided • 99 - Unknown
Asset	SHOULDER	SHOULDER_TYPE	<ul style="list-style-type: none"> • 1 - Paved • 2 - Composite • 3 - Gravel • 4 - Turf • 5 - Curb • 6 - No shoulder • 98 - Not applicable • 99 - Unknown
Asset	RUMBLE STRIP	RUMBLE_LOCATION	<ul style="list-style-type: none"> • 1 - Centerline • 2 - Edgeline



2655 Research Park Drive • Fitchburg WI 53711 • 42° 59' 57" N, 89° 25' 38" W

			<ul style="list-style-type: none">• 3 - Both Centerline and Edgeline
Asset	RUMBLE STRIP	RUMBLE_TYPE	<ul style="list-style-type: none">• 1 - With Paint Stripe• 2 - Without Paint Stripe• 3 - Mumble Strip

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):

Mandli Communications, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 2655 Research Park Drive	Website: www.mandli.com
City, State and Zip Code: Fitchburg, WI 53711	Point of Contact Name: Jeff Healy
Telephone and Fax No. (608) 835-3500 (888) 545-2214	Email: service@mandli.com

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

Street Address: N/A	Website:
City, State and Zip Code:	Point of Contact Name:
Local Telephone and Fax No.	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)
Raymond Jerome Mandli	President	29.9%
Tracie Marie Mandli	Vice President	50.1%

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

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

Yes No

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

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

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



Signature

Raymond J. Mandli

Print Name

President

Title

November 10, 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 6

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

607-19-056
For Agreement Services Only

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

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

If Amendment, name of Company:

Project ID #(s): N/A

Type of Services: Civil Engineering and Related Professional Design Services

Originated by: Thresa Zylstra Division: Maint/Asset Mgmt Date Originated: 9/11/2019

Division Head/District Engineer: Anita Bush, P.E.

Budget Category #: 466006 Object #: 814M Organization #: C056

Estimated Cost: \$2,500,000.00 Type of Funding: State % of Fund: 100

Funding Notes: State Fiscal Year(s): 21-22

It is anticipated that we will spend approximately \$1,250,000.00 per year over the course of two years beginning in FY21 which is why we have requested \$2,500,000.00 in total authority.

Financial Management:

DocuSigned by:
Felicia Denney 9/12/2019
6ABC93985822490... 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 9/13/2019
9E9F10973C1B46E... Date

Director:

DocuSigned by:
Kristina L. Swallow 9/13/2019
C4B8612FC2C1E4FB... Date

**STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION**

607-19-056

For Agreement Services Only

Attachments:

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



If Amendment, attach original Agreement here:

Any additional information to attach:

Yes



Purpose of, and Justification for, Budget Request:

The DEPARTMENT needs the service of licensed Civil Engineers and Project Team of Architects and Engineers who are familiar with building design and construction methods, which will apply to developing specifications and plans for design of new civil related projects and new buildings, remodels, repairs of existing buildings that the DEPARTMENT owns and/or operates across the State of Nevada. The Architecture Section will utilize the On-Call design services to help deliver each fiscal year's capital improvement projects. This RFP is requested to be structured for 3 prime firms, to provide a team with a full range of professional services in all disciplines, in a rotating Task Order list.

Scope of Services:

The Scope of Services to be provided under the Agreement from this RFP will be used to produce bidding documents, specifications, cost estimates, environmental evaluations, construction administration and plans on NDOT projects.

The design professionals will provide stamped drawings and specifications as required by the State Public Works Division. The design professionals will also provide site visits, design assistance, construction administration and project close-out services.



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

MEMORANDUM

December 11, 2020

TO: Darin Tedford, P.E., Assistant Director - Operations
FROM: Eugene Warren, Project Manager I 
SUBJECT: Master Agreement Summary for RFP 607-19-056 - On-Call Civil Engineering Services and related professional design services.

A negotiation meeting was held by phone on November 13, 2020 with Jeff Hale of Wood Rodgers, Inc. and Eugene Warren of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The Department is seeking to hire a firm to develop specifications and plans for the design of new buildings, remodels, and repairs of existing buildings that the DEPARTMENT owns and operates across the state. The services will be determined on a project-by-project basis and will be memorialized with written task orders.

The scope of services includes: site investigation, developing plans and specifications, and construction administration. The Scope of Services was reaffirmed by both parties at the outset: Please see Attachment A for a full description of scope.

The DBE goal for this agreement has been established at two percent (2%).

The duration of these agreements will be for two (2) years with the option to extend for an additional two (2) years.

The budgeted amount of this Agreement is comprised of zero percent (0%) Federal / 100 percent (100%) State Funding.

The Civil firm, Wood Rodgers, Inc., was selected from a competitive selection process to enter into a Master Service Agreement:

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 all service providers shall not exceed two million five hundred thousand and no/100 Dollars (\$2,500,000.00).

Terms of negotiations will be determined at the time of each Task Order, using the established Fee Schedules for each company (see attached).

Reviewed and Approved:

 12/14/2020
60F620D438AD46A...
Assistant Director - Operations



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

MEMORANDUM

December 18, 2020

TO: Darin Tedford, P.E., Assistant Director - Operations

FROM: Eugene Warren, Project Manager I

SUBJECT: Master Agreement Summary for RFP 607-19-056 - On-Call Civil Engineering Services and related professional design services.

A negotiation meeting was held by phone on November 12, 2020 with Michael Mosely of Kimley-Horn and Associates, Inc. and Eugene Warren of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The Department is seeking to hire a firm to develop specifications and plans for the design of new buildings, remodels, and repairs of existing buildings that the DEPARTMENT owns and operates across the state. The services will be determined on a project-by-project basis and will be memorialized with written task orders.

The scope of services includes: site investigation, developing plans and specifications, and construction administration. The Scope of Services was reaffirmed by both parties at the outset: Please see Attachment A for a full description of scope.

The DBE goal for this agreement has been established at two percent (2%).

The duration of these agreements will be for two (2) years with the option to extend for an additional two (2) years.

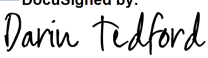
The budgeted amount of this Agreement is comprised of zero percent (0%) Federal / 100 percent (100%) State Funding.

The Civil firm, Kimley-Horn and Associates, Inc., was selected from a competitive selection process to enter into a Master Service Agreement:

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 all service providers shall not exceed Two Million Five Hundred Thousand and no/100 Dollars (\$2,500,000.00).

Terms of negotiations will be determined at the time of each Task Order, using the established Fee Schedules for each company (see attached).

Reviewed and Approved:

DocuSigned by:

12/18/2020
59E62CD438AD46A...


Assistant Director - Operations



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

MEMORANDUM

December 9, 2020

TO: Darin Tedford, P.E., Assistant Director - Operations
FROM: Eugene Warren, Project Manager I 
SUBJECT: Master Agreement Summary for RFP 607-19-056 - On-Call Civil Engineering Services and related professional design services.

A negotiation meeting was held by phone on November 12, 2020 with Todd Kelley of GCW Inc. and Eugene Warren of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The Department is seeking to hire a firm to develop specifications and plans for the design of new buildings, remodels, and repairs of existing buildings that the DEPARTMENT owns and operates across the state. The services will be determined on a project-by-project basis and will be memorialized with written task orders.

The scope of services includes: site investigation, developing plans and specifications, and construction administration. The Scope of Services was reaffirmed by both parties at the outset: Please see Attachment A for a full description of scope.

The DBE goal for this agreement has been established at two percent (2%).

The duration of these agreements will be for two (2) years with the option to extend for an additional two (2) years.

The budgeted amount of this Agreement is comprised of zero percent (0%) Federal / 100 percent (100%) State Funding.

The Civil firm, GCW Inc., was selected from a competitive selection process to enter into a Master Service Agreement:

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 all service providers shall not exceed two million five hundred thousand and no/100 Dollars (\$2,500,000.00).

Terms of negotiations will be determined at the time of each Task Order, using the established Fee Schedules for each company (see attached).

Reviewed and Approved:

 12/12/2020
Assistant Director - Operations

Attachment A Scope of Services

A. PROJECT LOCATION AND GENERAL DESCRIPTION OF SERVICES

Civil Engineering and Architectural (A/E) Services, hereinafter referred to as Service Provider, to provide full plans and specifications for the DEPARTMENT facilities and sites with respect to engineering and design for civil, structural, mechanical, geotechnical, electrical, environmental, hydraulic (drainage), landscape architecture, and construction projects throughout the State of Nevada.

B. SPECIFIC DESIGN REQUIREMENTS

Site development elements include: grading, earth retaining structures, hydraulic drainage, utility development (or relocation), building design, sand / oil separators, truck wash pads, the relocation of existing vehicle yard access points, detention basins, fencing, roads, asbestos pavement design (roads, parking lots), fuel supply system replacement/renovation/retrofit design. General design services for, environmental engineering, civil engineering, structural engineering, electrical engineering, geotechnical engineering, mechanical engineering, land development design, land use planning, landscape architecture, industrial hygiene review, and other related building/site/facility design professional services. Provide other civil and site improvements as necessary to assist in the DEPARTMENT's compliance with Federal EPA MS-4 permit and Stormwater control design. A site survey and topography by the Service Provider maybe required for various projects.

C. PROJECT COORDINATION

1. The Service Provider shall be responsible for the coordination and preparation of forms, ascertaining all utility company connection, and interacting with other involved entities including, but not limited to the following:
 - SPWD; State Public Works Division, State of Nevada
 - SFM; State Fire Marshal's Office, State of Nevada
 - NBI; Nevada Business and Industry, Mechanical Compliance Section
 - NDEP; Nevada Division of Environmental Protection
 - DHHS; Nevada Division of Health and Human Services
 - NHD; Nevada Health Services Division
 - NDWR; Nevada Division of Water Resources
 - Planning Departments of Municipalities, Cities, and Tahoe Regional Planning Agency (TRPA)
 - Utility Providers including gas, water, electricity, sanitary sewer, storm water drains, tele-communication, optical fiber cable, and other entities are needed for project goals to be achieved.
 - EPA; Federal Governments' Environmental Protection Agency
 - NDCNR; Nevada Department of Conservation and Natural Resources; including State Historic Preservation Officer (SHPO)
 - MHD; Manufactured housing Division
2. The DEPARTMENT shall be responsible to pay for connection and/or permit fees for the projects.
3. The Service Provider shall be required to provide additional Project coordination including, but not limited to the following:
 - Project meetings as needed with DEPARTMENT's Architecture Section for the schematic, design development, and construction document phases. Also, meetings for plan review and bid documents as needed.
 - Coordinate with the DEPARTMENT in the preparation of Supplemental Notices. Information for Supplemental Notices shall be provided to the DEPARTMENT for review not less than one (1) week prior to the bid opening date.
 - Attend the pre-bid conference(s), if applicable, and the bid opening.

- Full Construction Administration (C/A) services.
- Review all Operating & Maintenance Manuals with the DEPARTMENT prior to approval.
- Compile and draft As-built drawing documentation from information provided by the contractor.

D. PROJECT REQUIREMENTS

The scope of work for this Project will be phased as follows, with sign-offs from appropriate DEPARTMENT Assistant Directors or the Director:

1. Schematic Design Phase

Schematic design documents shall include drawings, outline specifications and cost estimates developed in sufficient detail to indicate the exterior design of the Project, the functional relationships of all interior areas, the relationship of the Project to the site and other existing buildings, the materials to be used in construction, and the types of mechanical, electrical, and structural systems. The cost estimate shall be itemized to include all major categories of the Work.

In consultation with the DEPARTMENT and by independent analysis and investigations, the Service Provider shall determine the general requirements of the Project, the scope of work, land development planning, limitations of the established construction budget, the total project time schedule, availability and location of utilities, and the requirements of approving authorities.

The Service Provider shall provide an evaluation of the program, schedule, and construction budget.

The Service Provider shall meet with the DEPARTMENT to present and review the schematic design documents. The meeting location shall be as directed by the DEPARTMENT. Approval of the schematic design submittal shall be obtained before payment may be issued and before proceeding with the Design Development Phase.

Required Documents for Schematic Design:

Civil design and Landscape Architecture services during the Schematic Design Phase shall consist of consideration of alternate materials and systems and development of conceptual design solutions for:

- On-site utility systems.
- Off-site utilities work, if applicable.
- Drainage systems and grading.
- Concrete, A/C, and other types of paving and striping (as applicable).
- Site Plan Layout.
- Aesthetical concepts and landscape architecture plan.

Architectural design services during the Schematic Design Phase shall respond to program requirements and consist of:

- Site plans, including parking, and building floor plans.
- Building sections and elevations.
- Selection of building systems and materials.
- Development of dimensions, areas, and volumes.
- Perspective sketches, if required.
- Preliminary exiting plan and code analysis (Basis of Design).

Structural design services during the Schematic Design Phase shall consist of recommendations regarding basic structural materials and systems, preliminary analysis, establishment of design criteria and loads, and development of conceptual design solutions for:

- The recommended structural system.

- Alternate structural systems, if requested.

Mechanical design services during the Schematic Design Phase shall consist of consideration of alternate materials, systems and equipment and development of conceptual design solutions for:

- HVAC Systems
- Fire protection

Electrical design services during the Schematic Design Phase shall consist of considerations of alternate systems, recommendations regarding basic electrical materials, systems and equipment, analysis, and development of conceptual design solutions for:

- Power service and distribution.
- Lighting.
- Fire detection and alarms.
- Security systems.
- Electronic communications.
- Special electrical systems.
- General space requirements for electrical equipment and systems.

Outline specifications during the Schematic Design Phase shall consist of:

- Identification of potential architectural materials, systems and equipment, and their criteria and quality standards.
- Investigation of availability and suitability of alternative architectural materials, systems and equipment.
- Similar documentation for all other disciplines.

Construction cost estimate services during the Schematic Design Phase shall consist of:

- Development of an Engineer's estimate of probable cost of construction for the Project based on the most recent schematic design studies
- Current and historic costs, including an appropriate design contingency and inflation factor.

2. Design Development Phase

Design development documents shall include drawings and abbreviated specifications developed from the schematic design documents in greater detail to confirm or adjust, as required, all aspects of the schematic design documents and shall include a revised cost estimate reflecting the more detailed development.

Based on the approved schematic design documents and any adjustments authorized by the DEPARTMENT in the program, schedule or construction budget, the Service Provider shall prepare, for approval by the DEPARTMENT, design development documents consisting of drawings and other documents to fix and describe the size and character of the Project as to civil engineering, land development, architectural, structural, mechanical, and electrical systems, materials and such other elements as may be appropriate.

Required Documents for Design Development:

Civil design services during the Design Development Phase shall consist of continued development of civil schematic design documents and development of abbreviated specifications to establish:

- On-site utility systems
- Off-site utility work
- Grading and drainage systems
- Utility connections and layout
- Concrete, A/C, curb, gutter, sidewalk and striping (as applicable).

Architectural design services during the Design Development Phase shall consist of continued development and expansion of architectural schematic design documents to establish the final scope, relationships, forms, size and appearance of the Project through:

- Site plan and building floor plans.
 - Building sections and elevations.
 - Typical construction details.
 - Final materials selections.
 - Equipment layouts.
 - Identification and resolution of all code issues.
- Exiting plan and code analysis (Basis of Design).

Structural design services during the Design Development Phase shall consist of continued development of the selected structural system, abbreviated specifications and schematic design documents in sufficient detail to establish:

- Basic structural system and dimensions.
- Structural seismic retrofit design criteria and loads.
- Foundation plan.
- Preliminary sizing of major structural components.
- Critical coordination clearances.
- Floor and roof framing plans.
- Major building sections/elevations.

Mechanical design services during Design Development Phase shall consist of further development of the mechanical systems and equipment and development of preliminary design solutions for:

- HVAC Systems.
- Fire protection.

Electrical design services during the Design Development Phase shall consist of continued development of electrical schematic design documents and development of abbreviated specifications to establish:

- Lighting and power.
- Sizes and capacities of major components.
- Equipment layouts.
- Required space for equipment.

The Design Development Phase construction cost estimate shall be a detailed line item estimate thoroughly broken down to include estimated quantities for all major items of work. The major categories of the estimate shall be formatted to Master Specification Divisions. Each consultant shall prepare and submit to the Service Provider an Engineer's Opinion of Probable Cost of Construction covering his portions of the work.

3. Construction Documents Phase

From approved design development documents, prepare and satisfactorily complete within the time allowed, construction documents for approval by the DEPARTMENT, State Fire Marshall, and State Public Works Division.

Thoroughly check and coordinate all drawings and specifications prior to submitting them to the DEPARTMENT. Prepare an Engineer's Opinion of Probable Cost of Construction.

The Service Provider will ensure that all Specifications adhere to the Master List of Numbers and Titles for the Construction Industry as published by Master Format 2014 Update, Copyright CSI Alexandria, VA. The Service Provider will use Arial font nine (9)

with the margins and the outline shown in Attachment D – Specification Document Requirements. The Service Provider will make corrections to Specification document formatting when directed by the DEPARTMENT and coordinate any said corrections with all sub-consultants until all formatting requirements are satisfied. Thoroughly check and coordinate all drawings and specifications prior to submitting them to the DEPARTMENT.

Required Documents for Construction Documents Phase

Civil design services during the Construction Documents Phase shall consist of final design solutions for:

- On-site utility systems.
- Off-site utilities work, if applicable.
- Drainage systems and grading.
- Concrete, A/C, and other types of paving and striping (as applicable).
- Site Plan Layout.

Architectural design services during the Construction Documents Phase shall respond to program requirements and consist of:

- Site plans, including parking, and building floor plans.
- Building sections and elevations.
- Complete and comprehensive construction plans and specifications that define the building systems and materials.
- Exiting plan and code analysis (Basis of Design).

Structural design services during the Construction Documents Phase shall consist of final structural materials and systems, and design criteria and loads for:

- Final structural plans and details.
- Structural Analysis & Design calculations

Mechanical design services during the Construction Documents Phase shall consist of final design solutions for:

- HVAC Systems
- Fire protection

Electrical design services during the Construction Documents Phase shall consist of final design solutions for:

- Power service and distribution.
- Lighting.
- Fire detection and alarms.
- Security systems.
- Electronic communications.
- Special electrical systems.
- General space requirements for electrical equipment and systems.

Specifications during the Construction Documents Phase shall consist of:

- Long form Specifications for materials, systems, equipment, and quality standards.

Construction cost estimate services during the Construction Documents Phase shall consist of:

- Development of an Engineer's Opinion of Probable Cost of Construction for the Project based on the final documents.

Revise the construction documents as may be required as a result of plan checking.

Prior to submission of the bid documents, the Service Provider shall ascertain all utility company connection and/or permit fees, including fees to be charged by the utility company for work to be performed by the utility company.

The Service Provider shall meet with the DEPARTMENT to present and review the construction documents after all plan check comments have been addressed and have been incorporated into the construction documents. The meeting location shall be as directed by the DEPARTMENT. Documents to be presented and reviewed at this meeting shall include Supplemental General Conditions and bid alternates. Approval of the construction documents submittal shall be obtained before payment may be issued and before proceeding with the publishing of the bid documents.

4. Specification Document Requirements

The proposers will be prepared to ensure the following during project development:

- Specifications will adhere to the Master List of Numbers and Titles for the Construction Industry As published by Master Format 2014 Update, Copyright CSI Alexandria, VA.
- Specifications will be developed in Arial font 9 and with the margins and outline and format shown in Attachment D – Specification Document Requirements.

5. Plan Checking & Approvals

The Service Provider shall provide complete sets of construction documents and calculations for review by designated plan checkers. Construction documents shall be one hundred percent (100%) complete, including all interdisciplinary coordination. Structural, mechanical and electrical calculations shall be bound and indexed. Computer calculations shall include both input and output and shall be clearly correlated to the construction documents.

Provide written responses to all plan check comments within thirty (30) days of receipt thereof.

Incorporate appropriate solutions to all plan check into the construction documents and revise the construction cost estimate accordingly. Permit and plan review fees will be paid by the DEPARTMENT.

The Service Provider shall obtain written approval of the construction documents from the following State agencies:

- Department of Transportation
- State Fire Marshall Office
- State Public Works Board

6. Bidding Phase

From approved construction documents, the Service Provider shall prepare and satisfactorily complete the bid documents within the time allowed.

Bid documents prepared by the Service Provider shall include the Drawings, specifications and Supplemental Notice(s). The documents shall be stamped and signed per NRS 623 and 625 respectively. No Supplemental Notice shall be issued less than one (1) week before the bid opening time established in the Notice to Contractors.

The DEPARTMENT will assemble, print and bind the required number of sets of bid documents, and shall distribute the sets as required.

Attend the bid opening and any pre-bid conferences.

Assist the DEPARTMENT with a recommendation for the award of the construction contract.

Bids in Excess of the Cost Estimate:

- If the low bid received exceeds the Engineer's Opinion of Probable Cost of Construction by more than seven percent (7%), revise all bid documents and furnish new bid documents to the DEPARTMENT at no increase in fee and repeat all requirements of this Section.

7. Construction Administration Phase

The Construction Administration Phase shall commence with the issuance of the Notice to Proceed, and terminate one (1) year after the effective date of when the DEPARTMENT issues the Certificate of Substantial Completion.

The Service Provider shall provide technical assistance to DEPARTMENT personnel.

The Service Provider shall attend the preconstruction conference and prepare and submit a list of significant issues to be addressed at the preconstruction conference.

Site Visits

The Service Provider and its subcontractors shall make regular visits to the site to familiarize themselves with the progress and quality of the Work and to determine if the Work is proceeding in accordance with the Contract Documents. The Service Provider shall visit the site at least once per month, and not less than three (3) visits per Project site, and shall prepare and submit a written report describing their observations during each site visit.

Site visits shall be coordinated with the DEPARTMENT's assigned Inspector.

Interpretations

The Service Provider will be the interpreter of the Drawings and Specifications. The Service Provider shall, within ten (10) working days, render such written interpretations as may be necessary for proper execution of the Work. All interpretations and decisions by the Service Provider shall be consistent with the intent of the Contract Documents.

Change Orders

The Service Provider shall coordinate the preparation of Change Orders and shall prepare Construction Change Directives for review and approval by the DEPARTMENT.

The Service Provider shall issue no order to contractors that might commit the DEPARTMENT to extra expenses, or otherwise amend the construction contract without first obtaining the approval of the DEPARTMENT.

The Service Provider shall prepare drawings, specifications and other supporting documentation as required to clarify and/or facilitate changes in the work for review and approval by the DEPARTMENT.

The Service Provider shall review and evaluate proposals from the Contractor regarding changes in the Work and submit recommendations to the DEPARTMENT.

Minor changes in the Work

The Service Provider shall have authority to order minor changes in the Work which do not involve an adjustment in the Contract Sum or an extension of Contract Time. Such

minor changes shall be consistent with the intent of the Contract Documents and shall be implemented only through written order.

Shop Drawing Review

The Service Provider shall review Shop Drawings and submittals within fourteen (14) calendar days of receipt thereof for conformance with the Contract Documents.

Contractor's Requests for Payment

Based upon site observations and the Contractor's Request for Payment, the DEPARTMENT shall review and evaluate the amounts claimed by the Contractor and the DEPARTMENT's Inspector. The DEPARTMENT will forward the pay request to the Service Provider for confirmation.

Contractor Claims

The Service Provider and the DEPARTMENT shall review and evaluate claims relating to the execution and progress of the Work. Decisions in matters relating to aesthetic effect shall be consistent with the intent of the Contract Documents. Decisions regarding performance by the Contractor are subject to approval by the DEPARTMENT.

As-Built Drawings

The Service Provider, and his consultants, shall continually monitor and evaluate the progress and quality of the Contractor's as-built drawings, which shall indicate the complete Project as constructed, including dimensioned locations and sizes of buried utility lines. At a minimum, the Service Provider and his consultants shall review the as-built drawings every ten (10) calendar days, prior to evaluating the Contractor's Request for Payment.

Project Completion and Guarantees

The Service Provider shall conduct inspections to determine the date of Substantial Completion and the date of final completion and shall receive and forward to the DEPARTMENT all records, written warranties and related documents required by the Contract Documents and assembled by the Contractor.

Operating & Maintenance Manuals

The Service Provider shall review all O & M manuals with the User Group prior to approval.

Record Drawings

The Service Provider shall prepare one set of hard copy and one set of electronic "AUTOCAD" record drawings on a solid state electronic memory device showing changes in the Work made during construction based on the as-built drawings and other data furnished by the Contractor to the Service Provider, as specified in the Agreement.

Reproducible record drawings shall be full size bond. The drawings shall incorporate all pertinent revisions and changes that may have occurred during the course of construction. Pertinent shop drawings related to the construction of the Project shall be of the same standard size and material and shall be incorporated and cross referenced into the record drawings. All revisions and changes shall be properly drawn and noted by the Service Provider or his consultant. Each sheet shall be prominently noted "RECORD DRAWING" and will be signed and dated by the Architect or Engineer of record.

The following information shall be recorded on the cover sheet:

- General contractor
- Final contract amount
- Start and completion dates of construction

The reproducible shall all be of the same standard size and furnished at no added cost to the DEPARTMENT.

8. Contract and Construction Closeout Phase
Warranty

- The Service Provider and his consultants shall coordinate and attend a nine month warranty inspection at the Project site.
- The Service Provider shall provide written opinions or interpretations regarding warranty items for the duration of the warranty period.

E. OWNER RESPONSIBILITIES

1. Existing Drawings

The DEPARTMENT will provide copies of existing DEPARTMENT drawings previously used that provide examples or standards for specific building elements. The consultant shall use these concepts as the basis for design in close coordination with the DEPARTMENT during the design development phase, however they are not intended to limit or replace the consultant's input or creativity in producing a project of the highest possible character within the budget.

2. Project Manager and Inspector

The DEPARTMENT shall designate a Project Manager and Inspector authorized to act on the DEPARTMENT's behalf with respect to the Project. The Project Manager and the Inspector shall render decisions in a timely manner pertaining to documents submitted by the Service Provider in order to avoid unreasonable delay in the orderly and sequential progress of the Service Provider's services.

3. Advertisement for Bids

The DEPARTMENT will prepare and advertise the Notice to Contractors.

4. Construction Inspection

During construction, the DEPARTMENT will provide an Inspector on site to observe the Contractor's work.

5. Geotechnical

Unless otherwise agreed, the Service Provider shall include the services of geotechnical engineers when such services are necessary. Such services may include, but are not limited to, test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, ground corrosion and resistivity tests, including necessary operations for anticipating subsoil conditions, with reports and appropriate professional recommendations.

6. Materials Testing

Unless otherwise agreed, the DEPARTMENT shall furnish the services of a materials testing laboratory when such services are necessary.

F. PERFORMANCE & SUBMITTAL REQUIREMENTS

As part of the Service Provider's services and fee, the following number of complete sets of documents shall be submitted for each phase of work:

- Schematic Phase – five (5) sets, plus an electronic file.
- Design Development Phase – five (5) sets, plus an electronic file.
- Construction Documents Phase/Plan checking – six (6) sets, plus an electronic file.
- Bid Document Sets, produced by Owner, from signed drawings and specifications provided by consultant.
-

G. STANDARDS OF DESIGN

Codes as adopted in the Nevada Revised Statutes (NRS), and Nevada Administrative Code (NAC) section 341-045, as applicable on September 1, 2015.

H. APPROVALS REQUIRED BY SERVICE PROVIDER

The DEPARTMENT's Architecture Section, Nevada Department of Transportation Director's Office, State Public Works Division (SPWD), the State Fire Marshall Office, Local Municipal Agencies, and Nevada Department of Business and Industry (OSHA).

I. PERFORMANCE SUBMITTALS REQUIRED OF SERVICE PROVIDER

The following submittals will be required of the Service Provider:

- Schematic design and approval - Due by mutually agreeable date established during Agreement process. Anticipated duration of this phase is approximately two (2) months.
- Design Development - Due by mutually agreeable date established during Agreement process. Anticipated duration of this phase is approximately three (3) months.
- Construction Documents - Due by mutually agreeable date established during Agreement process. Anticipated duration of this phase is approximately six (6) months.
- Plan Check and Review – By others. Approximate time period, no more than two (2) months.
- Bidding Documents - Due by mutually agreeable date established during Agreement process. Anticipated duration of this phase is approximately one (1) month.
- Construction Administration - As required by the construction schedule provided by the awarded contractor.

J. CONSTRUCTION BUDGET

An outline of project scope and construction cost budget is produced by the DEPARTMENT at the time a task order is requested. Final definition of project scope is cooperatively developed by the Service Provider and the DEPARTMENT as part of the design phases; and will vary from the initial outlined project scope.

Included: All construction elements for a complete project as defined in the construction documents, including landscape elements.

K. PROFESSIONAL EXPERIENCE AND KNOWLEDGE BASE

The following will be required of the SERVICE PROVIDER:

- The prime firm shall designate one (1) Principal Engineer who shall take overall responsibility for the quality and delivery of the Work. The principal engineer shall serve as the point of contact for the work and shall be certified by the Nevada State Board of Professional Engineers and Land Surveyors, in accordance with Nevada Revised Statutes (NRS) chapter 625, as a licensed Civil Engineer.
- The Principal Engineer shall have a minimum of three (3) years of relevant, post-licensure professional engineering experience as the engineer in responsible charge of design and shall demonstrate competency in the broad area of practice commonly referred to as "civil engineering," which is assumed to include at least the following types of design work: hydraulic, hydrologic, geotechnical, grading and drainage, land development, utilities design, planning and permitting, construction administration, and other related work.
- The project team shall include project managers who are licensees in at least the following areas of practice: land survey, structural engineering, mechanical engineering, electrical engineering, architecture, landscape architecture, and construction administration. The project team may be comprised of sub-

consultants as necessary. Each project manager shall be an engineer, surveyor, architect, or landscape architect, as the case may be, and shall be licensed in accordance with chapters 625 (engineers and surveyors), 623, or 623A of NRS, respectively.

- Additional areas of expertise to be demonstrated by the project team which may not explicitly require professional licensure pursuant to NRS 623, 623A, or 625 include: environmental permitting and construction cost estimating.
- Each project manager shall have a minimum of three (3) years of relevant, post-licensure professional experience.
- The Principal Engineer and each project manager may employ a team of designers and other necessary para-professional staff to assist with the execution of the work. Each staff member shall supply a resume of related project experience.

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):

Wood Rodgers, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 3301 C Street, Bldg. 100-B	Website: www.woodrogers.com
City, State and Zip Code: Sacramento, CA 95816	Point of Contact Name: Justin Rollman
Telephone and Fax No. 916-341-7760	Email: jrollman@woodrogers.com

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

Street Address: 1361 Corporate Blvd.	Website: www.woodrogers.com
City, State and Zip Code: Reno, NV 89502	Point of Contact Name: Mark Casey
Local Telephone and Fax No. 775-823-4068 775-823-4066	Email: mcasey@woodrogers.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)
Mark A. Rodgers	President	17.34%
Steven P. Strickland	Vice President	5.80%
Timothy D. Denham	Vice President	5.58%

*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.

Digitally signed by Mark Casey
Date: 2020.12.01 08:36:06-08'00'

Mark Casey

Signature

Print Name

Vice President

12/1/20

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

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): 89

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

Kimley-Horn and Associates, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 421 Fayetteville Street, Suite 600	Website: www.kimley-horn.com
City, State and Zip Code: Raleigh, NC 27601	Point of Contact Name: See local contact below
Telephone and Fax No. T: 919-677-2000 F: N/A	Email: See local contact below

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

Street Address: 6671 Las Vegas Boulevard South, Suite 320	Website: www.kimley-horn.com
City, State and Zip Code: Las Vegas, NV, 89119	Point of Contact Name: Michael Mosley
Local Telephone and Fax No. T: 702-862-3600 F: N/A	Email: michael.mosley@kimley-horn.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)
N/A – No owner owns more than 3%	N/A	N/A

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

Jody W. Belsick
Signature

Jody W. Belsick, P.E., LEED AP
Print Name

Principal-in-Charge/Vice President
Title

12/3/2020
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

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):

GCW, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 1555 S. Rainbow Blvd.	Website: www.gcwengineering.com
City, State and Zip Code: Las Vegas, NV 89146	Point of Contact Name: Todd Kelley
Telephone and Fax No. 702-804-2144 702-804-2299	Email: tkelley@gcwengineering.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.	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)
GCW Holdings, Inc.	N/A	100%
Employee Stock Ownership Plan Trust	(not one employee owns 5% or more)	

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No


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

Yes No

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

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

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



 Signature
 President

 Title

Tim McCoy

 Print Name
 12/1/2020

 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



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

MEMORANDUM

December 30, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: January 11, 2021 | Transportation Board of Directors Meeting

ITEM #7: 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.*

Summary:

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

- Construction contracts under \$5,000,000 awarded November 13, 2020 through December 10, 2020.
- Agreements under \$300,000 executed November 13, 2020 through December 10, 2020.
- Settlements entered into by the Department which were presented for approval to the Board of Examiners November 13, 2020 through December 10, 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.

MEMORANDUM

Department of Transportation Board of Directors

December 30, 2020

Page 2 of 2

The Department contracts for services relating to the construction, operation and maintenance of the State's multi-modal transportation system. Contracts listed in this item are all low-bid per statute and executed by the Governor in his capacity as Board Chairman. The projects are part of the STIP document approved by the Board. In addition, the Department negotiates settlements with contractors, property owners, and other parties to resolve disputes. These proposed settlements are presented to the Board of Examiners, with the support and advisement of the Attorney General's Office, for approval. Other matters included in this item would be any emergency agreements entered into by the Department during the reporting period.

The attached construction contracts constitute all that were awarded for construction from November 13, 2020 through December 10, 2020 and agreements executed by the Department from November 13, 2020 through December 10, 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 Executed Agreements – Informational, November 13, 2020 through December 10, 2020.

Recommendation for Board Action:

Informational item only

Prepared by:

Administrative Services Division

Attachment

A

State of Nevada Department of Transportation
 Executed Agreements - Informational
 November 13, 2020 through December 10, 2020

Attachment A

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	33618	01	NEVADA TAHOE CONSERVATION DISTRICT	TAHOE BASIN IMPROVEMENTS	N	\$1,000,000.00	-	\$1,200,000.00	\$2,200,000.00	-	07/26/2018	06/30/2023	11/25/2020	Cooperative	Hydraulics	Jeff	Charlie	AMD 1 11-25-20: INCREASE AUTHORITY BY \$1,200,000.00 FROM \$1,000,000.00 TO \$2,200,000.00 AND EXTEND TERMINATION DATE FROM 12-31-20 TO 06-30-23 FOR CONTINUATION OF TAHOE BASIN IMPROVEMENT SERVICES. 07-26-18: PLAN, DESIGN, AND CONSTRUCT DRAINAGE, WATER QUALITY, AND EROSION CONTROL IMPROVEMENTS WITHIN THE TAHOE BASIN TO MEET LAKE TAHOE TMDL LAKE CLARITY COMMITMENTS, CARSON CITY, WASHOE, AND DOUGLAS COUNTIES. NV B/L#: EXEMPT
2	48220	00	NV ENERGY	LINE EXTENSION AGREEMENT	N	\$34,043.00	-	-	\$34,043.00	-	11/19/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-19-20: INSTALLATION OF A NEW THREE (3) PHASE 800A PAD-MOUNTED TRANSFORMER AND REQUIRED SWITCHGEAR AT THE NORTHWEST CORNER OF THE DISTRICT II HEADQUARTERS BUILDING, AT 310 GALLETTI WAY, SPARKS, WASHOE COUNTY. NV B/L#: NVD19831015840
3	48320	00	NV ENERGY	DESIGN INITIATION	N	\$3,000.00	-	-	\$3,000.00	-	11/16/2020	11/30/2021	-	Facility	Right-of-Way	Jeff	Craig	11-16-20: INSTALLATION OF A NEW SERVICE PEDESTAL FOR LIGHTING IMPROVEMENTS ON STATE ROUTE 431 (MOUNT ROSE HIGHWAY), FROM MILEPOST WA19.45 TO MILEPOST WA23.06, AT CALLAHAN ROAD AND EDMONTON DRIVE, WASHOE COUNTY. NV B/L#: NVD19831015840
4	48920	00	NV ENERGY	LINE EXTENSION AGREEMENT	Y	\$15,313.00	-	-	\$15,313.00	-	11/24/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-24-20: CONSTRUCTION OF SERVICE PEDESTAL TWO (2), TO UPGRADE A SYSTEM-TO-SYSTEM INTERCHANGE ON I-15, AT THE CC-215 NORTH BELTWAY INTERCHANGE, CLARK COUNTY. NV B/L#: NVD19831015840
5	49120	00	NV ENERGY	LINE EXTENSION AGREEMENT	Y	\$13,055.00	-	-	\$13,055.00	-	11/25/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-25-20: NEW ELECTRICAL SERVICES TO MEET THE IMPROVEMENT REQUIREMENTS FOR THE PHASE FOUR (4) PROJECT ON I-15, AT THE CC-215 NORTH BELTWAY INTERCHANGE, CLARK COUNTY. NV B/L#: NVD19831015840
6	49220	00	NV ENERGY	LINE EXTENSION AGREEMENT	Y	\$12,136.00	-	-	\$12,136.00	-	11/25/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-25-20: NEW ELECTRICAL SERVICES, ON SERVICE PEDESTAL ELEVEN (11), TO MEET THE IMPROVEMENT REQUIREMENTS ON THE PHASE FOUR (4) PROJECT ON INTERSTATE 15, AT THE CC-215 NORTH BELTWAY INTERCHANGE, CLARK COUNTY. NV B/L#: NVD19831015840
7	40220	00	CHURCHILL AREA REGIONAL TRANSPORTATION	GRANT-FUNDED PUBLIC TRANSIT	Y	\$462,294.00	-	-	\$462,294.00	-	10/01/2020	09/30/2021	-	Grantee	Planning	Sondra	Mark	10-01-20: ALLOCATION OF 5311 FEDERAL FUNDING TO THE GRANTEE TO ENHANCE RURAL PUBLIC TRANSPORTATION AS OUTLINED IN THE GRANTEE'S APPLICATION, CHURCHILL COUNTY. NV B/L#: NVD20021368562
8	40720	00	LYON COUNTY HUMAN SERVICES	GRANT FUNDED PUBLIC TRANSIT	Y	\$145,362.00	-	-	\$145,362.00	-	10/01/2020	09/30/2021	-	Grantee	Planning	Sondra	Mark	10-01-20: ALLOCATION OF 5311 FEDERAL FUNDING TO THE GRANTEE TO ENHANCE RURAL PUBLIC TRANSPORTATION AS OUTLINED IN THE GRANTEE'S APPLICATION, LYON COUNTY. NV B/L#: EXEMPT
9	39920	00	UNIVERSITY OF NEVADA, RENO	RESEARCH STUDY	N	\$299,600.00	-	-	\$299,600.00	-	11/16/2020	12/31/2023	-	Interlocal	Research	Sondra	Bob	11-16-20: PERFORM A COMPARATIVE STUDY IN REAL-WORLD FIELD CONDITIONS TO COMPARE THE ABILITY OF MULTIPLE SENSOR TYPES (LIDAR, THERMAL, CAMERA/VIDEO, RADAR) FOR RAPID DETECTION AND CORRECT CLASSIFICATION OF ANIMALS IN VARIED ROADSIDE ENVIRONMENTS. THIS PROJECT WILL ALSO DEVELOP A DEPLOYABLE COMBINATION OF ONE OR MORE SENSOR TYPES ALONGSIDE ROADWAYS WITH VARYING CONDITIONS, TO DETERMINE THE MOST COST-EFFECTIVE STAND-ALONE OR COMBINATION OF SENSORS, WASHOE COUNTY. NV B/L#: EXEMPT
10	34320	01	GALT DEVELOPMENT, LLC	COLDMILL AND OVERLAY	N	\$22,232.70	-	\$14,126.69	\$36,359.39	-	09/11/2020	06/30/2021	11/20/2020	Service Provider	District I	Tracy	Mario	AMD 1 11-20-20: INCREASE AUTHORITY BY \$14,126.69 FROM \$22,232.70 TO \$36,359.39 DUE TO VEHICLE FIRE ACCIDENT AT THE PROJECT LOCATION. 09-11-20: COLDMILL AND OVERLAY EXISTING ROADWAY PAVEMENT WITH THREE QUARTER (3/4) INCH PLANTMIX BITUMINOUS OPEN-GRADED SURFACE ON I-15 SOUTHBOUND, JUST SOUTH OF LAKE MEAD BOULEVARD, CLARK COUNTY. NV B/L#: NVD20101761769-Q
11	23320	00	HDR ENGINEERING, INC.	BIOLOGICAL OPINION AND MANUAL	N	\$77,410.00	-	-	\$77,410.00	-	11/16/2020	06/30/2021	-	Service Provider	Environmental	Cliff	My-Linh	11-16-20: FINALIZATION OF THE PROGRAMMATIC BIOLOGICAL OPINION, BIOLOGICAL ASSESSMENT AND TWO DESERT TORTOISE MANUALS, INCLUDING THE FIELD MANUAL AND THE PROCESS AND PROCEDURES MANUAL, CLARK, ESERALDA, LINCOLN AND NYE COUNTIES. NV B/L#: NVF19851010291-R PROPOSERS: BIO LOGICAL, LLC, HDR ENGINEERING, INC., NEWFIELDS COMPANIES, LLC, SWCA, INC.
12	49820	00	MODERN STORAGE, LLC	TEMPORARY RELOCATION	N	\$7,200.00	-	-	\$7,200.00	-	12/07/2020	12/31/2020	-	Service Provider	Right-of-Way	Jeff	Craig	12-07-20: TEMPORARY ON-SITE RELOCATION OF THE HOOTEN TIRE COMPANY, FROM 1940 EAST 4TH STREET, RENO, DUE TO THE WIDENING OF EASTBOUND I-80 TO SOUTHBOUND I-580, WASHOE COUNTY. NV B/L#: NVD20071542340
13	51820	00	TAB CONTRACTORS, INC.	PLACE ROCK MULCH	N	\$160,535.00	-	-	\$160,535.00	-	12/03/2020	06/30/2021	-	Service Provider	District I	Tracy	Mario	12-03-20: PLACE FOUR (4) INCH STATE-FURNISHED ROCK MULCH ON SLOPES AT I-15 AND GALLERIA INTERCHANGE, AT MILEPOST 64.12, CLARK COUNTY. NV B/L#: NVD19841002404-Q PROPOSERS: TAB CONTRACTORS, INC., LAS VEGAS PAVING CORP., AND ROWLEY CONTRACTING
14	52320	00	TATE SNYDER KIMSEY ARCHITECTS, LTD, DBA TSK	ENGINEERING DESIGN SERVICES	N	\$26,000.00	-	-	\$26,000.00	-	11/19/2020	07/31/2022	-	Service Provider	Architecture	Darin	Anita	11-19-20: ARCHITECTURAL AND ENGINEERING DESIGN SERVICES FOR THE COVERED STORAGE OF SAND AND SALTS USED FOR WINTER ROAD TREATMENT AT THE WELLINGTON MAINTENANCE STATION, WELLINGTON, NV, DOUGLAS COUNTY. NV B/L#: NVD19821003232
15	51320	00	VELOCITY VEHICLE GROUP	ENGINE REPLACEMENT	N	\$34,747.70	-	-	\$34,747.70	-	11/16/2020	02/15/2021	-	Service Provider	Equipment	Tracy	Wayne	11-16-20: REPLACE FAILING ENGINE IN UNIT 0961 WITH A FACTORY RE-MANUFACTURED ENGINE ALONG WITH RELATED PARTS, WASHOE COUNTY. NV B/L#: NVF20011001977-S

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16	10115	03	CITY OF LAS VEGAS	PROJECT NEON: RIGHT-OF-WAY AND MAINTENANCE ROLES AND RESPONSIBILITIES	Y	\$51,000,000.00	\$30,165,000.00	-	-	\$81,165,000.00	03/09/2015	12/31/2021	11/25/2020	Cooperative	Project Management	Jeff	Nick	AMD 3 11-25-20: NO COST AMENDMENT TO REPLACE "EXHIBIT B" WITH "EXHIBIT B.1" THAT DEFINES THE FINAL MAINTENANCE AND RIGHT-OF-WAY OWNERSHIP LIMITS FOR THE CITY OF LAS VEGAS AND THE DEPARTMENT. AMD 2 06-23-17: INCREASE CONTINGENCY AUTHORITY BY \$4,000,000.00 FROM \$77,165,000.00 TO \$81,165,000.00 FOR RIGHT-OF-WAY ACTIVITIES. AMD 1 11-24-15: INCREASE AUTHORITY BY \$26,165,000.00 FROM \$51,000,000.00 TO \$77,165,000.00 FOR RIGHT-OF-WAY ACTIVITIES. 03-09-15: IDENTIFY ROLES, RESPONSIBILITIES, AND FUNDING TO CONSTRUCT PROJECT NEON DESIGN-BUILD PROJECT, CLARK COUNTY. NV B/L#: EXEMPT
17	31519	01	CITY OF LAS VEGAS	INTERSECTION IMPROVEMENTS	N	-	-	-	-	-	07/31/2019	12/31/2022	11/16/2020	Cooperative	Traffic Safety	Sondra	Fred	AMD 1 11-16-20: NO COST AGREEMENT TO EXTEND THE TERMINATION DATE FROM 12-31-20 TO 12-31-22 DUE TO DELAYS RECEIVING THE TRAFFIC SIGNAL AND STREET LIGHTING POLES. 7-31-19: NO COST AGREEMENT FOR THE DEPARTMENT TO ENTER THE CITY OF LAS VEGAS RIGHT-OF-WAY TO CONSTRUCT INTERSECTION IMPROVEMENTS AND LANDSCAPING ALONG THE EASTERN AVENUE CORRIDOR, CLARK COUNTY. NV B/L#: EXEMPT
18	48820	00	CENTURYLINK COMMUNICATIONS, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	11/19/2020	11/30/2045	-	Facility	Right-of-Way	Jeff	Craig	11-19-20: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 212767, ON US-95 FROM MILEPOST 92.17 TO MILEPOST 92.26, CLARK COUNTY. NV B/L#: EXEMPT
19	21518	01	EIP COMMUNICATIONS I, LLC	COMMUNICATIONS FACILITIES LEASE	N	\$110,142.00	-	-	\$110,142.40	-	07/01/2018	06/30/2028	11/24/2020	Facility	Traffic Operations	Darin	Seth	AMD 1 11-24-20: NO COST AMENDMENT TO AMEND SECOND PARTY NAME DUE TO BEAR VALLEY COMMUNICATIONS INC. DBA KNS COMMUNICATIONS CONSULTANTS TRANSFERRING ALL RIGHTS, TITLE AND INTEREST IN AGREEMENT P215-18-016 TO EIP COMMUNICATIONS I, LLC ON JULY 30, 2019. AMEND EXHIBIT A AND EXHIBIT C DUE TO TRANSFER OF OWNERSHIP AND ADD EXHIBIT D-1 FOR ITS/NEVADA SHARED RADIO SYSTEM DEVICE CONNECTIVITY. 07-01-18: LEASE OF COMMUNICATIONS FACILITIES AND TOWER FOR INTELLIGENT TRAFFIC SYSTEM (ITS) AND NEVADA STATE RADIO SYSTEM (NSRS) COMMUNICATIONS EQUIPMENT, ELKO COUNTY. NV B/L#: NVF20181887362
20	49320	00	INCLINE VILLAGE GENERAL	MANHOLE AND VALVE COVERS	N	\$74,900.00	-	-	-	\$74,900.00	11/30/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-30-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS AND METER BOXES, FOUR (4) INCH MILL TO THE ROADWAY WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, FOR THE UPGRADE OF ADA RAMPS AND SIDEWALKS FOR PROJECT SPF-028-1(027), ON STATE ROUTE 28, ONE (1) MILE NORTH OF SAND HARBOR, WASHOE COUNTY. NV B/L#: EXEMPT
21	49420	00	INCLINE VILLAGE GENERAL	MANHOLE AND VALVE COVERS	N	\$3,200.00	-	-	-	\$3,200.00	11/30/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-30-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS, FOUR (4) INCH MILL TO THE ROADWAY WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, SHOULDER RECONSTRUCTION ON PROJECT SPSR-0431(022), ON STATE ROUTE 431; FROM STATE ROUTE 28 TO 0.062 MILES EAST OF MT. ROSE SUMMIT, WASHOE COUNTY. NV B/L#: EXEMPT
22	49520	00	INCLINE VILLAGE GENERAL	MANHOLE AND VALVE COVERS	N	\$3,300.00	-	-	-	\$3,300.00	11/30/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-30-20: NO COST AGREEMENT TO ADJUST SEWER MANHOLE FACILITIES CURRENTLY IN CONFLICT WITH THE DEPARTMENT'S 3R PROJECT ON STATE ROUTE 431; FROM STATE ROUTE 28 TO 0.062 MILES EAST OF MT. ROSE SUMMIT, WASHOE COUNTY. NV B/L#: EXEMPT
23	48620	00	LINCOLN COUNTY TELEPHONE	OCCUPANCY PERMIT	N	-	-	-	-	-	11/24/2020	11/30/2045	-	Facility	Right-of-Way	Jeff	Craig	11-24-20: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 212728, ON US-93 AT MILEPOST 39.00, LINCOLN COUNTY. NV B/L#: NVD19511000265
24	48720	00	MCIMETRO ACCESS TRANSMISSION SERVICES, INC.	OCCUPANCY PERMIT	N	-	-	-	-	-	11/19/2020	11/30/2045	-	Facility	Right-of-Way	Jeff	Craig	11-19-20: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 212645, FOR ROUTE FRWA-23 FROM MILEPOST 0.03 TO MILEPOST 0.33, WASHOE COUNTY. NV B/L#: EXEMPT
25	49720	00	NEVADA BELL TELEPHONE	MANHOLE AND VALVE COVERS	N	\$11,800.00	-	-	-	\$11,800.00	12/07/2020	12/31/2025	-	Facility	Right-of-Way	Jeff	Craig	12-07-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS AND VAULT FACILITIES CURRENTLY IN CONFLICT WITH NDOT'S 3R PROJECT ON STATE ROUTE 28; ONE (1) MILE NORTH OF SAND HARBOR TO THE NEVADA/CALIFORNIA STATE LINE, WASHOE COUNTY. NV B/L#: NVD19131000017
26	49620	00	NEVADA BELL TELEPHONE	MANHOLE AND VALVE COVERS	N	\$4,400.00	-	-	-	\$4,400.00	11/30/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-30-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS FOR A FOUR (4) INCH MILL TO THE ROADWAY, WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, SHOULDER RECONSTRUCTION ON STATE ROUTE 431; FROM STATE ROUTE 28 TO 0.062 MILES EAST OF THE MT. ROSE SUMMIT, WASHOE COUNTY. NV B/L#: NVD19131000017
27	47920	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	11/06/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-06-20: NO COST AGREEMENT TO REVIEW AND APPROVE THE DESIGN OF A NEW SERVICE PEDESTAL LOCATION FOR HORSE FENCE LIGHTING ON US-50 AT ALL AMERICAN STORAGE, PRIVATE DRIVE, APPROXIMATE MILEPOST LY 2.4, LYON COUNTY. NV B/L#: NVD19831015840
28	48520	00	NV ENERGY	DESIGN APPROVAL	Y	-	-	-	-	-	11/16/2020	11/30/2025	-	Facility	Right-of-Way	Jeff	Craig	11-16-20: NO COST AGREEMENT TO REVIEW AND APPROVE THE DESIGN OF A NEW SERVICE PEDESTAL LOCATION, FOR THE INSTALLATION OF OVERHEAD LUMINARIES AT 550A STATE ROUTE 28 IN INCLINE VILLAGE, WASHOE COUNTY. NV B/L#: NVD19831015840
29	49920	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	12/07/2020	12/31/2025	-	Facility	Right-of-Way	Jeff	Craig	12-07-20: NO COST AGREEMENT TO REVIEW AND APPROVE THE DESIGN OF A NEW SERVICE PEDESTAL LOCATION, FOR THE INSTALLATION OF OVERHEAD LUMINARIES, AT 500A LAKESHORE BOULEVARD, IN INCLINE VILLAGE, WASHOE COUNTY. NV B/L#: NVD19831015840
30	50020	00	SOUTHWEST GAS CORPORATION	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	12/07/2020	12/31/2025	-	Facility	Right-of-Way	Jeff	Craig	12-07-20: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS FOR A FOUR (4) INCH MILL TO THE ROADWAY, WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, FOR THE UPGRADE OF ADA RAMPS AND SIDEWALKS, AND THE INSTALLATION OF AN INTELLIGENT TRAFFIC SYSTEM (ITS) TRUNK-LINE AND CONSTRUCTION OF A SOIL-NAIL RETAINING WALL ON STATE ROUTE 28; ONE (1) MILE NORTH OF SAND HARBOR TO THE NEVADA/CALIFORNIA STATE LINE, WASHOE COUNTY. NV B/L#: NVF19571000091
31	37020	00	CITY OF LAS VEGAS	USE OF CITY STREETS FOR DETOUR	N	-	-	-	-	-	11/16/2020	12/31/2030	-	Interlocal	Project Management	Jeff	Nick	11-16-20: NO COST AGREEMENT FOR COORDINATION AND COOPERATION BETWEEN THE DEPARTMENT AND THE CITY OF LAS VEGAS TO USE SELECTED CITY STREETS AS DETOUR ROUTES WHEN THE I-515 FREEWAY AND RAMPS ARE CLOSED TO PERFORM THE VIADUCT REHABILITATION WORK, CLARK COUNTY. NV B/L#: EXEMPT
32	39320	00	CITY OF WINNEMUCCA	STRIPING SERVICES	N	\$87,500.00	-	-	-	\$87,500.00	11/19/2020	12/31/2025	-	Interlocal	District III	Tracy	Boyd	11-19-20: NO COST AGREEMENT TO FURNISH DEPARTMENT LABOR, EQUIPMENT AND MATERIALS TO PROVIDE ROADWAY CENTERLINE AND SHOULDER STRIPING ON CITY ROADWAYS WITHIN WINNEMUCCA CITY LIMITS, HUMBOLDT COUNTY. NV B/L#: EXEMPT

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33	46117	02	UNIVERSITY OF NEVADA, RENO	DEVELOP CONSTRUCTION GUIDE	N	\$150,000.00	-	-	\$150,000.00	-	08/22/2017	12/31/2021	11/24/2020	Interlocal	Maintenance and Asset Management	Darin	Anita	AMD 2 11-24-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 12-31-20 TO 12-31-21 DUE TO A LONGER PERIOD REQUIRED TO COMPLETE THE CONSTRUCTION AND INSPECTION GUIDE FOR THE PAVEMENT PRESERVATION TREATMENTS. AMD 1 10-15-19: NO COST AMENDMENT EXTENDING THE TERMINATION DATE FROM 12-31-19 TO 12-31-20 TO COMPLETE THE GUIDE FOR CONSTRUCTION AND INSPECTION OF THE PAVEMENT PRESERVATION TREATMENTS. 08-22-17: DEVELOP A CONSTRUCTION AND INSPECTION GUIDE FOR PAVEMENT PRESERVATION TREATMENTS, WASHOE COUNTY. NV B/L#: EXEMPT
34	47220	00	BLADLOW PROPERTIES, LLC	MULTI-USE LEASE	N	\$6,815.00	-	-	-	\$6,815.00	11/30/2020	10/31/2025	-	Lease	Right-of-Way	Jeff	Craig	11-30-20: NO COST AGREEMENT FOR RECURRING RENEWABLE (RERE) YEARLY LEASE FOR FIVE (5) YEARS, WITH THREE (3) OPTIONS TO EXTEND LEASE FOR FIVE (5) YEARS EACH, ON PARCEL 015-194-24, WASHOE COUNTY. NV B/L#: NVD20021072759
35	48420	00	CITY OF MEQUITE	MULTI-USE LEASE	N	\$15.00	-	-	-	\$15.00	11/19/2020	11/30/2025	-	Lease	Right-of-Way	Jeff	Craig	11-19-20: NO COST AGREEMENT FOR RECURRING RECEIVABLE FIVE (5) YEAR LEASE, WITH THE OPTION OF RENEWING THREE (3) TIMES, ON PARCEL I-015-CL-122.925 LE1, CLARK COUNTY. NV B/L#: NVD20161413641
36	51620	00	GCR, INC.	AIRPORT INSPECTION SERVICES	Y	\$9,750.00	-	-	-	\$9,750.00	11/17/2020	09/30/2021	-	Service Provider	Planning	Sondra	Mark	11-17-20: NO COST AGREEMENT TO PROVIDE FOR GCR INC.'S USE OF FEDERAL AVIATION ADMINISTRATION (FAA) REIMBURSEMENT FUNDS FOR THE REIMBURSEMENT OF THE DEPARTMENT'S COSTS INCURRED IN UNDERTAKING AND PERFORMING AIRPORT INSPECTION SERVICES AND THE COLLECTION OF AIRPORT SAFETY DATA, STATEWIDE. NV B/L#: NVDF20181832110
37	09119	01	JAB CONSTRUCTION, INC.	SUB-SURFACE UTILITY EXPLORATION	N	\$2,000,000.00	-	(\$150,000.00)	\$1,850,000.00	-	09/05/2019	6/30/2023	11/25/2020	Service Provider	Hydraulics	Jeff	Charlie	AMD 1 11-25-20: NO COST AMENDMENT TO DECREASE AUTHORITY BY \$150,000.00 FROM \$2,000,000.00 TO \$1,850,000.00 TO REALLOCATE FUNDS TO OTHER PROJECTS WITHIN THE HYDRAULICS DIVISION. 09-05-19: PROVIDE CLEANING SERVICES AND CONDUCT VIDEO INSPECTION OF CULVERTS FOR UPCOMING DEPARTMENT PROJECTS TO BETTER ENABLE THE HYDRAULIC DIVISION TO PRODUCE DESIGNS THAT ACCURATELY REPRESENT AND ACCOMMODATE THE FIELD CONDITIONS. A LOG OF THE CULVERTS THAT ARE CLEANED WILL BE PROVIDED TO THE OPERATIONS AND MAINTENANCE DIVISION FOR ENTRY INTO THE DEPARTMENT'S ELECTRONIC MAINTENANCE MANAGEMENT SYSTEM (MMS) AND ENTERPRISE ASSET MANAGEMENT SYSTEM (EAMS) FOR ASSET TRACKING, AND DOCUMENTATION OF WHEN THE FACILITIES HAVE BEEN LAST MAINTAINED, STATEWIDE. NV B/L#: NVD20091296708-R
38	25417	02	KIMLEY-HORN AND ASSOCIATES	ON-CALL CIVIL ENGINEERING MAINTENANCE BETTERMENT PROGRAM	N	\$1,500,000.00	-	-	\$1,500,000.00	-	6/20/2017	6/30/2021	12/8/2020	Service Provider	Maintenance and Asset Management	Darin	Anita	AMD 2 12-08-20: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 12-31-20 TO 06-30-21 TO ALLOW FOR COMPLETION OF ACTIVE TASK ORDER AND FOR CONTINUATION OF SERVICES. AMD1 06-14-18: EXTEND TERMINATION DATE FROM 12-31-18 TO 12-31-20 DUE TO THE CONTINUED DEMAND OF SERVICES AND TO CONTINUE EXISTING SERVICES. 06-20-17: CIVIL ENGINEERING DESIGN SERVICES PROCURED UNDER RFP 494-16-050 FOR THE MAINTENANCE AND ASSET MANAGEMENT DIVISION. PROVIDE CIVIL ENGINEERING SERVICES ON AN ON-CALL BASIS FOR THE MAINTENANCE BETTERMENT PROGRAM. SERVICES INCLUDE PRELIMINARY DESIGN FIELD STUDIES, RIGHT-OF-WAY & ENVIRONMENTAL DOCUMENTS, PRELIMINARY DESIGN, AND BID DOCUMENTS, STATEWIDE. NV B/L#: NVD20081407877, NVF19991246016 AND NVF19911015458-R
39	36613	06	OVERLAND, PACIFIC & CUTLER, LLC	RIGHT-OF-WAY SERVICES FOR NEON	Y	\$5,972,283.80	-	-	\$5,972,283.80	-	01/15/2014	12/31/2021	11/19/2020	Service Provider	Project Management	Jeff	Nick	AMD 6 11-19-20: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 12-31-20 TO 12-31-21 FOR CONTINUATION OF SERVICES DUE TO OUTSTANDING RELOCATIONS THAT NEED COMPLETION. AMD 5 11-07-19: EXTEND TERMINATION DATE FROM 12-31-19 TO 12-31-20 FOR CONTINUATION OF SERVICES. AMD 4 11-25-18: EXTEND TERMINATION DATE FROM 12-31-18 TO 12-31-19 FOR CONTINUATION OF SERVICES. AMD 3 12-18-17: EXTEND TERMINATION DATE FROM 12-31-17 TO 12-31-18 FOR CONTINUATION OF SERVICES. AMD 2 06-19-17: EXTEND TERMINATION DATE FROM 06-31-17 TO 12-31-17; UPDATED NV B/L EXPIRATION DATE. AMD 1 12-13-16: EXTEND TERMINATION DATE FROM 12-31-16 TO 06-30-17 FOR THE RECONSTRUCTION OF THE CHARLESTON BOULEVARD INTERCHANGE. 01-15-14: PROJECT NEON RIGHT OF WAY SERVICES INCLUDING APPRAISAL, APPRAISAL REVIEW, ACQUISITION, RELOCATION, PROPERTY MANAGEMENT, AND RIGHT OF WAY ENGINEERING FOR PHASE P3, CLARK COUNTY. NV B/L#: NVF20041372512-R
40	32020	01	VSS INTERNATIONAL, INC.	SLURRY SEAL ON US 95A	N	\$242,120.00	-	-	\$242,120.00	-	08/12/2020	7/31/2021	8/23/2020	Service Provider	District II	Tracy	Mike	AMD 1 08-23-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 09-23-20 TO 07-31-21 DUE TO INSUFFICIENT AMOUNT OF DAYS TO COMPLETE THE WORK. 08-12-20: SLURRY SEAL ON US 95A, MILEPOST LY 59.83 TO MILEPOST LY 60.63, LYON COUNTY. NV B/L#: NVD20101378917-Q
41	08820	01	WILLIAMS AND COMPANY CONSULTING, INC.	STORAGE TANK TRAINING	N	\$12,500.00	-	-	\$12,500.00	-	04/15/2020	12/31/2021	11/30/2020	Service Provider	Training	Cole	Allison	AMD 1 11-30-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 12-31-20 TO 12-31-21 DUE TO COVID-19 PANDEMIC SOCIAL DISTANCING AND STAY-AT-HOME PROTOCOLS DELAYING COMPLETION OF TRAINING. 4-15-20: TRAINING FOR STORAGE TANK CLASS A/B OPERATOR BASED ON NDEP REQUIREMENTS TO DISTRICT 1 AND 2 MAINTENANCE STAFF WITH UNDERGROUND STORAGE TANKS AT THEIR FUELING STATIONS. NV B/L#: NVF20121203683-S



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MEMORANDUM

December 29, 2020

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: January 11, 2020 | Transportation Board of Directors Meeting

ITEM #8: Nevada Department of Transportation 2020 Annual Report– *Informational Item only*

Summary:

The Department prepares an Annual Report (formerly known as “Facts and Figures”) to provide board members, legislators, stakeholders, and the public a reference guide for the Department. This report contains general information and data about NDOT, such as financial and performance information, as well as some highlights from the previous year. This year, NDOT has renamed this comprehensive report to the “Annual Report” and will also be creating a shorter reference guide with just the facts & figures prior to the start of the legislative session.

Recommendation for Board Action:

For information only

List of Attachments (provided under separate cover)

Nevada Department of Transportation 2020 Annual Report

Prepared by:

Sondra Rosenberg, Assistant Director, Planning
Ryan McInerney, Communications Director