



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, March 8, 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 March 8, 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 Appointment of Acting Deputy Director Jeff Lerud as Interim Secretary to the Transportation Board of Directors pursuant to NRS 408.121.—*For possible action.*
4. Consideration of Approval of the February 8, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes.—*For possible action.*
5. Receive Director's Report.—*Informational item only.*
6. Consideration of Approval of Contracts over \$5,000,000—*For possible action.*
7. Consideration of Approval of Agreements over \$300,000—*For possible action.*
8. 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.*
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
Phone: (775) 888-7440
Fax: (775) 888-7201

MEMORANDUM

February 22, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: March 8, 2021 | Transportation Board of Directors Meeting

ITEM #3: Consideration of Appointment of Acting Deputy Director Jeff Lerud as Interim Secretary to the Transportation Board of Directors pursuant to NRS 408.121.— *For possible action.*

Summary:

The purpose of this agenda item is to recommend that the State Transportation Board of Directors appoint Acting Deputy Director Jeff Lerud to serve as interim Secretary of the Transportation Board of Directors until the vacant Deputy Director position is filled and that individual is recommended to and approved by the Board to serve as its Secretary.

Background:

Pursuant to NRS 408.121, "The Board shall appoint a Secretary from within the Department" whose duties are provided in that statute.

Analysis:

It has been customary to appoint a Deputy Director as the Secretary of the Transportation Board. Per the statute, this action is being taken in accordance with NRS 408.121 to provide an interim Secretary until the vacant Deputy Director position is filled.

List of Attachment(s):

None.

Recommendation for Board Action:

It is recommended that the Board appoint Acting Deputy Director Jeff Lerud to serve as interim Secretary of the Transportation Board of Directors.

Prepared by:

Renee Jacobs, Executive Assistant



Nevada Department of Transportation

Board of Directors • Meeting Minutes

February 8, 2021

9:30 A.M.

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, February 8, 2021. A roll call was conducted, and a quorum was established.

Present: Governor Steve Sisolak, Controller Catherine Byrne, Member Virginia Valentine, Member Justin Kalb, Member Stephen Ascuaga. Lt. Governor Kate Marshall joined the meeting at approximately 13:44 minutes into the meeting.

2. Public Comment #1

There were no public comments regarding items on the agenda.

3. Consideration of Appointment of a Secretary to the Transportation Board of Directors pursuant to NRS 408.121. (For Possible Action)

Director Swallow requested that this item be postponed until the March meeting. Governor Sisolak agreed to the request.

4. Consideration of Approval of the January 11, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes. (For Possible Action)

Motion: Approve the January 11, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes

By: Controller Catherine Byrne



Nevada Department of Transportation

Board of Directors • Meeting Minutes

February 8, 2021

9:30 A.M.

Vote: Passed unanimously

5. Receive Director's Report (Informational Item)

Director Swallow began the Director's Report with a discussion on safety. Director Swallow informed the Board that NDOT has just received January's safety statistics earlier in the morning and, as such, did not have a presentation for the Board, but instead opted to discuss winter weather safety. Director Swallow discussed the fact that the state has already experienced several seasonal storms. Director Swallow shared that Nevada winters can bring harsh and rapidly changing conditions including black ice, avalanche-prone areas, and snow equipment on the roads. Director Swallow informed the Board that more than 2,000 crashes on average occur statewide each year during winter due to unsafe driving as well as dangerous road conditions. Director Swallow informed the Board that during storms, NDOT crews work in 12-hour shifts with rotating personnel to provide 24 hour a day snow removal. With that, Director Swallow shared with the Board life-saving, winter safety driving guidelines that included: traveling in winter weather only when necessary; checking road conditions and weather by calling 511 prior to traveling; leaving enough time to safely reach the end destination; removing snow and ice from vehicles; wearing a seatbelt; turning on headlights and turning off cruise control; driving slowly; maintaining a safe distance from other drivers; exercising caution when passing; observing snow equipment; using extra caution on bridges, ramps, and shaded areas that may freeze; keeping the fuel tank full; and carrying tire chains when driving through mountain passes and snowy areas. Director Swallow encouraged the public to be prepared and to help keep roads clear and advised that for more winter driving tips, information can be found at NevadaDOT.com/winter.

Director Swallow informed the Board of a fatal crash that took place on Sunday, January 17th in which a three-car crash on US 95A involving a 72-year-old woman in Lyon County. The victim failed to slow for a Nissan pickup truck waiting to turn left, left the roadway in order to avoid hitting the truck, over-corrected, and ended up in the northbound lane of US 95A at which time a commercial Peterbilt vehicle traveling northbound then struck her Dodge Ram. The driver was declared dead at the scene and NHP continues to investigate the crash.

Director Swallow next updated the Board on the impacts of the pandemic on traffic and how it may relate to NDOT's revenue. Director Swallow indicated that NDOT has now evolved reporting to quarters rather than months as the pandemic continues. Director Swallow informed the Board that most count stations are starting to see and/or maintaining some level of improvement over the initial stages of the pandemic. Nonetheless, in January 2021, the majority of count stations remained below January 2019 and January 2020 levels. Director



Nevada Department of Transportation

Board of Directors • Meeting Minutes

February 8, 2021

9:30 A.M.

Swallow informed the Board that traffic remains below 2019 and 2020 averages on I-15 at the California border, but I-15 traffic is picking up in southern Nevada at Apex and on the eastern border at Mesquite, where traffic levels in January 2021 exceeded traffic levels prior to the pandemic. Director Swallow indicated that traffic remains strong but below the peak of the December holiday season. I-80 in Elko and other counties continue to see strong truck traffic.

Director Swallow informed the Board that the Legislative Session has started and indicated that NDOT has a team working to support lawmakers, the Governor's office, and other stakeholders on issues related to transportation. The legislative team is headed by legislative Director of Communications and Government Affairs, Ryan McInerney, with the assistance of Debbie Binggeli, Legislative Coordinator and customer service manager, who will help to track bills, committee sessions, and floor sessions to ensure preparedness for potential future questions.

Director Swallow updated the Board on job numbers approved by the Board of Directors since the beginning of FY '21 in October. The Board has approved contracts ensuring employment of 1,473 Nevadans with another 589 job years pending per this agenda, thus totaling, upon approval of the agenda, 2,062 transportation-supported jobs from October 2020 to February of 2021.

Director Swallow discussed the importance of the appointment of Secretary of Transportation Pete Buttigieg, who intends to focus on fighting climate change and rebuilding the nation's infrastructure. Director Swallow indicated that these things are of great importance to NDOT as well. Secretary Buttigieg has stated that the US Department of Transportation can play a central role in building the economy by creating good-paying jobs, revitalizing communities, enabling workers and families to compete in the global economy, and tackling the climate crisis. Both Nevada senators voted to confirm Secretary Buttigieg.

Director Swallow informed the Board that Jeff Lerud, who joined the NDOT team in the past months as an Assistant Director for Engineering, has agreed to step into the role of Acting Deputy Director of Operations and Maintenance.

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

Director Swallow informed the Board of two contracts for consideration. Q&D Construction was the low bidder for a 6.5-mile section I-80 in Elko County, adjacent to Elko City. The project will address pavement issues and



Nevada Department of Transportation

Board of Directors • Meeting Minutes

February 8, 2021

9:30 A.M.

improve bridge maintenance and signage along the corridor. Q&D Construction was also the low bidder for the project that includes South Lake for State Route 28 on the California/Nevada state line through Incline Village to one mile north of Sand Harbor and State Route 431 from the summit of Mount Rose Highway down into Incline Village. The project will be a pavement project and will include critical ADA upgrades and storm-water improvements to help mitigate impact on and ensure preservation of the Lake moving forward.

Motion: Approve Contracts over \$5,000,000
By: Member Stephen Ascuaga
Vote: Passed unanimously

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

Director Swallow informed the Board that there are three agreements for the Board's consideration. The agreement with Ford Audio Video Systems will provide maintenance and component replacements for video systems in each district's road operation centers statewide. The improvements will prevent system outages and ensure that the driving public is apprised of road conditions. The agreement with Milestone Solutions will help NDOT to study alternative, sustainable transportation funding strategies for potential shortfalls in evolving to a cleaner, greener system with more electric vehicles. The third proposal is for an on-call agreement recommended to five consultants: Avenue Consultants; CA Group; CDM Smith; Horrocks Engineers; and Jacobs Engineering Group. Director Swallow informed the Board that this on-call agreement will help provide indefinite delivery and indefinite quantity services for NDOT's program management and project delivery divisions. This agreement will assist NDOT with programmatic needs, including managing larger programs and helping with alternative delivery.

Motion: Approve Agreements over \$300,000
By: Member Justin Kalb
Vote: Passed unanimously

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

Director Swallow informed this is an information item only.

There were no questions from members.



Nevada Department of Transportation

Board of Directors • Meeting Minutes

February 8, 2021

9:30 A.M.

9. Public Comment #2

There was no public comment.

10. Executive Session

There was no executive session in this meeting.

11. Adjournment (For Possible Action)

Motion: Adjourn the February 8, 2021 Nevada Department of Transportation Board of Directors Meeting
By: Member Virginia Valentine
Vote: Passed unanimously

Secretary to the Board of Directors



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

MEMORANDUM

February 26, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: March 08, 2021 | Transportation Board of Directors Meeting

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

Summary:

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

Background:

The Department contracts for services relating to the construction, operation and maintenance of the State's multi-modal transportation system. Contracts listed in this item are all low-bid per statute.

The attached construction contracts constitute all contracts over \$5,000,000 for which the bids were opened and the analysis completed by the Bid Review and Analysis Team and the Contract Compliance section of the Department from January 8, 2021 through February 4, 2021.

Analysis:

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

List of Attachments:

- A. State of Nevada Department of Transportation Contracts for Approval, January 8, 2021 through February 4, 2021.

Recommendation for Board Action:

Approval of the contracts listed on Attachment A.

Prepared by:

Administrative Services Division

Attachment

A

STATE OF NEVADA DEPARTMENT OF TRANSPORTATION

CONTRACTS FOR APPROVAL

January 8, 2021, through February 4, 2021

1. January 7, 2021 at 1:30 PM the following bids were opened for Contract **3828-READV**, Project No. NHP-015-1(160), on I-15, in Clark County, rehab pavement NB & SB, SR 161 at Jean Interchange, install new WIM system, for 2 inch coldmill with 3 inch plantmix bituminous surface with 3/4 inch open graded surface (SB lanes only); 1 inch coldmill with 1 inch open graded surface (NB lanes only).

Las Vegas Paving Corporation \$10,765,000.00
Aggregate Industries SWR, Inc..... \$11,269,990.00

Engineer's Estimate \$12,693,120.97

The Director recommends award to Las Vegas Paving Corporation in the amount of \$10,765,000.00.

2. January 14, 2021 at 1:30 PM the following bids were opened for Contract **3857**, Project No. SPI-080-3(037), on I-80, from 0.936 miles east of the Pumpernickel Valley Interchange to 1.788 miles east of the Valmy Interchange, in Humboldt County, for cold mill and place plantmix bituminous surface with open grade.

Road and Highway Builders LLC \$16,616,616.00
Q & D Construction LLC \$17,700,000.00
W.W. Clyde & Co..... \$19,527,274.64
Sierra Nevada Construction, Inc. \$20,411,007.00
Granite Construction Company..... \$20,769,769.00

Engineer's Estimate \$17,812,032.69

The Director recommends award to Road and Highway Builders LLC in the amount of \$16,616,616.00.

3. January 21, 2021 at 1:30 PM the following bids were opened for Contract **3856**, Project No. NHP-515-1 (040), BR-515-1(045), on I-515 / US 95, Las Vegas, From Eastern Avenue to Las Vegas Spaghetti Bowl, and at Eastern Avenue and Desert Inn Road, in Clark County, for Seismic Retrofit and Bridge Deck Rehabilitation of Downtown Las Vegas Viaducts and Ramp Structures; Provide Additional Southbound Lane From I 15 To Eastern Avenue by Restriping the Existing Southbound Roadway With Narrower Lanes and Shoulders. Replace Structures H-1450 and I-1440.

Las Vegas Paving Corporation.....	\$38,770,000.00
Granite Construction Company	\$42,986,986.00

Engineer's Estimate \$38,440,303.17

The Director recommends award to Las Vegas Paving Corporation in the amount of \$38,770,000.00.

Line Item 1



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

MEMORANDUM
Administrative Services

February 12, 2021

To: Kristina Swallow, P.E., Director
Jeff Lerud, Acting Deputy Director of Operations and Maintenance
Darin Tedford, Deputy Director, Project Delivery

From: Tyler Saunders, Contract Services Manager – Administrative Services

DS
TS

Subject: Concurrence in Award for Contract No. 3828-READV, Project No. NHP-015-1(160), on I-15 and SR 161 at Jean Interchange in Clark County described as cold mill with plantmix bituminous surface with open graded surface (SB lanes only); cold mill with open graded surface (NB lanes only); and install new WIM System.
The Engineer's Estimate is \$12,693,120.97.

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

Bid proposals were opened on January 7, 2021. Las Vegas Paving Corporation is the apparent low bidder at \$10,765,000.00 and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Aggregate Industries SWR, Inc. with a bid of \$11,269,990.00.

The project is Federally funded; required 8.90% DBE participation; and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by Las Vegas Paving Corporation have been reviewed and confirmed by Contract Services. The DBE information submitted by the Las Vegas Paving Corporation has been reviewed and certified by the External Civil Rights office. Las Vegas Paving Corporation has met the required DBE participation with a 8.94% commitment. The bid is below the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair(s) have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain Transportation Board approval of the award at the March 2021 meeting.

Concurrence in award:

DocuSigned by:

E0C1947A442E435
Jeff Lerud, Acting Deputy Director

DocuSigned by:

59F62CD438AD46A...
Darin Tedford, Deputy Director

DocuSigned by:

C4B612FC2C1E4FB
Kristina Swallow, P.E., Director

- Enclosures:
- Unofficial Bid Results Report
- DBE Sub Approval
- BRAT Report



Nevada Department of Transportation
Unofficial Bid Results
 January 07, 2021

Contract Number: 3828-READV	Bid Opening Date and Time: 1/7/2021 1:30 PM
Designer:	Liquidated Damages: \$4,600.00
Senior Designer: Christopher Deal	Working Days: 90
Estimate Range: R30 \$11,500,000.01 to \$13,500,000	District: DISTRICT 1
Project Number: NHP-015-1(160)	

County: Clark
Location: I-15, Clark County, rehab pavement NB & SB, MP CL 0.00 to MP CL 16.35; SR 161 at Jean Interchange, MP CL 6.90 to MP CL 7.34; Install new WIM System, MP CL 8.00
Description: 2 in. coldmill w/ 3 in. plantmix bituminous surface with 3/4 in. open graded surface (SB lanes only); 1 in. coldmill w/ 1 in. open graded surface (NB lanes only)

	Actual Bid
Apparent Low Bidder: Las Vegas Paving Corporation	\$10,765,000.00
Apparent 2nd: Aggregate Industries SWR, Inc.	\$11,269,990.00

Bidders:	Actual Bid Amount
1 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	\$10,765,000.00
2 Aggregate Industries SWR, Inc. 4675 West Teco Ave #140 Las Vegas, NV 89118 (702) 649-6250	\$11,269,990.00




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

MEMORANDUM
Contract Compliance

February 12, 2021

To: Doug Benamati, Deputy Chief – Administrative services

From: Paulita De La Cruz, DBE Specialist 
9A647C8047694B9...

Subject: NDOT Bidder DBE Information – Contract no. 3828-READV; I-15, Clark County, Rehab pavement NB & SB, MP CL 0.00 to MP CL 16.35; SR-161 at Jean Interchange, MP CL 6.90 to MP CL 7.34; Install new WIM system, MP CL 8.00

Apparent low bid: \$10,765,000.00

The DBE information for Fencing Specialists, Inc., ProTech Coatings, Benson Construction and Trucking, Inc., and C and S Company Inc. submitted by the apparent low bidder, Las Vegas Paving Corporation, has been received by the DBE Program Office and we have concluded:

Fencing Specialists, Inc., ProTech Coatings, Benson Construction and Trucking, Inc., and C and S Company Inc. hold active State of Nevada business licenses and are Nevada certified DBE firms. Additionally, Fencing Specialists, Inc., ProTech Coatings, and C and S Company Inc. hold active Nevada State Contractors Board licenses. All DBE firms are clear of State disqualification and Federal exclusion.

The DBE goal of 8.90% has been met with an 8.94% DBE committed participation by the apparent low bidder, Las Vegas Paving Corporation.

All DBE firms are approved for this contract.

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



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

MEMORANDUM
Administrative Services

January 27, 2021

To: Doug Benamati, ASO - Administrative Services
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract # 3828-READV

The Bid Review and Analysis Team (BRAT) met on December 29, 2020 to discuss bids for the above referenced contract. The following were in attendance via conference call:

- Scott Hein, Chief Design Engineer
- Sharon Foerschler, Chief Constructability Engineer
- Ambere Angel, Professional Engineer
- Doug Benamati, Admin Services Officer
- Ryan Bennett, Associate Engineer
- Mark Caffaratti, Professional Engineer
- Jon Couste, Professional Engineer
- Brian Deal, Professional Engineer
- Christopher Deal, Associate Engineer
- Kimberly Diegle, Professional Engineer
- Samantha Dowd, Professional Engineer
- David Fox, Professional Engineer
- Jamie Fuller-Dunn, Associate Engineer
- Curtis Hartzell, Associate Engineer
- Ashton Hunter, Associate Engineer
- Jeffrey Lerud, Associate Engineer
- Samuel Lompa, Professional Engineer
- Kevin Maxwell, Professional Engineer
- Shawn Paterson, Professional Engineer
- Allisa Root, Associate Engineer
- Mohamed Rouas, Professional Engineer
- Tyler Saunders, Program Officer
- Michael West, Associate Engineer

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

The apparent low bidder, Las Vegas Paving Corporation, LLC., submitted a bid which is 84.81% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

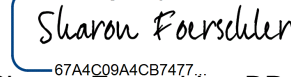
DocuSigned by:


E7F2D4506AC6488...

Scott Hein, BRAT Co-Chair

cc: Attendees;
Dennis Gallagher, Legal
Design Admin

DocuSigned by:


67A4C09A4CB7477...

Sharon Foerschler, BRAT Co-Chair

Bid Tabulation

January 8, 2021

Contract No.: 3828-READV
Description: 2 IN. COLDMILL W/ 3 IN. PLANTMIX BITUMINOUS SURFACE WITH 3/4 IN. OPEN GRADED SURFACE (SB LANES ONLY); 1 IN. COLDMILL W/ 1 IN. OPEN
Location: I 15, CLARK COUNTY, REHAB PAVEMENT NB & SB, MP CL 0.00 TO MP CL 16.35; SR 161 AT JEAN INTERCHANGE, MP CL 6.90 TO MP CL 7.34; INSTALL NEW
Bid Opening: January 7, 2021

Project No.: NHP-015-1(160)
Project Id: 60947
County: Clark
Range: R31 \$13,500,000.01 to \$16,500,000
Working Days: 110

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Aggregate Industries SWR, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1100050	500.000	HOUR	TRAINING	\$0.80	\$400.00	\$0.80	\$400.00	\$0.80	\$400.00
2000100	20.000	HOUR	SURVEY CREW	\$250.00	\$5,000.00	\$260.00	\$5,200.00	\$383.00	\$7,660.00
2020160	246.000	LINFT	REMOVAL OF EXPANSION JOINTS	\$50.00	\$12,300.00	\$61.00	\$15,006.00	\$12.55	\$3,087.30
2020895	20.000	EACH	REMOVE LIGHTING FIXTURES	\$240.00	\$4,800.00	\$225.00	\$4,500.00	\$225.00	\$4,500.00
2020965	809.000	SQYD	REMOVAL OF BITUMINOUS SURFACE	\$14.50	\$11,730.50	\$17.00	\$13,753.00	\$9.95	\$8,049.55
2020990	604,984.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$3.00	\$1,814,952.00	\$1.25	\$756,230.00	\$1.50	\$907,476.00
2020995	18,149.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (MISCELLANEOUS COLD MILLING)	\$3.00	\$54,447.00	\$1.25	\$22,686.25	\$0.50	\$9,074.50
2030140	904.000	CUYD	ROADWAY EXCAVATION	\$65.00	\$58,760.00	\$33.00	\$29,832.00	\$14.30	\$12,927.20
2030360	3,684.160	SQYD	BASE PREPARATION	\$5.00	\$18,420.80	\$1.50	\$5,526.24	\$1.75	\$6,447.28
2060110	469.000	CUYD	STRUCTURE EXCAVATION	\$46.00	\$21,574.00	\$27.00	\$12,663.00	\$9.90	\$4,643.10
3020130	1,634.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$40.00	\$65,360.00	\$46.00	\$75,164.00	\$23.00	\$37,582.00
4020100	1,560.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$112.00	\$174,720.00	\$25.00	\$39,000.00	\$12.00	\$18,720.00
4020190	71,981.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$75.00	\$5,398,575.00	\$79.00	\$5,686,499.00	\$78.25	\$5,632,513.25
4030100	32.860	MILE	MILLED RUMBLE STRIPS	\$620.00	\$20,373.20	\$805.00	\$26,452.30	\$825.00	\$27,109.50
4030120	24,333.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$100.00	\$2,433,300.00	\$96.00	\$2,335,968.00	\$99.15	\$2,412,616.95
4060120	3,684.160	SQYD	PRIME COAT	\$1.50	\$5,526.24	\$1.00	\$3,684.16	\$0.36	\$1,326.30
4070190	0.377	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$1,350.00	\$508.95	\$3,000.00	\$1,131.00	\$2,029.00	\$764.93
5020390	1.000	FA	REPAIR CONCRETE STRUCTURE	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00
5020630	1.000	FA	CRACK SEALING	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
5020730	7.800	CUYD	CLASS A CONCRETE (ISLAND PAVING)	\$550.00	\$4,290.00	\$535.00	\$4,173.00	\$356.00	\$2,776.80
5022000	246.000	LINFT	PREFORMED JOINT FILLER, (2-INCH)	\$108.00	\$26,568.00	\$143.00	\$35,178.00	\$16.70	\$4,108.20
6090600	6.000	EACH	ADJUSTING VALVE COVERS (METHOD B)	\$1,000.00	\$6,000.00	\$1,750.00	\$10,500.00	\$1,208.00	\$7,248.00
6090610	1.000	EACH	ADJUSTING VALVE COVERS (METHOD C)	\$750.00	\$750.00	\$1,700.00	\$1,700.00	\$1,208.00	\$1,208.00
6100170	184.000	CUYD	RIPRAP (CLASS 150)	\$125.00	\$23,000.00	\$110.00	\$20,240.00	\$120.00	\$22,080.00
6130350	161.000	LINFT	CLASS A CONCRETE GLUE DOWN CURB (TYPE A)	\$42.00	\$6,762.00	\$24.00	\$3,864.00	\$22.00	\$3,542.00
6130370	95.000	LINFT	CLASS A CONCRETE GLUE DOWN CURB (TYPE B)	\$50.25	\$4,773.75	\$31.00	\$2,945.00	\$24.00	\$2,280.00
6161082	1.000	FA	REPAIR TORTOISE FENCE	\$22,896.00	\$22,896.00	\$22,896.00	\$22,896.00	\$22,896.00	\$22,896.00
6180250	10,297.000	LINFT	REMOVE AND RESET GUARDRAIL	\$5.50	\$56,633.50	\$5.00	\$51,485.00	\$4.80	\$49,425.60
6180600	152.000	LINFT	RECONSTRUCT GUARDRAIL	\$160.00	\$24,320.00	\$54.00	\$8,208.00	\$53.50	\$8,132.00
6190210	555.000	EACH	GUIDE POSTS (FLEXIBLE)	\$50.00	\$27,750.00	\$50.00	\$27,750.00	\$41.20	\$22,866.00
6190260	1.000	EACH	OBJECT MARKERS, TYPE 2	\$130.00	\$130.00	\$95.00	\$95.00	\$160.50	\$160.50
6190280	84.000	EACH	OBJECT MARKERS, TYPE 3	\$95.00	\$7,980.00	\$150.00	\$12,600.00	\$160.50	\$13,482.00
6230225	5.000	EACH	NO. 3-1/2 PULL BOX	\$1,250.00	\$6,250.00	\$1,250.00	\$6,250.00	\$1,245.30	\$6,226.50
6230232	6.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,250.00	\$7,500.00	\$1,475.00	\$8,850.00	\$1,468.80	\$8,812.80
6230267	3.000	EACH	LUMINAIRE, TYPE A	\$850.00	\$2,550.00	\$1,300.00	\$3,900.00	\$1,277.00	\$3,831.00
6230268	19.000	EACH	LUMINAIRE, TYPE B	\$1,100.00	\$20,900.00	\$1,325.00	\$25,175.00	\$1,319.80	\$25,076.20
6230575	5.000	EACH	STEEL POLE, TYPE 7 (WITH SAFETY BASE)	\$7,200.00	\$36,000.00	\$8,900.00	\$44,500.00	\$8,834.15	\$44,170.75
6230715	12.000	EACH	MODIFY TRAFFIC SIGNAL HEAD	\$400.00	\$4,800.00	\$440.00	\$5,280.00	\$436.40	\$5,236.80
6230770	2.000	EACH	PEDESTRIAN PUSH BUTTON WITH SIGN	\$2,300.00	\$4,600.00	\$3,500.00	\$7,000.00	\$3,470.00	\$6,940.00
6230775	22.000	EACH	LOOP DETECTOR	\$940.00	\$20,680.00	\$1,850.00	\$40,700.00	\$1,841.00	\$40,502.00
6231395	2.000	EACH	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	\$390.00	\$780.00	\$535.00	\$1,070.00	\$532.20	\$1,064.40
6231795	72.000	LINFT	1 1/2-INCH CONDUIT	\$16.00	\$1,152.00	\$115.00	\$8,280.00	\$112.80	\$8,121.60
6231820	1,055.000	LINFT	3-INCH CONDUIT	\$22.00	\$23,210.00	\$28.00	\$29,540.00	\$27.65	\$29,170.75
6231830	60.000	LINFT	4-INCH CONDUIT	\$30.00	\$1,800.00	\$107.00	\$6,420.00	\$106.45	\$6,387.00
6231970	3,120.000	LINFT	NO. 4 CONDUCTOR	\$2.00	\$6,240.00	\$2.00	\$6,240.00	\$2.13	\$6,645.60
6231985	1,334.000	LINFT	NO. 10 CONDUCTOR	\$1.05	\$1,400.70	\$2.00	\$2,668.00	\$2.13	\$2,841.42
6233005	1.000	LS	WEIGH-IN-MOTION SYSTEM (6-LANE CONFIGURATION)	\$473,000.00	\$473,000.00	\$385,000.00	\$385,000.00	\$383,200.00	\$383,200.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$63,000.00	\$63,000.00	\$63,000.00	\$63,000.00	\$63,000.00	\$63,000.00
6240140	100.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$700.00	\$70,000.00	\$820.00	\$82,000.00	\$1,830.00	\$183,000.00
6240190	30.000	HOUR	RENT EQUIPMENT (MOTOR GRADER)	\$195.00	\$5,850.00	\$195.00	\$5,850.00	\$167.50	\$5,025.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$234,767.00	\$234,767.00	\$111,000.00	\$111,000.00	\$186,880.00	\$186,880.00
6270190	2,329.000	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$80.00	\$186,320.00	\$60.00	\$139,740.00	\$78.60	\$183,059.40
6270200	88.000	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (SPECIAL METAL SUPPORTS)	\$120.00	\$10,560.00	\$60.00	\$5,280.00	\$78.60	\$6,916.80

Bid Tabulation

January 8, 2021

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Aggregate Industries SWR, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6270210	75.000	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (TIMBER SUPPORTS)	\$80.00	\$6,000.00	\$60.00	\$4,500.00	\$78.60	\$5,895.00
6270220	29.000	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$55.00	\$1,595.00	\$37.00	\$1,073.00	\$78.60	\$2,279.40
6270240	1,997.000	SQFT	PERMANENT SIGNS, REMOVE	\$6.00	\$11,982.00	\$11.00	\$21,967.00	\$6.25	\$12,481.25
6270250	62.000	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$10.00	\$620.00	\$7.50	\$465.00	\$6.25	\$387.50
6280120	1.000	LS	MOBILIZATION	\$718,073.83	\$718,073.83	\$141,573.55	\$141,573.55	\$405,848.27	\$405,848.27
6321180	0.270	MILE	POLYUREA PAVEMENT STRIPING (6-INCH SOLID WHITE)	\$6,200.00	\$1,674.00	\$4,300.00	\$1,161.00	\$4,280.00	\$1,155.60
6321200	17.550	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$5,800.00	\$101,790.00	\$5,900.00	\$103,545.00	\$5,880.00	\$103,194.00
6321210	2,348.000	LINFT	POLYUREA PAVEMENT STRIPING (12-INCH SOLID WHITE)	\$2.00	\$4,696.00	\$2.00	\$4,696.00	\$1.90	\$4,461.20
6321225	22.000	LINFT	POLYUREA PAVEMENT STRIPING (24-INCH SOLID WHITE)	\$800.00	\$17,600.00	\$11.00	\$242.00	\$10.70	\$235.40
6321270	17.300	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$4,800.00	\$83,040.00	\$5,900.00	\$102,070.00	\$5,885.00	\$101,810.50
6330100	14,736.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$2.50	\$36,840.00	\$2.50	\$36,840.00	\$2.50	\$36,840.00
6330110	5,677.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$2.50	\$14,192.50	\$2.50	\$14,192.50	\$2.50	\$14,192.50
6341060	840.000	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$10.00	\$8,400.00	\$10.00	\$8,400.00	\$9.08	\$7,627.20
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$67,657.00	\$67,657.00	\$28,000.00	\$28,000.00	\$46,000.00	\$46,000.00
6460110	369.000	SQYD	BRIDGE DECK PREPARATION	\$200.00	\$73,800.00	\$67.00	\$24,723.00	\$44.80	\$16,531.20
6460150	34.000	GAL	CRACK SEALANT	\$300.00	\$10,200.00	\$220.00	\$7,480.00	\$260.00	\$8,840.00
Totals:					\$12,693,120.97		\$10,765,000.00		\$11,269,990.00

Price Sensitivity January 8, 2021

Contract No.: 3828-READV
Project No.: NHP-015-1(160)
Project Id: 60947
County: Clark
Range: R31 \$13,500,000.01 to \$16,500,000
Working Days: 100

RE: Mohamed Rouas
Designer: Christopher Deal

Engineer's Estimate	Las Vegas Paving Corporation	Aggregate Industries SWR,	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$12,693,120.97	\$10,765,000.00	\$11,269,990.00	\$504,990.00	-\$1,928,120.97	84.81%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2020990	604984.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$3.00	\$1.25	\$1.50	-2,019,960.00	-334%	42%	Yes	EE High; \$1.75 -\$2.00; QTY OK
2020995	18149.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (MISCELLANEOUS COLD	\$3.00	\$1.25	\$0.50	673,320.00	3710%	42%	Yes	EE High; \$1.50; QTY OK
2030140	904.000	CUYD	ROADWAY EXCAVATION	\$65.00	\$33.00	\$14.30	27,004.81	2987%	51%	Yes	EE High; \$50; QTY OK
3020130	1634.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$40.00	\$46.00	\$23.00	21,956.09	1344%	115%	No	EE OK; QTY error missing some sign island qty should be 4131 Ton. Original Estimate did not covert to tons.
4020100	1560.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$112.00	\$25.00	\$12.00	38,845.38	2490%	22%	Yes	EE Very High; \$18 Price Checker error.; QTY OK
4020190	71981.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$75.00	\$79.00	\$78.25	673,320.00	935%	105%	No	EE OK; QTY OK
4030120	24333.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$100.00	\$96.00	\$99.15	-160,314.29	-659%	96%	No	EE OK; QTY OK
6180250	10297.000	LINFT	REMOVE AND RESET GUARDRAIL	\$5.50	\$5.00	\$4.80	2,524,950.00	24521%	91%	No	EE OK; QTY OK
6233005	1.000	LS	WEIGH-IN-MOTION SYSTEM (6-LANE CONFIGURATION)	\$473,000.00	\$385,000.00	\$383,200.00	280.55	28055%	81%	No	EE OK; QTY OK
6240140	100.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$700.00	\$820.00	\$1,830.00	-499.99	-500%	117%	No	EE OK; QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$234,767.00	\$111,000.00	\$186,880.00	N/A	N/A	47%	Yes	EE OK; QTY OK
6270190	2329.000	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$80.00	\$60.00	\$78.60	-27,150.00	-1166%	75%	No	EE OK; QTY OK
6280120	1.000	LS	MOBILIZATION	\$718,073.83	\$141,573.55	\$405,848.27	N/A	N/A	20%	Yes	Fixed Percentage 6%
6321200	17.550	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$5,800.00	\$5,900.00	\$5,880.00	25,249.50	143872%	102%	No	EE OK; QTY OK
6321270	17.300	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$4,800.00	\$5,900.00	\$5,885.00	33,666.00	194601%	123%	No	EE OK; QTY OK
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$67,657.00	\$28,000.00	\$46,000.00	N/A	N/A	41%	Yes	EE OK; QTY OK
6460110	369.000	SQYD	BRIDGE DECK PREPARATION	\$200.00	\$67.00	\$44.80	22,747.30	6165%	34%	Yes	EE Very High; \$25-\$30; QTY OK

Additional Comments: Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities. There were three quantity errors found; bid item 2020895 Removal of Lighting Fixtures, quantity should be changed from 20 Each to 17 Each; bid item 2030360 Base Preparation, the quantity should be changed from 3684.16 SQYD to 4090 SQYD and bid item 3020130 Type 1 Class B Aggregate Base, the quantity should be changed from 1634 Tons to 4131 Tons. It was noted that the change in the aggregate base quantity does not change the status of the lowest bidder. There were two bid items that were very high on the engineer's estimate. Bid item 4020100 Plantmixing Miscellaneous Areas; bid price was in error and should have been \$18 and not \$112 and bid item 6460110 Bridge Deck Preparation; the bid price is very high and should have been in the range of \$25 to \$30. The BRAT also found some sensitive bid prices as noted above, but remains confident in the plan quantities and prices. The BRAT believes that the the low bid will result in the lowest price to the taxpayers. Recommend to Award.

Purpose and Need of Project: This project improves 16 miles of southbound lanes on Interstate 15 between the California/Nevada state border and just north of the Jean Interchange. Improvements include repair at the Jean Interchange ramps, adjacent frontage roads and a new weigh-in-motion sytem. The work includes mill and overlay of the roadway, bridge maintenance and upgrades, as well as drainage, signs, repairs tortoise fencing and ITS improvements. Enhanced rideability and signage will increase safety and driver comfort. Bridge and drainage improvements will also reduce maintenance efforts through the corridor.

DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Business Entity Type (Please select one)

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

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

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

1100

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

Las Vegas Paving Corp.

5. Corporate/Business Entity Street Address:

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

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

Street Address:	Website:
City, State and Zip Code:	Point of Contact Name:
Local Telephone and Fax No. 7022515800	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)
Mendenhall Family Trust	Trust	100
Paula Mendenhall	Trustee	100

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

DISCLOSURE OF RELATIONSHIP FORM

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

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

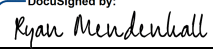
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes No

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

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
None	None	None	None

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

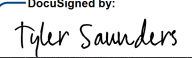
DocuSigned by:

 Ryan Mendenhall
 Signature Print Name
 Director 02/16/2021
 Title Date

For NDOT Use Only:

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

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

Notes/Comments:

DocuSigned by:

 Tyler Saunders
 Signature
 Tyler Saunders
 Print Name
 Authorized NDOT Representative

Line Item 2



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

MEMORANDUM
Administrative Services

January 27, 2021

To: Kristina Swallow, P.E., Director
 Jeff Lerud, Acting Deputy Director of Operations and Maintenance
 Darin Tedford, Deputy Director, Project Delivery

From: Tyler Saunders, Contract Services Manager – Administrative Services DS
TS

Subject: Concurrence in Award for Contract No. 3857, Project No. SPI-080-3(037), on I-80, from 0.936 miles east of the Pumpernickel Valley Interchange to 1.788 miles east of the Valmy Interchange, in Humboldt County, described as cold mill and place plantmix bituminous surface with open grade. The Engineer’s Estimate is \$17,812,032.69.

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

Bid proposals were opened on January 14, 2021. Road and Highway Builders LLC is the apparent low bidder at \$16,616,616.00. and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Q & D Construction LLC with a bid of \$17,700,000.00.

The project is State funded; required 6.82% SBE participation; and Bidder’s Preference was applied and did affect the successful contractor’s ranking.

The subcontractor and supplier listings submitted by the Road and Highway Builders LLC have been reviewed and confirmed by Contract Services. The SBE information submitted by the Road and Highway Builders LLC has been reviewed and certified by the External Civil Rights office. Road and Highway Builders LLC has met the required SBE participation with a 6.89% commitment. The bid is within the Engineer’s Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair(s) has/have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain approval of the award at the March 2021 Transportation Board meeting.


Concurrence in award:

DocuSigned by:

 E9C1847A442E435...
 Jeff Lerud, Acting Deputy Director

DocuSigned by:

 59F62CD438AD46A...
 Darin Tedford, Deputy Director

DocuSigned by:

 C4B612FC261E4FB...
 Kristina Swallow, P.E., Director

Attachments:
Unofficial Bid Results Report
SBE Sub Approval
BRAT Report

Nevada Department of Transportation

Unofficial Bid Results

January 14, 2021

Contract Number: 3857	Bid Opening Date and Time: 1/14/2021 1:30 PM
Designer:	Liquidated Damages: \$6,500.00
Senior Designer:	Working Days: 200
Estimate Range: R32 \$16,500,000.01 to \$20,000,000	District: District 3
Project Number: SPI-080-3(037)	

County: Humboldt
Location: I-80, from 0.936 miles east of the Pumpnickel Valley Interchange to 1.788 miles east of the Valmy Interchange
Description: Cold mill and place plantmix bituminous surface with open grade

	Actual Bid	Adjusted Bid
Apparent Low Bidder: <u>Road and Highway Builders LLC</u>	\$16,616,616.00	\$16,616,616.00
Apparent 2nd: <u>Q & D Construction LLC</u>	\$17,700,000.00	\$17,700,000.00
Apparent 3rd: <u>Sierra Nevada Construction, Inc.</u>	\$20,411,007.00	\$20,411,007.00

Bidders:	Certificate of Eligibility	Actual Bid Amount	Adjusted Bid Amount
1 Road and Highway Builders LLC 175 Salomon Circle Ste #103 Sparks, NV 89434 (775) 852-7283	<input checked="" type="checkbox"/>	\$16,616,616.00	\$16,616,616.00
2 Q & D Construction LLC 1050 South 21st Street Sparks, NV 89431 (775) 786-2677	<input checked="" type="checkbox"/>	\$17,700,000.00	\$17,700,000.00
3 Sierra Nevada Construction, Inc. PO Box 50760 Sparks, NV 89435 (775) 355-0420	<input checked="" type="checkbox"/>	\$20,411,007.00	\$20,411,007.00
4 W.W. Clyde & Co. PO Box 1898 Orem, UT 84059 (801) 802-6800	<input type="checkbox"/>	\$19,527,274.64	\$20,503,638.37

Nevada Department of Transportation
Unofficial Bid Results
January 14, 2021

Bidders:	Certificate of Eligibility	Actual Bid Amount	Adjusted Bid Amount
5 Granite Construction Company 585 West Beach Street Watsonville, CA 95076 (831) 724-1011	<input checked="" type="checkbox"/>	\$20,769,769.00	\$20,769,769.00

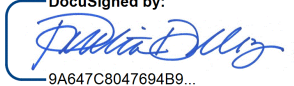


1263 South Stewart Street
Carson City, Nevada 89712
Phone: (775) 888-7497
Fax: (775) 888-7235

MEMORANDUM
Contract Compliance

January 21, 2021

To: Doug Benamati, Deputy Chief – Administrative Services

From: Paulita De La Cruz, DBE Specialist 
9A647C8047694B9...

Subject: NDOT Bidder SBE Information – Contract no. 3857, I-80, from 0.936 miles east of the Pumpnickel Valley Interchange to 1.788 miles east of the Valmy Interchange, in Humboldt County; Cold mill and place plantmix bituminous surface with open grade.

Apparent low bid: \$16,616,616.00

The SBE information for Titan Electrical Contracting, Inc. and Ramon and Teresa Herrera DBA H&R Trucking as submitted by the apparent low bidder, Road and Highway Builders, LLC, has been received by DBE Program Office and we have concluded:

Titan Electrical Contracting, Inc. and Ramon and Teresa Herrera DBA H&R Trucking hold active State of Nevada business licenses and are Nevada certified SBE firms. Additionally, Titan Electrical Contracting, Inc. holds an active Nevada State Contractors Board license. Both firms are clear of State disqualification and Federal exclusion.

The SBE goal of 6.82% has been met with a 6.89% SBE committed participation by the apparent low bidder, Road and Highway Builders, LLC.

The SBE firms are approved for this contract.

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



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

MEMORANDUM
Administrative Services

January 26, 2021

To: Doug Benamati, Deputy Chief - Administrative Services
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract #3857

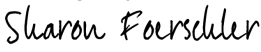
The Bid Review and Analysis Team (BRAT) met on January 26, 2021, to discuss bids for the above referenced contract. The following were in attendance:


- | | |
|-----------------------------------------------------|----------------------------------------------|
| Scott Hein, Chief Design Engineer | Travis Hilbish, Associate Engineer |
| Sharon Foerschler, Chief Construction Engineer | Jacob Kelgard, Associate Engineer |
| Doug Benamati, Deputy Chief Administrative Services | Stephen Lani, Professional Engineer |
| Ambere Angel, Professional Engineer | Samuel Lompa, Professional Engineer |
| Ryan Bennet, Associate Engineer | Eric McGill, Associate Engineer |
| Samantha Dowd, Professional Engineer | Kevin Maxwell, Professional Engineer |
| Tyler Saunders, Contract Services Manager | Maria Nanette Maxwell, Professional Engineer |
| Mark Caffaratti, Professional Engineer | Thomas Preston, Associate Engineer |
| Brian Deal, Professional Engineer | Phillip Slagel, Professional Engineer |
| Kimberly Diegle, Professional Engineer | Melanie Stevens, Associate Engineer |
| Michael West, Associate Engineer | Martin Strganac, Professional Engineer |
| Shawn Paterson, Professional Engineer | Jasen Stoffer, Program Officer |
| Sean Cross, Professional Engineer | |

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

The apparent lowest responsive bidder, Road and Highway Builders LLC, submitted a bid which is 93% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

67A4C09A4CB7477...
Sharon Foerschler, BRAT Co-Chair

DocuSigned by:

E7F2D4506AC6488...
Scott Hein, BRAT Co-Chair

cc: Attendees
Dennis Gallagher, Legal
Design Admin

**Bid Tabulation
January 15, 2021**

Item No.	Quantity	Unit	Description	Engineer's Estimate		Road and Highway Builders		Q & D Construction		Sierra Nevada Construction		W.W. Clyde & Co		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6180250	20,360.000	LINFT	REMOVE AND RESET GUARDRAIL	\$5.00	\$101,800.00	\$2.40	\$48,864.00	\$5.40	\$109,944.00	\$3.90	\$79,404.00	\$5.67	\$115,441.20	\$5.15	\$104,854.00
6180350	6.000	EACH	GUARDRAIL TERMINAL (FLARED)	\$4,000.00	\$24,000.00	\$3,000.00	\$18,000.00	\$4,100.00	\$24,600.00	\$4,000.00	\$24,000.00	\$4,222.81	\$25,336.86	\$3,800.00	\$22,800.00
6180550	25.000	LINFT	GALVANIZED GUARDRAIL (TRIPLE CORRUGATION)	\$75.00	\$1,875.00	\$70.00	\$1,750.00	\$47.75	\$1,193.75	\$56.00	\$1,400.00	\$50.01	\$1,250.25	\$45.00	\$1,125.00
6190200	760.000	EACH	GUIDE POSTS (RIGID)	\$50.00	\$38,000.00	\$40.00	\$30,400.00	\$45.00	\$34,200.00	\$42.00	\$31,920.00	\$52.66	\$40,021.60	\$43.00	\$32,680.00
6190270	36.000	EACH	OBJECT MARKERS, TYPE 2 (MODIFIED)	\$125.00	\$4,500.00	\$150.00	\$5,400.00	\$155.00	\$5,580.00	\$150.00	\$5,400.00	\$172.12	\$6,196.32	\$150.00	\$5,400.00
6190280	8.000	EACH	OBJECT MARKERS, TYPE 3	\$150.00	\$1,200.00	\$150.00	\$1,200.00	\$155.00	\$1,240.00	\$150.00	\$1,200.00	\$172.12	\$1,376.96	\$150.00	\$1,200.00
6230225	16.000	EACH	NO. 3-1/2 PULL BOX	\$900.00	\$14,400.00	\$600.00	\$9,600.00	\$650.00	\$10,400.00	\$605.00	\$9,680.00	\$667.87	\$10,685.92	\$600.00	\$9,600.00
6230232	17.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,400.00	\$23,800.00	\$800.00	\$13,600.00	\$1,040.00	\$17,680.00	\$960.00	\$16,320.00	\$1,061.26	\$18,041.42	\$960.00	\$16,320.00
6230236	1.000	EACH	NO. 7 PULL BOX, MODIFIED	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00	\$1,600.00	\$1,600.00	\$1,480.00	\$1,480.00	\$1,636.89	\$1,636.89	\$1,400.00	\$1,400.00
6230268	16.000	EACH	LUMINAIRE, TYPE B	\$800.00	\$12,800.00	\$1,200.00	\$19,200.00	\$500.00	\$8,000.00	\$450.00	\$7,200.00	\$498.96	\$7,983.36	\$450.00	\$7,200.00
6230575	16.000	EACH	STEEL POLE, TYPE 7 (WITH SAFETY BASE)	\$7,000.00	\$112,000.00	\$7,000.00	\$112,000.00	\$7,100.00	\$113,600.00	\$6,600.00	\$105,600.00	\$7,251.00	\$116,016.00	\$6,500.00	\$104,000.00
6230775	24.000	EACH	LOOP DETECTOR	\$600.00	\$14,400.00	\$600.00	\$14,400.00	\$750.00	\$18,000.00	\$675.00	\$16,200.00	\$746.77	\$17,922.48	\$670.00	\$16,080.00
6231620	1.000	EACH	UNDERGROUND ELECTRICAL SERVICE	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$7,525.00	\$7,525.00	\$7,000.00	\$7,000.00	\$7,673.29	\$7,673.29	\$6,900.00	\$6,900.00
6231795	229.000	LINFT	1 1/2-INCH CONDUIT	\$20.00	\$4,580.00	\$20.00	\$4,580.00	\$31.50	\$7,213.50	\$29.10	\$6,663.90	\$32.23	\$7,380.67	\$29.00	\$6,641.00
6231820	7,632.000	LINFT	3-INCH CONDUIT	\$30.00	\$228,960.00	\$20.00	\$152,640.00	\$29.30	\$223,617.60	\$27.10	\$206,827.20	\$30.00	\$228,960.00	\$27.00	\$206,064.00
6231825	33.000	LINFT	3-INCH CONDUIT(METAL)	\$75.00	\$2,475.00	\$60.00	\$1,980.00	\$132.00	\$4,356.00	\$121.00	\$3,993.00	\$134.46	\$4,437.18	\$122.00	\$4,026.00
6231975	35,311.000	LINFT	NO. 6 CONDUCTOR	\$1.50	\$52,966.50	\$1.00	\$35,311.00	\$1.50	\$52,966.50	\$1.40	\$49,435.40	\$1.56	\$55,085.16	\$1.40	\$49,435.40
6231985	2,376.000	LINFT	NO. 10 CONDUCTOR	\$1.00	\$2,376.00	\$1.50	\$3,564.00	\$1.40	\$3,326.40	\$1.30	\$3,088.80	\$1.44	\$3,421.44	\$1.30	\$3,088.80
6233000	1.000	LS	WEIGH-IN-MOTION SYSTEM (4-LANE CONFIGURATION)	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$250,000.00	\$250,000.00	\$225,000.00	\$225,000.00	\$252,659.40	\$252,659.40	\$229,000.00	\$229,000.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00
6240140	200.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$800.00	\$160,000.00	\$800.00	\$160,000.00	\$1,100.00	\$220,000.00	\$750.00	\$150,000.00	\$1,959.66	\$391,932.00	\$1,500.00	\$300,000.00
6240190	60.000	HOURLY	RENT EQUIPMENT (MOTOR GRADER)	\$180.00	\$10,800.00	\$140.00	\$8,400.00	\$235.00	\$14,100.00	\$160.00	\$9,600.00	\$251.34	\$15,080.40	\$180.00	\$10,800.00
6240280	20.000	HOURLY	RENT EQUIPMENT (DUMP TRUCK)	\$150.00	\$3,000.00	\$110.00	\$2,200.00	\$110.00	\$2,200.00	\$125.00	\$2,500.00	\$176.97	\$3,539.40	\$140.00	\$2,800.00
6240420	80.000	HOURLY	RENT EQUIPMENT (BACKHOE)	\$160.00	\$12,800.00	\$120.00	\$9,600.00	\$135.00	\$10,800.00	\$125.00	\$10,000.00	\$213.82	\$17,105.60	\$145.00	\$11,600.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$270,000.00	\$270,000.00	\$650,000.00	\$650,000.00	\$200,000.00	\$200,000.00	\$199,316.15	\$199,316.15	\$319,846.03	\$319,846.03	\$500,000.00	\$500,000.00
6270100	1.000	LS	INSTALL STATE FURNISHED SIGNS	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	\$3,200.00	\$3,200.00	\$1,600.00	\$1,600.00	\$3,333.80	\$3,333.80	\$3,000.00	\$3,000.00
6270190	3,050.980	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$75.00	\$228,823.50	\$70.00	\$213,568.60	\$98.00	\$298,996.04	\$80.00	\$244,078.40	\$102.24	\$311,932.20	\$92.00	\$280,690.16
6270220	42.000	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$50.00	\$2,100.00	\$100.00	\$4,200.00	\$40.40	\$1,696.80	\$80.00	\$3,360.00	\$42.23	\$1,773.66	\$38.00	\$1,596.00
6270240	2,783.920	SQFT	PERMANENT SIGNS, REMOVE	\$10.00	\$27,839.20	\$5.00	\$13,919.60	\$5.30	\$14,754.78	\$7.00	\$19,487.44	\$5.56	\$15,478.60	\$5.00	\$13,919.60
6270250	36.000	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$15.00	\$540.00	\$20.00	\$720.00	\$5.30	\$190.80	\$7.00	\$252.00	\$5.56	\$200.16	\$5.00	\$180.00
6280120	1.000	LS	MOBILIZATION	\$1,008,228.27	\$1,008,228.27	\$1,616,265.20	\$1,616,265.20	\$1,727,923.54	\$1,727,923.54	\$1,000,000.00	\$1,000,000.00	\$1,735,120.97	\$1,735,120.97	\$1,958,829.66	\$1,958,829.66
6320890	24.876	MILE	EPOXY PAVEMENT STRIPING (8-INCH BROKEN WHITE)	\$1,500.00	\$37,314.00	\$1,000.00	\$24,876.00	\$1,350.00	\$33,582.60	\$685.00	\$17,040.06	\$1,389.30	\$34,560.23	\$1,200.00	\$29,851.20
6320900	3,452.990	LINFT	EPOXY PAVEMENT STRIPING (SOLID WHITE)	\$1.00	\$3,452.99	\$2.00	\$6,905.98	\$0.50	\$1,726.50	\$0.35	\$1,208.55	\$0.56	\$1,933.67	\$0.50	\$1,726.50
6320940	26.301	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$3,300.00	\$86,793.30	\$2,500.00	\$65,752.50	\$2,850.00	\$74,957.85	\$2,700.00	\$71,012.70	\$3,166.98	\$83,294.74	\$2,800.00	\$73,642.80
6320960	0.933	MILE	EPOXY PAVEMENT STRIPING (12-INCH SOLID WHITE)	\$5,600.00	\$5,224.80	\$5,000.00	\$4,665.00	\$4,000.00	\$3,732.00	\$4,100.00	\$3,825.30	\$4,430.77	\$4,133.91	\$4,000.00	\$3,732.00
6321000	706.540	LINFT	EPOXY PAVEMENT STRIPING (SOLID YELLOW)	\$3.00	\$2,119.62	\$2.00	\$1,413.08	\$0.50	\$353.27	\$0.35	\$247.29	\$0.56	\$395.66	\$0.50	\$353.27
6321030	26.318	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$3,300.00	\$86,849.40	\$2,500.00	\$65,795.00	\$2,850.00	\$75,006.30	\$2,700.00	\$71,058.60	\$3,167.35	\$83,358.32	\$2,800.00	\$73,690.40
6321070	1,291.070	LINFT	EPOXY PAVEMENT STRIPING (DOUBLE SOLID YELLOW)	\$3.00	\$3,873.21	\$2.00	\$2,582.14	\$1.00	\$1,291.07	\$0.70	\$903.75	\$1.11	\$1,433.09	\$1.00	\$1,291.07
6341030	149.000	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$20.00	\$2,980.00	\$20.00	\$2,980.00	\$15.00	\$2,235.00	\$15.75	\$2,346.75	\$16.67	\$2,483.83	\$15.00	\$2,235.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$45,000.00	\$45,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$15,500.00	\$15,500.00	\$11,313.07	\$11,313.07	\$90,000.00	\$90,000.00
6410100	2.000	EACH	IMPACT ATTENUATOR	\$30,000.00	\$60,000.00	\$40,000.00	\$80,000.00	\$28,000.00	\$56,000.00	\$27,000.00	\$54,000.00	\$33,171.26	\$66,342.52	\$33,000.00	\$66,000.00
6460110	1,072.000	SQYD	BRIDGE DECK PREPARATION	\$5.50	\$5,896.00	\$5.00	\$5,360.00	\$2.50	\$2,680.00	\$5.00	\$5,360.00	\$7.59	\$8,136.48	\$8.00	\$8,576.00
6460180	1,072.000	SQYD	LIQUID MEMBRANE	\$55.00	\$58,960.00	\$50.00	\$53,600.00	\$67.00	\$71,824.00	\$85.00	\$91,120.00	\$131.19	\$140,635.68	\$137.00	\$146,864.00
Totals:					\$17,812,032.69		\$16,616,616.00		\$17,700,000.00		\$20,411,007.00		\$19,527,274.64		\$20,769,769.00
Adjusted Bid Amounts:													\$20,503,638.37		

Price Sensitivity

January 15, 2021

Contract No.: 3857
 Project No.: SPI-080-3(037)
 Project Id: 74150
 County: Humboldt
 Range: R32 \$16,500,000.01 to \$20,000,000.00
 Working: 200

RE: Trent Averett

Engineer's Estimate	Road and Highway Builders	Q & D Construction	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$17,812,032.69	\$16,616,616.00	\$17,700,000.00	\$1,083,384.00	-\$1,195,416.69	93%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2010100	1.000	LS	CLEARING AND GRUBBING	\$88,200.00	\$15,000.00	\$100,000.00	N/A	N/A	17%	Yes	EE OK/ QTY OK
2020455	75.000	EACH	RESET END SECTION	\$800.00	\$100.00	\$800.00	-1,547.69	-2064%	13%	Yes	EE OK/ QTY OK
2020585	130403.000	LINFT	REMOVAL OF FENCE	\$1.00	\$0.50	\$1.55	-1,031,794.29	-791%	50%	Yes	EE OK/ QTY OK
2020990	590203.300	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$2.00	\$2.00	\$1.50	2,166,768.00	367%	100%	No	EE OK/ QTY OK
2021287	131345.000	LINFT	GRINDING FOR PAVEMENT MARKINGS	\$0.50	\$0.50	\$0.50	N/A	N/A	100%	No	EE OK/ QTY OK
2030140	1024.000	CUYD	ROADWAY EXCAVATION	\$100.00	\$25.00	\$24.00	1,083,384.00	105799%	25%	Yes	EE OK/ QTY OK
2030230	132071.000	CUYD	BORROW EMBANKMENT	\$10.00	\$8.00	\$12.00	-270,846.00	-205%	80%	No	EE OK/ QTY OK
2110110	28679.200	CUYD	TOPSOIL (SALVAGE)	\$2.00	\$8.00	\$6.00	541,692.00	1889%	400%	Yes	EE Low; \$5.00/ QTY OK
2110150	107.600	ACRE	SEEDING	\$3,000.00	\$4,000.00	\$4,080.00	-13,542.30	-12586%	133%	No	EE OK/ QTY OK
3020140	504.000	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$150.00	\$80.00	\$128.00	-22,570.50	-4478%	53%	Yes	EE OK/ QTY OK
4020190	95673.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$80.00	\$55.00	\$65.00	-108,338.40	-113%	69%	Yes	EE OK/ QTY OK
4030100	49.760	MILE	MILLED RUMBLE STRIPS	\$1,000.00	\$1,200.00	\$785.00	2,610.56	5246%	120%	No	EE OK/ QTY OK
4030110	22393.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$105.00	\$142.00	\$125.00	63,728.47	285%	135%	No	EE OK/ QTY OK
6030290	327.000	LINFT	30-INCH REINFORCED CONCRETE PIPE, CLASS III	\$150.00	\$300.00	\$240.00	18,056.40	5522%	200%	Yes	EE OK/ QTY OK
6100170	320.000	CUYD	RIPRAP (CLASS 150)	\$120.00	\$180.00	\$65.00	9,420.73	2944%	150%	No	EE OK/ QTY OK
6160730	130403.000	LINFT	TYPE A-4B FENCE (SPECIAL)	\$4.00	\$2.40	\$4.75	-461,014.47	-354%	60%	Yes	EE OK/ QTY OK
6180250	20360.000	LINFT	REMOVE AND RESET GUARDRAIL	\$5.00	\$2.40	\$5.40	-361,128.00	-1774%	48%	Yes	EE OK/ QTY OK
6230575	16.000	EACH	STEEL POLE, TYPE 7 (WITH SAFETY BASE)	\$7,000.00	\$7,000.00	\$7,100.00	-10,833.84	-67712%	100%	No	EE OK/ QTY OK
6231820	7632.000	LINFT	3-INCH CONDUIT	\$30.00	\$20.00	\$29.30	-116,492.90	-1526%	67%	Yes	EE OK/ QTY OK
6231975	35311.000	LINFT	NO. 6 CONDUCTOR	\$1.50	\$1.00	\$1.50	-2,166,768.00	-6136%	67%	Yes	EE OK/ QTY OK
6233000	1.000	LS	WEIGH-IN-MOTION SYSTEM (4-LANE CONFIGURATION)	\$300,000.00	\$300,000.00	\$250,000.00	N/A	N/A	100%	No	EE OK/ QTY OK
6240140	200.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$800.00	\$800.00	\$1,100.00	-3,611.28	-1806%	100%	No	EE OK/ QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$270,000.00	\$650,000.00	\$200,000.00	N/A	N/A	241%	Yes	EE OK/ QTY OK
6270190	3050.980	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$75.00	\$70.00	\$98.00	-38,692.29	-1268%	93%	No	EE OK/ QTY OK
6280120	1.000	LS	MOBILIZATION	\$1,008,228.27	\$1,616,265.20	\$1,727,923.54	N/A	N/A	160%	Yes	Fixed Percentage 6%
6320940	26.301	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$3,300.00	\$2,500.00	\$2,850.00	-3,095.38	-11769%	76%	No	EE OK/ QTY OK
6321030	26.318	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$3,300.00	\$2,500.00	\$2,850.00	-3,095.38	-11761%	76%	No	EE OK/ QTY OK
6410100	2.000	EACH	IMPACT ATTENUATOR	\$30,000.00	\$40,000.00	\$28,000.00	90.28	4514%	133%	No	EE OK/ QTY OK
6460180	1072.000	SQYD	LIQUID MEMBRANE	\$55.00	\$50.00	\$67.00	-63,728.47	-5945%	91%	No	EE OK/ QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities; no errors were found. Recommend to Award.

Purpose and Need of Project: This project improves 12 miles of Interstate 80 between Golconda and Valmy and installs a new weigh-in-motion system. The work also includes mill and overlay of the roadway, bridge maintenance and upgrades, as well as drainage, signs, and ITS improvements. Enhanced rideability and signage will increase safety and driver comfort. Bridge and drainage improvements will also reduce maintenance efforts through the corridor.

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):

150

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

Road and Highway Builders, LLC

5. Corporate/Business Entity Street Address:

Street Address: 950 E. Mustang Rd	Website: www.roadandhighwaybuilders.com
City, State and Zip Code: Sparks, NV 89434	Point of Contact Name: Kim Krauser
Telephone and Fax No. 7758527283	Email: kim.krauser@strlco.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. 7758527283	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)
Richard Buenting	Managing Member	50%
Sterling Construction Company	Member	50%

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

DISCLOSURE OF RELATIONSHIP FORM

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

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No


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

Yes No

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

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

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

DocuSigned by:

0082A30B770B4E9...
 Signature _____ Richard Buenting _____
 Print Name
 President & Managing Member _____ 01/19/2021 _____
 Title _____ Date


For NDOT Use Only:

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

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

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

Notes/Comments: _____

DocuSigned by:

3718F6EA59CB491...
 Signature _____

Jasen Stoffer _____
 Print Name
 Authorized NDOT Representative

Line Item 3



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

MEMORANDUM
Administrative Services

February 12, 2021

To: Kristina Swallow, P.E., Director
Jeff Lerud, Acting Deputy Director of Operations and Maintenance
Darin Tedford, Deputy Director, Project Delivery

From: Tyler Saunders, Contract Services Manager – Administrative Services 

Subject: Concurrence in Award for Contract No. 3856, Project No. BR-515-1(045), On I-515 / US 95, Las Vegas, From Eastern Avenue to Las Vegas Spaghetti Bowl, and at Eastern Avenue and Desert Inn Road, in Clark County, described as Seismic retrofit and bridge deck rehabilitation of downtown Las Vegas viaducts and ramp structures; provide additional southbound lane from I-15 to Eastern Avenue by restriping the existing southbound roadway with narrower lanes and shoulders. Replace structures H-1450 and I-1440. The Engineer's Estimate is \$38,440,303.17.

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

Bid proposals were opened on January 21, 2021. Las Vegas Paving Corporation is the apparent low bidder at \$38,770,000.00 and they submitted a properly executed proposal, bid bond and anti-collusion affidavit. The second low bidder is Granite Construction Company with a bid of \$42,986,986.00.

The project is Federally funded; required 7.00% DBE participation; and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by the Las Vegas Paving Corporation have been reviewed and confirmed by Contract Services. The DBE information submitted by the Las Vegas Paving Corporation has been reviewed and certified by the External Civil Rights office. Las Vegas Paving Corporation has met the required DBE participation with a 7.06% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chairs have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain Transportation Board approval of the award at the March 2021 meeting.

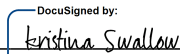
Concurrence in award:



Jeff Lerud, Acting Deputy Director



Darin Tedford, Deputy Director



Kristina Swallow, P.E., Director

Enclosures:
Unofficial Bid Results Report
DBE Sub Approval
BRAT Report



Nevada Department of Transportation
Unofficial Bid Results
 February 12, 2021

Contract Number: 3856 Designer: Senior Designer: VICTOR PETERS Estimate Range: R36 \$34,000,000.01 to \$41,000,000 Project Number: NHP-515-1(040), BR-515-1 (045)	Bid Opening Date and Time: 1/21/2021 1:30 PM Liquidated Damages: \$11,300.00 Working Days: 370 District: DISTRICT 1
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

County: CLARK

Location: On I-515 / US 95, Las Vegas, From Eastern Avenue to Las Vegas Spaghetti Bowl, and at Eastern Avenue and Desert Inn Road, in Clark County.

Description: Seismic Retrofit and Bridge Deck Rehabilitation of Downtown Las Vegas Viaducts and Ramp Structures; Provide Additional Southbound Lane From I 15 To Eastern Avenue by Restriping the Existing Southbound Roadway With Narrower Lanes and Shoulders. Replace Structures H-1450 and I-1440.

	Actual Bid
Apparent Low Bidder: <u>Las Vegas Paving Corporation</u>	<u>\$38,770,000.00</u>
Apparent 2nd: <u>Granite Construction Company</u>	<u>\$42,986,986.00</u>

Bidders:	Actual Bid Amount
1 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	\$38,770,000.00
2 Granite Construction Company 585 West Beach Street Watsonville, CA 95076 (831) 724-1011	\$42,986,986.00



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

MEMORANDUM
Contract Compliance

February 12, 2021

To: Doug Benamati, Deputy Chief – Administrative services

From: Paulita De La Cruz, DBE Specialist

DocuSigned by:

9A647C8047694B9...

Subject: NDOT Bidder DBE Information – Contract no. 3856, On I-515 / US 95, Las Vegas, from Eastern Avenue to Las Vegas Spaghetti Bowl, and at Eastern Avenue and Desert Inn Road, in Clark County; Seismic retrofit and bridge deck rehabilitation of downtown Las Vegas viaducts and ramp structures; Provide additional southbound lane from I-15 to Eastern Avenue by restriping the existing southbound roadway with narrower lanes and shoulders; replace structures H-1450 and I-1440.

Apparent low bid: \$38,770,000.00

The DBE information for General Design and Construction Company, Inc., LAM Contracting LLC, and Universal Consulting Corporation DBA A-1 Concrete Cutting and Demolition, submitted by the apparent low bidder, Las Vegas Paving Corporation, has been received by the DBE Program Office and we have concluded:

General Design and Construction Company, Inc., LAM Contracting LLC, and Universal Consulting Corporation DBA A-1 Concrete Cutting and Demolition hold active State of Nevada business licenses and are Nevada certified DBE firms. Additionally, LAM Contracting LLC and Universal Consulting Corporation DBA A-1 Concrete Cutting and Demolition hold active Nevada State Contractors Board licenses. All DBE firms are clear of State disqualification and Federal exclusion.

The DBE goal of 7.00% has been met with a 7.06% DBE committed participation by the apparent low bidder, Las Vegas Paving Corporation.

All DBE firms are approved for this contract.

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



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

MEMORANDUM
Administrative Services

February 11, 2021

To: Doug Benamati, Deputy Chief - Administrative Services
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract #3856

The Bid Review and Analysis Team (BRAT) met on February 2, 2021, to discuss bids for the above referenced contract. The following were in attendance:

- | | |
|-----------------------------------------------------|--------------------------------------------|
| Scott Hein, Chief Design Engineer | Richard Splawinski Highway Project Manager |
| Sharon Foerschler, Chief Construction Engineer | Roger Wirt, Associate Engineer |
| Jeffrey Lerud, Acting Deputy Director of Operations | Curtis Hartzell, Associate Engineer |
| Victor Peters, Associate Engineer | Timothy Ruguleiski, Professional Engineer |
| Ryan Bennett, Associate Engineer | Samuel Lompa, Professional Engineer |
| Samantha Dowd, Professional Engineer | Eric McGill, Associate Engineer |
| Mark Caffaratti, Professional Engineer | Kevin Maxwell, Professional Engineer |
| Brian Deal, Professional Engineer | Phillip Slagel, Professional Engineer |
| Michael Taylor, Professional Engineer | Dale D. Wagner, FHWA |
| Michael West, Associate Engineer | Tyler Saunders, Contract Services Manager |

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

The apparent lowest responsive bidder, Las Vegas Paving Corporation, submitted a bid which is 101% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

67A4C09A4CB7477
Sharon Foerschler, BRAT Co-Chair

DocuSigned by:

E7F2D4506AC6488...
Scott Hein, BRAT Co-Chair

cc: Attendees
Dennis Gallagher, Legal
Design Admin

Bid Tabulation

January 22, 2021

Contract No.: 3856
Description: Seismic Retrofit and Bridge Deck Rehabilitation of Downtown Las Vegas Viaducts and Ramp Structures; Provide Additional Southbound Lane from I 15 to Eastern Avenue by Restriping the Existing Southbound Roadway with Narrower Lanes and Shoulders. Replace Structures H-1450 and I-1440.
Location: On I-515 / US 95, Las Vegas, From Eastern Avenue to Las Vegas Spaghetti Bowl, and at Eastern Avenue and Desert Inn Road, in Clark County.
Bid Opening: January 21, 2021

Project No.: NHP-515-1(040), BR-515-1(045)
Project ID: 60974
County: Clark
Range: R36 (\$34,000,000.01 to \$41,000,000.00)
Working: 370

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1100050	7,000.000	HOUR	TRAINING	\$0.80	\$5,600.00	\$0.80	\$5,600.00	\$0.80	\$5,600.00
2000100	75.000	HOUR	SURVEY CREW	\$200.00	\$15,000.00	\$290.00	\$21,750.00	\$383.00	\$28,725.00
2020105	2.000	EACH	REMOVAL OF BRIDGE	\$800,000.00	\$1,600,000.00	\$562,000.00	\$1,124,000.00	\$483,765.86	\$967,531.72
2020120	159,899.000	SQFT	REMOVAL OF PORTION OF BRIDGE DECK	\$3.00	\$479,697.00	\$0.55	\$87,944.45	\$0.70	\$111,929.30
2020125	1.000	LS	REMOVAL OF PORTION OF BRIDGE	\$335,000.00	\$335,000.00	\$691,000.00	\$691,000.00	\$235,000.00	\$235,000.00
2020135	23.000	LINFT	RESET BRIDGE RAIL	\$50.00	\$1,150.00	\$50.00	\$1,150.00	\$225.00	\$5,175.00
2020140	2,504.000	LINFT	REMOVAL OF BRIDGE RAIL	\$50.00	\$125,200.00	\$19.00	\$47,576.00	\$9.50	\$23,788.00
2020160	14,377.000	LINFT	REMOVAL OF EXPANSION JOINTS	\$20.00	\$287,540.00	\$17.60	\$253,035.20	\$3.50	\$50,319.50
2020285	5.000	LINFT	REMOVAL OF CULVERT PIPE	\$220.00	\$1,100.00	\$200.00	\$1,000.00	\$625.00	\$3,125.00
2020345	7,935.000	SQYD	REMOVE CONCRETE SURFACE (COLD MILLING)	\$2.00	\$15,870.00	\$5.50	\$43,642.50	\$12.00	\$95,220.00
2020400	12,462.000	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$15.00	\$186,930.00	\$18.40	\$229,300.80	\$5.50	\$68,541.00
2020515	11,700.000	EACH	REMOVAL OF RAISED PAVEMENT MARKER	\$1.00	\$11,700.00	\$2.14	\$25,038.00	\$1.30	\$15,210.00
2020545	49.000	LINFT	REMOVAL OF SOUND WALL	\$80.00	\$3,920.00	\$123.00	\$6,027.00	\$55.00	\$2,695.00
2020590	241.000	LINFT	RESET CHAIN LINK FENCE	\$20.00	\$4,820.00	\$37.50	\$9,037.50	\$35.00	\$8,435.00
2020595	241.000	LINFT	REMOVAL OF CHAIN LINK FENCE	\$12.00	\$2,892.00	\$15.00	\$3,615.00	\$14.00	\$3,374.00
2020885	1.000	EACH	REMOVAL OF LIGHT POLE	\$1,400.00	\$1,400.00	\$214.00	\$214.00	\$200.00	\$200.00
2020895	139.000	EACH	REMOVE LIGHTING FIXTURES	\$225.00	\$31,275.00	\$193.00	\$26,827.00	\$180.00	\$25,020.00
2020925	6.000	EACH	REMOVAL OF PULL BOX	\$400.00	\$2,400.00	\$214.00	\$1,284.00	\$200.00	\$1,200.00
2020935	18.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$220.00	\$3,960.00	\$197.00	\$3,546.00	\$195.00	\$3,510.00
2020985	27,729.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (SPECIAL)	\$10.00	\$277,290.00	\$2.85	\$79,027.65	\$3.50	\$97,051.50
2020990	2,539.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$4.50	\$11,425.50	\$6.90	\$17,519.10	\$9.00	\$22,851.00
2021040	3.000	EACH	REMOVAL OF DROP INLET	\$1,500.00	\$4,500.00	\$4,300.00	\$12,900.00	\$2,400.00	\$7,200.00
2021270	71.000	SQYD	REMOVAL OF SLOPE PAVING	\$70.00	\$4,970.00	\$95.00	\$6,745.00	\$15.50	\$1,100.50
2021290	49,000.000	LINFT	REMOVE PAVEMENT MARKINGS	\$0.75	\$36,750.00	\$0.80	\$39,200.00	\$0.50	\$24,500.00
2030140	1,856.000	CUYD	ROADWAY EXCAVATION	\$50.00	\$92,800.00	\$62.00	\$115,072.00	\$95.00	\$176,320.00
2030230	383.000	CUYD	BORROW EMBANKMENT	\$75.00	\$28,725.00	\$60.00	\$22,980.00	\$29.00	\$11,107.00
2030690	6.000	SQYD	GEOTEXTILE (CLASS 1)	\$150.00	\$900.00	\$163.00	\$978.00	\$185.00	\$1,110.00
2060110	2,020.800	CUYD	STRUCTURE EXCAVATION	\$72.00	\$145,497.60	\$53.00	\$107,102.40	\$100.00	\$202,080.00
2070110	1,427.900	CUYD	GRANULAR BACKFILL	\$75.00	\$107,092.50	\$69.00	\$98,525.10	\$176.00	\$251,310.40
2070150	3.000	CUYD	SLURRY CEMENT BACKFILL	\$500.00	\$1,500.00	\$300.00	\$900.00	\$515.00	\$1,545.00
2120040	907.000	SQYD	AESTHETIC PATTERNING	\$110.00	\$99,770.00	\$91.00	\$82,537.00	\$82.00	\$74,374.00
2120045	9,690.000	SQYD	PAINTING	\$10.00	\$96,900.00	\$9.00	\$87,210.00	\$16.50	\$159,885.00
2120801	2,586.000	SQYD	DECORATIVE ROCK (TYPE A)	\$12.00	\$31,032.00	\$5.50	\$14,223.00	\$15.00	\$38,790.00
3020130	1,582.700	TON	TYPE 1 CLASS B AGGREGATE BASE	\$70.00	\$110,789.00	\$47.00	\$74,386.90	\$80.00	\$126,616.00
3070100	4.000	TON	SHOULDERING MATERIAL	\$225.00	\$900.00	\$520.00	\$2,080.00	\$1,300.00	\$5,200.00
4020130	879.000	LINFT	PLANTMIX BITUMINOUS SHOULDER DIKES	\$10.00	\$8,790.00	\$14.00	\$12,306.00	\$18.00	\$15,822.00
4020190	707.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$145.00	\$102,515.00	\$140.00	\$98,980.00	\$173.00	\$122,311.00
4030120	190.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$120.00	\$22,800.00	\$193.00	\$36,670.00	\$237.00	\$45,030.00
4060120	1,032.000	SQYD	PRIME COAT	\$2.00	\$2,064.00	\$2.85	\$2,941.20	\$3.50	\$3,612.00
4090200	1,453.000	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (8-INCH)	\$375.00	\$544,875.00	\$115.00	\$167,095.00	\$145.00	\$210,685.00
4090350	1,038.000	LINFT	SAW TRANSVERSE WEAKENED PLANE JOINTS	\$150.00	\$155,700.00	\$2.45	\$2,543.10	\$4.50	\$4,671.00
4090700	342.000	GAL	PCCP CURING COMPOUND,WAX BASE	\$22.00	\$7,524.00	\$9.60	\$3,283.20	\$15.00	\$5,130.00
4110100	2,646.000	TON	PLANTMIX SURFACING (WET)	\$110.00	\$291,060.00	\$164.00	\$433,944.00	\$200.00	\$529,200.00
4960130	16,054.000	SQYD	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	\$35.00	\$561,890.00	\$33.00	\$529,782.00	\$25.00	\$401,350.00
4960160	3,022,436.000	POUND	POLYMER CONCRETE AGGREGATE	\$0.40	\$1,208,974.40	\$0.20	\$604,487.20	\$0.18	\$544,038.48
4960170	422,204.000	POUND	POLYMER CONCRETE RESIN	\$2.00	\$844,408.00	\$2.15	\$907,738.60	\$1.98	\$835,963.92
4970100	122,011.000	SQYD	BRIDGE DECK PREPARATION	\$5.00	\$610,055.00	\$1.68	\$204,978.48	\$1.50	\$183,016.50
4970110	122,011.000	SQYD	THIN BONDED MULTILAYER OVERLAY	\$30.00	\$3,660,330.00	\$38.00	\$4,636,418.00	\$35.00	\$4,270,385.00
5020180	320.000	LINFT	CONCRETE BARRIER RAIL (TYPE B)	\$80.00	\$25,600.00	\$104.00	\$33,280.00	\$130.00	\$41,600.00
5020280	12,453.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$100.00	\$1,245,300.00	\$95.00	\$1,183,035.00	\$100.00	\$1,245,300.00
5020282	630.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$110.00	\$69,300.00	\$232.00	\$146,160.00	\$155.00	\$97,650.00
5020360	1.000	FA	CONCRETE BRIDGE DECK REPAIR	\$5,010,000.00	\$5,010,000.00	\$5,010,000.00	\$5,010,000.00	\$5,010,000.00	\$5,010,000.00

Bid Tabulation

January 22, 2021

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
5020380	1.000	FA	CONCRETE SUPERSTRUCTURE REPAIR	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
5020390	1.000	FA	REPAIR CONCRETE STRUCTURE	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
5020400	1.000	FA	REPAIR SUBSTRUCTURE	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
5020405	244.000	LINFT	CRACK REPAIR	\$200.00	\$48,800.00	\$500.00	\$122,000.00	\$70.00	\$17,080.00
5020450	1.000	LS	SEISMIC RETROFIT OF COLUMNS	\$570,000.00	\$570,000.00	\$500,000.00	\$500,000.00	\$550,000.00	\$550,000.00
5020530	56.000	EACH	LAMINATED ELASTOMERIC BEARING PAD	\$2,500.00	\$140,000.00	\$3,700.00	\$207,200.00	\$10,000.00	\$560,000.00
5020650	2,928.000	SQFT	GRIND CONCRETE DECK SLAB	\$5.00	\$14,640.00	\$13.70	\$40,113.60	\$12.00	\$35,136.00
5020730	18.000	CUYD	CLASS A CONCRETE (ISLAND PAVING)	\$575.00	\$10,350.00	\$1,050.00	\$18,900.00	\$425.00	\$7,650.00
5020930	53.760	CUYD	CLASS A CONCRETE, MODIFIED (MINOR)	\$1,950.00	\$104,832.00	\$2,000.00	\$107,520.00	\$2,300.00	\$123,648.00
5020970	820.000	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR)	\$600.00	\$492,000.00	\$600.00	\$492,000.00	\$805.00	\$660,100.00
5020971	61.000	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	\$1,200.00	\$73,200.00	\$2,000.00	\$122,000.00	\$5,000.00	\$305,000.00
5021000	1,535.000	CUYD	CLASS E CONCRETE, MODIFIED (MAJOR)	\$700.00	\$1,074,500.00	\$540.00	\$828,900.00	\$1,300.00	\$1,995,500.00
5021700	154.000	LINFT	EXPANSION JOINT SEALANT	\$36.00	\$5,544.00	\$49.00	\$7,546.00	\$75.00	\$11,550.00
5021950	351.000	GAL	BRIDGE DECK CURING COMPOUND	\$60.00	\$21,060.00	\$66.00	\$23,166.00	\$595.00	\$208,845.00
5021980	1,907.000	LINFT	PREFORMED JOINT FILLER, (1-INCH)	\$30.00	\$57,210.00	\$9.20	\$17,544.40	\$41.00	\$78,187.00
5021990	1,623.000	LINFT	PREFORMED JOINT FILLER, (1 1/2-INCH)	\$25.00	\$40,575.00	\$11.50	\$18,664.50	\$42.00	\$68,166.00
5022000	777.000	LINFT	PREFORMED JOINT FILLER, (2-INCH)	\$45.00	\$34,965.00	\$13.40	\$10,411.80	\$44.00	\$34,188.00
5022020	434.000	LINFT	PREFORMED JOINT FILLER, (3-INCH)	\$75.00	\$32,550.00	\$21.30	\$9,244.20	\$51.00	\$22,134.00
5022030	10,520.000	LINFT	PREFORMED JOINT FILLER, (3 1/2-INCH)	\$45.00	\$473,400.00	\$23.80	\$250,376.00	\$53.00	\$557,560.00
5022040	534.000	LINFT	PREFORMED JOINT FILLER, (4-INCH)	\$80.00	\$42,720.00	\$26.00	\$13,884.00	\$56.00	\$29,904.00
5050100	605,923.000	POUND	REINFORCING STEEL	\$1.00	\$605,923.00	\$1.21	\$733,166.83	\$1.25	\$757,403.75
5050110	7,086.000	POUND	REINFORCING STEEL (DOWELED)	\$10.00	\$70,860.00	\$2.70	\$19,132.20	\$30.00	\$212,580.00
5060100	1.000	LS	STRUCTURAL STEEL	\$6,430,000.00	\$6,430,000.00	\$6,683,000.00	\$6,683,000.00	\$5,750,000.00	\$5,750,000.00
5060110	1,239.000	POUND	STRUCTURAL STEEL	\$10.00	\$12,390.00	\$10.00	\$12,390.00	\$30.00	\$37,170.00
5060300	480.000	LINFT	BRIDGE RAIL, TYPE H (MODIFIED)	\$360.00	\$172,800.00	\$240.00	\$115,200.00	\$310.00	\$148,800.00
6000110	89.000	LINFT	DRAIN SYSTEM	\$250.00	\$22,250.00	\$900.00	\$80,100.00	\$1,100.00	\$97,900.00
6030170	805.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$90.00	\$72,450.00	\$235.00	\$189,175.00	\$155.00	\$124,775.00
6030180	137.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS IV	\$120.00	\$16,440.00	\$235.00	\$32,195.00	\$185.00	\$25,345.00
6090115	2.000	EACH	MODIFY DECK DRAIN	\$12,000.00	\$24,000.00	\$6,300.00	\$12,600.00	\$10,500.00	\$21,000.00
6091040	8,036.000	POUND	STRUCTURAL STEEL GRATES	\$2.50	\$20,090.00	\$3.00	\$24,108.00	\$3.50	\$28,126.00
6100170	2.000	CUYD	RIPRAP (CLASS 150)	\$550.00	\$1,100.00	\$660.00	\$1,320.00	\$715.00	\$1,430.00
6100460	1.000	CUYD	RIPRAP BEDDING (CLASS 150)	\$1,100.00	\$1,100.00	\$840.00	\$840.00	\$2,300.00	\$2,300.00
6230201	5.000	EACH	ITS VAULT	\$5,000.00	\$25,000.00	\$4,400.00	\$22,000.00	\$4,100.00	\$20,500.00
6230230	7.000	EACH	NO. 5 PULL BOX	\$850.00	\$5,950.00	\$900.00	\$6,300.00	\$850.00	\$5,950.00
6230232	14.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,150.00	\$16,100.00	\$975.00	\$13,650.00	\$910.00	\$12,740.00
6230235	7.000	EACH	NO. 7 PULL BOX	\$1,800.00	\$12,600.00	\$1,550.00	\$10,850.00	\$1,450.00	\$10,150.00
6230245	33.000	EACH	JUNCTION BOX	\$800.00	\$26,400.00	\$1,300.00	\$42,900.00	\$1,200.00	\$39,600.00
6230250	14.000	EACH	JUNCTION BOX (A)	\$1,000.00	\$14,000.00	\$600.00	\$8,400.00	\$550.00	\$7,700.00
6230267	131.000	EACH	LUMINAIRE, TYPE A	\$850.00	\$111,350.00	\$900.00	\$117,900.00	\$840.00	\$110,040.00
6230268	2.000	EACH	LUMINAIRE, TYPE B	\$825.00	\$1,650.00	\$856.00	\$1,712.00	\$800.00	\$1,600.00
6230355	16.000	EACH	UNDERPASS LUMINAIRE, (TYPE C)	\$1,125.00	\$18,000.00	\$1,150.00	\$18,400.00	\$1,100.00	\$17,600.00
6230501	14.000	EACH	SIGN LIGHTING FIXTURE, LED	\$700.00	\$9,800.00	\$1,125.00	\$15,750.00	\$1,050.00	\$14,700.00
6230570	10.000	EACH	STEEL POLE, TYPE 7	\$5,250.00	\$52,500.00	\$4,800.00	\$48,000.00	\$4,512.26	\$45,122.60
6230775	40.000	EACH	LOOP DETECTOR	\$1,000.00	\$40,000.00	\$535.00	\$21,400.00	\$500.00	\$20,000.00
6231350	2.000	EACH	REMOVAL OF EXISTING HIGH MAST LIGHT POLE	\$4,000.00	\$8,000.00	\$1,200.00	\$2,400.00	\$1,100.00	\$2,200.00
6231370	1.000	LS	REMOVAL OF CONDUIT AND CONDUCTORS	\$77,500.00	\$77,500.00	\$3,200.00	\$3,200.00	\$3,000.00	\$3,000.00
6231445	3.000	EACH	REMOVE AND RESET LIGHT POLE	\$5,000.00	\$15,000.00	\$2,000.00	\$6,000.00	\$1,900.00	\$5,700.00
6231450	1.000	EACH	REMOVE AND RESET VARIABLE MESSAGE SIGN	\$11,500.00	\$11,500.00	\$11,500.00	\$11,500.00	\$11,000.00	\$11,000.00
6231780	1,026.000	LINFT	1-INCH CONDUIT	\$7.00	\$7,182.00	\$8.00	\$8,208.00	\$7.50	\$7,695.00
6231795	222.000	LINFT	1 1/2-INCH CONDUIT	\$12.00	\$2,664.00	\$13.00	\$2,886.00	\$12.00	\$2,664.00
6231805	1,409.000	LINFT	2-INCH CONDUIT	\$17.00	\$23,953.00	\$14.00	\$19,726.00	\$13.00	\$18,317.00
6231810	2,772.000	LINFT	2-INCH CONDUIT (METAL)	\$20.00	\$55,440.00	\$72.00	\$199,584.00	\$67.00	\$185,724.00
6231820	4,935.000	LINFT	3-INCH CONDUIT	\$25.00	\$123,375.00	\$15.25	\$75,258.75	\$14.25	\$70,323.75
6231825	187.000	LINFT	3-INCH CONDUIT(METAL)	\$22.00	\$4,114.00	\$161.00	\$30,107.00	\$150.00	\$28,050.00
6231830	930.000	LINFT	4-INCH CONDUIT	\$30.00	\$27,900.00	\$18.00	\$16,740.00	\$17.00	\$15,810.00
6231835	187.000	LINFT	4-INCH CONDUIT(METAL)	\$24.00	\$4,488.00	\$278.00	\$51,986.00	\$260.00	\$48,620.00
6231960	176.000	LINFT	NO. 2 CONDUCTOR	\$2.40	\$422.40	\$2.70	\$475.20	\$2.50	\$440.00
6231970	10,258.000	LINFT	NO. 4 CONDUCTOR	\$2.20	\$22,567.60	\$1.60	\$16,412.80	\$1.50	\$15,387.00

Bid Tabulation

January 22, 2021

Item No.	Quantity	Unit	Description	Engineer's Estimate		Las Vegas Paving Corporation		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6231975	10,502.000	LINFT	NO. 6 CONDUCTOR	\$1.75	\$18,378.50	\$1.40	\$14,702.80	\$1.30	\$13,652.60
6231985	297.000	LINFT	NO. 10 CONDUCTOR	\$1.25	\$371.25	\$1.25	\$371.25	\$1.15	\$341.55
6232174	3.000	EACH	PATCH PANEL	\$1,000.00	\$3,000.00	\$35,000.00	\$105,000.00	\$33,000.00	\$99,000.00
6232175	19,437.000	LINFT	FIBER OPTIC CABLE	\$4.00	\$77,748.00	\$4.95	\$96,213.15	\$4.60	\$89,410.20
6232670	169.000	LINFT	LUMINAIRE RETRIEVAL SYSTEM	\$250.00	\$42,250.00	\$696.00	\$117,624.00	\$650.00	\$109,850.00
6232895	110.000	LINFT	DIRECTIONAL DRILLING	\$150.00	\$16,500.00	\$54.00	\$5,940.00	\$50.00	\$5,500.00
6232915	3.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	\$2,750.00	\$8,250.00	\$4,800.00	\$14,400.00	\$4,500.00	\$13,500.00
6240110	5,600.000	HOUR	FLAGGER	\$50.00	\$280,000.00	\$87.00	\$487,200.00	\$80.00	\$448,000.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$476,000.00	\$476,000.00	\$476,000.00	\$476,000.00	\$476,000.00	\$476,000.00
6240140	370.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$700.00	\$259,000.00	\$933.00	\$345,210.00	\$2,000.00	\$740,000.00
6240190	75.000	HOUR	RENT EQUIPMENT (MOTOR GRADER)	\$165.00	\$12,375.00	\$185.00	\$13,875.00	\$200.00	\$15,000.00
6240240	75.000	HOUR	RENT EQUIPMENT (LOADER)	\$145.00	\$10,875.00	\$200.00	\$15,000.00	\$200.00	\$15,000.00
6240420	75.000	HOUR	RENT EQUIPMENT (BACKHOE)	\$150.00	\$11,250.00	\$155.00	\$11,625.00	\$175.00	\$13,125.00
6250130	28.000	EACH	RENT CONSTRUCTION BARRICADES (TYPE IIIB)	\$250.00	\$7,000.00	\$661.00	\$18,508.00	\$150.00	\$4,200.00
6250140	150.000	EACH	RENT TRAFFIC CONES	\$35.00	\$5,250.00	\$16.30	\$2,445.00	\$50.00	\$7,500.00
6250150	4.000	EACH	RENT FLASHING BEACONS	\$1,890.00	\$7,560.00	\$3,300.00	\$13,200.00	\$1,400.00	\$5,600.00
6250220	16.000	EACH	RENT PORTABLE OVERHEAD LIGHT	\$9,500.00	\$152,000.00	\$13,100.00	\$209,600.00	\$16,000.00	\$256,000.00
6250230	25.000	EACH	RENT CHANGEABLE MESSAGE SIGN	\$5,000.00	\$125,000.00	\$12,850.00	\$321,250.00	\$14,000.00	\$350,000.00
6250260	5.000	EACH	RENT ARROW BOARD (TYPE B)	\$1,800.00	\$9,000.00	\$5,300.00	\$26,500.00	\$6,500.00	\$32,500.00
6250270	14.000	EACH	RENT ARROW BOARD (TYPE C)	\$1,050.00	\$14,700.00	\$5,300.00	\$74,200.00	\$6,600.00	\$92,400.00
6250310	723.000	EACH	RENT TRAFFIC DRUMS	\$45.00	\$32,535.00	\$30.00	\$21,690.00	\$150.00	\$108,450.00
6250360	8.000	EACH	RENT TEMPORARY IMPACT ATTENUATOR	\$3,500.00	\$28,000.00	\$8,300.00	\$66,400.00	\$10,500.00	\$84,000.00
6250420	3.000	EACH	RENT TRUCK-MOUNTED IMPACT ATTENUATOR	\$5,000.00	\$15,000.00	\$21,400.00	\$64,200.00	\$53,000.00	\$159,000.00
6250500	6,527.000	SQFT	RENT CONSTRUCTION SIGNS	\$12.00	\$78,324.00	\$23.00	\$150,121.00	\$40.00	\$261,080.00
6250510	27,525.000	LINFT	RENT PORTABLE PRECAST CONCRETE BARRIER RAIL	\$30.00	\$825,750.00	\$31.30	\$861,532.50	\$80.00	\$2,202,000.00
6250600	8.000	EACH	RENT DRIVER FEEDBACK SIGN	\$3,750.00	\$30,000.00	\$11,600.00	\$92,800.00	\$10,000.00	\$80,000.00
6270022	2.000	EACH	PERMANENT OVERHEAD SIGN PANEL, RECONSTRUCT	\$6,000.00	\$12,000.00	\$3,650.00	\$7,300.00	\$6,500.00	\$13,000.00
6270110	1.000	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$1,271,176.00	\$1,271,176.00	\$1,511,000.00	\$1,511,000.00	\$2,000,000.00	\$2,000,000.00
6270130	10.000	EACH	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES, REMOVE	\$3,500.00	\$35,000.00	\$5,100.00	\$51,000.00	\$8,900.00	\$89,000.00
6270150	4,008.000	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$35.00	\$140,280.00	\$33.00	\$132,264.00	\$32.00	\$128,256.00
6270160	3,758.000	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (REMOVE)	\$5.00	\$18,790.00	\$7.00	\$26,306.00	\$6.00	\$22,548.00
6270170	697.000	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (RESET)	\$20.00	\$13,940.00	\$6.50	\$4,530.50	\$28.00	\$19,516.00
6270190	222.000	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$110.00	\$24,420.00	\$74.00	\$16,428.00	\$106.00	\$23,532.00
6270220	71.000	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$65.00	\$4,615.00	\$32.50	\$2,307.50	\$32.00	\$2,272.00
6270240	219.000	SQFT	PERMANENT SIGNS, REMOVE	\$8.00	\$1,752.00	\$3.50	\$766.50	\$6.00	\$1,314.00
6270250	197.000	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$9.00	\$1,773.00	\$2.85	\$561.45	\$12.50	\$2,462.50
6270260	69.000	SQFT	PERMANENT SIGNS, RESET	\$80.00	\$5,520.00	\$94.00	\$6,486.00	\$106.00	\$7,314.00
6270270	31.000	SQFT	PERMANENT SIGNS, RESET (PANELS ONLY)	\$65.00	\$2,015.00	\$7.50	\$232.50	\$12.50	\$387.50
6280120	1.000	LS	MOBILIZATION	\$2,168,089.42	\$2,168,089.42	\$2,705,761.11	\$2,705,761.11	\$3,793,427.63	\$3,793,427.63
6310100	6,268.000	SQFT	PRECAST CONCRETE WALL PANELS	\$120.00	\$752,160.00	\$83.00	\$520,244.00	\$75.00	\$470,100.00
6321090	124.000	LINFT	POLYUREA PAVEMENT STRIPING (8-INCH DOTTED WHITE)	\$2.50	\$310.00	\$1.07	\$132.68	\$2.75	\$341.00
6321200	6.070	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$7,800.00	\$47,346.00	\$6,400.00	\$38,848.00	\$5,400.00	\$32,778.00
6321220	1.810	MILE	POLYUREA PAVEMENT STRIPING (12-INCH SOLID WHITE)	\$8,600.00	\$15,566.00	\$9,600.00	\$17,376.00	\$7,500.00	\$13,575.00
6321270	6.300	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$7,000.00	\$44,100.00	\$6,400.00	\$40,320.00	\$5,400.00	\$34,020.00
6330100	8,846.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$2.25	\$19,903.50	\$2.94	\$26,007.24	\$2.25	\$19,903.50
6330110	4,973.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$2.50	\$12,432.50	\$2.94	\$14,620.62	\$2.50	\$12,432.50
6340410	252.000	SQFT	PERMANENT PAVEMENT MARKING TAPE (TYPE 2) (VARIES)	\$20.00	\$5,040.00	\$16.00	\$4,032.00	\$7.50	\$1,890.00
6350100	4.000	EACH	TEMPORARY ARROWS	\$250.00	\$1,000.00	\$240.00	\$960.00	\$225.00	\$900.00
6350110	6,060.000	LINFT	TEMPORARY STRIPING TAPE	\$2.00	\$12,120.00	\$2.14	\$12,968.40	\$2.50	\$15,150.00
6350190	40,880.000	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (8-INCH WIDTH)	\$3.00	\$122,640.00	\$2.14	\$87,483.20	\$2.50	\$102,200.00
6350240	129,811.000	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (BROKEN)	\$3.00	\$389,433.00	\$0.54	\$70,097.94	\$1.10	\$142,792.10
6350250	165,152.000	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (SOLID)	\$2.50	\$412,880.00	\$2.14	\$353,425.28	\$1.75	\$289,016.00
6350260	129,848.000	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (SOLID WHITE)	\$1.25	\$162,310.00	\$2.14	\$277,874.72	\$1.75	\$227,234.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$189,889.00	\$189,889.00	\$332,000.00	\$332,000.00	\$150,000.00	\$150,000.00
6410100	1.000	EACH	IMPACT ATTENUATOR	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$40,000.00	\$40,000.00
Totals:					\$38,440,303.17		\$38,770,000.00		\$42,986,986.00

Price Sensitivity

January 22, 2021

Contract No.: 3856
 Project No.: NHP-515-1(040), BR-515-1(045)
 Project Id: 60974
 County: Clark
 Range: R36 (\$34,000,000.01 to \$41,000,000.00)
 Working: 370

RE: Timothy Ruguleiski
 Designer: Curtis Hartzell / Vic Peters

Engineer's Estimate	Las Vegas Paving	Granite Construction	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$38,440,303.17	\$38,770,000.00	\$42,986,986.00	\$4,216,986.00	\$329,696.83	101%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2020105	2.00	EACH	REMOVAL OF BRIDGE	\$800,000.00	\$562,000.00	\$483,765.86	53.90	2695.11%	70.25%	Yes	EE OK / QTY OK
2020120	159899.00	SQFT	REMOVAL OF PORTION OF BRIDGE DECK	\$3.00	\$0.55	\$0.70	-28,113,240.00	-17581.87%	18.33%	Yes	EE OK / QTY OK
2020125	1.00	LS	REMOVAL OF PORTION OF BRIDGE	\$335,000.00	\$691,000.00	\$235,000.00	N/A	N/A	206.27%	Yes	EE OK / QTY OK
2020140	2504.00	LINFT	REMOVAL OF BRIDGE RAIL	\$50.00	\$19.00	\$9.50	443,893.26	17727.37%	38.00%	Yes	EE OK / QTY OK
2020160	14377.00	LINFT	REMOVAL OF EXPANSION JOINTS	\$20.00	\$17.60	\$3.50	299,077.02	2080.25%	88.00%	No	EE OK / QTY OK
2020400	12462.00	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$15.00	\$18.40	\$5.50	326,898.14	2623.16%	122.67%	No	EE OK / QTY OK
2020985	27729.00	SQYD	REMOVAL OF BITUMINOUS SURFACE (SPECIAL)	\$10.00	\$2.85	\$3.50	-6,487,670.77	-23396.70%	28.50%	Yes	EE OK / QTY OK
2030140	1856.00	CUYD	ROADWAY EXCAVATION	\$50.00	\$62.00	\$95.00	-127,787.45	-6885.10%	124.00%	No	EE OK / QTY OK
2060110	2020.80	CUYD	STRUCTURE EXCAVATION	\$72.00	\$53.00	\$100.00	-89,723.11	-4439.98%	73.61%	Yes	EE OK / QTY OK
2070110	1427.90	CUYD	GRANULAR BACKFILL	\$75.00	\$69.00	\$176.00	-39,411.08	-2760.07%	92.00%	No	EE OK / QTY OK
2120040	907.00	SQYD	AESTHETIC PATTERNING	\$110.00	\$91.00	\$82.00	468,554.00	51659.76%	82.73%	No	EE OK / QTY OK
2120045	9690.00	SQYD	PAINTING	\$10.00	\$9.00	\$16.50	-562,264.80	-5802.53%	90.00%	No	EE OK / QTY OK
3020130	1582.70	TON	TYPE 1 CLASS B AGGREGATE BASE	\$70.00	\$47.00	\$80.00	-127,787.45	-8074.02%	67.14%	Yes	EE OK / QTY Should have been 1,457 Tons
4020190	707.00	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$145.00	\$140.00	\$173.00	-127,787.45	-18074.60%	96.55%	No	EE OK / QTY OK
4090200	1453.00	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (8-INCH)	\$375.00	\$115.00	\$145.00	-140,566.20	-9674.21%	30.67%	Yes	EE High; Limited history on pricing and data, bid price is good / QTY OK
4090350	1038.00	LINFT	SAW TRANSVERSE WEAKENED PLANE JOINTS	\$150.00	\$2.45	\$4.50	-2,057,066.34	-198175.95%	1.63%	Yes	EE Very High; Limited history on pricing and data, bid price is good. / QTY OK
4110100	2646.00	TON	PLANTMIX SURFACING (WET)	\$110.00	\$164.00	\$200.00	-117,138.50	-4427.00%	149.09%	No	EE OK / QTY OK
4960130	16054.00	SQYD	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	\$35.00	\$33.00	\$25.00	527,123.25	3283.44%	94.29%	No	EE OK / QTY OK
4960160	3022436.00	POUND	POLYMER CONCRETE AGGREGATE	\$0.40	\$0.20	\$0.18	210,849,300.00	6976.14%	50.00%	Yes	EE OK / QTY OK
4960170	422204.00	POUND	POLYMER CONCRETE RESIN	\$2.00	\$2.15	\$1.98	24,805,800.00	5875.31%	107.50%	No	EE OK / QTY OK
4970100	122011.00	SQYD	BRIDGE DECK PREPARATION	\$5.00	\$1.68	\$1.50	23,427,700.00	19201.30%	33.60%	Yes	EE OK / QTY OK
4970110	122011.00	SQYD	THIN BONDED MULTILAYER OVERLAY	\$30.00	\$38.00	\$35.00	1,405,662.00	1152.08%	126.67%	No	EE OK / QTY OK
5020280	12453.00	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$100.00	\$95.00	\$100.00	-843,397.20	-6772.64%	95.00%	No	EE OK / QTY OK
5020282	630.00	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$110.00	\$232.00	\$155.00	54,766.05	8693.02%	210.91%	Yes	EE OK / QTY OK
5020405	244.00	LINFT	CRACK REPAIR	\$200.00	\$500.00	\$70.00	9,806.94	4019.24%	250.00%	Yes	EE OK / QTY OK
5020450	1.00	LS	SEISMIC RETROFIT OF COLUMNS	\$570,000.00	\$500,000.00	\$550,000.00	N/A	N/A	87.72%	No	EE OK / QTY OK
5020530	56.00	EACH	LAMINATED ELASTOMERIC BEARING PAD	\$2,500.00	\$3,700.00	\$10,000.00	-669.36	-1195.29%	148.00%	No	EE OK / QTY OK
5020930	53.76	CUYD	CLASS A CONCRETE, MODIFIED (MINOR)	\$1,950.00	\$2,000.00	\$2,300.00	-14,056.62	-26146.99%	102.56%	No	EE OK / QTY OK
5020970	820.00	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR)	\$600.00	\$600.00	\$805.00	-20,570.66	-2508.62%	100.00%	No	EE OK / QTY OK
5020971	61.00	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	\$1,200.00	\$2,000.00	\$5,000.00	-1,405.66	-2304.36%	166.67%	Yes	EE OK / QTY OK
5021000	1535.00	CUYD	CLASS E CONCRETE, MODIFIED (MAJOR)	\$700.00	\$540.00	\$1,300.00	-5,548.67	-361.48%	77.14%	No	EE OK / QTY OK
5021980	1907.00	LINFT	PREFORMED JOINT FILLER, (1-INCH)	\$30.00	\$9.20	\$41.00	-132,609.62	-6953.83%	30.67%	Yes	EE OK / QTY OK
5022030	10520.00	LINFT	PREFORMED JOINT FILLER, (3 1/2-INCH)	\$45.00	\$23.80	\$53.00	-144,417.33	-1372.79%	52.89%	Yes	EE OK / QTY OK
5050100	605923.00	POUND	REINFORCING STEEL	\$1.00	\$1.21	\$1.25	-105,424,650.00	-17399.02%	121.00%	No	EE OK / QTY OK
5050110	7086.00	POUND	REINFORCING STEEL (DOWELED)	\$10.00	\$2.70	\$30.00	-154,468.35	-2179.91%	27.00%	Yes	EE OK / QTY OK
5060100	1.00	LS	STRUCTURAL STEEL	\$6,430,000.00	\$6,683,000.00	\$5,750,000.00	N/A	N/A	103.93%	No	EE OK / QTY OK
5060300	480.00	LINFT	BRIDGE RAIL, TYPE H (MODIFIED)	\$360.00	\$240.00	\$310.00	-60,242.66	-12550.55%	66.67%	Yes	EE OK / QTY OK
6000110	89.00	LINFT	DRAIN SYSTEM	\$250.00	\$900.00	\$1,100.00	-21,084.93	-23690.93%	360.00%	Yes	EE Low; Limited history on pricing and data, bid price is good. / QTY OK
6030170	805.00	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$90.00	\$235.00	\$155.00	52,712.33	6548.11%	261.11%	Yes	EE OK / QTY OK
6230267	131.00	EACH	LUMINAIRE, TYPE A	\$850.00	\$900.00	\$840.00	70,283.10	53651.22%	105.88%	No	EE OK / QTY OK
6230570	10.00	EACH	STEEL POLE, TYPE 7	\$5,250.00	\$4,800.00	\$4,512.26	14,655.54	146555.43%	91.43%	No	EE OK / QTY OK
6231370	1.00	LS	REMOVAL OF CONDUIT AND CONDUCTORS	\$77,500.00	\$3,200.00	\$3,000.00	21,084.93	2108493.00%	4.13%	Yes	EE is ok, but the bid prices are too low. There isn't a lot of removal of conduit (500 ft), but they are pulling out 15,000 feet of old fiber. I put that at \$5 per foot because they need to access boxes along and interstate and ramps. The required work is well defined in the plans/ QTY OK
6231810	2772.00	LINFT	2-INCH CONDUIT (METAL)	\$20.00	\$72.00	\$67.00	843,397.20	30425.58%	360.00%	Yes	EE is low and bid price is good. / QTY OK
6231820	4935.00	LINFT	3-INCH CONDUIT	\$25.00	\$15.25	\$14.25	4,216,986.00	85450.58%	61.00%	Yes	EE ok. Price includes some patching in parking area. / QTY OK
6231835	187.00	LINFT	4-INCH CONDUIT (METAL)	\$24.00	\$278.00	\$260.00	234,277.00	125281.82%	1158.33%	Yes	EE is ok and includes attachments to the structural elements. Reference to Allied on internet \$240 for 10 feet. However, bids appear to be using a 10ft stick price per foot. / QTY OK
6232174	3.00	EACH	PATCH PANEL	\$1,000.00	\$35,000.00	\$33,000.00	2,108.49	70283.10%	3500.00%	Yes	EE too low, should have been \$16K. QTY OK
6232175	19437.00	LINFT	FIBER OPTIC CABLE	\$4.00	\$4.95	\$4.60	12,048,531.43	61987.61%	123.75%	No	EE OK / QTY should have been 19,107 LF
6232670	169.00	LINFT	LUMINAIRE RETRIEVAL SYSTEM	\$250.00	\$696.00	\$650.00	91,673.61	54244.74%	278.40%	Yes	EE too low. Bid prices are ok. / QTY OK
6240110	5600.00	HOURLY	FLAGGER	\$50.00	\$87.00	\$80.00	602,426.57	10757.62%	174.00%	Yes	EE OK / QTY OK

Price Sensitivity

January 22, 2021

6240140	370.00	DAY	TRAFFIC CONTROL SUPERVISOR	\$700.00	\$933.00	\$2,000.00	-3,952.19	-1068.16%	133.29%	No	EE OK / QTY OK
6250220	16.00	EACH	RENT PORTABLE OVERHEAD LIGHT	\$9,500.00	\$13,100.00	\$16,000.00	-1,454.13	-9088.33%	137.89%	No	EE OK / QTY OK
6250230	25.00	EACH	RENT CHANGEABLE MESSAGE SIGN	\$5,000.00	\$12,850.00	\$14,000.00	-3,666.94	-14667.78%	257.00%	Yes	EE OK / QTY OK
6250270	14.00	EACH	RENT ARROW BOARD (TYPE C)	\$1,050.00	\$5,300.00	\$6,600.00	-3,243.84	-23170.25%	504.76%	Yes	EE OK / QTY OK
6250360	8.00	EACH	RENT TEMPORARY IMPACT ATTENUATOR	\$3,500.00	\$8,300.00	\$10,500.00	-1,916.81	-23960.15%	237.14%	Yes	EE OK / QTY OK
6250420	3.00	EACH	RENT TRUCK-MOUNTED IMPACT ATTENUATOR	\$5,000.00	\$21,400.00	\$53,000.00	-133.45	-4448.30%	428.00%	Yes	EE Low; Limited history on pricing and data, bid price is good / QTY OK
6250500	6527.00	SQFT	RENT CONSTRUCTION SIGNS	\$12.00	\$23.00	\$40.00	-248,058.00	-3800.49%	191.67%	Yes	EE OK / QTY OK
6250510	27525.00	LINFT	RENT PORTABLE PRECAST CONCRETE BARRIER RAIL	\$30.00	\$31.30	\$80.00	-86,591.09	-314.59%	104.33%	No	EE OK / QTY OK
6250600	8.00	EACH	RENT DRIVER FEEDBACK SIGN	\$3,750.00	\$11,600.00	\$10,000.00	2,635.62	32945.20%	309.33%	Yes	EE OK / QTY OK
6270110	1.00	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$1,271,176.00	\$1,511,000.00	\$2,000,000.00	N/A	N/A	118.87%	No	EE OK / QTY OK
6270130	10.00	EACH	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES,	\$3,500.00	\$5,100.00	\$8,900.00	-1,109.73	-11097.33%	145.71%	No	EE OK / QTY OK
6270150	4008.00	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$35.00	\$33.00	\$32.00	4,216,986.00	105214.22%	94.29%	No	EE OK / QTY OK
6280120	1.00	LS	MOBILIZATION	\$2,168,089.42	\$2,705,761.11	\$3,793,427.63	N/A	N/A	124.80%	No	Fixed Percentage 6%
6310100	6268.00	SQFT	PRECAST CONCRETE WALL PANELS	\$120.00	\$83.00	\$75.00	527,123.25	8409.75%	69.17%	Yes	EE OK / QTY OK
6350190	40880.00	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (8-INCH WIDTH)	\$3.00	\$2.14	\$2.50	-11,713,850.00	-28654.23%	71.33%	Yes	EE OK / QTY OK
6350240	129811.00	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (BROKEN)	\$3.00	\$0.54	\$1.10	-7,530,332.14	-5801.00%	18.00%	Yes	EE OK / QTY OK
6350250	165152.00	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (SOLID)	\$2.50	\$2.14	\$1.75	10,812,784.62	6547.17%	85.60%	No	EE OK / QTY OK
6350260	129848.00	LINFT	TYPE 1 TEMPORARY STRIPING TAPE (SOLID WHITE)	\$1.25	\$2.14	\$1.75	10,812,784.62	8327.26%	171.20%	Yes	EE OK / QTY OK
6370110	1.00	LS	TEMPORARY POLLUTION CONTROL	\$189,889.00	\$332,000.00	\$150,000.00	N/A	N/A	174.84%	Yes	EE OK / QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities. There were two quantity errors found; bid item 3020130 Type 1 Class B Aggregate Base quantity should be changed from 1,582.70 tons to 1,457 tons; and bid item 6232175 Fiber Optic Cable quantity should be changed from 19,437 LF to 19,107 LF. The BRAT also reviewed and discussed the itemized traffic control and the price differences. The bids for traffic control are reasonable since the traffic control plan is itemized into 12 different phases and includes remobilizing for each phase. In addition, substantial liquidated damages for traffic impacts and early completion incentives which combined minimize safety impacts to the traveling public as well as negative impacts to businesses within the work zones. These factors affect traffic control pricing. The BRAT found some sensitive bid prices as noted above, but remains confident in the plan quantities and prices. The BRAT Recommends to Award.

Purpose and Need of Project: The project is a combination of the following three project components. The southbound auxiliary lane component will extend from I-15 to the Eastern Avenue Interchange. The viaduct rehabilitation component will extend from the Union Pacific Railroad in downtown Las Vegas to 21st Street. The bridge replacement component will replace the existing bridge superstructures at the I-515 over Eastern Avenue and I-515 over Desert Inn Road locations. These projects will improve I-515 operations in the southbound direction by adding an auxiliary lane between the I-15 on-ramp and the Eastern Avenue off-ramp; extend the service life of the existing viaduct structures (constructed in the 1960s and 1980s) until a higher capacity replacement facility can be constructed; and replace the structurally deficient superstructures at the I-515 over Eastern Avenue and I-515 over Desert Inn Road bridges.

DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Business Entity Type (Please select one)

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

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

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

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

Las Vegas Paving Corp.

5. Corporate/Business Entity Street Address:

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

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

Street Address:	Website:
City, State and Zip Code:	Point of Contact Name:
Local Telephone and Fax No. 7022515800	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)
Mendenhall Family Trust	Trust	100
Paula Mendenhall	Trustee	100

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

DISCLOSURE OF RELATIONSHIP FORM

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

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

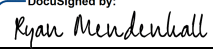
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes No

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

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
None	None	None	None

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

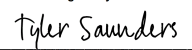
DocuSigned by:

 Ryan Mendenhall
 Signature Print Name
 Director 02/16/2021
 Title Date

For NDOT Use Only:

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

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

Notes/Comments:

DocuSigned by:

 Tyler Saunders
 Signature
 Tyler Saunders
 Print Name
 Authorized NDOT Representative



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

MEMORANDUM

February 26, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: March 8, 2021 | Transportation Board of Directors Meeting

ITEM #7: 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 January 8, 2020 through February 4, 2021.

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 January 8, 2020 through February 4, 2021.

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
February 26, 2021
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, January 8, 2020 through February 4, 2021

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
January 8, 2021 through February 4, 2021

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	06821	00	INFO TECH, INC., DBA INFOTECH	ASHTOWARE CIVIL RIGHTS AND LABOR MODULE IMPLEMENTATION	N	\$1,321,020.00	-	-	\$1,321,020.00	-	3/8/2021	6/30/2025	-	Service Provider	Construction	Darin	Sharon	03/08/2021: ASHTOWARE SOFTWARE IMPLEMENTATION, INCLUDING: IMPLEMENTATION PLANNING, KICKOFF MEETING, TEAM SUPPORT, ANALYSIS, TRAINING, BUSINESS PROCESS WORKSHOPS, BUSINESS PROCESS SUPPORT, CONFIGURATION SUPPORT, TRAINING MATERIALS DEVELOPMENT, USER ACCEPTANCE TESTING SUPPORT, TRAIN-THE-TRAINER, ON-SITE TRAINING FOR DEPARTMENT STAFF, PRODUCTION DEPLOYMENT SUPPORT AND POST-PRODUCTION SUPPORT, STATEWIDE. NV B/L#: NVD20201866510-S
2	53120	00	DIVERSIFIED CONSULTING SERVICES	CREW AUGMENTATION	Y	\$4,566,448.66	-	-	\$4,566,448.66	-	3/8/2021	3/31/2023	-	Service Provider	Construction	Darin	Sharon	03/08/2021: THE SCOPE OF SERVICES INCLUDES PROVIDING CONSTRUCTION ENGINEERING SERVICES FOR THE AUGMENTATION OF CREW 911 FOR THE OVERSIGHT OF PROJECTS ON SR28, SR431, AND SR28-MARLETTLE CREEK, PROJECT IDS 74155, 74079, AND 74153. THE ESTIMATED DURATION FOR THESE PROJECTS IS THREE HUNDRED (300) WORKING DAYS, WASHOE COUNTY. NV B/L#: NVD19901019853-R PROPOSERS: CA GROUP, INC., DIVERSIFIED CONSULTANT SERVICES
3	54219	01	KIMLEY-HORN AND ASSOCIATES	STRATEGIC HIGHWAY SAFETY PLAN	Y	\$2,000,000.00	-	\$377,351.00	\$2,377,351.00	-	1/23/2020	6/30/2023	3/8/2021	Service Provider	Traffic Safety	Sondra	Fred	AMD 1 03-08-21: INCREASE AUTHORITY BY \$377,351.00 FROM \$2,000,000.00 TO \$2,377,351.00 TO BROADEN THE SCOPE OF SERVICES TO BY ADDRESSING SPEED THROUGH THE DEVELOPMENT OF A SPEED MANAGEMENT PLAN WITH GUIDANCE ON THE CREATION OF THE SPEED LIMIT POLICY AND PROVIDING ADDITIONAL SUPPORT FOR RESTRUCTURING OF STRATEGIC HIGHWAY SAFETY PLAN (SHSP) IMPLEMENTATION TO IMPROVE COLLABORATION AND EFFECTIVENESS OF IMPLEMENTATION. 01-23-20: A COMPREHENSIVE STATEWIDE SAFETY PLAN THAT IDENTIFIES THE GREATEST CAUSES OF SEVERE CRASHES ON NEVADA ROADWAYS. THE PLAN ESTABLISHES STATEWIDE GOALS, WITH AN EMPHASIS ON ENGINEERING, EDUCATION, ENFORCEMENT, EMERGENCY RESPONSE/MANAGEMENT AND USER ADVOCATES. GOALS AND STRATEGIES WILL BE DEVELOPED IN CONSULTATION WITH LOCAL, FEDERAL AND TRIBAL STAKEHOLDERS, STATEWIDE. NV B/L#: NVF19911015458-R
4	56614	06	JACOBS ENGINEERING GROUP, INC.	NEPA STUDY FOR THE I-515 DOWNTOWN ACCESS PROJECT	N	\$2,645,000.00	\$7,257,000.00	\$4,971,490.73	\$14,873,490.73	-	7/24/2015	6/30/2023	3/8/2021	Service Provider	Project Management	Darin	Nick	AMD 6 03-08-21: EXTEND TERMINATION DATE FROM 12-31-21 TO 06-30-23 AND INCREASE AUTHORITY BY \$4,971,490.73 FROM \$9,902,000.00 TO \$14,873,490.73 TO CONTINUE THE PRE-NEPA WORK THAT WAS PREVIOUSLY PERFORMED AND PROGRESS TOWARD THE COMPLETION OF A NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) ENVIRONMENTAL IMPACT STATEMENT. AMD 5 02-11-19: EXTEND TERMINATION DATE FROM 12-31-19 TO 12-31-21 AND INCREASE AUTHORITY BY \$6,000,000.00 FROM \$3,902,000.00 TO \$9,902,000.00 FOR THE CONTINUATION OF NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) AND FINAL DESIGN SERVICES, AND TO BEGIN PRELIMINARY DESIGN AND NEPA STUDIES FOR THE I-515 BRIDGE REPLACEMENT AND THE DOWNTOWN ACCESS PROJECT. THE STUDY WILL INCLUDE THE CONSTRUCTION OF AN INTERCHANGE AT CITY PARKWAY AND RECONSTRUCTION OF THE I-515 FROM THE SPAGHETTI BOWL TO LAS VEGAS BOULEVARD TO ACCOMMODATE FUTURE TRAVEL DEMANDS. AMD 4 04-27-18: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 12-31-18 TO 12-31-19 DUE TO ADDITIONAL TASK ORDERS TO DEVELOP A LIST OF POTENTIAL IMPROVEMENTS BY EVALUATING THE ENVIRONMENTAL JUSTICE IMPACTS, CONSTRUCTIBILITY IMPACTS, OPERATIONAL AND SAFETY SCREENING, ASSESSMENT OF RIGHT-OF-WAY IMPACTS, AND AN ASSESSMENT OF THE ABILITY TO IMPLEMENT THE IMPROVEMENTS. AMD 3 09-11-17: EXTEND TERMINATION DATE FROM 01-31-18 TO 12-31-18 AND INCREASE AUTHORITY BY \$1,257,000.00 FROM \$2,645,000.00 TO \$3,902,000.00 FOR CONTINUATION OF SERVICES. AT THIS STAGE OF THE I-515 ALTERNATIVES DEVELOPMENT STUDY, IT HAS BECOME CLEAR THAT, IN ADDITION TO THE CITY PARKWAY SOUTHBOUND RAMP PROJECT, THE PROJECT THAT ELIMINATES THE EXISTING LANE DROP WITHIN THE SPAGHETTI BOWL HAS BENEFITS AND IS SUPPORTED BY STAKEHOLDERS SUCH THAT IT SHOULD BE ADVANCED THROUGH THE NEPA STAGE. AMD 2 01-31-17: EXTEND TERMINATION DATE FROM 01-31-17 TO 01-31-18 DUE TO ADDITIONAL TASK ORDERS. AMD 1 08-29-16: REMOVE LIQUIDATED DAMAGES CLAUSE FROM AGREEMENT. 07-24-15: PROVIDE A FEASIBILITY STUDY FOR I-515 CORRIDOR (I-515, WYOMING AVENUE GRADE SEPARATION TO SPAGHETTI BOWL, AND US 95, SPAGHETTI BOWL TO RANCHO DRIVE) TO INCLUDE ANALYSIS AND EVALUATION OF OPERATIONAL AND SAFETY IMPROVEMENTS, AND TO PROVIDE ENVIRONMENTAL DOCUMENTATION AND CONCEPTUAL DESIGN SERVICES, CLARK COUNTY. NV B/L#: NV2008103508-R
5	77915	03	CA GROUP, INC.	I-515/CHARLESTON BOULEVARD INTERCHANGE DESIGN AND PROJECT MANAGEMENT SERVICES	N	\$1,430,500.00	\$3,500,000.00	\$916,500.00	\$5,847,000.00	-	6/7/2016	12/31/2024	3/8/2021	Service Provider	Project Management	Darin	Nick	AMD 3 03-08-21: INCREASE AUTHORITY BY \$916,500.00 FROM \$4,930,500.00 TO \$5,847,000.00 AND EXTEND TERMINATION DATE FROM 12-31-22 TO 12-31-24 DUE TO THE ADDITION OF DESIGN SCOPE, DESIGN CHANGES, ADDITIONAL REVIEW SUBMISSIONS, AND SERVICES DURING CONSTRUCTION. THE SCOPE OF SERVICES MUST BE INCREASED TO INCLUDE ROADWAY GEOMETRIC CHANGES; BRIDGE, RETAINING WALL, SOUNDWALL, AND PAVEMENT DESIGN CHANGES; ADDITIONAL TRAFFIC SIGNAL AND IRRIGATION SYSTEM DESIGNS; ADDITIONAL REVIEW SUBMISSIONS; AND SERVICES DURING CONSTRUCTION. AMD 2 08-19-19: INCREASE AUTHORITY BY \$3,000,000.00 FROM \$1,930,500.00 TO \$4,930,500.00 AND EXTEND TERMINATION DATE FROM 12-31-20 TO 12-31-22 TO ADD FINAL DESIGN ENGINEERING SERVICES FOR THE PROJECT. 02-05-19: AGREEMENT P779-15-015A WAS EXECUTED DUE TO ORIGINAL AGREEMENT EXPIRING BEFORE WORK COULD BE COMPLETED - EXTENDED TERMINATION DATE FROM 12-31-18 TO 12-31-20. AMD 1 02-06-17: INCREASE AUTHORITY BY \$500,000.00 FROM \$1,430,500.00 TO 1,930,500.00 DUE TO THE ADDITION OF CMAR/ICE COORDINATION, VALUE ENGINEERING, AIR QUALITY MODELING, AND OTHER TASKS TO THE SCOPE OF SERVICES. 06-07-16: DESIGN, PROJECT MANAGEMENT, LANDSCAPE AND AESTHETIC CONCEPTS AND DESIGN, TRAFFIC ANALYSIS, ENVIRONMENTAL STUDIES, SUBSURFACE UTILITY EXPLORATION, AND PUBLIC RELATIONS AND OUTREACH SERVICES FOR THE I-515/CHARLESTON BLVD. INTERCHANGE PROJECT. CLARK COUNTY. NV B/L#: NVD20081407877-R

Line Item 1

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

068-21-040

For Agreement Services Only

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

Initial Budget Request Request for Amendment #: Agreement #:

If Amendment, name of Company:

Project ID #(s): n/a

Type of Services: Software Implementation

Originated by: Tonia Andree Division: C040 Construction Date Originated: 1/14/2021

Division Head/District Engineer: Sharon Foerschler

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

Estimated Cost: \$1,321,020.00 Type of Funding: State % of Fund: 100

Funding Notes: Total Request: \$1,321,020.00; FY21: \$165,000.00; FY22: \$1,106,020.00; FY23: \$50,000.00 State Fiscal Year(s): 2021, 2022, 2023

IT Review:

David Wooldridge

Signature

Wednesday, January 20, 2021

Date

Financial Management:

Kristen Greenhut

Signature

1/28/2021

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

Signature

1/28/2021

Date

Director:

Kristina Swallow

Signature

1/28/2021

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:

Compliance, with State and Federal regulations, requires a full NDOT team effort, with the primary responsibilities for external compliance falling to the Contract Compliance Section and the NDOT Construction Crews. Data integrity issues and software limitations identified over the last several years triggered an evaluation of new systems for solutions to the ever-changing regulatory environment.

With the Department's trend toward enterprise systems, both Aurigo's Masterworks and AASHTOWare Project (AWP) were evaluated. Because of demonstrated functionality; where external compliance falls in the project lifecycle; and anticipated greater user acceptance due to the Construction Crews already working in the system, AWP was chosen as the preferred solution.

Initial benefits of the AWP system will address two recent/historic FHWA audit findings: certified payroll and prompt payment reporting. Significant productivity benefits should be realized immediately with the reduction in the number of compliance systems needed for contract evaluation. The number of software programs used by Contract Compliance will reduce from 5 to 2, and the Construction Crews will reduce from 4 to 1.

AWP has been designed by DOTs with focus on the DOT regulatory process. AWP has been developed to meet FHWA reporting requirements with an understanding that each state has unique compliance requirements. This exclusive focus will not only provide improved regulatory processes but will provide new industry best practice opportunities for NDOT compliance.

Scope of Services:

The scope of services includes: Implementation planning, kickoff meeting, team support, analysis, training, business process workshops, business process support, configuration support, training materials development, user acceptance testing support, train-the-trainer, on-site training for NDOT Staff, production deployment support, post-production support. Additional details are attached.

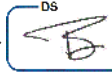


1263 South Stewart Street
Carson City, Nevada 89712
Phone: (775) 888-7440
Fax: (775) 888-7201

MEMORANDUM

February 23, 2021

TO: Cole Mortensen, Deputy Director
Darin Tedford, Deputy Director

FROM: Teresa Schläffer, Contract Compliance Manager/Project Manager 

SUBJECT: Negotiation Summary for P068-21-040, Implementation of the AASHTOWare Project Civil Rights and Labor (CRL) Module

Multiple conference calls were held with Mark Douglas and other representatives of Info Tech and Project Managers from both the Construction Division and the Contract Compliance Section to negotiate the scope and cost for the AASHTOWare CRL module implementation.

Although the agreement is budgeted out of the Construction Division, the project will be managed in the Contract Compliance Section through collaboration with Kristen McDaniel, the AASHTOWare Project Manager in the Construction Division.

The DBE goal was established at zero percent (0%)

The duration of this agreement will be for 4 years, ending on June 30, 2025.

The budgeted amount of this Agreement is \$1,321,020.00 and is 100% State Funded.

The cost, scope of services and schedule were agreed to by both parties and are attached. Pending Transportation Board Approval, the project start date will be March 15, 2021.

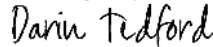
Key Info Tech personnel dedicated to this project are Mark Douglas, Account Representative and Michael McDaniel (no relation to Kristen), Project Manager.

Reviewed and Approved:

DocuSigned by:

5F9A0E81C54047A...

Cole Mortensen, Deputy Director

DocuSigned by:

59F62CD438AD46A...

Darin Tedford, Deputy Director

Milestone	Price
Implementation Planning Meeting	\$15,253
Implementation Kickoff Meeting	\$20,819
Implementation Team Support	\$72,024
High Level Analysis	\$156,708
Implementation Team Training – AASHTOWare Project Civil Rights & Labor	\$59,142
Access to the Infotech Developed Training Materials (fixed price)	\$6,710
AASHTOWare Project Civil Rights & Labor Business Workshops	\$142,152
AASHTOWare Project Civil Rights & Labor Business Support	\$126,080
Configuration Support	\$238,108
NDOT Training Materials Development	\$165,475
User Acceptance Testing Support	\$39,782
Parallel Testing Support	\$39,782
Train-the-Trainer Training	\$33,493
Onsite DBE Training for NDOT Staff	\$42,634
Onsite Labor Training for NDOT Staff	\$43,651
Production Deployment Support	\$49,422
Post-Production Support	\$58,199
Project Closeout	\$11,586
TOTAL SCOPE OF SERVICES	\$1,321,020

Invoicing Method

Infotech will invoice NDOT monthly, based on a percent complete for the fixed-price milestones listed above.

Proposal

Nick DuVal for Carole Pickens
 Digitally signed by Nick DuVal for Carole Pickens
 Date: 2020.12.23 16:18:39 -05'00'

 Carole L. Pickens Date
 Infotech
 Vice President, Operations
 (352) 381-4453
carole.pickens@infotechinc.com

Enclosure 1 – Scope of Services

Travel Assumption: Infotech assumes that its resources will travel to NDOT's facilities to conduct training, workshops, and on-site meetings. However, either NDOT or Infotech may decide unilaterally to conduct these tasks remotely using video conferencing software. If Infotech or NDOT chooses to have Infotech conduct tasks remotely, Infotech will assess near the end of the contract and work with NDOT to determine if a change order is needed.

The breakdown of tasks is as follows.

Services Included

- **Implementation Planning Meeting** – The Infotech Project Manager and the NDOT Project Manager will conduct an initial remote session to perform the following tasks together:
 - Perform project startup communications, planning, calls, and project initiation tasks at the outset of the project.
 - Identify Project Core Team and Implementation Team members.
 - Determine a Decision Hierarchy and Escalation Process.
 - Determine a Project Communication Plan.
 - Review project schedule.
 - Draft determination and plans for an AASHTOWare Project implementation database
 - Identify a process to define and review new business procedures.
 - Determine a Base Customization Request process.
 - Determine a file administration and archival process for the implementation project.

- **Implementation Kickoff Meeting** – Infotech will provide resources on site for a half-day to facilitate an implementation kickoff meeting with stakeholders and the implementation team. The Infotech Project Manager and the NDOT Project Manager will review the overall implementation plan prior to the kickoff meeting. The Infotech project manager and the agency project manager will identify roles and responsibilities, implementation tasks, and implementation team direction. Infotech will combine this task with the first on-site trip.
- **Implementation Team Support** – Infotech will perform project management services that include meetings between PMs, updating work breakdown structure, reporting on a monthly basis, and planning implementation. Infotech will meet once per month, remotely, with the NDOT core implementation team to review workshop updates, issues, and schedules. Infotech will conduct the meetings and provide documentation to NDOT of progress during the previous month and planned activities for the next months.
- **High-Level Analysis** – Infotech will provide resources on site for four (4) days to conduct data gathering and analysis meetings with appropriate NDOT personnel. The analysts will assess NDOT’s current civil rights and labor business processes, software, reports, and interfaces. Infotech and NDOT will spend two (2) days reviewing the civil rights functionality and two (2) days reviewing the labor functionality. Infotech will incorporate the Implementation Kickoff Meeting into this trip.

Topics covered during the analysis meetings include:

- DBE Certification Processes
- DBE Goals and Commitments Processes
- Subcontract Monitoring and Reporting Processes
- Subcontract Payments and Prompt Payment Processes
- On-the-Job Training Processes
- EEO Monitoring and Reporting Processes
- End-of-Month Trucking Processes

- Payroll Processes
- Reporting requirements related to the above topic(s)
 - Infotech defines reports at a high level and often based on existing AASHTOWare generic reports or on existing agency reports.
- Data migration and interface requirements related to the above topic(s)
 - Infotech will document migration needs and interface requirements at a high level by identifying the source and data to be migrated and identifying any on-going interfaces with other systems, including a high-level description of the data and identification of the data owner.
- Training needs related to basic roles

After the on-site trip, the Infotech team will complete the analysis and documentation through webinars, conference calls, and other telecommunication tools, in addition to engaging other Infotech staff, as appropriate. The Infotech team will also follow up with agency personnel, as required, to clarify information being considered during the analysis period.

Infotech will prepare and deliver an AASHTOWare Project Civil Rights & Labor Implementation Assessment Report. The implementation assessment will include the following:

- Summaries of current and proposed procedures, including data migration information
- Assessment of current reports and forms and how these may be managed
- Assessment of current interfaces, including a system interface diagram of all NDOT systems interfacing with the AASHTOWare Project Civil Rights & Labor software

- Identification of potential implementation issues and considerations, key decisions, and implementation requests
- Updates to the implementation plan and schedule

Infotech will deliver draft report chapters to NDOT for review and feedback throughout the report-writing period. Infotech will conduct webinars with NDOT to answer questions and discuss issues. Infotech will deliver the completed draft document no later than three (3) months after completion of the on-site meetings.

Infotech will modify the AASHTOWare Project Civil Rights & Labor Implementation Assessment Report based on feedback from NDOT and will deliver a final document to NDOT no later than three (3) weeks after receipt of NDOT's last comments.

Infotech will conduct a webinar presentation to discuss the AASHTOWare Project Civil Rights & Labor Implementation Assessment Report with appropriate NDOT project stakeholders.

- **Implementation Team Training – AASHTOWare Project Civil Rights & Labor –** Infotech will provide resources on site for four (4) days to conduct implementation team training, using the Infotech developed training materials. With this training, Infotech will give the NDOT implementation team members experience with the civil rights and labor functionality of the AASHTOWare Project Civil Rights & Labor application so that they can make informed decisions as to how to incorporate the software's functionality into business processes, policies, and procedures. This will also position them as advocates for the NDOT user community during this transition. Infotech conducts separate training sessions for civil rights and labor functionality. Infotech staff will lead the team through a hands-on experience with the functionality of the application.
- **Access to the Infotech Developed Training Materials –** For the Implementation Team Training – AASHTOWare Project Civil Rights & Labor task, Infotech will use Infotech training materials, including Infotech data and Infotech training guides.

This project includes access to the Infotech training database. Infotech will send NDOT electronic versions of the training manual, and NDOT will provide a printed copy for each attendee. Infotech charges a firm fixed fee for access to the Infotech-developed training materials.

- **Business Process Workshops – AASHTOWare Project Civil Rights & Labor Functionality** – Infotech will provide resources on site to conduct a series of business process workshops. Infotech estimates each workshop to be four (4) days. Infotech will combine various topics into a workshop week. Infotech estimates three (3) on-site trips for the civil rights and labor business process workshops.

Infotech’s goal for each workshop is for NDOT to gain the information and guidance it needs to make informed decisions required to implement the civil rights and labor functionality in AASHTOWare Project Civil Rights & Labor software. Infotech will use these decisions to configure the software to meet NDOT’s needs. Infotech will follow each workshop with a series of weekly meetings to continue to refine the decisions that will drive the configurations. Infotech will utilize an iterative approach and deliver the configurations as they are completed. Infotech will determine the exact list of workshops and their content after the high-level analysis of NDOT’s needs. Infotech proposes the following workshops:

- Pre-Award: DBE Vendor Certification, DBE Goal Setting, DBE Commitments, Agency – Bidder Quoter, On the Job Training (OJT), Non-Agency – Bidder Quoter, DBE Commitments & Good Faith Effort Workshop

Infotech will introduce key concepts and definitions and provide information to assist NDOT in reviewing, gathering, developing, and refining their business processes and configurations of code tables, screens, reports, and interfaces for the pre-award activities: DBE Vendor Certification, DBE Goal Setting, and DBE Commitments, Agency – Bidder Quoter, OJT, Non-Agency – Bidder Quoter, DBE Commitments & Good Faith Effort as supported by the AASHTOWare Project Civil Rights & Labor software.

- Post Award: DBE Commitment Revisions, Subcontract Monitoring, End-of-Month Trucking, Subcontract Payments Workshop

Infotech will introduce key concepts and definitions and provide information to assist NDOT in reviewing, gathering, developing, and refining their business processes and configurations of code tables, screens, reports, and interfaces for the post-award activities: DBE commitment revisions, Subcontract Monitoring, End-of-Month Trucking, and Subcontract Payments as supported by the AASHTOWare Project Civil Rights & Labor software.

- Payrolls & Wage Compliance Workshop

Infotech will introduce key concepts and definitions and provide information to assist NDOT in reviewing, gathering, developing, and refining their business processes and configurations of code tables, screens, reports, and interfaces for the post-award activities: entering and updating wage decisions, receiving, reviewing, and approving contractor and subcontractor payrolls supported by the AASHTOWare Project Civil Rights & Labor software.

- **AASHTOWare Project Civil Rights & Labor Business Process Support** – Throughout the project, Infotech will provide support to NDOT staff as they work on various implementation activities discussed and identified. The NDOT Project Manager and the Infotech Project Manager will work together to coordinate support activities. Infotech will assist NDOT staff as they learn functional areas of the AASHTOWare Project Civil Rights & Labor software, make business decisions, define procedures, assess required configurations, identify reports, establish data conventions, perform data population, and work on related implementation tasks. NDOT will request support as needed.
- **Configuration Support** – Infotech will assist NDOT with performing identified configuration changes to screens, reports, and the addition of agency specific

fields. Infotech will provide assistance with custom reports and interfaces as needed. NDOT will request support as needed.

- **NDOT Training Materials Development** – Infotech will create the NDOT training materials for the On–Site DBE Training for NDOT Staff, Onsite Labor Training for NDOT Staff, and the Onsite AASHTOWare Project Civil Rights & Labor Training for Non–Agency Staff. Infotech and NDOT will work together to identify the necessary NDOT training data and the applicable NDOT business scenarios to use in the training examples. Infotech will deliver the training materials as a custom training database, custom training guides, videos, and Quick Reference Guides (QRGs).
 - Custom Training Database
Infotech will work with NDOT to create specific training exercises and data. Infotech will create a realistic contract utilizing selected NDOT data for the training exercises. The training contract is replicated to allow up to sixteen (16) students and two (2) instructors to train using their own unique training contract (e.g., Contract01, Contract02) and user IDs (e.g., Train01, Train02). All training contracts are identical, but uniquely numbered.

Infotech requires access to NDOT’s AASHTOWare Project database to develop the NDOT custom training database.

- Custom Training Guides
Infotech will customize the Infotech developed Business Planning & Training Guide for Civil Rights & Labor and the Business Planning & Training Guide for Civil Rights & Labor for Non–Agency Users that are currently available for download from the AASHTOWareProject.org website. Infotech will configure the custom manuals for NDOT business processes, with NDOT seeded training data, and the courses that NDOT selects. Infotech requires access to NDOT’s custom training database to develop the NDOT custom training guides.

- Training Videos
Modular based training videos include short step-by-step narrative instructions and demonstration of NDOT's process for a component in the AASHTOWare Project Civil Rights & Labor software. Infotech will work with NDOT to develop the content and data of each video script. Infotech requires access to NDOT's custom training database and guides to develop the NDOT custom training guides.
- Quick Reference Guides (QRGs)
QRGs are brief documents, one to two pages, that outline the steps to perform the functions and tasks within the AASHTOWare Project software. QRGs are used in training classes and as a reference when using the application after training. Infotech will work with NDOT to develop the content of each QRG. Infotech requires access to NDOT's custom training database and guides to develop the NDOT custom training guides.
- **User Acceptance Testing Support** – Infotech will provide resources on site for one (1) four (4)-day trip to assist NDOT with its planning of the agency's system testing and user acceptance testing processes to allow complete testing of all business functions as defined by the team. Infotech's support includes assistance with planning and documentation, appropriate preparation, travel, and follow-up work as required offsite for Infotech staff.
- **Parallel Testing Support** – Infotech will provide resources on site for one (1) four (4)-day trip to ensure functionality is tested and accepted prior to deploying to full production. Infotech can support NDOT with the parallel testing by conducting site visits to support the testing effort.
- **Train-the-Trainer Training** – Infotech will provide two (2) trainers on-site for four (4) days to conduct a training class for up to sixteen (16) agency trainers, subject matter experts, and support staff who will assist with NDOT's civil rights and labor end-user population.

- **On-Site DBE Training for NDOT Staff** – Infotech will provide resources on site at a NDOT training facility for four (4) days to conduct AASHTOWare Project Civil Rights & Labor DBE training classes for up to sixteen (16) users.

Based on NDOT implementation decisions, the following functionality will be included: Base Percent Goals and On the Job Trainee Goals, Bidder/Quoter, DBE Certification, DBE Commitments, Subcontracts, Subcontract Payments (Prompt Payment), Reporting, and Contract Compliance, including Labor Compliance, CUF Compliance, EEO Compliance, Payroll Management Compliance, Field Interviews, and Compliance Findings.

- **Onsite Labor Training for NDOT Staff** – Infotech will provide resources on site at a NDOT training facility for four (4) days to conduct labor functionality training for AASHTOWare Project Civil Rights & Labor software for up to sixteen (16) users.

Based on NDOT implementation decisions, Infotech will include the following functionality: Wage Decisions, Payrolls, OJT Monitoring and Reporting, and Contract Compliance, including Labor Compliance, CUF Compliance, EEO Compliance, Payroll Management Compliance, Field Interviews, and Compliance Findings.

- **Production Deployment Support** – Infotech will provide resources on site for one (1) four (4)-day trip to ensure all tasks are complete, communications are distributed, and NDOT is ready to go into full production. Infotech will perform Production Deployment Support implementation tasks.
- **Post-Production Support** – NDOT’s preparation for production deployment is a key factor to the success of going into production, as well as having support resources on hand for production support. Infotech resources will be available on site and remotely and will provide post-production support for up to six months following production deployment of the AASHTOWare Project Civil Rights & Labor software.

- **Project Closure** – Infotech will formalize the acceptance of the project and brings it to an orderly conclusion in in the Project Closeout Phase. Infotech will review and document lessons learned, archive project documents, close out contracts, and release team members to work on other assignments.

Services Excluded

- Support and analysis activities for AASHTOWare Project software not specified in the Work Order.
- Services to change any AASHTOWare Project software source code.

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):

1

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

Info Tech, Inc., DBA Infotech

5. Corporate/Business Entity Street Address:

Street Address: 2970 SW 50th Terrace	Website: infotechinc.com
City, State and Zip Code: Gainesville, FL 32608	Point of Contact Name: Carole L. Pickens
Telephone and Fax No. (T)352-381-4400 (F) 888-972-2185	Email: carole.pickens@infotechinc.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)
James T. McClave	CEO	50
Thomas P. Rothrock	CEO	50

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No


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

Yes No

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

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

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, Systems
 Title

Will McClave
 Print Name
 2/12/2021
 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

531-20-040

For Agreement Services Only

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

Initial Budget Request Request for Amendment #: Agreement #:

If Amendment, name of Company:

Project ID #(s): 74155/74079/74153

Type of Services: Construction Engineering S

Originated by: Tonia Andree Division: Construction Date Originated: 1/16/2021

Division Head/District Engineer: Sharon Foerschler

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

Estimated Cost: \$4,567,311.00 Type of Funding: Federal % of Fund: 95.00%

Funding Notes: \$1,019,918 IN FY 2021, \$2,345,000 IN FY 2022, State Fiscal Year(s): 21, 22, 23
\$1,202,393 IN FY 2023

IT Review:

Signature Date

Financial Management:

dspelts 11/17/3920

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 11/17/3920

Signature Date

Director:

Kristina Swallow 11/17/3920

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:

Due to the crew workload, continued vacancies in District II, as well as the project's location in the Tahoe Basin, the Construction Division is requesting approval to proceed with the solicitation to provide qualified staff to augment Crew 911 to ensure the project is delivered in accordance with the plans and specifications.

Scope of Services:

The scope of services includes providing Construction Engineering Services for the Augmentation of Crew 911 for the oversight projects on SR28, SR431, and SR28-Marlette Creek, Project ID's 74155, 74079, and 74153. The estimated duration for these projects is 300 working days.



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

MEMORANDUM

February 9, 2021

TO: Darin Tedford, Deputy Director

FROM: Tonia Andree, Project Manager

SUBJECT: Negotiation Summary for RFP 531-20-040 Construction Engineering Services for Augmentation of Crew 911 for Projects STBG-0028(009), SPF-028-1(027), and SPSR-0431(022) on SR 431 and SR 28 in Washoe County.

A negotiation meeting was held via Microsoft Teams on February 4, 2021, with Mike Glock and Michael Murphy with Diversified Consulting Services, Thor Dyson with Atkins and Bhupinder Sandhu, Rick Bosch, and Tonia Andree of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at Five and four hundredths percent (5.04%).

The duration of this agreement will be for approximately two (2) years, ending on March 31, 2023.

The budgeted amount of this Agreement is comprised of 95% Federal and 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
Mike Glock	Principal Engineer
Michael Murphy	Assistant Resident (P.E)
Gary Boggs	Office Manager
McKenna Temen	PIO
Phil Weidinger	PIO
Jenn Boyd Lemming	PIO

Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Agreement No.
ATKINS	Crew 907 Augmentation – US 50 Widening	P212-18-040
ATKINS	RE Academy/Training Conferences	P373-15-040
ATKINS	Full Administration Contract 3842	P745-19-040
QCTS	Crew 913 Testing Augmentation - SBX	P782-19-040
QCTS	Crew 904 Augmentation – Contract 3845	P390-20-040


The DEPARTMENT's original estimate was \$4,567,311.00 including direct labor and expenses.

The SERVICE PROVIDER's original estimate was \$4,571,630.99 including direct labor and expenses.

The negotiations yielded the following:

1. 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.
2. The Principal Engineer will be allowed to bill up to a total of eight (8) hours per month.
3. Man-hours were adjusted based on the contract scope of work and assumed level of staffing needs.
4. Agreed to hourly rates based on historical data.
5. Requested an Inspector Level III be added to provide additional inspection services as needed during paving operations.
6. The total projected man-hours allocated for this project is 30,787.
7. The total negotiated cost for this Agreement is \$4,566,448.66.

Reviewed and Approved:

DocuSigned by:

59E62CD438AD46A
02/09/2021
Deputy Director

Attachment A

CONSTRUCTION CREW 911 AUGMENTATION FOR PROJECTS STBG-0028(009), SPF-028-1(027), AND SPSR-0431(022) ON SR 431 AND SR 28 IN WASHOE COUNTY

SCOPE OF SERVICES

The SERVICE PROVIDER agrees to perform professional and technical engineering services to ensure that the construction of Projects STBG-0028(009), SPF-028-1(027), SPSR-0431(022), SR 431/SR 28 Pavement Preservation, Water Quality Improvements, Erosion Control, ADA Improvements, in Washoe County are accomplished in conformance with the plans, specifications, and all other contract documents.

The SERVICE PROVIDER shall provide up to one (1) Principal Engineer to act as Project Manager, one (1) Assistant Resident Engineer, one (1) Office Manager, one (1) Public Information Officer, one (1) fully equipped two-person survey crew, four (4) Inspector level IV, one (1) inspector level III, two (2) Testers, nuclear gauges as needed, trucks, iPads, and cell phones. The Assistant Resident Engineer, Office Manager, and Public Information Officer are considered "key personnel" for this augmentation. 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.

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.

INSTRUCTIONS FOR COMPLETING THE DISCLOSURE OF OWNERSHIP/PRINCIPALS FORM

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

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

Detailed Instructions

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

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

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

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

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

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

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

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

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

DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Business Entity Type (Please select one)

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

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

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

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

DIVERSIFIED CONSULTING SERVICES

5. Corporate/Business Entity Street Address:

Street Address: 6490 S. M,CCARRAN BLVD., BLDG D1-#31	Website: WWW.DCSNV.COM
City, State and Zip Code: RENO, NV 89509	Point of Contact Name: MIKE GLOCK, PE, DCS PRESIDENT
Telephone and Fax No. 775-829-8383 775-829-2209	Email: MGLOCK@DCSNV.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)
MIKE GLOCK, P.E.	President	25
MICHAEL JOHNSON, P.E.	Vice President	25
JEFFREY RADKE, P.E.	Treasurer	25
CHAD MCDERMOTT, P.E.	Director	25

^{DS}


^{DS}


^{DS}


^{DS}


*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

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.

<p><small>DocuSigned by:</small> <i>Mike Glock</i></p>	<p>MIKE GLOCK</p>
<p><small>B82893585C5B439...</small> Signature</p>	<p>Print Name</p>
<p>PRESIDENT,DCS</p>	<p>2/10/2021</p>
<p>Title</p>	<p>Date</p>

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

542-19-816Amd1

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 #: P542-19-816

If Amendment, name of Company: Kimley-Horn and Associates, Inc.

Project ID #(s): 74260OTH

Type of Services: Engineering

Originated by: Jaime Tuddao Division: Traffic Safety Engineering Date Originated: 1/20/2021

Division Head/District Engineer: Fred Shakal

Budget Category #: 06 Object #: 814P Organization #: C816

Estimated Cost: Type of Funding: Federal % of Fund: 95

Funding Notes: Total Amendment Cost = \$377,351.00 (95% Federal Aid = \$358,483.00; 5% State funding = \$18,868.00)
FY - 21 = \$208,127.00 (95% Federal Aid = \$197,721.00; 5% State funding = \$10,406.00)
FY - 22 = \$140,527.00 (95% Federal Aid = \$133,501.00)

IT Review:

Signature Date

Financial Management:

Kristen Greenhut 2/13/2021

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 2/17/2021

Signature Date

Director:

Kristina Swallow 2/17/2021

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:

To continue finding effective traffic safety strategies, a new direction by NDOT Director Swallow and the Nevada Executive Committee on Traffic Safety (NECTS) to take more focus and prioritize activities to be more aggressive toward the elimination of fatalities and serious injuries on Nevada roadways. This new direction will require restructuring the Strategic Highway Safety Plan (SHSP) implementation and Speed Management Action Plan. Please see ATTACHMENT 1

Scope of Services:

Speed Management Action Plan (Please see ATTACHMENT 1A from ATTACHMENT 1 for detailed Scope of Services). The Speed Management Action Plan is intended to characterize Nevada's speeding-related safety problems and speed management issues, identify appropriate engineering, enforcement, and educational countermeasures and strategies, and outline actions the State and other partners can take to implement strategies to reduce speeding and speeding-related fatal and injury crashes.

Restructuring SHSP Implementation (Please see ATTACHMENT 1B from ATTACHMENT 1 for detailed Scope of Services). Restructuring of SHSP is to improve the collaboration and effectiveness of implementation through the grouping of related critical emphasis areas into Key Areas which are Safer Roads, Safer Vulnerable Road Users, Safer Drivers and Passengers, and Impaired Driving Prevention.



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

MEMORANDUM

February 1, 2021

TO: Sondra Rosenberg, Assistant Director Planning
FROM: Fred Shakal, Chief Traffic Safety Engineer DocuSigned by:
Fred Shakal
711F2B630BAF415...
SUBJECT: Summary of Amendment 1 to Master Service Agreement P542-19-816, Nevada Strategic Highway Safety Plan

The Department is seeking to amend Master Service Agreement P542-19-816 to take more focus and prioritize activities to be more aggressive toward the elimination of fatalities and serious injuries on Nevada roadways. This will require restructuring the Nevada Strategic Highway Safety Plan (SHSP) implementation to include the following:

- Addressing speed through the development of a Speed Management Plan with guidance on the creation of the speed limit policy that will be applied and followed by roadway designers, planners, and better understanding of setting speeds, including meetings for practitioner outreach (see Attachment 1A for the Scope of Services).
- Additional support for restructuring of SHSP implementation to improve collaboration and effectiveness of implementation through the grouping of related critical emphasis areas into key areas (see Attachment 1B for the Scope of Services). Development of an online SHSP action item tracking tool to improve the effectiveness of SHSP tracking.

The current Master Service Agreement P542-19-816 total cost of the services for all Task Orders is \$2,000,000.00. It is programmed for FY 20-23. The amendment budgeted amount is \$377,351.00 (95% Federal Aid/5% State Funding). Therefore, Master Service Agreement P542-19-816 cost will be increased from \$2,000,000.00 to \$2,377,351.00.

During the Request for Proposal course in 2019, Kimley-Horn and Associates (with an office address at 6671 Las Vegas Boulevard South, Ste. 320, Las Vegas, Nevada 89119) was selected and entered into a Master Service Agreement P542-19-816.

The Master Service Agreement P542-19-816 started on January 23, 2020. The agreement termination date is June 30, 2023.


There are five (5) established Task Order Agreements:

Task Order 1 Oversight and Promotion

- Task Order 2 Critical Emphasis Area and Traffic Records Coordination Committee Facilitation and Data Analysis
- Task Order 3 Nevada Executive Committee on Traffic Safety
- Task Order 4 Traffic Safety Summit and Annual Awards
- Task Order 5 Coordination with NDOT relevant Divisions and Department of Public Safety, Office of Traffic Safety, and other SHSP partners

Terms of negotiations will be determined at the time of amending the appropriate Task Orders.

Reviewed and Approved:

DocuSigned by:

 895F72355AF94F2...

02/09/2021

Sondra Rosenberg, Assistant Director Planning

ATTACHMENT 1

JUSTIFICATION

PROPOSED AMENDMENT NO. 1 TO AGREEMENT P542-19-816

NEVADA STRATEGIC HIGHWAY SAFETY PLAN

BACKGROUND:

The purpose of the Nevada Strategic Highway Safety Plan (SHSP) is to be a statewide data-driven traffic safety plan which is required by the Highway Safety Improvement Program (HSIP) (23 U.S.C. § 148) that coordinates the efforts of traffic safety partners across the state working together to eliminate the road user fatalities and serious injuries on Nevada roadways. Efforts to develop Nevada's SHSP began in 2004 and identified five Critical Emphasis Areas (CEAs) by safety partners at the 2004 Traffic Safety Summit in Nevada. These five CEAs included: making walking and street crossing safer (Pedestrians); reducing impaired driving (Impaired Driving); increasing seat belt usage (Seat Belts); improving the design and operation of highway intersections (Intersections); and keeping vehicles on the roadway (Lane Departures). In 2005, it added and supported the activities of the Nevada Executive Committee on Traffic Safety (NECTS). In 2010, Nevada adopted the "Zero Fatalities" goal, consistent with the national Toward Zero Deaths strategy sponsored by the Federal Highway Administration (FHWA), the National Highway Traffic Safety Administration (NHTSA), the American Association of State Highway and Transportation Officials (AASHTO), and the Governors Highway Safety Association (GHSA).

In 2014, the SHSP was amended to incorporate the Special User Groups of bicyclists, pedestrians, motorcyclists, younger road users, and older road users into all CEAs and add Emergency Responders and Traffic Incident Management to Emergency Medical Services. In addition, the NECTS approved the sixth CEA—Motorcycles—due to the increasing trends in motorcycle fatalities and serious injuries both in Nevada and on a national level. Young Drivers was adopted as the seventh CEA in 2017.

JUSTIFICATION:

To continue finding effective traffic safety strategies, a new direction by NDOT Director Swallow and the NECTS to take more focus and prioritize activities to be more aggressive toward the elimination of fatalities and serious injuries on Nevada roadways. This new direction will require restructuring the SHSP implementation (as shown in the Revised SHSP Organizational Structure) to include the following:

- Addressing speed through the development of a Speed Management Plan with guidance on the creation of the speed limit policy that will be applied and followed by roadway designers, planners, and better understanding of setting speeds, including materials and meetings for practitioner outreach (Please see Attachment 1A for the Scope of Services).

- Additional support for restructuring of SHSP implementation to improve collaboration and effectiveness of implementation through the grouping of related critical emphasis areas into Key Areas as shown in the exhibits below of the revised and previous organizational structure (Please see Attachment 1B for the Scope of Services). Development of an online SHSP action item tracking tool to improve the effectiveness of SHSP tracking.

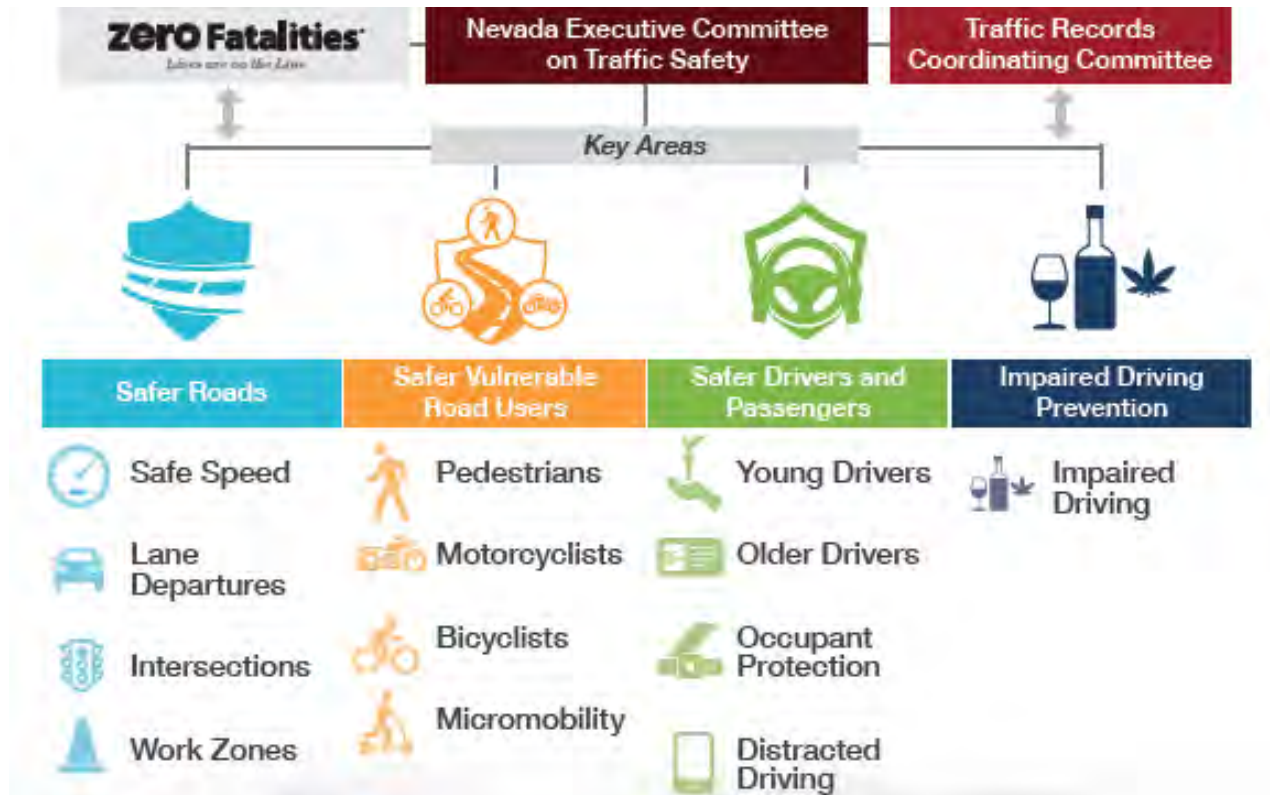
FUNDING:

This proposed amendment requires an additional \$377,351.00 for the following:

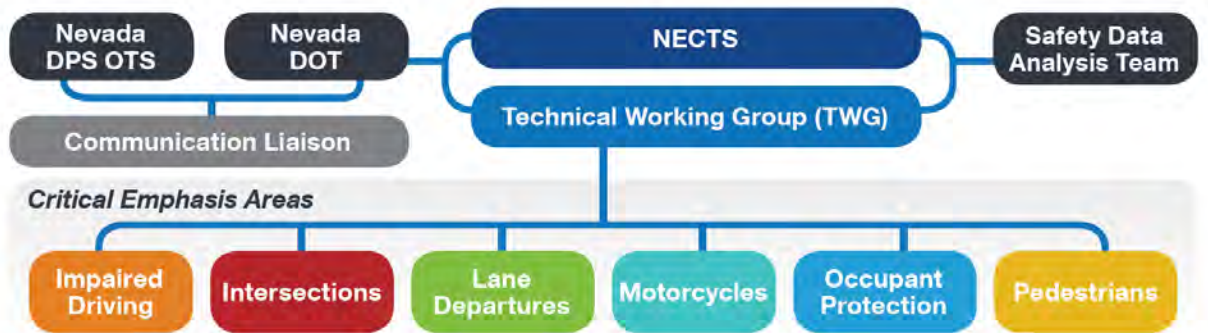
- Speed management with creation of Speed Limit Policy \$248,511.00
 - Restructuring the SHSP implementation \$128,840.00
- Total = \$377,351.00**

Agreement P542-19-816 will be amended to increase cost from **\$2,000,000.00** to **\$2,377,351.00** for a four-year agreement duration from FY 20 to 23.

Revised - SHSP Organizational Structure 2021-2025 SHSP



Previous - SHSP Organizational Structure 2016-2020 SHSP



ATTACHMENT 1A

NDOT Speed Management Action Plan and Speed Limit Policy Scope of Services

Background:

This Speed Management Action Plan is intended to characterize Nevada's speeding-related safety problems and speed management issues, identify appropriate engineering, enforcement, and educational countermeasures and strategies, and outline actions the State and other partners can take to implement strategies to reduce speeding and speeding-related fatal and injury crashes. This Plan will facilitate coordination and cooperation among various agency stakeholders including road planners, designers and managers, enforcement officials, public health practitioners, and policy-makers to implement a sustainable speed management program, and to target the most cost-effective and feasible countermeasures where they will have the greatest safety benefits.

In addition to the development of a Speed Management Action Plan, a Speed Limit Policy will be developed for the DEPARTMENT. This is anticipated to include guidelines for what the speed limit should be for a road based on the type of road, functional classification, and use, as well as how the DEPARTMENT conducts speed studies and makes recommendations for existing facilities.

Task 1: Project Management

The SERVICE PROVIDER will be responsible for all project management duties and activities required for successful completion of the project and will submit monthly progress reports with the monthly invoices to the DEPARTMENT's Project Manager (PM). Twelve (12) monthly invoices and progress reports are included under this task.

The SERVICE PROVIDER will prepare for and attend a one-hour kick-off meeting with the DEPARTMENT's PM. During the kick-off meeting, the SERVICE PROVIDER will review key dates, discuss roles, and review the overall scope and schedule for the scope of services.

The SERVICE PROVIDER will conduct one-hour project status meetings with the DEPARTMENT's PM and other project stakeholders (identified by the DEPARTMENT's PM) to address project progress. These meetings will occur monthly. The SERVICE PROVIDER will prepare a meeting agenda and meeting summary of the meetings. (11 meetings total.)

The SERVICE PROVIDER will prepare a schedule depicting the tasks, meetings, milestones, and deliverables.

The SERVICE PROVIDER will conduct general project management and oversight of all tasks and deliverables. The SERVICE PROVIDER will coordinate internally with the project team to discuss schedule, progress, and status of activities and deliverables, as well as coordination of deliverable review.

Deliverables:

- 12 invoices and progress reports

- Kick-off meeting
- 11 monthly meetings
- Project schedule
- Internal coordination

Task 2: Data Analysis/Gather Background Information

The SERVICE PROVIDER will obtain the most recent five years of crash data from the DEPARTMENT. The DEPARTMENT will provide latitude and longitude coordinates for the crash data. The SERVICE PROVIDER will provide a tabular summary of speed-related crashes. The following tabular summaries will be prepared:

- All crashes and speed-related crashes
- Societal cost of speed-related crashes
- All fatalities and speed-related fatalities
- All fatalities and serious injuries and speed-related fatalities and serious injuries
- Urban and rural split of all speed-related crashes and fatalities and serious injuries
- Ratio of speed-related fatalities and serious injuries by posted speed limit (if posted speed limit data is available in GIS or in the crash report)
- Ratio of speed-related fatalities and serious injuries by functional classification (if functional classification data is available in GIS)
- Roadway departure curve speed-related fatalities and serious injuries (if horizontal curve is available in GIS or in the crash database)
- Roadway departure segment speed-related fatalities and serious injuries (if segment is available in GIS or in the crash database)
- Intersection speed-related fatalities and serious injuries
- Pedestrian/bicycle speed-related fatalities and serious injuries
- Motorcycle speed-related fatalities and serious injuries
- Impaired speed-related fatalities and serious injuries
- Unrestrained speed-related fatalities and serious injuries
- Speed-related citations (note: citations are not available spatially, and will be summarized based on available data)

The DEPARTMENT will provide the SERVICE PROVIDER with locations where speed studies have been conducted and speed limits have been raised. The SERVICE PROVIDER will recommend five locations for crash analysis. Based on preliminary information provided to the SERVICE PROVIDER, it is anticipated that approximately five locations will have before and after data to conduct an analysis. The five locations will be approved by the DEPARTMENT's PM prior to conducting analysis. The SERVICE PROVIDER will review up to five locations where the DEPARTMENT has raised speed limits based on a previous speed study. The SERVICE PROVIDER will summarize crashes for three years before and three years after the implementation of the change in speed limit. The following tabular summaries will be prepared for each corridor:

- Total crash rate prior and after speed limit change
- Fatal and serious injury crash rate prior and after speed limit change

- Speed-related crash rate prior and after speed limit change
- Fatal and serious injury speed-related crash rate prior and after the speed limit change

The SERVICE PROVIDER will review Nevada Revised Statutes (NRS) 484A.430 Adoption of manual and specifications for devices for control of traffic by Department of Transportation and 484B – Rules of the Road, and the Manual on Uniform Traffic Control Devices (MUTCD) applicable to speed setting policies. The SERVICE PROVIDER will determine modifications that may need to be changed with respect to NRS. The SERVICE PROVIDER is not responsible for implementing changes to NRS or developing Bill Draft Requests (BDR) or other support for modifications to NRS. Support for BDRs or modifications to NRS could be provided under Task 8.

The SERVICE PROVIDER will review up to five (5) DEPARTMENT documents relating to current speed limit setting policies, speed limit studies and variable speed limits. The documents will be agreed upon with the DEPARTMENT prior to review. The SERVICE PROVIDER will determine modifications that may need to be changed to policies on setting speed limits.

The SERVICE PROVIDER will review up to ten (10) documents relating to other state's speed limit setting policies or Speed Management Action Plans. The documents will be agreed upon with the DEPARTMENT prior to review.

The SERVICE PROVIDER will coordinate with the Nevada Highway Patrol (NHP) to determine what is currently being done to manage speed or address speed that can be incorporated into the Action Plan. Nine (9) hours are anticipated under this task.

Deliverables:

- Tabular summary of crashes
- Before and after summary table of five locations where speed limits have been increased
- Review of NRS and MUTCD applicable to speed setting policies
- Review current speed limit setting policies, speed limit studies, or variable speed limits, etc. (up to five (5) documents)
- Develop recommendations or modifications to policies on setting speed limits or speed limit studies to be discussed with stakeholders under Task 7.2.
- Coordination with NHP (9 hours)

Task 3: Action, Strategies, and Countermeasures

The SERVICE PROVIDER will develop actions, strategies, and countermeasures based on the results of the data analysis. The FHWA *Speed Management Action Plan Template Problem Identification, Solutions, Implementation, Evaluation* and *Speed Management Toolkit* will be referenced for potential actions, strategies, and countermeasures relevant to the issues determined from the crash data analysis for Nevada. A tabular summary of potential actions, strategies, and countermeasures will be prepared for Nevada.

Deliverables:

- Tabular summary of potential actions, strategies, and countermeasures

Task 4: Stakeholder Workshop

The SERVICE PROVIDER will prepare for and facilitate a 6-hour workshop covering the following topics:

- Problem identification
- Existing speed management policies
- Crash data
- Speed as it relates to the SHSP Emphasis Areas
- Implementation plan input

It is anticipated that the workshop will be split into three 2-hour sessions. The SERVICE PROVIDER will coordinate with the DEPARTMENT's PM to determine potential invitees. It is anticipated that representatives from the following will be invited to the workshop:

- NDOT District 1
- NDOT District 2
- NDOT District 3
- NDOT (Engineering - Design, Operations – Traffic Operations, Scoping, Planning, Operations - Constructability)
- RTC Washoe County (local agencies will be invited to attend)
- RTC Southern Nevada (local agencies will be invited to attend)
- Carson Area Metropolitan Planning Area (CAMPO)
- Tahoe Metropolitan Planning Organization
- NHP
- Local law enforcement

A Doodle Poll will be distributed to determine the most convenient dates and times for the workshop. The SERVICE PROVIDER will prepare notes from the workshop and conduct additional follow-up with attendees, if needed (10 conference calls at 0.5 hours each).

Deliverables:

- Workshop materials
- Coordination of workshop dates/times
- 6-hour workshop
- Workshop notes
- Potential follow-up with attendees (10 conference calls at 0.5 hours each)

Task 5: Implementation Plan Summary

Based on the results of the workshop, the SERVICE PROVIDER will prepare a summary of the implementation plan for review by the DEPARTMENT's PM. The DEPARTMENT's PM will provide written comments that will be incorporated into the Draft Speed Management Plan.

Deliverable:

- Implementation plan summary

Task 6: Speed Management Action Plan

Task 6.1: Draft Speed Management Plan

The SERVICE PROVIDER will prepare a draft Speed Management Action Plan. The FHWA *Speed Management Action Plan Template* will be utilized as a basis for the Speed Management Action Plan. The draft Speed Management Action Plan will undergo a QA/QC review prior to submittal to the DEPARTMENT. The DEPARTMENT will provide written comments on the draft Speed Management Action Plan. The draft Speed Management Action Plan is anticipated to include the following sections:

- Executive Summary
- Background/Introduction
- Crash Analysis
- Existing policy summary
- Potential actions and strategies
- Actions and strategies chosen for implementation
- Next steps
- Appendices (as applicable)

Deliverable:

- Draft Speed Management Action Plan including all appendices (in PDF format)

Task 6.2: Draft Final Speed Management Action Plan

Following the completion of the Draft Speed Management Action Plan, the SERVICE PROVIDER will present the draft Speed Management Action Plan to the DEPARTMENT's PM. The SERVICE PROVIDER will address written comments received from the DEPARTMENT's PM. The SERVICE PROVIDER will update the draft Speed Management Action Plan to incorporate written comments from the DEPARTMENT's PM. The revised Speed Management Action Plan will undergo a QA/QC review prior to submittal. It is anticipated that representatives identified under Task 4 will be provided an opportunity to comment on the Draft Final Speed Management Action Plan.

Deliverables:

- Comment resolution matrix
- Address one round of written comments
- Draft final Speed Management Action Plan including all appendices (in PDF format) for DEPARTMENT and stakeholder review

Task 6.3: Final Speed Management Action Plan

The SERVICE PROVIDER will address written comments received from the DEPARTMENT's PM and project stakeholders. The SERVICE PROVIDER will update the draft final Speed Management Action Plan to incorporate written comments from the DEPARTMENT's PM and project stakeholders. The final Speed Management Action Plan will undergo a QA/QC review prior to final submission.

Deliverables:

- Comment resolution matrix
- Address one round of written comments
- Final Speed Management Action Plan

Task 7: Speed Limit Policy

The purpose of the Speed Limit Policy is to identify the DEPARTMENT's policy on setting speed limits throughout the state. This is anticipated to include guidelines for what the speed limit should be for a road based on the type of road, functional classification, and use, as well as how the DEPARTMENT conducts speed studies and makes recommendations for existing facilities.

Task 7.1: Document Review

The SERVICE PROVIDER will review up to five (5) national documents relating to speed limit setting. The documents could include USLIMITS2, NACTO City Limits an Innovative Framework to Set Safe Speed Limits on City Streets, or other DOT speed limit setting policies. The documents will be agreed upon with the DEPARTMENT prior to review.

The SERVICE PROVIDER will review up to five (5) documents relating to countermeasures to reduce speeds on existing roadways. The documents will be agreed upon with the DEPARTMENT prior to review.

The SERVICE PROVIDER will review up to five (5) documents relating to when/how to conduct speed studies. The documents will be agreed upon with the DEPARTMENT prior to review.

The SERVICE PROVIDER will review the DEPARTMENT's variable speed limit Con-Ops documentation. It is important to note that changes to the Con-Ops will not be recommended as part of this policy. The existing practices will only be documented and referenced.

Deliverables:

- A summary of relevant information will be included within the NDOT Speed Limit Policy

Task 7.2: Agency and NDOT Stakeholder Outreach

The SERVICE PROVIDER will schedule, prepare agendas, attend, and develop meeting minutes for one meeting with each of the following groups (13 total meetings):

- NDOT District 1
- NDOT District 2
- NDOT District 3
- Up to five NDOT internal meetings (Engineering - Design, Operations – Traffic Operations, Scoping, Planning, Operations - Constructability)
- RTC Washoe County (local agencies will be invited to attend)

- RTC Southern Nevada (local agencies will be invited to attend)
- Carson Area Metropolitan Planning Area (CAMPO)
- Tahoe Metropolitan Planning Organization
- NHP and law enforcement

Deliverables:

- 13 agendas and meeting minutes

Task 7.3: Draft Speed Limit Policy

The SERVICE PROVIDER will prepare the draft Speed Limit Policy. The DEPARTMENT will provide written comments on the draft Speed Limit Policy. The draft Speed Limit Policy is anticipated to contain the following components:

- A vision statements
- Goals and objectives
- Statuary speed limits (if defined in NRS)
- Altered speed limit recommendations based on type of road, functional classification, and use
- Application of the policy (considered for both new and retrofit projects)
- Identification of geometric features to add to roadways to reduce speeds
- Summary of the Variable Speed Limit policy already in place by the DEPARTMENT
- Process to handle exceptions to the Policy

Deliverables:

- Submit draft Speed Limit Policy to the DEPARTMENT's PM for review
- Address DEPARTMENT's Comments and submit revised draft Speed Limit Policy to stakeholders

Task 7.4: Draft Policy Review Meetings

The SERVICE PROVIDER will conduct three (3) draft policy review meetings with project stakeholders to gather their input on the draft Speed Limit Policy. A Doodle Poll will be conducted to determine preferred meeting dates. Stakeholders can choose which meeting to attend based on availability. The SERVICE PROVIDER will prepare a comment resolution form based on comments received in the meetings. The SERVICE PROVIDER will review the comment resolution form with the DEPARTMENT's PM.

Deliverables:

- Agenda (same for all three (3) meetings)
- Comment resolution form

Task 7.5: Develop Final Speed Limit Policy and Submit to DEPARTMENT

After addressing the comments on the comment resolution form for the draft Speed Limit Policy, the SERVICE PROVIDER will submit the final Speed Limit Policy to the DEPARTMENT's PM in accordance with the schedule agreed upon between the DEPARTMENT and SERVICE PROVIDER.

Deliverables:

- One (1) PDF of the final Speed Management Policy

Task 8: Implementation Support (Upon Direction from DEPARTMENT's PM)

Under this task, the SERVICE PROVIDER will provide implementation support. The exact scope of this task has not been defined, but could include items below:

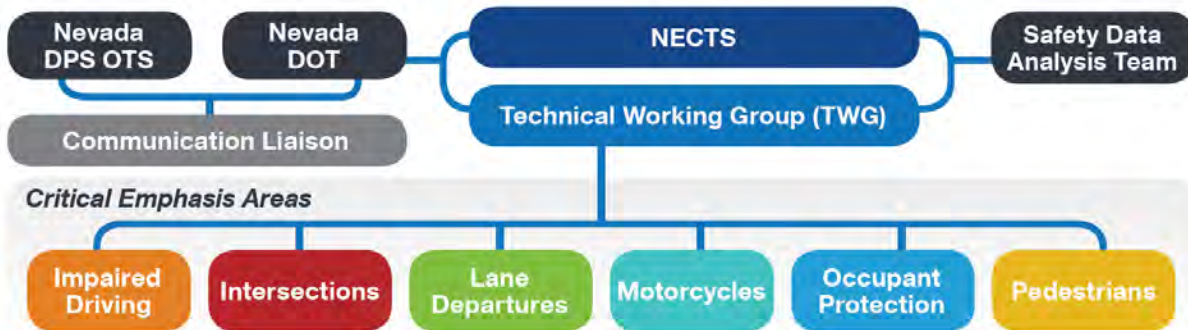
- Conducting on-going implementation meetings with stakeholders (coordination of meeting date/time, agenda preparation, note preparation, tracking progress on implementation tasks)
- Aid with helping to make progress towards or completing actions and/or strategies defined in the plan
- Additional speed-related crash data analysis
- Support for BDRs or proposed modification to applicable NRS text to support new speed limit policies
- Additional workshops, stakeholder coordination, or outreach

ATTACHMENT 1B SCOPE OF SERVICES

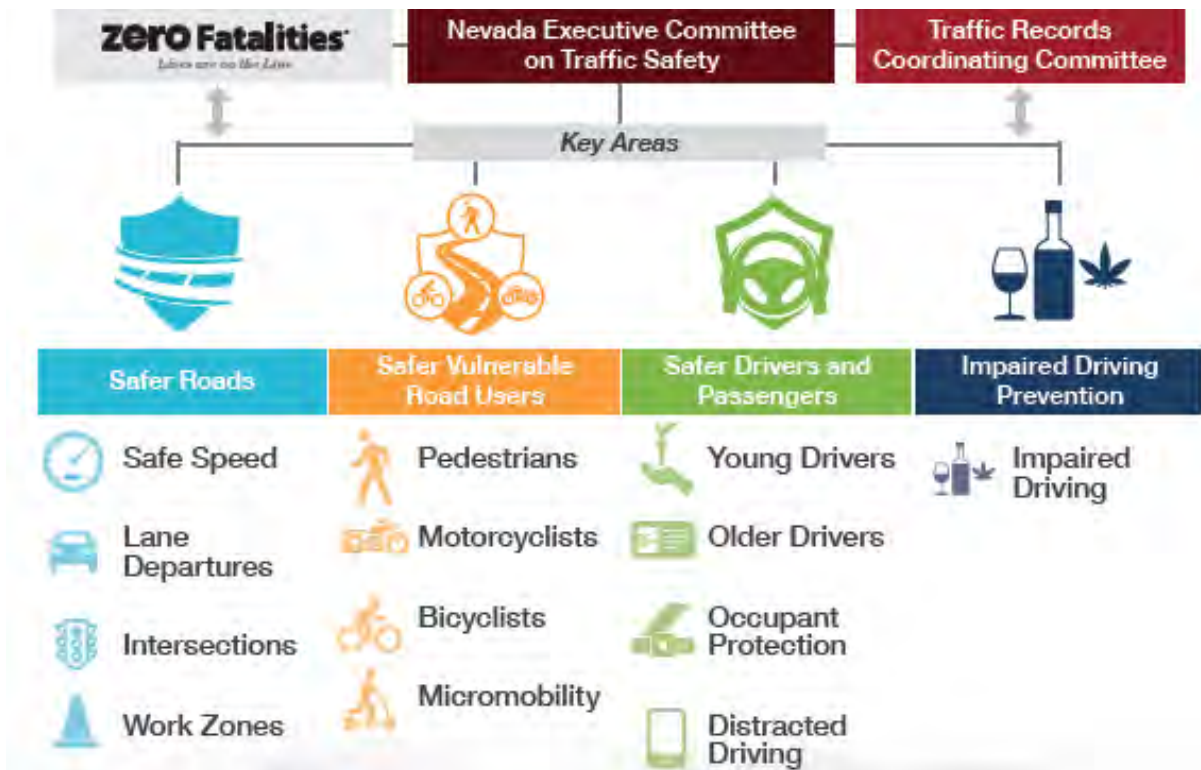
RESTRUCTURING THE NEVADA STRATEGIC HIGHWAY SAFETY PLAN

BACKGROUND:

The existing support to the Nevada Strategic Highway Safety Plan (SHSP) is based on the following SHSP organizational structure with 7 Critical Emphasis Areas (CEAs)



The amendment revises this support for the CEAs as shown in the following organizational structure:



The SERVICE PROVIDER will maintain the overall tasks with restructuring of the CEAs with the 2021-2025 SHSP Update. The overall SHSP safety partners' involvement process facilitating the CEAs and the TRCC to effectively implement the strategies and actions within Nevada's SHSP and the directives of the Nevada Executive Committee on Traffic Safety (NECTS) and the goal of Zero Fatalities in Nevada. It is critical that SHSP strategies are data driven and that the effectiveness of strategies is monitored.

The SERVICE PROVIDER will facilitate three (3) new emphasis area task forces and track action step progress for the following:

1. Safe Speed
2. Older Drivers
3. Pedestrians

The Intersections and Pedestrians CEA team meetings were previously held jointly and are now separate task forces, so Pedestrians was included in the list of "new" scope items.

A. Facilitate Task Forces

The SERVICE PROVIDER will provide additional facilitation and engineering technical expertise for the new team meetings in order to:

- a. Obtain input from CEA Vice-Chair on agendas, and contribute to preparation of agenda for quarterly key area task force meeting
- b. Facilitate meetings and prepare minutes for quarterly meetings
- c. Identify key action items for each CEA team and provide engineering analysis as required to assist the CEA Task Force with appropriate safety strategies.
- d. Hold interim meeting with CEA Vice-Chair and action step leaders and review additional members to invite quarterly
- e. Coordinate with related meetings
- f. Champion development of new strategies
- g. Facilitate development of legislative advisory opinions from each CEA
- h. Ensure performance measures for each CEA and its corresponding strategies are in place and tracked
- i. Prepare quarterly reports on progress and document challenges and opportunities
- j. Provide/update list of known and adapted strategies that were developed by each CEA Task Force team applicable on Nevada roadways

Chair/Vice Chair Leadership Meetings

The SERVICE PROVIDER will prepare for and host quarterly meetings with all of the key area task force chairs and critical emphasis area vice-chairs. Meetings will focus on leadership guidance, how to host successful meetings, updates on data, campaigns, and legislative items that impact leadership.

Develop Online Action Tracking Tool

The SERVICE PROVIDER will develop and host a username/password protected online tracking tool for SHSP action item tracking that includes the following characteristics:

- Landing page for users to login
- Dashboard page listing all 9 critical emphasis areas grouped by key area, their status of actions by: cancelled, not started; early progress; underway; substantial progress; or completed; as well as updated date; summary of all actions at each phase of completion, and a timeline chart of completed actions versus estimated completion date.
- Critical emphasis area pages that list the name and email address of co-leads, action leads and all team members. Buttons to request a change of membership and to generate an email to the critical emphasis area team. Action leads or the Chair or Vice-Chair will have the ability to update the status and upload reference documentation.
- A Documents page that includes a subpage and documentation for each critical emphasis area.
- A Reports Page that allows for the creation of custom reports for individual or a group of critical emphasis areas, or those lead by a particular agency, or those at a particular completion status
- A Resources Page that allows for reference and template documents to be uploaded and available for users to view or download.

Deliverables:

- Support documents for SHSP strategy execution
- Quarterly CEA Team Tracking Sheet updates and Progress Reports
- List of known and adapted strategies applicable on Nevada roadways
- Prepare quarterly reports on progress and document challenges and opportunities
- Hosted online action tracking tool within two months of approval of SHSP action items

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): 67

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 St.	Website: www.kimley-horn.com
City, State and Zip Code: Releigh, NC 27601	Point of Contact Name: Mindy Zeni
Telephone and Fax No. 919-678-2141	Email: Mindy.Zeni@kimley-Horn.com

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

Street Address: 6671 S. Las Vegas Blvd., Ste 320	Website: www.kimley-horn.com
City, State and Zip Code: Las Vegas, NV 89119	Point of Contact Name: Michael Colety
Local Telephone and Fax No. 702-862-3609	Email: Mike.Colety@kimley-horn.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
Jody Belsick	Ryan Belsick - Principal Engineer	Spouse	Public Works

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 Kenneth W. Ackeret
DN: C=US, E=ken.ackeret@kimley-horn.com,
O=Kimley-Horn & Associates, Inc., CN=Kenneth W.
Ackeret
Date: 2021.02.17 16:41:51-08'00'
Kenneth W. Ackeret

Kenneth W. Ackeret

Signature
Principal

Print Name
2/17/2021

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

Kimley-Horn and Associates, Inc.
Disclosure of Ownership/Principals – Continuation

List of APHC, Inc. Shareholders with 1% or more ownership:

NAME & TITLE	BUSINESS ADDRESS	BUSINESS PHONE
Brooks H. Peed, Chairman	445 24th Street, Suite 200, Vero Beach, FL 23960	919-677-2000
John C. Atz, President & CEO	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Mark S. Wilson, Chairman Emeritus	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Christopher A. Squires, Shareholder	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916-858-5800
Michael G. Schiller, Shareholder	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	919-677-2000
Barry L. Barber, Shareholder	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Terence T. Murphy, Shareholder	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Roy Russell Barnes, III, Shareholder	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Jon E. Wilson, Shareholder	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Howard Dean Penny, Shareholder	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
James R. Hall, Shareholder	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Steven E. Lefton, Shareholder	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Richard R. Rohrbaugh, Shareholder	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Kevin S. Gaskey, Shareholder	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Roderick P. Swindler, Shareholder	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Ahmad A. Omais, Shareholder	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	919-677-2000
Derrick B. Cave, Shareholder	445 24th Street, Suite 200, Vero Beach, FL 23960	919-677-2000

List of Kimley-Horn and Associates, Inc. Officers and Directors:

NAME	TITLE	BUSINESS ADDRESS	BUSINESS PHONE
John C. At	President/CEO/Director	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Richard N. Coo	Senior Vice President/Secretary	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
David L. McEntee	Vice President/Treasurer/Asst Secretary	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Brooks H. Peed	Executive Vice President/Chairman	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
Barry L. Barber	Executive Vice President/Director	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Derrick B. Cave	Senior Vice President/Director	445 24th Street, Suite 200, Vero Beach, FL 23960	919-677-2000
Jame R. Hall	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Nichole M. Kerry	Senior Vice President/Director	660 South Figueroa Street, Suite 1040, Los Angeles, CA 90017	213-261-4040
Steven E. Lefton	Senior Vice President/Director	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Emmeline F. Montanye	Senior Vice President/Director	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Terence T. Murphy	Executive Vice President/Director	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
H. Dean Penny	Senior Vice President/Director	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Michael G. Schiller	Executive Vice President/Director	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	919-677-2000
Christopher A. Squires	Senior Vice President/Director	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916-858-5800
G. Bradbury Tribble	Senior Vice President/Director	2201 West Royal Lane, Suite 275, Irving, TX 75063	214-420-5600
Frank G. Abbott	Senior Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
Kenneth W. Ackeref	Senior Vice President	6671 Las Vegas Boulevard South, Suite 320, Las Vegas, NV 89119	702-862-3600
Richard C. Adams	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000

Darren J. Adrian	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Kevin G. Aguigui	Vice President	1300 Clay Street, Suite 325, Oakland, CA 94512	510-625-071
Shannon R. Ahartz	Vice President	6671 Las Vegas Boulevard South, Suite 320, Las Vegas, NV 89119	702-862-3600
Mudassar M. Alam	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
Jeffrey B. Allen	Vice President	100 West San Fernando Street, Suite 250, San Jose, CA 95113	669-800-4130
L. Nathan Ante	Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214-420-5600
Dean M. Antony	Vice President	1001 Warrenville Road, Suite 350, Lisle, IL 60532	630-487-5550
John R. Atkins	Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Burt L. Baldo-Campbell	Senior Vice President	355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134	305-673-2025
Christopher G. Barber	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Robert W. Barkley	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Matthew T. Barlow	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
R. Russell Barnes	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Richard R. Barr	Senior Vice President	2615 Centennial Boulevard, Suite 102, Tallahassee, FL 32308	850-553-3500
Julie K. Beauvais	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Chad M. Becker	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
John F. Benditz	Senior Vice President	214 Oceanside Drive, Nashville, TN 37204	615-564-2701
Mark C. Bishop	Senior Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Peter A. Bishop	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Stephen W. Blakley	Senior Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Brian C. Boecker	Vice President	10814 Jollyville Road, Campus IV, Suite 300, Austin, TX 78759	512-418-1771
Christopher O. Bostic	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Ramon F. Breton	Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Brian J. Brewer	Vice President	1700 Willow Lawn Drive, Suite 200, Richmond, VA 233230	804-673-3882
Brit A. Brignon	Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
Dana A. Brown	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Aaron E. Buchler	Senior Vice President	355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134	305-673-2025
Kelly B. Bulloch	Vice President	116 South Kentucky Avenue, Lakeland, FL 33801	863-701-8702
Thomas F. Burchett	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Lisa M. Burgess	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Tricia L. Buritica	Senior Vice President	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916-858-5800
Leon F. Burkett	Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Gregory B. Burns	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
L. Dennis Burns	Regional Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Richard V. Busche	Senior Vice President	101 East Silver Springs Boulevard, Suite 400, Ocala, FL 3447	352-438-3000
Michael N. Byrd	Executive Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Gail M. Callaway	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
David C. Campbell	Senior Vice President	355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134	305-673-2025
Jill A. Capelli	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
L. Michael Carey	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
Erica V. Carter	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Jason W. Castillo	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500

Jon S. Chambers	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
James T. Chavers	Senior Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Michael Choi	Vice President	660 South Figueroa Street, Suite 1040, Los Angeles, CA 90017	213-261-4040
Gary M. Christensen	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Rajesh S. Christian	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Serine A. Ciandella	Senior Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Adam P. Cochran	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Michael D. Colety	Senior Vice President	6671 Las Vegas Boulevard South, Suite 320, Las Vegas, NV 89119	702-862-3600
Julio A. Collier	Vice President	355 Alhambra Circle, Suite 1400, Coral Gables, FL 33134	305-673-2025
Jon M. Collins	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
James F. Collins	Senior Vice President	6750 Poplar Avenue, Suite 600, Memphis, TN 38138	901-374-9109
Scott W. Colvin	Senior Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	757-213-8600
John R. Conrad	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Thomas G. Coppin	Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
Fred C. Corey	Senior Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Paul B. Danielson	Senior Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Neil T. Deans	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Michael L. Delmarter	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
E.C. Demeter	Vice President	445 24th Street, Suite 200, Vero Beach, FL 32960	772-794-4100
Gil C. Devera	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Carl T. DeZee	Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Mark W. Dunzo	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Randal R. Durrenberger	Senior Vice President	1300 Clay Street, Suite 325, Oakland, CA 94512	510-625-0712
William E. Dvorak	Senior Vice President	111 West Jackson Boulevard, Suite 1320, Chicago, IL 60604	312-726-9445
Matthew A. Edwards	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Julie K. Eklund	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
David B. Ellington	Vice President	1700 Willow Lawn Drive, Suite 200, Richmond, VA 233230	804-673-3882
George E. Ellis	Regional Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Paul D. Elman	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Angelina G. Fairchild	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Lawson H. Fanney	Vice President	11720 Amber Park Drive, Suite 600, Alpharetta, GA 30009	770-619-4280
Jean B. Fares	Senior Vice President	21820 Burbank Boulevard, Suite 230, Woodland Hills, CA 91367	747-900-8400
George B. Fares	Senior Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Thomas W. Farnan	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Kenneth L. Fink	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Angela F. Fischler	Vice President	1412 Jackson Street, Suite 2, Fort Myers, FL 33901	239-271-2650
Tammy L. Flanagan	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Larry L. Flowers	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Kevin B. Flynn	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Thomas M. Fowler	Vice President	10814 Jollyville Road, Campus IV, Suite 300, Austin, TX 78759	512-418-1771
William D. France	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Ronald W. Freeman	Vice President	6671 Las Vegas Boulevard South, Suite 320, Las Vegas, NV 89119	702-862-3600

Chris V. Frysinger	Senior Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Ashley M. Frysinger	Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Steven D. Galloway	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Glenn A. Gary	Senior Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Kevin S. Gaskey	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Brian R. Gillis	Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Scott W. Gilner	Vice President	655 North Franklin Street, Suite 150, Tampa, FL 33602	813-620-1460
David S. Goldman	Vice President	12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258	904-828-3900
Brian A. Good	Senior Vice President	445 24th Street, Suite 200, Vero Beach, FL 32960	772-794-4100
Michael J. Gottholm	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Dan F. Grant	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Thomas P. Grant	Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214-420-5600
M. Brandon Guillory	Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Stephanie L. Hachem	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
David S. Haines	Vice President	1001 West Southern Avenue, Suite 131, Mesa, AZ 85210	480-207-2666
Lori A. Hall	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
James R. Hamilton	Vice President	11720 Amber Park Drive, Suite 600, Alpharetta, GA 30009	770-619-4280
Stephen E. Haney	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Thomas R. Harrington	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Michael J. Harris	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Mark E. Harris	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Jessica L. Harris	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Jennifer L. Hary	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Patrick B. Hart	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Mark C. Hatchel	Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214-420-5600
Christopher C. Hatton	Senior Vice President	655 North Franklin Street, Suite 150, Tampa, FL 33602	813-620-1460
Leyla Hedayat	Senior Vice President	100 West San Fernando Street, Suite 250, San Jose, CA 95113	669-800-4130
Christopher W. Heggen	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Dean A. Henigsman	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Michael J. Hermann	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Melissa A. Hewitt	Vice President	660 South Figueroa Street, Suite 1040, Los Angeles, CA 90017	213-261-4040
Kevin P. Hoppers	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Jon B. Horn	Senior Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
R. Michael Horn	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
E. Vincent Hourigan	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Robert M. Hume	Senior Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Jerry W. Ingram	Senior Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Kenneth W. Jackson	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Jay R. Jackson	Senior Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
R. Jeffery James	Senior Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Sean P. Johnston	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Robert D. Jones	Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	757-213-8600

Colin Jordan	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Rebecca R. Jucksch	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Kent C. Kacir	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Joseph D. Kaltsas	Senior Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Loisalynn B. Kiefer	Senior Vice President	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
Michael E. Kiefer	Senior Vice President	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
J. Mark Kilby	Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Kevin J. Kimm	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Mark R. Kirkland	Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
John C. Kissinger	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
JoNette L. Kuhnau	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Wayne Kurfees	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Gregory S. Kyle	Senior Vice President	660 South Figueroa Street, Suite 1040, Los Angeles, CA 90017	954-535-5100
Dennis J. Landaal	Senior Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
David J. Leistiko	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Christopher C. Leverett	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Jason A. Lewis	Vice President	116 South Kentucky Avenue, Lakeland, FL 33801	863-701-8702
Jamea M. Long	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
James S. Lott	Senior Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Eric C. Lovejoy	Vice President	5370 Kietzke Lane, Suite 100, Reno, NV 89511	775-787-7552
William F. Mackey	Senior Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Carlos E. Maeda	Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
D. Mark Manning	Senior Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Keith R. Markland	Senior Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Edward A. Marscheider	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Robert J. Martin	Senior Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Jonathan A. Martin	Senior Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Amy B. Massey	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Jason B. Matson	Senior Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
William D. Matzek	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-645-4197
Paul D. McCracken	Senior Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
Amy L. McGreger	Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
John J. McWilliams	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
Emily H. Meador	Senior Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Joseph P. Mecca	Vice President	12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258	904-828-3900
Michelle B. Mecca	Vice President	12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258	904-828-3900
Enda Melvin	Senior Vice President	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916-858-5800
M. Pearse Melvin	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Peter N. Meyerhofer	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
David E. Meyers	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Brian J. Michot	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Mark D. Miller	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665

Daniel C. Millner	Senior Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
M. Scott Mingonet	Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511
Richard A. Moles	Vice President	6671 Las Vegas Boulevard South, Suite 320, Las Vegas, NV 89119	702-862-3600
Jeffrey W. Moore	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Hugo Morales	Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
John J. Morris	Vice President	100 West San Fernando Street, Suite 250, San Jose, CA 95113	669-800-4130
Arthur J. Morton	Vice President	111 West Jackson Boulevard, Suite 1320, Chicago, IL 60604	312-726-9445
Bradley J. Moss	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Michael C. Mowery	Vice President	4637 Chabot Drive, Suite 300, Pleasanton, CA 94588	925-398-4840
Marwan H. Muffeh	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Joseph M. Müller	Vice President	100 West Big Beaver Road, Suite 220, Troy, MI 48084	248-825-8245
Salvatore J. Musarra	Vice President	1700 Willow Lawn Drive, Suite 200, Richmond, VA 233230	804-673-3882
Brent H. Mutti	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Gary J. Nadeau	Vice President	1777 Main Street, Suite 200, Sarasota, FL 34236	941-379-7600
William A. Nash	Senior Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Aaron W. Nathan	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Anush A. Nejad	Senior Vice President	50 South 16th Street, Suite 1650, Philadelphia, PA 19102	267-687-0150
Gary T. Newton	Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Lisa K. Noon	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Michael A. Norby	Senior Vice President	1001 West Southern Avenue, Suite 131, Mesa, AZ 85210	480-207-2666
Charles A. Nuckols	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Ahmad A. Omais	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Stephen O. Orr	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Joy A. Pado	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Edward Y. Papazian	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
Marty S. Paris	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Brian J. Parker	Vice President	2600 Via Fortuna, Terrace I, Suite 300, Austin, TX 78746	512-646-2237
Keith A. Pelan	Vice President	765 The City Drive, Suite 200, Orange, CA 92868	714-939-1030
Adam C. Perillo	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Jerry D. Pertzsch	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-845-4197
Randall J. Phelps	Senior Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	757-213-8600
Anthony J. Podegrac	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
John E. Potts	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Austin B. Powers	Regional Vice President	2201 West Royal Lane, Suite 275, Irving, TX 75063	214-420-5600
Petrus S. Pretorius	Senior Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Vicki L. Purdie	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Bryan T. Rapp	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Gary R. Ratay	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
Steven D. Read	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Elizabeth A. Reed	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Steven H. Reeder	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Christopher D. Rhodes	Vice President	214 Oceanside Drive, Nashville, TN 37204	615-564-2701

Stewart E. Robertson	Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
L. Daniel Robinson	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Richard R. Rohrbaugh	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Michael S. Ross	Senior Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Robert A. Ross	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Curtis D. Rowe	Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	757-213-8600
Jack R. Royal	Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Michael L. Rushing	Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Ryan C. Safford	Vice President	5750 Genesis Court, Suite 200, Frisco, TX 75034	972-335-3580
Mark A. Samarripas	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Thomas J. Sauro	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
K.K. Saxena	Senior Vice President	600 North Pine Island Road, Suite 450, Plantation, FL 33324	954-535-5100
Kevin M. Schanen	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
William J. Schilling	Senior Vice President	12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258	904-828-3900
Harold J. Schulke	Vice President	11700 Katy Freeway, Suite 800, Houston, TX 77079	281-597-9300
Michael F. Schwartz	Vice President	1615 South Congress Avenue, Suite 201, Delray Beach, FL 33445	561-330-2345
Jon S. Sewell	Senior Vice President	2615 Centennial Boulevard, Suite 102, Tallahassee, FL 32308	850-553-3500
Carl B. Shamburger	Senior Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Brian K. Shewski	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Ricardo P. Solis	Vice President	333 East Wetmore Road, Suite 280, Tucson, AZ 85705	520-615-9191
David K. Sorenson	Senior Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Brian E. Sowers	Vice President	4637 Chabot Drive, Suite 300, Pleasanton, CA 94588	925-398-4840
Charles R. Spinks	Vice President	555 Capitol Mall, Suite 300, Sacramento, CA 95814	916-858-5800
Michael D. Spruce	Vice President	1615 South Congress Avenue, Suite 201, Delray Beach, FL 33445	561-330-2345
Stephen M. Stansbery	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Matthew C. Steder	Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	303-228-2300
Britt L. Stephens	Vice President	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
Christopher W. Stetson	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
David W. Stewart	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Karin S. Stocks	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Thomas M. Stovall	Senior Vice President	1777 Main Street, Suite 200, Sarasota, FL 34236	941-379-7600
David L. Stricklin	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Raymond P. Strychalski	Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Nicholas E. Sulkowski	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
James M. Sumislaski	Senior Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Karl V. Sutter	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Roderick P. Swindler	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
S. Cliff Tate	Senior Vice President	3665 Maguire Boulevard, Suite 200, Orlando, FL 32803	407-898-1511
Jenifer R. Tatum	Vice President	801 Cherry Street, Unit 11, Suite 950, Fort Worth, TX 76102	817-335-6511
Benjamin S. Taylor	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Carl F. Tewksbury	Senior Vice President	4525 Main Street, Suite 1000, Virginia Beach, VA 23462	757-213-8600
Jonahtan D. Thigpen	Senior Vice President	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	407-898-1511

Melibe S. Thomas	Vice President	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
Terry M. Truex	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Jason B. Valencia	Vice President	401 B Street, Suite 600, San Diego, CA 92101	619-234-9411
Brian W. Valentine	Vice President	4582 South Ulster Street, Suite 1500, Denver, CO 80237	303-228-2300
Peter T. Van Buskirk	Vice President	1412 Jackson Street, Suite 2, Fort Myers, FL 33901	239-271-2650
Andrew W. Van Leeuwen	Senior Vice President	10814 Jollyville Road, Campus IV, Suite 300, Austin, TX 78759	512-418-1771
Peter Van Rens	Senior Vice President	445 24th Street, Suite 200, Vero Beach, FL 23960	772-794-4100
William J. Voisin	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Hillary K. VonAhsen	Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
William D. Waddill	Senior Vice President	1777 Main Street, Suite 200, Sarasota, FL 34236	941-379-7600
John D. Walker	Senior Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Nathan C. Walnum	Vice President	1001 West Southern Avenue, Suite 131, Mesa, AZ 85210	480-207-2666
David W. Walthall	Vice President	1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411	561-845-0665
Austin L. Watts	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Floyd C. Webb	Senior Vice President	817 West Peachtree Street NW, Suite 601, Atlanta, GA 30308	404-419-8700
Brian B. West	Vice President	11720 Amber Park Drive, Suite 600, Alpharetta, GA 30009	770-619-4280
Matthew S. West	Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Timothy E. White	Vice President	1700 Willow Lawn Drive, Suite 200, Richmond, VA 233230	804-673-3882
Richard D. Whyte	Vice President	11400 Commerce Park Drive, Suite 400, Reston, VA 20191	703-674-1300
William R. Wilhelm	Vice President	200 South Tryon Street, Suite 200, Charlotte, NC 28202	704-333-5131
Roy L. Wilshire	Senior Vice President	13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, TX 75240	972-770-1300
Mark E. Wilson	Senior Vice President	116 South Kentucky Avenue, Lakeland, FL 33801	863-701-8702
Deborah L. Wilson	Senior Vice President	2 Sun Court, Suite 220, Peachtree Corners, GA 30092	770-825-0744
Jon E. Wilson	Senior Vice President	421 Fayetteville Street, Suite 600, Raleigh, NC 27601	919-677-2000
Jeanne M. Witzig	Vice President	2550 University Drive, Suite 238N, Saint Paul, MN 55114	651-845-4197
Christopher C. Woolery	Vice President	7740 N. 16th Street, Suite 300, Phoenix, AZ 85020	602-944-5500
Laura Worthington-Forbes	Vice President	100 West San Fernando Street, Suite 250, San Jose, CA 95113	669-800-4130

Line Item 4

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

566-14-110Amd6
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 Revision to Initial Budget Request: Request for Amendment #: 6
Name of Second Party, if Known: Jacobs Engineering Group Inc. Agreement Number: P566-14-110
Project ID #(s): Original 73922; revised for TO5 74291 A
Type of Services: FHWA NEPA Environmental Services for the Downtown Access Project on I-515 from
Originated by: Ryan Wheeler Division: Project Management Date Originated: 2/19/2021
Division Head/District Engineer: Nicholas Johnson
Budget Category #: 466006 Object #: 814D Organization #: C110
Type of Funding: State % of Fund: 100 State Fiscal Year(s): FY21-23

Amendment Estimated Cost: \$4,971,490.73

Total Agreement Estimated Cost:

Funding Notes: FY21 2,000,000, FY22 \$2,500,000, FY23 \$471,490.73
The original agreement is 73922. For TO5 a EA of 74291 was established. The agreement is a task order agreement so upon execution of this amendment a new TO6

Financial Management:

Kristen Greenhut 2/19/2021

Approved by 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 2/19/2021

Approved by Date

Director:

Kristina Swallow 2/19/2021

Approved by Date

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

For Agreement Services Only
566-14-110Amd6

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:

The purpose of this amendment is to complete the FHWA NEPA work to obtain a final environmental impact statement for the project.

Scope of Services:

Scope of services is attached.

(Short synopsis): Complete the FHWA NEPA work to obtain a final environmental impact statement for the project. This will include public outreach and coordination with agencies throughout the NEPA effort, design revisions and refinements to alternatives, cost risk analysis, value engineering analysis, additional utility investigations including some subsurface investigations

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

MEMORANDUM

February 16, 2020

TO: Jeff Lerud, P.E., Assistant Director – Engineering / Chief Engineer

FROM: Ryan Wheeler, P.E., Senior Project Manager

SUBJECT: Negotiation Summary for amendment #6 to P566-14-110 Engineering Services for I-515 Bridge Replacement and Downtown Access Project

The original agreement is a task order agreement in the amount of \$2,645,000.00 to perform a safety and operational improvement study along the I-515 Viaduct in Las Vegas. The scope of services in the Request for Proposal for the agreement allowed for the Department to amend the agreement to move forward for NEPA or additional studies. Subsequently, Five amendments have been issued and the current contract amount is \$9,902,000.00. This proposed amendment is to increase the contract amount \$4,971,490.73 to a total of \$14,873,490.73. This amendment is to continue the pre-NEPA work that was previously performed and progress toward the completion of a NEPA FEIS.

The Department's original assumptions were that this project would only require an Environmental Assessment (EA) for the project NEPA. However, once we began to determine project limits it became clear that NDOT should address the aging infrastructure of the entire 1.6-mile viaduct on I-515 and not just a portion of the viaduct. This decision expanded the project limits for the project and requires the completion of an Environmental Impact Statement. This decision makes the project larger and more expensive but is prudent in solving many issues that exist on I-515 from I-15 to Eastern Avenue. The following negotiations are for the amendment to complete the NEPA FEIS.

A negotiation meeting was held at 123 East Washington Ave in Las Vegas on September 28, 2020, with Ken Gilbreth and Leo Houston of Jacobs Engineering and Ryan Wheeler and Nick Johnson of the Nevada Department of Transportation (DEPARTMENT) in attendance. Negotiations continued through November 1, 2020 via two separate conference calls with Ken Gilbreth, Ryan Wheeler, and Nick Johnson

The DBE goal for this agreement has been established at two percent (2%) based on the previous negotiated DBE goal.

The scope of services that are to be provided by the SERVICE PROVIDER was reaffirmed by both parties and agreed to by both parties.

The Department completed successful negotiations for the next task order to be issued via the agreement and toward the Downtown Access Project, see scope attached.

Key personnel dedicated to this project are as follows:

Ken Gilbreth, P.E.	Project Manager
Leo Houston, P.E.	Roadway Design
Mike Cooper P.E.	Structures Design
Loren Bloomberg P.E.	Traffic Engineer
John Taylor P.E.	Alternative Development
Ravee Raveendta, P.E.	Geotech Design
Debi Bohnet	Public Information

Chad Halverson P.E.
Charlie Webb

Drainage Design
Environmental Lead

The following milestone schedule was agreed to by both parties:

- December 2021: Complete Agency Draft EIS
- October 2022: Complete Final EIS w/ signatures

Key sub-consultants and a list of each's sub-consultants current NDOT project commitments are shown below:

Golder

RHA

KCI

Erica Aviles Consulting

Parametrix (Civil FX)

Cost/Risk Assessment

Value Engineering

Subsurface Utilities

Public Outreach Support

Visualizations

Sub-Consultant	Project	Prime/Sub
Erica Aviles Consulting	N/A	
Parametrix (Civil FX)	I-15 & I-80 Multistate Coordination	Prime
	Discretionary Grant Support Services On-Call	Prime
	Freight Program Implementation Support	Prime
	One Nevada Transportation Plan	Sub
	I-15 - Sahara to Flamingo Feasibility Study/PEL	Sub
	Reno Spaghetti Bowl	Sub
	I-15/Tropicana Interchange	Sub
Golder	Project Management and Financial Plan On-Call	Sub
	Program Management / Project Delivery On-Call	Sub
KCI	I-15 North Phase 2	Sub
	Reno Spaghetti Bowl Phase 2	Sub
RHA	Henderson Interchange VE	Sub
	Pyramid Highway	Sub

The SERVICE PROVIDER's original estimate was \$6,376,872.32 including direct labor (38,630 man-hours of work by the SERVICE PROVIDER), overhead rate of 99.41%, a 10% fee, and direct expenses at \$150,000 (including sub-consultant expenses).

The overhead rate of 99.41%, which has been adjusted down from the 114% in the original Agreement.

The negotiations yielded the following:

1. There will be 30,193 total man-hours allotted to the project throughout the course of this task order at a direct labor cost of \$2,010,403.75
2. Based upon the direct labor costs and an overhead rate of 99.41%, the overhead amount will be \$1,998,542.37
3. A fee of 10% was agreed to by both parties and will be \$400,894.61 for this task order based upon direct labor costs and an overhead rate of 99.41%.
4. The direct expenses agreed to total \$561,650.00 for sub-consultants, reproduction, communication, travel and per diem. There will be no direct compensation for computer time.
5. The total negotiated cost for this task order, including direct labor, overhead, fee and direct expenses will be \$4,971,490.73 a reduction of \$1,405,381.59 from the service provider's original estimate.

The agreement is being increased from \$9,902,000.00 in the amount of \$4,971,490.73 to a new total of \$14,873,490.73. NDOT will issue the first task order as described above in the amount of \$4,971,490.73. Additional task orders will be issued on an as-needed basis per the agreement.

Reviewed and Approved:

DocuSigned by:

Assistant Director

02/17/2021

I-515 Downtown Access Project

NEPA SCOPE OF SERVICES

Prepared for
Nevada Department of Transportation

JACOBS[®]

1301 N. Green Valley Parkway

Suite 200

Henderson, NV 89074

Table of Contents

	Page
1 GENERAL	1
1.1 Project Description.....	1
2 PROJECT MANAGEMENT	2
2.1 Design Meetings.....	2
2.2 Schedules.....	3
2.3 Progress Reports / Invoices.....	3
2.4 Progress Coordination.....	3
2.4.1 Task Coordination Meetings.....	3
2.4.2 Design Management Team Meetings.....	3
2.4.3 Miscellaneous Coordination.....	3
2.4.4 File Management.....	3
2.4.5 Quality Assurance (QA) / Quality Control (QC).....	4
2.5 <i>Coronavirus (COVID-19) Impacts</i>	4
3 VALUE ANALYSIS (VA)	5
3.1 Value Analysis Session.....	6
3.2 Preliminary and Final VA Reports.....	7
4 COST RISK ASSESSMENT (CRA)	8
4.1 Pre-Workshop Preparation:.....	8
4.2 Risk Assessment (RA) Workshop.....	8
4.3 RA Modeling.....	8
4.4 RA Results Presentation.....	9
4.5 Risk Management (RM) Discussion.....	9
4.6 Draft and Final Report.....	9
4.7 Additional Support.....	9
5 INDEPENDENT COST ESTIMATE (ICE)	9
6 PUBLIC RELATIONS	10
6.1 Business Outreach.....	10
6.2 Community and Neighborhood Outreach.....	10
6.3 Public Involvement Plan.....	10
6.4 Collateral Material Development.....	10
6.5 Presentation Development.....	11
6.6 Group Stakeholder Meetings.....	11
6.7 Individual Stakeholder Meetings.....	11
6.8 Media Relations.....	11
6.9 Public Meeting and Public Hearing.....	11
6.10 Website.....	11
6.11 Visualizations.....	11
7 SURVEYS	12
7.1 Survey Control.....	12
7.2 Field Survey.....	12
7.3 Mapping.....	12
8 Alternative Analysis	12
8.1 Alternative Analysis.....	12

Table of Contents

	Page
8.2	Alternative Selection Process..... 13
9	ROADWAY / DESIGN REPORT 14
9.1	Design Criteria Update 14
9.2	Union Pacific Railroad (UPRR)..... 14
9.3	Design Exception Documentation 15
9.4	Right-of-Way Impacts..... 15
9.5	Design Report..... 15
10	STRUCTURES 16
10.1	Alternatives Updates Coordination 16
11	MATERIALS / GEOTECHNICAL 17
11.1	Retaining Walls/Sound Walls/ Miscellaneous Structures 17
12	PRELIMINARY DRAINAGE UPDATE and STORMWATER QUALITY 17
13	TRAFFIC ANALYSIS / CHANGE IN CONTROL OF ACCESS..... 18
13.1	Traffic Operations Analysis 18
13.2	Change in Control of Access Report 19
13.3	Highway Safety 19
13.4	Signals 19
13.5	Lighting 19
13.6	Signing 19
13.7	Traffic Control 19
14	INTELLIGENT TRANSPORTATION SYSTEM (ITS) & FAST 20
15	LANDSCAPE and AESTHETICS..... 20
16	RIGHT OF WAY 20
16.1	Relocation Plan..... 20
16.2	Right of Way Engineering..... 21
16.3	Right of Way Setting Assistance 21
16.4	Property Research and Public Inquiries 21
17	UTILITY COORDINATION 22
17.1	Utility Rights Research..... 22
17.2	Utility Coordination..... 23
17.3	Subsurface Engineering 24
18	Alternatives Analysis – US 95 HOV Lane Addition..... 24
18.1	Alternatives Analysis 24
18.2	Structures Support 25
19	ENVIRONMENTAL ASSESSMENT / NEPA 25
19.1	NEPA Task Manager 25
19.2	Author 26
19.3	Meetings 26
19.3.1	General Project..... 26
19.3.2	Agency Coordination 26
19.3.3	State/Local Agencies 26
19.3.4	Federal Agencies..... 26

Table of Contents

	Page
19.3.5 Agency Scoping Meeting	26
19.3.6 Agency Coordination Plan and Impact Assessment Methodologies ..	26
19.3.7 Tribal Coordination	26
19.4 Purpose & Need (Section 1).....	27
19.5 Alternatives/Preferred Alternative (Section 2).....	27
19.6 Affected Environment, Impacts & Mitigation (Section 3)	27
19.6.1 Air Quality Analysis.....	27
19.6.2 Traffic Noise Analysis	28
19.6.3 Construction Noise Analysis	29
19.6.4 Visual Effects Analysis.....	29
19.6.5 Environmental Justice Analysis	31
19.6.6 Jurisdictional Waters Impact Analysis.....	32
19.6.7 Floodplain Impact Analysis	32
19.6.8 Hazardous Material Impact Analysis.....	32
19.6.9 Threatened and Endangered Species Impact Analysis.....	34
19.6.10 Transportation Impact Analysis (includes safety)	34
19.6.11 Commercial/Residential Displacement Impact Analysis	34
19.6.12 Institutional Impact Analysis.....	34
19.6.13 Community Impact Analysis.....	34
19.6.14 Cultural Resources Impact Analysis.....	34
19.6.15 Recreational Resources Impact Analysis/Section 4(f) Evaluation..	36
19.6.16 Construction Impact Analysis	37
19.6.17 Indirect Effects Analysis.....	37
19.7 Coordination and Consultation During Draft EIS.....	40
19.8 Document Preparation and Publication	40
19.9 Graphics for Draft EIS	41
19.10 Prepare Combined Final EIS/ROD.....	41
19.10.1 Review and Response to Comments on Draft EIS.....	41
19.10.2 Prepare Final Environmental Impact Statement.....	41
19.10.3 Prepare Record of Decision	41
19.10.4 Final EIS/ROD Document Preparation and Publication.....	42

ATTACHMENT "X"

NEPA SCOPE OF SERVICES

1 GENERAL

1.1 Project Description

The I-515 Downtown Access Project (DAP) (hereinafter "Project") proposes to improve the east approach of the I-15/US 95/I-515 "Spaghetti Bowl" system interchange. The Project is intended to address the congested conditions and deteriorating infrastructure that affect this segment of the freeway system.

The Project limits anticipated are as follows:

- I-515/US 95, Mojave Road to Rancho Drive (approx. 4 miles)
- I-15, Symphony Park Avenue to Bonanza Road (approx. ½ mile)
- System Interchange ramp connections:
 - I-515N to I-15N/S system ramps (WN and WS ramps)
 - I-15N/S to I-515S system ramps (NE and SE ramps)
 - I-15S to US 95N system ramp (SW ramp)
 - I-15N to US 95N system ramp (NW ramp)
 - US 95S to I-15N system ramp (EN ramp)
 - US95S to I-15S system ramp (ES ramp)
 - I-515N to MLK off ramp
 - I-15N to MLK off ramp
 - I-15S to MLK off ramp
 - MLK to I-515S on ramp
- Existing and proposed service/High Occupancy Vehicle (HOV) interchanges:
 - Rancho Drive/US 95 service interchange (ramps only)
 - MLK/US 95 service interchange (ramps only)
 - Proposed City Parkway/I-515 HOV interchange
 - Casino Center/I-515 service interchange
 - Las Vegas Blvd/I-515 service interchange
 - Proposed Maryland Parkway/I-515 HOV interchange
 - Eastern Avenue/I-515 service interchange
- City Parkway, between Bonanza and Grand Central Parkway (approx. 1/4 mi)
- S Grand Central Parkway at City Parkway (approx. 1/4 mi)

- 4th Street realignment, between Stewart and Casino Center (approx. 1/4 mi)
- Other impacted local streets:
 - Main Street
 - Stewart Avenue
 - Bonanza Road
 - 7th 8th 9th 10th 13th 14th 15th 16th 19th 21st 28th Streets
 - Bruce Street
 - Mojave Road
 - Mesquite Avenue
 - Poplar Avenue
 - Marlin Avenue
 - Elm Avenue
- Union Pacific Railroad (UPRR) track crossings/corridors:
 - I-515 N/S RxR Grade Separations (mainline tracks)
 - I-15 N/S, WN, & SE/SW RxR Grade Separations (mainline tracks)
 - City Parkway at-grade RxR crossing (spur track)
 - UPRR spur track reconstruction/realignment at the I-515 N/S

Recent projects have been or are being completed through the corridor by the City of Las Vegas (CLV) and the Nevada Department of Transportation (DEPARTMENT). These planned improvements will be considered and updated where revisions are identified as necessary in the planning and implementation of this Project and include:

- City Parkway Street Improvement Project (CLV)
- Las Vegas Blvd Street Improvement Project (CLV)
- I-515 SB Auxiliary Lane Project (DEPARTMENT)

The DEPARTMENT desires to complete the necessary National Environmental Policy Act (NEPA) and design studies to determine appropriate measures to reconstruct the G-947 structure over the UPRR, replace the I-515 viaduct and accommodate the future travel demands. The Project is to improve the operations, capacity, and safety of the interchange, and address all modes of travel demands.

Under this scope of services, the CONSULTANT will update the preliminary design and perform environmental studies for the Project to complete the necessary studies, documentation, and outreach to meet NEPA requirements.

2 PROJECT MANAGEMENT

2.1 Design Meetings

Milestone review meetings to receive agency comments on formal submittals will include Preliminary Design Review.

2.2 Schedules

The CONSULTANT will prepare a Microsoft Project schedule incorporating the tasks and planned duration of this scope of services. The schedule will be maintained for twenty-four (24) months after amendment notice to proceed.

The CONSULTANT will maintain the planned expenditure schedule for twenty-four (24) months after amendment notice to proceed.

2.3 Progress Reports / Invoices

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

- Comparison of actual vs. anticipated hours per task
- Work task completed since the last report
- Work / task planned for the next reporting period
- Needs / requests between the DEPARTMENT task leads and CONSULTANT

The CONSULTANT's Project Manager will then collate and refine the task data received and develop an overall report on current Project status, including:

- Monthly design schedule updates, with delay justifications, coordination and scheduling staff needs, requests and data exchange.

2.4 Progress Coordination

2.4.1 Task Coordination Meetings

Task Coordination Meetings will be held during Draft Environmental Impact Statement (DEIS) phase (9) and Final Environmental Impact Statement (FEIS) phase (3). Twelve (12) meetings are anticipated.

2.4.2 Design Management Team Meetings

CONSULTANT Design Manager (DM) will coordinate with task leads and staff to ensure the Project is being developed completely and consistently between disciplines. This will occur through regular review of progress plans against schedule, regular communication via e-mail and/or conference call as well as issue resolution meetings. When appropriate, DM will engage the DEPARTMENT and/or other agency staff along with the DEPARTMENT to ensure that conflicts are resolved in a manner that is acceptable to all.

Design Management activities are anticipated to last for twenty-four (24) months.

2.4.3 Miscellaneous Coordination

Miscellaneous coordination with the DEPARTMENT, Agencies, Stakeholders, Officials, and the general public will continue during Preliminary Design.

2.4.4 File Management

The CONSULTANT shall maintain the Project management website for the purpose of storing and transferring Project files throughout the life of the Project. The website will include, but not be limited to, all Project documentation including meeting minutes,

design calculations, electronic files, correspondence, and e-mail, including scanning of all hard copies not transmitted electronically. The DEPARTMENT Senior Project Manager and task leads shall have access to the files through a secured account and may request access rights for other agency representatives, agents, employees and officials involved with the Project. Provisions will also be made to archive this data. A file backup process will also be developed.

File management will continue for 24 months.

- All working files will be updated once a week
- MicroStation files will be posted in Version 7
- SharePoint Site
- DVD Archive of electronic files
- Hard copy of Project files on an external hard drive at Close out
- Regular Administrative document control filing

2.4.5 Quality Assurance (QA) / Quality Control (QC)

The CONSULTANT is responsible for the accuracy and completeness of the plans, reports and related materials prepared under this contract and, as such, shall check all materials released from the CONSULTANT office accordingly. The CONSULTANT shall have a quality control plan in effect during the entire time work is being performed under this contract. The deliverables shall be reviewed by the DEPARTMENT for conformity with the DEPARTMENT's procedures, contract terms, and in accordance with this Scope of Services. Non-compliance will be sufficient cause for rejection of the submittal. **The CONSULTANT acknowledges that review by NDOT does not include detailed review or checking of major components or related details for accuracy.**

The CONSULTANT shall submit its QA/QC Plan to the DEPARTMENT for review and approval within fifteen (15) business days following the Kickoff Meeting. At a minimum, the plan will address:

- Checking procedures, reviewed by the CONSULTANT's QC team members, none of whom will otherwise be directly involved with the Project
- Methods of monitoring
- Documenting quality control activities

As part of the QA process, the CONSULTANT will provide written confirmation of the internal checking and review to the DEPARTMENT in conjunction with each submitted deliverable. The checking documentation will be signed by the CONSULTANT's Project Manager and QA Manager.

Deliverables:

- *QA/QC Plan in both electronic and paper format*
- *Written confirmation of internal checking and review attached to all documents released by the CONSULTANT*

2.5 Coronavirus (COVID-19) Impacts

Preliminary Design and Environmental Approval for the Project are interactive, in-person processes. This is necessary to effectively communicate to obtain Project

input, coordinate work products, comments and approvals, and keep the key stakeholders and public personally informed through the entire NEPA process.

This Scope of Services is planned for the Project tasks to involve in-person activities, where meetings or other in-person interactions are identified. However, it is unknown whether COVID-19 restrictions will be limiting public interaction and in-person team gatherings at the time specific tasks are scheduled. Prior to each task, a determination can be made by the Project Management Team to ascertain the current COVID-19 restrictions. At that time, the in-person activities can be planned virtually and the resulting impact on schedule and budget determined and approved by the DEPARTMENT.

3 VALUE ANALYSIS (VA)

The general mission of the VA Study is to provide the DEPARTMENT with recommendations for improved value solutions, where possible, for meeting the Project's highway widening and improvements goals. A VA Team will provide recommendations that seek to minimize total initial and life-cycle cost, and will also address functional improvements, where possible. The CONSULTANT will lead the VA Team, consisting of the DEPARTMENT's multi-disciplinary staff assigned to the study, and CONSULTANT representatives, including the VA Team Leader and a VA Study Assistant. In this session, the VA Team can concentrate on the following areas:

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

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

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

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

Pre-Study Phase: Coordination Prior to VA Study

The CONSULTANT VA Team Leader will attend a Pre-Study Workshop in Las Vegas, NV, approximately four (4) to six (6) weeks prior to the VA Study. This meeting may be in person or online. The purpose of the Pre-Study Workshop will be to review the proposed agenda for the VA Study, to coordinate with the DEPARTMENT VA Manager and the CONSULTANT's DM to request compilation of pertinent Project design information for the VA Study, to identify all team members who will participate on the VA Study, and to determine other logistics of the VA Study.

The VA Team Leader will confirm that sufficient copies of existing design documentation will be available to the VA Team during the week of the study. Pertinent documentation includes, but is not limited to: design drawings, cost estimates, environmental documents, schedules, budgets, soils reports, aerial photographs, right-of-way plans, the highway widening and alignment options report, and other information that describes existing conditions, the final design, and interfaces with adjacent projects (current or future).

The VA Team Leader will prepare a coordination memorandum that will be distributed to all VA Team members in advance of the VA Study. The memorandum will cover the logistics of the study, the agenda for the orientation meeting and the full VA Study, and general expectations of the VA Team members.

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

A subset of pertinent design information will be reproduced by the DEPARTMENT or CONSULTANT and sent to VA Team members for their review prior to the VA Study.

The VA Team Leader will adjust the planned VA Study agenda as appropriate to spend focused time on priority elements of the Project within the timeframe of the one-week VA Study.

3.1 Value Analysis Session

As mentioned herein, the main goal of the VA Study is to provide the DEPARTMENT with recommendations for improved value solutions, where possible, for meeting the overall transportation improvement goals of the Project, including interchange improvements and highway widening. The VA Team will provide recommendations that seek to minimize total initial and life-cycle cost, and also address functional improvements where possible. The major components of the Project and connectivity to existing roadways will be reviewed and discussed during the VA Study.

The Session will include a VA Orientation and Site Tour (1 day), followed by the 4-day VA Study, totaling approximately 5 work-days. The VA Orientation and site tour and VA Study will take place over a single work week.

The VA Team will consist of the VA Leader, VA Assistant, up to five (5) CONSULTANT Subject Matter Experts and up to five (5) Agency staff from the DEPARTMENT, FHWA and stakeholder agencies.

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

3.2 Preliminary and Final VA Reports

The deliverable from the VA Study will be the Preliminary VA Report, followed by the Final VA Report.

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

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

A post-workshop meeting will be held within two (2) weeks following delivery of the draft VA Report. The VA Team Leader may participate in person. Representatives from the DEPARTMENT, FHWA, design team, and appropriate VA representatives (some by phone) will determine which proposals are being accepted, rejected or modified.

The Final VA Report will then be prepared, once the final dispositions of the VA proposals have been determined (accepted, rejected, or modified). The Final VA Report will include typewritten summaries of the VA proposals, their disposition, the VA methodology, and other issues addressed by the VA Team. Ten (10) copies and an electronic PDF copy of the Final VA Report will then be sent to the DEPARTMENT no later than ten (10) working days from final recommendation.

Assumptions:

The following general Assumptions are made in preparing this scope of work and fee:

- Value Analysis is a discreet Project review service for purposes of evaluating potential ways to deliver a Project more economically, but it is not intended to replace design, construction management or program management oversight services required for administration of an overall Project or program.
- All meetings will be held in Las Vegas, Nevada and/or Carson City, Nevada.

Deliverables:

- *Preliminary and Final VA Report*

4 COST RISK ASSESSMENT (CRA)

CONSULTANT will lead the cost and schedule risk assessment process for the Project, based on the draft 15-percent design level of the three (3) alternative estimates. The risk assessment will utilize a process consistent with the DEPARTMENT's Risk-Based Estimating Guidelines. The CONSULTANT will facilitate the risk identification and quantification process, working collaboratively with cost estimators and other subject-matter experts (SMEs) from the DEPARTMENT, and other team member organizations as necessary. An initial risk assessment is currently envisioned, followed by one (1) subsequent update prior to the end of the Project.

The general process for the risk assessment is outlined below. This general process will be followed for the initial risk assessment and the subsequent update. However, it is assumed that the process will be streamlined somewhat for the update because most of the key participants will be familiar with the process and the Project will have already been "structured" for the risk assessment. Workshops will be held in person where feasible considering COVID-19 travel and social distance restrictions; otherwise, virtual platforms such as Microsoft Teams will be utilized.

4.1 Pre-Workshop Preparation:

Pre-workshop preparation includes review of Project materials, advance discussion of Project issues and needs, and selection (with the project team) of subject matter experts (SMEs). The task also includes a formal preparatory session that consists of a roughly half-day meeting with key Project staff. The objectives of the preparatory meeting will be to 1) introduce the Project team to the risk assessment process, 2) familiarize the risk assessment team with the Project and project team, 3) conduct a preliminary review of the cost estimates and schedules, including development of a draft "flowchart" abstraction of the Project schedule, and 4) finalize list of invitees and agenda for the risk assessment workshop.

4.2 Risk Assessment (RA) Workshop

During the workshop, the CONSULTANT will work collaboratively with the Project team to confirm the "base" Project scope, delivery strategy, and key assumptions, and update Project flow chart as necessary. The CONSULTANT will also coordinate with project team and the DEPARTMENT's independent cost estimators and other SMEs to establish the "base" cost estimate and quantify "base uncertainties," as appropriate. The CONSULTANT will lead the identification and review of "risk factors," to include the following: a comprehensive, non-overlapping set of risks and opportunities consistent with the "base" that reflects current Project status; facilitate defensible and adequate quantification of risk factors by eliciting subjective assessments from the project team and SMEs; and adequately document the assessments in a risk register. Potential risk management actions may be discussed during the workshop and will be documented in the risk register but will not be formally incorporated into the initial results.

4.3 RA Modeling

Following conclusion of the RA Workshop and finalization of necessary inputs, the "base" and "risk" factors will be combined within an integrated Monte Carlo simulation model to quantify uncertainty in the Project cost and schedule, prior to risk mitigation. Critical risks and opportunities will be prioritized for assistance with subsequent risk

management efforts. A summary of key draft results will be provided for Project team review.

4.4 RA Results Presentation

If requested, the draft “unmitigated” results of the RA will be presented to the Project team and DEPARTMENT management.

4.5 Risk Management (RM) Discussion

If requested, a more in-depth discussion of potential risk management actions that the DEPARTMENT may implement to address major Project risks will be conducted. This may be done in conjunction with the results presentation, or by a separate web meeting. For actions that are implemented, the risk assessment inputs will be revised to reflect:

- the cost of implementation
- changes to risk probability and/or impact following implementation.

The risk model will then be updated and “mitigated” results will be provided to the DEPARTMENT.

4.6 Draft and Final Report

The CONSULTANT will prepare a draft summary report documenting the analysis and unmitigated/mitigated results, incorporating any comments received on the preliminary results. The report will then be finalized, incorporating any comments received on the draft report.

4.7 Additional Support

The CONSULTANT will provide additional support as needed subject to allocated budget constraints, which may include up to two (2) informal risk model runs (“what if” analyses), participation (virtual) in team meetings, project management tasks, and other activities as needed.

Deliverables:

- *Draft and Final Cost Risk Assessment Report*

5 INDEPENDENT COST ESTIMATE (ICE)

Independent cost estimates have been prepared for three (3) alternatives developed (draft 15-percent level) as part of the preliminary design task order(s). These estimates will form the basis of information utilized in the initial VA and CRA activities. Following completion of these draft studies and with input from the stakeholders and public during the NEPA process, the estimates will be updated as part of the alternative updates.

The purpose of this task is to prepare reasonably reliable and accurate construction cost estimates to an equal level of detail for comparative purposes in the NEPA phase of the Project. It is understood that the accuracy of the estimates will be commensurate with the detail of the design developed at the time of the estimate.

The preliminary concept estimates are considered a Class 4 estimate as defined by the American Association of Cost Engineering (AACE). It is considered accurate to +30% to –20%, based upon a 1-15% design deliverable.

Life Cycle Cost Analysis services are NOT included in this Scope of Services.

Disclaimer: *The opinions of alternative construction cost estimates, and any resulting conclusions on Project financial or economic feasibility or funding requirements, have been prepared for guidance with Project alternative construction cost evaluation and implementation from the information available at the time the opinion was prepared. The final costs of the Project and resulting feasibility will depend on actual labor and material costs, competitive market conditions, actual site conditions, final Project scope, implementation schedule, continuity of personnel and engineering, delivery method and other variable factors. As a result, the final Project costs will vary from the alternative construction cost opinions presented herein. Because of these factors, Project feasibility, benefit/cost ratios, risks, and funding needs must be carefully reviewed prior to making specific financial decisions or establishing Project budgets to help ensure proper Project evaluation and adequate funding. It is recommended to consider a detail estimate for the final Project alternative for a high probability of program cost.*

Deliverables:

- Draft and Final Independent Cost Estimates for three (3) alternatives

6 PUBLIC RELATIONS

6.1 Business Outreach

The CONSULTANT public outreach team will coordinate briefings, stakeholder meetings, and prepare Project information materials for business owners throughout the Project area. The CONSULTANT will work with the DEPARTMENT Senior Project Manager, the right-of-way staff and the DEPARTMENT Public Information Officer to brief business owners and coordinate information and activities directly related to business outreach and right-of-way acquisition.

6.2 Community and Neighborhood Outreach

The CONSULTANT public outreach team will arrange and coordinate briefings for community and neighborhood groups. The team will prepare Project information materials in both English and Spanish for residents and property owners throughout the Project area. The CONSULTANT will work with the DEPARTMENT Senior Project Manager, the right-of-way staff and the DEPARTMENT Public Information Officer to brief the community and coordinate information and activities directly related to community outreach and right-of-way acquisition.

6.3 Public Involvement Plan

The Public Involvement Plan will be updated, as needed.

6.4 Collateral Material Development

The CONSULTANT shall develop all meeting materials that will be presented, including graphic displays and presentation materials as required or if requested by the DEPARTMENT. Graphics and information boards will coincide with materials prepared as a part of the technical disciplines' work.

6.5 Presentation Development

The CONSULTANT public outreach team will develop presentations for stakeholder meetings, including elected officials, business owners, community groups, and adjacent neighborhoods, to convey Project elements, progress, and benefits.

6.6 Group Stakeholder Meetings

The CONSULTANT public outreach team will organize and attend group stakeholder meetings with groups of impacted stakeholders, approximately ten (10) meetings to be held. The purpose of these meetings is to review the Project purpose and need, proposed improvements and benefits, and address any questions or concerns.

6.7 Individual Stakeholder Meetings

The CONSULTANT public outreach team will organize and attend individual stakeholder meetings with impacted stakeholders, up to twenty-five (25) meetings to be held. The purpose of these meetings is to review the Project purpose and need, proposed improvements and benefits, and address any questions or concerns.

6.8 Media Relations

The CONSULTANT public outreach team will continue assisting the DEPARTMENT Public Information Officer with media relations for 24 months.

6.9 Public Meeting and Public Hearing

The CONSULTANT public outreach team will manage all logistical elements of the meeting, provide staffing, and coordinate publicity including social media, direct mailings, flyers, web placement, newspaper advertisements, and door hangers in coordination with the DEPARTMENT's public information and hearings offices. In addition to notifying residents and businesses within a specific radius of the Project, the CONSULTANT will research and notify key residential areas, business owners, and stakeholders to ensure all interested parties have ample opportunity to provide feedback and input on this important Project. Two (2) meetings are assumed, including one public meeting and one public hearing. A virtual site will be developed to complement the in-person meeting and broaden the reach of our communication efforts.

6.10 Website

The CONSULTANT will maintain the Project website at www.ndotdap.com. The CONSULTANT shall develop cost-effective opportunities to publicize the website including, but not limited to, placement of the website name on all Project collateral materials and reciprocal links with appropriate sites. The CONSULTANT will assist the DEPARTMENT's Public Information Officer in providing information to the media regarding the website. The CONSULTANT will provide monthly site administration to include monthly updates, database administration, and statistical analysis and reporting throughout the Project.

6.11 Visualizations

Computer generated 3-dimensional visualizations have been prepared as part of the previous phase. The work included creating the existing project surroundings and the

three (3) project alternatives over the entire limits of the project and the adjacent development/terrain and preparing detailed project views and drive/fly-through simulations to support the public outreach activities.

The CONSULTANT will be responsible for providing supplemental visualization support, including updates to the original modeling for changes to the project alternatives and existing development/terrain, and for generating updated project views and drive/fly-through simulations of the project alternatives.

7 SURVEYS

7.1 Survey Control

Project survey control has been provided by the DEPARTMENT as part of the previous Scope of Services.

Right-of-way surveys for establishing DEPARTMENT, City or private party property boundaries are NOT included in this Scope of Services.

7.2 Field Survey

Field survey will be completed in a separate task order.

7.3 Mapping

Topographic mapping for the NEPA process has been completed as part of the previous Scope of Services.

8 Alternative Analysis

8.1 Alternative Analysis

Three (3) build alternatives have been developed to a 15-percent level of effort utilizing the topographic mapping, existing right-of-way, alignment and survey data provided by the DEPARTMENT. The Project alternatives include the following:

- No Build Alternative,
- Recessed Alternative,
- North Alternative, and
- South Alternative.

These alternatives will be updated as part of the NEPA process to include input from key stakeholders, the public, and the VA and CRA studies. Also, DEPARTMENT comments for each alternative have been carried forward to be incorporated during the environmental process. The updated alternatives will remain at the same 15-percent level of detail already developed.

Any changes will be reviewed with the DEPARTMENT prior to incorporating them into the alternatives.

Development of new alternatives are not included in this scope of services.

Design development to 30-percent or greater level of detail is not included in this scope of services.

Updating alternatives will continue to be coordinated with changes to the traffic to remain coordinated with the traffic needs along each alignment.

The updated alternatives will remain consistent with the previous phase and include the following information:

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

The preliminary alternatives will be prepared as plan roll plots at a scale consistent with public meeting exhibits. Key cross sections, profiles, structures and other locations of public interest will be prepared for exhibit purposes. No more than ten (10) exhibits will be prepared for each public meeting or hearing.

For coordination of the alternative designs, overall PDF plots of each will be prepared for the DEPARTMENT and the design team's information. These will be on an as needed basis in support of the design meetings and include relevant information for cross discipline coordination.

Deliverables:

- *Draft and Final Project roll plot exhibits for the Recessed, North and South alternatives*

8.2 Alternative Selection Process

The alternatives selection will entail:

- Development of a screening methodology
- Identification of the criteria and qualitative/quantitative measures that will be used to assess the alternatives
- Development of supporting alternative information to aid in the screening activities
- Screening and ranking of the alternatives and documenting the results
- Identification of the alternative to be carried forward as the preferred

The screening methodology is anticipated to be a screening "measles" type matrix process that provides a comparative assessment of the alternatives based on criteria developed from the Project Purpose and Need statement, with input from the DEPARTMENT, FHWA and key local agencies. The qualitative/quantitative measures for each criterion that are used to compare the alternatives will be developed to equally weigh the benefits and impacts of each alternative on the existing facility, traffic operations and environmental impacts. Each alternative will be compared using the measures to establish the degree of impact or benefit. All assessments (or rankings)

against the criteria will be summarized in the screening matrix. The evaluation findings will be presented to the DEPARTMENT for review and concurrence.

The alternatives and the identified preferred alternative will be documented in the Design Report.

Deliverables:

- *Summary of the screening methodology*
- *Summary of the qualitative/quantitative measures*
- *Draft and final summary of the screening and ranking of the alternatives*

9 ROADWAY / DESIGN REPORT

9.1 Design Criteria Update

The Project design criteria developed during the feasibility analysis will be updated. The criteria will be reviewed with the latest 2019 NDOT Road Design Guide and revised where guidance has been updated. Also, criteria are not provided for all facilities within the Project limits. The following will be expanded upon:

- Local streets
- Spaghetti Bowl system ramps
- US 95
- I-15
- Geometric cross section data specific to the Recessed Alternative

Each facility will be identified and added in support of the NEPA design updates and any future design tasks.

Deliverables:

- *Draft and Final Design Criteria*

9.2 Union Pacific Railroad (UPRR)

Coordination will be continued with the UPRR in support of the grade separated crossings of the mainline tracks west of Main Street. The preliminary crossing designs (draft 15-percent level) and their status is as follows:

- Recessed Alternative
 - Conceptual railroad structure developed
 - Trackwork for construction staging developed
 - Conceptual design submittal made to UPRR and comments received
- North Alternative – UPRR crossing not developed
- South Alternative – UPRR crossing not developed
- Mainline spur track reconstruction (north of I-515) for the Recessed and North alternatives not developed

- Two meetings have been held with UPRR to develop the Recessed Alternative crossing and obtain their input.

The Recessed Alternative will be updated to incorporate changes to the Project footprint and structure footprints. No changes to the trackwork will be made. Freeway structure conceptual designs will be prepared for the North Alternative crossing, South Alternative crossing and the spur track reconstruction. The level of detail will be consistent with the level of design for the alternatives and sufficient to prepare separate conceptual crossing submittals to UPRR for their input. The crossings will be updated and incorporated into the Project alternatives based upon UPRR and DEPARTMENT input.

Two coordination meetings are planned with UPRR on the alternatives/crossings.

The DEPARTMENT will be responsible for all communication with UPRR.

Deliverables:

- *Draft and Final crossing exhibits for the North and South crossings*
- *Updated crossing exhibits for the Recessed crossing*
- *Draft and Final exhibits for the mainline spur track reconstruction*

9.3 Design Exception Documentation

Design exceptions have been identified as part of the Alternatives Analyses. These will be updated as necessary based on the revisions made to the alternatives. Exceptions will be identified and analyzed during the development of the design updates and documented in accordance with the requirements for the Design Report.

The Project design exception exhibits prepared during the alternatives analyses that give the location and description of each exception will be updated to include any changes. No additional detail will be included.

Deliverables:

- *Draft and Final design exception exhibits for the three (3) alternatives*

9.4 Right-of-Way Impacts

A Project right-of-way footprint has been developed for each alternative and the impacts to each parcel summarized. This information will be updated as necessary based on the revisions made to the alternatives. See the scope of services for Right-of-Way.

The existing right-of-way exhibits for each alternative will be updated. The right-of-way impacts spreadsheet (excel format) for each alternative will be updated to include any changes to the right-of-way information. No separate parcel exhibits will be prepared.

Deliverables:

- *Draft and Final updated right-of-way impact exhibits for the three (3) alternatives*

9.5 Design Report

The Design Report (encompassing the Project Scoping and Alternative Analyses) will provide documentation of actions taken, decisions made, and information obtained during the planning and design stages. This segment of the Design Report will

specifically document information developed through the Preliminary Design only. The Design Report will be sufficiently detailed to make evident the disposition of existing facilities, as well as the relationship of design features to the existing and projected environment. The alternatives considered and the selection process will be documented. Cost estimates will be included to support recommendations between major Project alternatives.

The Design Report will be a compilation of the following Project-specific elements:

- Project Description
- Existing Horizontal and Vertical Alignment and man-made features
- Design Criteria
- Alternatives Development Process
- Alternative Selection Process
- Alternatives and Roadway Geometrics
- Design Exceptions
- Bridge Structures
- Right-of-Way
- Utilities
- Highway Safety
- Construction Cost Estimates
- Environmental Considerations

Exhibits of the Project alternatives, design and other supporting data will be included as required to support the conclusions of the report. The exhibits will be prepared to a consistent scale representative of the detail shown and included in the report appendix. Plan documents (11x17) will be prepared for the three (3) alternatives to be included in the Design Report appendix for documentation of the alternatives considered. Profiles and superelevation diagrams will not be prepared as 11x17 exhibits.

Deliverables:

- *Draft and Final Design Report*

10 STRUCTURES

10.1 Alternatives Updates Coordination

The CONSULTANT will provide structures support and input as all three (3) alternatives are updated to their final configurations.

The CONSULTANT's structures team will attend meetings as necessary to coordinate bridge, retaining wall and miscellaneous structures work with NDOT Structures Division and with other disciplines.

See Section 18, US 95 HOV Lane Addition, for additional work not included here.

No work on the over-height retaining walls for the recessed alternative will be performed.

Deliverables:

- *Updated bridge footprints and retaining wall locations for each alternative*

11 MATERIALS / GEOTECHNICAL

The CONSULTANT will perform preliminary geotechnical support and evaluation of bridges and retaining walls based on the existing geotechnical data. The CONSULTANT will summarize the preliminary geotechnical recommendations in a memorandum and finalize it after DEPARTMENT review.

No work on the over-height retaining walls for the recessed alternative will be performed.

11.1 Retaining Walls/Sound Walls/ Miscellaneous Structures

The CONSULTANT will provide preliminary geotechnical recommendations for retaining walls. In addition, the CONSULTANT will identify potential geologic/geotechnical hazards that may impact the type selection of the walls. The CONSULTANT will prepare a draft technical memorandum summarizing the preliminary geotechnical recommendations for the DEPARTMENT's review and comment.

Deliverables:

- *Draft geotechnical memorandum – A single memorandum with preliminary geotechnical recommendations for proposed retaining walls.*

12 PRELIMINARY DRAINAGE UPDATE and STORMWATER QUALITY

12.1 Alternatives Study and Coordination

Stormwater quality for the Project limits are mostly accommodated by the regional flood control facilities that protect and treat runoff to Lake Mead. However, there is the potential for existing stormwater systems to not drain into a regional facility prior to the Lake. These systems will require water quality treatment by the Project. These areas will be identified and incorporated into the Project drainage and stormwater quality for each alternative.

The CONSULTANT shall coordinate with Project stakeholders and the Project design team to develop alternative level drainage layouts in support of the roadway and geometrics alternatives study. Drainage layouts shall include locations where major drainage facilities can be maintained in place, conceptual alignments and sizing for relocation of major drainage facilities, conceptual discharge locations for onsite drainage facilities, and permanent Best Management Practices (BMP) locations.

12.2 Preliminary Drainage

The CONSULTANT shall update the Preliminary (15-percent) drainage designs for the three (3) build alternatives, consistent with the changes made to the alternatives (see Section 8).

- Recessed Alternative
- North Alternative
- South Alternative

The updated preliminary designs shall be added to the previously prepared roll plots. No plan sheets will be prepared. The updates shall incorporate the following:

- Refinements to accommodate finalized alternative roadway geometry for all three (3) alternatives.
- Refinement to accommodate finalized alternative structural elements.
- Refinements to address the DEPARTMENT's Hydraulics Division comments.
- Addition of conceptual permanent stormwater quality facilities.

Preliminary drainage design roll plots shall be in conformance with the Conceptual Plan Submittal requirements, as outlined in Table B-2 of the NDOT Drainage Manual. The plans will include, but are not limited to:

- Conceptual layouts for on-site drainage systems.
- Preliminary layouts for major off-site drainage systems, to a level of design to required set drainage right-of-way requirements.
- Preliminary profiles for major off-site drainage systems, to a level of design required to set right-of-way and identify major wet utility coordination requirements.
- Conceptual permanent stormwater quality facilities, to a level of design required to set drainage right-of-way requirements.

12.3 Preliminary Drainage and Stormwater Quality Design Report

No Preliminary Drainage and Stormwater Quality Report was prepared as part of the previous scope of services. The CONSULTANT shall prepare a Preliminary Drainage and Stormwater Quality Design Report to document the three (3) build alternatives, in conformance with the Alternative Drainage Report Content as outlined in Appendix A of the NDOT Drainage Manual. The Design Report shall be presented as a supplement to the Project's previously submitted Offsite Hydrology Report.

Deliverables:

- Updated Preliminary Drainage plan roll plots and major offsite facility profiles for each alternative, in PDF format.
- Preliminary Drainage and Water Quality Design Report in PDF format.

13 TRAFFIC ANALYSIS / CHANGE IN CONTROL OF ACCESS

13.1 Traffic Operations Analysis

The CONSULTANT shall utilize the traffic analysis prepared as part of Amendment 5 Task Order 2. The analysis in the previous phase assessed the relative difference in operations between the following scenarios:

- Existing Conditions (2019)
- Design Year 2040 No-Build Conditions
- Design Year 2040 Build Conditions – Alternative 1 (Recessed Alternative)
- Design Year 2040 Build Conditions – Alternative 2 (North Alternative)
- Design Year 2040 Build Conditions – Alternative 3 (South Alternative)

The Design Year 2040 Build Condition analysis from the previous phase will be revised to reflect geometric refinements made during this new phase of Project development. Existing Condition and Design Year 2040 No-Build Condition modeling will not be revised. In addition, the study area and analysis periods will remain the same as in the previous phase. No additional changes to the modeling or forecasting will be made during this phase of the Project.

The following measures of effectiveness will be reported as part of the analysis:

- Network performance (i.e., vehicle hours travelled (VHT), vehicle miles travelled (VMT), average speed, average delay)
- Freeway performance metrics:
 - Volume served (GP and HOV Lane)
 - Speed (GP and HOV Lane)
 - Density (GP and HOV Lane)
 - Select OD travel times
- Intersection performance metrics:
 - Average delay by movement, approach, and intersection
 - Queue length by movement, approach, and intersection

The revised modeling results will be documented in the traffic report and environmental document.

Deliverables:

- *Draft and Final Traffic Analysis Report*

13.2 Change in Control of Access Report

The Change in Control of Access Report is NOT included in this Scope of Services.

13.3 Highway Safety

Highway safety services are NOT included in this Scope of Services.

13.4 Signals

Traffic signal services are NOT included in this Scope of Services

13.5 Lighting

Lighting services are NOT included in this Scope of Services.

13.6 Signing

Signing, as a part of the Change in Control of Access Report, is NOT included in this Scope of Services.

13.7 Traffic Control

The Traffic Management Plan and traffic control services are NOT included in this Scope of Services.

14 INTELLIGENT TRANSPORTATION SYSTEM (ITS) & FAST

ITS and FAST facilities will be identified as part of the existing utilities mapping only. No other ITS and FAST services are included in this Scope of Services.

15 LANDSCAPE and AESTHETICS

Landscape and Aesthetics services are NOT included in this Scope of Services.

16 RIGHT-OF-WAY

The CONSULTANT will provide right-of-way services to prepare a Relocation Plan and to support the Right-of-Way Impacts task.

16.1 Relocation Plan

The CONSULTANT will prepare a Relocation Plan to identify and determine the specific needs and preferences of those potentially displaced by the Project. The Plan will be prepared in a manner that recognizes the problems associated with the displacement of individuals and businesses and develops solutions to minimize the adverse impacts of displacement. The planning will be scoped to the complexity and nature of the displacing activity.

The process of preparing a Relocation Plan of this magnitude begins with identifying the owners and occupants of the impacted parcels, and thereafter inspecting all relevant public information on the affected businesses and interviewing the affected residential owner occupants, rental occupants, and residential rental owners and/or managers who agree to meet with our staff. The work plan for each identified occupant class is generally as follows:

Business Displacements

- Secure ownership information, assessor's data, and other information from the public domain
- Interview consenting business owners or analyze public records to determine the following, if relevant:
 - Number of employees
 - Replacement site requirements
 - Current lease terms
 - Financial capacity
 - Time required to vacate
 - Ease/difficulty in locating a replacement site
- Conduct a search of knowledgeable realtors, Realtor.com, and other services to estimate the availability of replacement sites
- Consideration of any special relocation advisory services

Residential Tenant Displacements, if any

- Secure ownership information, assessor's data, and other relevant information from the public domain
- Interview landowner and/or tenant to determine rental rates and secure rent rolls, if possible

- Interview consenting tenants to determine household composition and to consider the impact on large families, the elderly, persons with disabilities, and minorities
- Conduct replacement housing study to determine the number of replacement dwellings in the area
- Consider housing of last resort actions
- Consideration of any special relocation advisory services

Residential Owner-Occupant Displacements, if any

- Secure ownership information, assessor's data, and other relevant information from the public domain
- Conduct MLS, Realtor.com, or related search to determine the probable value of subject
- Interview consenting occupant-owners to determine household composition and to consider the impact on large families, the elderly, persons with disabilities, and minorities
- Conduct replacement housing study to determine the number of replacement dwellings in the area
- Consider housing of last resort actions
- Consideration of any special relocation advisory services

Deliverables:

- *Draft and Final Relocation Plan for the three (3) alternatives*

16.2 Right-of-Way Engineering

Right-of-way engineering services are NOT included in this Scope of Services.

16.3 Right of Way Setting Assistance

Right-of-way setting services are NOT included in this Scope of Services.

16.4 Property Research and Public Inquiries

Provide right-of-way support for the Right-of-Way Impacts task:

Right-Of-Way Cost Estimates

The CONSULTANT will update and modify right-of-way cost estimates for the Alternatives Analyses as the design progresses, which will include the cost of acquisition, relocation, interim property management and demolition of the improvements.

Ownership/Property Spreadsheets

Ownership/property information will be updated for the alternatives. Ownership spreadsheets shall be updated for the Project as the design proceeds and will include the following information: Assessor Parcel Numbers, Street Address, Number of Units, NDOT parcel numbers (when available) and notes. This shall be prepared in electronic format to accommodate the inclusion or deletion of parcels in the future.

Deliverables:

- Updated right-of-way cost estimates for three (3) alternatives
- Updated property ownership information for three (3) alternatives

Owner/Public Inquiries

The CONSULTANT will respond to property owner inquiries and informational requests referred by Public Relations personnel.

Title Services

Title services are NOT included in this Scope of Services.

17 UTILITY COORDINATION

17.1 Utility Rights Research

The CONSULTANT will research and make a preliminary determination, by the examination of permits, as to which party shall bear the cost of relocation. If a utility relocation is identified as being eligible for reimbursement for costs and easement rights as defined under the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, Title II – Uniform Relocation Assistance, the CONSULTANT team will assist in the identification of replacement easements.

The CONSULTANT will be responsible for utility coordination services, including but not limited to, coordination with applicable utility companies or entities. The CONSULTANT shall be required to coordinate and attend monthly utility coordination meetings with DEPARTMENT Right-of-Way and Utilities staff. The meetings will be facilitated by the CONSULTANT and include the CONSULTANT's project manager and task leads, the DEPARTMENT's Senior Project Manager and team leads, and representatives of any affected utility companies or entities. All coordination and communications with utility companies or entities will be the responsibility of the CONSULTANT with input from the DEPARTMENT's utility section supervisor. Utility rights research will include, but is not limited to, the following:

- Existing utility rights research
 - Identification of existing physical utilities and associated rights in the Project vicinity
 - Coordination and communications with representative(s) of the identified utilities regarding type and status of documentation relating to established rights
 - Review of public, readily available documentation that might be applicable to the identified utility rights such as recorded maps, deeds, easements or other related property records. Title reports will not be acquired.
 - Preparation of a Project area overview exhibit to facilitate coordination with utility staff (prepared by design team).
 - Preparation of base mapping to document the findings of rights research. We assume a base map of the proposed project improvements will be provided by others in MicroStation format, and that applicable findings will be overlaid on this map for discussion and coordination purposes.
- Identify potential relocation locations

- Receive, review and coordinate potential utility conflicts identified by the Project design team. Coordination will be conducted through a single point of contact on the design team, who will forward to the Utility Coordinator applicable questions, concerns, and identified conflicts in a timely manner upon identification during the design process.
- Design team will provide conflict area drawings to the Utility Coordinator for further consideration. Conflict drawings will be produced to scale utilizing project design coordinates and existing utility information, with reviews occurring both internal to the project team and external with the affected utilities.
- Utility Coordinator will meet with both design team and utility staff. Coordination will include discussion regarding both the physical utility conflicts and any rights or right-of-way conflicts applicable to each potential conflict condition identified.
- It is assumed that the proposed design will follow the following priorities when encountering potential conflict situations:
 - Avoidance of the conflict condition
 - Accommodate the conflict condition through design considerations
 - Relocate the existing utility

17.2 Utility Coordination

Subsurface utility engineering (SUE) Level A Utility base mapping, based upon DEPARTMENT and utility company records research has been prepared previously. This information will be updated based on the updated Project alternatives.

To facilitate existing utility coordination, a preliminary overview exhibit of the proposed project area of improvement will be prepared and provided to the Utility Coordinator. Relying upon this exhibit, the CONSULTANT will reinstate coordination with companies or entities with existing utility facilities in the project vicinity. Coordination will be conducted with the goal of obtaining updates to existing utility records, including “red line” drawings or applicable GIS tiles or electronic files. Obtained information will be provided to design teams for verification with field survey and aerial photographic data, and for inclusion in the updated design file base maps.

CONSULTANT will submit two (2) sets of plan exhibits and electronic files (as applicable) to the utility companies along with written authorization (NDOT 708 Form and any utility-specific supporting information) for them to incur costs for the prior rights research.

SUE will be required to obtain design confirmation of existing utility locations in critical areas affecting the alternatives. It is assumed that utility locate exhibits, including pothole exhibits, will be provided by the design team for Utility Coordinator review and confirmation. Actual entity or utility coordination and permitting would be prepared and submitted by the SUE CONSULTANT with Utility Coordinator input. It is projected that utilities may need to be coordinated with up to twelve (12) total companies or entities, and that no more than five (5) of these will involve facility relocations to accommodate the proposed design.

The CONSULTANT will coordinate the planning for relocation of utilities to accommodate the Project with the affected utility owners and DEPARTMENT Right-of-Way personnel. The CONSULTANT will determine, by the examination of easements, permits, and/or other evidence of the utility's rights to occupy the area of conflict, which shall bear the cost of relocation.

17.3 Subsurface Engineering

The CONSULTANT shall contract with a DEPARTMENT approved SUE CONSULTANT to physically locate all known subsurface utilities within the Project limits (Quality Levels C through A). Horizontal and vertical utility locations shall be determined by survey location of the utility company field markings and by potholing at key proposed relocation tie-in points, crossing points of proposed facilities with existing utilities, and locations where excavations for proposed facilities are likely to be in close proximity to existing utilities. Up to 70 locations will be potholed. These are in addition to the previous potholing activities completed.

Deliverables:

- *Utility company field locations for surveying*
- *Potholing exhibits for up to 70 potholes.*

18 Alternatives Analysis – US 95 HOV Lane Addition

18.1 Alternatives Analysis

The Project alternatives through the Spaghetti Bowl Interchange and US 95 have been developed providing one option to extend the HOV system through the Spaghetti Bowl to conform with the existing facilities west of Rancho Drive. This option includes utilizing 11-foot lanes and minimal shoulder widths (as narrow as 1-foot), in addition to bridge widening and span reconstructions to incorporate the lanes. The option is included in the three (3) build alternatives under consideration.

As part of the alternative analyses process, two (2) additional options will be prepared to accommodate the new HOV lanes through the Spaghetti Bowl and US 95, in addition to the currently proposed configuration. Within the footprint of the Spaghetti Bowl interchange, the HOV lanes on I-15 will also be considered. The options will consist of:

- Option A – Provide standard lane and shoulder widths on US 95, the service and system ramps and the collector-distributor ramps
- Option B – Provide a combination of lane and shoulder reductions, balanced between meeting design standards and the current proposal
- Option C – Concept currently included in the alternatives

Option A will be developed, and the draft submitted to the DEPARTMENT for review and comment. Option B will be developed through a comparison of Options A and C with the DEPARTMENT and will be developed and submitted for review and comment.

The selected option(s) will be incorporated into the Project alternatives.

18.2 Structures Support

The CONSULTANT will develop concept-level bridge configurations in support of the alternatives analysis for the HOV lane addition through the Spaghetti Bowl Interchange and the US 95 corridor. The CONSULTANT will review opportunities for substructure placement, establish span lengths, and assess superstructure depth to aid in the development of horizontal and vertical roadway geometrics. Plan views of generalized bridge configurations will be prepared for each alternative in MicroStation design file format for referencing into the roadway alternatives study exhibits.

Deliverables:

- *Draft roll plot exhibits of two (2) options. The final option will be incorporated into the Project alternatives.*

19 ENVIRONMENTAL ASSESSMENT / NEPA

The CONSULTANT will prepare a Draft Environmental Impact Statement (EIS) for the Project as specified in 23 CFR 771 and 23 CFR 774. The Draft EIS will be prepared consistent with the NEPA Act of 1969, the Council on Environmental Quality (CEQ), DEPARTMENT guidance, and Federal Highway Administration (FHWA) implementing regulations, policy, and guidance for NEPA.

The iterations of the Draft EIS document are:

1. Administrative Draft – The DEPARTMENT, FHWA Nevada Division, FHWA Legal and cooperating agency review.
2. Revised Administrative Draft – The DEPARTMENT, FHWA Nevada Division and participating and cooperating agency review.
3. Camera-ready for DEPARTMENT/FHWA approval – The CONSULTANT will author, edit, and revise the document per direction from the DEPARTMENT, FHWA, and appropriate resource agencies. The Alternatives sections of the EIS will be provided in advance of the Administrative Draft EIS for early DEPARTMENT and FHWA review to streamline the review process.

19.1 NEPA Task Manager

The CONSULTANT NEPA Task Lead will manage preparation of deliverables, review progress against schedule, monitor task budgets and staffing, and report monthly design progress and change.

The CONSULTANT Environmental Task Lead will coordinate development of the Draft EIS with staff, the DEPARTMENT and Project stakeholders. This includes

- Arrange and conduct internal coordination meetings with staff
- Arrange and conduct, or attend, meetings with engineering staff
- Coordinate with the DEPARTMENT counterparts

The CONSULTANT Environmental Task Lead will coordinate with the Quality Manager to ensure all documents are being directed through the quality process prior to publication.

19.2 Author

The Draft EIS Author will aggregate and summarize the technical studies prepared by the engineers, planners and environmental scientists in a manner that can be easily understood by the public. This includes organization of the document, identification of illustrations, graphs, charts and other infographics that assist the reader with absorbing technical conclusions and crafting text that presents technical information in a familiar way. The Draft EIS will follow the same appearance as the Reno Spaghetti Bowl Draft EIS. The Draft EIS Author will also edit and revise the Draft EIS per direction from the DEPARTMENT, FHWA, and participating and cooperating agencies.

19.3 Meetings

19.3.1 General Project

NEPA coordination meetings and document review with the DEPARTMENT and FHWA (24 meetings: 6 in-person meetings and 18 conference calls).

Two (2) meetings will be conducted with cooperating and participating agencies to discuss their comments on the Project's range of alternatives and preferred alternative.

19.3.2 Agency Coordination

Beyond the meetings described below, agency coordination will include letters, phone calls, and other forms of coordination with the public and local, regional, state, tribal, and federal agencies.

19.3.3 State/Local Agencies

19.3.3.1 SHPO

Section 106 Consultation Meetings and other coordination meetings with SHPO: three (3) consultation meetings and three (3) other meetings.

19.3.3.2 Interagency Air Quality Consultation Meeting

The CONSULTANT will prepare for and participate in one (1) Regional Transportation Commission of Southern Nevada (RTCSN) meeting with local, state and federal agencies to discuss air quality conformity.

19.3.4 Federal Agencies

Up to seven (7) individual meetings/conference calls with federal agencies will be conducted. It is assumed that no Least Environmentally Damaging Practicable Alternative (LEDPA) memorandum will be submitted to the Corps of Engineers.

19.3.5 Agency Scoping Meeting

This work was scoped under Task Order 5 Amendment 2.

19.3.6 Agency Coordination Plan and Impact Assessment Methodologies

Most of this work was scoped and completed under Task Order 5 Amendment 2. The CONSULTANT will provide one update of the Agency Coordination Plan and Impact Assessment Methodologies.

19.3.7 Tribal Coordination

CONSULTANT will prepare needed presentation and display materials required by the DEPARTMENT to conduct Section 106 related consultations.

19.4 Purpose & Need (Section 1)

Most of this work was scoped and completed under Task Order 5 Amendment 2. The CONSULTANT will update the Purpose and Need section to incorporate any new crash data and geometric deficiencies developed, as well as address any additional comments from the DEPARTMENT and FHWA.

19.5 Alternatives/Preferred Alternative (Section 2)

A complete draft version of the Alternatives/Preferred Alternative section will be prepared and submitted to the DEPARTMENT and FHWA for review. This document, including revisions and subsequent updated versions will be prepared under a separate scope of services.

It is assumed that three (3) build alternatives identified as reasonable, plus the No-Build alternative will be evaluated in detail in the EIS. The four (4) alternatives considered include:

- No-Build
- Recessed
- North
- South

The No-Build Alternative will serve as a baseline for comparison to the Build Alternatives. The EIS will also describe additional non-reconstruction alternatives (e.g., Transportation Demand Management and Transportation System Management).

19.6 Affected Environment, Impacts & Mitigation (Section 3)

The CONSULTANT will write this section of the Draft EIS based on the resource analysis described below.

19.6.1 Air Quality Analysis

An air quality analysis will be performed for the Project based upon NEPA requirements, the conformity provisions of the Clean Air Act Amendments, and other state and federal environmental requirements. An air quality technical report will be prepared, and the analysis will be summarized into the air quality section of the environmental document. The CONSULTANT will address one round of comments from the DEPARTMENT on the draft technical report before finalizing it and incorporating it into the environmental document.

The Project is subject to transportation conformity requirements. Regional conformity will be demonstrated by the inclusion of the Project in the latest conforming Regional Transportation Plan (RTP) and the Federal Transportation Improvement Program (FTIP). Project level conformity will be evaluated through the hot spot analysis for nonattainment or maintenance pollutants, including carbon monoxide (CO), ozone (O₃) and particulate matter with aerodynamic diameter equal to or less than 10 micrometers (PM₁₀) for the Project area.

A quantitative CO hot spot modeling will be performed for the affected intersections in the Project area following EPA CO modeling guidance. Up to six (6) intersections will be modeled for the Project including existing condition, No-Build, and up to two (2)

build alternatives to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS).

Potential PM₁₀ hot spots will be evaluated following the USEPA/FHWA's Transportation Conformity Guidance for Quantitative Hot-Spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas (November 2015). Detailed Project specific traffic data is not yet available, so for contract scoping purposes it is conservatively assumed that a quantitative PM₁₀ air dispersion modeling analysis will be required for the preferred alternative to demonstrate conformity. The CONSULTANT will coordinate with local, state, and federal agencies early in the process of the PM hot spot analysis to verify the appropriate modeling requirements. Although quantitative PM₁₀ conformity modeling is required for the preferred alternative only, the CONSULTANT will perform the PM₁₀ hot spot modeling for all build alternatives to meet the Project level conformity requirements as well as the PM hot spot analysis under NEPA. It is assumed that the build alternatives will not cause new violations to the national ambient air quality standards of PM₁₀, therefore, further modeling and comparison of PM₁₀ concentrations at each receptor to the No-Build alternative would not be needed. The CONSULTANT will provide required documentation for the interagency consultation processes for concurrence on the level and methodology of the PM₁₀ hot spot analysis.

A Mobile Source Air Toxics (MSAT) analysis will be performed for the Project following FHWA's 2016 Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents.

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

Evaluation of the greenhouse gas (GHG) impacts will follow the current FHWA and DEPARTMENT guidance in place as of the time the Notice of Intent to prepare an EIS is published.

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

Deliverables:

- *A technical report will be prepared for this analysis.*

19.6.2 Traffic Noise Analysis

The CONSULTANT will coordinate with the DEPARTMENT to present a discussion of traffic noise impacts and proposed noise abatement measures using the technical report prepared by the DEPARTMENT for the existing condition and three alternatives in the DEIS. CONSULTANT will provide DEPARTMENT the mapping used to develop the 15-percent plans and the 15-percent plans as of August 2020, for use in performing the noise analysis. Supplementary mapping, if needed, will be obtained by the DEPARTMENT.

Assumptions

- The CONSULTANT will not modify any of the TNM models.
- The CONSULTANT will not draft or review the noise technical report.

19.6.3 Construction Noise Analysis

The CONSULTANT will include discussion of local laws applying to construction noise in the Draft EIS.

19.6.4 Visual Effects Analysis

An Aesthetic/Visual Resource Technical Report will be developed and summarized for the Aesthetic/Visual Resource section of the EIS. The FHWA visual impact assessment methodology will be used. This methodology was developed by FHWA to objectively consider potential visual effects from roadway projects on the landscapes they pass through. The methodology is documented in the publication Visual Impact Assessment of Highway Projects (FHWA, 1988).

19.6.4.1 Project Initiation

The CONSULTANT will prepare a set of GIS maps and Google Earth files that display the proposed Project features and areas of potential effect (APE) that extend 0.25 and 0.5 miles from the highway right-of-way. Relevant local and state plans, policies, and design guidelines will be collected and reviewed to identify important views and visual resources. The CONSULTANT will study Google Earth and aerial photographs to identify areas within the APE that contain sensitive viewers (people who may be concerned with changes to views toward the highway).

The CONSULTANT will develop base drawings/map book to use during field work that will identify areas with sensitive viewers. Based on review of Google Earth, aerial photographs, Google Earth Street View photos and communication with DEPARTMENT staff, the CONSULTANT will identify views that have the potential to be appropriate for use as Key Observation Points (KOPs). The set of views defined in collaboration with the DEPARTMENT is intended to ensure that the field investigators will visit and document the existing conditions at the locations where there may be the greatest concerns about the proposed Project's potential visual effects. Once the preliminary potential locations of concern have been identified, KMZs of these locations will be sent to DEPARTMENT staff to prepare for an in-person meeting at the start of the site visit.

Assumptions

- The APE will be between 0.25 and 0.5 mile from the edge of the corridors.

19.6.4.2 Site Visit/Post Site Visit

At the start of the site visit, the visual resource analyst will meet with the DEPARTMENT staff to review proposed locations for field investigations, get feedback on issues to be aware of, and get suggestions on additional sensitive areas to visit during the site visit. During the site visit, photographs of views towards the proposed Project from each of the sensitive locations identified will be taken using the appropriate camera equipment and the photo locations will be recorded. In addition, photographs from other locations within the APE will be taken and used to illustrate the existing landscape character of the APE. After the site visit, photographs will be assembled and reviewed and a set of views that appear to be the strongest candidates for use as the KOPs on which the Visual Impact Analysis will be based will be submitted to the DEPARTMENT staff. Based on consultation with the DEPARTMENT staff, six (6) of the candidate views will be selected for use as KOPs.

Assumptions

- Visual resource analyst will meet with DEPARTMENT Staff in Las Vegas at the start of the site visit.
- Will visit the locations of potential visual impact within the APE identified through the Project initiation period analysis and consultation with DEPARTMENT staff.
- Will select up to twelve (12) locations as KOP candidates, and in consultation with the DEPARTMENT will select six (6) views for use as KOPs and development of simulations.

19.6.4.3 Existing Conditions

An existing conditions analysis will be prepared that summarizes relevant findings from plans, policies and guidelines; divides the APE into landscape units (smaller geographic areas that assist in evaluating large areas) as per the FHWA methodology; describes the general visual/aesthetic conditions of the landscape units; describes the specific existing conditions of the KOPs using the FHWA rating system (FHWA rating tables will be included in an appendix), and assembles a series of character photographs that will supplement the KOP photographs in depicting the general landscape character and visual quality of the APE.

19.6.4.4 Impact Assessment

Prepare visual simulations of each of the proposed Project alternatives from each of the six (6) KOPs – this will result in a total of eighteen (18) simulations. Based on review of the simulations, the impact assessment will be conducted using the FHWA rating sheets to determine if, how, and why the character and visual quality of the views toward the Project alternatives from the KOPs would change. These findings will be described in the text of the impact assessment and will be used to determine the effectiveness of potential mitigation measures. Areas where current noise walls near sensitive receptors (that block views of the highway) will be removed or altered by the alternatives will be identified.

Assumptions

- A total of eighteen (18) visual simulations will be prepared to represent the three alternatives (3) as viewed from the six (6) KOPs.

19.6.4.5 Mitigation Measures

Mitigation Measures employed by the DEPARTMENT on similar projects will be described and photographs of those measures will be collected or taken to be included in the Aesthetics/Visual Technical Report. The likely effectiveness of these measures will be described. Four visual simulations will be prepared that depict potential visual mitigation measures installed within the Project area. It is assumed that new visual mitigation measures will not be developed.

Assumptions

- The DEPARTMENT will supply the photographs of existing mitigation measures and new mitigation measures will not be developed.
- No more than four (4) simulations will be prepared of views of mitigation measures proposed for installation to attenuate the Project's visual effects.

19.6.4.6 Prepare the Aesthetic/Visual Technical Report

The CONSULTANT will prepare a draft technical report that documents the analysis procedures, the analysis results, and the findings. In addition to the text, the report will include figures documenting the locations of the features of each of the Project alternatives and their relationships to their settings, maps indicating the boundaries of the APE and the landscape units, and the locations of the KOPs. It will also include photos that characterize existing landscape conditions in the Project area. In addition, for each KOP, it will include a photo that documents the existing view as well as simulations of the view as it would appear with each of the three (3) alternatives in place. The report will also include photos of mitigation measures that the DEPARTMENT typically uses as well as four (4) simulations of views looking toward the Project in which selected mitigation measures are depicted. A draft of the document will be provided to the DEPARTMENT for review, and based on the DEPARTMENT'S review comments, it will be revised and put in final form.

Assumptions

- Once the draft report is submitted to the DEPARTMENT, there will be only one review and revision cycle.

19.6.5 Environmental Justice Analysis

To the greatest extent possible, the CONSULTANT will utilize existing data gathered as part of Task Order 5 Amendment 2. This will require preparation of documentation (approximately 1-2 page memo) attesting to the validity of that data for use in the current study and will also document the potential need for conducting updated data gathering. The CONSULTANT will conduct an environmental justice analysis to determine potentially disproportionately high and adverse impacts based on the discipline reports, environmental document sections, and results of public outreach activities conducted as part of the NEPA review of the Project, considering the demographics of the Project area. A Draft and Final Environmental Justice Technical Report will be prepared.

The environmental justice analysis will consist of the following:

- **Study Area Demographics:** This section was scoped and completed under Task Order 5 Amendment 2.
- **Outreach to Minority and Low-Income Populations:** This section will describe the measures implemented to involve minority and low-income populations in the decision-making process. A summary of effects identified by minority and low-income populations within the study area will be provided, if any have been so identified. Information on the environmental justice survey will be incorporated into this section.
- **Project Impacts, Mitigation, and Benefits:** This section will review the location, intensity, and duration of the anticipated impacts, summarize who (from a minority and income perspective) would be affected by these impacts, summarize proposed mitigation for the identified impacts, and summarize anticipated Project benefits. A qualitative assessment will be made of the Project's likelihood for causing disproportionately high and adverse impacts on minority and/or low-income populations. Key analyses to be conducted include the following: a review of anticipated Project impacts, as identified in the

Project's technical reports, NEPA document sections, and results of the outreach activities, will be conducted to identify impacts to all populations, including minority and low-income populations; a comparison of impacts to minority and low-income populations versus effects to the general population will be conducted where appropriate; and discussion of whether proposed avoidance, minimization, and mitigation measures will be effective in addressing potential impacts to minority and low-income populations will be provided.

- **Final Determination and Conclusion:** This section will present the final determination and conclusion of whether or not the Project would result in disproportionately high and adverse impacts on minority and/or low-income populations.

19.6.6 Jurisdictional Waters Impact Analysis

The CONSULTANT will inventory and evaluate all surface water resources including creeks, wetland, ponds, and urban drains that may be impacted by the proposed Project. This inventory and evaluation consist of:

- Utilize existing government issued data (e.g. National Wetland Inventory and National Hydrographic Dataset), evaluate the extent of federally jurisdictional regulated waters within the Project APE.
- Map all regulated surface waters within the Project APE in order to provide specific data for overall resource impact analysis.
- Identify if any US Army Corps of Engineers Civil Works projects will be impacted.
- Assess potential permit requirements and mitigation measures for proposed Project impacts within the APE.
- If wetlands are present within the Project limits, the wetlands will be delineated in accordance with the 1987 "*Corps of Engineers Wetland Delineation Manual*" and "*Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (Version 2.0 or latest version) to determine if the wetlands are jurisdictional to the US Army Corps of Engineers.

The CONSULTANT will assess groundwater resource within the Project APE. The CONSULTANT will utilize existing government data (e.g. U.S. Geologic Survey, NV Bureau of Mines and Geology, University of Nevada Las Vegas) to assess extent and utilization of groundwater resources within the Project APE. The CONSULTANT will assess potential mitigation measures for proposed Project impacts within the APE.

A stand-alone technical memo will not be completed for this resource.

19.6.7 Floodplain Impact Analysis

No floodplain is in the Project area based on investigation completed under Task Order 5 Amendment 2. No additional floodplain impact analysis is planned.

19.6.8 Hazardous Material Impact Analysis

To the greatest extent possible, the CONSULTANT will utilize existing data gathered as part of Task Order 5 Amendment 2. This will require preparation of documentation (approximately 1-2 page memo) attesting to the validity of that data for use in the current study and will also document the potential need for conducting updated data

gathering. The CONSULTANT will provide a State of Nevada, Certified Environmental Manager (CEM) to oversee and conduct the following activities to screen for the presence of hazardous/contaminated sites in the Project corridor:

- A search of available federal and state online GIS maps and a regulatory database search for the Project corridor area to identify potential sites of environmental releases within the corridor as an initial screening step will be completed under a separate scope of services.
- Conduct a site reconnaissance of the portion of the Project corridor where ground disturbance activities will occur, using the results of the GIS and database searches described above as a guide for focusing on parcels that are more likely to exhibit potential environmental impacts during construction. The site reconnaissance will be conducted from the public right-of-way or parking/driveway areas open to the public. Site observations will be documented for each site on a field documentation sheet. No interviews with property owners are anticipated at this time.
- Document the findings of the site screening process in a Technical Report that will present the key findings and list sites/parcels that have an increased potential to contain hazardous waste/contamination that may affect the planned parcel acquisition and construction. The CONSULTANT shall include the required CEM jurat, with signature, in the Technical Report.
- In the Technical Report, the CONSULTANT will further break down potential sites of environmental impact by establishing preliminary risk designations that will prioritize sites that may need following up Phase II sampling investigations. The three general categories are:
 - **High Risk:** Sites where petroleum constituents or other hazardous substances are documented to have been released into the environment (generally in soil or groundwater), or where petroleum constituents or other hazardous substances are likely present in soil or groundwater as a result of a regulatory listing or other condition. Also, the documented release is of a reportable quantity, is hydrogeologically up gradient of the Project corridor where right-of-way acquisition or ground disturbance activities will occur, and/or the nature and extent of the contamination is unknown.
 - **Medium Risk:** Sites where petroleum constituents or other hazardous substances have the potential to be present in the environment (generally in soil or groundwater) based upon PESA documentation that petroleum constituents or other hazardous substances were used or stored on the site, or that site features suggest conditions or activities that are potentially associated with petroleum constituent or other hazardous substance storage or disposal. Generally, Medium Risk sites do not have specific indication that petroleum constituents or other hazardous substances were actually released into the environment.
 - **Low Risk:** Sites where petroleum constituents or other hazardous substances have a reduced potential to be present in the environment as a result of the site activities based upon available PESA documentation.

If the screening assessment identifies sites that fit a High-Risk designation and are in the portion of the Project corridor where right-of-way acquisitions or ground

disturbance activities will occur, the CONSULTANT will request available information from appropriate agencies for review (assuming up to five agencies will be contacted), including:

- Agency interviews:
 - At the local level – Fire Department, Public Works/Environmental Service, Economic Development/Redevelopment (Brownfields).
 - On the state level – NDEP and NDOT Environmental Service.
- NRC spills database search in particular reporting spills along highways and railroads.
- U.S. Department of Transportation, Pipeline and Hazardous Material Safety Administration (PHMSA) database search.

Review of any information obtained from this request will occur to identify possible Phase II sampling activities. Phase II sampling is not included in this scope of work.

The above screening process is not intended to meet the requirements of the ASTM-E1527-13 Environmental Site Assessment process, but rather is a reasonable tailored approach to provide the DEPARTMENT with documentation to evaluate the presence of potential impacts that might affect the construction Project.

19.6.9 Threatened and Endangered Species Impact Analysis

This work will be completed under a separate scope of services.

19.6.10 Transportation Impact Analysis (includes safety)

The CONSULTANT will document the impact of the build alternatives on traffic operations, safety, and access. (see Section 13 Traffic and Safety)

19.6.11 Commercial/Residential Displacement Impact Analysis

This work will be completed under a separate scope of services.

19.6.12 Institutional Impact Analysis

To the greatest extent possible, the CONSULTANT will utilize existing data gathered as part of Task Order 5 Amendment 2. This will require preparation of documentation (approximately 1-2 page memo) attesting to the validity of that data for use in the current study and will also document the potential need for conducting updated data gathering. The CONSULTANT shall assess existing institutional uses (Churches, schools, publicly owned buildings) in the Project area. The CONSULTANT will evaluate each reasonable alternative's impact on these properties in terms of access changes and relocations (if required) both during and after construction.

No stand-alone technical memo will be completed for this resource.

19.6.13 Community Impact Analysis

This work will be completed under a separate scope of services.

19.6.14 Cultural Resources Impact Analysis

19.6.14.1 Survey Plan and APE Delineation

This work was scoped under Task Order 5 Amendment 2. The direct impacts APE were previously approved by the SHPO on February 6, 2020, during review of the NDOT Cultural Resources Screening Form. As part of this current amendment,

revisions to the direct impacts APE may be required based on changes to the Project. The direct impacts APE will be used for the archaeological and architectural history analysis and expected to include the footprint for each of the Project alternatives, which encompasses all areas of ground disturbance, acquisitions, staging areas, access roads, and Project improvements.

This indirect APE will be delineated under a separate scope of services.

19.6.14.2 Literature Search and Historic Context Report

This work was scoped and completed under Task Order 5 Amendment 2.

19.6.14.3 Field Surveys

This work will be completed under a separate scope of services.

19.6.14.4 Survey Results Reporting

The results of the field surveys will be reported in up to four (4) different survey reports for architectural history and one (1) archaeological survey report. A portion of the resources to be evaluated and reported will be completed under a separate scope of services.

The reports will include determinations of eligibility for each of the resources. Appended to the reports will be site records for the resources that are recorded. In areas where the survey population includes portions of a housing tract, subdivision, or similar property types, the resources will be recorded on one site record (and not individually) and will utilize information available from the AASHTO and NCHRP guidelines on post-World War II housing, when applicable. In some instances, additional research for individual properties may be required. Resources that are currently listed on a registry or have had recent thorough evaluations in the past 10 years without any changes in condition or integrity since it was last recorded will not be re-evaluated and the past determination of eligibility would still be used.

In total, it is assumed 80 resources are expected to be recorded and evaluated. An additional 190 resources will be recorded and evaluated under a separate scope of services. Each resource will be recorded through a Nevada Architectural Resource Assessment form, which will also include photographs, maps, and resource-specific research for each property (based on information included in the Literature Search and Historic Context Report), as required by SHPO. A minimum of three (3) high-resolution digital images of each surveyed resource will be included, including accessory structures. Only the front page of an Architectural Resource Assessment Form will be completed for resources that have been previously recorded and evaluated within the past ten (10) years that have had no major changes to their historic integrity.

The survey results report will be submitted to the DEPARTMENT and FHWA for approval. Following approval by the DEPARTMENT and FHWA, the survey results report will be submitted to SHPO for concurrence. It is assumed up to three (3) review cycles will be completed by the DEPARTMENT, FHWA, and SHPO. It is assumed no type of traditional cultural property or Native American consulting report will be required.

19.6.14.5 Assessment of Effects Report

An assessment of effects report will be prepared for the resources listed in or evaluated as eligible for listing in the National Register of Historic Places or Nevada State Register of Historic Places. The report will apply the criteria of adverse effects

to these resources and make an effects finding for each resource. The assessment of effects report will be prepared for all the Project alternatives. Maps, photographs, and up to five (5) visual assessments will be completed for the resources. Information related to Project impacts will be provided by the project design/engineering team, based on data that is currently available. In total, 50 resources and three (3) historic districts will require an assessment of effects. Up to three (3) conference calls and/or meetings with the DEPARTMENT or SHPO may be completed to go over the assessment of effects report. The assessment of effects report will be submitted to the DEPARTMENT and FHWA for approval. Following approval by the DEPARTMENT and FHWA, the assessment of effects report will be submitted to SHPO for concurrence. Up to two (2) review cycles will be completed by the DEPARTMENT, FHWA, and SHPO.

19.6.14.6 Memorandum of Agreement

A memorandum of agreement (MOA) will be produced for up to five (5) NRHP-eligible or -listed resources that will be adversely affected by the Project. The MOA will consist of three (3) review cycles by the DEPARTMENT, FHWA, SHPO, and one (1) additional consulting party. Mitigation within the MOA will follow the NDOT Cultural Resources Handbook and previous agreement documents between the DEPARTMENT and SHPO.

19.6.15 Recreational Resources Impact Analysis/Section 4(f) Evaluation

Section 4(f) properties were identified under Task Order 5 Amendment 2. The CONSULTANT will determine whether a “use” is occurring at any Section 4(f) resources in the study area. For all parks/recreational resources and cultural resources identified in the study area, the use determination assessment will be conducted to determine:

1. If the resource is eligible for protection under Section 4(f)
2. If the Project would permanently incorporate land from a Section 4(f)-eligible resource, and if so, would Project impacts be “*de minimis*” in accordance with the Section 4(f) statute.
 - a. If there is permanent incorporation of land and impacts are determined to be *de minimis* the CONSULTANT will prepare *de minimis* concurrence letter(s) for delivery to the applicable official(s) with jurisdiction.
 - b. If there is permanent incorporation of land and impacts are NOT determined to be *de minimis*, this would constitute a “use” under Section 4(f) and the CONSULTANT would prepare a “No Feasible and Prudent Avoidance Alternatives” discussion.
3. If the Project would temporarily occupy land at the resource (i.e. during construction), and if so, would the temporary occupancy meet the exception criteria in the Section 4(f) statute.
 - a. If there is a temporary occupancy of land at a park/recreation resource and the exception criteria are met, the CONSULTANT will prepare a temporary occupancy exception concurrence letter(s) for delivery to the applicable official(s) with jurisdiction (no written concurrence is required with respect to temporary occupancy exception findings at historic resources).

- b. If there is a temporary occupancy of land at a resource and the exception criteria are NOT met, this would constitute a “use” under Section 4(f) and the CONSULTANT would prepare a “No Feasible and Prudent Avoidance Alternatives” discussion.
4. Appropriate measures to minimize harm.
 - a. Attend up to twelve (12) meetings with the officials with jurisdiction over Section 4(f) resources in the study area. The purpose of these meetings would be to gain concurrence on: the applicability of Section 4(f) to resources, the description of 4(f) resources, measures to minimize harm, and use determinations (this includes any de minimis and/or temporary occupation exception findings).
 - b. Prepare content for Section 4(f) agreement(s) with officials with jurisdiction.
 - c. Prepare draft and final Section 4(f) Evaluation documentation for submittal with the Draft EIS and Final EIS.

Assumptions:

- No Section 6(f)-protected properties are present in the study area. This assumption is based on a review of the NPS LWCF website for Clark County, Nevada (<http://projects.invw.org/data/lwcf/grants-nv.html>). This assumption will be verified or adjusted per coordination with Nevada State Parks during Project planning.
- The DEPARTMENT shall be responsible for the final submittal of all Section 4(f)-related agreement(s) to applicable officials with jurisdiction as well as the processing of the agreement(s) through agency approval procedures and signatures.

Deliverables:

- *Draft and Final Section 4(f)/6(f) Assessment documentation for submittal, respectively, with the Draft and Final EIS.*
- *Develop content for Section 4(f) agreements as specified above, as necessary.*
- *Attend up to twelve (12) meetings with the officials with jurisdiction over Section 4(f) resources in the study area.*

19.6.16 Construction Impact Analysis

The CONSULTANT will assess the impact of construction on the Project area, businesses, residents, and freeway travelers including access to facilities and services, economic impacts, noise, vibration, erosion control, and fugitive dust.

19.6.17 Indirect Effects Analysis

The CONSULTANT will evaluate indirect effects in accordance with the Council on Environmental Quality (CEQ) Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (NEPA), Subchapter A-NEPA Implementing Regulations (July 2020), NCHRP Report 466, and AASHTO Practitioner’s Handbook 12 Assessing Indirect Effects and Cumulative Impacts Under NEPA (August 2016). The effects evaluation includes defining the Area of Potential Effect, analyzing existing and future land use trends and proposed development, assessing Project characteristics, assessing the potential for Project-induced changes to land use development, and evaluating existing tools or recommending tools to manage

changes to land use development. Data collection will be based upon existing, readily available data sources and will draw upon the inventory and description of existing conditions developed in the assessment of direct impacts of the proposed action and No-Build scenario, supplemented with additional data collection for Area of Potential Effect.

Specific tasks the CONSULTANT will complete include:

Define the Study Area Boundaries

Define the Area of Potential Effect (APE). The CONSULTANT will evaluate the potential for this Project to result in improvements to the regional transportation system. The APE will be defined as the geographical extent of systems affected by the Project. Within this area, the team will perform a development suitability analysis more specific locations regarding where potential development or land use changes resulting from the Project is likely to occur, based on availability of land, current and long-range land use plans and growth trends where development pressures are highest. The demographic area is defined by the census tracts and block groups that encompass or partially intersect the APE. Data will be collected from both regional and local agencies as applicable with respect to population growth projections, anticipated distribution of growth and planning documents. A base map(s) will be created, including boundaries of census tracts and block groups.

Define the Timeframe for the Analysis. The timeframe for the analysis will correlate with the design year of the traffic analysis (20 years) or foreseeable timeframe as influenced by the local and regional jurisdiction's input.

Identify the Study Area Direction and Goals

Identify Regional Location Influences and Implications. A description of the direction and general location that regional development has taken, primarily between 1990 and the present, and its relation to the Project will be assessed.

Analyze Demographic and Employment Trends in the APE. A description of the overall population trends and projections and employment trends and projections of affected municipalities, counties, and the State of Nevada will be completed. Employment by industry will be analyzed at the state and county level. Commercial development patterns will also be characterized for the APE, including descriptions of urban areas and regional centers within the influence area of the Project.

Identify and Describe Existing Land Use Patterns. Land use and development patterns within the APE, and specifically along the proposed alignment of the Project as well as intersecting roadways will be identified.

Identify and Describe Local Plans and Ordinances. Based upon data collected during interviews with local planners, the most up-to-date land use and zoning plans, if available, will be assessed. Consistency or potential conflicts the proposed Project may have with these plans will be discussed.

Identify and Describe Current Transportation Plans. Based upon data collected during interviews with local planners and transportation staff, current and future transportation projects will be identified within the Transportation Improvement Program (TIP). Interviews with the DEPARTMENT and/or RTC of Southern Nevada staff and review of available long-range transportation plans other than the TIP will be conducted, and consistency or potential conflicts of the proposed Project will be discussed.

The CONSULTANT will compile a list of known notable features within the USGS Quadrangles that encompass the APE. Windshield surveys may be necessary to confirm and supplement the existing data. These notable features will be derived from available environmental documentation and GIS data, and include protected species, natural communities, architectural features and historic sites, and potential hazardous material sites. These features will be compiled in order to assess which areas may not be suitable for development and therefore not susceptible to unplanned development.

Identify Activities That Cause Effects

Development trends, currently pending development proposals and other known future development proposals in the APE will be identified.

Identify Potential Indirect Effects for Analysis

Various factors will be evaluated to assist in the determination of whether indirect impacts are likely as a result of the Project action, and that more detailed analysis is merited. Factors evaluated are:

- The Project action and consistency with Local Plans
- The Project action's Explicit Economic Development Purpose
- The Project action's result to Serve Specific Development
- The Project action's potential to Stimulate Land Development Having Complementary Functions
- Notable natural resource Features Present in APE

Analyze Indirect Effects

An assessment of the potential magnitude for land use change as a result of the Project will be provided. Factors used to determine these findings are:

- Change in accessibility and travel times
- Change in freeway capacity
- Potential new land available due to change in freeway grade
- Potential removal of the freeway as a real or perceived barrier
- Forecasted growth
- Land supply versus land demand
- Availability of water/sewer
- Market strength
- Public policy such as growth management policies that are in place

Expert Panel Review Meeting

The CONSULTANT, working with the DEPARTMENT, will assemble an expert panel consisting of local planners, developers, realtors, and others in related professions that are knowledgeable of growth and development activities in the APE. The DEPARTMENT will have the opportunity to approve the proposed panelists. The purpose of this expert panel is to provide local insight as it relates to the potential for growth within the APE with and without the Project. It is assumed that six (6) to eight

(8) experts will participate in the panel. The CONSULTANT will interview the expert panel separately and use their input to identify major indirect effect issues.

Evaluate Analysis Results and Include Potential Mitigation Strategies

The input received from the expert panel will be documented in a technical memorandum that will rely upon a qualitative description of the Project's potential indirect effects. In addition, a summary of the potential amount, location and type of development that could result from the construction of the Project will be completed. The memorandum will also identify general strategies for public agencies to consider as tools for managing growth and development and will not be specifically tailored for each community. These activities to be listed in the document will focus on tools to minimize harmful effects of development to the environment.

Develop Mitigation Strategies

Existing local and state agency environmental and development regulations will be revisited to determine level of mitigation that could be achieved.

19.7 Coordination and Consultation During Draft EIS

CONSULTANT will document coordination and consultation with the public and local, regional, state, tribal, and federal agencies in the Draft EIS.

19.8 Document Preparation and Publication

The CONSULTANT will prepare the following pieces of the document:

- Signature page
- Abstract
- Executive Summary
- Table of Contents
- Acronyms and Abbreviations
- Distribution List
- List of Preparers
- References
- Index
- Up to 7 Appendices

The CONSULTANT will edit the Draft EIS. The CONSULTANT will compile technical memos and other supplementary material to create a thumb drive inside the back cover of the document.

After the EIS title sheet has been signed, the CONSULTANT shall arrange for printing twenty (20) paper copies of the Draft EIS. Thumb drive and web-ready versions of the documents will also be prepared. The CONSULTANT shall circulate the copies of the Draft EIS.

The CONSULTANT shall prepare a notice of availability of the Draft EIS document for placement in the Federal Register by FHWA.

19.9 Graphics for Draft EIS

The CONSULTANT will develop and prepare graphics for the Draft EIS.

19.10 Prepare Combined Final EIS/ROD

The CONSULTANT shall prepare a combined Final EIS and Final Section 4(f) Evaluation/Record of Decision (ROD) as specified in 23 CFR 771 and 23 CFR 774. The Final EIS/ROD will be prepared consistent with the National Environmental Policy Act (NEPA) of 1969, the Council on Environmental Quality (CEQ), DEPARTMENT guidance, and Federal Highway Administration (FHWA) implementing regulations, policy, and guidance for NEPA.

The iterations of the Final EIS/ROD are:

1. Preliminary Final EIS/ROD – DEPARTMENT/FHWA Nevada Division review
2. Revised Preliminary Final EIS/ROD for FHWA Legal Sufficiency Review
Camera Ready Final EIS/ROD for DEPARTMENT/FHWA approval.

19.10.1 Review and Response to Comments on Draft EIS

CONSULTANT will compile comments received during the Draft EIS Comment Period, including comments received at the public hearing via comment form or public hearing testimony, into a database. Database will include commenter's name, address, comment subject and a link to an electronic version of the comment. It is assumed up to 220 comments will be submitted during the Draft EIS Comment Period.

CONSULTANT will review comments received from the public during the Draft EIS comment period to identify substantive comments that warrant a response in the Final EIS/ROD and will provide FHWA and NDOT with these comments for concurrence. As allowed by CEQ regulations, substantive comments with a similar theme will be grouped in to categories and one response will be developed for similar comments. Some substantive comments may require their own response. All responses will be placed in the Final EIS/ROD as part of an appendix. (Note: This task assumes CONSULTANT will respond to comments in the Final EIS/ROD and not prepare individual letters to commenters.)

CONSULTANT will create a new appendix for the Final EIS/ROD that contains local, state, and federal review agency comments on the Draft EIS and the study team's response to the substantive comments. Substantive agency comments will be identified/numbered and responded to on the opposing page.

19.10.2 Prepare Final Environmental Impact Statement

The CONSULTANT will provide updates to the Draft EIS. These revisions will reflect updated information since the Draft EIS publication or changes due to substantive public or agency comments, including new or updated exhibits.

The CONSULTANT will revise the Draft Section 4(f) Evaluation and Section 6(f) Assessment and document FHWA's Final Section 4(f) and Section 6(f) findings based on Draft Section 4(f) Evaluation comments.

19.10.3 Prepare Record of Decision

The CONSULTANT will prepare the ROD. The outline of the ROD will be:

- Decision

- Alternatives Considered
- Section 4(f)
- Mitigation/Measures to Minimize Harm
- Monitoring or Enforcement Program
- Comments on Draft EIS

19.10.4 Final EIS/ROD Document Preparation and Publication

The CONSULTANT will prepare a complete and edited preliminary combined Final EIS/ROD document for review by the DEPARTMENT and FHWA. It is assumed that eight (8) hard copies will be produced for review. The CONSULTANT will incorporate the DEPARTMENT's and FHWA's comments on the preliminary draft FEIS and submit an edited revised preliminary combined Final EIS/ROD to the DEPARTMENT and FHWA for a legal sufficiency review.

The CONSULTANT will incorporate comments from FHWA's legal sufficiency review into the camera-ready version of the combined Final EIS/ROD for DEPARTMENT and FHWA signature. After the combined Final EIS/ROD has been signed, the CONSULTANT shall arrange for printing twenty (20) paper copies of the combined Final EIS/ROD. CD and web-ready versions of the documents will also be prepared. The CONSULTANT shall circulate the copies of the Combined Final EIS/ROD.

The CONSULTANT shall prepare a notice of availability of the combined Final EIS/ROD document for placement in the Federal Register by FHWA.

The CONSULTANT shall prepare a Statute of Limitation notice following Final EIS/ROD approval for placement in the Federal Register by FHWA.

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): 106

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

Jacobs Engineering Group, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 1999 Bryan Street, Suite 1200	Website: www.jacobs.com
City, State and Zip Code: Dallas, TX 75201	Point of Contact Name: Ken Gilbreth, P.E.
Telephone and Fax No. (214) 638-0145, (702) 638-0447	Email: Ken.Gilbreth@jacobs.com

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

Street Address: 1301 N. Green Valley Pky, Suite 200	Website: www.jacobs.com
City, State and Zip Code: Henderson, NV 89074	Point of Contact Name: Ken Gilbreth, P.E.
Local Telephone and Fax No. (702) 369-6175, (702) 369-1107	Email: Ken.Gilbreth@jacobs.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)
Please see attached list		

*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

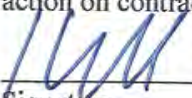

2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?


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

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

Appointments

Board Directors

Name	Position	Appointed
<u>Brooks, Vincent K.</u>	Director	08/14/2020
<u>Demetriou, Steven J</u>	Chairman of the Board	07/28/2016
<u>Eberhart, Ralph E.</u>	Director	09/27/2012
<u>Jr., R. C. Davidson</u>	Director	02/13/2001
<u>Kiser, Georgette D.</u>	Director	05/29/2019
<u>Levinson, Linda Fayne</u>	Director	02/13/1996
<u>Loughran, Barbara</u>	Director	05/29/2019
<u>McNamara, Robert</u>	Director	01/19/2017
<u>Robertson, Peter J.</u>	Director	07/30/2009
<u>Thompson, Chris M.T.</u>	Director	11/15/2012

Officers

Name	Position	Appointed
<u>Adkisson, Jason</u>	Assistant Secretary	11/19/2020
<u>Allen, William "Billy" B.</u>	Senior Vice President and Chief Accounting Officer	10/13/2016
<u>Andrews, Madhuri</u>	Chief Information Officer	11/11/2019
<u>Arnette, Stephen A.</u>	SVP & GM, ATN Advanced Engineering, Research & Operations	01/18/2018
<u>Bello, Marius (Mark) F.</u>	Senior Vice President, Designated Project Executive	01/16/2020
<u>Berryman, Kevin Christopher</u>	Chief Financial Officer	11/14/2019
<u>Blackwood, Dennis</u>	Manager, California Engineering Operations	01/18/2018
<u>Bloom, Katie</u>	Designated person responsible for practice of Environmental	01/18/2018
<u>Bruning, Michael</u>	Manager, California Engineering Operations	01/18/2018
<u>Bunderson, Michael</u>	Vice President, Tax	05/29/2018
<u>Bussell, Scott</u>	Vice President	01/17/2019
<u>Byers, Timothy</u>	Sr Vice President & GM, Federal & Env Solutions	05/05/2020
<u>Carlin, Michael James</u>	Treasurer and Enterprise Risk	01/17/2019
<u>Caruso, Joanne E.</u>	Chief Administrative Officer	01/18/2018
<u>Cordtz, Kent</u>	Manager, California Engineering Operations	01/18/2018
<u>Crawford, Bruce</u>	Senior Vice President, Strategic Development	11/19/2020
<u>Delisle, Tina</u>	Senior Manager Payrol	02/01/2021
<u>Demetriou, Steven J</u>	President	08/17/2015
<u>Doros, Jonathan</u>	Vice President, Investor Relations	01/17/2019
<u>Earsom, Deryl</u>	Assistant Secretary	11/19/2020
<u>Walstrom, Jan</u>	Senior Vice President & General Manager, Global Environmental	05/05/2020
<u>Gilmartin, Kenneth</u>	Senior Vice President & General Manager, Advanced Facilities	11/14/2019
<u>Gustafson, Shelette M.</u>	Chief Human Resources Officer	01/17/2019
<u>Hannigan, Marietta C.</u>	Chief Strategy & Communications Officer	11/07/2018
<u>Hansen, Taggart</u>	Sr. Vice President, Deputy General Counsel & Internal Audit	05/05/2020
<u>Hanson, Robert</u>	Manager, California Engineering Operations	06/01/2018
<u>Hendon, Brian Lee</u>	Designated person responsible for practice of Architecture i	01/18/2018

Name	Position	Appointed
<u>Herlitzka, Scott</u>	Vice President	05/16/2016
<u>Hicks, Rich</u>	Manager, Ohio Engineering Operations	05/09/2018
<u>Hickton, Dawne Sepanski</u>	Chief Operating Officer	01/16/2020
<u>Hill, Patrick</u>	Senior Vice President & General Manager, B&I, Asia Pacific &	01/16/2020
<u>Hsu, Mike</u>	Senior Director Tax	09/04/2019
<u>Johnson, Justin</u>	Assistant Secretary	07/09/2020
<u>Jones, Keith B.</u>	Manager, Ohio Land Surveying Operations	05/09/2018
<u>Krishnan, Kosalram</u>	Manager, California Engineering Operations	01/18/2018
<u>Laity, Michael</u>	Senior Director Tax	02/21/2020
<u>Lamb, Matt</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>Lopez-Dubois, Miguel</u>	Manager, California Engineering Operations	01/18/2018
<u>Maloney, Kevin</u>	Manager, California Engineering Operations	01/18/2018
<u>Meinhart, Thomas</u>	Vice President - Authorized Signer	11/14/2019
<u>Miller, Shannon</u>	SVP, Enterprise Risk Management & HR Talent Management	11/19/2020
<u>Montellano, Victorino</u>	Manager, California Engineering Operations	01/18/2018
<u>Morris, Gary</u>	Vice President	11/14/2019
<u>Morrison, Hugh Donald</u>	Senior Vice President & General Manager, B&I Europe	01/18/2018
<u>Nein, Brett</u>	Vice President, Florida Landscape Architecture Operations	06/01/2018
<u>O'Connor, Kelly</u>	Senior Vice President, Strategy & Project Delivery, BIAF	05/02/2019
<u>Owens, John G.</u>	Designated Person Responsible Electrical Engineering in AK	02/27/2020
<u>Parent, Mark J.</u>	Designated Person Responsible Electrical Engineering in AK	02/27/2020
<u>Pragada, Robert V.</u>	Chief Operating Officer	11/14/2019
<u>Refinski, Elizabeth A.</u>	Assistant Secretary	03/26/2009
<u>Richmond, Jennifer</u>	Senior Vice President & General Manager, ATN Mission Solutio	05/05/2020
<u>Rosenfeld, Benjamin</u>	Manager, California Engineering Operations	01/18/2018
<u>Scarlat, Cristian</u>	Manager, California Engineering Operations	01/18/2018
<u>Scher, Brian</u>	Assistant Secretary	03/29/2009
<u>Sever, Jeffrey David</u>	Designated person responsible for practice of Mechanical Eng	06/28/2018
<u>Shelton, Brian R.</u>	Senior Vice President, Finance ATN	01/17/2019

Name	Position	Appointed
<u>Strauss, Scott</u>	Vice President-Authorized Signer	04/01/2019
<u>Tyler, Michael R.</u>	Chief Compliance Officer	01/17/2019
<u>Uchil, Vinay</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>Vadlamudi, Koti</u>	Senior Vice President & GM, Advanced Facilities, PPS	11/14/2019
<u>Wallace, Roanld</u>	Senior Vice President, Operations Support	09/02/2020
<u>Walter, Eric</u>	Senior Vice President Finance and Strategy	03/13/2017
<u>Warnock, William Kirkpatrick</u>	Manager, California Engineering Operations	01/18/2018
<u>Watson, Katus</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>White, Clive Thomas</u>	Senior Vice President, CMS International	05/05/2020
<u>Wiemelt, Karen</u>	Senior Vice President & General Manager, North America Nucle	01/18/2018
<u>Williams, Ronald R.</u>	Senior Vice President, PPS, Americas (West)	11/14/2019
<u>Willis, Aaron</u>	Manager, California Land Surveying Operations	01/18/2018
<u>Wishart-Smith, Heather</u>	SVP, Innovation & Jacobs Connected Enterprise, BIAF	05/02/2019
<u>Wood, Mark</u>	Manager, California Engineering Operations	01/18/2018
<u>Yox, Jeff</u>	Manager, California Engineering Operations	06/01/2018

Line Item 5

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

779-15-015Amd3

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 #: P779-15-015

If Amendment, name of Company: CA Group. Inc.

Project ID #(s): PCEMS #4-03445, 74267

Type of Services: Final Design Engineering and Services During Construction

Originated by: Rick Splawinski Division: Project Management Date Originated: 1/13/2021

Division Head/District Engineer: Nick Johnson

Budget Category #: 06-BLDGS/IMPV Object #: 814D Organization #: B015

Estimated Cost: Type of Funding: State % of Fund: 100

Funding Notes: \$300,000 in FY 2021, \$300,000 in FY 2022, \$300,000 in FY 2023, \$100,000 in FY 2024. State Fiscal Year(s): 2021-24

IT Review:

Signature Date

Financial Management:

Kristen Greenhut

Signature Date
1/21/2021

- 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

Signature Date
1/22/2021

Director:

Kristina Swallow

Signature Date
1/22/2021

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:

An amendment to the consultant Service Provider agreement is needed to provide compensation for additional design scope not included in the final design amendment, revisions to the design requested by NDOT, additional review submissions, and services during construction.

Scope of Services:

Additional design scope not included in the final design amendment includes revisions to the design resulting from the RSA conducted in January 2020, additional traffic signal improvements, changes in soundwall type and geometry, a supplemental 75% Intermediate Design review submission, changing the pavement design on Charleston Boulevard and the SB on-ramp from full depth reconstruction to variable-depth mill and fill, reconstructing the existing irrigation trunk system, and a supplemental 90% Intermediate Design review submission.

Services during construction will include resident engineer support, change order and shop drawing review, as-built drawings, and public involvement and outreach support. A detailed description of the additional scope is attached.



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

MEMORANDUM

January 4, 2021

TO: Jeff Lerud, Assistant Director

FROM: Rick Splawinski, Project Manager DS
RS

SUBJECT: Negotiation Summary for Amendment 3 to Agreement P779-15-015

On June 7, 2016, NDOT entered into Agreement P779-15-015 with CA Group, Inc. to provide preliminary design and NEPA environmental services for the I-515 Charleston Interchange project.

The original Scope of Services included project management, preliminary design, environmental studies and documentation, utility coordination, and public outreach. Subsequent amendments added final design engineering services to the Scope of Services.

Due to the addition of design scope, design changes, additional review submissions, and services during construction, the Scope of Services must be increased to include roadway geometric changes; bridge, retaining wall, soundwall, and pavement design changes; additional traffic signal and irrigation system designs; additional review submissions; and services during construction.

To accommodate this increase in scope, the total amount of the agreement must be increased by \$916,500.00. This amendment adds 24 months to the agreement, for a new end date of December 31, 2024.

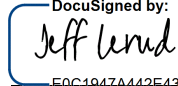
The DEPARTMENT's original estimate for this amendment was \$938,755.00, including direct labor (3,757 man-hours of work by the SERVICE PROVIDER), overhead rate of 104.62%, a 9.50% fee, and direct expenses at \$430,973.00 (including sub-consultant expenses).

The SERVICE PROVIDER's original estimate for this amendment was \$916,500.00, including direct labor (3,745 man-hours of work by the SERVICE PROVIDER), overhead rate of 104.62%, a 9.50% fee, and direct expenses at \$415,089.00 (including sub-consultant expenses).

The negotiations yielded the following:

1. There will be an additional 3,745 total man-hours allotted to this agreement.
2. A fixed fee of 9.50% was agreed to by both parties.
3. The total negotiated cost for this Amendment, including direct labor, overhead, fixed fee, and direct expenses, will be \$916,500.00. The new total cost of this Agreement will be \$5,847,000.00.

Reviewed and Approved:

DocuSigned by:

01/25/2021
50C1947A442E435...

Assistant Director

**I-515 CHARLESTON BOULEVARD INTERCHANGE PROJECT
AMENDMENT NO. 3
ATTACHMENT "A"
SCOPE OF SERVICES**

Revisions to the design resulting from the 60% Intermediate Design review, including those associated with the RSA conducted on January 28, 2020, additional traffic signal improvements requested by the City of Las Vegas, changes in soundwall type and geometry requested by NDOT, and a supplemental 75% Intermediate Design review submission requested by NDOT constitute additional design scope identified through the 60% Intermediate Design milestone.

Revisions to the design resulting from the 75% Intermediate Design review, including changing the pavement design on Charleston Boulevard and a portion of the SB on-ramp from full depth reconstruction to variable-depth mill and fill, reconstructing the entire existing irrigation trunk system, and a supplemental 90% Intermediate Design review submission requested by NDOT constitute additional design scope identified through the 75% Intermediate Design milestone. The additional project design scope is further described below.

Provisions for construction administration support services by the SERVICE PROVIDER are also included in this amendment.

10.3 SUPPLEMENTAL PLAN REVIEW SUBMITTALS

Following the 60% Intermediate Design review, NDOT requested the SERVICE PROVIDER to develop and submit a supplemental 75% Intermediate Design review reflecting the accumulated design changes and scope additions requested as a result of the 60% Intermediate Design review, including (75%) construction plans, cost estimates, and specification notes.

Following the 75% Intermediate Design review, NDOT requested the SERVICE PROVIDER to develop and submit a supplemental 90% Intermediate Design review reflecting the accumulated design changes and scope additions requested as a result of the 75% Intermediate Design review, including (90%) construction plans, cost estimates, and specification notes.

10.3.1 Roadway

Roadway design revisions include impacts to the following sheets: typical sections, 3-sheets, roadway plans, and site preparation plans. Roadway geometric modelling and cost estimating efforts are also affected. Additional roadway design effort is associated with:

- Increasing the outside shoulder width from 12' to 14'
- Changes in soundwall geometry
- Changes in retaining wall geometry
- Accommodating PROWAG design standards while replacing signal poles at Sacramento Dr. and Honolulu Dr.
- Charleston Boulevard median modifications based on RSA recommendations

- Shifting southbound I-515 on-ramp to the east based on RSA recommendations
- Changing the pavement design on Charleston Boulevard and a portion of the SB on-ramp from full depth reconstruction to variable-depth mill and fill

10.3.3 Utilities

Additional utility research and coordination with LVVWD and NVE is needed to accommodate the proposed modifications at the southeast corner of the Sandhill Road intersection. Additional scope includes contacting the utility agencies, researching and obtaining information regarding electrical, telephone, gas, water, sewer, cable television, traffic signal interconnect, pipeline, and other existing or proposed utility facilities from the utility agencies. Such additional information shall include utility mapping, plats, plans, and data on electronic and other form of media.

10.3.3.1 Potholes

An additional twenty-five (25) vertical quality level “A” potholes will be included in the project design work to locate underground utilities at critical locations, in response to the new signal pole locations, changes in ramp geometry, and median revisions.

10.3.4.1 Striping

Striping along Charleston Boulevard will be revised in coordination with the ramp geometric changes and median revisions.

10.3.4.4 Traffic Signals

10.3.4.4.1 Charleston Blvd. and Honolulu Street/Sandhill Road

At the Northeast Quadrant of the Intersection, provide:

- new pedestrian signal pole (1-A) with new foundation, pedestrian indication, and pull box.
- pedestrian push button relocated from the existing signal pole to new pedestrian signal pole.

At Southeast Quadrant of the intersection, provide:

- new traffic signal pole with new foundation, traffic signal mast arm, signal heads, pedestrian indication, pedestrian push button, illuminated street name sign, intersection luminaire, pull boxes and conduit crossing on east leg of the intersection.
- emergency vehicle detection system (Opticom), video detection camera, and signal and luminaire wiring required for the complete traffic signal system to remain operational.
- CCTV camera system.

10.3.4.4.2 Charleston Blvd. and Sacramento Drive

At Northeast Quadrant of the intersection, provide:

- new traffic signal pole with new foundation, traffic signal mast arm, signal heads, pedestrian indication, audible-tactile pedestrian push buttons, illuminated street name sign, intersection luminaire, pull boxes and conduit crossings on each leg of the intersection.
- emergency vehicle detection system (Opticom), loop detection, and signal and luminaire wiring required for the complete traffic signal system to remain operational.

At Southeast Quadrant of the intersection, provide:

- new traffic signal pole with new foundation located within existing ROW, traffic signal mast arm, signal heads, pedestrian indication, audible-tactile pedestrian push buttons, illuminated street name sign, intersection luminaire, pull boxes and conduit crossings on each leg of the intersection.
- emergency vehicle detection system (Opticom), loop detection, and signal and luminaire wiring required for the complete traffic signal system to remain operational.

At Southwest Quadrant of the intersection, provide:

- new traffic signal pole with new foundation located within existing traffic signal easement, traffic signal mast arm, signal heads, pedestrian indication, audible-tactile pedestrian push buttons, illuminated street name sign, intersection luminaire, pull boxes and conduit crossings on each leg of the intersection.
- emergency vehicle detection system (Opticom), loop detection, and signal and luminaire wiring required for the complete traffic signal system to remain operational.
- new traffic signal controller and cabinet on new foundation pad.

10.3.5.1 Bridge Structures

10.3.5.1.1 Stewart Avenue Bridge

The Stewart Avenue bridge plans will incorporate design changes resulting from the change to a precast panel soundwall and include a 2-foot shoulder width transition at each end of the bridge. Bridge design changes include:

- Bridge barrier rail shape
- Soundwall type and loading
- Girder design changes
- Elastomeric bearing design changes
- Foundation design changes
- Approach slab barrier rail shape, including transitions to the typical roadway barrier section
- Approach slab geometric changes

10.3.5.1.2 Pecos Road Bridge

10.3.5.1.3 Mojave Rd Bridge

In addition to the revisions listed for the Stewart Avenue bridge, the Pecos Road and Mojave Road bridge design and plan revisions will include:

- Wingwall geometric changes to accommodate revised MSE retaining wall layout
- Wingwall geometric changes to accommodate revised soundwall layout

10.3.5.3 Retaining Walls

The retaining wall plans will incorporate the design changes resulting from the change to a precast panel soundwall and increase in I-515 NB shoulder width from 12 feet to 14 feet.

10.3.5.4 Soundwalls

The soundwall plans will incorporate design changes resulting from the change to a precast panel soundwall and include a 2-foot shoulder width transition at each end of the bridge. Soundwall design changes will include:

- Revised soundwall plan and profile drawings
- Soundwall design calculations and details for:
 - Precast soundwall located immediately behind barrier rail, supported by moment slab
 - Precast soundwall, without barrier rail, supported by moment slab
 - Precast panel soundwall located on top of barrier rail, supported by bridge parapet or approach slab
 - Soundwall moment slab to accommodate ITS or overhead signs

10.3.6 Landscaping & Aesthetics

10.3.6.1 Precast Soundwall Aesthetics

The original final design scope and fee reflected reuse of the existing soundwall panels along northbound I-515. The change in soundwall type to an entirely new precast “sandwich” wall system will require new aesthetic designs and details. Design effort related to the new soundwall aesthetic design will include:

- Coordinating and meeting with NDOT LA staff to modify existing and/or develop new graphics for the precast soundwalls and at the bridge locations. This work may entail additional aesthetic designs and details such as pilasters or aesthetic attachments to the precast soundwalls.
- Meeting with NDOT District staff to review the concepts and finalize the proposed graphics.
- Modifying the graphics for final review based on NDOT feedback and direction
- Preparing opinion of construction costs
- Preparing soundwall aesthetic documents/detailing and incorporating into the final design package. Coordination work includes structural design and detailing for pilasters or other aesthetic features not part of typical soundwalls.

10.3.6.2 Modifications to Aesthetic Sculpture Design and Layout

Geometric modifications to the SB on-ramp resulting from the RSA recommendations will reduce the available landscape space in the interchange infield on the west side of the on-ramp, but increase the size of the available space for landscaping on the east side of the on-ramp within the existing right of way. The geometric changes may require relocating the proposed L&A sculpture and designing a new landscaped space on the west side of the on-ramp. The following design modifications will be included:

- Studying impacts to the current landscape design, specifically the placement of the dancer sculpture, from the shifted on-ramp location. If clear zone criteria require relocation within the infield area, existing utility and drainage facilities must be located and evaluated to develop options for relocating the sculpture; this work will entail coordinating with other disciplines.
- Developing sketches of proposed L&A design revisions for the sculpture and placement options, and estimating costs associated with the changes.
- Consultant project team and NDOT coordination.

- Meeting with NDOT LA and District staff to review the revised designs.
- Finalizing the L&A modifications and revising the construction documents for inclusion in the final design plans.

10.3.6.3 Existing Irrigation System Replacement

The existing irrigation trunk system will be redesigned and configured with current irrigation system components and controls. The only part of the existing system to be retained in the new design will be the PVC trunk loop between 21st Street and Wyoming Ave. All existing laterals will be abandoned. All existing ball valves will be field located and either capped or modified to provide a new control valve connection point to the new irrigation trunk system.

10.3.7 Cost Estimates

Design revisions made after 60% Intermediate Design review will include corresponding cost estimate updates.

10.2.7 Right-of-Way

To support the expanded traffic signal scope, additional title records for three corners of the signalized local intersections will be required, including both west corners of the Honolulu Street/Sandhill Road intersection and the southwest corner of Sacramento Drive intersection.

12.0 Construction Administration Support

As directed by the DEPARTMENT, the SERVICE PROVIDER will provide the following additional design services during construction:

- **Resident Engineer (RE) Support** – Respond to RE requests for information (RFIs) and provide additional information or clarification as requested; attend pre-construction conference and post-construction review meeting.
- **Contractor RFI Reviews** – Respond to Contractor RFIs and submittals; provide additional information and clarification as requested.
- **Change Order Reviews** – Modify plans, specs, and/or estimates to address value engineering proposals, changes in field conditions, or changes in proposed construction methods; provide additional design support and information upon request. The DEPARTMENT will not pay for design and plan revisions related to changes made due to errors or omissions.
- **Shop Drawing Reviews** – Review and provide approval recommendations for contractor shop drawings.
- **Record Drawings (As-Builts)** – Record all revisions to plans made throughout construction and provide a full set of record drawings upon completion of construction.
- **Public Information & Outreach** – during the construction phase, the consultant PI team shall:
 - Attend preconstruction meetings
 - Submit PI Plan for review and approval by NDOT PM and PIOs

- Provide public outreach and support for the contractor, NDOT PM, RE, and PIOs throughout the construction phase
- Prior to and during construction, notify all businesses, residents and tenants of project details, schedules, and contact info
- Keep the project area informed using flyers and direct mailers
- Email updates to affected residents, property owners, and stakeholders
- Coordinate with NDOT PIOs for media releases

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:

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)

*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

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 _____

James Caviola
 Print Name _____
 1/24/21
 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

February 26, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: March 8, 2021 | Transportation Board of Directors Meeting

ITEM #8: 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 January 8, 2020 through February 4, 2021.
- Agreements under \$300,000 executed January 8, 2020 through February 4, 2021.
- Settlements entered into by the Department which were presented for approval to the Board of Examiners January 8, 2020 through February 4, 2021.

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

February 26, 2021

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.

There were no construction contracts that were awarded for construction during the reporting period. The attached agreements were executed by the Department from January 8, 2020 through February 4, 2021. There are no settlements during the reporting period.

Analysis:

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

List of Attachments:

- A. State of Nevada Department of Transportation Contracts Awarded – Under \$5,000,000, January 8, 2020 through February 4, 2021.
- B. State of Nevada Department of Transportation Executed Agreements – Informational, January 8, 2020 through February 4, 2021.

Recommendation for Board Action:

Informational item only

Prepared by:

Administrative Services Division

Attachment

A

**STATE OF NEVADA DEPARTMENT OF TRANSPORTATION
 CONTRACTS AWARDED - INFORMATIONAL
 January 8, 2021 through February 4, 2021**

1. December 17, 2020 at 1:30 PM the following bids were opened for Contract **804-20**, Project No. SP-MS-1301(012), at the Elko Maintenance Station for the construction of a Vehicle Paint Booth.

Walker River Construction Inc.....	\$3,328,072.00
MKD Construction, Inc.....	\$3,423,777.00

Engineer's Estimate\$2,756,144.00

The Director awarded the contract on January 25, 2021 to Walker River Construction Inc. in the amount of \$3,328,072.00.

2. January 7, 2021 at 2:00 PM the following bids were opened for Contract **3853**, Project No. SP-000M (293), on SR 208 and SR 338, in Douglas and Lyon Counties, for Slurry seal.

Sierra Nevada Construction, Inc.	\$1,044,007.00
Intermountain Slurry Seal, Inc.....	\$1,101,101.00

Engineer's Estimate\$1,004,351.59

The Director awarded the contract on January 28, 2021 to Sierra Nevada Construction Inc. in the amount of \$1,044,007.00.

3. January 14, 2021 at 2:30 PM the following bids were opened for Contract **3852**, Project No. SP-000M (292), on I-15, in Clark County, for Construct Fence Improvements.

Amalgamated Safety Company.....	\$2,249,983.50
Las Vegas Paving Corporation.....	\$2,800,000.00

Engineer's Estimate\$2,341,923.54

The Director awarded the contract on February 9, 2021, to Amalgamated Safety Company in the amount of \$2,249,983.50.

4. January 14, 2021 at 3:00 PM the following bids were opened for Contract **805-20**, Project No. SP-MS-2235(003), at the Wellington Maintenance Station for the construction of a salt and sand structure.

Desert Engineering	\$1,168,000.00
Walker River Construction Inc.....	\$1,212,283.00
MKD Construction, Inc.	\$1,389,000.00

Engineer's Estimate\$1,146,767.24

The Director awarded the contract on January 29, 2021 to Desert Engineering in the amount of \$1,168,000.00.

Attachment B

State of Nevada Department of Transportation
Executed Agreements - Informational
January 8, 2021 through February 4, 2021

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	01321	00	DONALD AND ANNA CATES	PURCHASE PROPERTY	N	\$1,100.00	-	-	\$1,100.00	-	01/29/2021	01/31/2026	-	Acquisition	Right-of-Way	Darin	Craig	01-29-21: PARTIAL FEE FOR THE ACQUISITION OF LAND RIGHTS FOR THE INSTALLATION OF A SIGNAL POLE ON PROJECT SPF-050-5(015), ON PARCEL U-050-WP-067.890., WHITE PINE COUNTY. NV B/L#: EXEMPT
2	09820	00	CITY OF ELKO	STORM WATERS SYSTEMS PERMIT	N	\$30,000.00	-	-	\$15,000.00	\$15,000.00	01/15/2021	06/30/2023	-	Cooperative	Stormwater	Darin	My-Linh	01-15-21: PARTNERSHIP IN THE IMPLEMENTATION OF MUNICIPAL SEPARATE STORM SYSTEMS PERMIT STORMWATER MANAGEMENT PROGRAM AND ELEMENTS, STATEWIDE. NV B/L#: EXEMPT
3	71619	00	CITY OF LAS VEGAS	COLDMILL AND OVERLAY	N	\$460,000.00	-	-	\$460,000.00	-	10/27/2020	12/30/2021	-	Cooperative	District I	Jeff	Mario	10-27-20: DESIGN, ADVERTISE, AWARD, AND ADMINISTER THE CONTRACT OF THE ROADWAY IMPROVEMENT SERVICES ON EASTBOUND STATE ROUTE 573, AT THE CRAIG ROAD AND JONES BOULEVARD INTERSECTION, CLARK COUNTY. NV B/L#: EXEMPT
4	18420	01	KERN RIVER GAS TRANSMISSION CO	UTILITY ADJUSTMENT	Y	\$86,350.00	-	\$58,100.00	\$144,450.00	-	05/11/2020	05/31/2025	01/26/2021	Facility	Right-of-Way	Darin	Craig	AMD 1 01-26-21: INCREASE AUTHORITY BY \$58,100.00 FROM \$86,350.00 TO \$144,450.00 TO INCLUDE SECOND TEST STATION ADJUSTMENT FOUND DURING CONSTRUCTION ON THE CENTENNIAL BOWL PROJECT, ON US-95/CC-215. 05-11-20: ADJUSTMENT OF THE KERN RIVER GAS TRANSMISSION COMPANY TEST STATION CURRENTLY IN CONFLICT WITH NDOT'S CENTENNIAL BOWL PROJECT ON US-95/CC-215, CLARK COUNTY. NV B/L#: NVF20171762037
5	57120	00	NV ENERGY	LINE EXTENSION AGREEMENT	N	\$3,729.00	-	-	\$3,729.00	-	01/13/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-13-21: INSTALLATION OF A NEW 200A POWER SERVICE FOR INFORMATION TECHNOLOGY SYSTEM INFRASTRUCTURE AT US-50A AND NEVADA PACIFIC PARKWAY IN FERNLEY, LYON COUNTY. NV B/L#: NVD19831015840
6	57220	00	NV ENERGY	LINE EXTENSION AGREEMENT	N	\$3,742.00	-	-	\$3,742.00	-	01/20/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-20-21: NEW ELECTRIC SERVICE FOR LUMINAIRE LIGHTING, TO MEET DEPARTMENT PROJECT DEMANDS OF A NEW 200A POWER SERVICE PEDESTAL AT STATE ROUTE 28 AND RED CEDAR DRIVE IN INCLINE VILLAGE, WASHOE COUNTY. NV B/L#: NVD19831015840
7	56820	00	UNION PACIFIC RAILROAD	PRELIMINARY ENGINEERING	N	\$25,000.00	-	-	\$25,000.00	-	01/12/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-12-21: REIMBURSE UNION PACIFIC RAILROAD'S TIME FOR PLAN REVIEWS OF PROJECT #60969 RELATED IMPROVEMENTS, AND WORK ON BRIDGE G-1346, OVER RAILROAD CROSSING 735722L, PERSHING COUNTY. NV B/L#: NVF19691003146
8	40020	00	GREYHOUND LINES, INC.	GRANT FUND REIMBURSEMENT	Y	\$2,657,134.00	-	-	\$2,657,134.00	-	11/24/2020	09/30/2022	-	Grantee	Planning	Sondra	Mark	11-24-20: REIMBURSEMENT OF ELIGIBLE LOSSES DUE TO COVID-19 AS PROVIDED BY \$5311(F) FUND THROUGH THE FEDERAL TRANSIT ADMINISTRATION. NV B/L#: NVF19871029172
9	38620	00	LAS VEGAS METROPOLITAN POLICE DEPARTMENT	MASTER PLANNING SERVICES	N	\$60,000.00	-	-	\$60,000.00	-	01/06/2021	12/31/2021	-	Interlocal	Public Information Office	Cole	Ryan	01-06-21: PREPARE A NEEDS ASSESSMENT, TRAINING ASSESSMENT AND MASTER PLANNING SERVICES FOR REGIONAL NEVADA JOINT TRAINING FACILITY EMERGENCY VEHICLE OPERATION COURSE (EVOC), AND DRIVERS TRAINING FACILITY. EVOC IS A JOINT PARTNERSHIP BETWEEN LAS VEGAS METROPOLITAN POLICE DEPARTMENT, NDOT, NEVADA HIGHWAY PATROL AND NELLIS AIR FORCE BASE, CLARK COUNTY. NV B/L#: EXEMPT
10	51920	00	REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY	DESIGN AND CONSTRUCT INTERCHANGE	N	\$10,000,000.00	-	-	\$10,000,000.00	-	01/12/2021	12/31/2023	-	Interlocal	Project Management	Darin	Nick	01-12-21: DESIGN AND CONSTRUCT THE LEMMON DRIVE INTERCHANGE DIVERGING DIAMOND AS PART OF THEIR LEMMON DRIVE WIDENING PROJECT FROM MILITARY ROAD TO US 395, WASHOE COUNTY. NV B/L#: EXEMPT
11	39120	00	HUMBOLDT COUNTY	PROVIDE STRIPING SERVICES	N	\$125,000.00	-	-	\$125,000.00	-	01/13/2021	12/31/2023	-	Interlocal	District III	Jeff	Boyd	01-13-21: FURNISH DEPARTMENT LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROVIDE ROADWAY CENTERLINE AND SHOULDER STRIPING ON COUNTY ROADWAYS, HUMBOLDT COUNTY. NV B/L#: EXEMPT
12	58920	00	VALLEY ELECTRIC ASSOCIATION	COMMUNICATION SITE FACILITIES	N	\$39,900.00	-	-	\$39,900.00	-	02/01/2021	01/31/2026	-	Lease	Traffic Operations	Jeff	Seth	02-01-21: VALLEY ELECTRIC ASSOCIATION, INC. WILL PROVIDE COMMUNICATION SITE FACILITIES, POWER, AND A NETWORK CONNECTION TO SUPPORT THE DEPARTMENT'S P25 RADIO SYSTEM, ESERALDA COUNTY. NV B/L#: NVD19651000140
13	56620	00	CALIFORNIA HOTEL & CASINO/BOYD	TEMPORARY EASEMENT	Y	\$21,000.00	-	-	\$21,000.00	-	01/08/2021	02/28/2023	-	Right-of-Way Access	Right-of-Way	Darin	Craig	01-08-21: ONE (1) TEMPORARY EASEMENT FOR ACCESS OVER AND ACROSS PARCEL I-515-CL-074.647TE1, CLARK COUNTY. NV B/L#: NVD19731003225
14	56720	00	M.S.W. INC., C/O BOYD GAMING	TEMPORARY EASEMENT	Y	\$205,000.00	-	-	\$205,000.00	-	01/08/2021	02/28/2023	-	Right-of-Way Access	Right-of-Way	Darin	Craig	01-08-21: ONE (1) TEMPORARY EASEMENT FOR ACCESS OVER AND ACROSS PARCEL I-515-CL-074.706TE1, CLARK COUNTY. NV B/L#: NVD19921063730
15	54320	00	BRIGHT CLEANING SERVICES	JANITORIAL SERVICES	N	\$46,680.00	-	-	\$46,680.00	-	01/14/2021	06/30/2023	-	Service Provider	District I	Jeff	Mario	01-14-21: JANITORIAL SERVICES FOR VARIOUS CREW TRAILERS, CLARK COUNTY. NV B/L#: NVD20161746014-Q PROPOSERS: BRIGHT CLEANING SERVICES AND XCEL MAINTENANCE
16	43720	00	CC TRAVEL AND EVENTS	CONTRACT COMPLIANCE MONITORING	N	\$200,000.00	-	-	\$200,000.00	-	01/06/2021	06/30/2022	-	Service Provider	Contract Compliance	Jeff	Sonnie	01-06-21: CONTRACT COMPLIANCE MONITORING SERVICES FOR COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ON THE DEPARTMENT'S CONTRACTS. NV B/L#: NVD20201959507-S
17	32320	00	D&B PROFESSIONAL CLEANING	JANITORIAL SERVICES	N	\$47,720.00	-	-	\$47,720.00	-	08/14/2020	04/30/2023	-	Service Provider	District III	Jeff	Boyd	08-14-20: JANITORIAL SERVICES AT THE PINE VALLEY REST STOP LOCATED ON STATE ROUTE 278 BETWEEN CARLIN AND EUREKA, MILEPOST 39.50, EUREKA COUNTY. NV B/L#: NVD20101094756-Q PROPOSERS: D&B PROFESSIONAL CLEANING SERVICES
18	39520	00	D&B PROFESSIONAL CLEANING	JANITORIAL SERVICES	N	\$40,774.80	-	-	\$40,774.80	-	11/23/2020	03/31/2023	-	Service Provider	District III	Jeff	Boyd	11-23-20: JANITORIAL SERVICES AT THE VALLEY OF THE MOON (FISH CREEK) REST AREA, RP 805, STATE ROUTE 305, MILEPOST LA-79.30, LANDER COUNTY. NV B/L#: NVD20101094756-Q PROPOSERS: D&B PROFESSIONAL CLEANING SERVICES
19	36920	00	FACILITIES MANAGEMENT, INC.	TRUCK WASH STAND	N	\$152,900.00	-	-	\$152,900.00	-	11/12/2020	07/31/2021	-	Service Provider	Architecture	Jeff	Anita	11-12-20: STABILIZE AND SEISMICALLY SECURE THE EXISTING TRUCK WASH CONE BOTTOM TANK STAND TO A NEW CONCRETE FOOTING. NYE COUNTY. NV B/L#: NVD20011331118-Q PROPOSERS: FACILITIES MANAGEMENT, INC., AND SIMERSON CONSTRUCTION

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
20	01821	00	FIRST AMERICAN TITLE COMPANY	TITLE REPORTS	N	\$13,200.00	-	-	\$13,200.00	-	02/01/2021	01/31/2023	-	Service Provider	Right-of-Way	Darin	Craig	02-01-21: PRELIMINARY TITLE REPORTS FOR PROJECT SPSR-0445(003), ON STATE ROUTE 445 FROM QUEEN WAY TO GOLDEN VIEW DRIVE, WASHOE COUNTY. NV B/L#: NVD20101732945
21	22920	01	GALT DEVELOPMENT, LLC	MILL AND FILL	N	\$174,336.15	-	\$20,320.54	\$194,656.69	-	07/27/2020	12/31/2021	02/03/2021	Service Provider	District I	Jeff	Mario	AMD 1 02-03-21: INCREASE AUTHORITY BY \$20,320.54 FROM \$174,336.15 TO \$194,656.69 DUE TO THE ADDITION OF TWO BURNT AREAS REQUIRING REPAIRS, NEAR THE LIMITS OF THE ORIGINAL AGREEMENT. ADDITIONAL TIME IS NOT ANTICIPATED. 01-26-21: P229-20-101A WAS EXECUTED DUE TO ORIGINAL AGREEMENT EXPIRING BEFORE WORK COULD BE COMPLETED. EXTENDED TERMINATION DATE FROM 12-31-2020 TO 12-31-21, TO FACILITATE AMENDMENT REQUIRED TO ADD FUNDING FOR EXTRA ROADWAY REPAIRS, AND TO ALLOW PROCESSING AND FINAL PAYMENT TO THE SERVICE PROVIDER. 07-27-20: ROADWAY PAVEMENT AND BARRIER RAIL REPAIR DUE TO MULTIPLE VEHICLE ACCIDENTS ON STATE ROUTE 163, LAUGHLIN ROAD AND STATE ROUTE 165, NELSON ROAD, CLARK COUNTY. NV B/L#: NVD20101761769-Q. PROPOSERS: GALT DEVELOPMENT, LLC, LAS VEGAS PAVING CORPORATION, AGGREGATE INSUDSTRIES-SWR INC.
22	38320	00	GENESIS RESOURCE, INC.	INSTALL KEYWATCHER SOFTWARE	N	\$40,423.68	-	-	\$40,423.68	-	10/27/2020	12/31/2021	-	Service Provider	District II	Jeff	Mike	10-27-20: INSTALLATION OF THE KEYWATCHER AND PROPRIETARY SOFTWARE PROGRAM AT THE GALENA MAINTENANCE STATION, THE MT. ROSE MAINTENANCE STATION, AND THE VIRGINIA CITY MAINTENANCE STATION, WASHOE AND STOREY COUNTIES. NV B/L#: EXEMPT-S
23	57420	00	JOHNSON PERKINS GRIFFIN, LLC	APPRAISAL SERVICES	Y	\$5,000.00	-	-	\$5,000.00	-	01/20/2021	12/31/2021	-	Service Provider	Right-of-Way	Darin	Craig	01-20-21: UPDATED APPRAISALS REQUIRED TO PROVIDE ESTIMATES OF RECOMMENDED JUST COMPENSATION FOR THE CONDEMNATION ACT, ON FARM DISTRICT ROAD (STATE ROUTE 828), FROM CRIMSON ROAD TO JASMINE LANE, MILEPOST LY 0.9-2.75, LYON COUNTY. NV B/L#: NVD20151108081
24	00121	00	QCS, INC.	HVAC MAINTENANCE	N	\$13,200.00	-	-	\$13,200.00	-	01/21/2021	12/31/2022	-	Service Provider	District II	Jeff	Mike	01-21-21: PREVENTATIVE MAINTENANCE OF THE HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) SYSTEM AT THE RENO ADMINISTRATION BUILDING, 305 GALLETTI WAY, WASHOE COUNTY. NV B/L#: NVD19871024410-S
25	51120	00	GLOBAL CONTRACT SERVICES, LLC, DBA SKIDABRADER	ABRADE CONCRETE PAVEMENT	N	\$245,436.35	-	-	\$245,436.35	-	11/12/2020	06/30/2021	-	Service Provider	District II	Jeff	Mike	11-12-20: PAVEMENT SURFACE ABRADING ON I-80 EASTBOUND AND WESTBOUND, WA 20.05 TO WA 23.97. NV B/L#: NVF20201935623-S

NO COST AGREEMENTS AND/OR AMENDMENTS

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total of Prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Director's Office	Division Head	Notes
26	31920	00	CLARK COUNTY	MAINTENANCE AND OPERATION OF COMMUNICATION EQUIPMENT	N	-	-	-	-	-	07/01/2020	06/30/2025	-	Cooperative	Traffic Operations	Jeff	Seth	07-01-20: NO COST AGREEMENT FOR CLARK COUNTY TO PROVIDE SPACE AND A BACKHAUL CIRCUIT AT THEIR MOUNT SPRINGS COMMUNICATION SITE AND NDOT WILL PROVIDE A BATTERY PLANT CAPABLE OF POWERING THE EXISTING LOAD AS WELL AS THE EXISTING EQUIPMENT, CLARK COUNTY. NV B/L#: EXEMPT
27	51020	00	ESMERALDA COUNTY SHERIFF'S DEPARTMENT	P25 RADIO ANTENNA INSTALLATION	N	-	-	-	-	-	11/01/2020	10/31/2025	-	Cooperative	Traffic Operations	Jeff	Seth	11-01-20: NO COST AGREEMENT FOR THE ESMERALDA COUNTY SHERIFF TO ALLOW THE DEPARTMENT TO INSTALL P25 RADIO ANTENNAS ON THEIR TOWER, ESMERALDA COUNTY. NV B/L#: EXEMPT
28	00721	00	REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY	FEDERAL METROPOLITAN PLANNING (PL)	N	-	-	-	-	-	02/01/2021	09/30/2022	-	Cooperative	Planning	Sondra	Mark	02-01-21: NO COST AGREEMENT TO SET FORTH GENERAL PROVISIONS FOR THE DUTIES OF THE PARTIES FOR THE EXPENDITURE OF THE FEDERAL METROPOLITAN PLANNING (PL) FUNDS, WASHOE COUNTY. NV B/L#: EXEMPT
29	57320	00	PILGRIM MEDIA GROUP, LLC	SPECIAL EVENT ACCESS	N	\$204.00	-	-	-	\$204.00	01/16/2021	02/28/2021	-	Event	Right-of-Way	Darin	Craig	01-16-21: NO COST AGREEMENT FOR TEMPORARY RIGHT-OF-WAY FOR SPECIAL EVENT FILMING ON HARRY ALLEN POWER PLANT ROAD (OLD STATE ROUTE 6), AND STATE ROUTE 604 (LAS VEGAS BOULEVARD), CLARK COUNTY. NV B/L#: EXEMPT
30	02421	00	COX COMMUNICATIONS, LAS VEGAS	OCCUPANCY PERMIT	N	-	-	-	-	-	02/04/2021	02/28/2046	-	Facility	Right-of-Way	Darin	Craig	02-04-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT UNDER PERMIT NUMBER 213052, ON STATE ROUTE 159 AT MILEPOST 29.9 - 29.96, CLARK COUNTY. NV B/L#: EXEMPT
31	56920	00	COX COMMUNICATIONS, LAS VEGAS	OCCUPANCY PERMIT	N	-	-	-	-	-	01/12/2021	12/31/2045	-	Facility	Right-of-Way	Darin	Craig	01-12-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT, UNDER PERMIT NUMBER 212946 ON STATE ROUTE 604, MILEPOST 48.39-48.40, CLARK COUNTY. NV B/L# NVF19981315619
32	01621	00	COX COMMUNICATIONS, LAS VEGAS	OCCUPANCY PERMIT	N	-	-	-	-	-	01/28/2021	01/31/2046	-	Facility	Right-of-Way	Darin	Craig	01-28-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT UNDER PERMIT NUMBER 213041, ON STATE ROUTE 582 AT MILEPOST 27.07-27.10, CLARK COUNTY. NV B/L#: EXEMPT
33	01221	00	CROWN CASTLE	OCCUPANCY PERMIT	N	-	-	-	-	-	01/25/2021	01/31/2046	-	Facility	Right-of-Way	Darin	Craig	01-25-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT UNDER PERMIT NUMBER 212742, ON STATE ROUTE 146 AT MILEPOST 4.26-4.27, CLARK COUNTY. NV B/L#: EXEMPT
34	02121	00	NEVADA BELL DBA AT&T NEVADA	OCCUPANCY PERMIT	N	-	-	-	-	-	02/03/2021	02/01/2046	-	Facility	Right-of-Way	Darin	Craig	02-03-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT UNDER PERMIT NUMBER 212873, ON US-50 AT MILEPOST 26.03, LYON COUNTY. NV B/L#: EXEMPT
35	01021	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	01/25/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-25-21: NO COST AGREEMENT FOR REQUESTED ELECTRIC SERVICE BEFORE ENTERING INTO A LINE EXTENSION AGREEMENT. THE DEPARTMENT WILL BE REMOVING AN EXISTING SERVICE METER AND REPLACING IT WITH A NEW 120/240 SERVICE METER ON THE CORNER OF NELLIS BOULEVARD, AND CHARLESTON BOULEVARD, CLARK COUNTY. NV B/L#: NVD19831015840
36	01121	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	01/25/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-25-20: NO COST AGREEMENT TO MOVE FORWARD WITH REQUESTED ELECTRIC SERVICE BEFORE ENTERING INTO A LINE EXTENSION AGREEMENT. THE DEPARTMENT WILL BE RELOCATING A POLE MOUNTED TRANSFORMER, AND ADDING A NEW METER PEDESTAL ON STATE ROUTE 612 (NELLIS BOULEVARD), FROM STATE ROUTE 593 (TROPICANA AVENUE), TO STATE ROUTE 604 (LAS VEGAS BOULEVARD), CLARK COUNTY. NV B/L#: NVD19831015840
37	01421	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	01/26/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-26-21: NO COST AGREEMENT FOR A NEW TWO HUNDRED (200) AMP SERVICE PEDESTAL PROVIDING POWER TO FOURTEEN (14) NEW LED LUMINARIES AT FOURTEEN (14) NEW LOCATIONS, IMPROVING NIGHTTIME VISIBILITY IN AND AROUND THE INTERSECTION AT STATE ROUTE 431, 3701A MOUNT ROSE HIGHWAY(EDMONTON DRIVE), WASHOE COUNTY. NV B/L#: NVD19831015840
38	01521	00	NV ENERGY	DESIGN APPROVAL	N	-	-	-	-	-	01/26/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-26-21: NO COST AGREEMENT FOR A NEW ONE HUNDRED (100) AMP SERVICE PEDESTAL TO PROVIDE POWER TO THE RECTANGULAR RAPID FLASHING BEACON SYSTEM, TO INCREASE PEDESTRIAN CROSSING SAFETY BY ALERTING MOTORISTS IN AND AROUND THE INTERSECTION OF STATE ROUTE 305 AND BROYLES RANCH ROAD, LANDER COUNTY. NV B/L#: NVD19831015840
39	01721	00	NV ENERGY	DESIGN INITIATION	N	-	-	-	-	-	01/28/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	01-28-21: NO COST AGREEMENT TO INITIATE THE DESIGN OF A NEW SERVICE PEDESTAL TO POWER THE ITS INFRASTRUCTURE FOR PROJECT SPSR-0160(022), AT THE INTERSECTION OF STATE ROUTE 159 AND STATE ROUTE 160 (I-15 TO PAHRUMP), CLARK AND NYE COUNTIES. NV B/L#: NVD19831015840
40	01921	00	NV ENERGY	DESIGN INITIATION	N	-	-	-	-	-	02/03/2021	01/31/2026	-	Facility	Right-of-Way	Darin	Craig	02-03-21: NO COST AGREEMENT TO DESIGN TWO (2) NEW SERVICE PEDESTALS FOR THE I-15 PHASE III PROJECT (SPI-015-1(079)), TO POWER TRUCK PARKING LOTS TO BE CONSTRUCTED ON I-15 NORTH, FROM SPEEDWAY TO GARNET, MILEPOST CL 53.61 TO MILEPOST CL 64.28, CLARK COUNTY. NV B/L#: NVD19831015840
41	02321	00	NV ENERGY	MANHOLE & VALVE COVERS	N	\$13,800.00	-	-	-	\$13,800.00	02/03/2021	02/28/2026	-	Facility	Right-of-Way	Darin	Craig	02-03-21: NO COST AGREEMENT FOR MANHOLE AND VALVE COVER ADJUSTMENT FOR A FOUR (4) INCH MILL, WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, FOR THE UPGRADING OF ADA RAMPS IN SIDEWALKS, MULTIPLE HYDRAULIC AND STORM DRAIN IMPROVEMENTS, AND THE INSTALLATION OF AN INTELLIGENT TRANSPORTATION 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#: NVD19831015840
42	02521	00	NV ENERGY	MANHOLE AND VALVE COVERS	N	\$6,900.00	-	-	-	\$6,900.00	02/04/2021	02/28/2026	-	Facility	Right-of-Way	Darin	Craig	02-04-21: NO COST AGREEMENT FOR MANHOLE AND VALVE COVER ADJUSTMENT FOR A FOUR (4) INCH MILL TO THE ROADWAY, WITH A THREE (3) INCH PBS AND ONE (1) INCH OPEN-GRADE OVERLAY, SHOULDER RECONSTRUCTION, AND MULTIPLE HYDRAULIC AND STORM DRAIN IMPROVEMENTS, FOR THE INSTALLATION OF AN INTELLIGENT TRANSPORTATION SYSTEM (ITS) TRUNK-LINE AND THE REMOVAL AND RECONSTRUCTION OF BARRIER RAIL ON STATE ROUTE 431; FROM STATE ROUTE 28 TO 0.062 MILES EAST OF THE MOUNT ROSE SUMMIT, WASHOE COUNTY. NV B/L#: NVD19831015840
43	57020	00	SPECTRUM PACIFIC WEST, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	01/13/2021	12/31/2045	-	Facility	Right-of-Way	Darin	Craig	01-13-21: NO COST AGREEMENT FOR AN OCCUPANCY PERMIT UNDER PERMIT 212951, ON US-395A AT MILEPOST 18.00, WASHOE COUNTY. NV B/L#: EXEMPT

NO COST AGREEMENTS AND/OR AMENDMENTS

Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total of Prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Director's Office	Division Head	Notes
44	44020	00	CITY OF ELKO	TRAFFIC SIGNALS	N	-	-	-	-	-	01/15/2021	12/31/2040	-	Interlocal	District III	Jeff	Boyd	01-15-21: NO COST AGREEMENT TO DEFINE THE MAINTENANCE RESPONSIBILITIES AND REPAIR SERVICES REQUIRED FOR THE CONTINUED FUNCTIONING OF THE RECTANGULAR RAPID FLASHING BEACON (RRFB) AT EACH INTERSECTION, ELKO COUNTY. NV B/L#: EXEMPT
45	59120	00	REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY	ROLES AND RESPONSIBILITIES	N	\$49,100,000.00	-	-	-	\$49,100,000.00	01/21/2021	12/31/2026	-	Interlocal	Project Management	Darin	Nick	01-21-21: NO COST AGREEMENT TO ESTABLISH ROLES AND RESPONSIBILITIES BETWEEN THE DEPARTMENT AND THE REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY REGARDING PROJECT RIGHT-OF-WAY ACQUISITION, UTILITY RELOCATION, CONSTRUCTION, AND CONSTRUCTION MANAGEMENT, WASHOE COUNTY. NV B/L#: EXEMPT
46	32520	00	DEREK ZACK	EMPLOYEE LEASE	N	\$2,400.00	-	-	-	\$2,400.00	09/29/2020	07/25/2024	-	Lease	District I	Jeff	Mario	09-29-20: NO COST AGREEMENT FOR EMPLOYEE LEASE OF HOUSE #3 AT BIG SMOKY MAINTENANCE STATION.
47	02021	00	FLAMINGO RANCH, LLC	MULTI-USE LEASE	N	\$4,430.00	-	-	-	\$4,430.00	02/01/2021	02/28/2026	-	Lease	Right-of-Way	Darin	Craig	02-01-20: NO COST AGREEMENT FOR FIVE (5) YEAR LEASE AGREEMENT FOR LANDSCAPING AND PARKING, WITH THE OPTION TO RENEW FOR THREE (3) ADDITIONAL TERMS, ON PARCEL NUMBERS 138-26-399-012 AND 138-27-799-005, CLARK COUNTY. NV B/L#: NVD20041254282
48	00321	00	FRANKLIN HAINSWORTH	EMPLOYEE LEASE	N	\$2,400.00	-	-	-	\$2,400.00	01/19/2021	01/12/2025	-	Lease	District III	Jeff	Boyd	01-19-21: NO COST AGREEMENT FOR EMPLOYEE HOUSE LEASE, INDEPENDENCE MAINTENANCE STATION #252, ELKO COUNTY. NV B/L#: EXEMPT
49	39720	00	JEROMIE SORHOUET	EMPLOYEE LEASE	N	\$3,860.00	-	-	-	\$3,860.00	10/28/2020	11/30/2024	-	Lease	District III	Jeff	Boyd	10-28-20: NO COST AGREEMENT FOR EMPLOYEE LEASE OF HOUSE #1, OROVADA MAINTENANCE STATION, HUMBOLDT COUNTY NV B/L#: EXEMPT
50	00521	00	KENDALL MARLAR	EMPLOYEE LEASE	N	\$5,400.00	-	-	-	\$5,400.00	01/26/2021	02/20/2025	-	Lease	District III	Jeff	Boyd	01-26-21: NO COST AGREEMENT FOR EMPLOYEE LEASE OF HOUSE #241, AT EMIGRANT MAINTENANCE STATION, EUREKA COUNTY. NV B/L#: EXEMPT
51	50320	00	ROBERT BUCK	EMPLOYEE LEASE	N	\$2,900.00	-	-	-	\$2,900.00	11/06/2020	10/07/2024	-	Lease	District I	Jeff	Mario	11-06-20: NO COST AGREEMENT FOR EMPLOYEE LEASE OF HOUSE #4, BLUE JAY PASS MAINTENANCE STATION.
52	46788	01	EP MINERALS, LLC	SECURITY FENCING AND STORAGE	N	\$500.00	-	-	-	\$500.00	08/01/1988	12/31/2040	01/26/2021	License	Right-of-Way	Darin	Craig	AMD 1 01-26-21: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 12-01-19 TO 12-31-2040. UPDATE SECOND PARTY NAME FROM EAGLE PITCHER MINERALS TO EP MINERALS, LLC., AND ADD SECOND PARTY CONTACT. 08-01-88: LICENSE FOR TEMPORARILY USING A PORTION OF RIGHT-OF-WAY FOR SECURITY FENCING AND STORAGE IN WASHOE COUNTY, PERSHING COUNTY. NV B/L#: NVF20061662495
53	44120	00	ZAYO GROUP, LLC	FIBER-OPTIC INFRASTRUCTURE	N	-	-	-	-	-	01/08/2021	01/07/2026	-	License	Traffic Operations	Jeff	Seth	01-08-21: NO COST AGREEMENT TO DEFINE A COMPREHENSIVE PROCESS IN WHICH EACH PARTY CAN IDENTIFY EXISTING EXCESS CAPACITY IN THE TELECOMMUNICATION FACILITIES AND CONDUIT INFRASTRUCTURE OF THE OTHER PARTY, AND UTILIZE THAT CAPACITY IN EXCHANGE OF TRADE VALUE FOR THE USE OF TELECOMMUNICATION FACILITIES OF THE OTHER PARTY, STATEWIDE. NV B/L#: NVF20111064622
54	44220	00	ZAYO GROUP, LLC	RIGHT-OF-WAY ACCESS FOR TELECOMMUNICATIONS FACILITY	N	-	-	-	-	-	01/11/2021	01/10/2026	-	License	Traffic Operations	Jeff	Seth	01-11-21: NO COST AGREEMENT TO GRANT A TELECOMMUNICATIONS PROVIDER LONGITUDINAL ACCESS OR WIRELESS ACCESS TO A RIGHT-OF-WAY FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A TELECOMMUNICATION FACILITY AND REQUIRES ZAYO TO OBTAIN AN ENCROACHMENT PERMIT FROM THE DEPARTMENT FOR THE FACILITIES, STATEWIDE. NV B/L#: NVF20111064622
55	37315	03	ATKINS NORTH AMERICA	RESIDENT ENGINEER ACADEMY	N	\$296,081.50	\$300,000.00	-	\$596,081.50	-	12/30/2015	6/30/2023	1/19/2021	Service Provider	Construction	Darin	Sharon	AMD 3 01-19-21: NO COST AMENDMENT TO CHANGE THE SCOPE OF SERVICES TO INCLUDE ADDITIONAL SERVICES. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. AMD 2 06-17-19: INCREASE AUTHORITY BY \$300,000.00 FROM \$296,081.50 TO \$596,081.50, AND EXTEND THE TERMINATION FROM 12-30-19 TO 06-30-23, FOR THE CONTINUATION OF SERVICES FOR ANOTHER FOUR YEARS BASED ON THE QUALITY PROGRAM PROVIDED EVERY YEAR. AMD 1 08-23-18: EXTEND THE TERMINATION FROM 06-30-19 TO 12-31-19 FOR THE CONTINUATION OF SERVICES. 12-30-15: PROVIDE ASSISTANCE TO DEPARTMENT IN DEVELOPING, ORGANIZING, AND HOSTING THE RESIDENT ENGINEER ACADEMY, AND TO PROVIDE RESIDENT ENGINEERS WITH THE TOOLS AND TRAINING THEY'LL NEED TO SUCCESSFULLY ADMINISTER THE DEPARTMENT'S CONSTRUCTION PROJECTS, ENSURE COMPLIANCE WITH FEDERAL AND STATE REQUIREMENTS, FOLLOW THE DEPARTMENT'S MANUALS AND TO REDUCE THE NUMBER OF CLAIMS FILED AGAINST THE DEPARTMENT, WASHOE COUNTY. NV B/L#: NVF19981347315-R
56	67319	01	CA GROUP, INC.	PROJECT RISK ANALYSIS AND FINANCIAL PLANS	N	\$799,000.00	-	-	\$799,000.00	-	4/13/2020	04/28/2023	1/15/2021	Service Provider	Project Management	Darin	Nick	AMD 1 01-15-21: NO COST AMENDMENT TO CHANGE HOW RETENTION IS HANDLED TO STREAMLINE INVOICE AND ACCOUNTING PROCESSING. ADDITIONAL FUNDING AND TIME ARE NOT ANTICIPATED. 04-13-20: SERVICES WILL BE ON AN AS-NEEDED BASIS AND WILL INCLUDE: REVIEW RELEVANT PROJECT DOCUMENTS; CREATE, REVIEW AND EVALUATE THE MOST CURRENT BASE COST ESTIMATE; CREATE, REVIEW AND EVALUATE THE MOST CURRENT MICROSOFT OFFICE PROJECT (MS PROJECT) SCHEDULE; REVIEW AND UPDATE PROJECT REVENUE SOURCES BY COORDINATING WITH THE DEPARTMENT'S FINANCIAL MANAGEMENT, FHWA AND OTHER AGENCIES OR ENTITIES THAT ARE PROVIDING REVENUES; REVIEW AND UPDATE RISKS DELINEATED IN THE CURRENT RISK REGISTER; PERFORM PROBABILISTIC RISK ANALYSIS VIA MONTE CARLO SIMULATION MODELS TO ESTABLISH A PROBABLE RANGE FOR COST AND SCHEDULE; VALIDATE RISK INFORMATION PROVIDED AND RISK MODEL USED; REVIEW AND UPDATE PROJECT MANAGEMENT PLANS AND FINANCE PLANS; PERFORM VALUE ENGINEERING ANALYSIS; ESTABLISH RISK-BASED ESTIMATES; PERFORM BENEFIT COST ANALYSIS; UPDATE RISK MANAGEMENT AND RISK- BASED COST ESTIMATION GUIDELINES; AND PROVIDE TRAINING BASED ON THE UPDATED GUIDELINES, STATEWIDE. NV B/L#: NVD20081407877-R