



Department of Transportation
Board of Directors
Notice of Public Meeting
1263 South Stewart Street
Third Floor Conference Room
Carson City, Nevada
June 14, 2021 – 9:30 A.M.

AGENDA

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 Approval of the May 10, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes.—*For possible action.*
 4. Receive Director’s Report.—*Informational item only.*
 5. Consideration of Approval of Agreements over \$300,000—*For possible action.*
 6. 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.*
 7. Consideration of Approval to Replace Equipment in Excess of \$50,000 in Accordance with NRS 408.389 – *For possible action.*
 8. Consideration of Approval of a Resolution of Abandonment of a portion of land lying within SR-582 (Boulder Hwy.), near Pioneer Street, in the City of Henderson, Clark County, State of Nevada, ABD 20-01 - *For possible action.*
 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 public pursuant to NRS 241.015(3)(b)(2) in order to discuss legal matters.)—*For possible action.*
 11. Adjournment—*For possible action.*
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NOTES:

- Items on the agenda may be taken out of order.
- The Board may combine two or more agenda items for consideration.
- The Board may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.
- The Board will limit public comments to three (3) minutes per speaker and may place other reasonable restrictions on the time, place, and manner of the public comments based upon viewpoint.
- In lieu of in-person attendance, members of the public may submit public comment utilizing NDOT's online public comment form by clicking the following link: [Public Comment Form](#).

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.

- Reasonable efforts will be made to assist and accommodate physically handicapped persons desiring to attend the meeting. If special arrangements for the meeting are necessary, please notify Renee Jacobs at (775) 888-7440 or rjacobs@dot.nv.gov as soon as possible and at least two (2) days in advance of the meeting.
- This meeting is also expected to be available via video-conferencing at the Nevada Department of Transportation District I Office located at 123 East Washington, Las Vegas, Nevada in the Conference Room and at the District III Office located at 1951 Idaho Street, Elko, Nevada. Public comment may be provided at those locations.
- Copies of non-confidential supporting materials provided to the Board are available upon request. Request for such supporting materials should be made to Renee Jacobs at (775) 888-7440 or rjacobs@dot.nv.gov. Such supporting material is available at 1263 South Stewart Street, Carson City, Nevada 89712 and, if available on-line, at www.dot.nv.gov.



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This agenda was posted at the following locations:

<https://www.dot.nv.gov/doing-business/public-involvement-information>

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

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

Nevada Dept. of Transportation
310 Galletti Way
Sparks, Nevada

Nevada Dept. of Transportation
1951 Idaho Street
Elko, Nevada

Governor's Office
Capitol Building
101 N. Carson Street
Carson City, NV

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



Nevada Department of Transportation

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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, May 10, 2021. A roll call was conducted, and a quorum was established.

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

2. Public Comment #1

There were no public comments regarding items on the agenda.

3. Consideration of Approval of the April 12, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes (For Possible Action)

Motion: Approve the April 12, 2021 Nevada Department of Transportation Board of Directors Meeting Minutes

By: Member Justin Kalb

Vote: Passed unanimously

4. Receive Director's Report (Informational Item)

Director Swallow began the director's report with a discussion on safety. Director Swallow reported that traffic fatalities across the state are up 17 percent from the same last year and that 109 people have lost their lives



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on Nevada roadways in 2021. Nine counties have seen increased fatalities; seven of these counties have jumped more than 100 percent. Director Swallow reported that although pedestrian fatalities have gone down statewide, motorcyclist fatalities have risen 31 percent, as well as bicyclist fatalities, of which there were two this year from Clark County, an increase over the zero fatalities at this time last year. Director Swallow further indicated that unrestrained motorist fatalities have increased from this time last year, with a total of 24 thus far, and reminded the members of the Board and the public to wear their seatbelts to reduce the risk of serious injury or death in a crash by up to 50 percent.

Director Swallow described two crashes to the Board. The first occurred on April 20th in which a Gardnerville resident lost their life in a single-car crash on State Route 88 in Douglas County. The driver was unrestrained and pronounced deceased at the scene. The second crash included the loss of an NDOT highway maintenance worker out of the Tonopah district, who was involved in a single-vehicle crash on US 6 east of Tonopah. Director Swallow reminded the Board and the public that with the state reopening, summer travel and commuter traffic has increased and as such, reminded the public to drive sober, drive the speed limit, wear seatbelts, and do their part to protect themselves and others.

Director Swallow next discussed COVID traffic impacts across the state. Director Swallow informed the Board that truck traffic remains strong across the state, particularly in the Elko and the eastern part of the state. I-15 in southern Nevada remains above pre-pandemic levels, resulting in an increase in the Las Vegas numbers. Director Swallow explained that other southern Nevada sites are showing some growth, but that there is a bit of a lag overall. In northern Nevada, traffic volumes north of Reno at Panther Valley and on I-580 at the Carson City Bypass are exceeding pre-pandemic levels, but growth remains sluggish elsewhere. Tahoe also has remained slightly above pre-pandemic levels this month. Director Swallow indicated that the numbers are starting to see a more sustained increase and suggested that there will be more consistency as the state continues to move out of the pandemic.

Director Swallow updated the Board on happenings in the legislative session. As of May 1, NDOT is tracking over 100 bills and has completed 24 fiscal notes. Three of NDOT's four bills have been signed by Governor Sisolak. The fourth bill, which will create the Nevada Executive Committee on Traffic Safety under the use of a new acronym, Nevada ACTS, is out of Assembly, out of Committee, and in the Senate awaiting a vote prior to requiring Governor Sisolak's signature. Director Swallow indicated that NDOT is closely monitoring AB413, which looks at NDOT's funding sources and creates a sustainable funding source for the transportation system



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moving forward. Director Swallow indicated that this bill has passed unanimously out of the Senate Committee and is awaiting a Senate floor vote.

Director Swallow informed the Board that May is bike month and that a lot of people are out on their bikes as well as out walking. Director Swallow discussed the health benefits of biking and indicated that May is supported by the League of American Bicyclists and the National Center for Safe Routes to School. Director Swallow further indicated that as part of NDOT's Nevada Moves initiative and in celebration of bike month, many Nevada school districts held bike to school activities. Director Swallow cautioned drivers to be aware of bikers and pedestrians on the road.

Director Swallow indicated that it is National Infrastructure Week and as such, highlighted the importance of transportation, water, energy, and other infrastructure priorities that are critical to the future of Nevada families, workers, and businesses. Director Swallow reminded the Board that every dollar invested in infrastructure nationally generates nearly four dollars in economic growth. Director Swallow further indicated that inadequate infrastructure costs each American family an additional \$9 per day and explained that infrastructure in Nevada is much better than in other locations. Director Swallow explained that every billion dollars in federal investment in infrastructure supports roughly 13,000 American jobs. Director Swallow expressed NDOT's appreciation for the Board and its support of transportation infrastructure in keeping Nevadans safe and connected.

Director Swallow concluded her report by discussing the impact of NDOT and its program. Infrastructure job numbers from approved contracts between October 2020 and April 2021 equaled nearly 3,300 new jobs. The agenda for May includes an additional 189 jobs, which will total 3,488 jobs supported by NDOT through May of 2021.

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

Director Swallow indicated that there is one contract for approval under this agenda item, the preservation project on US 93 north of Caliente, for which the low bidder was WW Clyde and Company. Director Swallow explained that this corridor frequently serves as a detour for I-15 when there are closures. The preservation project will improve the pavement surface, provide additional drainage improvements that will extend the pavement life and reduce maintenance efforts along the corridor, and will provide new safety signs that warn of icy roads in inclement weather.



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Governor Sisolak noted that WW Clyde is a Utah-based company and asked if NDOT had discussed hiring Nevadans with the company.

Dustin Olson, WW Clyde, indicated that WW Clyde is signatory to Local 12 and Local 872 and at the time of bid submittal, there were not any Nevadans employed, but that the company intends to utilize union craft and subcontractors and suppliers from the state of Nevada.

Governor Sisolak indicated his thanks as the number of still unemployed Nevadans looking for work is a concern.

Motion: Approve the Contracts over \$5,000,000

By: Member Catherine Byrne

Vote: Passed unanimously

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

Director Swallow informed the Board that there are four agreements for the Board's consideration. Four Leaf Consulting will provide crew augmentation services for Elko County to help with the construction of contract 3854 along I-80. NIT is the selected consultant to provide the architectural and engineering design for the reconstruction of Searchlight Maintenance Station. Director Swallow indicated that this is just for the design, but that the actual construction is included in NDOT's budget for the upcoming biennium. Biological will be providing the federal highway mandated biological monitoring during the construction of I-15 Logandale to Mesquite project, which is required by the federal government to ensure the preservation of the endangered flora and fauna in the area. Hershenow & Klippenstein Architects will be overseeing the architectural and engineering design for the reconstruction of three rest areas at Beowawe, Millers, and Trinity. Director Swallow indicated that NDOT had anticipated requesting construction approval for this biennium but because the design is somewhat delayed, design will be first and then construction approval will be sought in the next biennium.

Justin Kalb expressed concern with the \$1.2 million price tag for a 7,000 square foot building, indicating that this breaks down to approximately \$165 a square foot for architectural services.



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Darin Tedford, NDOT, indicated that the Searchlight Maintenance Station includes the building, as well as design, grading, utilities, and connections. Mr. Tedford explained that the project includes the design of all of this and is actually a larger facility than the building and includes the entire maintenance yard.

Motion: Approve the Agreements over \$300,000
By: Member Stephen Ascuaga
Vote: Passed unanimously

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

Pursuant to NRS 408.131, the board may delegate authority to the director, which a director may exercise pursuant to NRS 408.205. These items and matters have been delegated to the Director by the Board by resolutions in April 1990 and July 2011. Director Swallow.

Director Swallow informed this is an information item only.

There were no questions from members.

8. Public Comment #2

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.

There was no public comment.

9. 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.

There was no executive session in this meeting.



Nevada Department of Transportation

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10. Adjournment (For Possible Action)

Motion: Adjourn the May 10, 2021 Nevada Department of Transportation Board of Directors Meeting
By: Member Catherine Byrne
Vote: Passed unanimously

Jeff Lerud, Deputy Director
Secretary to the Board of Directors



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

MEMORANDUM

June 2, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: June 14, 2021 | Transportation Board of Directors Meeting

ITEM #5: 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 April 9, 2021 through May 13, 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 April 9, 2021 through May 13, 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

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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, April 9, 2021 through May 13, 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
 April 9, 2021 through May 13, 2021

Attachment A

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	06221	00	4LEAF CONSULTING, LLC	I-515 VIADUCT SEISMIC RETROFIT	Y	\$4,538,493.00	-	-	\$4,538,493.00	-	6/14/2021	12/31/2022	-	Service Provider	Construction	Darin	Sam	06-14-21: PROVIDE CONSULTANT AUGMENTATION TO THE DEPARTMENT'S CONSTRUCTION CREW FOR SEISMIC RETROFIT AND BRIDGE DECK REHABILITATION OF DOWNTOWN LAS VEGAS VIADUCTS AND RAMP STRUCTURES; PROVIDING 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 FOR PROJECT BR-515-1(045), CONTRACT 3856 ON I-515/US 95, LAS VEGAS, FROM EASTERN AVENUE TO LAS VEGAS SPAGHETTI BOWL, AND AT EASTERN AVENUE AND DESERT INN ROAD, CLARK COUNTY. NV B/L#: NVF20101020523-R PROPOSERS: 4LEAF CONSULTING, LLC, CA GROUP, INC., CEEC, INC.
2	06721	00	CA GROUP, INC.	HIGH OCCUPANCY VEHICLES HOURS OF OPERATION PILOT STUDY	N	\$2,646,474.00	-	-	\$2,646,474.00	-	6/14/2021	12/31/2023	-	Service Provider	Traffic Operations	Jenica	Rod	06-14-21: EVALUATE THE CURRENT HOURS OF OPERATION OF THE HIGH OCCUPANCY VEHICLE (HOV) FACILITY IN THE LAS VEGAS METROPOLITAN AREA TO DETERMINE IF THEY CAN BE REDUCED TO LESS THAN THE CURRENT TWENTY-FOUR (24) HOURS PER DAY. THE HOV HOURS OF OPERATION PILOT STUDY (HOVHOPS) IS AN ATTEMPT TO ESTABLISH THE OPTIMUM HOV HOURS OF OPERATION AND UNDERSTAND ANY SIDE EFFECTS (POSITIVE OR NEGATIVE) ASSOCIATED WITH CHANGING THE HOURS OF OPERATION. TASKS MAY INCLUDE THE FOLLOWING: DATA COLLECTION; VALIDATION OF SENSOR DATA; PERFORM PUBLIC OUTREACH; DEVELOPMENT OF A CONTINUOUS MONITORING PLAN AND CONDUCT A LITERATURE REVIEW AND REPORT SUMMARY OF FINDINGS, CLARK COUNTY. NV B/L#: NVD20081407877-R PROPOSERS: CA GROUP, INC., ATKINS NORTH AMERICA, INC., KIMLEY-HORN AND ASSOCIATES
3	22820	00	TATE SNYDER KIMSEY ARCHITECTS, LTD. DBA TSK	ARCHITECTURAL SERVICES FOR THE LOVELOCK MAINTENANCE STATION	N	\$2,665,174.00	-	-	\$2,665,174.00	-	6/14/2021	12/31/2025	-	Service Provider	Architecture	Jenica	Anita	06-14-21: PROVIDE FULL ARCHITECTURAL, ENGINEERING DESIGN AND CONSTRUCTION SERVICES FOR THE LOVELOCK MAINTENANCE STATION. ARCHITECTURAL AND ENGINEERING SERVICES PROVIDED WILL INCLUDE SURFACE GRADING, DRAINAGE, DRIVEWAY ACCESS AND PARKING FOR APPROXIMATELY FIVE (5) ACRES OF THE TWENTY-FIVE (25) ACRE SITE, UTILITY CONNECTIONS, SITE FIRE PROTECTION, SEPTIC AND UNDERGROUND INFILTRATION SYSTEMS. CONSTRUCTION ELEMENTS WILL INCLUDE EIGHT-BAY MAINTENANCE, STORAGE AND ADMINISTRATION FACILITY, FUELING FACILITY, SAND AND SALT STORAGE FACILITY, SPREADER RACK STORAGE, COVERED VEHICLE STORAGE, LOADING DOCKS, RADIO TOWER, AND CONSTRUCTION TRAILER PADS, PERSHING COUNTY. NV B/L#: NVD20212004081-R PROPOSERS: TATE SNYDER KIMSEY ARCHITECTS, LTD. DBA TSK, H & K ARCHITECTS, BLAKELY JOHNSON & GHUSN, INC., FRAME ARCHITECTURE, INC., COLLABORATIVE DESIGN STUDIO, KGA ARCHITECTURE, SH ARCHITECTURE, KNIT, PAUL CAVIN ARCHITECT, LLC., PGAL, LLC., GEORGE M. ROGERS ARCHITECT, KME ARCHITECTS, RICHARDSON WETZL ARCHITECTS, LLC., BUNNYFISH STUDIO, AND SUZANA RUTAR ARCHITECT, LTD.
4	23020	00	RESOURCE SYSTEMS GROUP, INC.	STATEWIDE TRAVEL DEMAND MODEL (TDM) UPDATE	Y	\$765,848.00	-	-	\$765,848.00	-	6/14/2021	4/30/2025	-	Service Provider	Traffic Information	Sondra	Mark W.	06-14-21: UPGRADE STATE OF NEVADA TRAVEL DEMAND (TDM) MODEL TO THE LATEST VERSION OF TRANSCAD, IN ORDER TO INPUT LATEST VERSIONS OF REGIONAL TRANSPORTATION COMMISSION (RTC) AND METROPOLITAN PLANNING ORGANIZATION (MPO) MODELS AND BETTER ALIGN WITH MORE MODERN SOFTWARE VERSIONS. MODEL UPDATE TO INCLUDE UPDATING POPULATION AND EMPLOYMENT FILES, AS THESE WILL NOW BE USED IN THE NEW ONE NEVADA PROJECT PRIORITIZATION FOR ALL DEPARTMENT PROJECTS. CURRENT POPULATION AND EMPLOYMENT FIGURES DATE BACK TO 2012. UPDATE THE MODEL'S USER INTERFACE AND ADD SCENARIOS IN FIVE (5) YEAR INCREMENTS TO ALLOW FOR MODEL RUNS REFLECTIVE OF CURRENT BASE YEAR AND HORIZON YEARS. IMPROVE ACCURACY OF MODEL'S FREIGHT COMPONENT. THIS IS AN UPGRADE TO AN EXISTING MODEL AND A STATISTICAL UPGRADE TO THE DATA FILES IN THE BACKGROUND THAT INFORM THE MODEL. PROVIDE CONSULTANT-LED TRAINING RELATED TO USE OF TRANSCAD MODEL. TECHNICAL TRAINING WILL ENABLE TEAM TO EFFICIENTLY OPERATE THE NEWER SOFTWARE, STATEWIDE, NV B/L#: NVF20171532792-R PROPOSERS: METRO ANALYTICS, RESOURCE SYSTEMS GROUP, INC., CAMBRIDGE SYSTEMATICS, INC.
5	26921 27021 27121	00	JACOBS ENGINEERING GROUP, INC. KLEINFELDER, INC. NEWFIELDS COMPANIES, LLC	ON-CALL GEOTECHNICAL SERVICES	N	\$750,000.00	-	-	\$750,000.00	-	6/14/2021	6/30/2023	-	Service Provider	Materials	Jenica	Charlie	06-14-21: PROCURED UNDER RFP 522-20-020 TO SELECT THREE (3) FIRMS TO PROVIDE ON-CALL GEOTECHNICAL DESIGN AND ENGINEERING SERVICES FOR HIGHWAY TRANSPORTATION PROJECTS AS NEEDED. THE ON-CALL LIST WILL BE FOR A TWO (2) YEAR PERIOD AND WILL BE UTILIZED TO AUGMENT THE GEOTECHNICAL DIVISION'S INTERNAL DESIGN RESOURCES AS WELL AS TO PROVIDE ADDITIONAL SUPPORT WHEN SPECIALIZED EXPERTISE IS REQUIRED. THE MAXIMUM AMOUNT PAID TO ALL THREE CONSULTANTS COMBINED WILL NOT EXCEED \$750,000.00. DEVELOPMENT OF PLANS AND SPECIFICATIONS REGARDING GEOTECHNICAL ASPECTS SHALL FOLLOW THE MOST CURRENT VERSION OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION (AASHTO), LOAD AND RESISTANCE FACTOR DESIGN (LRFD), FEDERAL HIGHWAY ADMINISTRATION (FHWA) GUIDELINES, AND THE DEPARTMENT'S STANDARDS, STATEWIDE. NV B/L#: NVF20081035082-R, NVF19801004246-R, NVF20181620800-R PROPOSERS: JACOBS ENGINEERING GROUP, INC., NEWFIELDS COMPANIES, LLC, KLEINFELDER, INC., GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC., CONSTRUCTIONMATERIALS ENGINEERING SCIENCES, LLC., TERRACON CONSULTANTS, TETRA TECH, INC., CONSTRUCTION TESTING SERVICES
6	70218	01	JACOBS ENGINEERING GROUP, INC.	DEVELOPMENT AND REFINEMENT OF THE PRIORITIZATION PROCESS FOR ONE NEVADA PLAN	Y	\$1,536,000.00	-	\$1,500,000.00	\$3,036,000.00	-	9/4/2019	9/4/2024	6/14/2021	Service Provider	Planning	Sondra	Mark C.	AMD1 06-14-21: EXTEND TERMINATION DATE FROM 10-31-22 TO 12-31-25 AND INCREASE AUTHORITY BY \$1,500,000.00 FROM \$1,536,000.00 TO \$3,036,000.00 DUE TO THE NEED TO REFINE, DEVELOP, AND COORDINATE THE COMPLEXITIES OF THE PRIORITIZATION PROCESS AND TO CONTINUE THE DEVELOPMENT OF STRATEGIES, IMPLEMENTATION TOOLS, AND PROCESSES FOR NEED IDENTIFICATION AND PROJECT PRIORITIZATION. THE SCOPE OF SERVICES WILL ALSO INCLUDE CONSULTANT SUPPORT FOR INTERNAL PARTNERING ON THE IMPLEMENTATION OF THE ONE NEVADA PROCESS. 09-04-19: NEVADA'S MULTIMODAL TRANSPORTATION SYSTEM IS A NETWORK OF ASSETS THAT MUST MEET THE DEMAND TO MOVE GOODS AND COMMERCE IN AN EFFICIENT MANNER. THIS NETWORK OF ASSETS ENCOMPASSES ROADWAYS AND OTHER MODAL FACILITIES. THE GROWING DEMANDS ON THESE RESOURCES HAVE CREATED AN ESSENTIAL NEED TO PRIORITIZE PROJECT DEVELOPMENT. THE ONE NEVADA PLAN DEVELOPED A FOUNDATIONAL START TO MOVING PROJECT DEVELOPMENT INTO A PERFORMANCE-BASED DIRECTION AND IS A CONTINUING EFFORT. FURTHER DEVELOPMENT OF USEFUL TOOLS AND PROCEDURES WILL AFFORD THE PLAN ITS NEEDED DETAILS TO BECOME MORE EFFECTIVE. THE DEPARTMENT WILL PRIORITIZE PROJECTS AND NEEDS TO CREATE A TRANSPARENT PROCESS FOR PROJECT DEVELOPMENT, CONFIRMING THE TRANSPORTATION NEEDS OF THE STATE ARE BEING MET. THE INTENT OF THIS PROJECT IS TO PREPARE THE DEPARTMENT FOR THE PRIORITIZATION PROCESS FOR PROJECTS AND NEEDS TO BETTER FACILITATE RESOURCES AND TO MEET THE DEMANDS OF THE STATEWIDE TRANSPORTATION SYSTEM AND THE ONE NEVADA PLAN. THIS PROJECT INCLUDES PRIORITIZATION REFINEMENT, PROJECT/NEED GENERATION, DATA REQUIREMENTS AND PLANNING LEVEL SCOPING, STATEWIDE. NV B/L#: NV20081035082-R

Line Item 1

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

062-21-040

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): BR-515-1(045)

Type of Services: Construction Engineering Services

Originated by: Mark Caffaratti Division: Construction 040 Date Originated: 1/11/2021

Division Head/District Engineer: Sharon Foerschler

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

Estimated Cost: \$4,539,929.41 Type of Funding: Federal/State % of Fund: 95

Funding Notes: FY 2021=\$399,931.88 State Fiscal Year(s): FY 2021-2023
FY 2022=\$3,687,061.98
FY 2023=\$452,935.55

IT Review:

Signature Date

Financial Management:

Kristen Greenhut 1/21/2021

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 1/22/2021

Signature Date

Director:

Kristina Swallow 1/22/2021

Signature Date

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

062-21-040

For Agreement Services Only

Attachments:

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

If Amendment, attach original Agreement here:

Any additional information to attach:

Purpose of, and Justification for, Budget Request:

Due to the accelerated construction schedule, 6- days with day & night work, and the crew vacancy rate in District I, the Construction Division is requesting approval to proceed with a solicitation for Crew Augmented Construction Engineering Services in District I, Las Vegas.

Scope of Services:

The Scope of Services provides Crew 916 with an augmented crew to perform inspection, testing, scheduling, and public outreach services on Project BR-515-1(045), I-515 Viaduct Seismic Retrofit & Deck Rehabilitation Project east of the Spaghetti Bowl.



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

MEMORANDUM

May 5, 2021

TO: Darin Tedford, P.E., Deputy Director

FROM: Mark Caffaratti, P.E., Project Manager

SUBJECT: Negotiation Summary for RFP 062-21-040 I-515 Viaduct Seismic Retrofit

A negotiation meeting was held via Microsoft Teams on May 4, 2021, with Barclay Swan and Mike Leeper with 4Leaf Consulting LLC and Tim Ruguleiski, Marty Strganac, Sam Lompa, and Mark Caffaratti of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The DBE goal for this agreement has been established at THREE percent (3.0%).

This duration of this agreement will be 1 1/2 years, ending on December 31,2022.

The scope of services to be provided by the SERVICE PROVIDER was reaffirmed by both parties at the outset.

Scope of Services attached.

Key personnel dedicated to this project are as follows:

Name	Title
Barclay Swan	Principal Engineer
John Ruttman	Office Manager
Kyle Kubovchik	Public Information Officer
Raquel Floyd	CPM Scheduler

Sub-consultant information regarding Project Descriptions on active Agreements (INCLUDE AGREEMENT NUMBERS):

Sub-Consultant	Project Description	Agreement No.
Horrocks Engineers	On-Call Augmentation District I	P447-20-040
Horrocks Engineers	SBX PIO	P789-19-040
Rock Solid	Centennial Bowl 3D-Scheduling	P217-20-040

The DEPARTMENT's original estimate was \$4,539,929.41 (including direct labor (29,215 man-hours of work by the SERVICE PROVIDER)).

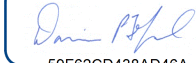
The SERVICE PROVIDER's original estimate was \$4,574,665.50, (including direct labor (28,916 man-hours of work by the SERVICE PROVIDER)).

The negotiations yielded the following:

1. The total projected man-hours allocated for this project is 28,936.
2. The total negotiated cost for this agreement is \$4,538,493.00.

Reviewed and Approved:

DocuSigned by:



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Deputy Director

Attachment A

CONSTRUCTION CREW 916 AUGMENTATION FOR PROJECT BR-515-1(045) ON THE I-515 VIADUCT IN CLARK COUNTY

SCOPE OF SERVICES

The SERVICE PROVIDER agrees to perform professional and technical engineering services to ensure that the construction of Project BR-515-1(045) I-515 Viaduct in Clark County are accomplished in conformance with the plans, specifications, and all other contract documents.

The SERVICE PROVIDER shall provide one (1) Public Information Officer (PIO)*, one (1) CPM Schedule Reviewer*, one (1) Office Manager*, three (3) Inspectors level IV, three (3) Testers, three (3) nuclear gauges, trucks, and cell phones. The SERVICE PROVIDER shall provide incidental equipment as may be required by the DEPARTMENT. (*Key Personnel).

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 (Key Personnel). 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.

All testing personnel shall meet and be certified under Nevada Alliance for Quality Transportation Construction (NAQTC) guidelines for Sampling and Density (SD), Aggregate (AG), and either Asphalt (AS) or Asphalt Extended (AE); in lieu of NAQTC certification, testers may be certified under Western Alliance for Quality Transportation Construction (WAQTC) guidelines for Aggregate, Asphalt, Embankment and Base, and In-Place Density will be accepted. Assign staff to the project to efficiently complete the scope of services (not all personnel may be required full time). 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 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 AWP software utilized by the DEPARTMENT for documenting field inspection activities.

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

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

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):

4LEAF Consulting LLC

5. Corporate/Business Entity Street Address:

Street Address: 125 E Reno Ave., Suite 3	Website: www.4leafinc.com
City, State and Zip Code: Las Vegas, NV 89119	Point of Contact Name: Michael Leeper
Telephone and Fax No. (702) 726-4140 phone (702) 726-4143 fax	Email: mleeper@4leafinc.com

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

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

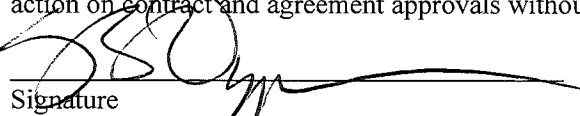
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes No

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

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

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 **Kevin Duggan**
President of 4LEAF, Inc. _____
 Title _____ Date **5/7/2021**

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

067-21-016

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: Professional Service

Originated by: Samuel Ahiamadi Division: Traffic Operations Date Originated: 1/11/2021

Division Head/District Engineer: Rod Shilling

Budget Category #: 466006 Object #: 814E Organization #: C016

Estimated Cost: \$3,000,000.00 Type of Funding: State % of Fund: 100

Funding Notes: Fiscal Year 2021 - \$1,000,000
Fiscal Year 2022 - \$2,000,000 State Fiscal Year(s): 2021-2023

IT Review:

Signature Date

Financial Management:

Kristen Greenhut 1/26/2021

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 1/26/2021

Signature Date

Director:

Kristina Swallow 1/28/2021

Signature Date

**STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION**

067-21-016

For Agreement Services Only

Attachments:

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

If Amendment, attach original Agreement here:

Any additional information to attach:

Purpose of, and Justification for, Budget Request:

Traffic Operations Division is requesting approval for the use of professional services for a study along the sections of the freeway on the I-15 and US 95 with High Occupancy Vehicle (HOV) Lanes in Las Vegas. This study will evaluate the current hours of operations and recommend reduced hours of operations if there is a benefit or otherwise. As part of the study, data will also be collected along sections of the I-15 and US 95 to measure and evaluate the lane by lane volumes and speeds. Additional information to be collected is the level of compliance on the HOV lanes which will involve a count of the number of occupants in vehicles on the HOV lanes. The study will also enable NDOT to reevaluate and calibrate/validate some sensors along the freeway. This is the first major study of the HOV lanes along I-15 after conversion from Express lanes.

Scope of Services:

The Nevada Department of Transportation (NDOT) owns and maintains the High Occupancy Vehicle (HOV) lanes on the US-95 and I-15 roadways in the Las Vegas Valley. The HOV lanes may be used by vehicles with 2 or more persons, motorcycles, buses, emergency, and law enforcement vehicles, while trucks with more than two axels are prohibited. The current HOV hours of operation are 24 hours per day, 7 days per week.

NDOT is initiating a study for the next 18 months to evaluate the current hours of operation to determine if they can be reduced to less than 24 hours per day. The HOV Hours of Operation Pilot Study (HOVHOPS) is an attempt to establish the optimum HOV hours of operation and understand any side effects (positive or negative) associated with changing the hours of operation. The primary purpose of this study is to evaluate the level of utilization of the HOV lanes and the determination of the effective hours of operations. Activities in the study will include the following: collect 24 hours lane by lane traffic volumes and speeds data, collect HOV occupancy counts at strategic HOV locations in the Las Vegas metropolitan area, analyze the incident and crash data throughout the limits of the HOV system, validate the NDOT-ATR and RTC-FAST sensor data for lane by lane traffic volumes and speeds and calibrate as needed. Determine HOV pilot hours of operations based on the field data. Implement and monitor approved HOV pilot hours of operation.



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

MEMORANDUM

May 14, 2021



TO: Jenica Keller, Assistant Director

FROM: Samuel Ahiamadi, Project Manager

SUBJECT: Negotiation Summary for RFP 067-21-016 HOV hours of Operations

A negotiation meeting was held virtually in Nevada on May 10, 2021, with Chad Anson of CA Group Inc. and Hoang Hong, Thomas Doyle-Young, and Samuel Ahiamadi of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The duration of this agreement will be for more than 2 years, ending on December 31, 2023.

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

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

The following schedule was agreed to by both parties:

Date	Major Tasks to be Completed
December 31, 2021	Initial Data Collection, Validation, and Initial Operation Hours Recommendation
June 30, 2023	Monitoring of modifications, Public Outreach and Final Operation Hours Recommendation

Key personnel dedicated to this project are as follows:

Name	Title	Estimated Number of Hours
Chad Anson	Project Manager	900
Lacey Kolkman	Concept of Operations Lead	160
Keir Opie	Data Validation Lead	40
Total Hours:		1100

Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Agreement No.
HDR	Traffic and ITS on-call	P661-18-016
HDR	RSB2	P219-20-015
HDR	I-11 NEPA	P106-19-015
StreamIT	Not Applicable	
Cambridge Systematics	Not Applicable	

The DEPARTMENT's original engineers estimate was \$3,000,000.

The SERVICE PROVIDER's original estimate was \$2,646,474, {including direct labor (3,476 man-hours of work by the SERVICE PROVIDER), overhead rate of 104.19%, a 10.00% fee, and direct expenses at \$2,079,841 (including sub-consultant expenses).}

The negotiations yielded the following:

1. The negotiations were based upon 2019 overhead rates for this agreement. Pending 2020 Paycheck Protection Program (PPP) loan forgiveness, the overhead rates may be adjusted and therefore renegotiations will be necessary to account for any monetary adjustments back to the department per the agreement.
2. There will be 3,476 total man-hours allotted throughout the course of this agreement at a direct labor cost of \$252,275 including a prorated amount for anticipated raises, which will take effect over the term of the agreement.
3. Based on the direct labor costs and an overhead rate of 104.19%, the overhead amount will be \$262,845.82
4. A fee of 10% was agreed to by both parties and will be \$51,512.13 for this agreement based upon direct labor costs and an overhead rate of 104.19%
5. There were direct expenses agreed to a total of \$2,079,841 for equipment, public outreach, additional data collection and evaluation. No other direct expenses were agreed upon.
6. The total negotiated cost for this Agreement is \$2,646,474.

Reviewed and Approved:

DocuSigned by:
Jenica Keller
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Assistant Director

Attachment A
Scope of Services

High Occupancy Vehicle Hours of Operations Pilot Study (HOVHOPS)

INTRODUCTION

The Nevada Department of Transportation (DEPARTMENT) owns and maintains the High Occupancy Vehicle (HOV) facilities on the US-95 and I-15 roadways in the Las Vegas region. The HOV lanes are reserved for vehicles with a driver and one or more passengers, motorcycles, buses, and emergency and law enforcement vehicles. Trucks are prohibited in the HOV lanes. The restrictions are enforced twenty-four (24) hours per day, seven (7) days per week. The DEPARTMENT is initiating this study to evaluate the hours of operation to determine if it will be beneficial to restrict the operations to specific hours of the day, that is less than twenty-four (24) hours per day (part-time). *The HOV Hours of Operation Pilot Study (HOVHOPS)* is an attempt to establish the optimum HOV hours of operation and determine any positive/negative outcomes associated with reducing the hours of operation.

This study will include an attempt to validate the lane by lane traffic volumes and speeds at the nearest Regional Transportation Commission – Freeway and Arterial System of Transportation (RTC-FAST) freeway sensors and DEPARTMENT Annual Traffic Record (ATR) stations within the study corridor using field data. The Service Provider will be tasked with developing a calibration/validation process for the DEPARTMENT to correlate the RTC-FAST sensor data and the DEPARTMENT ATR station traffic counts with field traffic counts and provide a detailed report on the process. The DEPARTMENT will coordinate with RTC-FAST to calibrate the data collection sensors where needed, such that the sensor-measured freeway speeds and volumes are within an acceptable percentage that will be predetermined by the Service Provider in consultation with the DEPARTMENT. This task is expected to be completed within three (3) months of the initial data collection. The Service Provider will collect another week of data following the three (3)-month calibration for validation of the initial calibration/correlation effort.

The Service Provider will be tasked with determining options and associated costs for collecting vehicle occupancy data (the number of occupants in a vehicle) for the HOV lane(s) to estimate the level of compliance in the HOV lanes during the hours of operation (assuming the hours of operation are reduced).

The Service Provider will be responsible for obtaining all occupancy permits. The Service Provider will be required to coordinate all Temporary Traffic Control (TTC) with the DEPARTMENT for prior approval. Approved TTC will be provided by the DEPARTMENT.

If the HOV lane(s) hours of operation are reduced, the Service Provider will collect traffic volumes, speeds, and HOV occupancy counts for one (1) week every three (3) months for the next eighteen (18) months. The data will be collected from the RTC-FAST freeway sensors at locations with calibrated sensors or through field data collection. The Service Provider will be responsible for the Vehicle Occupancy data collection each period.

Anticipated overall schedule is six (6) months for data validation, field data hardware installation, initial field data collection and providing any initial recommendations for modifications to HOV operating hours. It assumed an additional eighteen (18) months will utilized for monitoring with data collection and review occurring every three (3) months during the eighteen (18) month monitoring period.

PURPOSE OF THE STUDY:

The primary purpose of this study is as follows:

1. Collect twenty-four (24)-hour lane by lane traffic volumes, peak and off-peak speed checks,HOV

- occupancy, and incident and crash data at strategic HOV locations in the region.
2. Coordinate with the DEPARTMENT to validate the ATR stations and RTC-FAST sensor data for lane by lane traffic volumes and speeds.
 3. Determine HOV pilot hours of operation. If the hours of operations are to be reduced, the Service Provider will coordinate with the DEPARTMENT District I engineer to update the HOV signs to report the HOV pilot hours.
 4. Collect and analyze the twenty-four (24)-hour lane by lane traffic volumes, speeds, and HOV occupancy counts for seven (7) continuous days every three (3) months following the change in hours of operation.
 5. Perform public outreach and conduct 4 surveys to make the public aware of the HOV Pilot Study and solicit feedback.
 6. Prepare final report documenting the final recommendation for HOV hours of operation based on field data observed during the monitoring period, public outreach responses, sign and striping plan reflecting recommended HOV hours of operation, and the next steps for the DEPARTMENT to take to implement the recommended HOV hours of operation.

TASK 1.1 LITERATURE REVIEW

The Service Provider will carry out a literature review and report a summary of the findings. It will include the state of the practice, challenges, and results of the benefits of reduced hours of operations of HOV lanes. Additionally, the Service Provider will identify any precedent or potential issues with the changing of flyovers from HOV to General Purpose lanes. This will be reported as part of the initial memorandum. It is likely given the amount of information available that Peer State Interviews will be necessary for this step. It is assumed that there will be up to 5 peer reviews.

TASK 1.2 PRELIMINARY DATA COLLECTION AND DETERMINATION OF INITIAL HOV PILOT HOURS OF OPERATION

The Service Provider, in consultation with the DEPARTMENT, will determine locations for data collection as follows:

- Up to eight (8) locations (four [4] northbound, four [4] southbound) on US-95
 - One (1) location, per direction, within 1,000 feet of the DEPARTMENT ATR Station 0032220 (US-95, 0.2 miles south of Jones Boulevard)
- Up to eight (8) locations (four [4] northbound, four [4] southbound) on I-15
 - One (1) location, per direction, within 1,000 feet of DEPARTMENT ATR Station 0031210 (I-15, 0.2 miles north of the Sahara Interchange)
- The NEON Gateway
 - Northbound off ramp
 - Northbound on ramp
 - Southbound off ramp
 - Southbound on ramp
- The HOV direct connector at the Spaghetti Bowl
 - Northbound
 - Southbound
- The US-95/Elkhorn Grade Separation
 - Northbound off ramp
 - Southbound on ramp

The data collection locations should be within 1,000 feet (or distance agreeable by the DEPARTMENT) of an RTC-FAST freeway sensor for each direction.

Following the DEPARTMENT approval of the data collection locations, twenty-four (24)-hour data collection for one (1) week will commence. Data to be collected will include lane by lane traffic volumes for both the HOV and General Purpose (GP) lanes and HOV lane(s) vehicle occupancy. Lane by lane speeds for the HOV and GP lanes will be collected by the Service Provider for one (1) hour during both

the weekday evening peak period and off-peak hours, then compared against readily available data sources for speed (RTC-FAST, INRIX, NPMRDS, etc.) to determine which source has the highest degree of accuracy. The most accurate data source will then be used to determine speeds for the times not collected by the Service Provider.

The Service Provider will provide recommended HOV pilot hours of operation based on field observations for the DEPARTMENT's approval.

The Service Provider will develop a concept of operations report to define the operations of the HOV lanes. The Concept of operations will contain project background, project area, traffic characteristics, stakeholder roles and responsibilities, operational assessment, safety assessment, project constraints and assumptions, project goals and objectives, and operational scenarios and summary of impacts.

Should Task 1.2 determine that no change to the twenty-four (24)-hour HOV requirements is recommended, the Study will be considered complete, without initiating Task 2.1 or subsequent Tasks.

TASK 1.3 SENSOR DATA VALIDATION

The Service Provider will compare the collected data (lane by lane traffic volumes and lane by lane speeds) to the comparable data from the RTC-FAST freeway sensors and ATR stations, where applicable. If the collected data and RTC-FAST freeway sensor data are within five percent (5%) for lane by lane volumes and ten percent (10%) for lane by lane speeds for ninety-five (95%) of the 15-minute time intervals, then the sensor data will be considered valid.

Should the RTC-FAST freeway sensor data or the ATR station data not be within the validation parameters, the Service Provider will develop a correlation process for the DEPARTMENT, detailing the corrections required to bring the data within acceptable limits. The DEPARTMENT will coordinate with the maintaining agencies to calibrate the sensors within three-months if required.

As part of Task 2.3, the Service Provider will compare the data collected at the locations that were not initially valid, following the three-month calibration process, to ensure successful validation of the sensor data. Following the validation of the nearest RTC-FAST freeway sensors, the Service Provider will discontinue surface level volume collection, with the RTC-FAST freeway sensor being used in place of Service Provider collected data for further analysis, for both lane by lane volumes and speeds.

Assumptions:

- Comparison of volume and speed data collected data from cameras (presumed at 24 locations per scope) against FAST sensors, INRIX (as available through NDOT)
- Notes that NPMRDS data is released monthly (April 2021 data is just now becoming available) and we may need to wait until the next month to compare camera based data. Unsure of release schedule for any INRIX data, it will depend on the NDOT contact with INRIX.
- Historic analysis and validation of FAST sensor data (estimated 687 sensors per <http://bugatti.nvfast.org/Detectors.aspx>) for a full year (2019 pre-COVID conditions) and post-COVID months (which months still TBD) as follows:
 - Speed comparison vs either NPMRDS or INRIX data (if available from NDOT)
 - Count data (as available) from TRINA, ATRs, or other non-FAST based volume data sources available from NDOT or partner agencies)
 - Internal data validity checks to be completed within each sensor, and between nearby sensors (as feasible given sensor placement and roadway/ramp connections)

Task 1 Deliverables:

Deliverable A: Memorandum: Preliminary Data Collection Summary with Sensor Data Validation

process and Initial Hours of Operation Recommendation.

Deliverable B: Draft Concept of Operations

TASK 2.1 PUBLIC OUTREACH

If the DEPARTMENT decides to reduce the hours of operation of the HOV lanes from the current twenty-four (24) hours, the Service Provider shall develop a public outreach plan in coordination with the DEPARTMENT to inform the traveling public of the revised hours of operation. The initial public outreach will begin prior to the change of the hours of operations.

The Service Provider shall conduct, at a minimum, public surveys prior to the initial hours of operation change, six (6) months into the Monitoring Plan, and after the finalized change, if any, in hours of operation to solicit feedback and measure public opinion.

TASK 2.2 HOV PILOT SIGNING

If the decision is made to reduce the hours of operation of the HOV lanes, the striping will remain unchanged. However, all HOV hours of operation signing shall be modified to remove twenty-four (24) hours text and replaced with the new hours of operations. The hours of operations shall be added to the existing sign panel with a plaque, to cover the twenty-four (24) hours text. The plaque shall be approved by the DEPARTMENT Traffic Operations Division before use. If the hour changes require multiple lines of text, the HOV2+ Only twenty-four (24) hours sign shall be replaced to better accommodate the hours of operations unless otherwise directed by the DEPARTMENT Traffic Operations Division. New signs should maintain text height and font for hour restrictions. Signs shall follow the DEPARTMENT specifications for signs including type XI sheeting and no vinyl on the signface.

The Service Provider shall coordinate with the DEPARTMENT for all signing modification designs.

TASK 2.3 MONITORING PLAN

Once the revised hours of operation have gone into effect, the Service Provider will resume the data collection, outlined in Task 1.2, collecting twenty-four (24)-hour data for one (1) week at all locations for lane by lane volumes, speeds, and HOV occupancy, every three (3) months for the following eighteen (18) months.

RTC-FAST freeway sensor data will be used in place of Service Provider collected data once the RTC-FAST freeway sensors are validated, per Task 1.3.

The Service Provider will be tasked with collecting and compiling incident and crash data to determine any changes in the number, frequency, and severity of events during the revised HOV lane hours of operation, within the HOV facility footprint. This data collection will be continuous for the duration of Task 2 and not limited to the one (1) week every three (3)-month collection period. This data will be compared to the incidents and crashes from the completion of Project Neon (May 2019) to the date of the change of hours of operation in the final report.

The Service Provider will hold meetings following each data collection period to update the DEPARTMENT and the Federal Highway Administration (FHWA) on any changes to volumes, speeds, occupancy, or crashes observed during the last collection period.

The Service Provider will compile and analyze the data collected during the monitoring period and provide a recommendation for HOV hours of operation to the DEPARTMENT.

The Service Provider will adjust the Draft Concept of Operations as needed based on the monitoring period and submit the Final Concept of Operations plan.

Task 2 Deliverables:

Deliverable C: Report: Monitoring Plan Summary and Final Hours of Operation Recommendation

Deliverable D: Updated Concept of Operations

TASK 3.1 FINAL PUBLIC OUTREACH

The final public outreach will be performed following the completion of the study to make the public aware of the study's findings. If the DEPARTMENT decides to alter the hours of operation of the HOV lane(s) following the Monitoring Plan Summary Final Hours of Operation Recommendation, the Service Provider shall develop a public outreach plan in coordination with the DEPARTMENT to inform the traveling public of the finalized hours of operation. The final public outreach will begin prior to the change in the finalized hours of operations.

TASK 3.2 FINALIZED HOV PILOT SIGNING

If the DEPARTMENT decides to alter the hours of operation of the HOV lane(s) following the Monitoring Plan Summary Final Hours of Operation Recommendation, the Service Provider must coordinate with the DEPARTMENT for all signing modification designs.

TASK 4.0 PROJECT MANAGEMENT

The Service Provider shall manage/coordinate PROJECT development activities with the DEPARTMENT and other study stakeholders (RTC, FHWA, etc.).

PROGRESS REPORTS AND MONTHLY INVOICING- Provide monthly invoices in a timely manner, to include a progress report. The monthly progress reports/invoices will be submitted to the DEPARTMENT. It will be based on data received from each task lead and Service Provider and will address the following:

- Work task completed since the last invoice/ progress report;
- Progress on each work task planned and overall percentage complete for the next reporting period;
- Staff timesheets for all work completed within the invoice;
- Needs/requests between the DEPARTMENT task leads and Service Provider's staff; and
- Progress report will not exceed one (1) page.

MISCELLANEOUS DEPARTMENT COORDINATION MEETINGS - Various Department coordination meetings will be necessary as the study progresses. The Service Provider will prepare for, attend, and document ten (10) meetings throughout the study.

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC) - The Service Provider is responsible for the accuracy and completeness of any reports and related materials prepared under this agreement and, as such, shall check all materials released from the Service Provider's office accordingly. Develop and implement a quality control plan during the entire time work is being performed. The deliverables shall be reviewed by the DEPARTMENT for conformity with the DEPARTMENT's procedures, agreement terms, and in accordance with this Scope of Services. Non-compliance will be sufficient cause for rejection of the submittal. The Service Provider acknowledges that review by the DEPARTMENT does not include detailed review or checking of major components or related details for accuracy.

The QC process will ensure that all documents produced by the Service Provider are thoroughly checked by an individual of at least equal competency to the originator of the document to verify accuracy. Checking shall not only confirm the accuracy but shall include a thorough review of the proper use of manuals and documents referenced elsewhere within this document.

TASK 5.0 CONTIGENCY

Service Provider to provide additional and/or extended data collection, public outreach, and pilot program evaluation as requested and approved in writing by the Department. No additional work shall be conducted with written approval from the Department's Project Manager and will be limited to Department approved scope and cost.

DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Business Entity Type (Please select one)

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

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

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

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

5. Corporate/Business Entity Street Address:

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

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

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No


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

Yes No

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

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

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



Signature

James Caviola, PE, PTOE

Print Name

President

Title

5/10/21

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

Line Item 3

228-20-056

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

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

If Amendment, name of Company:

Project ID #(s): 74299

Type of Services: Architectural Design Services for Lovelock Maintenance Station

Originated by: Robert Nicholas Division: Maint/Asset Mgmt Date Originated: 05/11/2020

Division Head/District Engineer: Anita Bush

Budget Category #: 46606 Object #: 813C Organization #: C056

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

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$5,764,805

Funding Notes: It is estimated that 10% will be billed in FY21 with the remaining 90% billed in the following years.

Financial Management:

DocuSigned by:
Donna Spelts 05/26/2020
8A78D93AD71F444...
Signature Date

x Requires Transportation Board Approval
Does not require Transportation Board Approval

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

Project Accounting:

DocuSigned by:
Kathleen Meke 05/26/2020
9E9E10973C1B46F...
Signature Date

Director:

DocuSigned by:
Kristina L. Swallow 05/26/2020
C4B612FC2C1E4EB...
Signature Date

228-20-056

Attachments:

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



If Amendment, attach original Agreement here:

Any additional information to attach: Yes



Purpose of, and Justification for, Budget Request:

The facility would replace the existing, outdated NDOT Maintenance Station located in Lovelock. When the existing Maintenance Station was constructed in 1958 it was on the edge of town. The area has developed to the point that the Station is now located in the middle of a residential area with no room for expansion. . The site constraints require that the sand-salt mixture be stored off site at a separate location. The separate location requires trucks to leave the main yard and travel to the second yard to load, significantly decreasing efficiency and NDOT's ability to respond in a timely manner. The new facility will consolidate material, equipment and personnel in one location and resolve current constraints while enhancing the effectiveness of the station.

Scope of Services:

The scope of services includes, but is not limited to, providing full architectural and engineering services for the new Lovelock Maintenance Station. The requested A/E services for site development include: surface grading, drainage, driveway access and parking for approximately 5 acres of the 25-acre site. Utility connections (water, gas, electric and telephone), site fire protection, septic and underground infiltration systems would also be provided. The requested A/E services would provide the following building construction elements: eight-bay maintenance, storage and administration facility, fueling facility, sand and salt storage facility, spreader rack storage, covered vehicle storage, loading docks, radio tower, and construction trailer pads.



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

MEMORANDUM

May 11, 2021

TO: Jenica Keller, Assistant Director, Operations

FROM: Robert Nicholas, Project Manager II, Architecture DS
RN

SUBJECT: Negotiation Summary information for RFP 228-20-056, Architectural Services for the Construction of the New Lovelock Maintenance Station

A negotiation meeting was held by phone, and electronic emails exchanged during the month of April, 2021, with Pat Pusich of TSK Architects (SERVICE PROVIDER) and Robert Nicholas of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The SBE goal for this agreement has been established at four-point-five percent (4.5%).

The duration of this agreement will be for approximately 4 years, ending on December 31, 2025.

The budgeted amount of this Agreement is comprised of one hundred percent (100%) State Funding.

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

See Attachment A – Scope of Services.

Key personnel dedicated to this project are as follows:

Name	Title	Estimated Number of Hours
Pat Pusich	Principal	752
Total Hours:		752

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

The negotiations yielded the following:

1. The total negotiated cost for this Agreement is \$2,665,174.00.
2. The SERVICE PROVIDER agreed to accomplish the Scope of Services supplied in Proposal 228-20-056. Payment will be made for each unit of work based on the cost shown on the Basic Services Fee Schedule Breakdown in the Scope of Services.

Reviewed and Approved:

DocuSigned by:
DS
RN
Jenica Keller _____ 05/13/2021
D4A818F26D8B447...
 Jenica Keller, Assistant Director, Operations



Attachment A1.1 - TSK's Scope of Services

225 South Arlington Avenue, Suite A, Reno, Nevada 89501

10 May 2021 Revised

Robert Nicholas, PE, PMP
Architecture Section
1301 Old Hot Springs Road #106
Carson, City, NV 89706
Office: 775-888-7951
Cell: 775-430-3717 / Email RNichcolas@dot.nv.gov

**RE: NDOT Lovelock Maintenance Station - AE Fee Proposal
228-20-056**

Dear Robert,

Thank you and the entire Nevada Department of Transportation Architecture Section for selecting TSK Architects and Consulting Team to provide Design, Documentation, Permitting, Bidding, and Construction Administration services for the proposed NDOT Lovelock Maintenance Station, located in Lovelock, Nevada.

Project Description

We understand the proposed project will include the design and construction of approximately 13,000 s.f. of structure in a collection of buildings including a four-bay maintenance and administration facility, four-bay cold storage facility, a fueling facility, a combined sand and salt storage facility, a sand and salt mixing area, a covered vehicle storage facility, spreader rack storage, construction trailer pads, loading docks, radio tower, emergency power, site security such as fence lighting, access and brine tanks on an approximate 218,000 square foot area within the 20-acre site. We further understand that the site is rural and will be serviced by an on-site sewage disposal system (OSDS). Any scope on this or other Consultant Fee Proposals will be in addition to the initial NDOT scope "Attachment A-Scope of Services". If there are two similar tasks, the more involved task takes president.

We also appreciate the opportunity to be a part of the Project Team as the project moves into this next project stage. The disciplines included in this proposal consist of the same primary engineers who were on the project proposal with the addition of Lumos & Associates, who will provide design documents for the fueling station component. Please advise if you have any questions at this time.

Again, we appreciate the opportunity to present our proposal and we look forward to working with you and the NDOT Architecture Team on the Lovelock Maintenance Facility.

Please feel free to call me if you have any questions and we can discuss this further.

Sincerely,

Pat Pusich, AIA / TSK Architects

Primary NDOT Lovelock Maintenance Station AE Project Team:

Architect:	TSK Architects
Geotechnical Engineer	GES
Well Infrastructure Engineer:	Shaw Engineering
Civil Engineer:	Odyssey Engineering, Inc. (OE)
Landscape Architect:	LAGE Design
Structural Engineer:	McElhaney Structural Engineers (MSE)
Mechanical Engineer:	CR Engineering (CRE)
(Fire Protection Engineer)	(JP Engineering as a Sub consultant to CRE)
Electrical Engineer:	PK Electrical (PKE)
Fueling Systems Designer:	Lumos & Associates (Lumos)
Cost Estimator:	O'Conner Construction Management, Inc. (OCMI)

Exclusions:

- Construction Staking
- Traffic Consultant
- Asbestos Consultant
- Commissioning Agent
- Permits and Agency Fees

We understand the following baseline project criteria

Architectural and Engineering Services for site development and new construction: Site development – Demolition, surface grading, drainage, driveway access and paving for approximately 218,000 s.f. of development on the 20-acre site. Utility connections, (electric and communications), on-site well, site fire protection, septic and underground infiltration systems could also be provided.

New construction includes:

1. Four-Bay Maintenance and Administration Facility
2. Fueling Facility
3. Sand and Salt Storage Facility
4. Sand and Salt Mixing Area
5. Four-Bay Vehicle Storage Facility
6. Spreader Rack Storage
7. Covered Vehicle Storage for Seven Vehicles
8. Loading Docks
9. Radio Tower
10. Construction Trailer Pads
11. Brine Tanks
12. Well, Storage Tanks, and support pads
13. Secure Vehicle Gates

Project Phases:

TSK and the Engineering Team (A/E) understand from the direction of NDOT Project Manager that the project will be delivered as a single bid and single construction phase contract.

1. **Schematic Design:** Confirm Program and Concept Documents reflect program requirements. Spatial relationships are confirmed, site restraints or opportunities identified. Building forms are refined to establish building heights, shape, natural lighting and day lighting strategies. Coordinate with the NDOT Project Manager for best project and documentation approach.

The Site Survey, Geotechnical, and Well Design Tasks will occur in this phase of the project.

Deliverables: Four (4) Sets of Schematic Design Drawings and PDF Files to NDOT.

2. **Design Development:** Building organization is finalized including architectural relationships and necessary building systems are identified. Electrical/MDF/IDF and Mechanical/Fire Riser Rooms are sized and located. Civil grading shows retention wall strategies and drainage around the building and parking lots. Coordinate with the Contractor for best project systems, and documentation approach.

Deliverables: Four (4) Printed Sets of Design Development Drawings & Specifications, one set of PDF Files, and one set of AutoCAD format drawings are to be provided at the completion of this phase to NDOT.

3. **Construction Drawings:** All items necessary for construction of the building are identified including building sections, wall sections, details, schedules, etc... Architecture of the building incorporates the required building systems (MPE). All structural details are defined. Project is submitted for necessary building permits and Architectural/Engineering Team responds to building official questions. Interior Design shows the pallet for wall, floor, and ceiling finishes are established. Coordinate with the Contractor for best project and systems documentation approach.

Deliverables: Four (4) Printed Sets of Design Development Drawings & Specifications, one set of PDF Files, and one set of AutoCAD format drawings are to be provided at the completion of this phase to NDOT.

4. **Permitting & Bidding:** A/E Team assists with Contractor/Bidder's questions, review bids, and make recommendations to Owner. Submit Plans to Regulatory Agencies and respond to agency review questions to obtain timely permits for the project. Multiple permit and bid packages are understood to be a part of this project. AE team anticipates up to two (2) separate permit and bid packages.

Deliverables Permitting: (Four) 4 Sets Stamped/Signed Drawings and Specifications will be provided to the Regulatory Agencies and one set of PDF drawings / specifications and one set of AutoCAD format drawings are to be provided to NDOT.

Deliverables Bidding: PDF files of Drawings and Specifications to be provided to NDOT.

5. **Construction/Conformance Drawing Issue:** A/E team includes all directives during the permitting process as well as the Construction bidding phase into a conformed set of drawings and specifications. These documents will be the basis of the constructed building.

Deliverables: One (1) Set of PDF Files, Drawings and Specifications, to NDOT.

6. **Construction Administration:** Includes representation by the Architect at regularly scheduled Owner/Architect/Contractor Coordination meetings during the construction phase. Includes

response to Contractor inquires (RFI's), Submittals, and review/approval of payment applications. Also includes updating architectural drawings to reflect the construction changes noted in the General Contractors "as-built" drawings.

Deliverables: A/E Team will provide one (1) set of black line record drawings, PDF files, and one set of AutoCAD format drawing files.

7. **Project Construction Closeout:** A/E team to review the project for completion and conformance to the construction documents. A/E team to list items for correction and track through to completion. Architect to issue Notice of Substantial Completion when facility is acceptable to occupy. A/E team to provide Record Drawing based on Contractor's field mark-ups. A/E team to review Operations/Warranties, etc. for conformance with Project Documents.

Deliverables: Items to Complete List and Substantial Completion Documentation.

8. **Post Occupancy Analysis:** In conjunction with the projects ownership, the A/E Team will review the facility prior to the one-year warranty period and make recommendations on the building performance and contractor corrections.

Deliverables: Warranty Items to Complete List and List of Recommendations for modifications if so requested by the Nevada Department of Transportation.

Scope of Work - TSK Architects

Phases:

1. **Schematic Design:** The programming information and concept site plan layout performed by prior A/E firms will be reviewed with NDOT to determine applicability and if changes are needed. TSK to provide updates to the expectations of NDOT. Upon acceptance of the programming documents, TSK to proceed into Schematic Design. In this phase, floor plans for each of the buildings are provided to match the program size and components. Three (3) Floor Plan and Three (3) Site Plan options with various modifications are presented to NDOT for discussion, with one plan ultimately selected at the completion of Schematic Design. Building forms are initially refined to establish building heights, natural lighting and day lighting strategies, mechanical requirements defined as well as other MPE systems reviewed in detail to determine how they affect the building plan and sections. Review SD package with Independent Cost Estimator and NDOT for Budget Conformance.
2. **Design Development:** Building and Site organization is finalized including architectural relationships and vehicle/pedestrian site movements. The necessary building systems are worked into the building footprints and their impact determined. Building MPE Systems are identified and their impact on the building noted. MPE equipment noted if ground mounted or if located on top of building and its impact on plan and structure accommodated for. Civil grading shows drainage around the buildings, structures, parking lots and site access points.

Review DD package with Engineers and NDOT. Make modifications as needed to meet project scope and budget.

3. **Construction Drawings:** All items necessary for construction of the building are identified including, building sections, wall sections, details, schedules, etc... Architecture of the buildings incorporates the required building systems (MPE). All structural details are defined. Exterior details are provided for finish material transitions. Interior details including casework, complex floor/wall/ceiling and roofing details are developed. Interior Design shows the pallet for wall, floor, and ceiling finishes is established. Review CD package with Engineers and NDOT. Make modifications as needed to meet project scope and budget.

4. Permitting: AE Team submits project for permitting including energy conformance calculations and structural calculations. Team responds timely to Agencies Having Jurisdiction questions.
5. Bidding: AE Team assist the NDOT Project Manager with providing bid packages as needed and respond to bidder's questions, review subcontractor bids, and make recommendations to the NDOT.
6. Construction Administration: Includes representation by the Architect at regularly scheduled Owner/Architect/Contractor (OSC) progress coordination meetings during the construction phase. Includes response to Contractor inquires (RFI's), Submittals, and review of payment applications as requested. Provide list of open work items to be remedied for conformance to Contract Documents. Also includes updating architectural drawings to reflect the construction changes noted in the General Contractor's "as-built" drawings. A/E Team will provide one (1) set of black line record drawings and one (1) set of AutoCAD Files.
7. Post Occupancy Analysis: In conjunction with the projects ownership, the A/E Team will review the facility prior to the one-year warranty period and make recommendations on the building performance and contractor corrections.

Civil Engineering Scope of Work
Odyssey Engineering, Inc. Proposal dated 4/8/2021

Odyssey Engineering Incorporated (OE) is pleased to submit this proposal to provide survey and civil engineering services for the development of a new Nevada Department of Transportation Maintenance Facility in Lovelock Nevada. OE understanding is that this is intended to be approximately 5.0 acres of site development of an existing 25 acre Parcel.

This project includes new access onto existing Prison Road south of Coal Canyon Road. This includes a vehicle maintenance and administration facility, a fueling facility that Lumos Engineering will design, combined sand/salt storage facility, sand and salt mixing area, spreader rack storage, covered vehicle storage for three vehicles, security fencing, and vacuum truck waste disposal basin. OE also understands that the facility will be served by a well and storage tanks that Shaw Engineering will design, and that the geotech and septic design will be prepared by GES consulting.

OE will be responsible for design of all site grading, parking and asphalt surface improvements, drainage and mixing areas and help with coordination with the architect, water system, septic system and fueling station designers. OE to provide AutoTURN analysis for up to six (6) vehicle types.

OE will be responsible for design of all site grading, parking and asphalt surface improvements, drainage and mixing areas and help with coordination with the architect, water system, septic system and fueling station designers.

OE understand that other team design consultants will be responsible for the building electrical and communication and that the landscape architect, if necessary, will contract directly through your office.

Based on project understanding, OE work scope proposed:

TOPOGRAPHIC SURVEY

Perform a topographic survey which will consist of the following:

1. Survey existing improvements along Prison Road beginning at the intersection of Coal Canyon Road to extend westerly approximately 5,500 feet.
2. Survey existing conditions of the 25 acre site referred to as Parcel Number 023.380 as shown on the State of Nevada Department of Transportation sketch map dated June 2007.
3. Survey will include existing ground conditions that include grade breaks, tops, toes, slopes, trees,

fences, observable utilities, any existing structures and any other observable features that would be needed for the future design.

4. OE will provide an aerial for use during design from the drone flight.
5. This includes trips and lodging.

PROPERTY SURVEY / BASE MAP

Odyssey Engineering will conduct a property survey for Assessor's Parcel Number 007- 630-03 that will include the following:

1. Search for existing property corners based on Deed Document 359963, recorded April 24, 2008 of the Official Records of Pershing County, Nevada.
2. Prepare property survey map showing the results of the field survey and any existing easements, as specified in a current title report (to be provided).
3. Provide Parcel Boundary Survey Per NDOT Scope of Services Attachment A, Paragraph 4. b. v.

SCHEMATIC DESIGN

1. Will attend design meetings with you and the design team to determine the project parameters and site layout.
2. Will provide preliminary site, grading, drainage and utility plans for the project. These plans will be used for owners review and input.

DESIGN DEVELOPMENT SERVICES

1. Will attend design meetings with you and the design team to coordinate the design development.
2. Preliminary Hydrology & Site Drainage Analysis based on 100 year event.
3. Will modify the preliminary site, grading, drainage, and utility plans for the project to incorporate comments and requirements generated by owner review.
4. Will provide 80% complete plans for the civil site improvements.
5. Will provide preliminary technical specifications for the site work improvements.

CONSTRUCTION DOCUMENTS SERVICES:

1. Will attend design meetings with you and the design team to coordinate the construction document preparation.
2. Will modify the design development site, grading, drainage and utility plans for the project to incorporate comments and requirements generated by owner design development review.
3. Will provide 100% complete plans for the civil site improvements.
4. Will provide technical specifications for the site work improvements.
5. Will prepare the final hydrology report.
6. The responsible registered professional engineer will seal construction documents submitted for plan check.
7. Will provide written responses to plan check comments developed by reviewing within 14 days of receipt of comments.

CONSTRUCTION ADMINISTRATION SERVICES:

1. Will attend the pre-construction conference and periodic construction meetings during the project construction.
2. Will provide plan interpretation and clarifications as required during the project construction.
3. Will review shop drawings and submittals for the site work improvements.
4. Will make periodic inspection visits to the site and will be available if field problems arise.
5. Will provide coordination if plan revisions are required during construction.
6. Will perform a final site inspection at the completion of the project.
7. Will provide record drawings in electronic and hard copy format as required by the owner.

NV ENERGY ELECTRIC SERVICE:

DC Engineering to provide NV Energy electric drawings and help coordinate with NV Energy to provide utilities to the proposed new facility.

The following work tasks and costs are not included in Odyssey Engineering proposed scope of services.

- a. Construction Staking
- b. Soils and Geotechnical analysis or inspection services
- c. Septic Design
- d. Landscape and Irrigation design services
- e. Structural Engineering services
- f. Any required agency submittal or review fees
- g. Water System Tank and Well Design
- h. Environmental engineering services
- i. Cost for location or excavation to determine location of existing underground utilities
- j. Traffic Engineering Studies

Geotechnical Engineering Scope of Work
Geotechnical & Environmental Services, Inc. (GES) Proposal dated 5/5/2021

Geotechnical & Environmental Services, Inc. (GES) to provide geotechnical evaluations, a hydrogeological evaluation, environmental support, design support, bidding support, and site observations during construction for the Lovelock Maintenance Facility located within Assessor Parcel Number 007-63-003 in Lovelock, Pershing County, Nevada

Services provided will be billed monthly on a percent completion basis for Task 1 through Task 9. If the scope of services is changed or if the description of the project varies from what is presented herein, including the type, location, and size of improvements, the fees presented will be subject to renegotiation.

Project Description

GES understands that the proposed project will include the design and construction of a four-bay maintenance and administration facility, four-bay cold storage facility, a fueling facility, a combined sand and salt storage facility, a sand and salt mixing area, a covered vehicle storage facility, spreader rack storage, construction trailer pads, loading docks, radio tower, emergency power, site security such as fencing lighting and access and brine tanks on an approximately 218,000 square foot area within the 20-acre site. We further understand that the site is rural and will be serviced by an on-site sewage disposal system (OSDS).

It is NDOT's intention to use this project to develop an NDOT Maintenance Station Design Guide to serve as a template for the programming, renovation and construction of future maintenance stations.

Scope of Services

GES proposed scope of services is divided into nine tasks as on the following pages. Descriptions of these tasks are as follows:

Task 1: Geotechnical Evaluation and Percolation Testing

GES will perform a geotechnical evaluation at the site including exploratory borings and soil sampling, laboratory testing, engineering analysis and geotechnical recommendations for design and construction of proposed project improvements.

- 1.1. Using Underground Service Alert (USA) North, GES will obtain underground utility clearance for public utilities at the project site prior to drilling the borings. On-site private utility locations will need to be provided by a representative of the owner. The on-site utilities are the responsibility of the owner. GES will make reasonable efforts to locate the borings to avoid existing utilities. Owner should provide a utility site map if available. Also, for an additional fee GES could excavate each boring location to a depth of five feet using hand auger or air knife techniques prior to drilling.
- 1.2. In accordance with municipal requirements, GES, through a subcontracted licensed

drifter, will drill 8 exploratory borings at the site extending to depths of approximately 20-feet, or practical auger refusal, below the existing ground surface. The total drilled footage will be up to 160 feet. It is anticipated that the site will be accessible to a truck-mounted drill rig.

- 1.3. Two test pits or borings will be excavated to a minimum depth of 5-feet on the site to conduct percolation testing of the on-site soils. The percolation testing results will be utilized in the design of the site's OSDS. The location and the total depth of the potholes will be dictated by the proposed location of the OSDS.
- 1.4. The soils encountered in the explorations will be classified and recorded by a qualified GES representative in general accordance with ASTM D2488.
- 1.5. The exploration locations will be recorded using latitude and longitude determined with a handheld GPS unit.
- 1.6. Soil samples from the borings will be obtained at depths of about 5 feet below the existing surface grade, and at about 5-foot vertical intervals thereafter, in general accordance with ASTM D3550 by driving a 3-inch outside diameter ring-lined split-barrel sampler with a 140-pound automatic hammer falling 30 inches. Standard Penetration Tests (SPTs) might also be performed at similar depths in place of a ring-lined split-barrel sampler dependent upon subsurface conditions encountered. SPTs will be performed by driving a 2-inch outside diameter split-barrel sampler with a 140-pound automatic hammer falling 30 inches in general accordance with ASTM D1586. The number of blows required to advance the sampler will be counted and recorded in order to give an indication of soil consistency. Bulk soil samples will be obtained from soil cuttings at selected intervals of representative earth materials in each boring and placed in plastic bags and transported to GES laboratory.
- 1.7. Bulk samples will be collected from various sampling depths in the explorations. In accordance with Nevada Administrative Code Chapter 444.796 (NAC 444.796), two percolation tests will be performed for the anticipated septic system within the excavated test pits. Percolation testing field data collection will be performed in the field by a qualified representative of GES.
- 1.8. It is anticipated that groundwater will not be encountered within the boring depths during the geotechnical evaluation, however, Task 2 of this proposal will include an evaluation of on-site hydrogeologic conditions.
- 1.9. The boreholes will be abandoned by backfilling with soil cuttings to the ground surface and bentonite chips where groundwater is encountered.
- 1.10. One refraction microtremor (Re-Mi) seismic shear wave test will be performed on the site to evaluate seismic site class at the site.
- 1.11. Geotechnical laboratory tests will be performed on representative soil samples obtained from the borings to evaluate certain physical and engineering parameters. Laboratory tests may include the following; dependent of subsurface conditions encountered.
 - A. In-place dry density and moisture content
 - B. Grain size distribution
 - C. Atterberg limits
 - D. Swell/collapse potential
 - E. Direct Shear
 - F. Consolidation
 - G. Expansion Index
 - H. R-value
 1. Total available sodium sulfate, solubility, and chloride content

- 1.12. GES geotechnical recommendations will be based on the 2018 IBC. GES will present three hardcopies and one electronic copy of the geotechnical report to include findings, conclusions, and design and construction recommendations. The report will present the following:
 - A. A site description
 - B. A plan showing the location of the explorations
 - C. Boring/test pit logs presenting the subsurface conditions encountered at the exploration locations, including soil classification, groundwater levels, penetration resistance, in-place moisture content, in- place dry density, swell potential, Atterberg Limits and drilling rates where strongly cemented soil is encountered
 - D. A summary of laboratory test data
 - E. A summary of Soil Percolation Rates
 - E. Geological background and hazards review based on a review of available maps and literature
 - F. In addition to the above items, the geotechnical report will include earthwork recommendations and design parameters to include the following:
 - G. Seismic site class
 - H. Subgrade preparation
 1. Subgrade remediation
 - J. Trench backfill, including suitable backfill materials and placement recommendations
 - K. Evaluation of existing materials encountered within the explorations for use as structural fill and/or trench backfill
 - L. Excavatability considerations
 - M. Allowable bearing capacities for structures supported on shallow conventional or post-tensioned foundations
 - N. Soil subgrade stabilization
 - O. Minimum foundation depths and widths for deep foundations
 - P. Estimated total and differential settlements of structures supported on deep foundations
 - Q. Coefficient of friction for the design of foundations
 - R. Aggregate base course recommendations for slabs-on-grade
 - S. Preliminary Asphalt on-site pavement sections and limited off-site pavement sections
 - T. Concrete mix design criteria for sulfate exposure in accordance with Table 19.3.2.1 of ACI 318-14, and minimum concrete cover for chloride exposure for post-tensioned slab foundations.
 - U. Static and seismically induced lateral earth pressures for unrestrained cantilevered retaining walls.

The geotechnical report will be presented within about 25 business days following the subsurface exploration program. Upon request, preliminary design parameters may be presented during the course of the study.

Task 2: Onsite Sewage Disposal System (OSDS) Design

GES will develop an OSDS, sometimes referred to as a septic system, design for the site. At this time, the exact location and the number of individuals the OSDS will service has not been determined, however, GES assumes that by the time design proceeds this information will be available. GES scope for this task includes only the Drawings, Narratives, Operation and Maintenance Guides, Permitting, and Bid Analysis relevant to the septic tank and leach field design and excludes design or related items for the wastewater/effluent tank evaporator, the trench drains, and the associated sand oil interceptors.

GES design will be developed in general accordance with Nevada Administrative Code (NAC) 445A.950 through 445A.9706, requirements of the Pershing County Planning and Building Department, and the NDEP's Guidance Manual for On Site Sewage Disposal Systems for Commercial Applications (dated May 2017). In general, the OSDS schematic design will include the following information:

1. Plan drawn to scale including lot sizes with dimensions of property lines

2. Locations of wells, septic systems, and other potential sources of pollution on adjacent properties (if applicable).
3. Distance within 500' to any watercourse indicated, including ponds, lagoons, streams, creeks, rivers, etc. (if applicable).
4. Soil profile and percolation test hole locations
5. Location of each actual or proposed well or drinking water source with protective radius indicated
6. OSDS location with separations clearly indicated.
7. Distance to city or community sewer (if applicable)
8. Calculation used by the engineer to determine capacity of OSDS.
9. Capacity of septic tank or treatment device.
10. Slope across the absorption system area.
11. Depth, length, width and spacing of the absorption trenches, beds, etc.
12. Location of water supply lines, building sewer lines and underground utilities (if applicable).
13. Location of structures, paved areas, driveways, trees, pools, etc.
14. Location of the reserve absorption area.
15. Soil characteristics, depth to water table and bedrock, percolation test results, and soil descriptions.
16. Specifications for materials to be used such as fill, force main piping, pump model & manufacturer, and tank dimensions.
17. Invert elevations at inlet and outlet of septic/treatment tank, inlets, and outlets at distribution boxes and at all leach fields.
18. Details of treatment tank, pumping chambers, effluent distribution, and absorption areas.

The OSDS design will be presented within about 40 business days following the subsurface exploration program. Upon request, preliminary design parameters may be presented during the course of the study. GES will submit the OSDS design to NDEP for review and approval and will address comments from NDEP as needed. Permit application fees are not included in the GES fee estimate and it is assumed that these fees will either be paid by the owner or submitted by GES as additional reimbursable expenses.

Task 3: Schematic Design — Hydrogeologic Evaluation

GES will perform a hydrogeologic evaluation including subsurface explorations and soil sampling, laboratory testing, engineering analysis, groundwater modeling, and recommendations for design and construction of proposed project improvements.

- 3.1. GES will subcontract with a well drifter to drill one exploratory boring with a depth of up to 500 feet below existing grade. Based on GES research in the area, GES anticipates that groundwater will be encountered at approximately 450- feet bgs, however, if groundwater has not been encountered by 450 feet bgs, the boring may need to be extended deeper. In order to conduct the necessary aquifer testing, the well should be installed to a minimum depth of 50 feet below the top of the aquifer. It is anticipated that the boring will be drilled using either mud rotary or reverse circulation drilling methods.
- 3.2. The boring will be converted into a testing well. The testing wells will be completed utilizing the following methodology: Installation of 120-feet of 4-inch diameter machine slotted PVC casing, Installation of 4-inch diameter threaded flush joint riser pipe to surface, addition of sand pack in the annular space from the bottom of the boring to at least 2 feet above the well screen, a bentonite/ grout seal above the sand pack to ground surface, and a truck traffic rated flush mount well box encased in concrete.
- 3.3. Prior to installation of the monitoring well the owner must complete one Affidavit of Intent to Abandon a Monitoring Well per well. This form must be signed and notarized by a representative of the owner. The completed Affidavits will be submitted by GES to the Nevada Division of Water Resources with applicable waivers and fees prior to performing drilling and well installations. Please note that GES scope of services does include abandonment of the installed monitoring well after testing is completed.

- 3.4. Well development will be performed to provide more representative samples and more accurate analysis of physical properties of the surrounding aquifer. Well development involves stressing the formation so that a graded filter pack is created around the screen and particulate matter and fluids remaining from well drilling and construction are removed. In general, wells will be developed at the site using a combination of bailing, surging techniques and pumping/overpumping techniques. Development generally begins with bailing the well in order to remove as much accumulated sediment as possible. Following the bailing, the well will be surged by using a surge block to pull and push water into and out of the wells screened interval. This process can destroy bridging and generally helps condition the filter pack, making it more effective at filtering out fine grain sediment. In addition, the well will be pumped/over-pumped using a submersible flow-controlled pump. Development pumping is performed by begin pumping at the top of the screen with low pumping rates and incrementally lowering the pump down the well screen. The process is then repeated in reverse, from the bottom of the well to the top. This process is repeated several times, along with gradually increasing the pumping rate, and is considered complete when the effluent water runs clear and certain stabilization parameters have been met. Water produced during the well development will be pumped to the CCDOA owned Storm Sewer Catch Basin structure(s).
- 3.5. The soils encountered in the borings will be classified and recorded by a qualified GES field professional in general accordance with ASTM D2488. When applicable, samples soil or rock chip samples will be collected from the boring to analyze for reactivity and to aid in design of the well filter pack.
- 3.6. The boring locations will be recorded in the field using a handheld GPS unit.
- 3.7. Soil cuttings produced during the drilling operations will be spread at the site.
- 3.8. An E-log will be collected from the hole to be utilized in design of the gravel pack.
- 3.9. The temperature of the water at discrete intervals will be measured using a water level meter with a temperature probe. Temperatures will be depicted on the monitoring well logs.
- 3.10. GES will obtain a groundwater sample from the testing well to estimate water quality at the site. The samples will be stored in a cooler on ice and transported to an accredited laboratory for analytical testing. The samples will be tested for constituents noted in EPA's safe drinking water act.
- 3.11. GES will perform an aquifer yield test on the installed well. At this time GES anticipates that an 8 hour constant rate pump test will provide sufficient data to determine the aquifer yield. The test will be conducted by pumping water out of the well at a constant rate for a period of at least 18-hours, during this time, the change in water level will be measured in the well utilizing a pressure transducer, back checked with measurements using a handheld water level meter.
- 3.12. This well will be abandoned in accordance with NDWR regulations once the aquifer testing is complete.
- 3.13. Data from the aquifer tests will be analyzed using AquiferTest Pro software. AquiferTest Pro will be used to evaluate aquifer specific characteristics such as hydraulic conductivity and transmissivity.
- 3.14. A limited groundwater flow model will be developed using Visual MODFLOW to estimate the yield of the well, and to determine the zone of influence which will be created by the well.
- 3.15. GES will develop permit cost estimates and an approximate timeline for installation of a potential water well. The Permit cost and schedule will be developed assuming that

permitting of the water well will occur through the Nevada Division of Environmental Protection (NDEP) and the Nevada Division of Water Resources (NDWR)

- 3.16. GES will present one draft electronic copy of the Hydrogeologic Technical Memorandum to include findings, conclusions, a summary of test results, aquifer modeling results, and estimated dewatering discharge rates. This task is meant to provide a conceptual design for the dewatering system but does not include final design of that system. The report will provide information required for a civil design firm to design a final dewatering system. The report will present the following:
- A. A site description
 - B. A plan showing the location of the borings and monitoring wells.
 - C. Boring/Monitoring logs presenting the subsurface conditions encountered at the boring locations, including soil classification, and groundwater levels.
 - D. A summary of laboratory test data
 - E. A summary of aquifer test data
 - F. A conceptual well design including recommended depth, pump rates, and filter pack gradation.

The draft Hydrogeologic Technical Memorandum will be presented within about 25 business days following the subsurface exploration program. A final report will be presented approximately two weeks after review comments are received.

Task 4: Schematic Design — Storm water Discharge Consultation

GES will review the Nevada Division of Environmental Protections General Permit for Stormwater Discharges from Small Municipal Storm Sewer Systems (MS4s) and provide consultation on the requirements of the permit as applicable to the project site. GES will develop a critical path describing the steps required for permitting stormwater run-off and associated permitting costs. Preparation and submittal of any permit applications is not included by GES in this scope of work.

Task 5: Engineer's Cost Estimate Consultations

GES will assist the client in development of an Engineer's Opinion of Probable Costs for those items related to GES' professional expertise. At this time, we assume that GES will be involved in developing or review cost items related to General Requirements, Existing Conditions, Concrete, Earthwork, Exterior Utilities, Utilities, Transportation, OSDS. In General, GES will review and respond with redline comments to the Engineer's Opinion of Probable Costs provided by the client within 15 business days of receipt.

Task 6: Project Meetings

GES will attend and participate in projects meetings as requested by the client. At this time, we assume that GES may attend up to six project coordination meetings. Based on GES understanding of the project, we anticipate that three meetings will be held in person, and three meetings will be held virtually.

Task 7: Development & Review of Applicable Specification Sections

GES will assist the client in development of Project Specifications adhering to the Master List of Numbers and Titles for the Construction Industry by reviewing, consulting, and collaborating on those Specification items related to GES' professional expertise. We assume that GES consultation on specification sections will be conducted on the following divisions: 02 Existing Conditions, 03 Concrete, 31 Earthwork, 32 Exterior Improvements, 33 Utilities, and those related to the OSDS. In General, GES will review and respond with redline comments to Specification Divisions provided by the client within 15 business days of their receipt.

Task 8: Construction — Bidding Support Services and Review Contractor RFI's

GES will provide support services during bid phase and construction of the project including the following items. GES services for this task will be provided until the permit for construction is obtained. GES incurred fees for this task will be billed monthly as a percentage of completion.

- A. Assist with response to bid period questions related to geotechnical, groundwater or OSDS scope items
- B. Attend the pre-bid conference
- C. Other coordination as requested by TSK
- D. Review of Construction Submittals related to geotechnical, groundwater or OSDS scope items
- E. Assistance with clarification of plans and specifications
- F. Assist with review of change orders related to geotechnical, groundwater or OSDS scope items
- G. Review of RFIs or other contractor-generated documents related to geotechnical, groundwater or OSDS scope items
- H. Other coordination as requested by TSK

Task 9: Construction - Site Observations During Construction

GES will conduct up to four site visits to observe and document construction of the proposed maintenance facility. The site visits will be conducted by a Professional Engineer, or, a qualified staff member operating under responsible supervision of a Professional Engineer. Site visits will be documented on GES standard field observation forms which will be provided to the client within 1 week of completion of the site visit. If any issues are noted during the visits, the client will be contacted and notified immediately by a phone call followed by a detailed email. GES incurred fees for this task will be billed monthly as a percentage of completion.

Task 10: Oversight of Installing Water Well

NDOT will contract a water well drifter to install a drinking water well at the site. A GES representative will be on-site during the well installation to log the cuttings and document the installation. In general, GES will evaluate the cuttings from the well to verify that the lithology observed during installation of the test well, and the gravel pack gradation utilized for the filter pack are consistent with those observed in the test well scoped as part of task 3. In addition, a high yield pump test will be performed in the drinking water well to verify the estimated aquifer yield determined during task 3 of this proposal. We assume that well installation oversight will occur over a period of two weeks. GES services and the well completion as-built conditions will be documented in a letter report which will be presented to the client approximately 10 business days after completion of the well.

Additional Construction Materials and Inspections Services

In addition to GES Environmental and Geotechnical capabilities, GES provides full-service construction materials and inspections services. It is also GES's understanding that NDOT typically contracts for these services directly. Upon completion of the Geotechnical evaluation and review of the grading and building plans and construction schedule, and upon request, GES can present a proposal for construction materials testing and inspections for the subject project.

Exclusions and Additional Services

GES services exclude any tasks not specifically outlined in this proposal including, but not necessarily limited to, the following: update of previous geotechnical documents; evaluation of factors affecting groundwater fluctuations; a detailed groundwater or liquefaction studies; rippability and excavability study; post-report evaluations; remediation activities; preparation of construction plans (except for OSDS design) and technical review for compliance; environmental assessments of groundwater and soils; evaluation of existing fill soils; certification of site soils or grading; fees for encroachment permits; submittal of documents in conjunction with permit application submission to public agencies; plan reviews; construction materials testing and inspection services; meetings; and surveying, asbestos-containing material evaluation; lead-based paint evaluation; radon gas evaluation; wetland evaluation; flood zone evaluation; vapor encroachment screening; Phase II Environmental Site Assessment and/or design of a wastewater/effluent tank and evaporator or trench drains and sand oil interceptors.

Additional services may be performed by GES under a separate agreement with additional fees. A proposal for additional services can be prepared upon request.

**Well Infrastructure Engineering Scope of Work
Shaw Engineering, Inc. Proposal dated 5/7/2021**

NDOT has determined the site is too far away from the nearest water purveyor and an independent groundwater well system will be required. The scope of work included with this proposal will include all coordination, design, deliverables, meetings, reviews and permitting support as required in RFP 228-20-056 for items pertaining to the water system. The water system is planned to include well permitting, well drilling, well equipping, water transmission lines between the well and the ground-level water storage tanks, filling controls schematics and cross connection for filling tanks, water quality review, hydraulic analysis, arsenic treatment plant design, fire, process and domestic water storage calculations, disinfection systems, booster pump stations, water distribution line design support (coordination with civil), fire line design support (coordination with fire protection engineer), cross connection control coordination and additional vulnerability analysis of the drinking water system.

Commercial facilities in the State of Nevada fall under Nevada Division of Environmental Protection (NDEP) Bureau of Safe Drinking Water (BSDW) generally if they have 25 employees at the facility for 6 months or more throughout the year or 25 people at the facility for 60 days in a given year. Depending on staffing and planned visitors at the facility, the water system will be unclassified (no regulation from BSDW), classified as a transient non-community public water system for 25 people there for any 60 days throughout the year or classified as a non-transient non-community public water system for 25 of the same people at the facility for 6 months per year or more. The construction level design plans effort for the well and water system appurtenances is generally the same based on the specifications in the RFP. There are additional permitting documents, BSDW submittals, operations and maintenance plans, emergency response plans, etc. which are required by BSDW to be completed which add substantial work in addition to the construction-level design plans. The scope of work has been presented assuming complete BSDW permitting and coordination will be required for this project. There is a general fee reduction in the cost table at the end which can be realized if BSDW permitting is not required.

Based on RFP 228-20-056 the bulleted scope of work will be provided under the project development phases listed below:

Task 1 Initial Schematic Phase

- a. Conceptual design of well, tanks, treatment and booster pump stations.
- b. Water quality parameters/analysis, including coordination with project hydrogeologist.
- c. Develop timelines and schedules for water system scope items.
- d. Preliminary cost estimates.
- e. Support the design team and NDOT in the Initial Schematic Meeting
- f. Provide a well, tanks, booster pumps, and water rights narrative.
- g. Prepare and submit an initial application for a new public water system to BSDW.
- h. Prepare and submit to BSDW a site plan (well location only), well drilling design (provided by GES), well drilling specifications (provided by GES), preliminary water system flow schematic and brief report on water system demands, storage and pumping rates.
- i. Coordinate with NDOT and NDWR for water rights filings, applications, due diligence on other rights, etc.

Task 2A Final Schematic Phase – 35% Design Submittal

- a. 35% design plans, specifications and engineer's opinion of probable costs.
- b. Fire system tank and fire pump location coordination.
- c. Coordination with design team and NDOT regarding status of NDWR and NDEP permits.
- d. Well equipping 35% design (pump discharge type and surface hydraulic analysis).

- e. Draft water system flow network assuming arsenic treatment.
- f. Booster Pump Station operating points.
- g. Domestic, fire and process water storage requirements and tank network coordination with design team and NDOT.

Task 2B Water Well Drilling Support

- a. Assuming BSDW approval is required prior to well drilling, water quality and quantity will also need to be approved by BSDW prior to final design. This task will coordinate with GES during drilling and coordinate obtaining water quality samples for primary and secondary drinking water contaminants, including arsenic speciation and bacteriological analysis.
- b. Following completion of the well drilling, the well completion report (by GES) will be submitted to the BSDW with a copy of the well drilling as-builts and all available test reports.

Task 3 Initial Design Phase – 65% Design Submittal

- a. 65% design plans, specifications and engineer's opinion of probable costs.
- b. Review and due diligence work for water rights to be purchased and transferred to the site, or coordination with NDWR to determine potential availability of a new appropriation.
- c. Permit applications prepared for NDOT signature, including NDWR applications and BSDW applications.
- d. Review of groundwater quality and confirmation of water system average day demand, max day demand and peak hour demand.
- e. Coordination with water treatment vendors for treatment of the site's maximum day demand for arsenic.
- f. Completion of preliminary engineering for arsenic treatment including submittal to BSDW (required to allow final design to be completed on treatment system).

Task 4 Pre-final Phase – 100% Design Submittal

- a. 100% design plans, specifications and engineer's opinion of probable costs.
- b. Review/coordination with design team for cross connection control for the site.
- c. Review of fire system interface with well system based on final fire riser locations and flow rates.
- d. Final water distribution system design coordination with civil and mechanical engineer.
- e. Submittal of final design plans to BSDW for review of construction-level plans for well equipping, tanks, treatment system, booster pump station and distribution system and connections.
- f. Final NDWR filing for water rights including water rights mapping for a stripping map and a place of use and point of diversion map (completed before 100% design submittal as available).

Task 5 Geothermal System – Permitting and Support for Open-Loop System

- a. Review geothermal loop system drawings and provide comments on design by others.
- b. Review water chemistry for system and provide supporting recommendations.
- c. Coordination with and submittals to NDEP for Underground Injection Control (UIC) system with an open-loop geothermal production and underground injection well. Work will include analysis for confirming negative potential degradation to groundwater quality due to the injection well.
- d. Coordination with and submittals to NDWR for water rights for the geothermal system. No water rights are anticipated to need to be purchased for the system, however application and coordination with NDWR will be required.
- e. Tasks above assume NDOT will pay all permit fees directly.

Task 6 Construction Phase

- a. 100% construction documents (provide documents, updates, etc. as requested).
- b. Provide all final technical specifications which adhere to Master List of Numbers and Titles for the Construction Industry.
- c. Agency plan check submittal coordination (including 2nd submittal to BSDW for construction-level plans).
- d. Agency review responses and design updates.

Task 7 Bidding Phase

- a. Support TSK and NDOT with bid document compilation as required.
- b. Respond to requests for information (RFIs) during bidding.
- c. Assist with addenda as required.

Task 8 Construction Administration Phase

- a. Review shop drawings and material submittals.
- b. Coordination with design team and NDOT Resident Engineer (RE) for responses to contractor RFIs.
- c. Review field conflicts as requested.
- d. Provide office support to the NDOT RD for the well and water system as required.
- e. Review inspection and testing reports relevant to the water system design.
- f. Assist with change order coordination and any requested design drawing changes.
- g. Provide periodic inspection of the water system work; 3-4 site visits total, assumed.
- h. Review O&M Manuals from contractor to confirm they meet the requirements of the specifications.
- i. Draft as-builts based on documented changes through construction and any available markups from field drawings.
- j. Provide certification to BSDW for completion of the water system as required.

All work will be performed by Shaw Engineering in Reno office. SE will utilize McGinley & Associates for a minor amount of water rights review and coordination.

Fueling Station Engineering Scope of Work Lumos & Associates, Proposal dated 4/15/2021

Lumos and Associates, Inc. (Lumos) is pleased to provide you with this proposal for engineering design for the proposed fuel station associated with the new NDOT Lovelock Maintenance Yard.

Project Understanding

The respective work to be done at the site is listed out below and is in line with the scope of work that will be required for the NDOT fuel station.

Project Scope

Task 1: Fueling Station Design

Lumos will provide complete A/E services including the following scope of services for new fueling station at Lovelock:

- Work at this site includes site adaptation of NDOT's current design for fuel islands, drive slab, fuel tanks, canopy deferred submittal design (if required), fuel dispensers, pumps, monitoring equipment tank gages and all associated plumbing, electrical, inventory control systems, card readers, site work/grading, utilities, storm water BMP's to furnish a complete and working Fueling system.
- Survey of the proposed site (provided by TSK/Odyssey)
- Update fuel tank structural details to current building code
- Coordination with facility and District staff
- Site visits to each location if required (assumed to be 1 during design if necessary)

- Permitting: State Public Works Board, State Fire Marshall (includes submittals to NDOT and response to comments, this assumes NDOT will handle the actual submittals to the permitting agencies through their typical channels)
- Spill prevention plan
- Book specifications if necessary
- Review of ICE Cost Estimates

Task 2 – Bidding Assistance (If necessary)

TSK to lead the bidding effort in coordination with NDOT. Lumos will be available to respond to RFI's during bidding related to the fuels facility and prepare addenda related to the fuel facility.

Task 3 – Construction Assistance (If necessary)

TSK to lead the construction efforts in coordination with NDOT. Lumos will be available to respond to RFI's during construction related to the fuels facility, review submittals routed to Lumos via TSK/NDOT, attend weekly meetings associated with fuel, and review contractor redline record drawings. Lumos will also prepare final record drawings based upon the finalized contractor redlines. Lumos has included one (1) site visit in this scope in the event one is necessary.

Assumptions / Exceptions

Lumos has made the following assumptions in preparation of this proposal:

- Environmental Assessments if necessary will be provided by others
- No title research or boundary survey is included; a separate proposal for boundary survey will be provided if determined to be necessary.
- No drainage reports are included
- Lumos will work with Odyssey/TSK on the siting of the fuel station and then Lumos will ensure grading for the fuel station will mesh with Odyssey's overall grading for the site (essentially Lumos will block out an area that will be Lumos work limits, assumed to be approximately 60x50 based on previous work but will vary based on final size of the fuel station).
- It is assumed that PK will provide all electrical/communications designs.
- NDOT will procure the tank/fueling materials separately and provide to the contractor

Structural Engineering Scope of Work

McElhaney Structural Engineers (MSE) Proposal and List of Exclusions 4/13/2021

Structural Engineering to include gravity load systems and lateral systems design in accordance with the most recent code adoptions by the Governing Local Agencies. Structural Engineering to be provided for mechanical ductwork and other supports as needed.

Milestones include Schematic Design, Design Development, Construction Documents, Permitting, and Bidding Packages. Each package to include drawings, calculations, and specifications as appropriate to the development of each phase. MSE understands there maybe early partial packages if requested by NDOT. Construction Administration Services are also included. Five (5) Site visits included in base fee, additional site visits can be provided if directed by NDOT and TSK as an additional service (\$1,200 each)

MSE to provide wet-stamped calculations and drawings for the approximately 13,900 sf. of NDOT maintenance station facilities:

1. Maintenance & Administration Building
2. Sand and Salt Storage Building
3. 4-Bay Vehicle Cold Storage Building
4. Covered Vehicle Storage
5. Loading dock structures
6. Spreader Rack Storage
7. Radio Tower Foundation
8. Salt & Sand Mixing Facility
9. Fueling Pump Facility

10. Brine Tank Foundation
11. Well Tank Foundation and Support
12. Light Pole Base Foundation
13. Gate Support Foundations
14. Includes foundations for the vehicle lifts. (Does not include design of the lifts themselves.)

Mechanical Engineering Scope of Work
CR Engineering Proposal dated 5/7/2021

Project Description

Construction of an NDOT maintenance facility per the Request for Proposal #228-20-056.

A. Mechanical design work will include the following systems and components:

Vehicle Maintenance Facility (office, maintenance bays, welding area)

1. Heating hot water plant
2. Chilled water plant
3. VAV air handler
4. VAV terminal units
5. IT Room cooling
6. Restroom exhaust
7. Service bay ventilation
8. Vehicle exhaust system
9. Welding exhaust
10. DDC controls

Vehicle Storage Facility

1. HVAC
2. DDC Controls

Wash Bay

1. Equipment room HVAC
2. Snow melt

Fueling Station Office

1. HVAC
2. Restroom exhaust

Booster Pump Station

1. Pump room HVAC
2. Chemical room HVAC
3. Control panel
4. DDC monitoring and alarms

B. Plumbing design work will include the following systems and components:

(Plumbing design work is limited to five (5) feet outside the building unless specifically noted below)

Vehicle Maintenance Facility (office, maintenance bays, welding area)

1. Plumbing fixtures and equipment
2. Domestic water piping
3. Domestic water heating
4. Waste and vent piping
5. Fuel gas piping
6. Roof drainage
7. Condensate drainage
8. Emergency eye/face wash stations
9. Backflow prevention
10. Lube/oil piping

11. Compressed air system
12. DDC controls

Vehicle Storage Facility

1. Domestic water piping
2. Hose bibs
3. Backflow prevention

Wash Bay

1. Equipment room floor drainage
2. Domestic water piping
3. Backflow prevention
4. Heated pressure washer and spray wand(s)
5. Size clarifier(s) if needed
6. Size sand oil separator
7. Size pump vault
8. Size and detail recirculated water pump in vault
9. Wastewater evaporator
10. Brine tank
11. DDC Controls

Fueling Station Office

1. Plumbing fixtures and equipment
2. Domestic water piping
3. Domestic water heating
4. Waste and vent piping
5. Backflow prevention

Booster Pump Station

1. Floor drainage
2. Hose bibs
3. Backflow prevention
4. Emergency eye wash station

C. Fire Protection performance specification work will include the following systems & components:

Vehicle Maintenance Facility (office, maintenance bays, welding area)

1. Fire sprinkler riser detail and location
2. Area to be protected with fire sprinkler coverage
3. Freeze protection if needed

Vehicle Storage Facility

1. Fire sprinkler riser detail and location
2. Area to be protected with fire sprinkler coverage

Fueling Station Office

1. No sprinkler coverage anticipated

Booster Pump Station

1. No sprinkler coverage anticipated

Fire Protection Engineering (James Solaro @ JP Engineering) will include the following:

Booster Pump Station

1. Size, select, and specify fire pumps
2. Fire pump controls

Civil Engineering Coordination

1. Assist with fire tank sizing
2. Assist with fire hydrant locations
3. Assist with fire service water piping layout
4. Locate fire sprinkler risers at protected buildings
5. State Fire Marshal coordination

Mechanical design work will include the following systems and components:

Vehicle Maintenance Facility (maintenance bays)

1. Radiant floor heating using geothermal hot water
2. NSF-61/ANSI 372 (drinking water systems components) compliance for all piping and equipment so that water may be re-injected into the ground
3. Assist civil engineer with NDEP approval

D. Design Services Scope of Work

Initial Schematic Design Phase

- a. Attend design meetings in the Reno area or via telecom
- b. Prepare narrative for proposed HVAC, Plumbing, and Fire Protection systems

Final Schematic Design Phase

- a. Prepare narrative that includes alternate systems and development of conceptual design solutions for HVAC and vehicle wash system
- b. Prepare outline specifications
- c. Prepare construction cost estimate

Initial Design Phase

- a. Prepare mechanical calculations
- b. Prepare plumbing calculations
- c. Develop mechanical and plumbing design drawings
- d. Develop book specifications
- e. Develop fire protection performance specification
- f. Assist with vehicle lift selection

Pre-final Design

- a. Provide design calculations for review
- b. Provide design drawings for review
- c. Provide book specifications for review
- d. Provide construction cost estimate for review

E. Construction Phase

- a. Address building department comments
- b. Provide bid documents

F. Bidding Phase

- a. Provide bid documents
- b. Answer questions during bid
- c. Prepare addendum items

G. Construction Administration

- a. Review mechanical equipment and materials submittal
- b. Review plumbing equipment, fixtures, and materials submittal
- c. Review fire protection calculations, equipment, and materials submittal
- d. Answer field generated questions (RFI's)
- e. Monthly construction site visits (12 month construction schedule)
- f. Review test & balance report

- g. Review O&M manuals
- h. Perform final inspection and provide punch list
- i. Prepare record drawings from contractor's markups

H. Contract & Construction Closeout

- a. Attend nine-month warranty inspection on site

I. Alternate design Services Scope of work (Geothermal heated floor in Maintenance Bays)

- a. See fee breakout in fee schedule.

J. Services not Included

- 1. Domestic water service design (well, tank, booster pump, arsenic removal)
- 2. Fire water service design (well and storage tank)
- 3. Structural design or review of equipment support
- 4. Seismic restraint design
- 5. Vehicle fuel dispensing design
- 6. Geothermal design
- 7. LEED[®] certification
- 8. System Commissioning
- 9. Reproduction of documents
- 10. Permit fees

Electrical Engineering Scope of Work

PK Electrical Proposal and List of Exclusions dated 5/4/2021

A. Project Description

The project is for a new NDOT Maintenance Station in Lovelock, Nevada. The new Maintenance Station will include a Vehicle Maintenance and Administration Facility, Site Utilities, Site Structures and Well Head, Tank and Booster Pump.

The site utilities include a new primary electrical service to the site and secondary electrical service. Each structure will be provided with an underground electrical service. An emergency generator system capable of powering the entire site will be part of the design documents. UPS power will be provided where required or requested by NDOT. We will coordinate with NV Energy for the new primary service. We will also coordinate with NDOT and other communication service providers for communication service requirements.

Site structures include a vehicle storage facility (approximately 4,800 square feet), fueling facility, combined sand/salt storage facility (approximately 9,600 square feet), covered vehicle storage, radio tower, brine mixing (approximately 800 square feet), entry gates, and construction trailer pads. Various electrical, lighting, and low voltage/communication as outlined in the RFP are required at the site structures.

For the water/well system, there will be a fire pump package, well pump and associated control, a booster pump system with two pumps, a small water heater, a recirculation pump and some other 120V connections. Most of this equipment will be connected to the emergency generator system.



The electrical and low voltage design will include building interior and exterior lighting and controls, site lighting and controls, power distribution and branch circuits, electrical connections to HVAC and other equipment, electrical service, coordination with NVE and Communication utilities, emergency generator system, UPS power as needed, electrical for the pump systems, telecom design for computer workstations, security/CCTV video surveillance, access control at the buildings and site entry points, and fire alarm design as required by IFC. Associated electrical and lighting calculations will be provided.

PKE will show spare conduit for a future PV system to a selected site location and/or VMF roof from the VMF main electrical room. PKE will also allocate space for future PV equipment in the electrical room.

PK scope/fee does not include an arc flash study, photovoltaic system, or snow melt system design.

B. Scope of Services

Design Phase Services include site investigation, consultation, calculations, permit & construction documents and specifications. PK will attend local (Reno) or virtual design meetings as required to coordinate with other trades.

Deliverables include 100% Schematic Design narrative and specification outline; 100% Design Development drawings and specifications; 100% Construction Documents / Permit drawings, specifications, and calculations.

Bid/Permit Phase Services include responding to plan review comments and reissuing drawings as needed; responding to bidder questions, issuing written narratives & revision sketches.

Construction Administration Services include consultation, submittal and shop drawings review, responses to RFIs and revisions to contract drawings. We will attend local (Reno) or virtual design meetings as required to coordinate with other trades and will provide contract administration services as required for a complete project. Project Close-Out to include record drawings & O&M Manual review.

Site Visits include two (2) site visits during construction and one (1) site visit for final inspection.

Project Design Schedule: start date will commence upon receipt of signed proposal or agreement and the completion date shall be established by the project team and/or Owner at the start of design.

Exclusions: Digital renderings, permit, plan check, and utility fees.

Landscape Architecture Scope of Work
LAGE Design Proposal and List of Exclusions 4/8/2021 Proposal

A. Scope of Work:

LAGE understands the project site is located in Lovelock, Nevada and that site development will occur on approximately 5.0 acres of the 20.0 site. LAGE Design will provide the following Landscape Architectural Design Services:

B. Documentation:

TASK 1 Schematic Design (Initial Schematic & Final Schematic)

The Consultant shall prepare Schematic Design drawings of all landscape design related items. A design narrative will be included with this task. The Consultant will meet with the design team to determine the final schematic design direction for the project and prepare final Schematic Design documents.

TASK 2 Design Development (Initial Design)

Based upon comments and input received from the Schematic Design submittal and the approved Schematic Design drawings, the Consultant shall further progress the design of all landscape design related elements including planting and preliminary irrigation toward preparation of construction documents. The Consultant will meet with the design team to secure final approval of the design before proceeding to preparation of construction documents.

Task 3 Construction Documents (Final Design)

The Consultant shall prepare the following drawings, based on the approved Design Development Documents setting forth, in detail, the landscape requirements for the project.

Landscape Planting Design

- A planting layout plan indicating the location of all trees, shrubs and groundcovers.
- A plant schedule will be prepared listing all plant material with botanical and common names as well as size and quantity.
- A schedule of decorative rock, boulders, and mulches to include size, areas, depth, and color.
- Construction notes, details, and technical specifications necessary to properly implement construction.

Landscape Irrigation Design

- An irrigation plan indicating location and type of all valves, heads, lines, sleeves, pipe sizes, automated fertilization system and anti-siphon device.
- An irrigation schedule will be prepared specifying equipment and manufacturers.
- Construction notes, details, and technical specifications necessary to properly

implement construction.

Task 4 Construction Administration

The Consultant shall provide the following contract administration/observation tasks during the course of the construction:

1. Provide supplemental notices related to the landscape design.
2. Review shop drawings and submittals during construction to help ensure compliance with the plans and specifications.
3. Conduct the following site visits to review or address the following:
 - a. Pre-construction meeting with the selected Landscape Contractor to review the site and plans prior to the start of landscape improvements.
 - b. Review all of the Contractor's selected (tagged off) plant material upon delivery to the project site.
 - c. Attend pre-final and final construction walk-thru.
 - d. Prepare final punch list.
4. Draft as-built drawings from contractor provided information.

All site visits and other communications with the contractor(s) will be documented by written report, which will be promptly submitted to the Owner's representative.

Cost Estimator Scope of Work O'Conner Construction Management Inc. (OCMI) 4/13/2021 Proposal

OCMI to provide Cost Estimating Services. One Estimate at the completion of Schematic Design, one at the completion of Design Development, and one at the completion of Construction Documents Phase. Major Design Revisions at the completion of Each Phase are excluded and are to be considered an additional service.



Proposed Project Schedule:

NDOT Lovelock Maintenance Station		Date: 10-May-2021	
Dates & Durations Subject to NDOT Approval & Contracting			
Proposed Project Schedule		Start	Complete
Geotech and Site Survey Work	17 weeks	2-Aug-2021	23-Nov-2021
Well, Analysis & Treatment plan	17 weeks	2-Aug-2021	23-Nov-2021
Tasks in Parallel	17 Weeks	Geotech, Survey, Wells	
Initial Schematic Design Proofing	5 weeks	2-Aug-2021	6-Sep-2021
Review Prior Project Criteria			
Confirmation & Updates			
Submittal			
Owner Review			
Schematic Design	8 weeks	7-Sep-2021	25-Oct-2021
Site Concepts (3 Options)			
Presentation and Selection of 1 option			
Buildings & Systems			
Budgets & Review			
Initial Design Development Proofing	4 weeks	26-Oct-2021	23-Nov-2021
Constructability and Budget			
Design Development	7 weeks	24-Nov-2021	14-Jan-2022
Site Development			
Building Development			
50% DD Milestone			
Budgets & Review			
100% DD Milestone			
Construction Documents	14 weeks	17-Jan-2022	25-Apr-2022
Site Completion			
Building Completion			
50% CD Milestone			
Budgets & Review			
75% CD Milestone			
100% Milestone			
Budgets & Review			
	38 weeks	Documentation & Budget Proofing	
Permitting Submittal & Review	10 weeks	27-Apr-2022	5-Jul-2022
Permitting (SPWD & St. Fire)			
Response			
Final Permit			
NDEA Permitting	tbd weeks		



Total Project Fee Matrix Per Phase Listed:

Basic Services Fee Schedule Breakdown (2021-5-10)							
NDOT Lovelock Maintenance Station	<i>Initial Schematic Design Phase</i>	<i>Final Schematic Design Phase</i>	<i>Initial Design Phase</i>	<i>Pre-Final Design Phase</i>	<i>Bidding or Negotiations Phase</i>	<i>Construction Administration Phase</i>	Totals
Duration	<i>5 Weeks</i>	<i>8 weeks</i>	<i>7 weeks</i>	<i>14 weeks</i>	<i>10 weeks</i>	<i>50 weeks</i>	94 weeks
Architecture (TSK)	45,760	100,100	125,700	212,950	76,750	431,740	\$993,000
Civil Engineering (OE)	16,175	15,500	28,500	18,000	500	12,000	\$90,675
Geotechnical (GES)	105,000	116,000	9,000	20,000	10,000	10,000	\$270,000
Well Design (Shaw)	14,000	16,950	38,110	4,200	3,900	24,600	\$101,760
Fueling System (Lumos)		8,500	10,400	13,500	2,000	6,800	\$41,200
Structural Engineering (MSE)	9,875	14,575	28,800	28,850	1,725	18,550	\$102,375
Mechanical Engineering (CRE)	31,600	15,800	173,800	15,800	9,480	69,520	\$316,000
Electrical Engineering (PKE)	7,500	30,000	50,000	112,500	7,500	42,500	\$250,000
Landscape Architecture (LAGE)	500	5,500	7,200	10,800	200	4,464	\$28,664
Cost Estimating (OCMI)		7,500	9,750	10,250			\$27,500
Totals Per Phase	\$230,410	\$330,425	\$481,260	\$446,850	\$112,055	\$620,174	\$2,221,174

Project Reimbursable (printing, travel expenses, etc.) will be pre-approved by NDOT prior to being incurred and once approved will be processed per the State Per Diem Website criteria.



If this Professional Services and Fee Proposal is acceptable, Tate Snyder Kimsey Architects (TSK Architects) can follow up with a **Standard AIA Contract B141** based on this initial scope of work. Please advise if you have any questions or comments and we will respond to these as expeditiously as possible.

ACCEPTED AND AGREED: TSK Architects is hereby authorized to proceed with this scope of work for the fixed fee defined above.

NDOT Architecture Signatory

Date:

Again, TSK Architect and the Consulting Engineering Team appreciates the opportunity to present our proposal and we look forward to working with you and the NDOT Lovelock Maintenance Facility and Architectural Division Staff on this project.

Please feel free to call me if you have any questions and we can discuss this further.

Sincerely,

Pat Pusich, AIA
Principal, TSK Architects

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):

Tate Snyder Kimsey Architects Ltd., dba TSK

5. Corporate/Business Entity Street Address:

Street Address: 314 South Water Street	Website: www.tska.com
City, State and Zip Code: Henderson, Nevada, 89015	Point of Contact Name: Shelly Lyons
Telephone and Fax No. 702-456-3000	Email: slyons@tska.com

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

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

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

Yes No

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

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

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

Digitally signed by Shelly A. Lyons
 DN: cn=Shelly A. Lyons, o=State of Illinois, ou=State of Illinois, email=Shelly.A.Lyons@state.il.us, c=US
 O=Tate Snyder Kinsey Architects
 CN=Shelly A. Lyons
 Date: 2021.03.26 12:15:23-07'00'

Shelly A. Lyons

Shelly A. Lyons

Signature

Print Name

Principal/Business Manager

March 26, 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

Line Item 4

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

230-20-813
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: Consultant Services

Originated by: Mark Wooster Division: Traffic Info Date Originated: 04/23/2020

Division Head/District Engineer: Bob Madewell

Budget Category #: 06 Object #: 813P Organization #: 813

Type of Funding: Fed/State % of Fund: 100 State Fiscal Year(s): 2021-2025

Amendment Estimated Cost:

Total Agreement Estimated Cost: 1,000,000

Funding Notes: SPR Funding 80% Fed 20% State. This agreement will proceed through the RFP process.

Stage 1 - Years 1-3: Tasks 1-10 on the attached scope for a total of \$800,000

Stage 2 - Years 4-5: Task 11 on the attached scope for an additional \$200,000

Financial Management:

DocuSigned by:
Donna Spelts 05/26/2020
8A78D93AD71F444... _____
Signature Date

Requires Transportation Board Approval

Does not require Transportation Board Approval

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

Project Accounting:

DocuSigned by:
Kathleen Meeker 05/26/2020
9E9F10973C1B46E... _____
Signature Date

Director:

DocuSigned by:
Kristina L. Swallow 05/26/2020
C4B812FC2C1E4FB... _____
Signature Date

**STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION**For Agreement Services Only
230-20-813**Attachments:**

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



If Amendment, attach original Agreement here:

Any additional information to attach: Yes

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

Nevada's current statewide Travel Demand Model (TDM) received minimal updates in 2017 to its original data from 2012. Many changes have been made since 2012 to the architecture of the MPO models throughout the state & need to be incorporated into the statewide TDM to increase the accuracy & relevancy of forecasts. The current statewide TDM uses TransCAD 5.0, which was released in early 2008. TransCAD 8.0 is the most current version of the software and it contains numerous enhancements over previous versions. Updated population numbers will benefit the new project selection process as well as providing increased accuracy for counties such as Clark that have grown. An updated TDM with modern features and enhancements will greatly benefit NDOT's transportation planning efforts, improving mobility and enhancing the health of Nevadans.

Scope of Services:

Upgrade State of Nevada travel demand (TDM) model to latest version of TransCAD, in order to input latest versions of RTC and MPO models and better align with RTCs and MPO currently running more modern software versions. Model update to include updating population and employment files, as these will now be used in the new One Nevada project prioritization for all NDOT projects. Current population and employment figures date back to 2012. Update the model's user interface and add scenarios in five year increments to allow for model runs reflective of current base year and horizon years. Improve accuracy of model's freight component. This is an upgrade to an existing model and a statistical upgrade to the data files in the background that inform the model. It is not an IT update. Provide consultant-led training related to use of TransCAD model. Technical training will enable team to efficiently operate the newer software. Additional training intended for a wider audience will educate managers and decision makers. (Five Year Contract)



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

MEMORANDUM

04/22/2021

TO: Sondra Rosenberg, Assistant Director

FROM: Mark Wooster, Project Manager

SUBJECT: Negotiation Summary for RFP 230-20-813 Statewide Travel Demand Model Update

A negotiation meeting was held, with Stephen Tuttle of RSG and Mark Wooster of the Nevada Department of Transportation (DEPARTMENT) in attendance.

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

The budgeted amount of this Agreement is comprised of 80% Federal / 20% State Funding.

The Scope of Services was reaffirmed by both parties at the outset: (see attached scope)

The following schedule was agreed to by both parties:

Date	Task to be Completed
June 1, 2021-Aug 31, 2021	Task 1 - Existing Model Evaluation and Recommendations
June 1, 2021-May 31, 2023	Task 2 – Project Management
November 1, 2021-July 31, 2022	Task 3 – Collect Origin-Destination (OD) / Travel Behavior Data
September 1, 2021-January 31, 2022	Task 4 – Traffic Counts
September 1, 2021-May 31, 2022	Task 5 – Base, Interim and Forecast Years
September 1, 2021-March 31, 2022	Task 6 – Model Inputs
September 1, 2021-January 31, 2023	Task 7 – Software Platform and Compatibility
June 1, 2022-April 30, 2023	Task 8 – Model Calibration and Validation Updates
March 1, 2022-June 30, 2023	Task 9 – Documentation
June 1, 2021-May 31, 2023	Task 10 – Status Updates
May 1, 2023-April 30, 2025	Task 11 – Model Maintenance and training

Key personnel dedicated to this project are as follows:

Name	Title	Estimated Number of Hours
Stephen Tuttle	Project Manager	428
Hadi Sadrsadat	Software Development Lead	420
Theodore Mansfield	Lead Data Analyst	90
Maren Outwater	Freight Modeling Lead	40
Benjamin Stabler	Principal-in-Charge	44
Michael McCarthy	Analyst	744
Luke Gordon	Analyst	778
Laycee Kolkman	Senior Advisor	12
Michael Gorton	Model Continuity Manager	456
Ian Chase	Analyst—Model Inputs	28
Nicholas Karcz	Analyst—Model Inputs	327
Andrew Eckerson	Analyst—Passive Data	100
Smith Myung	Analyst—Passenger Model	109
General Staff-HDR	Analyst	200
	Total Hours:	3776

Sub-consultant information regarding Project Descriptions on active Agreements:

Sub-Consultant	Project Description	Agreement No.
HDR Engineering, Inc.	Nevada Statewide Travel Demand Model Update Support	


The DEPARTMENT's original estimate was \$1,000,000.00.

The SERVICE PROVIDER's original estimate was \$765,848.00.

The negotiations yielded the following:

1. The total projected man-hours allocated for this project is 3776.
2. The total negotiated cost for this Agreement is \$765,848.00.

Reviewed and Approved:

DocuSigned by:

 809F72355AE594F2
 Assistant Director

Statewide Travel Demand Model (TDM) Update

Scope of Work

A Model Improvement Framework to start the RFP Process

This is a proposed scope of work for the improvement of and continuing maintenance of the Nevada Department of Transportation (NDOT) maintained Nevada statewide TDM.

The statewide TDM has many uses, most especially its newest use supporting the One Nevada Plan and the statewide, multimodal project prioritization process. Nevada's statewide TDM also has a long history of use providing base and forecast year traffic volumes and trip tables for NDOT, public agencies, consultants, academics and others. There are geographically large areas of the state that are not covered by Regional Transportation Commission (RTC) and Metropolitan Planning Organization (MPO) models, and for these rural areas of the state the Nevada statewide TDM is the main source for providing traffic volume forecasts. Lastly, as NDOT works with our local partners, the Nevada statewide TDM provides the MPOs with reliable internal-external and through trip travel data – trips that have a start or end within an MPO and travel outside that region, and trips that travel through a region.

Scope of Work:

The following is a brief overview of the major work tasks to be covered under this proposal.

Task 1 – Existing Model Evaluation and Recommendations

The Service Provider will provide a full evaluation of the existing statewide TDM and provide a list of recommendations for potential improvement. The Consultant will complete a literature review of other statewide models to determine different approaches and data sets that will improve the statewide TDM.

Task 2 – Project Management

A kick-off meeting will be held by the Service Provider and NDOT. Stakeholders and MPOs/RTCs shall be invited. A Project Management Plan shall be developed by the Service Provider for NDOT's review.

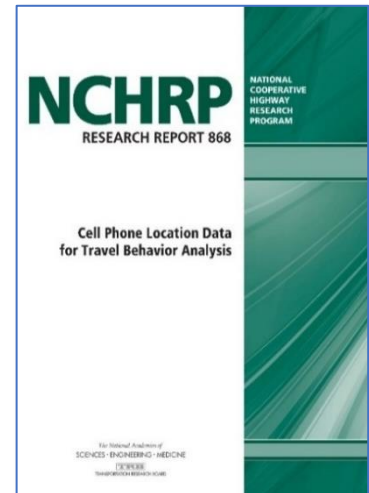
Consultant shall be required to develop a schedule to complete each task that is acceptable to NDOT. This may be presented in a project management chart or by other means.

MPO Coordination will be a crucial part of this model update. NDOT and the Service Provider will need to address concerns about population and employment figures throughout the state, particularly in Clark County. Conversations will be required with the RTC of Southern Nevada (RTCSNV) to investigate the feasibility of running the same build of TransCAD 8 that the RTCSN utilizes.

Task 3 – Collect Origin-Destination (OD) / Travel Behavior Data

The Service Provider is to utilize Location Based Services (LBS) for the entire state including travel to and from Nevada, as well as to and from other states. The use of Streetlight data is preferred. The LBS approach defined within ***NCHRP Report 868—Cell Phone Location Data for Travel Behavior Analysis*** should be used and includes:

- Developing easy to understand sample size and travel behavior metrics that can be used to measure the quality of the product and develop reliable O-D flows.
- A guarantee that the appropriate expansion technique is applied at a sufficient level of geographic detail so that the resulting datasets represent the total population rather than an index that cannot be reliably scaled at a regional level.
- Providing effective linkages with the statewide model so the data provide the greatest value. Work with NDOT to define how zones are defined to maximize the usability of the LBS data.
- Capturing data for an entire year so that differences in travel patterns are accounted for by season and by day of the week when developing final products. Nevada's economy is dominated by the hospitality industry, so developing metrics for weekends versus weekdays or different parts of the year will be relevant.
- Providing detailed documentation, data dictionaries, customized easy-to-use dashboards, and hands-on training that allow NDOT users to fully understand the appropriate and most efficient ways to use the data.
- Validating LBS flow data with publicly available data sources such as the National Household Travel Survey (NHTS), American Community Survey (ACS) and its associated products such as the CTPP, and local survey and count data.



Task 4 – Traffic Counts

The Service Provider shall work with NDOT Traffic Information to obtain traffic counts for key interregional and interstate gateways. Additional counts to be performed by the Service Provider may be required for adequate coverage. Counts may also be obtained in part from MPOs, RTCs, counties, and cities.

Task 5 – Base, Interim and Forecast Years

1. The base model year is suggested to be 2020 and the goal will be to replicate Average Annual Daily Traffic in 2020.
2. Interim forecast years will be in 5-year increments starting with the 2020 base and continuing to the forecast year of 2050. The socioeconomic zonal data will be interpolated between the base (2020) and the forecast year (2050). Interpolation will take the form of linear (straight-line) interpolation.

Task 6 – Model Inputs

1. The Service Provider will integrate into the Statewide model the latest available versions of the following regional models: Washoe RTC, RTC of Southern Nevada, Carson Area MPO (CAMPO) and Tahoe Regional Planning Association (TRPA).
2. Verify and update model network and zone attributes to ensure they reflect current field conditions. Zonal attributes include population, households, income, employment, and Streetlight O/D data. This is to include updating model geometry and line work to better reflect existing conditions.
3. Update statewide socioeconomic forecasts (population, employment, etc). Update model to TransCAD 8 software version.

Task 7 – Software Platform and Compatibility

All products, programs, code or scripts, Graphic User Interfaces (GUIs) or other model components must be built using TransCAD version 8.0 and be compatible with future versions and builds of TransCAD. Compatibility with the Windows operating system is also required. The use of any additional software or program languages will be at the discretion of the Project Manager.

Task 8 – Model Calibration and Validation Updates

The statewide TDM will undergo model calibration and validation throughout the update process. Model calibration and validation procedures will be applied to each step in the model update process. This includes but is not limited to adjustments to trip generation, distribution, and mode choice coefficients. After model calibration, model validation is to be performed including adjustments to traffic assignment. The Service Provider will recommend and discuss with NDOT staff their proposed validation standards. The Service Provider will utilize published statewide model validation standards if available or utilize to the most reasonable extent possible the urban model validation standards

Model calibration and validation include sets of target metrics, such as 80% of modeled highway traffic volumes being +/-10% of traffic counts.

Task 9 – Documentation

Model documentation will be provided by the Service Provider for the statewide TDM. This includes a User Guide and detailed installation instructions. The documentation process will be organized to provide a stand-alone final report at the end of each of the main model development tasks. The review process for these documents will take place on a rolling schedule (as each step is completed and validated) allowing for a measured effort by NDOT instead of all review taking place at the end of the project. The sections will be assembled into the final model documentation.

Task 10 – Status Updates

Bi-weekly status reports must be submitted by e-mail to the NDOT Project Manager to provide information concerning the project status and progress.

Task 11 – Model Maintenance and training

This task may include, but is not limited to, the following:

1. Provide customized training in general high-level travel demand modeling topics for a larger audience including NDOT leadership teams and district/MPO staff as requested by NDOT.
2. Provide customized training in advance travel demand modeling areas for a small group of people consisting of NDOT modeling staff as requested by NDOT. This includes training in the event of key personnel turnover.
3. Option to add two additional years to the project at NDOT's discretion as needed for on-call services, which include model maintenance. and assistance running scenarios with the model if needed by the NDOT team.

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):

Resource Systems Group, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 55 Railroad Row	Website: www.rsginc.com
City, State and Zip Code: White River Junction, VT 05001	Point of Contact Name: Robert Hewett
Telephone and Fax No. P 802 295 4999 F 802 295 1006	Email: Contracts@rsginc.com

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

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

Consanguinity is a relationship by blood.

Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No

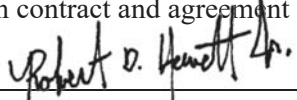
2. Are any individual members, partners, owners or principals have a first or second degree of consanguinity related to a NDOT full-time employee(s) or appointed/elected official(s)?

Yes No

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

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

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


 Signature _____ Robert D. Hewett Jr.
 Contract Manager _____ Print Name
 _____ 5/5/2021
 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



May 13, 2021

Nevada Department of Transportation
1263 S. Stewart Street
Carson City, NV 89712

RE: Disclosure of Relationship Form

To Whom It May Concern:

As clarification to our ownership structure and disclosure of relationship, this letter should serve as elaboration.

Resource Systems Group, Inc. (Company) is an S-Corporation that is 100% owned (all shares) by its Employee Stock Ownership Plan, the **Resource System Group, Inc. Employee Stock Ownership Plan Trust** (Plan), which is designed to comply with Section 4975(e)(7) and the regulations thereunder of the Internal Revenue Code of 1986, as amended (the IRC), and is subject to the applicable provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

An Internal Revenue Service/Department of Labor Form 5500 is filed annually by the Plan. Each participant's Plan account is credited with an allocation of a) Company contributions, b) Plan earnings, and c) any forfeitures. Company contributions are determined by the Company's board of directors but may not exceed the maximum amount allowed under the IRC. Contributions may represent cash or shares of Company common stock. No distributions from the Plan are made until a participant retires, becomes disabled, dies, or otherwise terminates employment with the Company. As such no individual directly owns shares in Resource Systems Group, Inc.

The Trustees of the Plan serve as fiduciaries; they do not receive compensation from the Plan for their service. Their individual identities are not disclosed publicly in the Plan filing, but for purposes of conflict-of-interest clearance, the current Trustees of the Plan are:

- Ken Kaliski
- Leah Flake

- Mark Fowler

None of these individuals live in Nevada.

If there are questions, I can be reached via jay.evans@rsginc.com or via my direct number 240-283-0439.

Sincerely,

A handwritten signature in black ink, appearing to read "John Evans", with a long horizontal flourish extending to the right.

JOHN (JAY) EVANS, AICP
Vice President of Operations & Finance

Line Item 5

522-20-020

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

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

If Amendment, name of Company:

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

Type of Services: On-Call Geotechnical Services

DS
op

Originated by: Mike Griswold Division: Materials Date Originated: 11/04/2020

DS
DT

Division Head/District Engineer: Charlie Pan

Budget Category #: 06 Object #: 814J Organization #: 020

Type of Funding: State % of Fund: 100 State Fiscal Year(s): 2022-2023

Amendment Estimated Cost:

Total Agreement Estimated Cost: \$750,000

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

Financial Management:

DocuSigned by:
Donna Spelts 11/09/2020
8A78D93AD71F444...
Signature Date

x Requires Transportation Board Approval
Does not require Transportation Board Approval

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

Project Accounting:

DocuSigned by:
Kathleen Meke 11/09/2020
9E9E10973C1B46F...
Signature Date

Director:

DocuSigned by:
Kristina Swallow 11/09/2020
C4B612FC2C1E4EB...
Signature Date

522-20-020

Attachments:

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



If Amendment, attach original Agreement here:

Any additional information to attach: No

Purpose of, and Justification for, Budget Request:

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

Scope of Services:

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



1263 South Stewart Street
Carson City, Nevada 89712
Phone: (775) 888-7781
Fax: (775) 888-7501

MEMORANDUM

May 18, 2021

TO: Jenica Keller, Assistant Director
FROM: Mike Griswold, Chief Geotechnical Engineer DS
MG
SUBJECT: Master Agreement Summary for RFP 522-20-020 On-Call Geotechnical Services

The Department is seeking to hire three (3) firms to provide: On-Call Geotechnical Services

Scope of Services: The service provider will provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The service provider will assist the department and other consultants in developing plans and specifications with regard to geotechnical aspects.

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

Duration of these agreements will be for 2 years, ending on June 30, 2023.

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

Firm Name:
Jacobs
Kleinfelder, Inc.
NewFields Companies, LLC

Any agreement executed as a result of this procurement shall be a Master Service Agreement, and work will be issued by Task Order. The total amount of all Task Orders issued to all service providers shall not exceed Seven Hundred and Fifty Thousand and No/100 Dollars (\$750,000.00).

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

Reviewed and Approved:

DocuSigned by:
Jenica Keller
Assistant Director

SCOPE OF SERVICES

The SERVICE PROVIDER will provide geotechnical investigation and design services as needed for highway transportation projects, including, but not limited to, design of structure foundations, retaining walls, cut/fill slopes and roadway subgrade for capacity improvements, seismic retrofits, and rehabilitation and repair projects. The SERVICE PROVIDER will assist the DEPARTMENT and other consultants in developing plans and specifications regarding geotechnical aspects. The design shall follow the most current version of the American Association of State Highway and Transportation (AASHTO) Load and Resistance Factor Design (LRFD), Federal Highway Administration (FHWA) guidelines, and the DEPARTMENT standards.

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):

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

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

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
Adkisson, Jason	Assistant Secretary	11/19/2020
Allen, William "Billy" B.	Senior Vice President and Chief Accounting Officer	10/13/2016
Andrews, Madhuri	Chief Information Officer	11/11/2019
Arnette, Stephen A.	SVP & GM, ATN Advanced Engineering, Research & Operations	01/18/2018
Bello, Marius (Mark) F.	Senior Vice President, Designated Project Executive	01/16/2020
Berryman, Kevin Christopher	Chief Financial Officer	11/14/2019
Blackwood, Dennis	Manager, California Engineering Operations	01/18/2018
Bloom, Katie	Designated person responsible for practice of Environmental	01/18/2018
Bruning, Michael	Manager, California Engineering Operations	01/18/2018
Bunderson, Michael	Vice President, Tax	05/29/2018
Bussell, Scott	Vice President	01/17/2019
Byers, Timothy	Sr Vice President & GM, Federal & Env Solutions	05/05/2020
Carlin, Michael James	Treasurer and Enterprise Risk	01/17/2019
Caruso, Joanne E.	Chief Administrative Officer	01/18/2018
Cordtz, Kent	Manager, California Engineering Operations	01/18/2018
Crawford, Bruce	Senior Vice President, Strategic Development	11/19/2020
Delisle, Tina	Senior Manager Payrol	02/01/2021
Demetriou, Steven J	President	08/17/2015
Doros, Jonathan	Vice President, Investor Relations	01/17/2019
Doyna, James	SR Vice President, Finance, Critical Mission Solutions	03/18/2021
Earsom, Deryl	Assistant Secretary	11/19/2020
Walstrom, Jan	Senior Vice President & General Manager, Global Environmental	05/05/2020
Gilmartin, Kenneth	Senior Vice President & General Manager, Advanced Facilities	11/14/2019
Gustafson, Shelette M.	Chief Human Resources Officer	01/17/2019
Hannigan, Marietta C.	Chief Strategy & Communications Officer	11/07/2018
Hansen, Taggart	Sr. Vice President, Deputy General Counsel & Internal Audit	05/05/2020
Hanson, Robert	Manager, California Engineering Operations	06/01/2018

Name	Position	Appointed
<u>Hendon, Brian Lee</u>	Designated person responsible for practice of Architecture i	01/18/2018
<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>Hooper, Cory</u>	Vice President, Florida Operations	12/17/2019
<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

Name	Position	Appointed
<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
<u>Strauss, Scott</u>	Vice President-Authorized Signer	04/01/2019
<u>Thom, Chrissy</u>	Senior Vice President, Growth, Strategy & Solutions PPS	01/27/2021
<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

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):

Kleinfelder, Inc.

5. Corporate/Business Entity Street Address:

Street Address: 550 West C Street, Suite 1200	Website: www.kleinfelder.com
City, State and Zip Code: San Diego, CA 92101	Point of Contact Name: John Moossazadeh
Telephone and Fax No. 619.831.4600	Email: jmoossazadeh@kleinfelder.com

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

Street Address: 6280 S. Valley View Blvd, Suite 500	Website: www.kleinfelder.com
City, State and Zip Code: Las Vegas, NV 89118	Point of Contact Name: Marc Moncilovich
Local Telephone and Fax No. 702.736.2936	Email: mmoncilovich@kleinfelder.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:

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Affinity is a relationship by marriage.

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

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

Disclosure of Relationship:

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

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

Yes No


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

Yes No

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

NAME OF BUSINESS OWNER/PRINCIPAL	NAME OF NDOT EMPLOYEE/OFFICIAL AND JOB TITLE	RELATIONSHIP TO NDOT EMPLOYEE/OFFICIAL	NDOT EMPLOYEE'S/OFFICIAL'S DEPARTMENT/DIVISION
David S Alexander	Joanna S Kishner, District Court Judge	Spouse	Department 31

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
 Nevada Area Manager

 Title

David S Alexander, PE, CCM

 Print Name
 5/11/21

 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:

DocuSigned by:


 Signature

Jessica Cutts

 Print Name
 Authorized NDOT Representative

DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Business Entity Type (Please select one)

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

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

3. Number of Nevada Residents Employed (Do Not Leave Blank): 33

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

NewFields Companies, LLC

5. Corporate/Business Entity Street Address:

Street Address: 1349 West Peachtree St. NW , Suite 1950	Website: www.newfields.com
City, State and Zip Code: Atlanta, GA 30309	Point of Contact Name: Eric Salnas
Telephone and Fax No. 404-347-9050 (ph); 404-347-9080 (fax)	Email: esalnas@newfields.com

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

Street Address: 1301 N. McCarran Blvd., Suite 101	Website: www.website.com
City, State and Zip Code: Sparks, NV 89431	Point of Contact Name: Jesse Ruzicka
Local Telephone and Fax No. 775-525-2575 (ph); 775-525-2577 (fax)	Email: jruzicka@newfields.com

6. List of Owners/Officers

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

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

Full Name	Title	% Owned (Not required for Publicly-Traded Corporations/Non-profit Organizations)
See Attached		

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

DISCLOSURE OF RELATIONSHIP FORM

This section is not required for publicly-traded corporations

Purpose:

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

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

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

Definitions:

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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.

Patrick C. Gobb
 Signature
CEO

Patrick C. Gobb
 Print Name
 05/10/21

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

OWNERSHIP OF NEWFIELDS COMPANIES, LLC

Member	Type of Interest	Percentage Interest	Voting Interest	Title
William L. Hall	Voting	0.00000%	31.77403%	Chairman
NewFields Legacies, LLC	Nonvoting	31.77403%	0.00000%	Georgia LLC
Shahrokh Rouhani	Voting	31.77403%	31.77403%	President
Gary R. Krieger	Voting	21.82587%	21.82587%	Vice President
Michael R. Wild	Voting	6.0153%	6.0153%	Member
Patrick C. Gobb	Voting	5.70636%	5.70636%	CEO
Ryan T. Baker	Voting	2.0%	2.0%	Member
Ginger L. Hicks	Voting	.90450%	.90450%	Member
TOTAL		100.00000%	100.00000%	

OWNERSHIP OF NEWFIELDS LEGACIES, LLC

Member	Type of Interest	Percentage Interest	Voting Interest	Title
William L. Hall	Voting	47.07%	47.07%	Manager
Carolyn T. Hall	Voting	47.07%	47.07%	Member
Christine M. Hall	Voting	2.93%	2.93%	Member
Marjorie H. Snook	Voting	2.93%	2.93%	Member
TOTAL		100.00000%	100.00000%	

Line Item 6

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

P702-18-802AMD1
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 #: 1
Name of Second Party, if Known: Jacobs Agreement Number: P702-18-802
Project ID #(s): n/a
Type of Services: Service Provider

Originated by: Tim Mueller Division: 804 Date Originated: 5/5/2021
Division Head/District Engineer: Mark Costa
Budget Category #: 06 Object #: 814U Organization #: 802
Type of Funding: Federal/State % of Fund: 80 State Fiscal Year(s): 21-24

Amendment Estimated Cost: \$3,036,000.00

Total Agreement Estimated Cost:

Funding Notes: Total Amendment Cost = \$1,500,000
Federal (SPR) funding is \$1,200,000. Estimated to be spent \$60,000 FFY 21, \$380,000
FFY 22-24.

Financial Management:

Kristen Greenhut 6/1/2021

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 6/1/2021

Approved by Date

Director:

Kristina Swallow 6/1/2021

Approved by Date

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

For Agreement Services Only
P702-18-802AMD1

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 Department will prioritize projects and needs through the use and refinement of the One Nevada process, ultimately used to create a transparent process for project development. This will improve the identification of transportation needs and will refine internal processes to incorporate One Nevada into the Department's culture.

Scope of Services:

As the transportation needs are identified they will progress through the One Nevada long-range, mid-range and short-range processes. Each of these processes will be refined and integrated into the Department's culture.



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

MEMORANDUM

May 26, 2021

TO: Sondra Rosenberg, Assistant Director
FROM: Kevin Verre, Project Manager
SUBJECT: Negotiation Summary for Amendment 1 to Agreement P702-18-802

On 9/4/19, NDOT entered into agreement P702-18-802 with Jacobs to assist the Department with the implementation of the One Nevada Transportation Plan, a performance based statewide long-range plan framework. The Scope of Services include Project Management, Outreach and Education, Data Requirements/Refinements, Project/Need Generation and Data-driven Prioritization Process.

Due to the need to refine, develop, and coordinate the complexities of the prioritization process the department needs consultant support to continue the development of strategies, implementation tools, and processes for need identification and project prioritization. The scope of services will also include consultant support for internal partnering on the implementation of the One Nevada process.

To accommodate this increase of scope, the total amount of the agreement would increase by \$1,500,000.

This amendment adds 22 months to the agreement for a new end date of 9/4/24. The negotiations yielded the following:

1. There will be an additional 9,000 total man-hours allotted to this agreement.
2. The original agreement is cost plus fixed fee, and the work will be completed utilizing task orders.
3. A fixed fee of 10% was agreed to by both parties consistent with the original agreement.
4. The total negotiated cost for this Amendment, including direct labor, overhead, fee and direct expenses will be \$1,500,000. The new total cost of this Agreement will be \$3,036,000.

Reviewed and Approved:

DocuSigned by:

895F72355AF94F2...

Assistant Director

Master Agreement Amendment - Scope of Services One Nevada Plan Implementation Phase 2

Background: Nevada's multimodal transportation system is a network of assets that must meet the demand to move goods and commerce in an efficient manner. This network of assets encompasses roadways and other modal facilities. The growing demands on these resources have created an essential need to prioritize project development. [The One Nevada Plan](#) developed a foundational start to moving project development into a performance-based direction and is a continuing effort. Further development of useful tools and procedures will afford the plan its needed details to become more effective. The DEPARTMENT will prioritize projects and needs to create a transparent process for project development, confirming the transportation needs of the State are being met.

The intent of this amendment is to supplement the first phase of the One Nevada Implementation. In the first phase of the One Nevada Implementation, the Short Range Project List was established, prioritized, harmonized, and amended throughout the year. The Long Range Need Identification and validation processes were established. The Mid Range options were presented to connect the long range and mid range elements of transportation planning.

The following scope covers future work for the second phase of the One Nevada Plan Implementation.

Task 1 – Continue Project Management

1. Develop a project schedule with milestone dates for remaining duration of contract. Update the project schedule throughout the duration of the project, identifying critical path items.
2. Conduct standing team meetings that are biweekly.
3. Prepare invoices and progress reports.
4. Manage subconsultants, including invoicing, progress reports, distribution of work, and quality assurance.
5. Quality Control – develop a quality control plan for review of deliverables.

General deliverables (to be detailed in each task order):

- *Invoices with Progress Reports*
- *Meeting Agendas and Notes (as required)*
- *Project Schedules (updated throughout project at milestones)*

Task 2 – Refine Long Range Needs Process

1. Attend and facilitate Long Range Working Group Meetings Weekly
2. Refine data used for Needs Assessment and Need Validation based on pilot data used in Phase 1
3. Refine process and tools used for Data-driven Need Identification
4. Refine process and tools used for Need Validation of stakeholder-driven needs

5. Build upon pilot Needs Assessment in Phase 1 to perform Needs Assessment in 2021 and 2022
6. Outreach to NDOT staff and external stakeholders on Long Range process
 - a. Incorporate RTP's into NDOT's long range process

General deliverables (to be detailed in each task order):

- *Draft and Final Needs Assessment Recommendations for 2021 and 2022*
- *Need Assessment Methodology documentation*
- *Need Validation Methodology documentation*
- *Need Validation results, as established in the task orders*

Task 3 – Establish Mid Range Processes

1. Attend and facilitate Mid Range Working Group meetings weekly
2. Identify near term implementation steps as well as long term implementation steps and coordinate priorities with leadership and staff
3. Change Management procedures for department wide changes
4. Establish a process, in coordination with Scoping, for the transition from Long Range Needs to concept development, including a process for Planning Level Scoping.
5. Establish a unified Mid Range Transportation Plan and Unconstrained Project List that feeds into the Short Range processes.
6. Outreach to NDOT leadership, staff and external stakeholders on Mid Range process

General deliverables (to be detailed in each task order):

- *Roadmap for Mid Range Process*
- *Unified Mid-Range Transportation Plan for FY2023*
- *Unconstrained Project List for FY2023*

Task 4 – Continue Short Range Prioritization and Harmonization Refinements

- a) Attend and facilitate short range working group meetings weekly.
- b) Refine the current STIP/ Work program list, and the other lists around the department to develop a single valid list for FY2022 Project prioritization.
- c) Establish options for clarifying STIP/ Work Program breakout and approvals. Move toward reduced administrative effort, transparent projects and process, and appropriate levels of approvals.
- d) Update tools used to prioritization and harmonization to make them user friendly, integrated with NDOT's tools, and easy and accurate for reporting.
- e) Perform STIP prioritization based on the data/ criteria established and refined in Phase 1 of the implementation
- f) Perform Harmonization of FY2022 STIP/ Work Program in coordination with leadership.

Refine tools used for Harmonization.

- g) Refine current amendment process and tools to update program information quarterly.
- h) Refine prioritization and harmonization process and perform updates for the FY2023 STIP/ Work Program.
- i) Establish options to refine the current project lifecycle process to frame prioritization early on in the process ahead of design and funding for FY2023.
- j) Coordinate with Financial Management to establish roles, timelines, and coordination points throughout the year to ensure STIP/ WP list and Financial Management's lists are in alignment
- k) Coordinate with other NDOT divisions on STIP/ Work program process and prioritization and harmonization

General deliverables (to be detailed in each task order):

- *FY2022 Prioritization and Harmonization Results*
- *FY2023 Prioritization and Harmonization Results*
- *Tools to be used in each Prioritization/ Harmonization cycle*
- *Recommendations for updating STIP/ Work Program branding and outreach*
- *Recommendations for project lifecycle recommendations and where prioritization fits in, coordinated with financial management*

Task 5 – Ultimate Process, NDOT Training/ Maintenance

1. Attend and facilitate One Nevada working group meetings – biweekly.
2. Promote NDOT's Ultimate Vision for One Nevada Processes
 - a. Website updates
 - b. Sharepoint Documentation
 - c. Staff meetings
 - d. Peer to Peer coordination
 - e. Leadership Updates
3. Coordinate with NDOT's data-management effort to inform and adapt to the progress.
4. Establish GIS best-practices for transitioning data analysis components of One Nevada from the consultant to NDOT staff.
5. Prepare documentation for transitioning tasks to NDOT staff, required resources, and schedule cycles

General deliverables (to be detailed in each task order):

- *One Nevada website updates*
- *One Nevada Sharepoint documentation for internal staff*
- *One Nevada User Manuals for NDOT staff to own and maintain the One Nevada process in the future*

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): 111

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 Terry DeBiase Print Name Terry DeBiase
Manager of Projects 05/17/2021
 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

Jacobs Engineering Group Inc.
Information from Blueprint platform 05/17/2021

Appointments

Board Directors

Name	QuickRef	Position	Appointed
<u>Brooks, Vincent K.</u>	<u>BROOKS-VK</u>	Director	08/14/2020
<u>Demetriou, Steven J</u>	<u>DEMETRI-SJ</u>	Chair of the Board	07/28/2016
		Director	08/17/2015
<u>Eberhart, Ralph E.</u>	<u>EBERHAR-RE</u>	Director	09/27/2012
<u>Jr., R. C. Davidson</u>	<u>JR-RCD 00001</u>	Director	02/13/2001
<u>Kiser, Georgette D.</u>	<u>KISER-GD</u>	Director	05/29/2019
<u>Levinson, Linda Fayne</u>	<u>LEVINSO-LF</u>	Director	02/13/1996
<u>Loughran, Barbara</u>	<u>LOUGHRAN-B</u>	Director	05/29/2019
<u>McNamara, Robert</u>	<u>MCMAMARA-R</u>	Director	01/19/2017
<u>Robertson, Peter J.</u>	<u>ROBERTS-PJ</u>	Director	07/30/2009
<u>Thompson, Chris M.T.</u>	<u>THOMPSON-CM 1</u>	Director	11/15/2012

Officers

Name	QuickRef	Position	Appointed
<u>Adkisson, Jason</u>	<u>ADKISSON-J</u>	Assistant Secretary	11/19/2020
<u>Allen, William "Billy" B.</u>	<u>ALLEN-WB 001</u>	Senior Vice President and Chief Accounting Officer	10/13/2016
<u>Andrews, Madhuri</u>	<u>ANDREWS-M</u>	Chief Digital and Information Officer	11/14/2019
		Executive Vice President	01/27/2021
<u>Arnette, Stephen A.</u>	<u>ARNETTE-SA</u>	SVP & GM, CMS Advanced Engineering, Research & Ops (AERO)	01/18/2018
<u>Bello, Marius (Mark) F.</u>	<u>BELLO-MF</u>	Senior Vice President, Designated Project Executive	01/16/2020
<u>Berryman, Kevin Christopher</u>	<u>BERRYMA-KC</u>	President	11/14/2019
		Chief Financial Officer	01/05/2015
<u>Blackwood, Dennis</u>	<u>BLACKWOO-D</u>	Manager, California Engineering Operations	01/18/2018
<u>Bloom, Katie</u>	<u>BLOOM-K</u>	Designated person responsible for practice of Environmental	01/18/2018
<u>Bruning, Michael</u>	<u>BRUNING-M</u>	Manager, California Engineering Operations	01/18/2018
<u>Bunderson, Michael</u>	<u>BUNDERSO-M</u>	Vice President, Tax	05/29/2018
<u>Bussell, Scott</u>	<u>BUSSELL-S</u>	Vice President	01/17/2019

<u>Byers, Timothy</u>	<u>BYERS-T</u>	Sr Vice President & GM, Federal & Environmental Solutions	05/05/2020
<u>Carlin, Michael James</u>	<u>CARLIN-M_001</u>	Vice President Treasurer	01/17/2019 01/16/2020
<u>Caruso, Joanne E.</u>	<u>CARUSO-J</u>	Chief Administrative Officer Chief Legal Officer Executive Vice President	01/18/2018 11/07/2018 11/07/2018
<u>Cordtz, Kent</u>	<u>CORDTZ-K</u>	Manager, California Engineering Operations	01/18/2018
<u>Crawford, Bruce</u>	<u>CRAWFORD-B</u>	Senior Vice President, CMS Strategic Development	11/19/2020
<u>Delisle, Tina</u>	<u>DELISLE-T</u>	Senior Manager Payroll	02/01/2021
<u>Demetriou, Steven J</u>	<u>DEMETRI-SJ</u>	Chief Executive Officer	08/17/2015
<u>Doros, Jonathan</u>	<u>DOROS-J</u>	SVP, Financial Planning & Analysis, Investor Relations & Tre	11/19/2020
<u>Doyna, James</u>	<u>DOYNA-J_0001</u>	Sr Vice President, Finance, Critical Mission Solutions	03/18/2021
<u>Earsom, Deryl</u>	<u>EARSOM-D</u>	Assistant Secretary	11/19/2020
<u>Walstrom, Jan</u>	<u>ELLIS-JW</u>	Senior Vice President Global Market Director, Environmental	05/05/2020 05/05/2020
<u>Gilmartin, Kenneth</u>	<u>GILMARTI-K</u>	Executive Vice President, People & Places Solutions	11/14/2019
<u>Gustafson, Shelette M.</u>	<u>GUSTAFS-SM</u>	Executive Vice President	04/22/2021
<u>Hannigan, Marietta C.</u>	<u>HANNIGA-MC</u>	Executive Vice President Chief Strategy, Corp Development & Corporate Comms Officer	04/22/2021 11/19/2020
<u>Hansen, Taggart</u>	<u>HANSEN-T</u>	Sr Vice President, Deputy General Counsel & Internal Audit	05/05/2020
<u>Hanson, Robert</u>	<u>HANSON-R</u>	Manager, California Engineering Operations	06/01/2018
<u>Hendon, Brian Lee</u>	<u>HENDON-BL</u>	Designated person responsible for practice of Architecture i	01/18/2018
<u>Herlitzka, Scott</u>	<u>HERLITZK-S</u>	Vice President	05/16/2016
<u>Hicks, Rich</u>	<u>HICKS-R</u>	Manager, Ohio Engineering Operations	05/09/2018
<u>Hickton, Dawne Sepanski</u>	<u>HICKTON-DS</u>	COO Critical Mission Solutions Executive Vice President	01/16/2020 06/03/2019

<u>Hill, Patrick</u>	<u>HILL-P</u>	Executive Vice President, People & Places Solutions	01/16/2020
<u>Hooper, Cory</u>	<u>HOOPER-C</u>	Vice President, Florida Operations	12/17/2019
<u>Hsu, Mike</u>	<u>HSU-M</u>	Senior Director Tax	09/04/2019
<u>Johnson, Justin</u>	<u>JOHNSON-J</u>	Vice President	11/19/2020
		Secretary	07/09/2020
<u>Jones, Keith B.</u>	<u>JONES-KB</u>	Manager, Ohio Land Surveying Operations	05/09/2018
<u>Krishnan, Kosalram</u>	<u>KRISHNAN-K</u>	Manager, California Engineering Operations	01/18/2018
<u>Laity, Michael</u>	<u>LAITY-M</u>	Senior Director Tax	02/21/2020
<u>Lamb, Matt</u>	<u>LAMB-M</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>Lopez-Dubois, Miguel</u>	<u>LOPEZDUB-M</u>	Manager, California Engineering Operations	01/18/2018
<u>Maloney, Kevin</u>	<u>MALONEY-K</u>	Manager, California Engineering Operations	01/18/2018
<u>Meinhart, Thomas</u>	<u>MEINHART-T</u>	Senior Vice President, PPS, Americas (South)	11/14/2019
<u>Miller, Shannon</u>	<u>MILLER-S</u>	SVP, Enterprise Risk Management & HR Talent Management	11/19/2020
<u>Montellano, Victorino</u>	<u>MONTELLA-V</u>	Manager, California Engineering Operations	01/18/2018
<u>Morris, Gary</u>	<u>MORRIS-G</u>	Senior Vice President, PPS, Americas (North)	11/14/2019
<u>Morrison, Hugh Donald</u>	<u>MORRISO-HD</u>	Senior Vice President & GM, PPS Europe, Middle East & Africa	01/18/2018
<u>Nein, Brett</u>	<u>NEIN-B</u>	Vice President, Florida Landscape Architecture Operations	06/01/2018
<u>O'Connor, Kelly</u>	<u>OCONNOR-K</u>	Senior Vice President, Strategy & Project Delivery	05/02/2019
<u>Ostervold, Lars</u>	<u>OSTERVOL-L</u>	Managing Agent of Oklahoma Engineering Ops	03/15/2021
<u>Owens, John G.</u>	<u>OWENS-JG</u>	Designated Person Responsible Electrical Engineering in AK	02/27/2020
<u>Parent, Mark J.</u>	<u>PARENT-MJ</u>	Designated Person Responsible Structural Engineering in AK	02/27/2020
<u>Pragada, Robert V.</u>	<u>PRAGADA-RV</u>	President	11/14/2019
		Chief Operating Officer	11/07/2018

<u>Refinski, Elizabeth A.</u>	<u>REFINSK-EA</u>	Assistant Secretary	03/26/2009
<u>Richmond, Jennifer</u>	<u>RICHMOND-J</u>	Senior Vice President & General Manager, CMS ANS	05/05/2020
<u>Rosenfeld, Benjamin</u>	<u>ROSENFEL-B</u>	Manager, California Engineering Operations	01/18/2018
<u>Scarlat, Cristian</u>	<u>SCARLAT-C</u>	Manager, California Engineering Operations	01/18/2018
<u>Scher, Brian</u>	<u>SCHER-B</u>	Assistant Secretary	03/26/2009
<u>Sever, Jeffrey David</u>	<u>SEVER-JD</u>	Designated person responsible for practice of Mechanical Eng	06/28/2018
<u>Shelton, Brian R.</u>	<u>SHELTON-BR</u>	Senior Vice President, Critical Mission Solutions Finance	01/17/2019
<u>Strauss, Scott</u>	<u>STRAUSS-S</u>	Vice President - Authorized Signer	04/01/2019
<u>Thom, Chrissy</u>	<u>THOM-C</u>	Senior Vice President, Growth, Strategy & Solutions PPS	01/27/2021
<u>Tyler, Michael R.</u>	<u>TYLER-MR</u>	Chief Compliance Officer General Counsel Senior Vice President	01/17/2019 07/25/2013 07/25/2013
<u>Uchil, Vinay</u>	<u>UCHIL-V</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>Vadlamudi, Koti</u>	<u>VADLAMUD-K</u>	Senior Vice President & GM, Advanced Facilities, PPS	11/14/2019
<u>Wallace, Ronald</u>	<u>WALLACE-R</u>	Senior Vice President, Operations Support	09/02/2020
<u>Walter, Eric</u>	<u>WALTER-E</u>	Senior Vice President, Finance PPS	11/19/2020
<u>Warnock, William Kirkpatrick</u>	<u>WARNOCK-WK</u>	Manager, California Engineering Operations	01/18/2018
<u>Watson, Katus</u>	<u>WATSON-K</u>	Vice President, Florida Engineering Operations	09/24/2018
<u>White, Clive Thomas</u>	<u>WHITE-CT</u>	Senior Vice President, CMS International	05/05/2020
<u>Wiemelt, Karen</u>	<u>WIEMELT-K</u>	Senior Vice President & GM, CMS North America Nuclear	01/18/2018
<u>Williams, Ronald R.</u>	<u>WILLIAM-RR</u>	Senior Vice President, PPS, Americas (West)	11/14/2019
<u>Willis, Aaron</u>	<u>WILLIS-A</u>	Manager, California Land Surveying Operations	01/18/2018

<u>Wishart-Smith, Heather</u>	<u>WISHARTS-H</u>	SVP, Innovation & Jacobs Connected Enterprise	05/02/2019
<u>Wood, Mark</u>	<u>WOOD-M</u>	Manager, California Engineering Operations	01/18/2018
<u>Young, Scott E.</u>	<u>YOUNG-SE</u>	Managing Agent of Oklahoma Engineering Ops	03/15/2021
<u>Yox, Jeff</u>	<u>YOX-J</u>	Manager, California Engineering Operations	06/01/2018



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

MEMORANDUM

June 2, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: June 14, 2021 | Transportation Board of Directors Meeting

ITEM #6: 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 April 9, 2021 through May 13, 2021.
- Agreements under \$300,000 executed April 9, 2021 through May 13, 2021.
- Settlements entered into by the Department which were presented for approval to the Board of Examiners April 9, 2021 through May 13, 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

June 2, 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.

The attached construction contracts constitute all that were awarded for construction from April 9, 2021 through May 13, 2021 and agreements executed by the department from April 9, 2021 through May 13, 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, April 9, 2021 through May 13, 2021.
- B. State of Nevada Department of Transportation Executed Agreements – Informational, April 9, 2021 through May 13, 2021.

Recommendation for Board Action:

Informational item only

Prepared by:

Administrative Services Division

Attachment

A

**STATE OF NEVADA DEPARTMENT OF TRANSPORTATION
CONTRACTS AWARDED - INFORMATIONAL
April 9, 2021 through May 13, 2021**

1. April 1, 2021 at 1:30 PM the following bids were opened for Contract **3872**, Project No. SP-000M(295), on SR 856 and SR 401, in Pershing County, for bridge deck repair and overlay.

Q&D Construction LLC	\$538,500.00
MKD Construction, Inc.	\$789,777.00

Engineer's Estimate\$500,805.48

The Director awarded the contract on April 22, 2021 to Q & D Construction LLC, in the amount of \$538,500.00.

2. April 8, 2021 at 1:30 PM the following bids were opened for Contract **3869**, Project No. SPSR-0447(006), on SR 447, in Washoe County, for Chip Seal with areas of roadbed modification and patching.

Sierra Nevada Construction, Inc.	\$1,052,007.00
Intermountain Slurry Seal, Inc.	\$1,321,321.00

Engineer's Estimate\$1,337,507.47

The Director awarded the contract on April 22, 2021 to Sierra Nevada Construction, Inc. in the amount of \$1,052,007.00.

3. April 8, 2021 at 2:00 PM the following bids were opened for Contract **3870**, Project No. SPF-093-2(023), on US 93, in Lincoln County, for refresh striping.

Nevada Barricade and Sign Company, Inc.	\$1,970,655.00
--	----------------

Engineer's Estimate\$2,103,358.00

The Director awarded the contract on May 5, 2021 to Nevada Barricade and Sign Company, Inc. in the amount of \$1,970,655.00.

4. April 8, 2021 at 2:30 PM the following bids were opened for Contract **3871**, Project No. SP-000M(306), on I-15 and US-95, in Clark County and Nye County, for refresh striping.

Nevada Barricade and Sign Company, Inc.....\$2,210,075.00

Engineer's Estimate\$2,092,572.50

The Director awarded the contract on May 5, 2021 to Nevada Barricade and Sign Company, Inc. in the amount of \$2,210,075.00.

5. April 8, 2021 at 3:00 PM the following bids were opened for Contract **3873**, Project No. SPI-515-1(042), on I-515, in Clark County, for mill and fill interchange ramps on I-515 at Tropicana and Flamingo.

Las Vegas Paving Corporation.....\$1,048,000.00

Aggregate Industries SWR, Inc.\$1,330,000.00

Wells Cargo, Inc.\$1,712,092.00

Engineer's Estimate\$1,250,050.05

The Director awarded the contract on April 22, 2021 to Las Vegas Paving Corporation in the amount of \$1,048,000.00.

6. April 15, 2021 at 1:30 PM the following bids were opened for Contract **3875**, Project No. SP-000M(297), on SR 117, SR 715 and SR 723, in Churchill County, for slurry seal.

Intermountain Slurry Seal, Inc.....\$452,452.00

VSS International, Inc.\$504,120.00

Sierra Nevada Construction, Inc.\$524,007.00

Engineer's Estimate\$567,275.70

The Director awarded the contract on May 12, 2021 to Intermountain Slurry Seal, Inc. in the amount of \$452,452.00.

Attachment B

State of Nevada Department of Transportation
Executed Agreements - Informational
April 9, 2021 through May 13, 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	16621	00	CITY OF RENO	PURCHASE PROPERTY	N	\$374,000.00	-	-	\$374,000.00	-	04/21/2021	04/30/2026	-	Acquisition	Right-of-Way	Darin	Craig	04-21-21: ACQUISITION OF PROPERTY DESCRIBED AS PARCEL I-580-WA-025.597, FOR THE DESIGN-BUILD OF THE SPAGHETTI BOWL EXPRESS (SBX), ON I-80/I-580/US-395, WASHOE COUNTY. NV B/L#: NVD2002123227
2	16521	00	OLD REPUBLIC TITLE COMPANY	PURCHASE PROPERTY	N	\$227,400.00	-	-	\$227,400.00	-	04/20/2021	04/30/2026	-	Acquisition	Right-of-Way	Darin	Craig	04-20-21: ACQUISITION OF A SINGLE-FAMILY RESIDENCE ON PARCEL I-515-CL-071.665 NECESSARY FOR WIDENING OF CHARLESTON BOULEVARD AT 1-515 INTERCHANGE, CONSTRUCTION OF RAMP IMPROVEMENTS AT THE CHARLESTON BOULEVARD AND EASTERN AVENUE INTERCHANGES AND ADDING AUXILIARY LANES ON I-515 IN EACH DIRECTION BETWEEN CHARLESTON BOULEVARD AND EASTERN AVENUE, CLARK COUNTY. NV B/L#: NVD19911058693
3	17021	00	WILLOW STAY RANCH II, LLC	PERMANENT EASEMENT	Y	\$4,100.00	-	-	\$4,100.00	-	04/27/2021	04/30/2026	-	Acquisition	Right-of-Way	Darin	Craig	04-27-21: ONE (1) PERMANENT EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF A MULTI-USE PATH AND FIBER OPTIC FACILITIES, FOR PROJECT TAP-005(022), ON PARCEL 6B NEAR THE MARTIN SLOUGH, DOUGLAS COUNTY. NV B/L#: NVO20101732945
4	11721	00	DESERT BOILERS AND CONTROLS	EMERGENCY AGREEMENT - BOILER	N	\$19,866.00	-	-	\$19,866.00	-	04/23/2021	12/31/2021	-	Emergency	Architecture	Jenica	Anita	04-23-21: EMERGENCY AGREEMENT TO PROVIDE TEMPORARY HEATING TO PREVENT FREEZING UNTIL WARRANTY WORK CAN BE COMPLETED ON BOILER SYSTEM, CARSON CITY. NV B/L#: NVD19971189711-E
5	15721	00	NV ENERGY	LINE EXTENSION	Y	\$18,625.00	-	-	\$18,625.00	-	04/15/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-15-21: ELECTRICAL SERVICE TO POWER HIGH MAST LIGHTING (FOR THE FINAL PHASES OF DESIGN INITIATION AGREEMENT NM057-19-030, AND DESIGN APPROVAL AGREEMENT NM654-19-030), FOR THE PHASE 4 PROJECT ON I-15, LAS VEGAS, AT CC-215 NORTHERN BELTWAY INTERCHANGE, CLARK COUNTY. NV B/L#: NVD19831015840
6	15921	00	NV ENERGY	LINE EXTENSION	N	\$18,935.00	-	-	\$18,935.00	-	04/19/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-19-21: INSTALLATION OF ONE (1) NEW 1200A SERVICE PEDESTAL, TO POWER A NEW PAINT BOOTH TO BE CONSTRUCTED AT THE ELKO MAINTENANCE STATION IN DISTRICT III, ELKO COUNTY. NV B/L#: NVD19831015840
7	17221	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	\$1,000.00	-	-	\$1,000.00	-	05/12/2021	05/30/2026	-	Facility	Traffic Operations	Jenica	Rod	05-12-21: DESIGN ONE (1) NEW 200A SERVICE PEDESTAL WITHIN DEPARTMENT'S RIGHT-OF-WAY, TO SERVICE A NEW FIBER HUT FOR SLJ, NEXT TO THE CONTROL OF ACCESS FENCE ON EASTBOUND I-80, AT APPROXIMATE MILEPOST WA 32.03, WASHOE COUNTY. NV B/L#: NVD19831015840
8	15521	00	UNION PACIFIC RAILROAD COMPANY	PRELIMINARY ENGINEERING	N	\$25,000.00	-	-	\$25,000.00	-	04/14/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-14-21: PRELIMINARY ENGINEERING REQUIRED BY UNION PACIFIC RAILROAD TO REIMBURSE COSTS ASSOCIATED WITH PLAN REVIEW OF DEPARTMENT'S PROJECT, IMPACTING BRIDGE G-2012 CROSSING THE RAILROAD TRACKS ON STATE ROUTE 589, SAHARA OVER WESTERN/UPRR/SAMMY DAVIS JR DRIVE: DESERT INN OVER I-15; AND DESERT INN OVER HIGHLAND DRIVE/UPRR/SAMMY DAVIS JR DRIVE, CLARK COUNTY. NV B/L#: NVF19691003146
9	16421	00	UNION PACIFIC RAILROAD COMPANY	PRELIMINARY ENGINEERING	N	\$25,000.00	-	-	\$25,000.00	-	04/26/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-26-21: TO REIMBURSE COSTS ASSOCIATED WITH PLAN REVIEW OF THE DEPARTMENT'S PROJECT IMPACTING BRIDGE G-1064, CROSSING THE UNION PACIFIC RAILROAD TRACKS ON STATE ROUTE 589, SAHARA OVER WESTERN/UPRR/SAMMY DAVIS JR DRIVE: DESERT INN OVER I-15; AND DESERT INN OVER HIGHLAND DRIVE/UPRR/SAMMY DAVIS JR DRIVE, CLARK COUNTY. NV B/L#: NVF19691003146
10	12421	00	BOARD OF REGENTS, NEVADA SYSTEM OF HIGHER EDUCATION	ROAD ASSET MANAGEMENT	N	\$200,000.00	-	-	\$200,000.00	-	05/11/2021	12/31/2022	-	Interlocal	Maintenance and Asset Management	Jenica	Anita	05-11-21: TO PROVIDE TECHNICAL ASSISTANCE ON AREAS THAT ARE CONSIDERED CRITICAL FOR ROAD MAINTENANCE AND ROAD ASSET MANAGEMENT IN ORDER TO EXTEND THE LIFE OF PAVEMENTS AND PROVIDE A SAFE AND COMFORTABLE RIDE FOR ROAD USERS, STATEWIDE. NV B/L#: EXEMPT
11	21521	00	FAEGRE BD CONSULTING	MILEAGE-BASED USER FEE ALLIANCE (MBUFA) MEMBERSHIP DUES	Y	\$5,500.00	-	-	\$5,500.00	-	05/04/2021	01/01/2022	-	License	Performance Analysis	Sondra	Peter	05-04-21: MEMORANDUM OF UNDERSTANDING FOR ANNUAL MEMBERSHIP DUES FOR EDUCATIONAL INFORMATION REGARDING IMPLEMENTATION OPTIONS ON MILEAGE BASED USER FEE (MBUF) OR VEHICLE MILES TRAVELED (VMT) FEE, STATEWIDE. NV B/L#: EXEMPT
12	06321	00	NYE COUNTY SHERIFF'S OFFICE	CRASH DATA IMPROVEMENTS	Y	\$612,505.12	-	-	\$612,505.12	\$271,537.00	05/04/2021	09/30/2021	-	Interlocal	Safety	Fred	Sondra	05/04/21: REPLACEMENT AND UPGRADES TO LAW ENFORCEMENT CRASH REPORTING AND CITATION EQUIPMENT TO MORE EFFICIENTLY INTEGRATE INTO THE STATEWIDE REPORTING SYSTEM AND RECORD HIGHER QUALITY AND MORE TIMELY DATA USED FOR ANALYSIS BY VARIOUS STATEWIDE AGENCIES, NYE COUNTY. NV B/L#: EXEMPT
13	15321	00	CITY OF RENO	PERMANENT EASEMENT	N	\$2,000.00	-	-	\$2,000.00	-	04/12/2021	04/30/2026	-	ROW Access	Right-of-Way	Darin	Craig	04-12-21: TO GRANT A PERMANENT AERIAL EASEMENT AND RIGHT-OF-WAY FOR CONSTRUCTION, MAINTENANCE AND RECONSTRUCTION OVER AND ACROSS CERTAIN REAL PROPERTY ON PARCEL I-580-WA-025.589PE1, WASHOE COUNTY. NV B/L#: EXEMPT
14	13321	00	ACHA CONSTRUCTION, LLC	INSTALL SECURITY LIGHTING	N	\$156,953.00	-	-	\$156,953.00	-	05/11/2021	12/31/2021	-	Service Provider	District III	Jeff	Boyd	05-11-21: INSTALLATION OF SECURITY LIGHTING NECESSARY FOR PARKING LOT SAFETY AND SECURITY AT THE DEPARTMENT'S DISTRICT III HEADQUARTERS, ELKO COUNTY. NV B/L#: NVD20091375725-Q PROPOSERS: ACHA CONSTRUCTION, LLC, MKD CONSTRUCTION, INC., AND PAR ELECTRICAL
15	09921	00	ANNIE'S JANITORIAL SUPPLY	JANITORIAL SERVICES	N	\$175,000.00	-	-	\$175,000.00	-	04/14/2021	12/31/2023	-	Service Provider	District II	Jeff	Mike	04-14-21: JANITORIAL SERVICES AT THE FALLON AND FERNLEY MAINTENANCE YARDS, CHURCHILL AND LYON COUNTIES. NV B/L#: NVSP20131145514-Q PROPOSERS: ANNIE'S JANITORIAL SUPPLY
16	11521	00	APPLIED PAVEMENT TECHNOLOGY, INC.	TRANSPORTATION ASSET MANAGEMENT (TAM) LOCAL GOVERNMENT AGENCIES (LGA) TRAINING	Y	\$12,500.00	-	-	\$12,500.00	-	04/14/2021	12/31/2021	-	Service Provider	Maintenance and Asset Management	Jenica	Anita	04-14-21: TO PROVIDE TRANSPORTATION ASSET MANAGEMENT (TAM) TRAINING TO LOCAL GOVERNMENT AGENCIES (LGA) FOR SELECTION OF PROJECTS AND TREATMENTS TO IMPROVE APPROACH TO ROAD MANAGEMENT, STATEWIDE. NV B/L#: NVF20001200517-S
17	23421	00	BUILDING CONTROL SERVICES	REMOVE AND REPLACE VARIABLE FREQUENCY DRIVES	N	\$33,500.00	-	-	\$33,500.00	-	05/11/2021	06/30/2021	-	Service Provider	Buildings and Grounds	Felicia	James	05-11-21: REMOVAL OF FOUR (4) ANTIQUATED VARIABLE FREQUENCY DRIVES LOCATED IN THE DEPARTMENT'S HEADQUARTERS BUILDING AND INSTALL NEW ABB VARIABLE FREQUENCY DRIVES (VFD), INCLUDING PROGRAMMING START-UP AND TESTING, CARSON CITY. NV B/L#: NVD20161538859-Q
18	14621	00	EST COMPANIES, LLC	WASH PAD COVER INSTALLATION	N	\$11,507.94	-	-	\$11,507.94	-	04/14/2021	12/31/2021	-	Service Provider	Architecture	Jenica	Anita	04-14-21: INSTALL NEW COVER FOR THE TONOPAH MAINTENANCE STATION WASH PAD, NYE COUNTY. NV B/L#: NVF20191640693-Q PROPOSERS: EST COMPANIES, LLC
19	53520	00	FISHER EXCAVATION, LLC	CONSTRUCT WATER PIPES AND VALVES	N	\$56,500.00	-	-	\$56,500.00	-	04/11/2021	08/31/2021	-	Service Provider	Architecture	Jenica	Anita	04-11-21: CONSTRUCT NEW (3/4", 1-1/4", 1-1/2") WATER DISTRIBUTION PIPE, VALVES, AND CONNECTIONS TO FIVE (5) EXISTING RESIDENCES, ALONG WITH AN ON-SITE SEWAGE DISPOSAL SYSTEM AT THE COLD SPRINGS MAINTENANCE STATION, 52300 AUSTIN HIGHWAY (US-50 EAST), MILEPOST CH 81.605, CHURCHILL COUNTY. NV B/L#: NVD20161149819-Q

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20	12021	00	GRANITE CONSTRUCTION COMPANY	ON-CALL CONCRETE BARRIER RAIL REPAIRS	N	\$250,000.00	-	-	\$250,000.00	-	05/10/2021	06/30/2022	-	Service Provider	District II	Jeff	Mike	05-10-21: ON-CALL SERVICES TO REPAIR DAMAGED CONCRETE BARRIER RAIL WITHIN CARSON CITY, WASHOE, DOUGLAS, LYON, STOREY, MINERAL, PERSHING, AND CHURCHILL COUNTIES. NV B/L#: NVF19631001612-Q PROPOSERS: GRANITE CONSTRUCTION COMPANY
21	20621	00	HANSON'S COMMERCIAL WATER	REPLACE WATER SYSTEMS	N	\$12,163.36	-	-	\$12,163.36	-	05/06/2021	04/30/2022	-	Service Provider	District I	Jeff	Mario	05-06-21: REPLACE THE REVERSE OSMOSIS SYSTEM AND WATER TANK IN BUILDING D, AT THE LAS VEGAS NORTH MAINTENANCE STATION, CLARK COUNTY. NV B/L#: NVD20151490784-SQ
22	05420	02	INFO TECH, INC., DBA INFOTECH	CLOUD-BASED HOSTING	N	\$157,500.00	\$26,250.00	\$13,125.00	\$196,875.00	-	03/27/2020	06/30/2021	05/04/2021	Service Provider	Construction	Darin	Sam	AMD 2 05-04-21: INCREASE AUTHORITY BY \$13,125.00 FROM \$183,750.00 TO \$196,875.00 DUE TO A MISCALCULATION ON THE AMOUNT NECESSARY TO CONTINUE CLOUD-BASED HOSTING SERVICES, STATEWIDE. AMD 1 03-11-21: TO EXTEND THE TERMINATION DATE FROM 04-30-21 TO 06-30-21 AND INCREASE AUTHORITY BY \$26,250.00 FROM \$157,500.00 TO \$183,750.00 NECESSARY TO CONTINUE CLOUD-BASED HOSTING SERVICES, STATEWIDE. 03-27-20: CLOUD-BASED HOSTING OF AASHTOWARE PROJECT CONSTRUCTION AND MATERIALS APPLICATION, STATEWIDE. NV B/L#: NVF20121317852-S
23	21621	00	INNOVATIVE FLOORING, LLC	REMOVE AND REPLACE FLOORING	N	\$25,996.73	-	-	\$25,996.73	-	05/05/2021	12/31/2022	-	Service Provider	Architecture	Jenica	Anita	05-05-21: TO REMOVE AND REPLACE CARPET AND VINYL FLOORING IN VARIOUS BUILDINGS AND CREW TRAILERS AT THE DEPARTMENT'S SOUTH YARD, NORTH YARD, THE MOUNT CHARLESTON YARD, AND AN ADDITIONAL ROOM AT 420 NORTH 8TH STREET IN DISTRICT I, CLARK COUNTY. NV B/L#: NVD20191564522-SQ
24	14221	00	KIMLEY-HORN AND ASSOCIATES, INC.	RESEARCH STUDY	Y	\$225,823.00	-	-	\$225,823.00	-	04/26/2021	07/31/2023	-	Service Provider	Research	Sondra	Bob	04-26-21: RESEARCH STUDY TO DETERMINE THE FEASIBILITY OF IMPLEMENTING PEDESTRIAN HYBRID BEACON (PHB) SIGNALS FOR IMPROVING SAFETY AND MOBILITY IN NEVADA AND SAFETY IMPROVEMENT IMPACTS OF IMPLEMENTING PHB SIGNALS, STATEWIDE. NV B/L#: NVF19911015458-R
25	23021	00	NEVADA CHILLER AND BOILER, INC.	MAINTENANCE FOR WATER COOLER	N	\$4,776.00	-	-	\$4,776.00	-	05/11/2021	07/31/2023	-	Service Provider	Buildings and Grounds	Felicia	James	05-11-21: PROVIDE PREVENTATIVE MAINTENANCE FOR DEPARTMENT HEADQUARTERS 250-TON WATER COOLED CHILLER, CARSON CITY. NV B/L#: NVD20151141050-SQ
26	22921	00	SHI INTERNATIONAL CORPORATION	CLOUD-BASED NETWORK ASSESSMENT	N	\$77,856.00	-	-	\$77,856.00	-	05/06/2021	03/15/2022	-	Service Provider	Information Technology	Felicia	Dave	05-06-21: NETWORK ASSESSMENT AND PLANNING OF AZURE ADVANCED NETWORKING CLOUD & DATA CENTER, CARSON CITY COUNTY. NV B/L#: EXEMPT
27	10121	00	SIERRA NEVADA CONSTRUCTION, INC.	COLDMILL AND REPAVE ROADWAY	N	\$129,007.00	-	-	\$129,007.00	-	04/20/2021	12/31/2021	-	Service Provider	District II	Jeff	Mike	04-20-21: REPAIR POTHOLES AND DAMAGED ROADWAY, WITH A TWO (2) INCH COLDMILL, AND REPAVE DAMAGED ROADWAY SECTIONS FROM APPROXIMATELY MILEPOST CC 11.90 TO MILEPOST 14.70, EAST AND WESTBOUND ON US 50 EAST, CARSON CITY COUNTY. NV B/L#: NVD19881009372-Q PROPOSERS: SIERRA NEVADA CONSTRUCTION, INC., COLBRE GRADING & PAVING OF NV, INC., AND GRANITE CONSTRUCTION COMPANY
28	11221	00	SIERRA NEVADA CONSTRUCTION, INC.	REPLACE CULVERTS	N	\$248,007.00	-	-	\$248,007.00	-	05/10/2021	12/31/2021	-	Service Provider	Maintenance and Asset Management	Jenica	Anita	05-10-21: TO REPLACE CULVERTS ON US-6 AT MILEPOSTS 103.62, 103.74, AND 103.86, NYE COUNTY. NV B/L#: NVD19881009372-Q PROPOSERS: SIERRA NEVADA CONSTRUCTION, INC., AND MKD CONSTRUCTION, INC.
29	20921	00	SILVER STATE PETROLEUM	UPGRADE STAGE II FUEL PUMPS	N	\$3,818.00	-	-	\$3,818.00	-	05/13/2021	04/20/2022	-	Service Provider	District I	Jeff	Mario	05-13-21: UPGRADES TO THE FUEL PUMP HOSES AND NOZZLES AT THE LAS VEGAS SOUTH MAINTENANCE STATION, CLARK COUNTY. NV B/L#: NVD19801006616-SQ
30	09021	00	TAB CONTRACTORS, INC.	REPLACE CORRUGATED METAL PIPE	N	\$258,285.00	-	-	\$258,285.00	-	04/12/2021	03/31/2022	-	Service Provider	District I	Jeff	Mario	04-12-21: REMOVAL AND REPLACEMENT OF ONE (1) ERODED 24" CORRUGATED METAL PIPE (CMP) CULVERT, ON STATE ROUTE 170, BETWEEN MILEPOST 3.0 AND MILEPOST 5.0, CLARK COUNTY. NV B/L#: NVD19841002404-Q PROPOSERS: TAB CONTRACTORS, INC., ROWLEY CONTRACTING, PATRIOT ENTERPRISES, AND MKD CONSTRUCTION, INC
31	22021	00	UTILITY SERVICES, INC.	REPLACE PRESSURE TANK	N	\$6,569.00	-	-	\$6,569.00	-	05/10/2021	04/30/2022	-	Service Provider	District I	Jeff	Mario	05-10-21: REPLACE THE PRESSURE TANK AND NECESSARY ACCOUTREMENTS AT THE GLENDALE BOOSTER STATION OFF OF I-15, AT MILEPOST 93, CLARK COUNTY. NV B/L#: NVD20151346843-SQ

NO COST AGREEMENTS AND/OR AMENDMENTS

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32	21121	00	NYE COUNTY	PROVIDE SHELTER AND TOWER SPACE	N	-	-	-	-	-	04/26/2021	06/30/2024	-	Cooperative	Traffic Operations	Jenica	Rod	04-26-21: NO COST AGREEMENT TO PROVIDE SHELTER AND TOWER SPACE AT AMARGOSA VALLEY COMMUNICATION SITE FOR P25 AND NCRN RADIO EQUIPMENT, NYE COUNTY. NV B/L#: EXEMPT
33	11021	00	BLOCKCHAINS COMMUNICATIONS, LLC	NON-INTERSTATE TELECOMMUNICATIONS	N	-	-	-	-	-	04/19/2021	04/19/2026	-	Facility	Traffic Operations	Jenica	Rod	04-19-21: NO COST AGREEMENT FOR A NON-INTERSTATE TELECOMMUNICATIONS MASTER LICENSE TO ALLOW SHARING OF TELECOMMUNICATIONS FACILITIES BETWEEN BLOCKCHAINS COMMUNICATIONS, LLC AND THE DEPARTMENT, STOREY AND LYON COUNTIES. NV B/L#: NVD20181340496
34	11121	00	BLOCKCHAINS COMMUNICATIONS, LLC	SHARING OF TELECOMMUNICATIONS FACILITIES	N	\$135,870.00	-	-	-	\$135,870.00	04/21/2021	04/21/2026	-	Facility	Traffic Operations	Jenica	Rod	04-21-21: NO COST AGREEMENT TO ALLOW SHARING OF TELECOMMUNICATIONS FACILITIES FOR SPECIFIC LOCATIONS BETWEEN BLOCKCHAINS COMMUNICATIONS, LLC AND THE DEPARTMENT, STOREY AND LYON COUNTIES. NV B/L#: NVD20181340496
35	16921	00	CHURCHILL COUNTY TELEPHONE	OCCUPANCY PERMIT	N	-	-	-	-	-	04/27/2021	04/30/2046	-	Facility	Right-of-Way	Darin	Craig	04-27-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT FOR USE OR OCCUPANCY OF THE STATE'S RIGHT-OF-WAY UNDER PERMIT NUMBER 213529, ON STATE ROUTE 227 FROM MILEPOST 3.8 TO MILEPOST 13.5, CHURCHILL COUNTY. NV B/L#: EXEMPT
36	16321	00	COX COMMUNICATIONS LAS VEGAS, INC	OCCUPANCY PERMIT	N	-	-	-	-	-	04/19/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-19-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213494, ON STATE ROUTE 147 AT MILEPOST 6.47, CLARK COUNTY. NV B/L#: EXEMPT
37	16021	00	MCIMETRO ACCESS TRANSMISSION	OCCUPANCY PERMIT	N	-	-	-	-	-	04/20/2021	04/30/2046	-	Facility	Right-of-Way	Darin	Craig	04-20-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213422, ON US 95 FROM MILEPOST 78.62 TO MILEPOST 78.85, CLARK COUNTY. NV B/L#: EXEMPT
38	16121	00	MCIMETRO ACCESS TRANSMISSION	OCCUPANCY PERMIT	N	-	-	-	-	-	04/19/2021	04/30/2046	-	Facility	Right-of-Way	Darin	Craig	04-19-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213302, ON STATE ROUTE 592 FROM MILEPOST 23.99 TO MILEPOST 24.11, CLARK COUNTY. NV B/L#: EXEMPT
39	16221	00	MCIMETRO ACCESS TRANSMISSION	OCCUPANCY PERMIT	N	-	-	-	-	-	04/19/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-19-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213291, ON STATE ROUTE 157 FROM MILEPOST 20.34 TO MILEPOST 21.04, CLARK COUNTY. NV B/L#: EXEMPT
40	16821	00	MCIMETRO ACCESS TRANSMISSION	OCCUPANCY PERMIT	N	-	-	-	-	-	04/22/2021	04/30/2046	-	Facility	Right-of-Way	Darin	Craig	04-22-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213275, ON STATE ROUTE 599 FROM MILEPOST 6.69 TO MILEPOST 6.70, CLARK COUNTY. NV B/L#: EXEMPT
41	15221	00	NV ENERGY	MANHOLE AND VALVE COVERS	Y	\$1,725.00	-	-	-	\$1,725.00	04/12/2021	04/30/2026	-	Facility	Right-of-Way	Darin	Craig	04-12-21: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS IMPACTING THE DEPARTMENT PROJECT SPSR-0159(018), ON STATE ROUTE 159 (CHARLESTON BOULEVARD), FROM HONOLULU STREET TO SACRAMENTO DRIVE, CLARK COUNTY. NVB/L#: NVD19831015840
42	15621	00	PAIUTE PIPELINE COMPANY	MANHOLE AND VALVE COVERS	N	-	-	-	-	-	04/14/2021	04/30/2021	-	Facility	Right-of-Way	Darin	Craig	04-14-21: NO COST AGREEMENT TO ADJUST MANHOLE AND VALVE COVERS FOR A FOUR (4) INCH MILL TO THE ROADWAY, WITH A THREE (3) INCH PBS, AND ONE (1) INCH OPEN-GRADE OVERLAY, FOR UPGRADE OF ADA RAMPS AND SIDEWALKS, MULTIPLE HYDRAULIC AND STORM DRAIN IMPROVEMENTS, INSTALLATION OF AN ITS TRUNK-LINE, AND THE 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#: NVD19871018558
43	15821	00	SPECTRUM PACIFIC WEST, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	04/16/2021	04/30/2046	-	Facility	Right-of-Way	Darin	Craig	04-16-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213348, ON STATE ROUTE 877 AT MILEPOST 1.3, WASHOE COUNTY. NV B/L#: EXEMPT
44	16721	00	ZAYO GROUP	OCCUPANCY PERMIT	N	-	-	-	-	-	04/23/2021	03/31/2046	-	Facility	Right-of-Way	Darin	Craig	04-23-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 212696, ON STATE ROUTE 648 FROM MILEPOST 0.56 TO MILEPOST 0.58, WASHOE COUNTY. NV B/L#: EXEMPT
45	17121	00	ZAYO GROUP	OCCUPANCY PERMIT	N	-	-	-	-	-	05/11/2021	05/31/2046	-	Facility	Right-of-Way	Darin	Craig	05-11-21: NO COST AGREEMENT FOR OCCUPANCY PERMIT UNDER PERMIT NUMBER 213565, ON STATE ROUTE 573 FROM MILEPOST 31.46 TO MILEPOST 31.75, CLARK COUNTY. NV B/L#: EXEMPT
46	09721	00	CLARK COUNTY DEPARTMENT OF PUBLIC WORKS	USE OF COUNTY RIGHT-OF-WAY	N	-	-	-	-	-	04/08/2021	12/31/2022	-	Interlocal	Project Management	Darin	Nick	04-08-21: NO COST AGREEMENT TO PROVIDE FOR CONDITIONS RELATING TO THE USE OF COUNTY RIGHT-OF-WAY TO REPLACE THE EXISTING STRUCTURALLY DEFICIENT SUPERSTRUCTURE OF THE I-515 BRIDGE OVER DESERT INN ROAD, CLARK COUNTY. NV B/L#: EXEMPT
47	20321	00	LINCOLN COUNTY ROAD DEPARTMENT	HIGHWAY AND ROADWAY MAINTENANCE	N	-	-	-	-	-	04/26/2021	04/01/2026	-	Interlocal	District I	Jeff	Mario	04-26-21: NO COST AGREEMENT FOR HIGHWAY/ROADWAY NETWORK MAINTENANCE AND REPAIRS, AND DEFINING MAINTENANCE ROLES AND RESPONSIBILITIES, LINCOLN COUNTY. NV B/L#: EXEMPT
48	20521	00	TUCKER CARTER	EMPLOYEE HOUSE LEASE	N	\$2,900.00	-	-	-	\$2,900.00	05/05/2021	04/05/2025	-	Lease	District I	Jeff	Mario	05-05-21: NO COST AGREEMENT EMPLOYEE LEASE OF HOUSE #1, AN UNFURNISHED DWELLING AT THE BLUE JAY MAINTENANCE STATION, NYE COUNTY. NV B/L#: EXEMPT
49	15421	00	FLAMINGO RANCH, LLC	MULTI-USE LICENSE	N	\$1,000.00	-	-	-	\$1,000.00	04/19/2021	04/30/2026	-	License	Right-of-Way	Darin	Craig	04-19-21: NO COST AGREEMENT FOR MULTI-USE LICENSE FOR PARKING AND LANDSCAPING, FOR PROJECT RF-TQF-006-2(10), ON PARCEL U-095-CL-041.758L11, CLARK COUNTY. NVB/L#: NVD20041254282
50	09421	00	WHITE CLOUD NETWORKS NV, LLC	SHARING OF TELECOMMUNICATIONS FACILITIES	N	-	-	-	-	-	05/05/2021	05/05/2026	-	License	Traffic Operations	Jenica	Rod	05-05-21: NO COST AGREEMENT TO ALLOW SHARING OF TELECOMMUNICATIONS FACILITIES BETWEEN WHITECLOUD NETWORKS NV, LLC AND THE DEPARTMENT ALONG STATE ROUTE 227, LAMOILLE HIGHWAY, ELKO COUNTY. NV B/L#: NVF20201759606
51	30920	01	BENEFICIAL DESIGNS, INC.	AMERICANS WITH DISABILITIES ACT (ADA) DATA COLLECTION	N	\$275,000.00	-	-	\$275,000.00	-	10/27/2020	03/01/2022	04/19/2021	Service Provider	Contract Compliance	Cole	Sonnie	AMD 1 04-19-21: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 06-30-20 TO 03-01-22 DUE TO INCREASED WORKLOAD FROM COVID-19 PANDEMIC. 10-27-20: STATEWIDE DATA COLLECTION OF AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS FOR REST AREAS AND TRANSMIT COLLECTED DATA TO ARCGIS, STATEWIDE. NV B/L#: NVD20001468715-R

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
52	08921	01	D&B PROFESSIONAL CLEANING	JANITORIAL SERVICES	N	\$63,460.08	-	-	\$63,460.08	-	03/16/2021	07/14/2023	04/30/2021	Service Provider	District III	Jeff	Boyd	AMD 1 04-30-21: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 07-14-21 TO 07-14-23 TO CORRECT END DATE ON ORIGINAL AGREEMENT. 03-16-21: JANITORIAL SERVICES AT THE PEQUOP SUMMIT REST STOP (RP 813 EL), EASTBOUND AND WESTBOUND SIDES OF I-80 BETWEEN WELLS AND WENDOVER, MILEPOST 95.32, AND THE EASTBOUND TRUCK PARKING AREA ON I-80, 1 MILE EAST OF WELLS AT MILEPOST 76.40, ELKO COUNTY, NV B/L#: NVGP20101094756-Q
53	04320	02	DOCUSIGN, INC.	DOCUSIGN TRAINING	N	\$41,650.00	-	-	\$41,650.00	-	02/12/2020	10/31/2021	04/30/2021	Service Provider	Administrative Services	Felicia	Maya	AMD 2 04-30-21: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 04-30-21 TO 10-31-21 TO ALLOW FOR CONTINUATION OF SERVICES. ADDITIONAL TIME AND FUNDING ARE NOT ANTICIPATED. AMD 1 12-15-20: NO COST AMENDMENT TO EXTEND TERMINATION DATE FROM 12-15-20 TO 04-30-21 TO ALLOW FOR CONTINUATION OF SERVICES STATEWIDE. 02-12-20: TRAINING ON DOCUSIGN'S GUIDED FORMS TO PROVIDE TECHNOLOGIES THAT ENABLE THE USER TO DELIVER A GUIDED, DIGITAL, AND MOBILE-FRIENDLY PLATFORM THAT RESULTS IN A FASTER AND EFFICIENT EXPERIENCE FOR ALL USERS. NV B/L#: NVF20201770545-S
54	38120	01	NORTH RIDGE CONSULTING	AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE MONITORING SERVICES	N	\$150,000.00	-	-	\$150,000.00	-	12/28/2020	12/31/2021	04/12/2021	Service Provider	Contract Compliance	Cole	Sonnie	AMD 1 04-12-21: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 06-30-21 TO 12-31-21 DUE TO DELAYS FROM AN INCREASED WORKLOAD OF AMERICANS WITH DISABILITIES ACT (ADA) PROGRAM COMPLIANCE QUALITY CONTROL AND ASSURANCE ON COMPLETED DEPARTMENT PROJECTS. 12-28-20: AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE MONITORING SERVICES TO ENSURE ADA REGULATIONS AND DEPARTMENT REQUIREMENTS ARE BEING MET, AND PROVIDE SUPPORT AND TRAINING TO CONSTRUCTION CREW INSPECTORS ON ADA REGULATIONS AND USE OF THE DEPARTMENT'S GEOGRAPHIC INFORMATION SYSTEM (GIS) COLLECTOR APPLICATION, STATEWIDE. NV B/L#: NVF20201925458-R
55	07519	02	TIMMONS GROUP, INC.	GEOGRAPHIC INFORMATION SYSTEM (GIS) SUPPORT SERVICES	N	\$285,000.00	-	-	\$285,000.00	-	01/29/2019	06/30/2022	05/12/2021	Service Provider	Information Technology	Felicia	Dave	AMD 2 05-12-21: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 06-30-21 TO 06-30-22 DUE TO THE NEED FOR CONTINUED SUPPORT FOR ARCGIS AND ESRI SYSTEMS. AMD 1 01-31-20: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 06-30-20 TO 06-30-21 DUE TO THE DEPARTMENT'S NEED FOR CONTINUED SUPPORT AND ADMINISTRATION. 01-29-19: INSTALLATION OF NEW SOFTWARE AND IMPLEMENTATION OF ARCGIS FOR PORTAL AND REVIEW OF CURRENT OPERATIONS, CARSON CITY. NV B/L#: NVF20141168085
56	07620	01	WSP USA, INC.	DATA ANALYSIS AND INTEGRATION	Y	\$96,026.56	-	-	\$96,026.56	-	10/16/2020	06/30/2021	04/23/2021	Service Provider	Performance Analysis	Sondra	Peter	AMD 1 04-23-21: NO COST AMENDMENT TO EXTEND THE TERMINATION DATE FROM 04-26-21 TO 06-30-21 DUE TO ADDITIONAL TIME NEEDED TO COMPLETE THE ADMINISTRATIVE PROCESSING OF THE PROJECT. 10-16-20: DATA ANALYSIS AND DATA INTEGRATION OF FUEL AND OTHER RELATED ROADWAY DATA IN DIFFERENT FORMATS SCHEMA FROM A VARIETY OF SOURCES, STATEWIDE. NV B/L#: NVD19911025871-R



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

MEMORANDUM

June 1, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: June 14, 2021 | Transportation Board of Directors Meeting

ITEM #7: Consideration of Approval to Replace Equipment in Excess of \$50,000 in Accordance with NRS 408.389- *For possible action.*

Summary:

NDOT has Legislative approval to procure new vehicles as described below for vehicle replacement. In addition to Legislative approval, NDOT Transportation Board of Directors approval is required for the procurement of vehicles and equipment that exceed \$50,000 in cost.

This item requests that the Board approve the replacement of a vehicle not previously included in the Fiscal Year 2021 equipment purchases.

Background:

NRS 408.389 states that the Department shall not purchase any equipment which exceeds \$50,000, unless the purchase is first approved by the Board. The Legislature approved new, replacement, and additional equipment for purchase and, in September 2020, the Board approved the equipment purchases for Fiscal Year 2021.

The replacement criteria for fleet vehicles is based on age and/or mileage. Each class has specific replacement criteria; however, the Department has discretion in identifying vehicles to be replaced. For example, if a vehicle is experiencing excessive repair or maintenance costs, it may be replaced before age and/or mileage criteria are met in order to achieve our mission objectives.

Analysis:

A new cab and chassis is needed for an oil distributor truck that was damaged beyond repair in a crash.

MEMORANDUM

Department of Transportation Board of Directors

June 1, 2021

Page 2 of 2

There are remaining funds in the equipment replacement budget.

The deadline to submit a bid submittal to State Purchasing for equipment is May 26, 2021 for State Fiscal Year 2021. The Equipment Division coordinated with State Purchasing to submit this bid prior to Board approval in order to utilize the remaining funds for this unanticipated need. If Board approval is not received, the requisition will be cancelled.

The vehicle for which the Department is requesting approval to purchase is listed in Attachment A. An analysis of the fiscal impact of the options for obtaining vehicles including purchasing, leasing, or contracting out the work has been done. The details of that analysis are included in Attachment B. As a result of the analysis, the Department has concluded that purchase of necessary vehicles is the most appropriate use of tax-payer dollars.

List of Attachment(s):

- A. List of Vehicles greater than \$50,000 in cost.
- B. Cost Analysis for vehicles greater than \$50,000 in cost.

Recommendation for Board Action:

Approve purchase of the new vehicle listed in Attachment A.

Prepared by:

Jenica Keller, Assistant Director Operations

Attachment A

List of Units Replaced greater than \$50,000 in cost

FY 21 Reconciliation

Old Unit #	New Unit #	MCC	Description	Loc	Budgetary \$\$
E710 Replacement Over 50K Board Approval Required					
2804	1828	28	Maintenance Distributor Truck	C170	\$135,000



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MEMORANDUM

May 5, 2021

TO: Department of Transportation Board of Directors

FROM: Kristina Swallow, P.E., Director

SUBJECT: June 14, 2021 | Transportation Board of Directors Meeting

ITEM #8 Consideration of Approval of a Resolution of Abandonment of a portion of land lying within SR-582 (Boulder Hwy.), near Pioneer Street, in the City of Henderson, Clark County, State of Nevada, ABD 20-01 - *For possible action.*

Summary:

- This item asks the Board to adopt a resolution of abandonment of the Department's easement interest a portion of land lying within SR-582 (Boulder Hwy.), in the City of Henderson, Clark County, State of Nevada .
- The portion to be abandoned, designated Parcel number S-582-CL-003.100 XS1, is an easement interest only that had been granted to the State by the Bureau of Land Management. The parcel consists of approximately 30,304 sq. ft. of vacant land depicted on the attached sketch map labeled Exhibit "B".

Background:

On January 31, 1950, the State was granted a highway right-of-way easement by the Bureau of Land Management for construction project F006-1. There was no cost associated with the grant of this highway right-of-way.

On April 8, 2019, the City of Henderson requested abandonment of this parcel for trail and parking lot improvements on the Boulder Highway.

On June 30, 2020, the Surplus Property Committee approved the surplus action.

Analysis:

The abandonment of the Department's easement interest in this segment of highway is being made in accordance with NRS 408.523, pertinent portions are below (entire statute attached).

MEMORANDUM

Department of Transportation Board of Directors

May 5, 2021

Page 2 of 2

NRS 408.523 Summary vacation and abandonment of portion of state highway superseded by relocation or in excess of needs; resolution of Board; recordation.

1. *The Board may retain or may summarily vacate and abandon any portion of a state highway if that portion has been superseded by relocation or has been determined to be in excess of the needs of the Department.*

2. *The Board shall act to abandon any easement, or to vacate any highway, by resolution. A certified copy of the resolution may be recorded without acknowledgment, certificate of acknowledgment, or further proof, in the office of the county recorder of each county wherein any portion of the easement to be abandoned, or the highway to be vacated, lies. No fee may be charged for such recordation. Upon recordation, the abandonment or vacation is complete.*

3. *When a highway for which the State holds only an easement is abandoned, or when any other easement is abandoned, the property previously subject thereto is free from the public easement for highway purposes.*

...

List of Attachment(s):

- A. Location Map
- B. Original Resolution of Abandonment with attached Exhibits "A" and "B"
- C. Environmental Approval
- D. NRS 408.523

Recommendation for Board Action:

- Approve a Resolution to abandon a portion of land lying within SR-582 (Boulder Hwy.), designated Parcel number S-582-CL-003.100 XS1.

Prepared by:

Craig Reynoldson, Chief Right-of-Way Agent

300

Ptn. of APNs: 179-17-899-013 & 179-20-599-008
Control Section: CL-013
Route: SR-582 (Boulder Hwy.) Former Route: SR-5
Project: F 006-1
Ptn. of BLM Application No.: Nev 024511
Surplus No.: ABD 20-01
Surplus Parcel: S-582-CL-003.100 XS1

AFTER RECORDING RETURN TO:
NEVADA DEPT. OF TRANSPORTATION
RIGHT-OF-WAY DIVISION
ATTN: STAFF SPECIALIST, PM
1263 S. STEWART ST.
CARSON CITY, NV 89712

RESOLUTION OF ABANDONMENT
OF A PORTION OF STATE HIGHWAY RIGHT-OF-WAY

WHEREAS, the State of Nevada, Department of Transportation, hereinafter called the Department, presently holds an easement interest for all of that certain right-of-way for SR-582 (Boulder Hwy.) extending from Highway Engineer's Station "PN" 676+95.80 P.O.T. to Highway Engineer's Station "PN" 680+81.66 P.O.T.; and

WHEREAS, said right-of-way is delineated and identified as Parcel S-582-CL-003.100 XS1, on EXHIBIT "B", attached hereto and made a part hereof; and

WHEREAS, pursuant to the provisions contained in NRS 408.523, the Nevada Department of Transportation Board of Directors may vacate or abandon by resolution, any portion of a state highway which has been superseded by relocation or has been determined to be in excess of the needs of the Department; and

WHEREAS, a portion of said right-of-way is of no further contemplated use by the Department, due to that certain portion of SR-582 (Boulder Hwy.) being in excess of the needs of the Department.

THEREFORE, it is hereby determined by the Board of Directors of the Nevada Department of Transportation of the State of Nevada, that the following described right-of-way and incidents thereto, being all that land delineated and identified as Parcel S-582-CL-003.100 XS1, on EXHIBIT "B", is hereby abandoned. Said right-of-way is more particularly described as follows:

See Exhibit "A", attached hereto and made a part hereof.

It is the intent of the Department of Transportation to abandon that portion of SR-582 (Boulder Hwy.), delineated and identified as Parcel S-582-CL-003.100 XS1, on EXHIBIT "B", attached hereto and made a part hereof for reference.

DATED this _____ day of _____, 2021.

APPROVED AS TO LEGALITY AND FORM:

ON BEHALF OF STATE OF NEVADA,
DEPARTMENT OF TRANSPORTATION
BOARD OF DIRECTORS

Dennis Gallagher, Chief Deputy Attorney General

Steve Sisolak, Chairman

ATTEST:

Jeff Lerud, Secretary to the Board

LEGAL DESCRIPTION PREPARED BY:
GREGORY A. BIGBY, P.L.S.
NEVADA DEPT. OF TRANSPORTATION
RIGHT-OF-WAY DIVISION
1263 S. STEWART ST.
CARSON CITY, NV 89712

EXHIBIT "A"
LEGAL DESCRIPTION

Ptn. of APN's: 179-17-899-013
 179-20-599-008
Ptn. of BLM Application No.: NEV 024511
Project No.: F 006-1
Parcel: S-582-CL-003.100 XS1

Situate, lying and being in the City of Henderson, County of Clark, State of Nevada, and more particularly described as being a portion of the SW 1/4 of the SE 1/4 of Section 17 and the NW 1/4 of the NE 1/4 of Section 20, all in T. 22 S., R. 63 E., M.D.M., and more fully described by metes and bounds as follows:

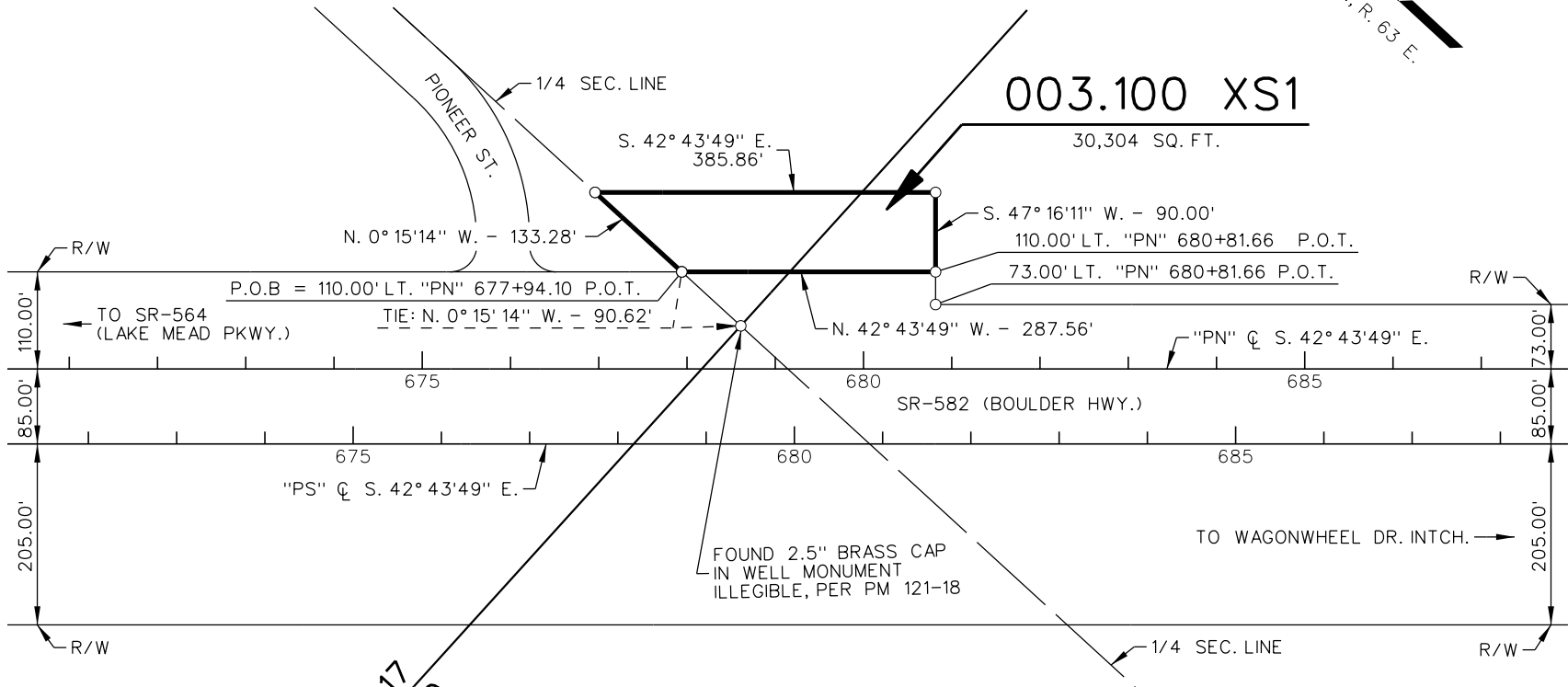
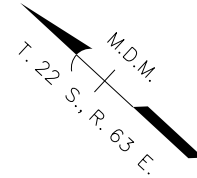
COMMENCING at a FOUND 2.5" BC ILLEGIBLE S1/4 17, shown and delineated as a FOUND 2.5" BRASS CAP IN WELL MONUMENT ILLEGIBLE, on that certain PARCEL MAP FOR THE CITY OF HENDERSON filed for record on April 4, 2016, as Book No. 20160404, Instrument No. 01341, File 121, Page No. 18, in Official Records of Clark County, Nevada, accepted as being the south quarter corner of said Section 17; thence N. 0°15'14" W, along the 1/4 section line of said Section 17, a distance of 90.62 feet to the POINT OF BEGINNING; said point of beginning further described as being a point on the left or northeasterly right-of-way line of SR-582 (Boulder Hwy.), 110.00 feet left of and right angles to Highway Engineer's Station "PN" 677+94.10 P.O.T.; thence N. 0°15'14" W., along the former left or northeasterly right-of-way line of said SR-582, and continuing along said 1/4 section line, a distance of 133.28 feet; thence S. 42°43'49" E., continuing along said former right-of-way line, a distance of 385.86 feet; thence S. 47°16'11" W., continuing along said former right-of-way line, a distance of 90.00 feet to said right-of-way line; thence N. 42°43'49" W., along said right-of-way line, a distance of 287.56 feet to the point of beginning; said parcel contains an area of 30,304 square feet (0.70 acres).

Said parcel is delineated and identified as Parcel S-582-CL-003.100 XS1 on Exhibit "B", attached hereto and made a part hereof.

The Basis of Bearing for this description is the NEVADA STATE PLANE COORDINATE SYSTEM, NAD 83/94 DATUM, East Zone as determined by the State of Nevada, Department of Transportation.

PARCEL NO. PREFIX: S-582-CL-

COUNTY OF CLARK
CITY OF HENDERSON



SEC. 17
SEC. 20

 AREA TO BE ABANDONED

MAP ID NO. 56459
\\037_RightOfWay\SURPLUS\ABD 20-01\ABD 20-01 EXHIBIT B.dgn



TRACED	DK
CHECKED	CJH
DATE OF LAST REVISION:	

EXHIBIT "B"

ABD 20-01 STATE OF NEVADA CL-013
DEPARTMENT OF TRANSPORTATION

DATE: MARCH 15, 2021

SKETCH MAP

APPROVED: 
MANAGER, R/W SURVEY SERVICES

SCALE 1" = 200' SHEET 1 OF 1



1263 South Stewart Street
Carson City, Nevada 89712
Phone: (775) 888-7013
Fax: (775) 888-7104

MEMORANDUM

Environmental Division

October 13, 2020

To: Diana Callahan, Staff Specialist, Acquisitions
From: My-Linh Nguyen, Ph.D., P.E., Chief Environmental Division *CCJ for*
Subject: Environmental Certification
Surplus No.: ABD 20-01
Project: F 006-1
Surplus Parcel No: S-582-003.100 XS1
Description: Abandonment of Right-of-Way along SR-582

The Environmental Division reviewed the requested action as presented in your memo dated June 30, 2020 and found it clear of any documented environmental concern for disposal. A Programmatic Categorical Exclusion (PCE) was not required for this project, in accordance with the Programmatic Agreement (PA) completed between the Nevada Department of Transportation (NDOT) and the Federal Highway Administration (FHWA), effective February 15, 2017.

EC: Project E-File

NRS 408.523 Summary vacation and abandonment of portion of state highway superseded by relocation or in excess of needs; resolution of Board; recordation.

1. The Board may retain or may summarily vacate and abandon any portion of a state highway if that portion has been superseded by relocation or has been determined to be in excess of the needs of the Department.

2. The Board shall act to abandon any easement, or to vacate any highway, by resolution. A certified copy of the resolution may be recorded without acknowledgment, certificate of acknowledgment, or further proof, in the office of the county recorder of each county wherein any portion of the easement to be abandoned, or the highway to be vacated, lies. No fee may be charged for such recordation. Upon recordation, the abandonment or vacation is complete.

3. When a highway for which the State holds only an easement is abandoned, or when any other easement is abandoned, the property previously subject thereto is free from the public easement for highway purposes. Where the State owns in fee the property on which the vacated highway was located, the Department shall dispose of that property as provided in [NRS 408.533](#).

4. In any proceeding for the abandonment or vacation of any state highway or part thereof, the Board may reserve and except therefrom any easements, rights or interests in the highway deemed desirable and in the best interests of the State.

(Added to NRS by [1960, 68](#); A [1981, 707](#); [1987, 1811](#); [1989, 1307](#))