



Department of Transportation
Board of Directors
Notice of Public Meeting
1263 South Stewart Street
Third Floor Conference Room
Carson City, Nevada
September 11, 2023 – 9:30 A.M.

THE NEVADA DEPARTMENT OF TRANSPORTATION BOARD OF DIRECTORS
9:30 AM, Monday, September 11, 2023

NEVADA DEPARTMENT OF TRANSPORTATION

1263 South Stewart Street	123 East Washington Avenue	1951 Idaho Street
Third Floor Conference Room	Building B	Conference Room
Carson City, Nevada 89712	Las Vegas, Nevada 89101	Elko, Nevada 89801

This meeting has been properly noticed and posted online at [Public Involvement and Information | Nevada Department of Transportation](https://dot.nv.gov/doing-business/public-involvement-information) (dot.nv.gov/doing-business/public-involvement-information), <https://notice.nv.gov/>, and in the following locations:

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, Nevada

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 not 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](#). (This form can be found on our website under “Public Involvement” and “Transportation Board Meetings.”) This form will be available for comment by 9:00 A.M. three (3) business days before the Board meeting and will close at 5:00 P.M. on the day of the Board meeting. Following the three (3) minute public comment rule, online Public Comment Form comments will be limited to 450 words. 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.

Please be aware:

- 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.



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This meeting is also available via videoconferencing 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. When Board meetings are in session, streaming video of the meetings may be available through [NDOT's live-streaming video feed](#) on YouTube. Past board meetings are also recorded and posted on NDOT's YouTube channel and can be found here [nevadadot - YouTube](#).

Reasonable efforts will be made to assist and accommodate physically handicapped persons desiring to attend the meeting and/or make public comment. If special arrangements for the meeting are necessary, please notify Rebecca Qualls at (775) 888-7440 or Rebecca.qualls@dot.nv.gov as soon as possible and at least two (2) days in advance of the meeting.

Copies of non-confidential supporting materials provided to the Board are available upon request. Request for such supporting materials should be made to Rebecca Qualls at (775) 888-7440 or Rebecca.qualls@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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AGENDA

SEC 1. OPENING

1. Welcome / Call to Order/ Roll Call
Governor Joe Lombardo, Lieutenant Governor Stavros Anthony, Controller Andy Matthews, Member Virginia Valentine, Member Stephen Ascuaga, Member Justin Kalb, Member Gary Perea
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. Receive Director's Report. – *Informational item only*
4. Presentation on Fiscal Year 2024 Annual Work Program and 2023-2026 Statewide Transportation Improvement Program (STIP). – *Informational item only*
5. Presentation on Legislature-Approved Fiscal Year 2024 Vehicle Replacement and Procurement of Vehicles and Non-Rental Equipment. – *Informational item only*
6. Revised minutes for the July 10, 2023, Board of Director's minutes. – *Informational item only*
7. Consideration of approval of the August 14, 2023, Nevada Department of Transportation Board of Directors Meeting Minutes. – *For possible action*

SEC. 2. CONSENT AGENDA: Items No. 8 through No. 20

NOTE:

- *Consent Agenda - All matters in this section are considered by the Transportation Board of Directors to be routine and may be acted upon in one motion unless a Board member requests that an item be taken separately. For all items left on the Consent Agenda, the action taken will be staff's recommendation as indicated on the item.*
- *Items taken separately from the Consent Agenda by Board members at the meeting will be heard in order in Section 3.*

Contracts over \$5,000,000 from July 14, 2023, through August 17, 2023

The purpose of this sub-section is to present to the Board construction contracts which are over \$5,000,000 for approval. All contracts are all low bid per statute. These construction contracts constitute all contracts over \$5,000,000 for which the bids were opened, and the analysis completed by the Bid Review and Analysis Team and the Contract Compliance section



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of the Department. 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.

8. Contract 3977, Project No. NHP-0191(124), on I-15, from 0.029 miles south of Lamb Interchange to the beginning of asphalt 0.541 miles north of Lamb Interchange and SR 610, Lamb Boulevard, from North Las Vegas Boulevard to I-15, with HOLCIM - SWR, INC., to cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair, Clark County, Nevada. – *For possible action*
9. Contract 3982, Project No. NHP-015-1(164), on I-15 South, from Sloan Road to just north of Warm Springs, with FISHER SAND AND GRAVEL CO., to widen, construct auxiliary lanes, restripe, cold mill, and place plantmix bituminous surface with open grade, Clark County, Nevada. – *For possible action*
10. Contract 3983, Project No. NHP-0191(104), on US 395, north of Reno, from McCarran to Golden Valley Structure, with Q&D RHB, a Joint Venture, to construct northbound and southbound auxiliary lanes, southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation, Washoe County, Nevada. – *For possible action*
11. Contract 3989, Project No. SPF-093-5(028), on US 93 and SR 233, with INTERMOUNTAIN SLURRY SEAL, INC., for chip seal, double chip seal, and border sign packages, Elko and White Pine Counties, Nevada. – *For possible action*
12. Contract 815-23, Project No. SP-000M(329), at Quinn River and Orovada Maintenance Stations, with MKD CONSTRUCTION, INC., for fuel site upgrades, Humboldt County, Nevada. - *For possible action*

Agreements over \$300,000 from July 14, 2023, through August 10, 2023

The purpose of this sub-section is to provide to the Board of Directors 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, which include new agreements over \$300,000, and amendments which increase the total agreement amount above \$300,000, for approval. These agreements have been prepared following the Code of Federal Regulations, Nevada Revised Statutes, Nevada Administrative Code, State Administrative Manual, and/or Department policies and procedures.

13. Agreement 109-23-803, with APPLIED PAVEMENT TECHNOLOGY, INC., to administer the Local Technical Assistance Program (LTAP), statewide, Nevada. – *For possible action*



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14. Amendment 02, Agreement 483-19-050, with EST COMPANIES, LLC, for continued preventative maintenance and repair services for the Department’s Automatic Paving Equipment Cleaning System, Fallon and Tonopah, Nevada. – *For possible action*
 15. Amendment 03, Agreement 128-21-802, with PARAMETRIX, INC., for continued development of the Nevada State Freight Plan, statewide, Nevada. – *For possible action*

Right-of-Way

16. ABD 22-10 – Resolution of Abandonment of a portion of land along US 95 at the Durango Drive Interchange, Clark County, Nevada – *For possible action*
17. SUR 21-13 - Disposal of an excess parcel of land located at the southwest corner of Nevada State Route 431 and US Route 395A, Washoe County, Nevada. – *For possible action*

General Administration

18. Consideration of approval of the Fiscal Year 2024 Annual Work Program and acceptance of an amendment to the 2023-2026 Statewide Transportation Improvement Program (STIP). – *For possible action*
19. Consideration of approval of Legislature-Approved Fiscal Year 2024 Vehicle Replacement and Procurement of Vehicles and Non-Rental Equipment in Accordance with NRS 408.389. – *For possible action*
20. Contracts, Agreements, and Settlements/Judgements – 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*

END OF CONSENT AGENDA

SEC. 3. ITEMS TAKEN SEPARATELY FROM CONSENT AGENDA

SEC. 4. ADDITIONAL BUSINESS ITEMS

21. 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*



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22. Public Comment: A period devoted to comments by the general public about matters relevant to the Board's jurisdiction will be held. No vote may be taken on a matter not listed on the posted agenda. Comments will be limited to three minutes. Please clearly state your name and spell your last name for the record. If any of the Board wishes to extend the length of a presentation, this will be done by the Chair, or the Board by majority vote.
23. Adjournment



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Meeting Location:

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

123 East Washington Avenue
Building B
Las Vegas, Nevada 89101

1951 Idaho Street
Conference Room
Elko, Nevada 89801

SEC 1. OPENING

1. Welcome/Call to Order/Roll Call

Governor Lombardo called the meeting to order on Monday, July 10, 2023, at 9:30 a.m. A roll call was conducted, and a quorum was established.

In attendance: Governor Joe Lombardo, Lieutenant Governor Stavros Anthony, Controller Andy Matthews, Member Virginia Valentine, Member Stephen Ascuaga, Member Justin Kalb, and Member Gary Perea.

2. Public Comment

There was no public comment.

3. Receive Director's Report – Informational Item

Director Tracy Larkin Thomason began her report by informing the Board that items 16 and 17 of the consent agenda are being removed and will be re-agendized at a future meeting.

Director Larkin Thomason informed the Board that on the I-15 Corridor Project south of Tropicana, the lane shifts are now moving further north and will go from the limits of Henderson at Stephanie Street up to Eastern, where work will take place on the number 1 lane and the median, including the addition of more ITS features.

Director Larkin Thomason indicated that a public meeting for feedback will be held regarding the realignment of SR 361, which will accommodate the expansion of the US Naval Fallon Range. The Director informed the Board that the meeting will be held in Fallon on July 18, 2023, from 4:00 to 7:00 pm and that the public can also obtain information at dot.nv.gov/sr361.

Director Larkin Thomason next discussed the traffic signal that will be installed at Warrior Way on US 50 on the Tahoe East Shore, noting that this will begin within the next few weeks. The Director further noted that



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NDOT will be removing some on-street parking on US 50, and will work with partners to look for other ways, other areas for parking.

Director Larkin Thomason next discussed the I-580 reconstruction between Peckham Lane and Mill Street in Reno. The Director indicated that the weekend of July 22nd will be another marathon weekend where the road will be reduced to just one lane in each direction. The Director noted that these marathon weekends do save NDOT approximately a week of construction time and allow NDOT to get as much work done as possible prior to the hot August nights and other events planned in the Reno area.

Director Larkin Thomason informed the Board that the US 395, North Valley Phase 1B Project bids will open this coming Thursday and will be award this September with the actual construction beginning the following year. The Director indicated that this project will bring much needed relief to the North Valleys, and should be complete by the end of 2025. The Director cautioned, however, that during construction there will be significant impacts but emphasized the benefits will be felt in the future.

Director Larkin Thomason informed the Board that for the I-11/515/C215 Henderson Interchange, the Design Build now has three shortlisted proposers: Kiewit, Ames, and Fisher. The Director indicated that this is a \$350 to \$400 million Design Build project, with a short presentation about this project to follow today's director's report to familiarize the new members with this method of procurement.

Director Larkin Thomason next discussed Mormon Crickets in the Elko area and surrounding areas, which are covering the roads and cause slippery conditions when run over. As such, the Director indicated that NDOT is plowing the crickets off the roads and using sand, much as if these were snow conditions. The Director noted that there really is nothing else to be done other than to wait out the approximately four-week period for the crickets to clear out. The Director indicated that NDOT will continue to pay close attention to these roads and has also put out some temporary signs asking drivers to slow down.

Governor Lombardo asked Director Larkin Thomason what she meant by waiting it out, also what the standard operating cycle is.

Director Larkin Thomason replied, noting in the past it usually tends to last for about a month. The Director is hopeful that the Mormon Crickets will be cleared out in about four weeks.

Governor Lombardo mentioned why he was asking was because residents from Midas continue to call to ask for help. Governor Lombardo realizes this has nothing to do with the Department.



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Director Larkin Thomason reassured the Governor that NDOT will continue to monitor the conditions. She informed the board that NDOT has posted signs throughout the affected areas advising residents to slow down due to the slick road conditions.

Director Larkin Thomason next discussed the \$24 million RAISE Grant NDOT has received for the Ely Downtown Infrastructure and Complete Streets Project. The Director noted that this funding is in addition to the \$5 million already earmarked for this project, a project that will ultimately cost approximately \$50 million in total, and approximately half of which will be covered by these funds, and anticipated to start on the project next year.

Director Larkin Thomason informed the Board that NDOT has been working with the office of OSIT (Science, Innovation and Technology) on a grant for broadband. The Director noted that OSIT was the primary on the \$87 million grant, of which NDOT is participating with \$35 million of matching funds over a four-year period. The Director explained that along with funding from the Coronavirus capital funds, this will put broadband and connectivity along I-80, from California state line to the Utah state line, as well as connectivity from Wells on US 95 down to Las Vegas.

Director Larkin Thomason informed the Board that NDOT has won an award from the Institute of Traffic Engineers Mountain District for the Transportation System Management and Operations (TSMO), specifically for asset management life cycle planning. The Director explained that this is based on innovation, commitment to advancing of the profession, and applicable to the industry scope, and the winners will now move to the national level.

Director Larkin Thomason turned it over to Deputy Director Darin Tedford to present the temporary demonstration concept for striping along the US 50 on the South Shore.

Deputy Director of NDOT, Darin Tedford, discussed NDOT's prioritization of safety in all aspects to keep the state's commuters, commerce, and employees safe on the transportation system. Deputy Director Tedford indicated that the US 50 corridor from Spooner Summit to Stateline averages over 100 crashes per year and that 85 percent of this 13-mile corridor exceeds statewide average crash rates for similar facilities. Deputy Director Tedford informed the Board that during public outreach, 62 percent of residents prioritized high speeds and dangerous driving as a key concern. Deputy Director Tedford indicated that operating speeds range from 11 to 15 miles over the speed limit with many vehicles exceeding that. Deputy Director Tedford explained that after three rounds of noticed public engagement opportunities, more than 50



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individual meetings with more than 800 participants, and 575 public comments, NDOT has heard a range of concerns regarding this area and has determined the best approach is to test the configuration on a short segment along the corridor to allow NDOT and the traveling public the opportunity to see how the change might operate. Deputy Director Tedford indicated that NDOT will collect data on speed and other factors, as well as monitor the merge points, and at the end of the demonstration, the striping could be replaced with the current configuration. Deputy Director Tedford further indicated that this configuration will not reduce pavement width, and will allow for the same facility for emergency management services and law enforcement, and would allow the same capacity for any evacuation event. Deputy Director Tedford informed the Board that after the demo, NDOT will be collecting public input via a survey to supplement the data collected in the area, and this information will be used to inform future recommendations for the corridor. Mr. Tedford concluded his presentation by explaining that NDOT met with Douglas County Fire and County Sheriff the previous week, is coordinating with the Nevada Emergency Management, and will be presenting this plan to the Douglas County Commission on July 20th.

Director Larkin Thomason asked the Board Members if there were any questions on the presentation before moving onto the final slide on the Director's report.

Member Virginia Valentine disclosed that she has members interested in the Highway 50 Project and although there is no vote scheduled today, that she would be abstaining from any action on that item.

Member Stephen Ascuaga indicated his belief that much more discussion needs to take place prior to any decisions being made regarding the Highway 50 Project, citing valid concerns. Member Ascuaga questioned how the test run is being communicated out, and questioned if this is the right time. Member Ascuaga further noted that if there are concerns about even doing this type of test, this should speak to a certain degree of the care and adequate time that needs to be taken with approaching this.

Lieutenant Governor Stavros Anthony concurred, noting that he received several calls over the weekend from businesses in the area concerned about doing this test during peak tourist time. As such, the Lieutenant Governor requested that NDOT postpone the test until at least after Labor Day.

Lori Story, Counsel, noted that the Board is getting beyond the scope of the agenda with this discussion, and that this line item needs to be agendized prior to Board discussions taking place.

Director Larkin Thomason noted that NDOT has received a letter from some of the resort stakeholders in the area and is working with them regarding timing of this testing.



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Member Justin Kalb asked if there would be a Board meeting prior to this testing going into effect.

Director Larkin Thomason explained that one of the original thoughts was to do it over a peak weekend with the idea of seeing how it actually worked on a holiday weekend, but that NDOT is willing to adjust.

Member Gary Perea asked for an expansion on the timing and what it is that NDOT is trying to gather, as well as why this particular time was chosen.

Deputy Director Darin Tedford explained that the original timing was to do the test section as soon as possible, noting that traffic volumes throughout all the seasons were taken into account and to test this section when there was less traffic would be an inconclusive test.

Director Larkin Thomason added that NDOT has a preservation project planned, which will be awarded in the fall, to redo the pavement up at the lake. The Director indicated that this would be happening next summer and as such, there would not be an opportunity to do a demonstration project during that actual part of the preservation project. Director Larkin Thomason further noted that no permanent alterations to any striping would be made prior to 2025.

Director Larkin Thomason concluded her report by celebrating retirees Bill Ezell, who is retiring from NDOT after 29 years, and retiree Kenneth "Lenny" Siri, who is retiring after 31 years.

Governor Lombardo asked if there was anything else in the Director's report.

Director Larkin Thomason wanted to remind the Board that items 16 and 17 were removed from the consent agenda.

- 4. Presentation regarding the Design Build Procurement for the Henderson Interchange Project for the reconstruction of the I-215/I-515/I-11/West Lake Mead Parkway Interchange in Henderson, Clark County, Nevada.** – *Informational item only*

Chief of Project Management at NDOT, Nick Johnson, discussed the background of the Henderson Interchange Design Build Project, noting that what is referred to as the Henderson Interchange is the junction of I-11, C215, I-515, and Lake Mead Parkway. Chief Johnson indicated that this is a significant interchange in the Las Vegas Valley, but with the tremendous growth across the state, the demand at this interchange is outpacing the capacity for which it was originally designed. Chief Johnson explained that the



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purpose and the intent of this project is not only to improve the travel time, reliability, and to reduce congestion through the interchange, but also to resolve some of the existing deficiencies and improve safety for those using the interchange. Chief Johnson explained that NDOT partnered with the City of Henderson three to four years ago to start looking at improvements and alternatives, which led to the NEPA process, following which, approval was received from Federal Highways. Chief Johnson indicated that NDOT determined the Design Build delivery method would be most appropriate for this project, and per statute, received approval from the Board in November to move forward. Chief Johnson explained that the proposed improvements of the interchange are a unique design, a crossover style system, intended to get the major movements flowing between the interstates more efficiently, as well as provide operational and safety improvements, including braided ramps and auxiliary lanes to help eliminate and minimize conflict points to keep traffic going through safely. Chief Johnson further indicated that NDOT is also restoring some of the local connectivity through the interchange with the reconnection of the Lake Mead Parkway and Gibson Road access on the northwest side. Chief Johnson informed the Board that there are a total of 27 bridges within the project footprint, 22 of which will remain in place and be rehabilitated or widened, five of which will be demolished, and 11 new ones constructed.

Chief Nick Johnson informed the Board that the estimated construction costs for this project are approximately \$350 to \$400 million and next discussed the procurement process. Chief Johnson reiterated approval was received in November and indicated that early this year, the first step was advertising and request for qualifications for Design Build proposers. Chief Johnson explained that NRS 408 requires a minimum of three qualified proposers, but no more than five to move forward with next steps. Chief Johnson informed the Board that three statements of qualifications were received in May, evaluated, and the following proposers were shortlisted for the project: Kiewit Infrastructure West, Ames Construction, and Fisher Sand & Gravel. Chief Johnson indicated next steps include releasing the request for proposals to these three shortlisted proposers. Chief Johnson next discussed the timeline of the project, noting that NDOT anticipates issuing and releasing the final RFP to the three proposers in late August/early September, and then between that time and end of 2023/beginning of 2024, NDOT will be meeting with them one-on-one, after final proposals will be submitted. Chief Johnson explained that following this, NDOT will go through a robust evaluation process of those proposals prior to returning to the Board in the spring for two actions: to ratify the selection of that apparent best-value proposer; and to award the design-build contract to that proposer. After which, the design will begin immediately, followed by construction in the late summer/early fall of 2024.

Governor Lombardo requested that the slide deck be provided to the Board members following today's meeting.



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5. Consideration of Approval of the June 12, 2023, Nevada Department of Transportation Board of Directors Meeting Minutes. – *For Possible Action*

Motion: Approve the June 12, 2023, NDOT Board of Directors Meeting Minutes
By: Lieutenant Governor Stavros Anthony
Second: Controller Andy Matthews
Vote: Passed unanimously

SEC .2. CONSENT AGENDA: Items No. 6 through No. 15, and No. 18

Governor Lombardo explained that items 6 through 15, and 18 will be taken together unless any of the Board members wish to hear an item separately.

Contracts over \$5,000,000 from May 12, 2023, to June 8, 2023

6. Contract 3978, Project No. NHFP-080-3(071), on I-80 0.94 miles West of Golconda Summit Interchange to 2.36 miles East, with ROAD AND HIGHWAY BUILDERS, LLC, for truck climbing lanes, truck parking, interchange ramp improvements, and replace structure I-808, Humboldt County, Nevada. – *For possible action*
7. Contract 3981, Project No. NHP-395-1(031), on US 395, from Waterloo to First Street, with SIERRA NEVADA CONSTRUCTION, INC., for roadbed modification with cold mill and place plantmix bituminous surface with open grade, storm drain, Intelligent Transportation Systems (ITS), and lighting improvements, Douglas County, Nevada. – *For possible action*

Agreements over \$300,000 from May 12, 2023, to June 8, 2023

8. Agreement 226-23-016, with SPECTRUM PACIFIC WEST, LLC, to supply and install approximately six (6) miles of conduit, vaults, and fiber markers in a joint trench along east side of State Route 28, Carson City and Douglas Counties, Nevada. – *For possible action*
9. Agreement with ATKINS NORTH AMERICA, INC., JACOBS ENGINEERING GROUP, INC., and GCW, INC., for on-call indefinite Delivery, Indefinite Quantity (IDIQ) for mapping and locations services, statewide, Nevada. – *For possible action*
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10. Agreement 334-22-101, with LAS VEGAS PAVING CORPORATION, to perform street sweeping services on US 95, Clark County, Nevada. – *For possible action*
11. Amendment 01, Agreement 780-19-075, with OPPORTUNITY VILLAGE FOUNDATION, for continued access to records through identification and indexing, statewide, Nevada. – *For possible action*
12. Amendment 02, Agreement 448-20-040, with CONSTRUCTION MATERIALS ENGINEERS, INC., for continued on-call augmentation of construction crews, Washoe, Carson City, Douglas, Storey, Lyon, Churchill, Pershing, and Mineral Counties, Nevada. – *For possible action*
13. Amendment 03, Agreement 413-19-016 with THE NARWHAL GROUP, to continue maintenance of the Intelligent Transportation Systems (ITS) infrastructure and associated electrical systems, Elko, Humboldt, Pershing, Churchill, Lander, Eureka, White Pine, and Nye Counties, Nevada. – *For possible action*

Right-of-Way

14. REL 19-17 - Resolution of Relinquishment of a portion of frontage road at IR-80 and SR 535 Interchange (Exit 298), Elko County, Nevada. – *For possible action*
15. SUR 18-17 - Disposal of a surplus parcel of land within Las Vegas, Clark County, Nevada. – *For possible action*
This item was stricken from the consent agenda.
16. SUR 18-18 - Disposal of a surplus parcel of land within Las Vegas, Clark County, Nevada. – *For possible action*
This item was stricken from the consent agenda.

General Administration

17. **Contracts, Agreements, and Settlements/Judgements**
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*
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END OF CONSENT AGENDA

Motion: Approve Consent Agenda Items 6 through 15, and 18
By: Member Stephen Ascuaga
Second: Lieutenant Governor Stavros Anthony
Vote: Passed unanimously

SEC. 3. ITEMS TAKEN SEPARATELY FROM CONSENT AGENDA

There were no items taken separately from the consent agenda.

SEC. 4. ADDITIONAL BUSINESS ITEMS

18. **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*

There was no executive session.

19. **Public Comment**

A period devoted to comments by the general public about matters relevant to the Board's jurisdiction will be held. No vote may be taken upon a matter not listed on the posted agenda. Comments will be limited to three minutes. Please clearly state your name and spell your last name for the record. If any of the Board wishes to extend the length of a presentation, this will be done by the Chair, or the Board by majority vote.

Brett Tibbets: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Tibbets shared concerns with lack of public engagement on the part of NDOT.

Robert Byren: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Byren shared concerns regarding the impact the changes would have on air pollution and increased congestion.

Sidney Morrow: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Morrow pointed out the current road construction at Warrior Way half a mile from the proposed changes and concerns regarding evacuation procedures.



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Paul Felton: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Felton indicated the project would increase congestion, conflicts among drivers, emissions, and the impairment of traffic in the event of an evacuation.

Beth Wallace: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Wallace requested the Board continue to work with residents to resolve this issue.

Bill Lurtz: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Lurtz indicated his belief that the proposed temporary test of Highway 50 is a waste of time as the test has already been done, in June, during the Rock Tahoe marathon when the southbound lane was shut down from Glenbrook or Spooner Summit to Stateline.

Marlo Quillin: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Quillin discussed other times lanes have been shut down on Highway 50 and the congestion this causes and suggested known accident areas receive more patrolling.

Kirk Ledbetter: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Ledbetter discussed the impact the proposed project would have on snow removal operations.

Peter Spencer: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Spencer proposed enforcement efforts toward parking and speeding would improve the current conditions.

Debbie Ledbetter: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Ledbetter shared her belief that the reduction of lanes would impact the safety of travel for residents and taxpayers.

Ellen Waller: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Waller requested the delay of the project until the residents have an opportunity to weigh in on the proposed action and the Board consider this a conflict to be resolved under the Douglas County Charter.

Diane Daiss Felton: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Felton indicated this project will create a bottleneck that will run between her house and vital services like food and gasoline.



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Dana Tibbets: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Tibbets indicated her belief that NDOT and TRPA are using safety as a guise to build their vision of the public's future without caring what residents and taxpayers think and further shared her concern regarding the demolition of the evacuation corridor.

Guy Moss: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Moss explained the road was widened in 1963 and believes it is ridiculous to discuss narrowing the road now as it is a major highway. He further his comment by stating bicycles have no business on Highway 50 between Glenbrook and Stateline.

Robert Felton: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Felton questioned why NDOT representatives are not recognizing the community is against this plan but instead tries to circumvent the people who live and drive in the area.

Andy Huckbody: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Huckbody indicated NDOT should be collecting data prior to making recommendations and indicated this data needs to be published. He explained his belief that radar signs and enforcement are needed to slow people down.

Janine Nyre: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Nyre opined that NDOT does not have a comprehensive model of that corridor, nor have they reached out to experts, citing as an example the transportation engineering department at UNR, for consultation or ideas.

Elisabeth Lernhardt: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Lernhardt indicated that the remedy reduction of the highway lane is dramatically opposed to safety and invited further discussion at the community center on Kahle Drive in Zephyr Cove.

David Thompson: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Thompson explained that if reducing the road down to one lane will create a never-ending line of traffic that will not allow for anyone to get out of Glenbrook.

Adriana Hartly: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Hartley opined that NDOT's proposed solution feels irresponsible and has her wondering what the true motivation is behind this decision. She further discussed her fear of being stuck in case of emergency.



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Janet Murphy: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Ms. Murphy urged the Board to try the alternative option presented by the Tahoe Douglas District certified licensed engineers.

Dennis Davenport: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Davenport suggested that NDOT purchase some \$300 cameras that upload everything to the cloud nightly and look what's really happening in that area in lieu of re-striping the road. Mr. Davenport further indicated that there are many trails already off the road and suggested working with Forest Services to see if some of those trails can be used as bike paths rather than to incorporate bike lanes along Highway 50.

Ken Ambrose: Public comment was given in opposition of the proposed changes to US 50 at Lake Tahoe. Mr. Ambrose explained that when you reduce capacity, you increase congestion, which in turn creates gridlock.

Written public comment included as attachment.

20. Adjournment – For Possible Action

Governor Lombardo adjourned the July 10, 2023, Nevada Department of Transportation Board of Directors Meeting.

Motion: Adjourn the July 10, 2023, NDOT Board of Directors Meeting
By: Lieutenant Governor Stavros Anthony
Second: Controller Andy Matthews
Vote: Passed unanimously



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August 14, 2023

9:30 AM

Meeting Location:

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

123 East Washington Avenue
Building B
Las Vegas, Nevada 89101

1951 Idaho Street
Conference Room
Elko, Nevada 89801

SEC 1. OPENING

1. Welcome/Call to Order/Roll Call

Lieutenant Governor Stavros Anthony called the meeting to order on Monday, August 14, 2023. A roll call was conducted, and a quorum was established.

In attendance: Lieutenant Governor Stavros Anthony, Controller Andy Matthews, Member Virginia Valentine, Member Stephen Ascuaga, Member Justin Kalb, and Member Gary Perea.

2. Public Comment

Brett Tibbitts, Cave Rock resident, indicated his belief that the draft minutes from the July meeting do not fairly and accurately reflect the opposition to NDOT's plans for Highway 50. Mr. Tibbitts next discussed the fact that the lake community is very upset about NDOT's proposed plan, as well as about the fact that NDOT has not tried lesser things like traffic lights and warning signs for dangerous curves.

There was no additional public comment provided for items on the agenda.

3. Receive Director's Report – Informational Item

Director Tracy Larkin Thomason began her report with a discussion of fatalities, noting that the state is down almost 11.5 percent from the same time last year, and that year-to-date crashes are down almost 13 percent.

Director Larkin Thomason next highlighted one of three preservation projects slated for the North Valley area, 395 northwest of Reno. The Director noted that the preservation project was awarded to Q & D Construction and is estimated at 80 working days and should be completed this year, weather-permitting.

Director Larkin Thomason next discussed the updates on the US 50 Tahoe plan, indicating that construction on a signal at Warrior Way is already underway. The Director explained that outreach is continuing with local agencies and residents in the area, and that NDOT does have a survey that will be going live soon.



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Director Larkin Thomason indicated that NDOT is investigating mobile speed limit feedback signs on trailers, and looking into deploying them as an interim measure. The Director acknowledged that automated law enforcement was brought up multiple times at the last meeting, as well as at the Douglas County Board meeting, and advised the Board that automated enforcement would require Legislative approval. Director Larkin Thomason informed the Board that there is no demonstration project currently scheduled, and that this project is currently being postponed with no future date yet determined. The Director reiterated that NDOT is inviting more comment regarding the corridor plan via public survey, once it becomes live, and indicated that notice to the survey will be sent to basin residents by mail, email, social media, and partner agencies. The Director explained that feedback from the survey will be reported back to the Board and then incorporated into the corridor management plan.

Director Larkin Thomason next discussed the I-15 Sloan to Stateline feasibility study, indicating that NDOT is starting from the state line and going up to Sloan, and looking at the future and existing land use evaluation. The Director noted that Clark County, and the City of Henderson are also in the process of finalizing a land-use study that will support future development in the area. Director Larkin Thomason indicated that Ivanpah is still being planned, and that the construction of the high-speed rail between Las Vegas and Los Angeles has been planned and is slated to come up the center of the median and then go over to the east side at about Sloan. The Director added that this project will include four emergency crossovers along with other planned intersections. Director Larkin Thomason indicated the importance of being thoughtful as to how to grow that area as it is a lifeline to Las Vegas.

Director Larkin Thomason next discussed Brightline, noting that NDOT is receiving a lot of positive feedback and hopes to hear about the results of the \$3.75 billion grant submitted to Federal Railroad Administration (FRA) the following month. The Director noted that this is a \$12 billion project and explained that the final environmental studies were completed, and that the finding of no significant impact (FONSI) was finalized in July.

Director Larkin Thomason informed the Board of the Downtown Access Project to replace the current viaduct, which is comprised of two bridges built in 1968 and 1980, located along US 95 from Rancho Drive to Mojave Road. The Director explained that a public meeting begins today and runs online through September 14, 2023, and that there will also be an in-person meeting on Tuesday, October 29, 2023, from 4:00 p.m. to 7:00 p.m. The Director indicated that four (4) new design alternatives will be presented, and the public is asked to submit questions or comments on the design via the website at ndotdap.com.



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Director Larkin Thomason concluded her report by explaining that NDOT is working closely with AGC and other partners on work zone safety, including working with the DMV about work zone safety targeting teen drivers. The Director explained that NDOT is following Oklahoma's example, where work zone safety questions are added to the driver's test in order for new teen drivers to be prepared.

4. Consideration of Approval of the July 10, 2023, Nevada Department of Transportation Board of Directors Meeting Minutes. – For Possible Action

Member Justin Kalb asked if it is normal that we write the attendance and what the individual spoke to for the public comment?

Lieutenant Governor Stavros Anthony, suggest we check with our Legal Team to make sure NDOT's minutes are being properly typed up following the NRS.

Motion: Approve the July 10, 2023, NDOT Board of Directors Meeting Minutes with an addendum to include the number of those in opposition to the US Highway 50 project as reflected in the second period of public comment.

By: Member Stephen Ascuaga

Second: Member Virginia Valentine

Vote: Passed unanimously

5. Receive information on the DRAFT Fiscal Year 2024 Annual Work Program and 2023-2026 Statewide Transportation Improvement Program (STIP) amendment. – Informational item only

Sondra Rosenberg, NDOT Assistant Director for Planning, discussed the annual update to the Statewide Transportation Improvement Program (STIP) and information on the annual work program. Assistant Director Rosenberg noted that the planning process begins with goals and performance measures. The development of financial forecasts determines the best way to invest those resources to reach the intended goals, make the necessary investments, and then evaluate and make adjustments as needed. Assistant Director Rosenberg explained that there is a federal requirement for the STIP, which is a four-year document, with a new one adopted every two years, on which NDOT continuously works on the mid-range and long-range elements. The Assistant Director indicated that this year's is an amendment, not an entirely new document. The Assistant Director further explained that the federal requirement for long range is a 20-year plan, which is a policy plan and does not need to be a project-specific plan. Assistant Director Rosenberg next indicated that NDOT is working to improve its ten-year plan so as to be able to list some of the projects in the same format as the STIP.



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Assistant Director Rosenberg next discussed the six goal areas: enhance safety; preserve infrastructure; optimize mobility; transform economies; foster sustainability; and connect communities, and noted that the size of each of these goals is relevant to the weighting of these goals. The Assistant Director noted that each project is scored and ranked, and goes through a process called harmonization, which looks at funding eligibility. The Assistant Director explained that several federal funding sources have specific requirements, such as: readiness year; dependencies; the order in which things need to go; what program or projects help NDOT to meet its performance targets; and geographic distribution around the state.

Assistant Director Rosenberg discussed anticipated available funding with the group. The Assistant Director reiterated that NDOT is looking at amending its four-year STIP. The Assistant Director indicated that there is some estimation of carry-forward balances; but generally, between state and federal fund sources, there is between \$900 million and \$1 billion available to NDOT per year to spend on its program. The Assistant Director further noted that in addition to this, NDOT's partner agencies at the Metropolitan Planning Organizations are sub-allocated portions of some of the federal fund sources that come through the state. Assistant Director Rosenberg explained that Congestion Mitigation and Air Quality (CMAC) is only eligible to be spent in Clark and Washoe County, and that the counties themselves have the ability to determine how those funds are spent.

Assistant Director Rosenberg explained that the item for information this month and approval next month is the Annual Work Program and information regarding the STIP, which is approved by the Federal Highway Administration, EPA, and FTA, but that the NDOT Board approves the annual listing of projects. The Assistant Director indicated that the entire list will be available for two weeks for public comments starting the Monday following this meeting, and can be viewed at the standard location for the STIP, or at estip.Nevada.com. The Assistant Director explained that the existing approved listing is currently posted and the second link for the draft documents will be posted the following week.

Assistant Director Rosenberg indicated that NDOT is often asked about the geographic distribution of the available funds and reiterated that all of the federal fund sources have specific requirements, but that in general, NDOT looks at the miles it maintains throughout the state, approximately 70 percent of which are outside of urban areas. The Assistant Director explained that the vehicle miles traveled are heavily weighted towards Clark County, but the revenue is distributed a bit differently than the population. The Assistant Director indicated that while NDOT does not have a specific formula, these are the factors considered with the program. The Assistant Director indicated that for the 2023-2026 program, NDOT felt the importance to separate out preservation of the existing system, and as such, preservation projects worked out to approximately 47 percent outside of the urban areas, 32 percent in Clark County, 21 percent in Washoe



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County, whereas everything outside the preservation programs worked out to approximately 63 percent in Clark County, 23 percent in Washoe County, and 14 percent outside of the urban areas.

Assistant Director Rosenberg reiterated that NDOT is working on better public documentation of its ten-year program, and noted that there are some very large major projects coming up over the next ten years, all in different stages. The Assistant Director indicated that NDOT will likely be seeking federal discretionary grants for all of these projects, in addition to the \$300 million per year needed for preservation of the existing system.

SEC .2. CONSENT AGENDA: Items No. 6 through No. 17

Lieutenant Governor Stavros explained that items 6 through 17 will be taken together unless any of the Board members wish to hear an item separately.

Member Justin Kalb requested that item 13 be taken separately from the consent agenda.

Contracts over \$5,000,000 from June 9, 2023, to July 13, 2023

6. Contract 3988, Project No. NHP-STBG-395-2(045), on US 395 from 0.2 mile east of the Cold Springs Interchange to the state line, with Q & D CONSTRUCTION, LLC, to cold mill and place plantmix bituminous surface with open grade, Washoe County, Nevada. – *For possible action*

Agreements over \$300,000 from June 9, 2023, through July 13, 2023

7. Agreement 063-23-016, with GRAYMAR ENVIRONMENTAL SERVICES, INC., to provide emergency response hazmat cleanup services, statewide, Nevada. – *For possible action*
 8. Agreement 104-23-015, with PARAMETRIX, INC., to provide environmental and engineering services for the 1-80 Verdi Bridge Replacements Project, Washoe County, Nevada. – *For possible action*
 9. Agreement 627-22-040, with 4LEAF CONSULTING, INC., to perform professional and technical engineering services for the construction of Project NHP-015-1(164), I-15 South Phase II Capacity Project, Clark County, Nevada. – *For possible action*
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10. Amendment 01, Agreement 229-19-007A, with TRAFFIC SAFETY CONSULTANTS, LLC, to continue and increase performance of Temporary Traffic Control Specialist and Managers Courses, Elko, Clark, Washoe Counties, Nevada. – *For possible action*
11. Amendment 02, Agreement 088-22-040, with 4LEAF CONSULTING, INC., for construction augmentation of Crew 902, to ensure the construction and oversight of Project SPSR- 0613(001), Summerlin Parkway Preservation Project, Clark County, Nevada. – *For possible action*
12. Amendment 03, Agreement 548-20-015, with CDM SMITH, INC., for continued support, analysis, and assistance with the Advisory Working Group (AWG) recommendations, statewide, Nevada. – *For possible action*
13. Amendment 04, Agreement 411-19-016, with NARWHAL MET, LLC, DBA THE NARWHAL GROUP, for continued maintenance of the Department's growing Intelligent Transportation Systems (ITS) infrastructure and associated electrical systems, Clark, Nye, Esmerelda, Mineral, and Lincoln Counties, Nevada. – *For possible action*

This item was taken separately from the consent agenda, per the request of Member Justin Kalb.

Right-of-Way

14. REL 23-05 – Relinquishment of the Three Kids Mine materials site, Clark County, Nevada. – *For possible action*
15. SUR 18-17 – Disposal of a surplus parcel of land within Las Vegas, Clark County, Nevada. – *For possible action*
16. SUR 18-18 – Disposal of a surplus parcel of land within Las Vegas, Clark County, Nevada. – *For possible action*

General Administration

17. Contracts, Agreements, and Settlements/Judgements – 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*
-



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Motion: Approve Consent Agenda Items 6 through 12 and 14 through 17
By: Member Virginia Valentine
Second: Controller Andy Matthews
Vote: Passed unanimously

END OF CONSENT AGENDA

SEC. 3. ITEMS TAKEN SEPARATELY FROM CONSENT AGENDA

13. Amendment 04, Agreement 411-19-016, with NARWHAL MET, LLC, DBA THE NARWHAL GROUP, for continued maintenance of the Department's growing Intelligent Transportation Systems (ITS) infrastructure and associated electrical systems, Clark, Nye, Esmerelda, Mineral, and Lincoln Counties, Nevada. – *For possible action*

Member Justin Kalb asked for some clarification regarding this item, noting that the original contract amount was approximately \$1.7 million, and multiple amendments have already brought this amount up to approximately \$7.9 million, with the current amendment adding \$3.5 million more. Member Kalb wished to ensure that the Board has taken current pricing into consideration, as well as pricing provided by other contractors.

Rod Schilling, NDOT Chief Traffic Operations Engineer, indicated that NDOT has taken this into consideration and indicated that there are limited resources for this type of program with this amendment. Mr. Schilling explained that Narwhal is the contractor that performs ITS in the District 1 area, and that NDOT is looking into having Narwhal protect the infrastructure statewide with a security system. Mr. Schilling discussed the chronic issue of vandalism and noted that NDOT has worked with its partners and its legal team to look into this, and all have determined that time is of the essence given that infrastructure has already suffered significant losses, both fiscally and in terms of resources. As such, Mr. Schilling explained that NDOT is attempting to utilize its existing contractor to perform this service, and explained that because NDOT does not know if there is a qualified vendor that can perform this type of work, NDOT is doing a pilot to gather this information, which includes looking at the structural, communication, power, and everything to do with securities with the infrastructure to ensure that it falls in line with the statues to protect the infrastructure. Mr. Schilling concluded by informing the Board that currently NDOT is losing millions of dollars and using different mitigation strategies to try and protect that.

Member Justin Kalb thanked Mr. Schilling for the update and noted that this does address the issue.



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Motion: Approve Item 13 - Amendment 04, Agreement 411-19-016, with NARWHAL MET, LLC, DBA THE NARWHAL GROUP, for continued maintenance of the Department's growing Intelligent Transportation Systems (ITS) infrastructure and associated electrical systems, Clark, Nye, Esmerelda, Mineral, and Lincoln Counties, Nevada. – *For possible action*

By: Member Justin Kalb
Second: Member Virginia Valentine
Vote: Passed unanimously

SEC. 4. ADDITIONAL BUSINESS ITEMS

18. 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*

There was no executive session.

19. Public Comment: A period devoted to comments by the general public about matters relevant to the Board's jurisdiction will be held. No vote may be taken upon a matter not listed on the posted agenda. Comments will be limited to three minutes. Please clearly state your name and SPELL your last name for the record. If any of the Board wishes to extend the length of a presentation, this will be done by the Chair, or the Board by majority vote.

Christopher Ireland (phonetic), Pine Wild resident described a violent accident that took place at approximately 5:00 pm the night before, noting that this happens almost monthly on the section of highway involved. Ms. Ireland implored NDOT to take action to ensure the safety of this stretch of road, stating that the public-comment presented in the July does not represent all the residents of this area.

Matthew Albanese, Pine Wild resident, also discussed the accident that took place on this stretch of road the day before, noting his angst and fear as his wife and two daughters were not yet home at the time. Mr. Albanese also implored NDOT to take action and be proactive in the area of Highway 50 called Dead Man's Curve, 200 yards north of the Pine Wild Complex.



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Director Larkin Thomason noted for the record that seven public comments were received on this subject on Friday, and all were sent out to the Board.

There was no additional public comment.

20. Adjournment – For Possible Action

Lieutenant Governor Anthony adjourned the August 14, 2023, Nevada Department of Transportation Board of Directors Meeting.

DRAFT



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Public Comment for Review

Public Comment received by 4:00 P.M. (Pacific Time) on the business day prior to the meeting.

Christopher Ireland 8/9/2023: The lives of those of us who live adjacent to highway 50 are threatened daily by this dangerous stretch of road. Please do not listen to the few loud voices who suggest silly solutions like "more enforcement" or "install a roundabout at Marla Bay." They have not paid attention to the excellent work you've done in researching this problem and architecting potential solutions. We have attended every meeting and read every word of your planning document. It is an excellent example of how to approach these types of complex and challenging problems. We did not express our support when the lane repainting experiment was announced because we assumed it was a logical outcome of the research and could not be derailed by a few complaints. You will not be able to please everyone, but by going forward with experiments to see what works, you will be safeguarding the lives of hundreds of residents. That is your highest responsibility.

Joseph Herold 8/9/2023: I am a resident living adjacent to Highway 50 between Spooner summit and Round Hill. I exit and enter my community from/to Highway 50 daily, and without any light, roundabout or turn lane it is highly dangerous. The specific challenges I face include the blind turn south of Zephyr Cove, speeding cars and trucks, people parked on either side of the highway from Skyland to Round Hill crossing the road with children and beach gear, and pedestrians and cyclists trying to use the shoulder. At my community specifically, I have been nearly rear-ended multiple times when trying to turn into our entrance. I strongly support NDOT's attempt to improve the safety of this roadway. I understand that no solution will please everyone, but hope you will listen to those of us who must drive this section daily rather than those who occasionally use it for recreation or who don't want their commute slowed. This is an urgent concern. I watch helplessly as crashes and fatalities continue, hoping it is not someone I know. NDOT's highest mandate should be the safety of its roadways. This stretch of Highway 50 is not safe.

Gerald Balentine 8/10/2023: I heard there is an exciting new program in place at NDOT where they are reorganizing and reallocating funds more efficiently. Apparently, this program is at step 8, but we have yet to be told how it is working for the board. Perhaps DD Jeff Lerud who is said to be leading this project could report to the board and the public on this matter at a future meeting?

Todd Bissell 8/10/23: We have lived in Pine Wild for over a dozen years. It is beside Hwy 50 near Round Hill and Zephyr Heights. Entering onto or exiting from Hwy 50 is a daily danger. NDOT has an opportunity to improve the safety for traffic and pedestrians in this area and should do so. When turning into Pine Wild at Lakeshore Blvd while heading North on Hwy 50, cars behind us in the left lane will often dart into the right lane at the last second, surprising speeding cars behind them to see us stopped in the fast lane of the freeway with our left-turn signal on. We are sitting ducks for getting rear-ended by cars and trucks traveling 55+ mph. It has almost happened numerous times.



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Cars in the Northbound right lane are also at risk from cars behind us swerving into their lane at the last second to avoid hitting us. Cars heading South are at risk of someone in our Northbound lane turning left sooner than safe just to avoid being rear-ended. Installing the dedicated middle turn lane on the agenda would correct all of these risks and make that intersection safe. Reducing the lanes from two to one would likely slow traffic down to the posted limit and also add to the safety of everyone in the area. For these reasons, I believe that installing the middle turn lane is a better option than installing speed bumps. I see no good reason not to approve this proposal. Traveling South in this area is not much safer. There is a blind corner south of the Zephyr Cove Resort and there was a fatal accident there last year. I have seen several other accidents at the entrance into our neighborhood or very close to it. Again, reducing the lanes from two to one will slow people down and save lives. As you know, there is a pedestrian crossing at this intersection which is often a surprise to tourists and others not familiar with finding a warning light for people crossing the freeway. Reducing the lanes and adding the middle turn lane will improve their safety as well. Please save lives and reduce injuries by reducing the lanes on Hwy 50 and installing a middle turn lane as proposed. Thank you.

William Cobb 8/10/2023: We are commenting on the intersection of Highway 50 with the Marla Bay-Pine Wild-Zephyr Heights roadways. It is dangerous turning out of Marla Bay/Pine Wild in part because of the concrete border wall which was installed by NDOT some years ago which makes it very hard to see on-coming traffic from the north when trying to enter on Highway 50 southbound. More importantly, the absence of a left turn lane (for E/B Highway 50 traffic to turn west into Marla Bay) makes a left turn from Highway 50 very dangerous. The driver has to be concerned about rapidly approaching traffic from the rear (south) as well as trying to find a "window" in N/B Highway 50 traffic to successfully make a turn into Marla Bay. Trying to navigate across Highway 50 to proceed up to Zephyr Heights is pretty much impossible, but short of a traffic light we recognize there is probably little NDOT could do for this maneuver. Barring a traffic light, we would suggest that a left turn lane for N/B Highway 50 traffic trying to turn W/B into Marla Bay would be a dramatic improvement in safety. Thank you for receiving our comments.

Don Brumley 8/11/2023: In Support of Hwy 50 Corridor NDOT Plan! To be clear, the loud voices of naysayers not in support of the Hwy 50 corridor plan, do not represent the quieter voices of the Zephyr Cove area. As a property owner and full-time resident of Zephyr Cove, myself and neighbors are in support of the Hwy 50-corridor plan presented by NDOT. The most dangerous section of Hwy 50 in Nevada, as documented by NDOT, is 1.7 miles between the signal at Zephyr Cove south to Round Hill Pines beach. In this area, there are NO TURNING LANES for the neighborhoods of: Zephyr Cove, Zephyr Knolls, Zephyr Heights, Zephyr Point, Marla Bay, and Pine Wild. We live everyday with the potential of being t-boned and rear-ended trying to get in and out of our neighborhoods and homes every day! We have two blind curves and speeding cars. The people who are concerned about backups and delays, don't realize the amount of time we spend every day waiting and waiting to play it safe to enter the hwy. With every accident, and there have been many,



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there are delays as well. SPEED is an issue in this area. The straight road by Skyland and in front of The Cove beach, allows all motor vehicles to gain speed going into the curves on 50, and there are lots of RV's, campers, and trucks with trailers, all that can't stop in time if needed. I find it frustrating that on Hwy 50 on the straight away in front of Lake Village, there is a digital speed signal reminding folks the speed limit is 35 mph, while in the section of Hwy in Zephyr Cove with multiple curves the speed limit signs are 45 mph until you hit the 30 mph at dead man's curve: 45 mph = 60 mph. There have been countless meetings by NDOT offering community input over the last several years. Stop with the community input and start with the well-crafted and data driven changes to improve the safety of Hwy 50! With every delay in getting on with the NDOT plan, real people are getting hurt or dying on this section of Hwy 50. In addition, the bike lane in the plan will give residents and visitors the opportunity to get out of their cars. I would definitely ride my bike, with a safe bike lane, to Round Hill from The Cove. It is time to get the project started for the safety of all residents and users of the southeast shore of Lake Tahoe. Thank you.

Deborah Brumley 8/11/2023: I support NDOT's plan for the East Shore Corridor of Lake Tahoe. I have been to the outreach meetings for development and have sent many emails to NDOT and the Douglas County Commissioner in support of the plan. I live adjacent to Hwy 50 in Zephyr Cove, the most dangerous section of Hwy 50 in Nevada, as documented by NDOT. We live on a blind curve and have no turn lanes to enter/exit the highway and no acceleration lanes for entry. Cars, trucks, semi's, RV's are going over the speed limit at 60 mph on the highway, barreling through the corridor, as documented by NDOT. Like many of my neighbors, every day I say a prayer when I pull onto the highway, sometimes I have to go right to go left and drive a distance to turn around. I can rarely make the left turn directly into the driveway, again praying that I am not rear-ended, or again needing to go past the drive and turn around again to come back. There are a few opposing loud voices, but they don't live in the neighborhoods without turn lanes. They live in the neighborhoods graced with turn lanes and a straight road and/or they "drive through" our areas. They don't want to be slowed down; please don't listen to them! NDOT's plan will slow traffic, that is just what this section of Highway needs. The majority of the time, the traffic will be the same as it is now, flowing smoothly. If there is a short delay during peak traffic; I will take that over injury and death any day. With every delay in getting on with the NDOT plan, real people are getting hurt or dying on this section of Hwy 50. My daughter, relative, friend, or neighbor could be the next victim. I also fully support the multi-use lanes in the plan. I would like to be able to get out of my car for the short trip to Round Hill Shopping center, but I can't. There is no way to walk or bike the 1.7 miles to the store. How ridiculous is that in Lake Tahoe? A multi-use lane, in the least, from Stateline to Zephyr Cove should reduce car traffic. There have been countless meetings by NDOT offering community input over the last several years. Please, for the sake of the residents of the east shore, proceed with the well-crafted and data driven changes to improve the safety of Hwy 50!



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Public Comment for Review

Public Comment received after 4:00 P.M. (Pacific Time) on the business day prior to the meeting and prior to 5:00 P.M. (Pacific Time) on the day of the meeting.

Chris Moulton 8/11/2023: I am a resident of Zephyr Cove and would like to express my support for the HWY 50 East Shore Corridor Plan and associated restriping project. I believe that restriping should be completed as soon as feasible. Some area residents have concerns about lane reductions, and actually driving in the updated lane configuration can put those concerns to rest. Many people underestimate how hard it is to make a left turn on Highway 50, and will see the benefits of a center turn lane. Since painting lanes is easily reversible, the potential harm from executing a demonstration test is nearly zero. I am glad to see a dedicated bike path included in the HWY 50 East Shore Corridor Plan. This will make it possible to bike to Zephyr Cove Resort, the library, Zephyr Cove Park, and other nearby places of interest without using a car and taking up limited parking spaces in the area. Biking along the highway is dangerous, and residents with children in particular would feel safer using a dedicated bike lane that is separated from the highway. Increased usage of the bike trail would result in fewer cars and less congestion along this section of Highway 50.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 8: Contract 3977, Project No. NHP-0191(124), on I-15, from 0.029 miles south of Lamb Interchange to the beginning of asphalt 0.541 miles north of Lamb Interchange and SR 610, Lamb Boulevard, from North Las Vegas Boulevard to I-15, with HOLCIM - SWR, INC., to cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair, Clark County, Nevada. – *For possible action*

Summary:

July 13, 2023, at 1:30 PM, the following bids were opened for Contract 3977, Project No. NHP-0191(124), on I-15, from 0.029 miles south of Lamb Interchange to the beginning of asphalt 0.541 miles north of Lamb Interchange and SR 610, Lamb Boulevard, from North Las Vegas Boulevard to I-15, in Clark County, to cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair.

Holcim - SWR, Inc.....	\$5,861,066.47
Las Vegas Paving Corporation.....	\$6,242,980.80
CG&B Enterprises, Inc.....	\$6,863,411.96
Engineer’s Estimate.....	\$6,535,532.92

List of Attachment(s):

- A. Concurrence in Award Memorandum
- B. Unofficial Bid Results
- C. Disadvantaged Business Enterprise (DBE) Goal
- D. Bid Review and Analysis Team (BRAT) Summary Report

Recommendation for Board Action:

Award contract 3977, to HOLCIM - SWR, INC., in the amount of \$5,861,066.47.

Prepared by:

Administrative Services Division



MEMORANDUM
Administrative Services

July 28, 2023

To: Tracy Larkin Thomason, P.E., Director
Sajid Sulahria, Deputy Director of Project Delivery and Engineering
Jenica Keller, Assistant Director, Operations

From: Vanessa Pickles, Contract Services Manager, Administrative Services DS
VP

Subject: Concurrence in Award for Contract No. 3977, Project No. NHP-0191(124), on I-15, from 0.029 miles South of Lamb Interchange to the beginning of asphalt 0.541 miles North of Lamb Interchange and SR 610, Lamb Boulevard, from North Las Vegas Boulevard to I-15, in Clark County, described as: cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair. The Engineer's Estimate is \$6,535,532.92.

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

Bid proposals were opened on July 13, 2023. Holcim - SWR, Inc. is the apparent low bidder at \$5,861,006.47 and they submitted a properly executed proposal, bid bond, and anti-collusion affidavit. The second low bidder is Las Vegas Paving Corporation with a bid of \$6,242,980.80.

The project is Federally funded, required 8.50% DBE participation, and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by Holcim - SWR, Inc. have been reviewed and confirmed by Contract Services. The DBE information submitted by Holcim - SWR, Inc. has been reviewed and certified by the External Civil Rights office. Holcim - SWR, Inc. has met the required DBE participation with a 9.01% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chairs have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain Transportation Board approval of the award at the September 2023 meeting.

Concurrence in award:

DocuSigned by:

6385A0236DD14C4
Sajid Sulahria, Deputy Director

DocuSigned by:

044648F26D98447
Jenica Keller, Assistant Director

DocuSigned by:

692091E630D041F
Tracy Larkin Thomason, P.E., Director

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



Nevada Department of Transportation
Unofficial Bid Results
 July 13, 2023

Contract Number: 3977	Bid Opening Date and Time: 7/13/2023 1:30 PM
Designer: JEFFREY JOHNSON	Liquidated Damages: \$4,700.00
Senior Designer: AARON LOBATO	Working Days: 80
Estimate Range: R26 \$5,500,000.01 to \$6,600,000	District: DISTRICT 1
Project Number: NHP-0191(124)	

County: CLARK
Location: I-15, from 0.029 miles South of Lamb Interchange to the beginning of asphalt 0.541 miles North of Lamb Interchange and SR 610, Lamb Boulevard, from North Las Vegas Boulevard to I-15
Description: cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair

Apparent Low Bidder: <u>Holcim - SWR, Inc.</u>	Actual Bid \$5,861,066.47
Apparent 2nd: <u>Las Vegas Paving Corporation</u>	\$6,242,980.80
Apparent 3rd: <u>CG&B Enterprises, Inc.</u>	\$6,863,411.96

Bidders:	Actual Bid Amount
1 Holcim - SWR, Inc. 4675 W. Teco Ave Las Vegas, NV 89118 (702) 649-6250	\$5,861,066.47
2 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	\$6,242,980.80
3 CG&B Enterprises, Inc. 221 Sunpac Avenue Henderson, NV 89011- (702) 565-6564	\$6,863,411.96



Attachment C

123 E Washington Ave.
Las Vegas, Nevada 89101
Phone: (775) 888-7497
Fax: (775) 888-7235

MEMORANDUM
External Civil Rights

July 26, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services
From: Julie Boyster, DBE/Title VI Asst Mgr. ^{DS} JB
Subject: NDOT Bidder DBE Information – Location 1-15 from 0.029 miles of South of Lamb Interchange and SR 610. Scope of Work: cold mill, place plantmix bituminous surface with open grade, reconstruct and concrete spall repair

Apparent low bid: \$5,861,066.47

The DBE information for The Barajas Group, MC4 Construction and Sunday River Corp submitted by the apparent low bidder, Holcim-SWR, Inc has been received by External Civil Rights and we have concluded:

The Barajas Group, MC4 Construction and Sunday River Corp holds an active State of Nevada business license. MC4 Construction and Sunday River Corp holds active Nevada State Contractors Board license. All firms are Nevada certified DBE firms and clear of State disqualification and Federal exclusion.

The DBE goal of 8.5% has been met with a 9.01% DBE committed participation by the apparent low bidder Holcim-SWR, Inc

The DBE firm is approved for this contract.

cc: Contract Services
External Civil Rights
Teri Lewis, SBE/DBE/Title VI Manager [



Attachment D

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

MEMORANDUM
Administrative Services

July 27, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services Division

From: Bid Review and Analysis Team

Subject: BRAT Summary Report for Contract No.: 3977


The Bid Review and Analysis Team (BRAT) met on July 25, 2023, to discuss bids for the above referenced contract. The following were in attendance:

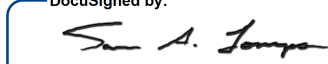
Scott Hein, Chief Roadway Design Engineer
Sam Lompa, Chief Construction Engineer
Ryan Bennett, Associate Engineer
Cori Brennan, Management Analyst
Mark Caffaratti, Professional Engineer
Tiffany Carr, Professional Engineer
Brian Deal, Professional Engineer
Samantha Dowd, Professional Engineer
Mebrahtu Gobena, Associate Engineer
Shawn Hilbert, Associate Engineer
Jeffrey Johnson, Associate Engineer
Tyrell Kizer, Associate Engineer
Megan Ko, Associate Engineer
Andrew Lawrence, Professional Engineer
Kody Livreri, Associate Engineer
Eric MacGill, Associate Engineer
Kevin Maxwell, Professional Engineer
Matt Parker, Landscape Architect
Vic Peters, Associate Engineer
Vanessa Pickles, Contract Services Manager
Ramona Rodela, Associate Engineer
Bhupinder Sandhu, Professional Engineer
Jesse Smithson Professional Engineer
Mike Taylor, Professional Engineer
Michael West, Associate Engineer
Thomas Young, Professional Engineer
Eric Yount, Professional Engineer

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

The apparent lowest responsive bidder, Holcim – SWR, Inc., submitted a bid which is 89.7% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

E7F2D4506AC6488...
Scott Hein, BRAT Co-Chair

DocuSigned by:

B55C00ABA04F48F...
Sam Lompa, BRAT Co-Chair

cc: Attendees
Lori Story, Legal
Design Admin

Bid Tabulation

July 13, 2023

Attachment D

Contract No.: 3977
Description: cold mill, place plantmix bituminous surface with open grade, reconstruct, and concrete spall repair
Location: I-15, from 0.029 miles South of Lamb Interchange to the beginning of asphalt 0.541 miles North of Lamb Interchange and SR 610, Lamb
Bid Opening: July 13, 2023

Project No.: NHP-0191(124)
Project Id: 61050
County: Clark
Range: R26 (\$5,500,000.01 to \$6,600,000.00)
Working: 80 days

Item No.	Quantity	Unit	Description	Engineer's Estimate		Holcim - SWR, Inc.		Las Vegas Paving Corporation		CG&B Enterprises, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2000100	30.000	HOUR	SURVEY CREW	\$400.00	\$12,000.00	\$325.00	\$9,750.00	\$320.00	\$9,600.00	\$363.00	\$10,890.00
2010100	1.000	LS	CLEARING AND GRUBBING	\$35,000.00	\$35,000.00	\$15,480.00	\$15,480.00	\$25,300.00	\$25,300.00	\$18,565.00	\$18,565.00
2020160	240.000	LINFT	REMOVAL OF EXPANSION JOINTS	\$100.00	\$24,000.00	\$89.00	\$21,360.00	\$43.63	\$10,471.20	\$60.50	\$14,520.00
2020515	15,515.000	EACH	REMOVAL OF RAISED PAVEMENT MARKER	\$1.75	\$27,151.25	\$1.20	\$18,618.00	\$1.16	\$17,997.40	\$1.20	\$18,618.00
2020755	1.000	EACH	REMOVE EXISTING PEDESTAL MOUNT CONTROLLER	\$150.00	\$150.00	\$5,414.00	\$5,414.00	\$4,400.00	\$4,400.00	\$2,624.00	\$2,624.00
2020935	3.370	CUYD	REMOVAL OF COMPOSITE SURFACE	\$1,050.00	\$3,538.50	\$2,332.00	\$7,858.84	\$1,000.00	\$3,370.00	\$460.00	\$1,550.20
2020990	148,828.900	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$3.00	\$446,486.70	\$2.90	\$431,603.81	\$2.50	\$372,072.25	\$4.25	\$632,522.83
2020995	4,464.900	SQYD	REMOVAL OF BITUMINOUS SURFACE (MISCELLANEOUS COLD MILLING)	\$4.00	\$17,859.60	\$6.35	\$28,352.12	\$4.40	\$19,645.56	\$8.00	\$35,719.20
2030140	192.000	CUYD	ROADWAY EXCAVATION	\$140.00	\$26,880.00	\$147.00	\$28,224.00	\$110.00	\$21,120.00	\$58.00	\$11,136.00
2060110	33.000	CUYD	STRUCTURE EXCAVATION	\$168.00	\$5,544.00	\$225.00	\$7,425.00	\$300.00	\$9,900.00	\$63.00	\$2,079.00
2070110	21.000	CUYD	GRANULAR BACKFILL	\$255.00	\$5,355.00	\$352.00	\$7,392.00	\$560.00	\$11,760.00	\$107.00	\$2,247.00
2120801	21,144.000	SQYD	DECORATIVE ROCK (TYPE A)	\$12.00	\$253,728.00	\$12.50	\$264,300.00	\$14.70	\$310,816.80	\$12.75	\$269,586.00
2120803	12,313.000	SQYD	DECORATIVE ROCK (TYPE C)	\$20.00	\$246,260.00	\$13.50	\$166,225.50	\$19.50	\$240,103.50	\$15.30	\$188,388.90
2120804	3,261.000	SQYD	DECORATIVE ROCK (TYPE D)	\$27.00	\$88,047.00	\$51.00	\$166,311.00	\$42.00	\$136,962.00	\$26.40	\$86,090.40
2120930	515.000	SQYD	ROCK COLORING	\$2.00	\$1,030.00	\$8.00	\$4,120.00	\$7.50	\$3,862.50	\$8.25	\$4,248.75
2130560	1.000	EACH	THIRTY-TWO STATION AUTOMATIC CONTROLLER	\$15,000.00	\$15,000.00	\$10,827.00	\$10,827.00	\$36,000.00	\$36,000.00	\$19,475.00	\$19,475.00
3020130	197.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$85.00	\$16,745.00	\$94.50	\$18,616.50	\$100.00	\$19,700.00	\$46.50	\$9,160.50
4020100	152.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$70.00	\$10,640.00	\$187.00	\$28,424.00	\$60.00	\$9,120.00	\$630.00	\$95,760.00
4020190	17,610.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$120.00	\$2,113,200.00	\$125.00	\$2,201,250.00	\$115.00	\$2,025,150.00	\$133.35	\$2,348,293.50
4030120	5,951.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$150.00	\$892,650.00	\$148.00	\$880,748.00	\$160.00	\$952,160.00	\$142.00	\$845,042.00
4060120	606.000	SQYD	PRIME COAT	\$4.50	\$2,727.00	\$2.50	\$1,515.00	\$4.90	\$2,969.40	\$0.75	\$454.50
4090375	100.000	SQFT	SPALL REPAIR	\$500.00	\$50,000.00	\$271.00	\$27,100.00	\$444.63	\$44,463.00	\$1,090.00	\$109,000.00
4090730	180.000	SQFT	REPAIR CONCRETE SLAB	\$450.00	\$81,000.00	\$108.00	\$19,440.00	\$387.83	\$69,809.40	\$1,089.00	\$196,020.00
4970100	3,928.000	SQYD	BRIDGE DECK PREPARATION	\$7.50	\$29,460.00	\$9.20	\$36,137.60	\$9.00	\$35,352.00	\$3.63	\$14,258.64
4970110	3,928.000	SQYD	THIN BONDED MULTILAYER OVERLAY	\$65.00	\$255,320.00	\$78.54	\$308,505.12	\$50.00	\$196,400.00	\$102.00	\$400,656.00
5020360	1.000	FA	CONCRETE BRIDGE DECK REPAIR	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
5020390	1.000	FA	REPAIR CONCRETE STRUCTURE	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
5020720	2.860	CUYD	CLASS A CONCRETE (MINOR)	\$4,400.00	\$12,584.00	\$4,689.00	\$13,410.54	\$3,100.00	\$8,866.00	\$5,619.00	\$16,070.34
5020730	0.164	CUYD	CLASS A CONCRETE (ISLAND PAVING)	\$4,400.00	\$721.60	\$3,420.00	\$560.88	\$7,500.00	\$1,230.00	\$13,250.00	\$2,173.00
5022010	240.000	LINFT	PREFORMED JOINT FILLER, (2 1/2-INCH)	\$75.00	\$18,000.00	\$157.00	\$37,680.00	\$24.41	\$5,858.40	\$109.00	\$26,160.00
5050100	292.000	POUND	REINFORCING STEEL	\$5.00	\$1,460.00	\$3.25	\$949.00	\$2.37	\$692.04	\$2.40	\$700.80
6030110	32.000	LINFT	12-INCH REINFORCED CONCRETE PIPE, CLASS III	\$150.00	\$4,800.00	\$538.00	\$17,216.00	\$294.00	\$9,408.00	\$400.00	\$12,800.00
6090260	36.000	EACH	ADJUSTING MANHOLE COVERS (METHOD B)	\$1,900.00	\$68,400.00	\$626.00	\$22,536.00	\$1,800.00	\$64,800.00	\$2,247.00	\$80,892.00
6090600	54.000	EACH	ADJUSTING VALVE COVERS (METHOD B)	\$1,250.00	\$67,500.00	\$466.00	\$25,164.00	\$1,200.00	\$64,800.00	\$1,520.00	\$82,080.00
6090610	1.000	EACH	ADJUSTING VALVE COVERS (METHOD C)	\$1,750.00	\$1,750.00	\$2,030.00	\$2,030.00	\$1,100.00	\$1,100.00	\$2,480.00	\$2,480.00
6091040	818.000	POUND	STRUCTURAL STEEL GRATES	\$4.50	\$3,681.00	\$4.35	\$3,558.30	\$6.50	\$5,317.00	\$6.70	\$5,480.60
6130350	71.000	LINFT	CLASS A CONCRETE GLUE DOWN CURB (TYPE A)	\$55.00	\$3,905.00	\$38.00	\$2,698.00	\$70.00	\$4,970.00	\$96.30	\$6,837.30
6130690	38.000	LINFT	CLASS A CONCRETE CURB AND GUTTER (TYPE 5)	\$80.00	\$3,040.00	\$63.50	\$2,413.00	\$125.00	\$4,750.00	\$230.00	\$8,740.00
6131100	12.100	SQYD	CLASS A CONCRETE SIDEWALK (4-INCH)	\$250.00	\$3,025.00	\$133.00	\$1,609.30	\$500.00	\$6,050.00	\$720.00	\$8,712.00
6180250	448.000	LINFT	REMOVE AND RESET GUARDRAIL	\$10.75	\$4,816.00	\$11.50	\$5,152.00	\$11.30	\$5,062.40	\$290.00	\$129,920.00
6180270	1.000	EACH	TRAILING END ANCHOR	\$2,050.00	\$2,050.00	\$2,220.00	\$2,220.00	\$2,240.00	\$2,240.00	\$2,420.00	\$2,420.00

Bid Tabulation

July 13, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Holcim - SWR, Inc.		Las Vegas Paving Corporation		CG&B Enterprises, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6180360	1.000	EACH	GUARDRAIL TERMINAL (TANGENTIAL)	\$4,800.00	\$4,800.00	\$6,172.00	\$6,172.00	\$6,200.00	\$6,200.00	\$2,420.00	\$2,420.00
6180540	63.000	LINFT	GALVANIZED GUARDRAIL	\$125.00	\$7,875.00	\$86.50	\$5,449.50	\$85.00	\$5,355.00	\$273.00	\$17,199.00
6210100	12.000	EACH	PERPETUATE SURVEY MONUMENTS	\$1,425.00	\$17,100.00	\$2,025.00	\$24,300.00	\$2,100.00	\$25,200.00	\$1,210.00	\$14,520.00
6230232	1.000	EACH	NO. 5 PULL BOX, MODIFIED	\$2,000.00	\$2,000.00	\$2,301.00	\$2,301.00	\$2,340.00	\$2,340.00	\$2,572.00	\$2,572.00
6230236	8.000	EACH	NO. 7 PULL BOX, MODIFIED	\$2,000.00	\$16,000.00	\$2,650.00	\$21,200.00	\$2,700.00	\$21,600.00	\$2,963.00	\$23,704.00
6230775	28.000	EACH	LOOP DETECTOR	\$1,250.00	\$35,000.00	\$1,202.00	\$33,656.00	\$1,220.00	\$34,160.00	\$1,344.00	\$37,632.00
6231820	769.000	LINFT	3-INCH CONDUIT	\$50.00	\$38,450.00	\$90.00	\$69,210.00	\$91.00	\$69,979.00	\$100.00	\$76,900.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$84,000.00	\$84,000.00	\$84,000.00	\$84,000.00	\$84,000.00	\$84,000.00	\$84,000.00	\$84,000.00
6240140	80.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,150.00	\$92,000.00	\$1,055.00	\$84,400.00	\$1,350.00	\$108,000.00	\$635.00	\$50,800.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$567,000.00	\$567,000.00	\$169,225.00	\$169,225.00	\$208,000.00	\$208,000.00	\$159,741.00	\$159,741.00
6280120	1.000	LS	MOBILIZATION	\$584,430.27	\$584,430.27	\$310,000.00	\$310,000.00	\$612,657.00	\$612,657.00	\$393,900.00	\$393,900.00
6321200	1.760	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$10,500.00	\$18,480.00	\$11,639.00	\$20,484.64	\$25,111.00	\$44,195.36	\$27,625.00	\$48,620.00
6321262	80.000	SQFT	POLYUREA PAVEMENT STRIPING (VARIES)	\$15.00	\$1,200.00	\$13.50	\$1,080.00	\$7.94	\$635.20	\$8.75	\$700.00
6321270	0.880	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$10,700.00	\$9,416.00	\$11,639.00	\$10,242.32	\$25,111.00	\$22,097.68	\$27,625.00	\$24,310.00
6330100	10,870.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$3.00	\$32,610.00	\$3.30	\$35,871.00	\$3.88	\$42,175.60	\$4.30	\$46,741.00
6330110	4,645.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$4.00	\$18,580.00	\$3.30	\$15,328.50	\$4.47	\$20,763.15	\$5.00	\$23,225.00
6341030	1,635.000	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$14.00	\$22,890.00	\$13.00	\$21,255.00	\$24.57	\$40,171.95	\$27.00	\$44,145.00
6341060	2,669.000	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$13.00	\$34,697.00	\$13.00	\$34,697.00	\$12.29	\$32,802.01	\$13.50	\$36,031.50
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$53,500.00	\$53,500.00	\$20,000.00	\$20,000.00	\$49,000.00	\$49,000.00	\$13,880.00	\$13,880.00
Totals:					\$6,535,532.92		\$5,861,066.47		\$6,242,980.80		\$6,863,411.96

Price Sensitivity

July 13, 2023

Attachment D

Contract No.: 3977
 Project No.: NHP-0191(124)
 Project Id: 61050
 County: Clark
 Range: R26 (\$5,500,000.01 to \$6,600,000.00)
 Working: 80 days

RE: Megan Ko
 Designer: Jeffrey Johnson

Engineer's Estimate	Holcim - SWR, Inc.	Las Vegas Paving Corporation	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$6,535,532.92	\$5,861,066.47	\$6,242,980.80	\$381,914.33	-\$674,466.45	89.7%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2020990	148828.900	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$3.00	\$2.90	\$2.50	954,785.825	641.5%	96.7%	No	EE OK/ QTY OK
2120801	21144.000	SQYD	DECORATIVE ROCK (TYPE A)	\$12.00	\$12.50	\$14.70	-173,597.423	-821.0%	104.2%	No	EE OK/ QTY OK
2120803	12313.000	SQYD	DECORATIVE ROCK (TYPE C)	\$20.00	\$13.50	\$19.50	-63,652.388	-517.0%	67.5%	Yes	EE OK/ QTY OK
2120804	3261.000	SQYD	DECORATIVE ROCK (TYPE D)	\$27.00	\$51.00	\$42.00	42,434.926	1301.3%	188.9%	Yes	EE OK/ QTY OK
4020190	17610.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$120.00	\$125.00	\$115.00	38,191.433	216.9%	104.2%	No	EE OK/ QTY OK
4030120	5951.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$150.00	\$148.00	\$160.00	-31,826.194	-534.8%	98.7%	No	EE OK/ QTY OK
4090730	180.000	SQFT	REPAIR CONCRETE SLAB	\$450.00	\$108.00	\$387.83	-1,364.808	-758.2%	24.0%	Yes	EE OK/ QTY OK
4970110	3928.000	SQYD	THIN BONDED MULTILAYER OVERLAY	\$65.00	\$78.54	\$50.00	13,381.721	340.7%	120.8%	No	EE OK/ QTY OK
6090260	36.000	EACH	ADJUSTING MANHOLE COVERS (METHOD B)	\$1,900.00	\$626.00	\$1,800.00	-325.310	-903.6%	32.9%	Yes	EE OK/ QTY OK
6090600	54.000	EACH	ADJUSTING VALVE COVERS (METHOD B)	\$1,250.00	\$466.00	\$1,200.00	-520.319	-963.6%	37.3%	Yes	EE OK/ QTY OK
6231820	769.000	LINFT	3-INCH CONDUIT	\$50.00	\$90.00	\$91.00	-381,914.330	-49663.8%	180.0%	Yes	EE OK/ QTY OK
6240140	80.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,150.00	\$1,055.00	\$1,350.00	-1,294.625	-1618.3%	91.7%	No	EE OK/ QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$567,000.00	\$169,225.00	\$208,000.00	N/A	N/A	29.8%	Yes	EE OK, Price includes Portable Precast Concrete Barrier Rail / QTY OK
6280120	1.000	LS	MOBILIZATION	\$584,430.27	\$310,000.00	\$612,657.00	N/A	N/A	53.0%	Yes	Fixed Percentage 10%
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$53,500.00	\$20,000.00	\$49,000.00	-13.169	-1316.9%	37.4%	Yes	EE OK/ QTY OK

Additional Comments The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities; no errors were identified. All other prices and quantities have been verified. **BRAT Recommends to Award**

Purpose and Need of Project: This project begins on I-15, Clark County, from 0.029 Miles South of Lamb Interchange to start of the asphalt seam, 0.541 Miles North of Lamb Interchange. The second portion of the project is on SR610, Lamb Blvd, from North Las Vegas Blvd to I 15. Phase 1 project improvements on I-15 will consist of a mill and overlay, concrete spall repair, hydraulic improvements, upgrade existing luminaires, signals, and signal poles, landscape improvements and bridge deck repair work.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 9: Contract 3982, Project No. NHP-015-1(164), on I-15 South, from Sloan Road to just north of Warm Springs, with FISHER SAND AND GRAVEL CO., to widen, construct auxiliary lanes, restripe, cold mill, and place plantmix bituminous surface with open grade, Clark County, Nevada. – *For possible action*

Summary:

August 3, 2023, at 2:00 PM, the following bids were opened for Contract 3982, Project No. NHP-015-1(164), on I-15 South, from Sloan Road to just north of Warm Springs, in Clark County, to widen, and construct auxiliary lanes, restripe, cold mill, and place plantmix bituminous surface with open grade.

Fisher Sand & Gravel Co.....	\$73,030,303.03
Las Vegas Paving Corporation.....	\$81,000,000.00
William Charles Inc.....	\$94,596,423.84
Engineer’s Estimate.....	\$71,631,200.37

List of Attachment(s):

- A. Concurrence in Award Memorandum
- B. Unofficial Bid Results
- C. Disadvantaged Business Enterprise (DBE) Goal
- D. Bid Review and Analysis Team (BRAT) Summary Report

Recommendation for Board Action:

Award contract 3982, to FISHER SAND AND GRAVEL CO., in the amount of \$73,030,303.03.

Prepared by:

Administrative Services Division



Attachment A

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

MEMORANDUM
Administrative Services

August 18, 2023

To: Tracy Larkin Thomason, P.E., Director
 Sajid Sulahria, Deputy Director of Project Delivery and Engineering
 Jenica Keller, Assistant Director, Operations

From: Vanessa Pickles, Contract Services Manager, Administrative Services

Subject: Concurrence in Award for Contract No. 3982, Project No. NHP-015-1(164), on I-15 South, from Sloan Road to just North of Warm Springs, in Clark County, described as: widen, construct auxiliary lanes, restripe, cold mill and place plantmix bituminous surface with open grade. The Engineer's Estimate is \$71,631,200.37.

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

Bid proposals were opened on August 3, 2023. Fisher Sand & Gravel Co. is the apparent low bidder at \$73,030,303.03 and they submitted a properly executed proposal, bid bond, and anti-collusion affidavit. The second low bidder is Las Vegas Paving Corporation with a bid of \$81,000,000.00.

The project is Federally funded, required 9.50% DBE participation, and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by Fisher Sand & Gravel Co. have been reviewed and confirmed by Contract Services. The DBE information submitted by Fisher Sand & Gravel Co., has been reviewed and certified by the External Civil Rights office. Fisher Sand & Gravel Co. has met the required DBE participation with a 10.69% commitment. The bid is within the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chair has provided his recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain Transportation Board approval of the award at the October 2023 meeting.

Concurrence in award:

DocuSigned by:

 Sajid Sulahria, Deputy Director

DocuSigned by:

 Jenica Keller, Assistant Director

DocuSigned by:

 Tracy Larkin Thomason, P.E., Director

Enclosures:
 Unofficial Bid Results
 DBE Sub Approval
 BRAT Summary Report



Nevada Department of Transportation
Unofficial Bid Results
 August 03, 2023

Contract Number: 3982	Bid Opening Date and Time: 8/3/2023 2:00 PM
Designer:	Liquidated Damages: \$10,000.00
Senior Designer: CURTIS HARTZELL	Working Days: 450
Estimate Range: R40 \$71,000,000.01 to \$85,000,000	District: DISTRICT 1
Project Number: NHP-015-1(164)	

County: CLARK

Location: I-15 South, from Sloan Road to just North of Warm Springs

Description: widen, construct auxiliary lanes, restripe, cold mill and place plantmix bituminous surface with open grade

	Actual Bid
Apparent Low Bidder: <u>Fisher Sand & Gravel Co.</u>	<u>\$73,030,303.03</u>
Apparent 2nd: <u>Las Vegas Paving Corporation</u>	<u>\$81,000,000.00</u>
Apparent 3rd: <u>William Charles Inc.</u>	<u>\$94,596,423.84</u>

Bidders:	Actual Bid Amount
1 Fisher Sand & Gravel Co. 1302 W Drivers Way Tempe, AZ 85284 (480) 730-1033	\$73,030,303.03
2 Las Vegas Paving Corporation 4420 South Decatur Boulevard Las Vegas, NV 89103 (702) 251-5800	\$81,000,000.00
3 William Charles Inc. 4615 N Lamb Blvd. Las Vegas, NV 89115 (815) 654-4700	\$94,596,423.84



Attachment C

123 E. Washington Ave.
Las Vegas, Nevada 89101
Phone: (775) 888-7497
Fax: (775) 888-7235

MEMORANDUM
External Civil Rights

August 8, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services

From: Jess Lis, DBE Specialist

DS

Subject: NDOT Bidder DBE Information – Contract no. 3982, I-15 South, from Sloan Road to just North of Warm Springs, in CLARK County, widen, construct auxiliary lanes, restripe, cold mill and place plantmix bituminous surface with open grade

Apparent low bid: \$73,030,303.03

The DBE information for GMConstruction* and MC4 Construction LLC, submitted by the apparent low bidder, Fisher Sand & Gravel Co., has been received by External Civil Rights and we have concluded:

GMConstruction and MC4 Construction LLC, holds an active State of Nevada business licenses and are Nevada certified DBE firms. Additionally, GMConstruction, and MC4 Construction LLC holds an active Nevada State Contractors Board license. All firms are clear of State disqualification and Federal exclusion.

The DBE goal of 9.5% has been met with a 10.69% DBE committed participation by the apparent low bidder Fisher Sand & Gravel Co.

The DBE firms are approved for this contract.

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

* Participation percentage was verified by submitted DBE Commitment Letters



Attachment D

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

MEMORANDUM
Administrative Services

August 18, 2023

To: Cori Brennan, Assistant Chief, Administrative Services Division
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract No.: 3982


The Bid Review and Analysis Team (BRAT) met on August 15, 2023, to discuss bids for the above referenced contract. The following were in attendance:

Scott Hein, Chief Roadway Design Engineer
Ryan Bennett, Associate Engineer
Mark Caffaratti, Professional Engineer
Brian Cwikowski, Associate Engineer
Samantha Dowd, Professional Engineer
Shina Ford, Associate Engineer
David Fox, Professional Engineer
Steve Hale, Professional Engineer
Ashton Hunter, Associate Engineer
Eric MacGill, Associate Engineer
Kevin Maxwell, Professional Engineer
Shawn Meagher
James Moore, Associate Engineer
Matthew Parker, Landscape Architect
Percy Penafiel, Professional Engineer
Danja Petro
Joselio Ramirez, Professional Engineer
William Renter, Associate Engineer
Sierra Udey
Michael West, Associate Engineer

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

The apparent lowest responsive bidder, Fisher Sand & Gravel Co., submitted a bid which is 102.00% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

E7F2D4506AC6488...

Scott Hein, BRAT Co-Chair

cc: Attendees
Sam Lompa
Lori Story, Legal
Design Admin

Bid Tabulation**August 3, 2023**

Attachment D

Contract No.: 3982
Description: widen, construct auxiliary lanes, restripe, cold mill and place plantmix bituminous surface with open grade
Location: I-15 South, from Sloan Road to just North of Warm Springs
Bid Opening: August 3, 2023

Project No.: NHP-015-1(164)
Project Id: 61003
County: Clark
Range: R40 (\$71,000,000.01 to
Working: 450

Item No.	Quantity	Unit	Description	Engineer's Estimate		Fisher Sand & Gravel Co.		Las Vegas Paving Corporation		William Charles Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1100050	3,000.000	HOUR	TRAINING	\$0.80	\$2,400.00	\$0.80	\$2,400.00	\$0.80	\$2,400.00	\$0.80	\$2,400.00
2000100	100.000	HOUR	SURVEY CREW	\$215.00	\$21,500.00	\$250.00	\$25,000.00	\$295.00	\$29,500.00	\$302.70	\$30,270.00
2010120	55.140	ACRE	CLEARING AND GRUBBING	\$1,900.00	\$104,766.00	\$1,600.00	\$88,224.00	\$2,500.00	\$137,850.00	\$7,825.21	\$431,482.08
2010180	1.000	FA	URBAN CLEARING	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
2020125	1.000	LS	REMOVAL OF PORTION OF BRIDGE	\$10,000.00	\$10,000.00	\$100,000.00	\$100,000.00	\$46,000.00	\$46,000.00	\$50,000.00	\$50,000.00
2020185	1.000	LS	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	\$9,000.00	\$9,000.00	\$50,000.00	\$50,000.00	\$67,000.00	\$67,000.00	\$500,000.00	\$500,000.00
2020285	413.000	LINFT	REMOVAL OF CULVERT PIPE	\$60.00	\$24,780.00	\$60.00	\$24,780.00	\$170.00	\$70,210.00	\$203.84	\$84,185.92
2020310	1,135.000	SQYD	REMOVAL OF CONCRETE SLAB	\$12.00	\$13,620.00	\$45.00	\$51,075.00	\$38.00	\$43,130.00	\$58.58	\$66,488.30
2020380	59.000	LINFT	REMOVE CONCRETE CHANNEL	\$250.00	\$14,750.00	\$85.00	\$5,015.00	\$200.00	\$11,800.00	\$113.41	\$6,691.19
2020400	7,782.000	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$16.00	\$124,512.00	\$15.00	\$116,730.00	\$21.00	\$163,422.00	\$35.81	\$278,673.42
2020450	15.000	EACH	REMOVE END SECTION	\$450.00	\$6,750.00	\$850.00	\$12,750.00	\$1,750.00	\$26,250.00	\$635.56	\$9,533.40
2020475	3,611.000	LINFT	REMOVAL OF GUARDRAIL	\$8.00	\$28,888.00	\$6.00	\$21,666.00	\$6.10	\$22,027.10	\$5.82	\$21,016.02
2020535	2.000	EACH	REMOVAL OF PORTION OF HEADWALL	\$15,000.00	\$30,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$6,699.97	\$13,399.94
2020585	470.000	LINFT	REMOVAL OF FENCE	\$13.00	\$6,110.00	\$30.00	\$14,100.00	\$16.00	\$7,520.00	\$25.31	\$11,895.70
2020595	341.000	LINFT	REMOVAL OF CHAIN LINK FENCE	\$18.00	\$6,138.00	\$35.00	\$11,935.00	\$20.00	\$6,820.00	\$30.37	\$10,356.17
2020625	3.000	EACH	REMOVE EMBANKMENT PROTECTOR	\$1,200.00	\$3,600.00	\$1,000.00	\$3,000.00	\$6,450.00	\$19,350.00	\$3,894.76	\$11,684.28
2020640	1.000	LS	REMOVE RIPRAP	\$30,000.00	\$30,000.00	\$15,000.00	\$15,000.00	\$4,730.00	\$4,730.00	\$6,366.09	\$6,366.09
2020655	12.000	CUYD	REMOVAL OF GROUTED RIPRAP	\$200.00	\$2,400.00	\$55.00	\$660.00	\$129.00	\$1,548.00	\$336.36	\$4,036.32
2020840	1.000	LS	REMOVE BOULDERS	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$37,000.00	\$37,000.00	\$7,275.17	\$7,275.17
2020841	1.000	LS	RESET BOULDERS	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$35,000.00	\$35,000.00	\$6,571.57	\$6,571.57
2020895	44.000	EACH	REMOVE LIGHTING FIXTURES	\$225.00	\$9,900.00	\$120.00	\$5,280.00	\$330.00	\$14,520.00	\$117.44	\$5,167.36
2020900	17.000	EACH	REMOVE SIGN LIGHTING FIXTURE	\$520.00	\$8,840.00	\$600.00	\$10,200.00	\$635.00	\$10,795.00	\$592.25	\$10,068.25
2020921	3.000	EACH	REMOVE FLASHING BEACON SYSTEM	\$1,150.00	\$3,450.00	\$1,700.00	\$5,100.00	\$4,830.00	\$14,490.00	\$1,680.57	\$5,041.71
2020925	58.000	EACH	REMOVAL OF PULL BOX	\$300.00	\$17,400.00	\$150.00	\$8,700.00	\$420.00	\$24,360.00	\$141.73	\$8,220.34
2020935	31.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$400.00	\$12,400.00	\$105.00	\$3,255.00	\$181.00	\$5,611.00	\$130.67	\$4,050.77
2020990	711,213.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD	\$2.50	\$1,778,032.50	\$2.25	\$1,600,229.25	\$2.40	\$1,706,911.20	\$2.83	\$2,012,732.79
2020995	7,082.800	SQYD	REMOVAL OF BITUMINOUS SURFACE	\$7.00	\$49,579.60	\$5.00	\$35,414.00	\$2.40	\$16,998.72	\$8.30	\$58,787.24
2021035	1.000	EACH	REMOVAL OF MANHOLE	\$4,050.00	\$4,050.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$3,755.46	\$3,755.46
2021040	15.000	EACH	REMOVAL OF DROP INLET	\$1,750.00	\$26,250.00	\$5,000.00	\$75,000.00	\$4,600.00	\$69,000.00	\$3,102.73	\$46,540.95
2021110	7.000	EACH	REMOVE IMPACT ATTENUATOR	\$1,850.00	\$12,950.00	\$3,000.00	\$21,000.00	\$4,500.00	\$31,500.00	\$2,692.96	\$18,850.72
2021140	3.000	EACH	REMOVAL OF SIGN	\$460.00	\$1,380.00	\$500.00	\$1,500.00	\$1,500.00	\$4,500.00	\$1,113.63	\$3,340.89
2021160	2.000	EACH	REMOVAL OF DYNAMIC MESSAGE SIGN	\$11,500.00	\$23,000.00	\$20,000.00	\$40,000.00	\$1,200.00	\$2,400.00	\$14,983.39	\$29,966.78
2021220	97.000	LINFT	REMOVAL OF TRENCH DRAIN	\$115.00	\$11,155.00	\$75.00	\$7,275.00	\$125.00	\$12,125.00	\$70.83	\$6,870.51
2021240	30.000	LINFT	REMOVAL OF CORRUGATED METAL PIPE	\$75.00	\$2,250.00	\$100.00	\$3,000.00	\$175.00	\$5,250.00	\$87.64	\$2,629.20
2021255	24,637.000	LINFT	REMOVAL OF TEMPORARY PORTABLE PRECAST	\$7.00	\$172,459.00	\$10.00	\$246,370.00	\$9.00	\$221,733.00	\$10.30	\$253,761.10
2021290	976.000	LINFT	REMOVE PAVEMENT MARKINGS	\$5.25	\$5,124.00	\$3.00	\$2,928.00	\$2.70	\$2,635.20	\$2.53	\$2,469.28
2030140	69,043.700	CUYD	ROADWAY EXCAVATION	\$17.00	\$1,173,742.90	\$20.00	\$1,380,874.00	\$36.00	\$2,485,573.20	\$39.80	\$2,747,939.26
2030160	122.000	CUYD	DRAINAGE EXCAVATION	\$90.00	\$10,980.00	\$30.00	\$3,660.00	\$76.00	\$9,272.00	\$62.00	\$7,564.00
2030170	3,950.300	CUYD	CHANNEL EXCAVATION	\$40.00	\$158,012.00	\$25.00	\$98,757.50	\$51.00	\$201,465.30	\$69.78	\$275,651.93
2030360	6,985.590	SQYD	BASE PREPARATION	\$3.50	\$24,449.57	\$13.00	\$90,812.67	\$10.00	\$69,855.90	\$2.23	\$15,577.87
2060110	22,327.300	CUYD	STRUCTURE EXCAVATION	\$56.00	\$1,250,328.80	\$17.00	\$379,564.10	\$46.00	\$1,027,055.80	\$48.94	\$1,092,698.06
2070110	14,885.300	CUYD	GRANULAR BACKFILL	\$55.00	\$818,691.50	\$37.00	\$550,756.10	\$64.00	\$952,659.20	\$104.76	\$1,559,384.03
2070150	42.800	CUYD	SLURRY CEMENT BACKFILL	\$340.00	\$14,552.00	\$500.00	\$21,400.00	\$800.00	\$34,240.00	\$727.85	\$31,151.98
2110110	9,026.900	CUYD	TOPSOIL (SALVAGE)	\$9.00	\$81,242.10	\$15.00	\$135,403.50	\$11.00	\$99,295.90	\$30.65	\$276,674.49
2120040	17,265.230	SQYD	AESTHETIC PATTERNING	\$30.00	\$517,956.90	\$10.00	\$172,652.30	\$26.65	\$460,118.38	\$24.15	\$416,955.30

Bid Tabulation

August 3, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Fisher Sand & Gravel Co.		Las Vegas Paving Corporation		William Charles Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2120045	84,286.850	SQYD	PAINTING	\$6.50	\$547,864.53	\$5.25	\$442,505.96	\$5.87	\$494,763.81	\$4.86	\$409,634.09
2120050	3,007.000	SQFT	DETAIL PAINTING	\$15.00	\$45,105.00	\$1.00	\$3,007.00	\$7.90	\$23,755.30	\$1.47	\$4,420.29
2120395	24.000	MONTH	PLANT ESTABLISHMENT WORK	\$4,000.00	\$96,000.00	\$9,500.00	\$228,000.00	\$9,150.00	\$219,600.00	\$8,225.68	\$197,416.32
2120400	136.000	EACH	PLANTS (GROUP A)	\$25.00	\$3,400.00	\$350.00	\$47,600.00	\$340.00	\$46,240.00	\$312.65	\$42,520.40
2120580	1.000	LS	TRANSPLANT FLORA	\$50,000.00	\$50,000.00	\$80,000.00	\$80,000.00	\$76,700.00	\$76,700.00	\$123,511.73	\$123,511.73
2120750	3,228.820	LINFT	HEADER BOARDS (METAL)	\$25.00	\$80,720.50	\$11.00	\$35,517.02	\$17.00	\$54,889.94	\$25.08	\$80,978.81
2120801	2,311.000	SQYD	DECORATIVE ROCK (TYPE A)	\$8.50	\$19,643.50	\$13.00	\$30,043.00	\$12.50	\$28,887.50	\$27.67	\$63,945.37
2120802	10,893.300	SQYD	DECORATIVE ROCK (TYPE B)	\$8.50	\$92,593.05	\$13.00	\$141,612.90	\$11.60	\$126,362.28	\$25.34	\$276,036.22
2120803	308,836.800	SQYD	DECORATIVE ROCK (TYPE C)	\$8.50	\$2,625,112.80	\$12.00	\$3,706,041.60	\$9.50	\$2,933,949.60	\$17.95	\$5,543,620.56
2120804	8,722.100	SQYD	DECORATIVE ROCK (TYPE D)	\$18.00	\$156,997.80	\$15.00	\$130,831.50	\$19.00	\$165,719.90	\$23.52	\$205,143.79
2120820	13.000	EACH	DECORATIVE BOULDER (TYPE A)	\$325.00	\$4,225.00	\$175.00	\$2,275.00	\$305.00	\$3,965.00	\$623.01	\$8,099.13
2120830	22.000	EACH	DECORATIVE BOULDER (TYPE B)	\$400.00	\$8,800.00	\$275.00	\$6,050.00	\$400.00	\$8,800.00	\$506.20	\$11,136.40
2120840	20.000	EACH	DECORATIVE BOULDER (TYPE C)	\$750.00	\$15,000.00	\$475.00	\$9,500.00	\$600.00	\$12,000.00	\$556.82	\$11,136.40
2120850	18.000	EACH	DECORATIVE BOULDER (TYPE D)	\$1,000.00	\$18,000.00	\$1,200.00	\$21,600.00	\$960.00	\$17,280.00	\$843.66	\$15,185.88
2120860	8.000	EACH	DECORATIVE BOULDER (TYPE E)	\$1,500.00	\$12,000.00	\$1,900.00	\$15,200.00	\$1,470.00	\$11,760.00	\$1,771.68	\$14,173.44
2120930	10,821.700	SQYD	ROCK COLORING	\$2.00	\$21,643.40	\$4.00	\$43,286.80	\$2.90	\$31,382.93	\$3.29	\$35,603.39
2120940	17.520	SQYD	IMAGE PANEL	\$3,500.00	\$61,320.00	\$11,000.00	\$192,720.00	\$4,390.00	\$76,912.80	\$10,306.14	\$180,563.57
2121951	16.000	EACH	DECORATIVE STRUCTURE (TYPE A)	\$16,000.00	\$256,000.00	\$17,500.00	\$280,000.00	\$12,680.00	\$202,880.00	\$25,588.06	\$409,408.96
3020130	94,595.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$20.00	\$1,891,900.00	\$22.00	\$2,081,090.00	\$24.00	\$2,270,280.00	\$27.97	\$2,645,822.15
3070200	10,867.900	TON	SHOULDERING MATERIAL (LOW DUST)	\$185.00	\$2,010,561.50	\$23.00	\$249,961.70	\$103.00	\$1,119,393.70	\$31.85	\$346,142.62
4020100	270.100	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$35.00	\$9,453.50	\$750.00	\$202,575.00	\$50.00	\$13,505.00	\$146.80	\$39,650.68
4020110	9,078.000	SQYD	PLANTMIX PAVED DITCHES	\$25.00	\$226,950.00	\$14.00	\$127,092.00	\$13.50	\$122,553.00	\$12.15	\$110,297.70
4020190	111,301.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$92.00	\$10,239,692.00	\$105.00	\$11,686,605.00	\$116.00	\$12,910,916.00	\$102.00	\$11,352,702.00
4030120	45,844.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH)	\$140.00	\$6,418,160.00	\$130.00	\$5,959,720.00	\$160.00	\$7,335,040.00	\$112.38	\$5,151,948.72
4060120	124,228.360	SQYD	PRIME COAT	\$1.00	\$124,228.36	\$0.75	\$93,171.27	\$0.60	\$74,537.02	\$1.01	\$125,470.64
4070190	3.500	TON	EMULSIFIED ASPHALT, TYPE SS-1H (DILUTED)	\$1,125.00	\$3,937.50	\$13,000.00	\$45,500.00	\$670.00	\$2,345.00	\$2,039.97	\$7,139.90
4090240	6,933.500	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (12-	\$85.00	\$589,347.50	\$150.00	\$1,040,025.00	\$147.00	\$1,019,224.50	\$127.33	\$882,842.56
4090310	5,200.120	LINFT	SAW LONGITUDINAL WEAKENED PLANE JOINTS	\$6.50	\$33,800.78	\$4.00	\$20,800.48	\$3.60	\$18,720.43	\$6.93	\$36,036.83
4090350	4,610.000	LINFT	SAW TRANSVERSE WEAKENED PLANE JOINTS	\$4.00	\$18,440.00	\$4.00	\$18,440.00	\$4.15	\$19,131.50	\$6.93	\$31,947.30
4090680	44,157.000	SQYD	GRIND CONCRETE PAVEMENT	\$10.00	\$441,570.00	\$7.50	\$331,177.50	\$6.00	\$264,942.00	\$10.63	\$469,388.91
4090700	1,662.000	GAL	PCCP CURING COMPOUND,WAX BASE	\$9.00	\$14,958.00	\$28.00	\$46,536.00	\$10.80	\$17,949.60	\$17.08	\$28,386.96
4970100	4,985.000	SQYD	BRIDGE DECK PREPARATION	\$10.00	\$49,850.00	\$7.00	\$34,895.00	\$1.80	\$8,973.00	\$11.64	\$58,025.40
4970110	4,985.000	SQYD	THIN BONDED MULTILAYER OVERLAY	\$62.00	\$309,070.00	\$65.00	\$324,025.00	\$44.60	\$222,331.00	\$73.40	\$365,899.00
5020250	1,060.000	LINFT	CONCRETE BARRIER RAIL (TYPE FD)	\$100.00	\$106,000.00	\$200.00	\$212,000.00	\$194.00	\$205,640.00	\$262.19	\$277,921.40
5020280	3,316.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$185.00	\$613,460.00	\$115.00	\$381,340.00	\$140.00	\$464,240.00	\$196.95	\$653,086.20
5020281	2,889.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$265.00	\$765,585.00	\$130.00	\$375,570.00	\$254.00	\$733,806.00	\$285.13	\$823,740.57
5020282	8,992.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$115.00	\$1,034,080.00	\$130.00	\$1,168,960.00	\$130.00	\$1,168,960.00	\$251.63	\$2,262,656.96
5020285	1,798.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE C	\$185.00	\$332,630.00	\$130.00	\$233,740.00	\$258.00	\$463,884.00	\$362.74	\$652,206.52
5020360	1.000	FA	CONCRETE BRIDGE DECK REPAIR	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
5020390	1.000	FA	REPAIR CONCRETE STRUCTURE	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00
5020720	54.290	CUYD	CLASS A CONCRETE (MINOR)	\$2,350.00	\$127,581.50	\$1,000.00	\$54,290.00	\$7,250.00	\$393,602.50	\$6,071.71	\$329,633.14
5020730	108.000	CUYD	CLASS A CONCRETE (ISLAND PAVING)	\$560.00	\$60,480.00	\$750.00	\$81,000.00	\$990.00	\$106,920.00	\$853.58	\$92,186.64
5020920	22.000	CUYD	CLASS A CONCRETE, MODIFIED (MAJOR)	\$2,500.00	\$55,000.00	\$1,200.00	\$26,400.00	\$865.00	\$19,030.00	\$1,514.86	\$33,326.92
5020970	12,653.920	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR)	\$750.00	\$9,490,440.00	\$900.00	\$11,388,528.00	\$1,200.00	\$15,184,704.00	\$1,206.11	\$15,262,019.45
5021000	125.790	CUYD	CLASS E CONCRETE, MODIFIED (MAJOR)	\$1,050.00	\$132,079.50	\$1,500.00	\$188,685.00	\$2,000.00	\$251,580.00	\$2,449.05	\$308,066.00
5021200	35.000	LINFT	6-FOOT X 3-FOOT PRECAST CONCRETE BOX	\$1,500.00	\$52,500.00	\$1,500.00	\$52,500.00	\$1,520.00	\$53,200.00	\$2,195.11	\$76,828.85
5021700	166.000	LINFT	EXPANSION JOINT SEALANT	\$80.00	\$13,280.00	\$70.00	\$11,620.00	\$46.00	\$7,636.00	\$98.48	\$16,347.68
5022050	2.000	EACH	CONCRETE PIPE COLLAR	\$2,100.00	\$4,200.00	\$1,200.00	\$2,400.00	\$2,250.00	\$4,500.00	\$2,370.14	\$4,740.28
5050100	1,865,237.000	POUND	REINFORCING STEEL	\$1.00	\$1,865,237.00	\$1.30	\$2,424,808.10	\$1.48	\$2,760,550.76	\$1.44	\$2,685,941.28
5050110	645.000	POUND	REINFORCING STEEL (DOWELED)	\$35.00	\$22,575.00	\$1.30	\$838.50	\$8.80	\$5,676.00	\$14.20	\$9,159.00
5060110	857.000	POUND	STRUCTURAL STEEL	\$15.00	\$12,855.00	\$10.00	\$8,570.00	\$17.00	\$14,569.00	\$5.06	\$4,336.42
5060430	1.000	FA	REPAIR BEAMS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
6000100	43.000	LINFT	TRENCH DRAIN	\$420.00	\$18,060.00	\$600.00	\$25,800.00	\$655.00	\$28,165.00	\$689.16	\$29,633.88

Bid Tabulation

August 3, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Fisher Sand & Gravel Co.		Las Vegas Paving Corporation		William Charles Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6030140	414.000	LINFT	15-INCH REINFORCED CONCRETE PIPE, CLASS III	\$135.00	\$55,890.00	\$65.00	\$26,910.00	\$210.00	\$86,940.00	\$148.17	\$61,342.38
6030170	872.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$160.00	\$139,520.00	\$75.00	\$65,400.00	\$235.00	\$204,920.00	\$348.08	\$303,525.76
6030230	907.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$163,260.00	\$80.00	\$72,560.00	\$200.00	\$181,400.00	\$395.86	\$359,045.02
6031020	12.000	EACH	15-INCH PRECAST END SECTION	\$1,750.00	\$21,000.00	\$1,600.00	\$19,200.00	\$2,650.00	\$31,800.00	\$3,733.08	\$44,796.96
6031030	3.000	EACH	18-INCH PRECAST END SECTION	\$2,175.00	\$6,525.00	\$1,800.00	\$5,400.00	\$2,950.00	\$8,850.00	\$4,634.12	\$13,902.36
6031050	1.000	EACH	24-INCH PRECAST END SECTION	\$4,775.00	\$4,775.00	\$2,000.00	\$2,000.00	\$3,200.00	\$3,200.00	\$6,181.98	\$6,181.98
6040235	28.000	LINFT	15-INCH CORR. METAL PIPE (16 GAGE)	\$225.00	\$6,300.00	\$75.00	\$2,100.00	\$350.00	\$9,800.00	\$438.94	\$12,290.32
6040390	11.000	LINFT	24-INCH CORR. METAL PIPE (16 GAGE)	\$400.00	\$4,400.00	\$120.00	\$1,320.00	\$400.00	\$4,400.00	\$966.12	\$10,627.32
6040545	24.000	LINFT	36-INCH CORR. METAL PIPE (16 GAGE)	\$500.00	\$12,000.00	\$165.00	\$3,960.00	\$750.00	\$18,000.00	\$851.91	\$20,445.84
6041215	6.000	LINFT	71-INCH X 47-INCH CORR. METAL ARCH PIPE (10	\$550.00	\$3,300.00	\$300.00	\$1,800.00	\$1,350.00	\$8,100.00	\$2,305.76	\$13,834.56
6041415	1.000	EACH	71-INCH X 47-INCH METAL ARCH END SECTION	\$6,000.00	\$6,000.00	\$5,500.00	\$5,500.00	\$4,050.00	\$4,050.00	\$10,035.13	\$10,035.13
6042440	1.000	EACH	24-INCH METAL END SECTION	\$1,450.00	\$1,450.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$7,188.02	\$7,188.02
6042475	4.000	EACH	36-INCH METAL END SECTION	\$1,875.00	\$7,500.00	\$2,200.00	\$8,800.00	\$1,500.00	\$6,000.00	\$6,730.33	\$26,921.32
6050140	159.000	LINFT	12-INCH HIGH DENSITY POLYETHYLENE PIPE, TYPE S	\$100.00	\$15,900.00	\$50.00	\$7,950.00	\$150.00	\$23,850.00	\$382.32	\$60,788.88
6080150	10.000	EACH	EMBANKMENT PROTECTOR, TYPE 5	\$5,050.00	\$50,500.00	\$5,000.00	\$50,000.00	\$6,700.00	\$67,000.00	\$9,103.45	\$91,034.50
6080170	3.000	EACH	EMBANKMENT PROTECTOR, TYPE 5-2G	\$5,275.00	\$15,825.00	\$5,000.00	\$15,000.00	\$7,800.00	\$23,400.00	\$8,889.77	\$26,669.31
6080230	13.000	EACH	ANCHOR ASSEMBLY (12-INCH)	\$625.00	\$8,125.00	\$700.00	\$9,100.00	\$1,300.00	\$16,900.00	\$1,119.64	\$14,555.32
6080460	13.000	EACH	12-INCH METAL END SECTION (DOWNDRAIN)	\$1,250.00	\$16,250.00	\$600.00	\$7,800.00	\$850.00	\$11,050.00	\$1,947.72	\$25,320.36
6090260	5.000	EACH	ADJUSTING MANHOLE COVERS (METHOD B)	\$2,100.00	\$10,500.00	\$1,600.00	\$8,000.00	\$2,750.00	\$13,750.00	\$3,524.34	\$17,621.70
6090270	4.000	EACH	ADJUSTING MANHOLE COVERS (METHOD C)	\$1,750.00	\$7,000.00	\$2,500.00	\$10,000.00	\$2,750.00	\$11,000.00	\$2,049.18	\$8,196.72
6090375	9.000	EACH	TYPE 1 MANHOLE	\$10,700.00	\$96,300.00	\$8,000.00	\$72,000.00	\$10,500.00	\$94,500.00	\$15,469.02	\$139,221.18
6090380	6.000	EACH	TYPE 1 MANHOLE (MODIFIED)	\$7,525.00	\$45,150.00	\$8,000.00	\$48,000.00	\$10,800.00	\$64,800.00	\$8,330.62	\$49,983.72
6091030	8,250.000	POUND	CASTINGS	\$3.50	\$28,875.00	\$5.00	\$41,250.00	\$6.00	\$49,500.00	\$4.52	\$37,290.00
6091040	21,643.000	POUND	STRUCTURAL STEEL GRATES	\$3.25	\$70,339.75	\$3.00	\$64,929.00	\$6.00	\$129,858.00	\$6.21	\$134,403.03
6100050	8,078.000	SQYD	GEOTEXTILE (CLASS 1)	\$3.50	\$28,273.00	\$4.00	\$32,312.00	\$3.75	\$30,292.50	\$7.47	\$60,342.66
6100170	63.000	CUYD	RIPRAP (CLASS 150)	\$265.00	\$16,695.00	\$165.00	\$10,395.00	\$320.00	\$20,160.00	\$243.91	\$15,366.33
6100190	64.000	CUYD	RIPRAP (CLASS 300)	\$300.00	\$19,200.00	\$165.00	\$10,560.00	\$390.00	\$24,960.00	\$627.75	\$40,176.00
6100210	2,730.000	CUYD	RIPRAP (CLASS 550)	\$125.00	\$341,250.00	\$100.00	\$273,000.00	\$78.00	\$212,940.00	\$136.64	\$373,027.20
6100460	40.000	CUYD	RIPRAP BEDDING (CLASS 150)	\$280.00	\$11,200.00	\$165.00	\$6,600.00	\$330.00	\$13,200.00	\$404.75	\$16,190.00
6100470	3,669.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$80.00	\$293,520.00	\$100.00	\$366,900.00	\$60.00	\$220,140.00	\$130.74	\$479,685.06
6100490	682.000	CUYD	RIPRAP BEDDING (CLASS 550)	\$108.00	\$73,656.00	\$110.00	\$75,020.00	\$82.00	\$55,924.00	\$144.82	\$98,767.24
6161000	456.000	LINFT	TYPE C-NV-4B FENCE	\$27.00	\$12,312.00	\$130.00	\$59,280.00	\$50.00	\$22,800.00	\$126.55	\$57,706.80
6161200	230.000	LINFT	72-INCH CHAIN-LINK FENCE	\$80.00	\$18,400.00	\$225.00	\$51,750.00	\$77.00	\$17,710.00	\$202.48	\$46,570.40
6180360	22.000	EACH	GUARDRAIL TERMINAL (TANGENTIAL)	\$4,875.00	\$107,250.00	\$6,000.00	\$132,000.00	\$6,000.00	\$132,000.00	\$5,714.95	\$125,728.90
6180390	10.000	EACH	GUARDRAIL-BARRIER RAIL CONNECTION	\$3,875.00	\$38,750.00	\$6,000.00	\$60,000.00	\$5,900.00	\$59,000.00	\$5,659.27	\$56,592.70
6180540	4,164.000	LINFT	GALVANIZED GUARDRAIL	\$55.00	\$229,020.00	\$50.00	\$208,200.00	\$48.00	\$199,872.00	\$46.17	\$192,251.88
6180550	214.000	LINFT	GALVANIZED GUARDRAIL (TRIPLE CORRUGATION)	\$72.00	\$15,408.00	\$85.00	\$18,190.00	\$79.00	\$16,906.00	\$75.93	\$16,249.02
6190210	190.000	EACH	GUIDE POSTS (FLEXIBLE)	\$75.00	\$14,250.00	\$75.00	\$14,250.00	\$85.00	\$16,150.00	\$70.77	\$13,446.30
6190280	26.000	EACH	OBJECT MARKERS, TYPE 3	\$175.00	\$4,550.00	\$160.00	\$4,160.00	\$205.00	\$5,330.00	\$151.86	\$3,948.36
6230201	43.000	EACH	ITS VAULT	\$8,500.00	\$365,500.00	\$10,000.00	\$430,000.00	\$9,800.00	\$421,400.00	\$9,146.95	\$393,318.85
6230226	6.000	EACH	NO. 3-1/2 PULL BOX, MODIFIED	\$1,610.00	\$9,660.00	\$1,450.00	\$8,700.00	\$2,200.00	\$13,200.00	\$1,397.10	\$8,382.60
6230232	34.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,955.00	\$66,470.00	\$3,400.00	\$115,600.00	\$2,800.00	\$95,200.00	\$3,292.30	\$111,938.20
6230236	29.000	EACH	NO. 7 PULL BOX, MODIFIED	\$3,200.00	\$92,800.00	\$5,200.00	\$150,800.00	\$5,300.00	\$153,700.00	\$5,089.29	\$147,589.41
6230245	10.000	EACH	JUNCTION BOX	\$1,450.00	\$14,500.00	\$560.00	\$5,600.00	\$1,320.00	\$13,200.00	\$546.69	\$5,466.90
6230268	2.000	EACH	LUMINAIRE, TYPE B	\$1,150.00	\$2,300.00	\$800.00	\$1,600.00	\$1,650.00	\$3,300.00	\$791.69	\$1,583.38
6230345	12.000	EACH	UNDERPASS LUMINAIRE, (TYPE A)	\$1,610.00	\$19,320.00	\$2,400.00	\$28,800.00	\$3,000.00	\$36,000.00	\$2,319.39	\$27,832.68
6230355	32.000	EACH	UNDERPASS LUMINAIRE, (TYPE C)	\$1,265.00	\$40,480.00	\$2,400.00	\$76,800.00	\$2,500.00	\$80,000.00	\$2,306.23	\$73,799.36
6230501	6.000	EACH	SIGN LIGHTING FIXTURE, LED	\$1,100.00	\$6,600.00	\$1,600.00	\$9,600.00	\$7,900.00	\$47,400.00	\$1,452.78	\$8,716.68
6230653	16.000	EACH	ITS POLE (30 FOOT)	\$11,250.00	\$180,000.00	\$15,000.00	\$240,000.00	\$8,400.00	\$134,400.00	\$14,917.59	\$238,681.44
6230715	53.000	EACH	MODIFY TRAFFIC SIGNAL HEAD	\$500.00	\$26,500.00	\$500.00	\$26,500.00	\$660.00	\$34,980.00	\$460.64	\$24,413.92
6230770	53.000	EACH	PEDESTRIAN PUSH BUTTON WITH SIGN	\$2,025.00	\$107,325.00	\$1,650.00	\$87,450.00	\$1,500.00	\$79,500.00	\$1,600.59	\$84,831.27
6230775	160.000	EACH	LOOP DETECTOR	\$750.00	\$120,000.00	\$1,200.00	\$192,000.00	\$1,600.00	\$256,000.00	\$1,139.95	\$182,392.00
6230921	13.000	EACH	RADAR DETECTOR SYSTEM	\$16,500.00	\$214,500.00	\$6,000.00	\$78,000.00	\$32,000.00	\$416,000.00	\$5,902.24	\$76,729.12

Bid Tabulation

August 3, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Fisher Sand & Gravel Co.		Las Vegas Paving Corporation		William Charles Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6231056	7.000	EACH	MODIFY SIGNAL CABINET	\$3,680.00	\$25,760.00	\$6,000.00	\$42,000.00	\$6,700.00	\$46,900.00	\$5,932.61	\$41,528.27
6231061	11.000	EACH	COMMUNICATION CABINET	\$30,000.00	\$330,000.00	\$25,000.00	\$275,000.00	\$14,700.00	\$161,700.00	\$23,335.62	\$256,691.82
6231259	393.000	LINFT	ETHERNET CABLE	\$5.50	\$2,161.50	\$17.00	\$6,681.00	\$17.00	\$6,681.00	\$16.20	\$6,366.60
6231261	12.000	EACH	FIELD HARDENED ETHERNET SWITCH	\$15,000.00	\$180,000.00	\$12,000.00	\$144,000.00	\$2,400.00	\$28,800.00	\$11,883.45	\$142,601.40
6231320	3.000	EACH	REMOVAL OF TRAFFIC SIGNAL CONTROLLER CABINET	\$1,560.00	\$4,680.00	\$3,000.00	\$9,000.00	\$6,300.00	\$18,900.00	\$2,804.32	\$8,412.96
6231370	1.000	LS	REMOVAL OF CONDUIT AND CONDUCTORS	\$6,000.00	\$6,000.00	\$20,000.00	\$20,000.00	\$27,000.00	\$27,000.00	\$17,514.37	\$17,514.37
6231375	16.000	EACH	REMOVAL OF POLE	\$1,250.00	\$20,000.00	\$2,100.00	\$33,600.00	\$2,650.00	\$42,400.00	\$2,065.28	\$33,044.48
6231395	53.000	EACH	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	\$250.00	\$13,250.00	\$500.00	\$26,500.00	\$620.00	\$32,860.00	\$447.48	\$23,716.44
6231440	3.000	EACH	REMOVE AND RESET HIGH MAST STEEL POLE	\$12,000.00	\$36,000.00	\$35,000.00	\$105,000.00	\$37,000.00	\$111,000.00	\$32,599.00	\$97,797.00
6231445	6.000	EACH	REMOVE AND RESET LIGHT POLE	\$5,750.00	\$34,500.00	\$4,000.00	\$24,000.00	\$5,200.00	\$31,200.00	\$3,995.91	\$23,975.46
6231470	13.000	EACH	REMOVE AND RESET PULL BOX	\$800.00	\$10,400.00	\$1,200.00	\$15,600.00	\$775.00	\$10,075.00	\$1,184.50	\$15,398.50
6231625	11.000	EACH	POWER SUPPLY	\$7,500.00	\$82,500.00	\$35,000.00	\$385,000.00	\$26,800.00	\$294,800.00	\$32,052.31	\$352,575.41
6231635	8.000	EACH	MODIFY ELECTRICAL SERVICE	\$1,725.00	\$13,800.00	\$1,800.00	\$14,400.00	\$1,050.00	\$8,400.00	\$1,793.96	\$14,351.68
6231785	680.000	LINFT	1-INCH CONDUIT (METAL)	\$28.75	\$19,550.00	\$70.00	\$47,600.00	\$78.00	\$53,040.00	\$65.05	\$44,234.00
6231790	7,254.000	LINFT	1 1/4-INCH CONDUIT	\$15.00	\$108,810.00	\$6.25	\$45,337.50	\$8.60	\$62,384.40	\$6.07	\$44,031.78
6231795	86.000	LINFT	1 1/2-INCH CONDUIT	\$20.00	\$1,720.00	\$31.00	\$2,666.00	\$190.00	\$16,340.00	\$30.37	\$2,611.82
6231805	315.000	LINFT	2-INCH CONDUIT	\$27.00	\$8,505.00	\$50.00	\$15,750.00	\$90.00	\$28,350.00	\$48.59	\$15,305.85
6231820	25,482.000	LINFT	3-INCH CONDUIT	\$20.00	\$509,640.00	\$34.00	\$866,388.00	\$26.50	\$675,273.00	\$33.41	\$851,353.62
6231850	25,196.000	LINFT	4-INCH MULTIDUCT CONDUIT	\$25.00	\$629,900.00	\$38.00	\$957,448.00	\$31.00	\$781,076.00	\$37.46	\$943,842.16
6231950	10,752.000	LINFT	NO. 1/0 CONDUCTOR	\$4.30	\$46,233.60	\$6.00	\$64,512.00	\$8.50	\$91,392.00	\$5.72	\$61,501.44
6231955	19,504.000	LINFT	NO. 1 CONDUCTOR	\$4.00	\$78,016.00	\$5.25	\$102,396.00	\$6.40	\$124,825.60	\$5.06	\$98,690.24
6231960	17,519.000	LINFT	NO. 2 CONDUCTOR	\$3.50	\$61,316.50	\$4.50	\$78,835.50	\$5.30	\$92,850.70	\$4.35	\$76,207.65
6231970	12,922.000	LINFT	NO. 4 CONDUCTOR	\$3.30	\$42,642.60	\$3.75	\$48,457.50	\$6.30	\$81,408.60	\$3.54	\$45,743.88
6231975	12,573.000	LINFT	NO. 6 CONDUCTOR	\$2.30	\$28,917.90	\$3.00	\$37,719.00	\$5.30	\$66,636.90	\$2.73	\$34,324.29
6231980	25,232.000	LINFT	NO. 8 CONDUCTOR	\$2.00	\$50,464.00	\$2.50	\$63,080.00	\$3.20	\$80,742.40	\$2.38	\$60,052.16
6232090	99.000	LINFT	25 CONDUCTOR NO. 14 CABLE	\$14.00	\$1,386.00	\$12.00	\$1,188.00	\$95.00	\$9,405.00	\$11.14	\$1,102.86
6232174	1.000	EACH	PATCH PANEL	\$260.00	\$260.00	\$8,000.00	\$8,000.00	\$8,700.00	\$8,700.00	\$7,572.69	\$7,572.69
6232175	37,746.000	LINFT	FIBER OPTIC CABLE	\$5.30	\$200,053.80	\$6.50	\$245,349.00	\$4.25	\$160,420.50	\$6.38	\$240,819.48
6232179	3,961.000	LINFT	FIBER OPTIC BRANCH CABLE	\$25.00	\$99,025.00	\$6.00	\$23,766.00	\$5.30	\$20,993.30	\$5.67	\$22,458.87
6232185	2,639.000	LINFT	COMPOSITE CABLE	\$15.00	\$39,585.00	\$10.00	\$26,390.00	\$20.00	\$52,780.00	\$9.42	\$24,859.38
6232430	3.000	EACH	SIGNAL HEAD 1W3C, BRACKET	\$1,800.00	\$5,400.00	\$2,000.00	\$6,000.00	\$4,100.00	\$12,300.00	\$1,953.92	\$5,861.76
6232645	62.000	LINFT	LEAD-IN CABLE FOR LOOP DETECTORS	\$6.50	\$403.00	\$20.00	\$1,240.00	\$32.00	\$1,984.00	\$15.19	\$941.78
6232660	13,293.000	LINFT	REMOVAL OF EXISTING CABLE	\$2.00	\$26,586.00	\$1.75	\$23,262.75	\$3.20	\$42,537.60	\$1.62	\$21,534.66
6232915	15.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	\$6,500.00	\$97,500.00	\$6,000.00	\$90,000.00	\$5,100.00	\$76,500.00	\$5,957.92	\$89,368.80
6232930	6.000	EACH	VIDEO OPTICAL TRANSCEIVER (VOTR) PAIR	\$3,800.00	\$22,800.00	\$2,300.00	\$13,800.00	\$1,450.00	\$8,700.00	\$2,227.26	\$13,363.56
6233005	1.000	LS	WEIGH-IN-MOTION SYSTEM (6-LANE CONFIGURATION)	\$707,486.00	\$707,486.00	\$625,000.00	\$625,000.00	\$662,000.00	\$662,000.00	\$559,599.26	\$559,599.26
6233030	3.000	EACH	CCTV CAMERA (PTZ)	\$12,000.00	\$36,000.00	\$20,000.00	\$60,000.00	\$9,400.00	\$28,200.00	\$16,866.44	\$50,599.32
6233165	2.000	EACH	DYNAMIC MESSAGE SIGN (TYPE 1-CW)	\$125,000.00	\$250,000.00	\$150,000.00	\$300,000.00	\$146,000.00	\$292,000.00	\$130,699.71	\$261,399.42
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$504,000.00	\$504,000.00	\$504,000.00	\$504,000.00	\$504,000.00	\$504,000.00	\$504,000.00	\$504,000.00
6240140	450.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,450.00	\$652,500.00	\$600.00	\$270,000.00	\$1,385.00	\$623,250.00	\$900.00	\$405,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$3,000,000.00	\$3,000,000.00	\$1,350,000.00	\$1,350,000.00	\$2,255,000.00	\$2,255,000.00	\$5,000,000.00	\$5,000,000.00
6270022	9.000	EACH	PERMANENT OVERHEAD SIGN PANEL, RECONSTRUCT	\$4,600.00	\$41,400.00	\$9,000.00	\$81,000.00	\$12,150.00	\$109,350.00	\$8,504.09	\$76,536.81
6270110	1.000	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$3,130,000.00	\$3,130,000.00	\$3,100,000.00	\$3,100,000.00	\$2,745,000.00	\$2,745,000.00	\$3,800,000.00	\$3,800,000.00
6270130	22.000	EACH	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES, REMOVE	\$9,000.00	\$198,000.00	\$4,500.00	\$99,000.00	\$6,820.00	\$150,040.00	\$3,998.95	\$87,976.90
6270150	7,523.670	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$45.00	\$338,565.15	\$32.00	\$240,757.44	\$59.00	\$443,896.53	\$30.93	\$232,707.11
6270160	6,313.110	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (REMOVE)	\$12.00	\$75,757.32	\$5.00	\$31,565.55	\$15.00	\$94,696.65	\$4.05	\$25,568.10

Bid Tabulation

August 3, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Fisher Sand & Gravel Co.		Las Vegas Paving Corporation		William Charles Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6270190	2,459.300	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$100.00	\$245,930.00	\$90.00	\$221,337.00	\$119.00	\$292,656.70	\$87.72	\$215,729.80
6270200	675.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (SPECIAL METAL SUPPORTS)	\$170.00	\$114,792.50	\$90.00	\$60,772.50	\$53.00	\$35,788.25	\$87.72	\$59,232.93
6270220	333.500	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$65.00	\$21,677.50	\$90.00	\$30,015.00	\$38.00	\$12,673.00	\$87.72	\$29,254.62
6270240	3,393.400	SQFT	PERMANENT SIGNS, REMOVE	\$8.00	\$27,147.20	\$9.00	\$30,540.60	\$2.70	\$9,162.18	\$8.50	\$28,843.90
6270250	132.500	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$10.00	\$1,325.00	\$9.00	\$1,192.50	\$2.60	\$344.50	\$8.50	\$1,126.25
6270260	1,467.000	SQFT	PERMANENT SIGNS, RESET	\$40.00	\$58,680.00	\$90.00	\$132,030.00	\$61.00	\$89,487.00	\$87.72	\$128,685.24
6270300	35.000	EACH	VANDALISM DETERRENT	\$2,750.00	\$96,250.00	\$3,000.00	\$105,000.00	\$3,500.00	\$122,500.00	\$2,885.32	\$100,986.20
6280120	1.000	LS	MOBILIZATION	\$6,510,118.22	\$6,510,118.22	\$7,198,383.94	\$7,198,383.94	\$3,051,447.47	\$3,051,447.47	\$9,500,000.00	\$9,500,000.00
6321200	39.451	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$7,200.00	\$284,047.20	\$9,000.00	\$355,059.00	\$9,200.00	\$362,949.20	\$8,767.31	\$345,879.15
6321220	3.763	MILE	POLYUREA PAVEMENT STRIPING (12-INCH SOLID WHITE)	\$10,000.00	\$37,630.00	\$15,000.00	\$56,445.00	\$13,700.00	\$51,553.10	\$13,150.96	\$49,487.06
6321270	19.192	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$7,500.00	\$143,940.00	\$9,500.00	\$182,324.00	\$9,200.00	\$176,566.40	\$8,767.31	\$168,262.21
6330100	30,442.000	EACH	NON-REFLECTIVE PAVEMENT MARKERS	\$3.00	\$91,326.00	\$3.00	\$91,326.00	\$2.80	\$85,237.60	\$2.68	\$81,584.56
6330110	13,103.000	EACH	REFLECTIVE PAVEMENT MARKERS	\$4.50	\$58,963.50	\$3.00	\$39,309.00	\$2.80	\$36,688.40	\$2.68	\$35,116.04
6341030	1,081.000	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$17.00	\$18,377.00	\$15.00	\$16,215.00	\$13.70	\$14,809.70	\$13.16	\$14,225.96
6341060	1,710.500	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$14.00	\$23,947.00	\$15.00	\$25,657.50	\$13.70	\$23,433.85	\$13.16	\$22,510.18
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$490,393.56	\$490,393.56	\$275,000.00	\$275,000.00	\$925,000.00	\$925,000.00	\$800,000.00	\$800,000.00
6410100	6.000	EACH	IMPACT ATTENUATOR	\$37,000.00	\$222,000.00	\$50,000.00	\$300,000.00	\$37,500.00	\$225,000.00	\$41,001.85	\$246,011.10
6460110	1,180.000	SQYD	BRIDGE DECK PREPARATION	\$12.00	\$14,160.00	\$8.00	\$9,440.00	\$3.25	\$3,835.00	\$15.64	\$18,455.20
6460150	106.000	GAL	CRACK SEALANT	\$145.00	\$15,370.00	\$250.00	\$26,500.00	\$95.00	\$10,070.00	\$464.15	\$49,199.90
Totals:					\$71,631,200.39		\$73,030,303.03		\$81,000,000.00		\$94,596,423.84

Price Sensitivity

August 3, 2023

Attachment D

Contract No.: 3982
 Project No.: NHP-015-1(164)
 Project Id: 61003
 County: Clark
 Range: R40 \$71,000,000.01 to \$85,000,000
 Working: 450

RE: Tonya Santos
 Designer: Curtis Hartzell

Engineer's Estimate	Fisher Sand & Gravel Co.	Las Vegas Paving Corporation	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$71,631,200.39	\$73,030,303.03	\$81,000,000.00	\$7,969,696.97	\$1,399,102.64	102.0%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2010120	55.140	ACRE	CLEARING AND GRUBBING	\$1,900.00	\$1,600.00	\$2,500.00	-8,855.22	-16059.5%	84.2%	No	EE OK/ QTY OK
2020125	1.000	LS	REMOVAL OF PORTION OF BRIDGE	\$10,000.00	\$100,000.00	\$46,000.00	N/A	N/A	1000.0%	Yes	EE OK/ QTY OK
2020310	1135.000	SQYD	REMOVAL OF CONCRETE SLAB	\$12.00	\$45.00	\$38.00	1,138,528.14	100310.8%	375.0%	Yes	EE OK/ QTY OK
2020400	7782.000	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$16.00	\$15.00	\$21.00	-1,328,282.83	-17068.7%	93.8%	No	EE OK/ QTY Low and will increase 718
2020990	711213.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$2.50	\$2.25	\$2.40	-53,131,313.13	-7470.5%	90.0%	No	EE OK/ QTY OK
2021040	15.000	EACH	REMOVAL OF DROP INLET	\$1,750.00	\$5,000.00	\$4,600.00	19,924.24	132828.3%	285.7%	Yes	EE OK/ QTY OK
2021255	24637.000	LINFT	REMOVAL OF TEMPORARY PORTABLE PRECAST CONCRETE BARRIER RAIL	\$7.00	\$10.00	\$9.00	7,969,696.97	32348.5%	142.9%	No	EE OK/ QTY OK
2030140	69043.700	CUYD	ROADWAY EXCAVATION	\$17.00	\$20.00	\$36.00	-498,106.06	-721.4%	117.6%	No	EE OK/ QTY OK
2030170	3950.300	CUYD	CHANNEL EXCAVATION	\$40.00	\$25.00	\$51.00	-306,526.81	-7759.6%	62.5%	Yes	EE OK/ QTY OK
2030360	6985.590	SQYD	BASE PREPARATION	\$3.50	\$13.00	\$10.00	2,656,565.66	38029.2%	371.4%	Yes	EE OK/ QTY OK
2060110	22327.300	CUYD	STRUCTURE EXCAVATION	\$56.00	\$17.00	\$46.00	-274,817.14	-1230.9%	30.4%	Yes	EE OK/ QTY OK
2070110	14885.300	CUYD	GRANULAR BACKFILL	\$55.00	\$37.00	\$64.00	-295,173.96	-1983.0%	67.3%	Yes	EE OK/ QTY OK
2110110	9026.900	CUYD	TOPSOIL (SALVAGE)	\$9.00	\$15.00	\$11.00	1,992,424.24	22072.1%	166.7%	Yes	EE OK/ QTY OK
2120040	17265.230	SQYD	AESTHETIC PATTERNING	\$30.00	\$10.00	\$26.65	-478,660.48	-2772.4%	33.3%	Yes	EE OK/ QTY OK
2120045	84286.850	SQYD	PAINTING	\$6.50	\$5.25	\$5.87	-12,854,349.95	-15250.7%	80.8%	No	EE OK/ QTY OK
2120395	24.000	MONTH	PLANT ESTABLISHMENT WORK	\$4,000.00	\$9,500.00	\$9,150.00	22,770.56	94877.3%	237.5%	Yes	EE OK/ QTY OK
2120580	1.000	LS	TRANSPLANT FLORA	\$50,000.00	\$80,000.00	\$76,700.00	N/A	N/A	160.0%	Yes	EE OK/ QTY OK
2120750	3228.820	LINFT	HEADER BOARDS (METAL)	\$25.00	\$11.00	\$17.00	-1,328,282.83	-41138.3%	44.0%	Yes	EE OK/ QTY OK
2120802	10893.300	SQYD	DECORATIVE ROCK (TYPE B)	\$8.50	\$13.00	\$11.60	5,692,640.69	52258.2%	152.9%	Yes	EE OK/ QTY OK
2120803	308836.800	SQYD	DECORATIVE ROCK (TYPE C)	\$8.50	\$12.00	\$9.50	3,187,878.79	1032.2%	141.2%	No	EE OK/ QTY OK
2120804	8722.100	SQYD	DECORATIVE ROCK (TYPE D)	\$18.00	\$15.00	\$19.00	-1,992,424.24	-22843.4%	83.3%	No	EE OK/ QTY OK
2120940	17.520	SQYD	IMAGE PANEL	\$3,500.00	\$11,000.00	\$4,390.00	1,205.70	6881.9%	314.3%	Yes	EE OK/ QTY OK
2121951	16.000	EACH	DECORATIVE STRUCTURE (TYPE A)	\$16,000.00	\$17,500.00	\$12,680.00	1,653.46	10334.2%	109.4%	No	EE OK/ QTY OK
3020130	94595.000	TON	TYPE 1 CLASS B AGGREGATE BASE	\$20.00	\$22.00	\$24.00	-3,984,848.49	-4212.5%	110.0%	No	EE OK/ QTY OK
3070200	10867.900	TON	SHOULDERING MATERIAL (LOW DUST)	\$185.00	\$23.00	\$103.00	-99,621.21	-916.7%	12.4%	Yes	EE OK/ QTY OK
4020100	270.100	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$35.00	\$750.00	\$50.00	11,385.28	4215.2%	2142.9%	Yes	EE OK/ QTY OK
4020110	9078.000	SQYD	PLANTMIX PAVED DITCHES	\$25.00	\$14.00	\$13.50	15,939,393.94	175582.7%	56.0%	Yes	EE OK/ QTY High and will decrease by 2,092 SQYD
4020190	111301.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$92.00	\$105.00	\$116.00	-724,517.91	-651.0%	114.1%	No	EE OK/ QTY OK
4030120	45844.000	TON	PLANTMIX OPEN-GRADED SURFACING (1/2-INCH) (WET)	\$140.00	\$130.00	\$160.00	-265,656.57	-579.5%	92.9%	No	EE OK/ QTY High and will decrease by 17 Tons.
4060120	124228.360	SQYD	PRIME COAT	\$1.00	\$0.75	\$0.60	53,131,313.13	42769.1%	75.0%	No	EE OK/ QTY OK
4090240	6933.500	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (12-INCH)	\$85.00	\$150.00	\$147.00	2,656,565.66	38314.9%	176.5%	Yes	EE OK, Limited bid item history/ QTY OK
4090680	44157.000	SQYD	GRIND CONCRETE PAVEMENT	\$10.00	\$7.50	\$6.00	5,313,131.31	12032.4%	75.0%	No	EE OK/ QTY OK
4970110	4985.000	SQYD	THIN BONDED MULTILAYER OVERLAY	\$62.00	\$65.00	\$44.60	390,671.42	7836.9%	104.8%	No	EE OK/ QTY OK
5020250	1060.000	LINFT	CONCRETE BARRIER RAIL (TYPE FD)	\$100.00	\$200.00	\$194.00	1,328,282.83	125309.7%	200.0%	Yes	EE OK/ QTY OK
5020280	3316.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$185.00	\$115.00	\$140.00	-318,787.88	-9613.6%	62.2%	Yes	EE OK/ QTY OK
5020281	2889.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B (OFFSET)	\$265.00	\$130.00	\$254.00	-64,271.75	-2224.7%	49.1%	Yes	EE OK/ QTY OK
5020282	8992.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$115.00	\$130.00	\$130.00	N/A	N/A	113.0%	No	EE OK/ QTY OK
5020285	1798.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE C	\$185.00	\$130.00	\$258.00	-62,263.26	-3462.9%	70.3%	Yes	EE OK/ QTY OK
5020720	54.290	CUYD	CLASS A CONCRETE (MINOR)	\$2,350.00	\$1,000.00	\$7,250.00	-1,275.15	-2348.8%	42.6%	Yes	EE OK/ QTY OK
5020730	108.000	CUYD	CLASS A CONCRETE (ISLAND PAVING)	\$560.00	\$750.00	\$990.00	-33,207.07	-30747.3%	133.9%	No	EE OK/ QTY Low and will increase by 5.75 CUYD.
5020920	22.000	CUYD	CLASS A CONCRETE, MODIFIED (MAJOR)	\$2,500.00	\$1,200.00	\$865.00	23,790.14	108137.0%	48.0%	Yes	EE OK/ QTY OK
5020970	12653.920	CUYD	CLASS D CONCRETE, MODIFIED (MAJOR)	\$750.00	\$900.00	\$1,200.00	-26,565.66	-209.9%	120.0%	No	EE OK/ QTY OK
5021000	125.790	CUYD	CLASS E CONCRETE, MODIFIED (MAJOR)	\$1,050.00	\$1,500.00	\$2,000.00	-15,939.39	-12671.4%	142.9%	No	EE OK/ QTY OK
5021200	35.000	LINFT	6-FOOT X 3-FOOT PRECAST CONCRETE BOX CULVERT	\$1,500.00	\$1,500.00	\$1,520.00	-398,484.85	-1138528.1%	100.0%	No	EE OK/ QTY OK
5050100	1865237.000	POUND	REINFORCING STEEL	\$1.00	\$1.30	\$1.48	-44,276,094.28	-2373.8%	130.0%	No	EE OK/ QTY OK
6030140	414.000	LINFT	15-INCH REINFORCED CONCRETE PIPE, CLASS III	\$135.00	\$65.00	\$210.00	-54,963.43	-13276.2%	48.1%	Yes	EE OK/ QTY OK
6030170	872.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$160.00	\$75.00	\$235.00	-49,810.61	-5712.2%	46.9%	Yes	EE OK/ QTY OK
6030230	907.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$80.00	\$200.00	-66,414.14	-7322.4%	44.4%	Yes	EE OK/ QTY OK
6080150	10.000	EACH	EMBANKMENT PROTECTOR, TYPE 5	\$5,050.00	\$5,000.00	\$6,700.00	-4,688.06	-46880.6%	99.0%	No	EE OK/ QTY OK
6090375	9.000	EACH	TYPE 1 MANHOLE	\$10,700.00	\$8,000.00	\$10,500.00	-3,187.88	-35420.9%	74.8%	Yes	EE OK/ QTY OK
6091040	21643.000	POUND	STRUCTURAL STEEL GRATES	\$3.25	\$3.00	\$6.00	-2,656,565.66	-12274.5%	92.3%	No	EE OK/ QTY OK
6100210	2730.000	CUYD	RIPRAP (CLASS 550)	\$125.00	\$100.00	\$78.00	362,258.95	13269.6%	80.0%	No	EE OK/ QTY OK
6100470	3669.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$80.00	\$100.00	\$60.00	199,242.42	5430.4%	125.0%	No	EE OK/ QTY OK
6100490	682.000	CUYD	RIPRAP BEDDING (CLASS 550)	\$108.00	\$110.00	\$82.00	284,632.03	41734.9%	101.9%	No	EE OK/ QTY OK
6161000	456.000	LINFT	TYPE C-NV-4B FENCE	\$27.00	\$130.00	\$50.00	99,621.21	21846.8%	481.5%	Yes	EE OK/ QTY OK

Price Sensitivity
August 3, 2023

6161200	230.000	LINFT	72-INCH CHAIN-LINK FENCE	\$80.00	\$225.00	\$77.00	53,849.30	23412.7%	281.3%	Yes	EE OK/ QTY OK
6180360	22.000	EACH	GUARDRAIL TERMINAL (TANGENTIAL)	\$4,875.00	\$6,000.00	\$6,000.00	N/A	N/A	123.1%	No	EE OK/ QTY OK
6180390	10.000	EACH	GUARDRAIL-BARRIER RAIL CONNECTION	\$3,875.00	\$6,000.00	\$5,900.00	79,696.97	796969.7%	154.8%	Yes	EE OK/ QTY High and will decrease by 1
6180540	4164.000	LINFT	GALVANIZED GUARDRAIL	\$55.00	\$50.00	\$48.00	3,984,848.49	95697.6%	90.9%	No	EE OK/ QTY OK
6230201	43.000	EACH	ITS VAULT	\$8,500.00	\$10,000.00	\$9,800.00	39,848.48	92670.9%	117.6%	No	EE OK/ QTY High and will decrease by 1
6230232	34.000	EACH	NO. 5 PULL BOX, MODIFIED	\$1,955.00	\$3,400.00	\$2,800.00	13,282.83	39067.1%	173.9%	Yes	EE OK/ QTY OK
6230236	29.000	EACH	NO. 7 PULL BOX, MODIFIED	\$3,200.00	\$5,200.00	\$5,300.00	-79,696.97	-274817.1%	162.5%	Yes	EE OK/ QTY OK
6230355	32.000	EACH	UNDERPASS LUMINAIRE, (TYPE C)	\$1,265.00	\$2,400.00	\$2,500.00	-79,696.97	-249053.0%	189.7%	Yes	EE OK/ QTY OK
6230653	16.000	EACH	ITS POLE (30 FOOT)	\$11,250.00	\$15,000.00	\$8,400.00	1,207.53	7547.1%	133.3%	No	EE OK/ QTY OK
6230770	53.000	EACH	PEDESTRIAN PUSH BUTTON WITH SIGN	\$2,025.00	\$1,650.00	\$1,500.00	53,131.31	100247.8%	81.5%	No	EE OK/ QTY OK
6230775	160.000	EACH	LOOP DETECTOR	\$750.00	\$1,200.00	\$1,600.00	-19,924.24	-12452.7%	160.0%	Yes	EE OK/ QTY OK
6230921	13.000	EACH	RADAR DETECTOR SYSTEM	\$16,500.00	\$6,000.00	\$32,000.00	-306.53	-2357.9%	36.4%	Yes	EE OK/ QTY OK
6231061	11.000	EACH	COMMUNICATION CABINET	\$30,000.00	\$25,000.00	\$14,700.00	773.76	7034.2%	83.3%	No	EE High, Should be \$22,500/ QTY OK
6231261	12.000	EACH	FIELD HARDENED ETHERNET SWITCH	\$15,000.00	\$12,000.00	\$2,400.00	830.18	6918.1%	80.0%	No	EE OK/ QTY OK
6231440	3.000	EACH	REMOVE AND RESET HIGH MAST STEEL POLE	\$12,000.00	\$35,000.00	\$37,000.00	-3,984.85	-132828.3%	291.7%	Yes	EE OK/ QTY OK
6231625	11.000	EACH	POWER SUPPLY	\$7,500.00	\$35,000.00	\$26,800.00	971.91	8835.6%	466.7%	Yes	EE OK/ QTY Low and will increase by 1
6231790	7254.000	LINFT	1 1/4-INCH CONDUIT	\$15.00	\$6.25	\$8.60	-3,391,360.41	-46751.6%	41.7%	Yes	EE OK/ QTY OK
6231820	25482.000	LINFT	3-INCH CONDUIT	\$20.00	\$34.00	\$26.50	1,062,626.26	4170.1%	170.0%	Yes	EE Low, Should be closer to \$35/ QTY OK
6231850	25196.000	LINFT	4-INCH MULTIDUCT CONDUIT	\$25.00	\$38.00	\$31.00	1,138,528.14	4518.7%	152.0%	Yes	EE OK/ QTY OK
6231950	10752.000	LINFT	NO. 1/0 CONDUCTOR	\$4.30	\$6.00	\$8.50	-3,187,878.79	-29649.2%	139.5%	No	EE OK/ QTY OK
6231955	19504.000	LINFT	NO. 1 CONDUCTOR	\$4.00	\$5.25	\$6.40	-6,930,171.28	-35532.1%	131.3%	No	EE OK/ QTY OK
6231960	17519.000	LINFT	NO. 2 CONDUCTOR	\$3.50	\$4.50	\$5.30	-9,962,121.21	-56864.7%	128.6%	No	EE OK/ QTY OK
6231980	25232.000	LINFT	NO. 8 CONDUCTOR	\$2.00	\$2.50	\$3.20	-11,385,281.39	-45122.4%	125.0%	No	EE OK/ QTY OK
6232175	37746.000	LINFT	FIBER OPTIC CABLE	\$5.30	\$6.50	\$4.25	3,542,087.54	9384.0%	122.6%	No	EE OK/ QTY OK
6232179	3961.000	LINFT	FIBER OPTIC BRANCH CABLE	\$25.00	\$6.00	\$5.30	11,385,281.39	287434.5%	24.0%	Yes	EE High, Should have been \$9. Bid Item Price history for this Bid Item in Clark County, appear to be lower./ QTY OK
6232915	15.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT	\$6,500.00	\$6,000.00	\$5,100.00	8,855.22	59034.8%	92.3%	No	EE OK/ QTY OK
6233005	1.000	LS	WEIGH-IN-MOTION SYSTEM (6-LANE CONFIGURATION)	\$707,486.00	\$625,000.00	\$662,000.00	-215.40	-21539.7%	88.3%	No	EE OK/ QTY OK
6233030	3.000	EACH	CCTV CAMERA (PTZ)	\$12,000.00	\$20,000.00	\$9,400.00	751.86	25061.9%	166.7%	Yes	EE OK/ QTY OK
6233165	2.000	EACH	DYNAMIC MESSAGE SIGN (TYPE 1-CW)	\$125,000.00	\$150,000.00	\$146,000.00	1,992.42	99621.2%	120.0%	No	EE OK/ QTY OK
6240140	450.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,450.00	\$600.00	\$1,385.00	-10,152.48	-2256.1%	41.4%	Yes	EE OK/ QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$3,000,000.00	\$1,350,000.00	\$2,255,000.00	N/A	N/A	45.0%	Yes	EE OK/ QTY OK
6270022	9.000	EACH	PERMANENT OVERHEAD SIGN PANEL, RECONSTRUCT	\$4,600.00	\$9,000.00	\$12,150.00	-2,530.06	-28111.8%	195.7%	Yes	EE OK/ QTY OK
6270110	1.000	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$3,130,000.00	\$3,100,000.00	\$2,745,000.00	22.45	2245.0%	99.0%	No	EE OK/ QTY OK
6270130	22.000	EACH	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES, REMOVE	\$9,000.00	\$4,500.00	\$6,820.00	-3,435.21	-15614.6%	50.0%	Yes	EE OK/ QTY OK
6270150	7523.670	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$45.00	\$32.00	\$59.00	-295,173.96	-3923.3%	71.1%	Yes	EE OK/ QTY OK
6270160	6313.110	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (REMOVE)	\$12.00	\$5.00	\$15.00	-796,969.70	-12624.0%	41.7%	Yes	EE OK/ QTY OK
6270190	2459.300	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$100.00	\$90.00	\$119.00	-274,817.14	-11174.6%	90.0%	No	EE OK/ QTY OK
6270200	675.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (SPECIAL METAL SUPPORTS)	\$170.00	\$90.00	\$53.00	215,397.22	31898.9%	52.9%	Yes	EE OK/ QTY OK
6270260	1467.000	SQFT	PERMANENT SIGNS, RESET	\$40.00	\$90.00	\$61.00	274,817.14	18733.3%	225.0%	Yes	EE OK/ QTY OK
6270300	35.000	EACH	VANDALISM DETERRENT	\$2,750.00	\$3,000.00	\$3,500.00	-15,939.39	-45541.1%	109.1%	No	EE OK/ QTY OK
6280120	1.000	LS	MOBILIZATION	\$6,510,118.22	\$7,198,383.94	\$3,051,447.47	N/A	N/A	110.6%	No	Fixed Percentage 10%
6321200	39.451	MILE	POLYUREA PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$7,200.00	\$9,000.00	\$9,200.00	-39,848.48	-101007.5%	125.0%	No	EE OK/ QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities; seven quantity errors were identified. Bid Item 2020400, Removal Concrete Barrier Rail, will increase from 7,782 LINFT. to 8,500 LINFT. Bid item 4020110, Plantmix Paved Ditches, quantity will decrease from 9,078 SQYD to 6,986 SQYD. Bid Item 4030120, Plantmix Open-Graded Surface (1/2-Inch)(Wet) will decrease from 45,844 TON to 45,827 TON. Bid Item 5020730, Class A Concrete (Island Paving) will increase from 108 CUYD to 113.75 CUYD. Bid Item 6180390 Guardrail-Barrier Rail Connection will decrease from 10 EA to 9 EA. Bid Item 6230201, ITS Vault will decrease from 43 EA to 42 EA. Bid Item 6231625, Power Supply will increase from 11 EA to 12 EA. All other prices and quantities have been verified. The BRAT found some bid price discrepancies as noted above, but remains confident in the plan quantities and overall pricing. **BRAT Recommends to Award**

Purpose and Need of Project: The project is located on I-15 in Clark County and begins at the Sloan Interchange and continues north to the Warm Springs Interchange. The project will consist of widening and restriping for an additional general-purpose lanes, widen for an auxiliary lane between St. Rose and SR160. Additional items in the project consist of the following: extend all culverts and perpetuate roadside features beyond the limits of new widened corridor; utilize a 1" mill and overlay, regrading, restriping; new median barrier rail with high mast lighting adjustments; perpetuate existing Clark County Flood District channel between Silverado and Blue Diamond; new sound walls near St. Rose, Starr, Cactus, and Blue Diamond interchanges and along I-15; ITS Fiber install; improved landscape and aesthetics throughout the corridor, primarily at St. Rose; improved and added overhead signage.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 10: Contract 3983, Project No. NHP-0191(104), on US 395, north of Reno, from McCarran to Golden Valley Structure, with Q&D RHB, a Joint Venture, to construct northbound and southbound auxiliary lanes, southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation, Washoe County, Nevada. – *For possible action*

Summary:

July 13, 2023, at 2:00 PM, the following bids were opened for Contract 3983, Project No. NHP-0191(104), on US 395, north of Reno, from McCarran to Golden Valley Structure, in Washoe County, to construct northbound and southbound auxiliary lanes, southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation.

Q&D RHB, a joint venture.....	\$230,000,000.00
Granite Construction Company.....	\$238,238,238.00
Engineer’s Estimate.....	\$158,882,042.79

List of Attachment(s):

- A. Concurrence in Award Memorandum
- B. Unofficial Bid Results
- C. Disadvantaged Business Enterprise (DBE) Goal
- D. Bid Review and Analysis Team (BRAT) Summary Report

Recommendation for Board Action:

Award contract 3983, to Q&D RHB, a Joint Venture in the amount of \$230,000,000.00.

Prepared by:

Administrative Services Division

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



MEMORANDUM
Administrative Services

August 2, 2023

To: Tracy Larkin Thomason, P.E., Director
Sajid Sulahria, Deputy Director of Project Delivery and Engineering
Jenica Keller, Assistant Director, Operations

From: Vanessa Pickles, Contract Services Manager, Administrative Services 

Subject: Concurrence in Award for Contract No. 3983, Project No. NHP-0191(104), on US 395, North of Reno, from McCarran to Golden Valley Structure, in Washoe County, described as: construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation. The Engineer's Estimate is \$158,882,042.79.

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

Bid proposals were opened on July 13, 2023. Q&D RHB, a Joint Venture is the apparent low bidder at \$230,000,000.00 and they submitted a properly executed proposal, bid bond, and anti-collusion affidavit. The second low bidder is Granite Construction Company with a bid of \$238,238,238.00.


The project is Federally funded, required 8.00% DBE participation, and is not subject to State Bidder Preference provisions.

The subcontractor and supplier listings submitted by Q&D RHB, a Joint Venture have been reviewed and confirmed by Contract Services. The DBE information submitted by Q&D RHB, a Joint Venture has been reviewed and certified by the External Civil Rights office. Q&D RHB, a Joint Venture has met the required DBE participation with an 8.10% commitment. The bid is above the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chairs have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain Transportation Board approval of the award at the September 2023 meeting.

Concurrence in award:


Sajid Sulahria, Deputy Director


Jenica Keller, Assistant Director


Tracy Larkin Thomason, P.E., Director

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



Nevada Department of Transportation
Unofficial Bid Results
 July 13, 2023

Contract Number: 3983	Bid Opening Date and Time: 7/13/2023 2:00 PM
Designer:	Liquidated Damages: \$13,000.00
Senior Designer: VICTOR PETERS	Working Days: 450
Estimate Range: R44 \$145,000,000.01 to \$175,000,000	District: DISTRICT 2
Project Number: NHP-0191(104)	

County: WASHOE
Location: US 395, North of Reno, from McCarran to Golden Valley Structure
Description: construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation

	Actual Bid
Apparent Low Bidder: <u>Q&D RHB, a Joint Venture</u>	<u>\$230,000,000.00</u>
Apparent 2nd: <u>Granite Construction Company</u>	<u>\$238,238,238.00</u>

Bidders:	Actual Bid Amount
1 Q&D RHB, a Joint Venture P O Box 10865 Reno , NV 89510 (775) 786-2677	\$230,000,000.00
2 Granite Construction Company 585 West Beach Street Watsonville, CA 95076 (831) 724-1011	\$238,238,238.00



Attachment C

123 E Washington Ave.
Las Vegas, Nevada 89101
Phone: (775) 888-7497
Fax: (775) 888-7235

MEMORANDUM
External Civil Rights

July 20, 2023

To: Teresa Schlafter, Deputy Chief, Administrative Services

From: Julie Boyster, DBE/Title VI Asst Mgr. ^{DS}
JB

Subject: NDOT Bidder DBE Information – Contract no. 3983, US 395, North of Reno, from McCarran to Golden Valley Structure. Scope Work: Construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation.

Apparent low bid: \$230,000,000.00

-
- The DBE information for:
- Amalgamated Safety Company
 - Black Diamond Asphalt Inc
 - Carlo Lachmansingh Sales Inc
 - Dees Burke Constructors, LLC
 - Golden Bay Fence Plus Iron Works, Inc
 - Great Basin Water Supply, LLC
 - K & K Construction Supply Inc
 - Kuck Trucking Inc
 - Madole Construction Co., Inc
 - Sagebrush Trucking Inc
 - T K Transportation Inc
 - Tungsten Engineering Contractors

submitted by the apparent low bidder, Q&D RHB, (a joint venture) has been received by External Civil Rights and we have concluded:

All the above DBE's hold an active State of Nevada business license. Amalgamated Safety Company, Dees Burke Constructors, LLC, Golden Bay Fence Plus Iron Works, Inc, Madole Construction Co., Inc, and Tungsten Engineering Contractors holds active Nevada State Contractors Board license. All firms are Nevada DBE certified, clear of State disqualification and Federal exclusion.

The DBE goal of 8.0% has been met with an 8.10% DBE committed participation by the apparent low bidder Q&D RHB, (a joint venture)

The DBE firm is approved for this contract.

cc: Contract Services
External Civil Rights
Teri Lewis, SBE/DBE/Title VI Manager



Attachment D

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

MEMORANDUM
Administrative Services

July 28, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services Division

From: Bid Review and Analysis Team

Subject: BRAT Summary Report for Contract No.: 3983


The Bid Review and Analysis Team (BRAT) met on July 25, 2023, to discuss bids for the above referenced contract. The following were in attendance:

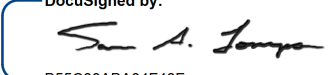
Scott Hein, Chief Roadway Design Engineer
Sam Lompa, Chief Construction Engineer
Ryan Bennett, Associate Engineer
Maya Bourgeois, Administrative Services Chief
Cori Brennan, Management Analyst
Mark Caffaratti, Professional Engineer
Tiffany Carr, Professional Engineer
Brian Deal, Professional Engineer
Samantha Dowd, Professional Engineer
Mebrahtu Gobena, Associate Engineer
Shawn Hilbert, Associate Engineer
Jeffrey Johnson, Associate Engineer
Tyrell Kizer, Associate Engineer
Megan Ko, Associate Engineer
Andrew Lawrence, Professional Engineer
Kody Livreri, Associate Engineer
Eric MacGill, Associate Engineer
Kevin Maxwell, Professional Engineer
Matt Parker, Landscape Architect
Vic Peters, Associate Engineer
Vanessa Pickles, Contract Services Manager
Ramona Rodela, Associate Engineer
Bhupinder Sandhu, Professional Engineer
Jesse Smithson Professional Engineer
Mike Taylor, Professional Engineer
Michael West, Associate Engineer
Thomas Young, Professional Engineer
Eric Yount, Professional Engineer

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

The apparent lowest responsive bidder, Q&D RHB, a Joint Venture, submitted a bid which is 144.8% of the Engineer's Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

E7F2D4506AC6488
Scott Hein, BRAT Co-Chair

DocuSigned by:

B55C00ABA04F48E
Sam Lompa, BRAT Co-Chair

cc: Attendees
Lori Story, Legal
Design Admin

Bid Tabulation

July 13, 2023

Attachment D

Contract No.: 3983**Description:** construct Northbound and Southbound auxiliary lanes, Southbound travel lane, braided ramp at Panther Valley Interchange, and pavement rehabilitation**Location:** US 395, North of Reno, from McCarran to Golden Valley Structure**Bid Opening:** July 13, 2023**Project No.:** NHP-0191(104)**Project Id:** 61052**County:** Washoe**Range:** R44 (\$145,000,000.01 to \$175,000,000.00)**Working:** 450 days

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1100050	700.000	HOUR	TRAINING	\$0.80	\$560.00	\$0.80	\$560.00	\$0.80	\$560.00
2010120	14.500	ACRE	CLEARING AND GRUBBING	\$3,250.00	\$47,125.00	\$20,000.00	\$290,000.00	\$40,000.00	\$580,000.00
2020120	52,752.000	SQFT	REMOVAL OF PORTION OF BRIDGE DECK	\$3.00	\$158,256.00	\$6.00	\$316,512.00	\$6.00	\$316,512.00
2020125	1.000	LS	REMOVAL OF PORTION OF BRIDGE	\$695,000.00	\$695,000.00	\$3,000,000.00	\$3,000,000.00	\$900,000.00	\$900,000.00
2020160	1,072.000	LINFT	REMOVAL OF EXPANSION JOINTS	\$30.00	\$32,160.00	\$22.00	\$23,584.00	\$3.85	\$4,127.20
2020340	84,417.472	SQYD	REMOVAL OF CONCRETE PAVEMENT	\$35.00	\$2,954,611.52	\$20.00	\$1,688,349.44	\$30.00	\$2,532,524.16
2020400	10,763.000	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$20.00	\$215,260.00	\$65.00	\$699,595.00	\$25.00	\$269,075.00
2020450	27.000	EACH	REMOVE END SECTION	\$500.00	\$13,500.00	\$1,200.00	\$32,400.00	\$800.00	\$21,600.00
2020460	3.000	EACH	RESET GUARDRAIL END TREATMENT	\$2,000.00	\$6,000.00	\$1,050.00	\$3,150.00	\$1,060.00	\$3,180.00
2020465	17.000	EACH	REMOVE GUARDRAIL END TREATMENT	\$1,000.00	\$17,000.00	\$790.00	\$13,430.00	\$800.00	\$13,600.00
2020475	16,752.000	LINFT	REMOVAL OF GUARDRAIL	\$6.00	\$100,512.00	\$8.30	\$139,041.60	\$8.00	\$134,016.00
2020565	132.000	LINFT	REMOVAL OF RETAINING WALL	\$80.00	\$10,560.00	\$350.00	\$46,200.00	\$100.00	\$13,200.00
2020580	1,479.000	LINFT	RESET FENCE	\$30.00	\$44,370.00	\$15.00	\$22,185.00	\$32.00	\$47,328.00
2020585	2,145.000	LINFT	REMOVAL OF FENCE	\$10.00	\$21,450.00	\$10.00	\$21,450.00	\$4.50	\$9,652.50
2020885	4.000	EACH	REMOVAL OF LIGHT POLE	\$1,500.00	\$6,000.00	\$1,238.00	\$4,952.00	\$1,238.00	\$4,952.00
2020895	46.000	EACH	REMOVE LIGHTING FIXTURES	\$300.00	\$13,800.00	\$191.00	\$8,786.00	\$191.00	\$8,786.00
2020925	30.000	EACH	REMOVAL OF PULL BOX	\$250.00	\$7,500.00	\$313.00	\$9,390.00	\$313.00	\$9,390.00
2020935	144.000	CUYD	REMOVAL OF COMPOSITE SURFACE	\$90.00	\$12,960.00	\$250.00	\$36,000.00	\$200.00	\$28,800.00
2020990	51,636.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$4.00	\$206,544.00	\$8.00	\$413,088.00	\$6.00	\$309,816.00
2021035	1.000	EACH	REMOVAL OF MANHOLE	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00
2021040	31.000	EACH	REMOVAL OF DROP INLET	\$2,000.00	\$62,000.00	\$2,500.00	\$77,500.00	\$1,800.00	\$55,800.00
2021110	1.000	EACH	REMOVE IMPACT ATTENUATOR	\$2,000.00	\$2,000.00	\$1,250.00	\$1,250.00	\$1,000.00	\$1,000.00
2021230	690.000	LINFT	REMOVAL OF STORM DRAIN PIPE	\$90.00	\$62,100.00	\$200.00	\$138,000.00	\$70.00	\$48,300.00
2021231	220.000	LINFT	REMOVAL OF SLOTTED DRAIN	\$60.00	\$13,200.00	\$300.00	\$66,000.00	\$40.00	\$8,800.00
2021240	328.000	LINFT	REMOVAL OF CORRUGATED METAL PIPE DOWNDRAIN	\$60.00	\$19,680.00	\$145.00	\$47,560.00	\$34.00	\$11,152.00
2021255	9,637.000	LINFT	REMOVAL OF TEMPORARY PORTABLE PRECAST CONCRETE BARRIER RAIL	\$15.00	\$144,555.00	\$30.00	\$289,110.00	\$20.00	\$192,740.00
2021270	5,275.000	SQYD	REMOVAL OF SLOPE PAVING	\$30.00	\$158,250.00	\$39.00	\$205,725.00	\$22.00	\$116,050.00
2021280	948.000	SQYD	REMOVAL OF MEDIAN ISLAND	\$30.00	\$28,440.00	\$64.00	\$60,672.00	\$35.00	\$33,180.00
2021287	183,021.000	LINFT	GRINDING FOR PAVEMENT MARKINGS	\$0.80	\$146,416.80	\$1.30	\$237,927.30	\$1.30	\$237,927.30
2021290	1,081.165	LINFT	REMOVE PAVEMENT MARKINGS	\$4.00	\$4,324.66	\$1.30	\$1,405.51	\$1.30	\$1,405.51
2021295	95.112	SQYD	REMOVE PAVEMENT MARKINGS	\$50.00	\$4,755.60	\$50.00	\$4,755.60	\$50.00	\$4,755.60
2030140	212,747.180	CUYD	ROADWAY EXCAVATION	\$16.00	\$3,403,954.88	\$30.00	\$6,382,415.40	\$38.00	\$8,084,392.84
2030160	8,843.000	CUYD	DRAINAGE EXCAVATION	\$50.00	\$442,150.00	\$100.00	\$884,300.00	\$50.00	\$442,150.00
2030230	114,115.650	CUYD	BORROW EMBANKMENT	\$12.00	\$1,369,387.80	\$45.00	\$5,135,204.25	\$50.00	\$5,705,782.50
2030260	2,272.540	CUYD	SELECTED BORROW EMBANKMENT	\$25.00	\$56,813.50	\$135.00	\$306,792.90	\$80.00	\$181,803.20
2060110	84,012.200	CUYD	STRUCTURE EXCAVATION	\$40.00	\$3,360,488.00	\$110.00	\$9,241,342.00	\$119.00	\$9,997,451.80
2070110	46,146.860	CUYD	GRANULAR BACKFILL	\$45.00	\$2,076,608.70	\$150.00	\$6,922,029.00	\$70.00	\$3,230,280.20
2070150	25.700	CUYD	SLURRY CEMENT BACKFILL	\$250.00	\$6,425.00	\$650.00	\$16,705.00	\$1,200.00	\$30,840.00
2110100	1,773.900	CUYD	TOPSOIL	\$70.00	\$124,173.00	\$170.00	\$301,563.00	\$150.00	\$266,085.00
2110150	6.380	ACRE	SEEDING	\$6,900.00	\$44,022.00	\$9,000.00	\$57,420.00	\$12,000.00	\$76,560.00
2120040	28,485.000	SQYD	AESTHETIC PATTERNING	\$100.00	\$2,848,500.00	\$17.00	\$484,245.00	\$10.00	\$284,850.00
2120045	52,555.000	SQYD	PAINTING	\$8.00	\$420,440.00	\$25.00	\$1,313,875.00	\$34.00	\$1,786,870.00
2120395	12.000	MONTH	PLANT ESTABLISHMENT WORK	\$3,600.00	\$43,200.00	\$4,167.00	\$50,004.00	\$22,250.00	\$267,000.00
2120400	18.000	EACH	PLANTS (GROUP A)	\$55.00	\$990.00	\$190.00	\$3,420.00	\$190.00	\$3,420.00

Bid Tabulation

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Attachment D

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2120410	211.000	EACH	PLANTS (GROUP A-1)	\$70.00	\$14,770.00	\$160.00	\$33,760.00	\$160.00	\$33,760.00
2120430	27.000	EACH	PLANTS (GROUP A-5)	\$120.00	\$3,240.00	\$510.00	\$13,770.00	\$510.00	\$13,770.00
2120803	11,110.000	SQYD	DECORATIVE ROCK (TYPE C)	\$13.50	\$149,985.00	\$45.00	\$499,950.00	\$31.00	\$344,410.00
2120820	24.000	EACH	DECORATIVE BOULDER (TYPE A)	\$250.00	\$6,000.00	\$1,275.00	\$30,600.00	\$765.00	\$18,360.00
2120840	23.000	EACH	DECORATIVE BOULDER (TYPE C)	\$500.00	\$11,500.00	\$2,000.00	\$46,000.00	\$1,150.00	\$26,450.00
2120860	13.000	EACH	DECORATIVE BOULDER (TYPE E)	\$1,500.00	\$19,500.00	\$2,700.00	\$35,100.00	\$1,725.00	\$22,425.00
2120930	34,654.000	SQYD	ROCK COLORING	\$2.00	\$69,308.00	\$6.00	\$207,924.00	\$2.50	\$86,635.00
2121950	2.000	EACH	DECORATIVE STRUCTURE	\$225,000.00	\$450,000.00	\$325,000.00	\$650,000.00	\$170,000.00	\$340,000.00
3020140	48,356.000	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$81.00	\$3,916,836.00	\$92.00	\$4,448,752.00	\$165.00	\$7,978,740.00
3070110	1,675.290	CUYD	SHOULDERING MATERIAL	\$80.00	\$134,023.20	\$157.00	\$263,020.53	\$40.00	\$67,011.60
4020100	1,964.000	SQYD	PLANTMIXING MISCELLANEOUS AREAS	\$20.00	\$39,280.00	\$20.00	\$39,280.00	\$40.00	\$78,560.00
4020110	3,332.000	SQYD	PLANTMIX PAVED DITCHES	\$25.00	\$83,300.00	\$36.00	\$119,952.00	\$73.00	\$243,236.00
4020190	49,806.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$110.00	\$5,478,660.00	\$195.00	\$9,712,170.00	\$200.00	\$9,961,200.00
4030110	2,923.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$150.00	\$438,450.00	\$240.00	\$701,520.00	\$300.00	\$876,900.00
4060120	219,334.000	SQYD	PRIME COAT	\$1.20	\$263,200.80	\$1.45	\$318,034.30	\$1.50	\$329,001.00
4090240	218,536.000	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (12-INCH)	\$110.00	\$24,038,960.00	\$105.00	\$22,946,280.00	\$168.00	\$36,714,048.00
4090310	146,953.780	LINFT	SAW LONGITUDINAL WEAKENED PLANE JOINTS	\$6.00	\$881,722.68	\$5.50	\$808,245.79	\$4.55	\$668,639.70
4090330	60,899.360	LINFT	SAW AND RESEAL JOINTS	\$4.00	\$243,597.44	\$5.00	\$304,496.80	\$6.25	\$380,621.00
4090350	146,953.780	LINFT	SAW TRANSVERSE WEAKENED PLANE JOINTS	\$6.00	\$881,722.68	\$6.00	\$881,722.68	\$4.55	\$668,639.70
4090680	45,447.280	SQYD	GRIND CONCRETE PAVEMENT	\$8.00	\$363,578.24	\$9.00	\$409,025.52	\$11.00	\$499,920.08
4090700	52,640.160	GAL	PCCP CURING COMPOUND,WAX BASE	\$10.00	\$526,401.60	\$10.00	\$526,401.60	\$8.00	\$421,121.28
4090730	7,182.000	SQFT	REPAIR CONCRETE SLAB	\$40.00	\$287,280.00	\$135.00	\$969,570.00	\$80.00	\$574,560.00
4960130	13,532.000	SQYD	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	\$50.00	\$676,600.00	\$65.00	\$879,580.00	\$7.00	\$94,724.00
4960160	1,038,997.000	POUND	POLYMER CONCRETE AGGREGATE	\$0.30	\$311,699.10	\$0.50	\$519,498.50	\$1.00	\$1,038,997.00
4960170	136,695.000	POUND	POLYMER CONCRETE RESIN	\$3.50	\$478,432.50	\$4.00	\$546,780.00	\$4.00	\$546,780.00
5020130	2,276.000	LINFT	SPECIAL CONCRETE BARRIER RAIL	\$180.00	\$409,680.00	\$716.00	\$1,629,616.00	\$1,215.00	\$2,765,340.00
5020275	464.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	\$200.00	\$92,800.00	\$245.00	\$113,680.00	\$175.00	\$81,200.00
5020280	25,095.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$200.00	\$5,019,000.00	\$170.00	\$4,266,150.00	\$175.00	\$4,391,625.00
5020281	10,194.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B (OFFSET)	\$200.00	\$2,038,800.00	\$400.00	\$4,077,600.00	\$305.00	\$3,109,170.00
5020282	6,574.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$150.00	\$986,100.00	\$250.00	\$1,643,500.00	\$270.00	\$1,774,980.00
5020360	1.000	FA	CONCRETE BRIDGE DECK REPAIR	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00
5020380	1.000	FA	CONCRETE SUPERSTRUCTURE REPAIR	\$37,500.00	\$37,500.00	\$37,500.00	\$37,500.00	\$37,500.00	\$37,500.00
5020450	1.000	LS	SEISMIC RETROFIT OF COLUMNS	\$714,000.00	\$714,000.00	\$325,000.00	\$325,000.00	\$300,000.00	\$300,000.00
5020530	8.000	EACH	LAMINATED ELASTOMERIC BEARING PAD	\$1,500.00	\$12,000.00	\$7,000.00	\$56,000.00	\$5,600.00	\$44,800.00
5020680	1.000	FA	PROFILE GRIND CONCRETE DECK SLAB	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
5020750	883.750	CUYD	CLASS AA CONCRETE (MINOR)	\$2,000.00	\$1,767,500.00	\$1,750.00	\$1,546,562.50	\$1,650.00	\$1,458,187.50
5020881	4,033.000	CUYD	CLASS DA CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	\$1,500.00	\$6,049,500.00	\$1,600.00	\$6,452,800.00	\$1,900.00	\$7,662,700.00
5020950	9,514.000	CUYD	CLASS AA CONCRETE, MODIFIED (MAJOR)	\$950.00	\$9,038,300.00	\$800.00	\$7,611,200.00	\$1,100.00	\$10,465,400.00
5020990	297.000	CUYD	CLASS DA CONCRETE, MODIFIED (MAJOR)	\$1,000.00	\$297,000.00	\$1,300.00	\$386,100.00	\$1,020.00	\$302,940.00
5021010	4,839.000	CUYD	CLASS EA CONCRETE, MODIFIED (MAJOR)	\$1,300.00	\$6,290,700.00	\$1,500.00	\$7,258,500.00	\$1,675.00	\$8,105,325.00
5021950	639.000	GAL	BRIDGE DECK CURING COMPOUND	\$25.00	\$15,975.00	\$100.00	\$63,900.00	\$50.00	\$31,950.00
5021980	59.000	LINFT	PREFORMED JOINT FILLER, (1-INCH)	\$70.00	\$4,130.00	\$75.00	\$4,425.00	\$60.00	\$3,540.00
5022000	1,280.000	LINFT	PREFORMED JOINT FILLER, (2-INCH)	\$60.00	\$76,800.00	\$45.00	\$57,600.00	\$65.00	\$83,200.00
5022020	475.000	LINFT	PREFORMED JOINT FILLER, (3-INCH)	\$60.00	\$28,500.00	\$70.00	\$33,250.00	\$78.00	\$37,050.00
5022100	1.000	LS	TEMPORARY SHORING (SPECIAL)	\$200,000.00	\$200,000.00	\$1,500,000.00	\$1,500,000.00	\$2,360,000.00	\$2,360,000.00

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Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
5030130	1.000	LS	PRESTRESSING CAST-IN-PLACE CONCRETE	\$65,000.00	\$65,000.00	\$100,000.00	\$100,000.00	\$75,000.00	\$75,000.00
5030360	6.000	EACH	48-FOOT PRECAST CONCRETE MEMBERS	\$53,000.00	\$318,000.00	\$48,000.00	\$288,000.00	\$44,000.00	\$264,000.00
5030370	8.000	EACH	50-FOOT PRECAST CONCRETE MEMBERS	\$55,000.00	\$440,000.00	\$48,000.00	\$384,000.00	\$44,000.00	\$352,000.00
5030400	14.000	EACH	53-FOOT PRECAST CONCRETE MEMBERS	\$59,000.00	\$826,000.00	\$48,000.00	\$672,000.00	\$44,000.00	\$616,000.00
5030420	12.000	EACH	55-FOOT PRECAST CONCRETE MEMBERS	\$61,000.00	\$732,000.00	\$51,000.00	\$612,000.00	\$50,000.00	\$600,000.00
5030430	8.000	EACH	56-FOOT PRECAST CONCRETE MEMBERS	\$62,000.00	\$496,000.00	\$51,000.00	\$408,000.00	\$47,000.00	\$376,000.00
5030440	12.000	EACH	58-FOOT PRECAST CONCRETE MEMBERS	\$64,000.00	\$768,000.00	\$51,000.00	\$612,000.00	\$48,000.00	\$576,000.00
5030450	12.000	EACH	60-FOOT PRECAST CONCRETE MEMBERS	\$66,000.00	\$792,000.00	\$56,000.00	\$672,000.00	\$49,000.00	\$588,000.00
5030480	26.000	EACH	66-FOOT PRECAST CONCRETE MEMBERS	\$73,000.00	\$1,898,000.00	\$61,000.00	\$1,586,000.00	\$65,000.00	\$1,690,000.00
5030510	6.000	EACH	70-FOOT PRECAST CONCRETE MEMBERS	\$77,000.00	\$462,000.00	\$61,000.00	\$366,000.00	\$61,000.00	\$366,000.00
5030540	3.000	EACH	74-FOOT PRECAST CONCRETE MEMBERS	\$82,000.00	\$246,000.00	\$61,000.00	\$183,000.00	\$61,000.00	\$183,000.00
5030560	6.000	EACH	78-FOOT PRECAST CONCRETE MEMBERS	\$86,000.00	\$516,000.00	\$61,000.00	\$366,000.00	\$61,000.00	\$366,000.00
5050100	1,320,224.000	POUND	REINFORCING STEEL	\$1.65	\$2,178,369.60	\$1.39	\$1,835,111.36	\$1.75	\$2,310,392.00
5050110	6,208.000	POUND	REINFORCING STEEL (DOWELED)	\$10.00	\$62,080.00	\$10.00	\$62,080.00	\$9.50	\$58,976.00
5050120	1,833,676.000	POUND	REINFORCING STEEL (EPOXY COATED)	\$2.75	\$5,042,609.00	\$1.65	\$3,025,565.40	\$2.00	\$3,667,352.00
5050130	556.000	POUND	REINFORCING STEEL (EPOXY COATED) (DOWELED)	\$12.00	\$6,672.00	\$38.00	\$21,128.00	\$30.00	\$16,680.00
5060110	125,556.000	POUND	STRUCTURAL STEEL	\$8.00	\$1,004,448.00	\$13.00	\$1,632,228.00	\$11.80	\$1,481,560.80
5060470	240.000	EACH	APPROACH SLAB RESTRAINER UNIT	\$110.00	\$26,400.00	\$400.00	\$96,000.00	\$250.00	\$60,000.00
5060810	1,600.000	LINFT	PEDESTRIAN RAIL, TYPE V (MODIFIED)	\$140.00	\$224,000.00	\$261.87	\$418,992.00	\$355.00	\$568,000.00
5060820	1,452.000	LINFT	PEDESTRIAN RAIL, TYPE X	\$80.00	\$116,160.00	\$87.18	\$126,585.36	\$200.00	\$290,400.00
5090170	1,440.000	LINFT	DRILLED SHAFT FOUNDATION (60-INCH)	\$800.00	\$1,152,000.00	\$4,500.00	\$6,480,000.00	\$5,200.00	\$7,488,000.00
6000100	48.000	LINFT	TRENCH DRAIN	\$250.00	\$12,000.00	\$665.00	\$31,920.00	\$1,100.00	\$52,800.00
6030110	71.000	LINFT	12-INCH REINFORCED CONCRETE PIPE, CLASS III	\$150.00	\$10,650.00	\$320.00	\$22,720.00	\$43.00	\$3,053.00
6030140	620.000	LINFT	15-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$111,600.00	\$350.00	\$217,000.00	\$47.00	\$29,140.00
6030170	6,647.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$110.00	\$731,170.00	\$300.00	\$1,994,100.00	\$59.00	\$392,173.00
6030230	1,345.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$110.00	\$147,950.00	\$221.00	\$297,245.00	\$69.00	\$92,805.00
6030290	670.000	LINFT	30-INCH REINFORCED CONCRETE PIPE, CLASS III	\$200.00	\$134,000.00	\$285.00	\$190,950.00	\$94.00	\$62,980.00
6030350	584.000	LINFT	36-INCH REINFORCED CONCRETE PIPE, CLASS III	\$260.00	\$151,840.00	\$276.00	\$161,184.00	\$129.00	\$75,336.00
6030460	954.000	LINFT	48-INCH REINFORCED CONCRETE PIPE, CLASS V	\$400.00	\$381,600.00	\$650.00	\$620,100.00	\$400.00	\$381,600.00
6030670	36.000	LINFT	23-INCH X 14-INCH OVAL REINFORCED CONCRETE PIPE, CLASS HE III	\$300.00	\$10,800.00	\$650.00	\$23,400.00	\$140.00	\$5,040.00
6031020	1.000	EACH	15-INCH PRECAST END SECTION	\$1,800.00	\$1,800.00	\$6,000.00	\$6,000.00	\$3,200.00	\$3,200.00
6031030	7.000	EACH	18-INCH PRECAST END SECTION	\$1,800.00	\$12,600.00	\$4,500.00	\$31,500.00	\$3,600.00	\$25,200.00
6031050	2.000	EACH	24-INCH PRECAST END SECTION	\$2,500.00	\$5,000.00	\$4,500.00	\$9,000.00	\$4,000.00	\$8,000.00
6031070	9.000	EACH	30-INCH PRECAST END SECTION	\$3,000.00	\$27,000.00	\$4,500.00	\$40,500.00	\$4,300.00	\$38,700.00
6031090	1.000	EACH	36-INCH PRECAST END SECTION	\$3,600.00	\$3,600.00	\$4,500.00	\$4,500.00	\$4,600.00	\$4,600.00
6031120	2.000	EACH	48-INCH PRECAST END SECTION	\$5,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$10,000.00	\$20,000.00
6042420	1.000	EACH	18-INCH METAL END SECTION (SAFETY TYPE)	\$4,000.00	\$4,000.00	\$3,010.00	\$3,010.00	\$3,400.00	\$3,400.00
6080250	51.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$900.00	\$45,900.00	\$1,500.00	\$76,500.00	\$1,000.00	\$51,000.00
6080270	4.000	EACH	ANCHOR ASSEMBLY (24-INCH)	\$1,000.00	\$4,000.00	\$2,100.00	\$8,400.00	\$1,000.00	\$4,000.00
6080290	5.000	EACH	ANCHOR ASSEMBLY (36-INCH)	\$1,500.00	\$7,500.00	\$2,150.00	\$10,750.00	\$1,100.00	\$5,500.00
6080370	772.000	LINFT	18-INCH DOWNDRAIN PIPE	\$250.00	\$193,000.00	\$235.00	\$181,420.00	\$205.00	\$158,260.00
6080400	61.000	LINFT	24-INCH DOWNDRAIN PIPE	\$250.00	\$15,250.00	\$280.00	\$17,080.00	\$220.00	\$13,420.00
6080420	79.000	LINFT	36-INCH DOWNDRAIN PIPE	\$300.00	\$23,700.00	\$300.00	\$23,700.00	\$250.00	\$19,750.00
6080470	13.000	EACH	18-INCH METAL END SECTION (DOWNDRAIN)	\$1,400.00	\$18,200.00	\$2,200.00	\$28,600.00	\$1,800.00	\$23,400.00
6080490	1.000	EACH	24-INCH METAL END SECTION (DOWNDRAIN)	\$1,800.00	\$1,800.00	\$4,200.00	\$4,200.00	\$2,000.00	\$2,000.00
6080510	1.000	EACH	36-INCH METAL END SECTION (DOWNDRAIN)	\$2,400.00	\$2,400.00	\$5,000.00	\$5,000.00	\$2,800.00	\$2,800.00
6090220	8.000	EACH	ADJUST MANHOLE	\$2,400.00	\$19,200.00	\$1,100.00	\$8,800.00	\$2,600.00	\$20,800.00
6090290	2.000	EACH	CONNECT TO EXISTING MANHOLE	\$3,500.00	\$7,000.00	\$4,500.00	\$9,000.00	\$3,500.00	\$7,000.00
6090380	20.000	EACH	TYPE 1 MANHOLE (MODIFIED)	\$6,000.00	\$120,000.00	\$22,000.00	\$440,000.00	\$28,000.00	\$560,000.00
6090390	8.000	EACH	TYPE 2 MANHOLE (MODIFIED)	\$10,000.00	\$80,000.00	\$22,000.00	\$176,000.00	\$28,500.00	\$228,000.00
6090396	4.000	EACH	TYPE 3 MANHOLE (MODIFIED)	\$17,500.00	\$70,000.00	\$22,000.00	\$88,000.00	\$29,000.00	\$116,000.00

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Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6090400	4.000	EACH	TYPE 4 MANHOLE	\$23,000.00	\$92,000.00	\$50,000.00	\$200,000.00	\$40,500.00	\$162,000.00
6090570	7.000	EACH	ADJUSTING COVERS (SPECIAL)	\$3,500.00	\$24,500.00	\$2,500.00	\$17,500.00	\$1,700.00	\$11,900.00
6090840	3.000	EACH	STORMWATER TREATMENT VAULT (TYPE A)	\$50,000.00	\$150,000.00	\$150,000.00	\$450,000.00	\$105,000.00	\$315,000.00
6091030	19,800.000	POUND	CASTINGS	\$3.50	\$69,300.00	\$5.00	\$99,000.00	\$1.00	\$19,800.00
6091040	99,276.000	POUND	STRUCTURAL STEEL GRATES	\$3.00	\$297,828.00	\$6.00	\$595,656.00	\$11.00	\$1,092,036.00
6100050	12,470.000	SQYD	GEOTEXTILE (CLASS 1)	\$4.00	\$49,880.00	\$10.00	\$124,700.00	\$4.00	\$49,880.00
6100170	11,350.500	CUYD	RIPRAP (CLASS 150)	\$80.00	\$908,040.00	\$125.00	\$1,418,812.50	\$140.00	\$1,589,070.00
6100190	4,847.000	CUYD	RIPRAP (CLASS 300)	\$90.00	\$436,230.00	\$130.00	\$630,110.00	\$145.00	\$702,815.00
6100200	2,705.000	CUYD	RIPRAP (CLASS 400)	\$200.00	\$541,000.00	\$160.00	\$432,800.00	\$114.00	\$308,370.00
6100210	2,607.000	CUYD	RIPRAP (CLASS 550)	\$200.00	\$521,400.00	\$180.00	\$469,260.00	\$118.00	\$307,626.00
6100460	124.000	CUYD	RIPRAP BEDDING (CLASS 150)	\$100.00	\$12,400.00	\$210.00	\$26,040.00	\$110.00	\$13,640.00
6100470	12,144.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$120.00	\$1,457,280.00	\$125.00	\$1,518,000.00	\$148.00	\$1,797,312.00
6100480	575.000	CUYD	RIPRAP BEDDING (CLASS 400)	\$200.00	\$115,000.00	\$160.00	\$92,000.00	\$110.00	\$63,250.00
6100490	672.000	CUYD	RIPRAP BEDDING (CLASS 550)	\$180.00	\$120,960.00	\$170.00	\$114,240.00	\$105.00	\$70,560.00
6100585	548.000	SQYD	ARTICULATED CONCRETE BLOCK	\$170.00	\$93,160.00	\$275.00	\$150,700.00	\$250.00	\$137,000.00
6110120	408.000	CUYD	CLASS AA CONCRETE SLOPE PAVEMENT	\$800.00	\$326,400.00	\$1,600.00	\$652,800.00	\$1,500.00	\$612,000.00
6130130	5.000	SQYD	DETECTABLE WARNINGS	\$700.00	\$3,500.00	\$1,400.00	\$7,000.00	\$300.00	\$1,500.00
6130470	124.000	LINFT	CLASS AA CONCRETE GUTTER (2-FOOT)	\$35.00	\$4,340.00	\$130.00	\$16,120.00	\$100.00	\$12,400.00
6130830	133.000	LINFT	CLASS AA CONCRETE CURB AND GUTTER (TYPE 5)	\$60.00	\$7,980.00	\$120.00	\$15,960.00	\$100.00	\$13,300.00
6131140	40.000	SQYD	CLASS AA CONCRETE SIDEWALK (4-INCH)	\$150.00	\$6,000.00	\$175.00	\$7,000.00	\$170.00	\$6,800.00
6131430	36.000	SQYD	CLASS AA CONCRETE RAMP (4-INCH)	\$225.00	\$8,100.00	\$175.00	\$6,300.00	\$180.00	\$6,480.00
6160300	3.000	EACH	16-FOOT METAL GATE (SPECIAL)	\$3,000.00	\$9,000.00	\$6,354.00	\$19,062.00	\$5,000.00	\$15,000.00
6161000	692.000	LINFT	TYPE C-NV-4B FENCE	\$22.00	\$15,224.00	\$31.88	\$22,060.96	\$22.00	\$15,224.00
6161470	15,611.000	LINFT	TEMPORARY FENCE	\$6.00	\$93,666.00	\$4.20	\$65,566.20	\$4.00	\$62,444.00
6180250	1,781.000	LINFT	REMOVE AND RESET GUARDRAIL	\$7.00	\$12,467.00	\$9.00	\$16,029.00	\$9.00	\$16,029.00
6180540	136.000	LINFT	GALVANIZED GUARDRAIL	\$60.00	\$8,160.00	\$55.35	\$7,527.60	\$55.00	\$7,480.00
6190200	1,584.000	EACH	GUIDE POSTS (RIGID)	\$50.00	\$79,200.00	\$65.00	\$102,960.00	\$65.00	\$102,960.00
6190260	1.000	EACH	OBJECT MARKERS, TYPE 2	\$175.00	\$175.00	\$150.00	\$150.00	\$150.00	\$150.00
6230201	33.000	EACH	ITS VAULT	\$10,500.00	\$346,500.00	\$8,384.00	\$276,672.00	\$8,384.00	\$276,672.00
6230226	50.000	EACH	NO. 3-1/2 PULL BOX, MODIFIED	\$2,150.00	\$107,500.00	\$1,234.00	\$61,700.00	\$1,234.00	\$61,700.00
6230232	24.000	EACH	NO. 5 PULL BOX, MODIFIED	\$2,750.00	\$66,000.00	\$2,135.00	\$51,240.00	\$2,135.00	\$51,240.00
6230236	48.000	EACH	NO. 7 PULL BOX, MODIFIED	\$3,200.00	\$153,600.00	\$2,951.00	\$141,648.00	\$2,951.00	\$141,648.00
6230250	22.000	EACH	JUNCTION BOX (A)	\$850.00	\$18,700.00	\$588.00	\$12,936.00	\$588.00	\$12,936.00
6230267	1.000	EACH	LUMINAIRE, TYPE A	\$1,500.00	\$1,500.00	\$640.00	\$640.00	\$640.00	\$640.00
6230268	84.000	EACH	LUMINAIRE, TYPE B	\$800.00	\$67,200.00	\$572.00	\$48,048.00	\$572.00	\$48,048.00
6230355	11.000	EACH	UNDERPASS LUMINAIRE, (TYPE C)	\$1,250.00	\$13,750.00	\$1,351.00	\$14,861.00	\$1,351.00	\$14,861.00
6230570	35.000	EACH	STEEL POLE, TYPE 7	\$10,000.00	\$350,000.00	\$10,104.00	\$353,640.00	\$10,104.00	\$353,640.00
6230580	1.000	EACH	STEEL POLE, TYPE 7 (MODIFIED)	\$11,500.00	\$11,500.00	\$9,143.00	\$9,143.00	\$9,143.00	\$9,143.00
6230585	1.000	EACH	STEEL POLE, TYPE 14 (TWIN ARMS)	\$14,000.00	\$14,000.00	\$12,642.00	\$12,642.00	\$12,642.00	\$12,642.00
6230635	1.000	EACH	STEEL POLE, TYPE 35	\$42,500.00	\$42,500.00	\$31,905.00	\$31,905.00	\$31,905.00	\$31,905.00
6230653	2.000	EACH	ITS POLE (30 FOOT)	\$25,000.00	\$50,000.00	\$10,510.00	\$21,020.00	\$10,510.00	\$21,020.00
6230658	1.000	EACH	ITS POLE (80 FOOT)	\$83,000.00	\$83,000.00	\$69,019.00	\$69,019.00	\$69,619.00	\$69,619.00
6230775	5.000	EACH	LOOP DETECTOR	\$1,250.00	\$6,250.00	\$871.00	\$4,355.00	\$871.00	\$4,355.00
6230820	1.000	EACH	RED LIGHT DETECTOR	\$1,700.00	\$1,700.00	\$658.00	\$658.00	\$658.00	\$658.00
6230825	4.000	EACH	LOOP DETECTOR AMPLIFIER CHANNELS (NEW CABINET)	\$1,450.00	\$5,800.00	\$292.00	\$1,168.00	\$292.00	\$1,168.00
6230835	52.000	EACH	LOOP DETECTOR (PRE-FORMED)	\$900.00	\$46,800.00	\$1,405.00	\$73,060.00	\$1,405.00	\$73,060.00
6230856	4.000	EACH	MODIFY DETECTOR	\$625.00	\$2,500.00	\$2,149.00	\$8,596.00	\$2,149.00	\$8,596.00
6230870	2.000	EACH	SPECIAL DETECTOR SURFACE SENSOR	\$5,500.00	\$11,000.00	\$8,045.00	\$16,090.00	\$8,045.00	\$16,090.00
6230921	3.000	EACH	RADAR DETECTOR SYSTEM	\$16,500.00	\$49,500.00	\$29,388.00	\$88,164.00	\$29,388.00	\$88,164.00
6230955	1.000	EACH	TRAFFIC ACTUATED CONTROLLER	\$11,000.00	\$11,000.00	\$5,869.00	\$5,869.00	\$5,869.00	\$5,869.00
6231060	2.000	EACH	SPECIAL M-1 CABINET	\$5,000.00	\$10,000.00	\$8,700.00	\$17,400.00	\$8,700.00	\$17,400.00

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Attachment D

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6231061	3.000	EACH	COMMUNICATION CABINET	\$27,800.00	\$83,400.00	\$24,476.00	\$73,428.00	\$24,476.00	\$73,428.00
6231105	1.000	EACH	FLASHING BEACON CONTROLLER	\$3,450.00	\$3,450.00	\$3,107.00	\$3,107.00	\$3,107.00	\$3,107.00
6231259	2,001.000	LINFT	ETHERNET CABLE	\$14.50	\$29,014.50	\$4.00	\$8,004.00	\$4.00	\$8,004.00
6231261	3.000	EACH	FIELD HARDENED ETHERNET SWITCH	\$14,500.00	\$43,500.00	\$11,321.00	\$33,963.00	\$11,321.00	\$33,963.00
6231264	4.000	EACH	CCTV CAMERA (FIXED)	\$8,500.00	\$34,000.00	\$6,166.00	\$24,664.00	\$6,166.00	\$24,664.00
6231320	2.000	EACH	REMOVAL OF TRAFFIC SIGNAL CONTROLLER CABINET	\$1,350.00	\$2,700.00	\$1,269.00	\$2,538.00	\$1,269.00	\$2,538.00
6231365	1.000	LS	REMOVAL OF EXISTING ELECTRICAL SYSTEM	\$1,000.00	\$1,000.00	\$5,327.00	\$5,327.00	\$5,327.00	\$5,327.00
6231370	1.000	LS	REMOVAL OF CONDUIT AND CONDUCTORS	\$1,000.00	\$1,000.00	\$9,404.00	\$9,404.00	\$9,404.00	\$9,404.00
6231375	2.000	EACH	REMOVAL OF POLE	\$5,000.00	\$10,000.00	\$4,629.00	\$9,258.00	\$4,629.00	\$9,258.00
6231405	1.000	EACH	REMOVE POLE MOUNTED CONTROLLER	\$1,000.00	\$1,000.00	\$980.00	\$980.00	\$980.00	\$980.00
6231441	8.000	EACH	REMOVE AND RESET STEEL POLE	\$5,000.00	\$40,000.00	\$7,217.00	\$57,736.00	\$7,217.00	\$57,736.00
6231445	15.000	EACH	REMOVE AND RESET LIGHT POLE	\$5,750.00	\$86,250.00	\$7,324.00	\$109,860.00	\$7,324.00	\$109,860.00
6231530	1.000	EACH	REMOVE AND RESET VIDEO IMAGE DETECTION SYSTEM	\$475.00	\$475.00	\$2,351.00	\$2,351.00	\$2,351.00	\$2,351.00
6231620	3.000	EACH	UNDERGROUND ELECTRICAL SERVICE	\$8,000.00	\$24,000.00	\$13,483.00	\$40,449.00	\$13,483.00	\$40,449.00
6231630	2.000	EACH	REMOVE ELECTRICAL SERVICE	\$750.00	\$1,500.00	\$1,699.00	\$3,398.00	\$1,699.00	\$3,398.00
6231635	1.000	EACH	MODIFY ELECTRICAL SERVICE	\$200.00	\$200.00	\$7,231.00	\$7,231.00	\$7,231.00	\$7,231.00
6231722	3.000	EACH	TRANSFORMER (3 KVA)	\$9,000.00	\$27,000.00	\$4,377.00	\$13,131.00	\$4,377.00	\$13,131.00
6231780	138.000	LINFT	1-INCH CONDUIT	\$25.00	\$3,450.00	\$1.00	\$138.00	\$1.00	\$138.00
6231785	145.000	LINFT	1-INCH CONDUIT (METAL)	\$60.00	\$8,700.00	\$31.40	\$4,553.00	\$31.40	\$4,553.00
6231790	205.000	LINFT	1 1/4-INCH CONDUIT	\$25.00	\$5,125.00	\$14.90	\$3,054.50	\$14.90	\$3,054.50
6231795	1,395.000	LINFT	1 1/2-INCH CONDUIT	\$35.00	\$48,825.00	\$22.80	\$31,806.00	\$22.80	\$31,806.00
6231800	952.000	LINFT	1 1/2-INCH CONDUIT (METAL)	\$22.00	\$20,944.00	\$44.60	\$42,459.20	\$44.60	\$42,459.20
6231820	45,533.000	LINFT	3-INCH CONDUIT	\$17.50	\$796,827.50	\$27.20	\$1,238,497.60	\$27.20	\$1,238,497.60
6231825	741.000	LINFT	3-INCH CONDUIT(METAL)	\$75.00	\$55,575.00	\$77.70	\$57,575.70	\$77.70	\$57,575.70
6231850	41,301.000	LINFT	4-INCH MULTIDUCT CONDUIT	\$19.00	\$784,719.00	\$28.80	\$1,189,468.80	\$28.80	\$1,189,468.80
6231935	7,656.000	LINFT	NO. 4/0 CONDUCTOR	\$6.00	\$45,936.00	\$7.40	\$56,654.40	\$7.40	\$56,654.40
6231945	15,195.000	LINFT	NO. 2/0 CONDUCTOR	\$3.50	\$53,182.50	\$5.30	\$80,533.50	\$5.30	\$80,533.50
6231955	6,276.000	LINFT	NO. 1 CONDUCTOR	\$5.00	\$31,380.00	\$3.60	\$22,593.60	\$3.60	\$22,593.60
6231960	60,215.000	LINFT	NO. 2 CONDUCTOR	\$2.45	\$147,526.75	\$3.60	\$216,774.00	\$3.60	\$216,774.00
6231970	65,687.000	LINFT	NO. 4 CONDUCTOR	\$2.00	\$131,374.00	\$2.60	\$170,786.20	\$2.60	\$170,786.20
6231975	63,718.000	LINFT	NO. 6 CONDUCTOR	\$1.30	\$82,833.40	\$2.00	\$127,436.00	\$2.00	\$127,436.00
6231980	11,361.000	LINFT	NO. 8 CONDUCTOR	\$1.10	\$12,497.10	\$1.50	\$17,041.50	\$1.50	\$17,041.50
6231985	8,285.000	LINFT	NO. 10 CONDUCTOR	\$1.40	\$11,599.00	\$1.00	\$8,285.00	\$1.00	\$8,285.00
6231995	220.000	LINFT	NO. 14 CONDUCTOR	\$4.25	\$935.00	\$1.00	\$220.00	\$1.00	\$220.00
6232090	87.000	LINFT	25 CONDUCTOR NO. 14 CABLE	\$18.00	\$1,566.00	\$30.40	\$2,644.80	\$30.40	\$2,644.80
6232175	46,015.000	LINFT	FIBER OPTIC CABLE	\$4.75	\$218,571.25	\$9.40	\$432,541.00	\$9.40	\$432,541.00
6232179	4,381.000	LINFT	FIBER OPTIC BRANCH CABLE	\$12.50	\$54,762.50	\$13.20	\$57,829.20	\$13.20	\$57,829.20
6232225	3.000	EACH	STEEL POST, 30-FOOT	\$11,250.00	\$33,750.00	\$12,208.00	\$36,624.00	\$12,208.00	\$36,624.00
6232525	1.000	EACH	SIGNAL HEAD 1W2C, MAST ARM	\$1,850.00	\$1,850.00	\$990.00	\$990.00	\$990.00	\$990.00
6232550	2.000	EACH	SIGNAL HEAD 1W1C, POST TOP	\$1,250.00	\$2,500.00	\$649.00	\$1,298.00	\$649.00	\$1,298.00
6232645	2,353.000	LINFT	LEAD-IN CABLE FOR LOOP DETECTORS	\$4.75	\$11,176.75	\$1.30	\$3,058.90	\$1.30	\$3,058.90
6232660	8,988.000	LINFT	REMOVAL OF EXISTING CABLE	\$3.00	\$26,964.00	\$1.00	\$8,988.00	\$1.00	\$8,988.00
6232680	23.000	SQFT	TRAFFIC SIGNAL SIGNS	\$90.00	\$2,070.00	\$39.00	\$897.00	\$39.00	\$897.00
6232915	12.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	\$5,770.00	\$69,240.00	\$5,367.00	\$64,404.00	\$5,367.00	\$64,404.00
6232930	12.000	EACH	VIDEO OPTICAL TRANSCEIVER (VOTR) PAIR	\$3,800.00	\$45,600.00	\$1,889.00	\$22,668.00	\$1,889.00	\$22,668.00
6232950	1.000	EACH	CCTV LOWERING DEVICE (HIGH MAST)	\$24,500.00	\$24,500.00	\$19,574.00	\$19,574.00	\$19,574.00	\$19,574.00
6233018	1.000	LS	AUTOMATED VEHICLE CLASSIFICATION SYSTEM (8-LANE CONFIGURATION)	\$120,000.00	\$120,000.00	\$226,373.00	\$226,373.00	\$226,373.00	\$226,373.00
6233030	2.000	EACH	CCTV CAMERA (PTZ)	\$11,500.00	\$23,000.00	\$10,486.00	\$20,972.00	\$10,486.00	\$20,972.00
6233035	2.000	EACH	CCTV CAMERA (DETECTABLE)	\$19,500.00	\$39,000.00	\$17,074.00	\$34,148.00	\$17,074.00	\$34,148.00

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Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
6233040	2.000	EACH	RECTANGULAR RAPID FLASHING BEACON	\$2,200.00	\$4,400.00	\$12,762.00	\$25,524.00	\$12,762.00	\$25,524.00
6233050	1.000	EACH	RECTANGULAR RAPID FLASHING BEACON CONTROLLER (TYPE 2)	\$4,300.00	\$4,300.00	\$37,932.00	\$37,932.00	\$37,932.00	\$37,932.00
6234100	6.000	EACH	LANDSCAPE LIGHTING (TYPE A)	\$7,000.00	\$42,000.00	\$1,959.00	\$11,754.00	\$1,959.00	\$11,754.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$315,000.00	\$315,000.00	\$315,000.00	\$315,000.00	\$315,000.00	\$315,000.00
6240140	450.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,200.00	\$540,000.00	\$10,000.00	\$4,500,000.00	\$5,000.00	\$2,250,000.00
6240240	10.000	HOUR	RENT EQUIPMENT (LOADER)	\$180.00	\$1,800.00	\$260.00	\$2,600.00	\$200.00	\$2,000.00
6240280	20.000	HOUR	RENT EQUIPMENT (DUMP TRUCK)	\$150.00	\$3,000.00	\$260.00	\$5,200.00	\$200.00	\$4,000.00
6240420	10.000	HOUR	RENT EQUIPMENT (BACKHOE)	\$160.00	\$1,600.00	\$260.00	\$2,600.00	\$180.00	\$1,800.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$3,800,000.00	\$3,800,000.00	\$21,300,000.00	\$21,300,000.00	\$8,750,000.00	\$8,750,000.00
6270022	3.000	EACH	PERMANENT OVERHEAD SIGN PANEL, RECONSTRUCT	\$3,800.00	\$11,400.00	\$14,500.00	\$43,500.00	\$14,500.00	\$43,500.00
6270110	1.000	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$1,060,000.00	\$1,060,000.00	\$1,200,000.00	\$1,200,000.00	\$1,800,000.00	\$1,800,000.00
6270130	4.000	EACH	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES, REMOVE	\$9,000.00	\$36,000.00	\$6,000.00	\$24,000.00	\$11,500.00	\$46,000.00
6270150	3,547.580	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$50.00	\$177,379.00	\$45.50	\$161,414.89	\$45.00	\$159,641.10
6270160	1,418.530	SQFT	PERMANENT SIGN PANELS (OVERHEAD) (REMOVE)	\$10.00	\$14,185.30	\$10.00	\$14,185.30	\$10.00	\$14,185.30
6270190	1,351.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$100.00	\$135,125.00	\$175.00	\$236,468.75	\$175.00	\$236,468.75
6270200	111.750	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (SPECIAL METAL SUPPORTS)	\$135.00	\$15,086.25	\$175.00	\$19,556.25	\$175.00	\$19,556.25
6270220	218.190	SQFT	PERMANENT SIGN PANELS (PANELS ONLY)	\$60.00	\$13,091.40	\$36.50	\$7,963.94	\$36.50	\$7,963.94
6270240	3,239.250	SQFT	PERMANENT SIGNS, REMOVE	\$8.00	\$25,914.00	\$10.00	\$32,392.50	\$10.00	\$32,392.50
6270250	182.190	SQFT	PERMANENT SIGNS, REMOVE (PANEL ONLY)	\$18.00	\$3,279.42	\$10.00	\$1,821.90	\$10.00	\$1,821.90
6270260	467.500	SQFT	PERMANENT SIGNS, RESET	\$70.00	\$32,725.00	\$175.00	\$81,812.50	\$175.00	\$81,812.50
6280120	1.000	LS	MOBILIZATION	\$14,442,243.90	\$14,442,243.90	\$22,804,600.58	\$22,804,600.58	\$23,585,277.89	\$23,585,277.89
6310100	109,781.000	SQFT	PRECAST CONCRETE WALL PANELS	\$90.00	\$9,880,290.00	\$85.00	\$9,331,385.00	\$77.00	\$8,453,137.00
6320100	38.600	MILE	CONTRAST STRIPING	\$7,500.00	\$289,500.00	\$3,000.00	\$115,800.00	\$3,750.00	\$144,750.00
6320830	18,987.120	LINFT	EPOXY PAVEMENT STRIPING (8-INCH DOTTED WHITE)	\$1.50	\$28,480.68	\$0.60	\$11,392.27	\$0.75	\$14,240.34
6320890	15.530	MILE	EPOXY PAVEMENT STRIPING (8-INCH BROKEN WHITE)	\$2,000.00	\$31,060.00	\$1,900.00	\$29,507.00	\$2,400.00	\$37,272.00
6320940	14.190	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$5,200.00	\$73,788.00	\$5,865.00	\$83,224.35	\$7,500.00	\$106,425.00
6320960	2.220	MILE	EPOXY PAVEMENT STRIPING (12-INCH SOLID WHITE)	\$6,500.00	\$14,430.00	\$9,800.00	\$21,756.00	\$12,500.00	\$27,750.00
6321030	12.530	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$5,200.00	\$65,156.00	\$5,865.00	\$73,488.45	\$7,500.00	\$93,975.00
6321070	391.120	LINFT	EPOXY PAVEMENT STRIPING (DOUBLE SOLID YELLOW)	\$3.50	\$1,368.92	\$1.75	\$684.46	\$2.50	\$977.80
6341030	2,342.100	LINFT	THERMOPLASTIC PAVEMENT MARKING (24-INCH SOLID WHITE)	\$18.00	\$42,157.80	\$20.00	\$46,842.00	\$20.00	\$46,842.00
6341060	1,201.318	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$21.00	\$25,227.68	\$20.00	\$24,026.36	\$20.00	\$24,026.36
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$674,340.89	\$674,340.89	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00
6410100	26.000	EACH	IMPACT ATTENUATOR	\$37,000.00	\$962,000.00	\$50,000.00	\$1,300,000.00	\$45,000.00	\$1,170,000.00
6420100	35,173.000	SQFT	CONCRETE PANEL WALL	\$35.00	\$1,231,055.00	\$95.00	\$3,341,435.00	\$114.00	\$4,009,722.00
6420110	22,741.000	CUYD	MECHANICALLY STABILIZED EARTH BACKFILL	\$40.00	\$909,640.00	\$78.00	\$1,773,798.00	\$165.00	\$3,752,265.00
6440100	15,165.000	LINFT	SOIL NAIL	\$75.00	\$1,137,375.00	\$100.00	\$1,516,500.00	\$110.00	\$1,668,150.00
6440120	3.000	EACH	VERIFICATION TEST	\$1,000.00	\$3,000.00	\$15,000.00	\$45,000.00	\$11,000.00	\$33,000.00
6600995	2,420.000	SQYD	PNEUMATICALLY PLACED CONCRETE MORTAR (4-INCHES)	\$200.00	\$484,000.00	\$190.00	\$459,800.00	\$390.00	\$943,800.00

Bid Tabulation

July 13, 2023

Item No.	Quantity	Unit	Description	Engineer's Estimate		Q&D RHB, a Joint Venture		Granite Construction Company	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Totals:					\$158,882,042.79		\$230,000,000.00		\$238,238,238.00

Price Sensitivity
July 13, 2023

Contract No.: 3983
Project No.: NHP-0191(104)
Project Id: 61052
County: Washoe
Range: R44 (\$145,000,000.01 to \$175,000,000.00)
Working: 450 days

RE: Andrew Lawrence
Designer: Vic Peters

Engineer's Estimate	Q&D RHB, a Joint Venture	Granite Construction	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$158,882,042.79	\$230,000,000.00	\$238,238,238.00	\$8,238,238.00	\$71,117,957.21	144.8%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
2010120	14.500	ACRE	CLEARING AND GRUBBING	\$3,250.00	\$20,000.00	\$40,000.00	-411.912	-2840.8%	615.4%	Yes	EE Low, Could have been \$6000/ QTY OK
2020120	52752.000	SQFT	REMOVAL OF PORTION OF BRIDGE DECK	\$3.00	\$6.00	\$6.00	N/A	N/A	200.0%	Yes	EE OK/ QTY OK
2020125	1.000	LS	REMOVAL OF PORTION OF BRIDGE	\$695,000.00	\$3,000,000.00	\$900,000.00	N/A	N/A	431.7%	Yes	EE OK/ QTY OK
2020340	84417.472	SQYD	REMOVAL OF CONCRETE PAVEMENT	\$35.00	\$20.00	\$30.00	-823,823.800	-975.9%	57.1%	Yes	EE OK/ QTY OK
2020400	10763.000	LINFT	REMOVAL OF CONCRETE BARRIER RAIL	\$20.00	\$65.00	\$25.00	205,955.950	1913.6%	325.0%	Yes	EE Low, Could have been \$24 / QTY OK
2020475	16752.000	LINFT	REMOVAL OF GUARDRAIL	\$6.00	\$8.30	\$8.00	27,460,793.333	163925.5%	138.3%	No	EE OK/ QTY OK
2020990	51636.000	SQYD	REMOVAL OF BITUMINOUS SURFACE (COLD MILLING)	\$4.00	\$8.00	\$6.00	4,119,119.000	7977.2%	200.0%	Yes	EE OK/ QTY OK
2021040	31.000	EACH	REMOVAL OF DROP INLET	\$2,000.00	\$2,500.00	\$1,800.00	11,768.911	37964.2%	125.0%	No	EE OK/ QTY OK
2021230	690.000	LINFT	REMOVAL OF STORM DRAIN PIPE	\$90.00	\$200.00	\$70.00	63,371.062	9184.2%	222.2%	Yes	EE OK/ QTY OK
2021231	220.000	LINFT	REMOVAL OF SLOTTED DRAIN	\$60.00	\$300.00	\$40.00	31,685.531	14402.5%	500.0%	Yes	EE OK/ QTY OK
2021255	9637.000	LINFT	REMOVAL OF TEMPORARY PORTABLE PRECAST CONCRETE BARRIER RAIL	\$15.00	\$30.00	\$20.00	823,823.800	8548.6%	200.0%	Yes	EE OK/ QTY OK
2021270	5275.000	SQYD	REMOVAL OF SLOPE PAVING	\$30.00	\$39.00	\$22.00	484,602.235	9186.8%	130.0%	No	EE OK/ QTY OK
2021280	948.000	SQYD	REMOVAL OF MEDIAN ISLAND	\$30.00	\$64.00	\$35.00	284,077.172	29965.9%	213.3%	Yes	EE OK/ QTY OK
2021287	183021.000	LINFT	GRINDING FOR PAVEMENT MARKINGS	\$0.80	\$1.30	\$1.30	N/A	N/A	162.5%	Yes	EE OK/ QTY OK
2030140	212747.180	CUYD	ROADWAY EXCAVATION	\$16.00	\$30.00	\$38.00	-1,029,779.750	-484.0%	187.5%	Yes	EE Low, Could have been \$25 / QTY OK
2030160	8843.000	CUYD	DRAINAGE EXCAVATION	\$50.00	\$100.00	\$50.00	164,764.760	1863.2%	200.0%	Yes	EE OK/ QTY OK
2030230	114115.650	CUYD	BORROW EMBANKMENT	\$12.00	\$45.00	\$50.00	-1,647,647.600	-1443.8%	375.0%	Yes	EE Low, Could have been \$18-\$20 / QTY OK
2030260	2272.540	CUYD	SELECTED BORROW EMBANKMENT	\$25.00	\$135.00	\$80.00	149,786.145	6591.1%	540.0%	Yes	EE OK/ QTY OK
2060110	84012.200	CUYD	STRUCTURE EXCAVATION	\$40.00	\$110.00	\$119.00	-915,359.778	-1089.6%	275.0%	Yes	EE OK/ QTY OK
2070110	46146.860	CUYD	GRANULAR BACKFILL	\$45.00	\$150.00	\$70.00	102,977.975	223.2%	333.3%	Yes	EE Low, Could have been \$65 / QTY OK
2110100	1773.900	CUYD	TOPSOIL	\$70.00	\$170.00	\$150.00	411,911.900	23220.7%	242.9%	Yes	EE Low, Could have been \$85 / QTY OK
2110150	6.380	ACRE	SEEDING	\$6,900.00	\$9,000.00	\$12,000.00	-2,746.079	-43042.0%	130.4%	No	EELow, Could have been \$9000 / QTY OK
2120040	28485.000	SQYD	AESTHETIC PATTERNING	\$100.00	\$17.00	\$10.00	1,176,891.143	4131.6%	17.0%	Yes	EE OK/ QTY OK
2120045	52555.000	SQYD	PAINTING	\$8.00	\$25.00	\$34.00	-915,359.778	-1741.7%	312.5%	Yes	EE OK/ QTY OK
2120395	12.000	MONTH	PLANT ESTABLISHMENT WORK	\$3,600.00	\$4,167.00	\$22,250.00	-455.579	-3796.5%	115.8%	No	EE Low, Could have been \$10,000 / QTY OK
2120803	11110.000	SQYD	DECORATIVE ROCK (TYPE C)	\$13.50	\$45.00	\$31.00	588,445.571	5296.5%	333.3%	Yes	EE OK/ QTY OK
2120930	34654.000	SQYD	ROCK COLORING	\$2.00	\$6.00	\$2.50	2,353,782.286	6792.2%	300.0%	Yes	EE Low, Could have been \$3.80/ QTY OK
2121950	2.000	EACH	DECORATIVE STRUCTURE	\$225,000.00	\$325,000.00	\$170,000.00	53.150	2657.5%	144.4%	No	EE OK/ QTY OK
3020140	48356.000	CUYD	TYPE 1 CLASS B AGGREGATE BASE	\$81.00	\$92.00	\$165.00	-112,852.575	-233.4%	113.6%	No	EE Low, Could have been \$90/ QTY OK
3070110	1675.290	CUYD	SHOULDERING MATERIAL	\$80.00	\$157.00	\$40.00	70,412.291	4203.0%	196.3%	Yes	EE OK/ QTY OK
4020110	3332.000	SQYD	PLANTMIX PAVED DITCHES	\$25.00	\$36.00	\$73.00	-222,655.081	-6682.3%	144.0%	No	EE High, Could have been \$16 / QTY OK
4020190	49806.000	TON	PLANTMIX SURFACING (TYPE 2C) (WET)	\$110.00	\$195.00	\$200.00	-1,647,647.600	-3308.1%	177.3%	Yes	EE OK/ QTY OK
4030110	2923.000	TON	PLANTMIX OPEN-GRADED SURFACING (3/8-INCH) (WET)	\$150.00	\$240.00	\$300.00	-137,303.967	-4697.4%	160.0%	Yes	EE Low, Could have been \$180 / QTY OK
4060120	219334.000	SQYD	PRIME COAT	\$1.20	\$1.45	\$1.50	-164,764,760.000	-75120.5%	120.8%	No	EE OK/ QTY OK
4090240	218536.000	SQYD	PORTLAND CEMENT CONCRETE PAVEMENT (12-INCH)	\$110.00	\$105.00	\$168.00	-130,765.683	-59.8%	95.5%	No	EE OK/ QTY OK
4090310	146953.780	LINFT	SAW LONGITUDINAL WEAKENED PLANE JOINTS	\$6.00	\$5.50	\$4.55	8,671,829.474	5901.1%	91.7%	No	EE OK/ QTY OK
4090330	60899.360	LINFT	SAW AND RESEAL JOINTS	\$4.00	\$5.00	\$6.25	-6,590,590.400	-10822.1%	125.0%	No	EE OK/ QTY OK
4090350	146953.780	LINFT	SAW TRANSVERSE WEAKENED PLANE JOINTS	\$6.00	\$6.00	\$4.55	5,681,543.448	3866.2%	100.0%	No	EE OK/ QTY OK
4090680	45447.280	SQYD	GRIND CONCRETE PAVEMENT	\$8.00	\$9.00	\$11.00	-4,119,119.000	-9063.5%	112.5%	No	EE Low, Could have been \$9.50 / QTY OK
4090700	52640.160	GAL	PCCP CURING COMPOUND,WAX BASE	\$10.00	\$10.00	\$8.00	4,119,119.000	7825.1%	100.0%	No	EE OK/ QTY OK
4090730	7182.000	SQFT	REPAIR CONCRETE SLAB	\$40.00	\$135.00	\$80.00	149,786.145	2085.6%	337.5%	Yes	EE OK/ QTY OK
4960130	13532.000	SQYD	BRIDGE DECK PREPARATION AND CONCRETE PLACEMENT	\$50.00	\$65.00	\$7.00	142,038.586	1049.6%	130.0%	No	EE OK/ QTY OK
4960160	1038997.000	POUND	POLYMER CONCRETE AGGREGATE	\$0.30	\$0.50	\$1.00	-16,476,476.000	-1585.8%	166.7%	Yes	EE OK/ QTY OK
4960170	136695.000	POUND	POLYMER CONCRETE RESIN	\$3.50	\$4.00	\$4.00	N/A	N/A	114.3%	No	EE OK/ QTY OK
5020130	2276.000	LINFT	SPECIAL CONCRETE BARRIER RAIL	\$180.00	\$716.00	\$1,215.00	-16,509.495	-725.4%	397.8%	Yes	EE OK/ QTY OK
5020275	464.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE A	\$200.00	\$245.00	\$175.00	117,689.114	25364.0%	122.5%	No	EE OK/ QTY OK
5020280	25095.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B	\$200.00	\$170.00	\$175.00	-1,647,647.600	-6565.6%	85.0%	No	EE OK/ QTY OK
5020281	10194.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE B (OFFSET)	\$200.00	\$400.00	\$305.00	86,718.295	850.7%	200.0%	Yes	EE Low should have been \$300 / QTY Low and will increase an additional 1630ft
5020282	6574.000	LINFT	SINGLE SLOPE CONCRETE BARRIER RAIL, TYPE SB	\$150.00	\$250.00	\$270.00	-411,911.900	-6265.8%	166.7%	Yes	EE OK/ QTY OK
5020450	1.000	LS	SEISMIC RETROFIT OF COLUMNS	\$714,000.00	\$325,000.00	\$300,000.00	N/A	N/A	45.5%	Yes	EE OK/ QTY OK
5020530	8.000	EACH	LAMINATED ELASTOMERIC BEARING PAD	\$1,500.00	\$7,000.00	\$5,600.00	5,884.456	73555.7%	466.7%	Yes	EE OK/ QTY OK
5020750	883.750	CUYD	CLASS AA CONCRETE (MINOR)	\$2,000.00	\$1,750.00	\$1,650.00	82,382.380	9321.9%	87.5%	No	EE OK/ QTY OK
5020881	4033.000	CUYD	CLASS DA CONCRETE, MODIFIED (MAJOR) (STRUCTURES)	\$1,500.00	\$1,600.00	\$1,900.00	-27,460.793	-680.9%	106.7%	No	EE OK/ QTY OK
5020950	9514.000	CUYD	CLASS AA CONCRETE, MODIFIED (MAJOR)	\$950.00	\$800.00	\$1,100.00	-27,460.793	-288.6%	84.2%	No	EE OK/ QTY OK
5020990	297.000	CUYD	CLASS DA CONCRETE, MODIFIED (MAJOR)	\$1,000.00	\$1,300.00	\$1,020.00	29,422.279	9906.5%	130.0%	No	EE OK/ QTY OK
5021010	4839.000	CUYD	CLASS EA CONCRETE, MODIFIED (MAJOR)	\$1,300.00	\$1,500.00	\$1,675.00	-47,075.646	-972.8%	115.4%	No	EE OK/ QTY OK

Price Sensitivity
July 13, 2023

Attachment D

5021950	639.000	GAL	BRIDGE DECK CURING COMPOUND	\$25.00	\$100.00	\$50.00	164,764.760	25784.8%	400.0%	Yes	EE OK/ QTY OK
5022000	1280.000	LINFT	PREFORMED JOINT FILLER, (2-INCH)	\$60.00	\$45.00	\$65.00	-411,911.900	-32180.6%	75.0%	No	EE OK/ QTY OK
5022100	1.000	LS	TEMPORARY SHORING (SPECIAL)	\$200,000.00	\$1,500,000.00	\$2,360,000.00	N/A	N/A	750.0%	Yes	EE OK/ QTY OK
5030130	1.000	LS	PRESTRESSING CAST-IN-PLACE CONCRETE	\$65,000.00	\$100,000.00	\$75,000.00	329.530	32953.0%	153.8%	Yes	EE OK/ QTY OK
5030360	6.000	EACH	48-FOOT PRECAST CONCRETE MEMBERS	\$53,000.00	\$48,000.00	\$44,000.00	2,059.560	34326.0%	90.6%	No	EE OK/ QTY OK
5030370	8.000	EACH	50-FOOT PRECAST CONCRETE MEMBERS	\$55,000.00	\$48,000.00	\$44,000.00	2,059.560	25744.5%	87.3%	No	EE OK/ QTY OK
5030400	14.000	EACH	53-FOOT PRECAST CONCRETE MEMBERS	\$59,000.00	\$48,000.00	\$44,000.00	2,059.560	14711.1%	81.4%	No	EE OK/ QTY OK
5030420	12.000	EACH	55-FOOT PRECAST CONCRETE MEMBERS	\$61,000.00	\$51,000.00	\$50,000.00	8,238.238	68652.0%	83.6%	No	EE OK/ QTY OK
5030430	8.000	EACH	56-FOOT PRECAST CONCRETE MEMBERS	\$62,000.00	\$51,000.00	\$47,000.00	2,059.560	25744.5%	82.3%	No	EE OK/ QTY OK
5030440	12.000	EACH	58-FOOT PRECAST CONCRETE MEMBERS	\$64,000.00	\$51,000.00	\$48,000.00	2,746.079	22884.0%	79.7%	No	EE OK/ QTY OK
5030450	12.000	EACH	60-FOOT PRECAST CONCRETE MEMBERS	\$66,000.00	\$56,000.00	\$49,000.00	1,176.891	9807.4%	84.8%	No	EE OK/ QTY OK
5030480	26.000	EACH	66-FOOT PRECAST CONCRETE MEMBERS	\$73,000.00	\$61,000.00	\$65,000.00	-2,059.560	-7921.4%	83.6%	No	EE OK/ QTY OK
5030510	6.000	EACH	70-FOOT PRECAST CONCRETE MEMBERS	\$77,000.00	\$61,000.00	\$61,000.00	N/A	N/A	79.2%	No	EE OK/ QTY OK
5030540	3.000	EACH	74-FOOT PRECAST CONCRETE MEMBERS	\$82,000.00	\$61,000.00	\$61,000.00	N/A	N/A	74.4%	Yes	EE OK/ QTY OK
5030560	6.000	EACH	78-FOOT PRECAST CONCRETE MEMBERS	\$86,000.00	\$61,000.00	\$61,000.00	N/A	N/A	70.9%	Yes	EE OK/ QTY OK
5050100	1320224.000	POUND	REINFORCING STEEL	\$1.65	\$1.39	\$1.75	-22,883,994.444	-1733.3%	84.2%	No	EE High, Could have been \$1.30 / QTY OK
5050110	6208.000	POUND	REINFORCING STEEL (DOWELED)	\$10.00	\$10.00	\$9.50	16,476,476.000	265407.2%	100.0%	No	EE OK/ QTY OK
5050120	1833676.000	POUND	REINFORCING STEEL (EPOXY COATED)	\$2.75	\$1.65	\$2.00	-23,537,822.857	-1283.6%	60.0%	Yes	EE OK/ QTY OK
5060110	125556.000	POUND	STRUCTURAL STEEL	\$8.00	\$13.00	\$11.80	6,865,198.333	5467.8%	162.5%	Yes	EE OK/ QTY OK
5060470	240.000	EACH	APPROACH SLAB RESTRAINER UNIT	\$110.00	\$400.00	\$250.00	54,921.587	22884.0%	363.6%	Yes	EE OK/ QTY OK
5060810	1600.000	LINFT	PEDESTRIAN RAIL, TYPE V (MODIFIED)	\$140.00	\$261.87	\$355.00	-88,459.551	-5528.7%	187.1%	Yes	EE OK/ QTY OK
5060820	1452.000	LINFT	PEDESTRIAN RAIL, TYPE X	\$80.00	\$87.18	\$200.00	-73,021.078	-5029.0%	109.0%	No	EE OK/ QTY OK
5090170	1440.000	LINFT	DRILLED SHAFT FOUNDATION (60-INCH)	\$800.00	\$4,500.00	\$5,200.00	-11,768.911	-817.3%	562.5%	Yes	EE OK/ QTY OK
6030140	620.000	LINFT	15-INCH REINFORCED CONCRETE PIPE, CLASS III	\$180.00	\$350.00	\$47.00	27,188.904	4385.3%	194.4%	Yes	EE OK/ QTY OK
6030170	6647.000	LINFT	18-INCH REINFORCED CONCRETE PIPE, CLASS III	\$110.00	\$300.00	\$59.00	34,183.560	514.3%	272.7%	Yes	EE OK/ QTY OK
6030230	1345.000	LINFT	24-INCH REINFORCED CONCRETE PIPE, CLASS III	\$110.00	\$221.00	\$69.00	N/A	N/A	200.9%	Yes	EE OK/ QTY OK
6030290	670.000	LINFT	30-INCH REINFORCED CONCRETE PIPE, CLASS III	\$200.00	\$285.00	\$94.00	43,132.14	6437.6%	142.5%	No	EE OK/ QTY OK
6030350	584.000	LINFT	36-INCH REINFORCED CONCRETE PIPE, CLASS III	\$260.00	\$276.00	\$129.00	56,042.435	9596.3%	106.2%	No	EE OK/ QTY OK
6030460	954.000	LINFT	48-INCH REINFORCED CONCRETE PIPE, CLASS V	\$400.00	\$650.00	\$400.00	32,952.952	3454.2%	162.5%	Yes	EE OK/ QTY OK
6080250	51.000	EACH	ANCHOR ASSEMBLY (18-INCH)	\$900.00	\$1,500.00	\$1,000.00	16,476.476	32306.8%	166.7%	Yes	EE OK/ QTY OK
6080370	772.000	LINFT	18-INCH DOWNDRAIN PIPE	\$250.00	\$235.00	\$205.00	274,607.933	35571.0%	94.0%	No	EE OK/ QTY OK
6090380	20.000	EACH	TYPE 1 MANHOLE (MODIFIED)	\$6,000.00	\$22,000.00	\$28,000.00	-1,373.040	-6865.2%	366.7%	Yes	EE Low, Could have been \$7,500 / QTY OK
6090390	8.000	EACH	TYPE 2 MANHOLE (MODIFIED)	\$10,000.00	\$22,000.00	\$28,500.00	-1,267.421	-15842.8%	220.0%	Yes	EE OK/ QTY OK
6090396	4.000	EACH	TYPE 3 MANHOLE (MODIFIED)	\$17,500.00	\$22,000.00	\$29,000.00	-1,176.891	-29422.3%	125.7%	No	EE OK/ QTY OK
6090400	4.000	EACH	TYPE 4 MANHOLE	\$23,000.00	\$50,000.00	\$40,500.00	867.183	21679.6%	217.4%	Yes	EE Low, Could be \$27,000 / QTY OK
6090840	3.000	EACH	STORMWATER TREATMENT VAULT (TYPE A)	\$50,000.00	\$150,000.00	\$105,000.00	183.072	6102.4%	300.0%	Yes	EE OK/ QTY OK
6091030	19800.000	POUND	CASTINGS	\$3.50	\$5.00	\$1.00	2,059,559.500	10401.8%	142.9%	No	EE OK/ QTY OK
6091040	99276.000	POUND	STRUCTURAL STEEL GRATES	\$3.00	\$6.00	\$11.00	N/A	N/A	200.0%	Yes	EE OK/ QTY OK
6100050	12470.000	SQYD	GEOTEXTILE (CLASS 1)	\$4.00	\$10.00	\$4.00	1,373,039.667	11010.7%	250.0%	Yes	EE Low, Could have been \$5.50 / QTY OK
6100170	11350.500	CUYD	RIPRAP (CLASS 150)	\$80.00	\$125.00	\$140.00	-549,215.867	-4838.7%	156.3%	Yes	EE Low, Could have been \$110 / QTY OK
6100190	4847.000	CUYD	RIPRAP (CLASS 300)	\$90.00	\$130.00	\$145.00	-549,215.867	-11331.0%	144.4%	No	EE Low, Could have been \$140 / QTY OK
6100200	2705.000	CUYD	RIPRAP (CLASS 400)	\$200.00	\$160.00	\$114.00	179,092.130	6620.8%	80.0%	No	EE OK/ QTY OK
6100210	2607.000	CUYD	RIPRAP (CLASS 550)	\$200.00	\$180.00	\$118.00	132,874.806	5096.8%	90.0%	No	EE OK/ QTY OK
6100470	12144.000	CUYD	RIPRAP BEDDING (CLASS 300)	\$120.00	\$125.00	\$148.00	-358,184.261	-2949.5%	104.2%	No	EE OK/ QTY OK
6100480	575.000	CUYD	RIPRAP BEDDING (CLASS 400)	\$200.00	\$160.00	\$110.00	164,764.760	28654.7%	80.0%	No	EE OK/ QTY OK
6100490	672.000	CUYD	RIPRAP BEDDING (CLASS 550)	\$180.00	\$170.00	\$105.00	126,742.123	18860.4%	94.4%	No	EE Low, Could have been \$215 / QTY OK
6100585	548.000	SQYD	ARTICULATED CONCRETE BLOCK	\$170.00	\$275.00	\$250.00	329,529.520	60133.1%	161.8%	Yes	EE OK/ QTY OK
6110120	408.000	CUYD	CLASS AA CONCRETE SLOPE PAVEMENT	\$800.00	\$1,600.00	\$1,500.00	82,382.380	20191.8%	200.0%	Yes	EE OK/ QTY OK
6161470	15611.000	LINFT	TEMPORARY FENCE	\$6.00	\$4.20	\$4.00	41,191,190.000	263860.0%	70.0%	Yes	EE OK/ QTY OK
6190200	1584.000	EACH	GUIDE POSTS (RIGID)	\$50.00	\$65.00	\$65.00	N/A	N/A	130.0%	No	EE Low, Could have been \$65 / QTY OK
6230201	33.000	EACH	ITS VAULT	\$10,500.00	\$8,384.00	\$8,384.00	N/A	N/A	79.8%	No	EE OK/ QTY OK
6230226	50.000	EACH	NO. 3-1/2 PULL BOX, MODIFIED	\$2,150.00	\$1,234.00	\$1,234.00	N/A	N/A	57.4%	Yes	EE OK/ QTY OK
6230232	24.000	EACH	NO. 5 PULL BOX, MODIFIED	\$2,750.00	\$2,135.00	\$2,135.00	N/A	N/A	77.6%	No	EE OK/ QTY OK
6230236	48.000	EACH	NO. 7 PULL BOX, MODIFIED	\$3,200.00	\$2,951.00	\$2,951.00	N/A	N/A	92.2%	No	EE OK/ QTY High, Should have been 47
6230268	84.000	EACH	LUMINAIRE, TYPE B	\$800.00	\$572.00	\$572.00	N/A	N/A	71.5%	Yes	EE OK/ QTY OK
6230570	35.000	EACH	STEEL POLE, TYPE 7	\$10,000.00	\$10,104.00	\$10,104.00	N/A	N/A	101.0%	No	EE OK/ QTY High, Should have been 34
6230658	1.000	EACH	ITS POLE (80 FOOT)	\$83,000.00	\$69,019.00	\$69,619.00	-13,730.397	-1373039.7%	83.2%	No	EE OK/ QTY OK
6230835	52.000	EACH	LOOP DETECTOR (PRE-FORMED)	\$900.00	\$1,405.00	\$1,405.00	N/A	N/A	156.1%	Yes	EE OK/ QTY OK
6230921	3.000	EACH	RADAR DETECTOR SYSTEM	\$16,500.00	\$29,388.00	\$29,388.00	N/A	N/A	178.1%	Yes	EE OK/ QTY OK
6231061	3.000	EACH	COMMUNICATION CABINET	\$27,800.00	\$24,476.00	\$24,476.00	N/A	N/A	88.0%	No	EE OK/ QTY OK
6231441	8.000	EACH	REMOVE AND RESET STEEL POLE	\$5,000.00	\$7,217.00	\$7,217.00	N/A	N/A	144.3%	No	EE OK/ QTY OK
6231445	15.000	EACH	REMOVE AND RESET LIGHT POLE	\$5,750.00	\$7,324.00	\$7,324.00	N/A	N/A	127.4%	No	EE OK/ QTY OK
6231820	45533.000	LINFT	3-INCH CONDUIT	\$17.50	\$27.20	\$27.20	N/A	N/A	155.4%	Yes	EE OK (possible price increases due to out of state subcontractor) / QTY should have been 45571
6231825	741.000	LINFT	3-INCH CONDUIT(METAL)	\$75.00	\$77.70	\$77.70	N/A	N/A	103.6%	No	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6231850	41301.000	LINFT	4-INCH MULTIDUCT CONDUIT	\$19.00	\$28.80	\$28.80	N/A	N/A	151.6%	Yes	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6231935	7656.000	LINFT	NO. 4/0 CONDUCTOR	\$6.00	\$7.40	\$7.40	N/A	N/A	123.3%	No	EE OK (possible price increases due to out of state subcontractor) / QTY OK

Price Sensitivity
July 13, 2023

Attachment D

6231945	15195.000	LINFT	NO. 2/0 CONDUCTOR	\$3.50	\$5.30	\$5.30	N/A	N/A	151.4%	Yes	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6231960	60215.000	LINFT	NO. 2 CONDUCTOR	\$2.45	\$3.60	\$3.60	N/A	N/A	146.9%	No	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6231970	65687.000	LINFT	NO. 4 CONDUCTOR	\$2.00	\$2.60	\$2.60	N/A	N/A	130.0%	No	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6231975	63718.000	LINFT	NO. 6 CONDUCTOR	\$1.30	\$2.00	\$2.00	N/A	N/A	153.8%	Yes	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6232175	46015.000	LINFT	FIBER OPTIC CABLE	\$4.75	\$9.40	\$9.40	N/A	N/A	197.9%	Yes	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6232179	4381.000	LINFT	FIBER OPTIC BRANCH CABLE	\$12.50	\$13.20	\$13.20	N/A	N/A	105.6%	No	EE OK (possible price increases due to out of state subcontractor) / QTY OK
6232915	12.000	EACH	INTEGRATED FIBER OPTIC SPLICE/TERMINATION UNIT (UNDERGROUND)	\$5,770.00	\$5,367.00	\$5,367.00	N/A	N/A	93.0%	No	EE OK/ QTY OK
6233018	1.000	LS	AUTOMATED VEHICLE CLASSIFICATION SYSTEM (8-LANE CONFIGURATION)	\$120,000.00	\$226,373.00	\$226,373.00	N/A	N/A	188.6%	Yes	EE OK/ QTY OK
6240140	450.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,200.00	\$10,000.00	\$5,000.00	1,647.648	366.1%	833.3%	Yes	EE OK/ QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$3,800,000.00	\$21,300,000.00	\$8,750,000.00	N/A	N/A	560.5%	Yes	EE OK/ QTY OK
6270110	1.000	LS	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURES	\$1,060,000.00	\$1,200,000.00	\$1,800,000.00	-13.730	-1373.0%	113.2%	No	EE OK/ QTY OK
6270150	3547.580	SQFT	PERMANENT SIGN PANELS (OVERHEAD)	\$50.00	\$45.50	\$45.00	16,476,476.000	464442.7%	91.0%	No	EE OK/ QTY OK
6270190	1351.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$100.00	\$175.00	\$175.00	N/A	N/A	175.0%	Yes	EE Low, Could have been \$150 / QTY OK
6270260	467.500	SQFT	PERMANENT SIGNS, RESET	\$70.00	\$175.00	\$175.00	N/A	N/A	250.0%	Yes	EE Low, Could have been \$115 / QTY OK
6280120	1.000	LS	MOBILIZATION	\$14,442,243.90	\$22,804,600.58	\$23,585,277.89	N/A	N/A	157.9%	Yes	Fixed Percentage10%
6310100	109781.000	SQFT	PRECAST CONCRETE WALL PANELS	\$90.00	\$85.00	\$77.00	1,029,779.750	938.0%	94.4%	No	EE OK/ QTY OK
6320100	38.600	MILE	CONTRAST STRIPING	\$7,500.00	\$3,000.00	\$3,750.00	-10,984.317	-28456.8%	40.0%	Yes	EE OK/ QTY OK
6320940	14.190	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID WHITE)	\$5,200.00	\$5,865.00	\$7,500.00	-5,038.678	-35508.7%	112.8%	No	EE OK/ QTY OK
6321030	12.530	MILE	EPOXY PAVEMENT STRIPING (8-INCH SOLID YELLOW)	\$5,200.00	\$5,865.00	\$7,500.00	-5,038.678	-40212.9%	112.8%	No	EE OK/ QTY OK
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$674,340.89	\$1,000,000.00	\$1,000,000.00	N/A	N/A	148.3%	No	EE OK/ QTY OK
6410100	26.000	EACH	IMPACT ATTENUATOR	\$37,000.00	\$50,000.00	\$45,000.00	1,647.648	6337.1%	135.1%	No	EE Low, Could have been \$43,000 / QTY OK
6420100	35173.000	SQFT	CONCRETE PANEL WALL	\$35.00	\$95.00	\$114.00	-433,591.474	-1232.7%	271.4%	Yes	EE Low, Limited Bid Item History for quantity size / QTY OK
6420110	22741.000	CUYD	MECHANICALLY STABILIZED EARTH BACKFILL	\$40.00	\$78.00	\$165.00	-94,692.391	-416.4%	195.0%	Yes	EE Low, Could have been \$100 / QTY OK
6440100	15165.000	LINFT	SOIL NAIL	\$75.00	\$100.00	\$110.00	-823,823.800	-5432.4%	133.3%	No	EE OK/ QTY OK
6600995	2420.000	SQYD	PNEUMATICALLY PLACED CONCRETE MORTAR (4-INCHES)	\$200.00	\$190.00	\$390.00	-41,191.190	-1702.1%	95.0%	No	EE OK/ QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities; four quantity errors were identified. Bid item 5020281, Single Slope Concrete Barrier Rail, Type B (Offset), quantity will increase from 10,194 LinFt. to 11,824 LinFt. Bid Item 6230236, No. 7 Pull Box Modified will decrease from 48 Each to 47 Each. Bid Item 6230570, Steel Pole, Type 7 will decrease from 35 Each to 34 Each. Bid Item 6231820 3-Inch Conduit will increase from 45,533 LinFt. to 45,571 LinFt. The BRAT discussed a few bid items that could explain the price differences between the engineer's estimate and the contractor's bid prices. Earthwork appears to be bid higher than usual, however, this work has to be supplied by a commercially sourced pit. Trucking resources, haul times and project location distance to the pit could all be factors resulting in higher bid prices. Drilled Shaft Foundations were also discussed. Structure 1092 and 1093 require detailed structural shoring, the construction joint placement in relation to the isolation and temporary casings may be a concern constructibility-wise as these structures will need to be supported by a crane and require concrete pumping while portions of the structures are removed to complete the construction of new MSE walls at these locations. These structures are also adjacent to the Union Pacific Rail Road (UPRR); coordinating construction activities near railroads carries risk to construction working through UPRR lengthy review timelines. This could explain the contractor's bid pricing for the contract's bridge structural components. Temporary Traffic Control (TTC), Traffic Control Supervisor (TCS) and Mobilization were also discussed. There were approximately 10 RFIs asked by the contractors regarding TTC and their concerns with working days, especially the working days assigned to complete US395 northbound in 250 days. There is also a lot of specialized work that the contractor will have to mobilize and demobilize the work zone throughout the project to meet working day duration. This has resulted in higher traffic control bid prices. All other prices and quantities have been verified. The BRAT found some sensitive bid prices as noted above, but remains confident in the plan quantities. **BRAT Recommends to Award**

Purpose and Need of Project: This project is located on U.S. 395 from north McCarran Boulevard to Golden Valley Road in Northern Nevada. This project will widen U.S. 395 southbound from two to three lanes between north McCarran Boulevard and Golden Valley Road and add sound walls near residential areas. This project will include auxiliary lanes between the interchanges in both the northbound and southbound directions, and the rehabilitation of the existing roadway. Adding one additional lane to southbound U.S. 395 between McCarran Boulevard and Golden Valley Road. This new lane will be constructed in the existing inside median of the southbound freeway. Constructing additional designated merging lanes between each freeway ramp in both directions on U.S. 395 between McCarran Boulevard and Golden Valley Road. Repaving U.S. 395 between McCarran Boulevard and Golden Valley Road. Constructing a "braided" freeway ramp along northbound U.S. 395 between the Panther Valley on-ramp and Golden Valley Road for safer, smoother traffic flow.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 11: Contract 3989, Project No. SPF-093-5(028), on US 93 and SR 233, with INTERMOUNTAIN SLURRY SEAL, INC., for chip seal, double chip seal, and border sign packages, Elko and White Pine Counties, Nevada. – *For possible action*

Summary:

June 22, 2023, at 2:30 PM, the following bids were opened for Contract 3989, Project No. SPF-093-5(028), on US 93 and SR 233, in Elko and White Pine Counties, for chip seal, double chip seal, and border sign packages.

Intermountain Slurry Seal, Inc.....	\$5,919,978.60
Sierra Nevada Construction, Inc.....	\$5,964,007.00
Engineer’s Estimate.....	\$4,730,207.68

List of Attachment(s):

- A. Concurrence in Award Memorandum
- B. Unofficial Bid Results
- C. Small Business Enterprise (SBE) Goal
- D. Bid Review and Analysis Team (BRAT) Summary Report

Recommendation for Board Action:

Award contract 3989, to INTERMOUNTAIN SLURRY SEAL, INC., in the amount of \$5,919,978.60.

Prepared by:

Administrative Services Division




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

MEMORANDUM
Administrative Services

August 1, 2023

To: Tracy Larkin Thomason, P.E., Director
Sajid Sulahria, Deputy Director of Project Delivery and Engineering
Jenica Keller, Assistant Director, Operations

From: Vanessa Pickles, Contract Services Manager, Administrative Services 

Subject: Concurrence in Award for Contract No. 3989, Project No. SPF-093-5(028), on US 93 and SR 233, in Elko and White Pine Counties, described as: chip seal, double chip seal and border sign packages. The Engineer's Estimate is \$4,730,207.68.

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

Bid proposals were opened on June 22, 2023. Intermountain Slurry Seal, Inc. is the apparent low bidder at \$5,919,978.60 and they submitted a properly executed proposal, bid bond, and anti-collusion affidavit. The second low bidder is Sierra Nevada Construction, Inc. with a bid of \$5,964,007.00.


The project is State funded, required 7.00% SBE participation, and Bidder's Preference was applied but did not affect the successful contractor's ranking.

The subcontractor and supplier listings submitted by Intermountain Slurry Seal, Inc. have been reviewed and confirmed by Contract Services. The SBE information submitted by Intermountain Slurry Seal, Inc. has been reviewed and certified by the External Civil Rights office. Intermountain Slurry Seal, Inc. has met the required SBE participation with a 7.10% commitment. The bid is above the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference. The BRAT Co-Chairs have provided their recommendation to award, and the report is attached.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain approval of the award at the September 2023 Transportation Board meeting.

Concurrence to award:


Sajid Sulahria, Deputy Director


Jenica Keller, Assistant Director


Tracy Larkin Thomason, P.E., Director

Attachments:
Unofficial Bid Results
SBE Sub Approval
BRAT Summary Report



Nevada Department of Transportation
Unofficial Bid Results
 June 22, 2023

Contract Number: 3989	Bid Opening Date and Time: 6/22/2023 2:30 PM
Designer: GREGORY MINDRUM	Liquidated Damages: \$4,500.00
Senior Designer:	Working Days: 40
Estimate Range: R25 \$4,600,000.01 to \$5,500,000	District: DISTRICT 3
Project Number: SPF-093-5(028)	

County: ELKO; WHITE PINE
Location: US 93 and SR 233
Description: chip seal, double chip seal and border sign packages

	Actual Bid
Apparent Low Bidder: Intermountain Slurry Seal, Inc.	<u>\$5,919,978.60</u>
Apparent 2nd: Sierra Nevada Construction, Inc.	<u>\$5,964,007.00</u>

Bidders:	Certificate of Eligibility	Actual Bid Amount
1 Intermountain Slurry Seal, Inc. PO Box 50085 Watsonville, CA 95077 (775) 358-1355	✓	\$5,919,978.60
2 Sierra Nevada Construction, Inc. PO Box 50760 Sparks, NV 89435 (775) 355-0420	✓	\$5,964,007.00



Attachment D

123 E. Washington Ave.
Las Vegas, Nevada 89101
Phone: (775) 888-7497
Fax: (775) 888-7235

MEMORANDUM
External Civil Rights

June 29, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services

From: Jess Lis, DBE Specialist

^{DS}
A handwritten signature in blue ink, enclosed in a blue rectangular box. The signature appears to be 'JL'.

Subject: NDOT Bidder SBE Information – Contract no. 3989, US 93 and SR 233, in ELKO; WHITE PINE County, to chip seal, double chip seal and border sign packages

Apparent low bid: \$5,919,978.60

The SBE information for T and S DVBE, Inc. and Straight Stripe Painting, Inc. as submitted by the apparent low bidder, Intermountain Slurry Seal, Inc., has been received by External Civil Rights and we have concluded:

T and S DVBE, Inc. and Straight Stripe Painting, Inc. hold active State of Nevada business licenses and are Nevada certified SBE firms. Additionally, Straight Stripe Painting, Inc. holds an active Nevada State Contractors Board license. Both firms are clear of State disqualification and Federal exclusion.

The SBE goal of 7.00% has been met with a 7.10% SBE committed participation by the apparent low bidder Intermountain Slurry Seal, Inc.

The SBE firms are approved for this contract.

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



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

MEMORANDUM
Administrative Services

July 31, 2023

To: Teresa Schlaffer, Deputy Chief, Administrative Services Division
From: Bid Review and Analysis Team
Subject: BRAT Summary Report for Contract No.: 3989

The Bid Review and Analysis Team (BRAT) met on June 27, 2023, to discuss bids for the above referenced contract. The following were in attendance:

- Scott Hein, Chief Roadway Design Engineer
- Sam Lompa, Chief Construction Engineer
- Tonia Andree, Professional Engineer
- Ambere Angel, Professional Engineer
- Lester Aquino
- Brian Deal, Professional Engineer
- Samantha Dowd, Professional Engineer
- Steven Hale, Professional Engineer
- Curtis Hartzell, Associate Engineer
- Andy Lawrence, Professional Engineer
- Monty Lowe, Associate Engineer
- Eric MacGill, Associate Engineer
- Kathia Malfavon,
- Greg Mindrum, Associate Engineer
- James Opperman, Associate Engineer
- Jason Orth
- Regina Pierce, Professional Engineer
- Vanessa Pickles, Contract Services Manager
- Allisa Root, Associate Engineer
- Phillip Slagel, Professional Engineer
- Jesse Smithson Professional Engineer
- Frederick Tydeman, Professional Engineer
- Sierra Udey
- Mike West, Associate Engineer
- Thomas Young, Professional Engineer
- Eric Yount, Professional Engineer

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

The apparent lowest responsive bidder, Intermountain Slurry Seal , Inc., submitted a bid which is 125.2% of the Engineer’s Estimate. The BRAT recommends award of this contract.

Submitted:

DocuSigned by:

E7F2D4508AC8488
Scott Hein, BRAT Co-Chair

DocuSigned by:

B55C00ABA04F48E
Sam Lompa, BRAT Co-Chair

cc: Attendees
Lori Story, Legal
Design Admin

Bid Tabulation

June 22, 2023

Attachment D

Contract No.: 3989
Description: chip seal, double chip seal and border sign packages
Location: US 93 and SR 233
Bid Opening: June 22, 2023

Project No.: SPF-093-5(028)
Project Id: 69944
County: Elko; White Pine
Range: R25 (\$4,600,000.01 to \$5,500,000.00)
Working: 40 days

Item No.	Quantity	Unit	Description	Engineer's Estimate		Intermountain Slurry Seal, Inc.		Sierra Nevada Construction, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2021295	104.500	SQYD	REMOVE PAVEMENT MARKINGS	\$50.00	\$5,225.00	\$20.00	\$2,090.00	\$50.00	\$5,225.00
4070230	433.000	TON	FOG SEAL	\$700.00	\$303,100.00	\$850.00	\$368,050.00	\$975.00	\$422,175.00
4070240	10.000	TON	SAND BLOTTER	\$65.00	\$650.00	\$100.00	\$1,000.00	\$10.00	\$100.00
4080240	472.000	TON	EMULSIFIED ASPHALT, TYPE LMCRS-2H	\$800.00	\$377,600.00	\$800.00	\$377,600.00	\$865.00	\$408,280.00
4080317	2,047.000	TON	EMULSIFIED ASPHALT, TYPE PMRE-H	\$800.00	\$1,637,600.00	\$1,000.00	\$2,047,000.00	\$895.00	\$1,832,065.00
4080360	2,979.000	TON	SCREENINGS, 3/8-INCH	\$85.00	\$253,215.00	\$120.00	\$357,480.00	\$130.00	\$387,270.00
4080390	12,295.000	TON	SCREENINGS, 1/2-INCH	\$80.00	\$983,600.00	\$110.00	\$1,352,450.00	\$105.00	\$1,290,975.00
6240130	1.000	FA	UNIFORMED TRAFFIC CONTROL OFFICER	\$28,000.00	\$28,000.00	\$28,000.00	\$28,000.00	\$28,000.00	\$28,000.00
6240140	40.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,000.00	\$40,000.00	\$5,000.00	\$200,000.00	\$950.00	\$38,000.00
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$255,000.00	\$255,000.00	\$350,000.00	\$350,000.00	\$411,149.82	\$411,149.82
6270100	1.000	LS	INSTALL STATE FURNISHED SIGNS	\$2,880.00	\$2,880.00	\$5,000.00	\$5,000.00	\$50,000.00	\$50,000.00
6270190	429.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$120.00	\$51,510.00	\$100.00	\$42,925.00	\$245.00	\$105,166.25
6270240	457.330	SQFT	PERMANENT SIGNS, REMOVE	\$10.00	\$4,573.30	\$20.00	\$9,146.60	\$12.50	\$5,716.63
6280120	1.000	LS	MOBILIZATION	\$430,018.88	\$430,018.88	\$200,000.00	\$200,000.00	\$550,000.00	\$550,000.00
6320530	5.780	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (BROKEN WHITE)	\$350.00	\$2,023.00	\$500.00	\$2,890.00	\$430.00	\$2,485.40
6320570	280.000	LINFT	WATERBORNE PAVEMENT STRIPING (TYPE II) (SOLID WHITE)	\$10.00	\$2,800.00	\$0.25	\$70.00	\$0.50	\$140.00
6320590	219.120	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (6-INCH SOLID WHITE)	\$1,000.00	\$219,120.00	\$1,750.00	\$383,460.00	\$1,300.00	\$284,856.00
6320610	0.610	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (8-INCH SOLID WHITE)	\$1,100.00	\$671.00	\$2,000.00	\$1,220.00	\$1,550.00	\$945.50
6320650	66.880	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (BROKEN YELLOW)	\$500.00	\$33,440.00	\$500.00	\$33,440.00	\$430.00	\$28,758.40
6320750	22.170	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (BROKEN YELLOW W/SOLID YELLOW)	\$1,200.00	\$26,604.00	\$1,350.00	\$29,929.50	\$1,050.00	\$23,278.50
6320780	24.110	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (DOUBLE SOLID YELLOW)	\$1,500.00	\$36,165.00	\$2,000.00	\$48,220.00	\$1,550.00	\$37,370.50
6341060	2,227.500	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$15.00	\$33,412.50	\$33.00	\$73,507.50	\$20.00	\$44,550.00
6370110	1.000	LS	TEMPORARY POLLUTION CONTROL	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00
Totals:					\$4,730,207.68		\$5,919,978.60		\$5,964,007.00

Price Sensitivity

June 22, 2023

Contract No.: 3989
Project No.: SPF-093-5(028)
Project Id: 69944
County: Elko; White Pine
Range: R25 (\$4,600,000.01 to \$5,500,000.00)
Working: 40 days

RE: Regina Pierce
Designer: Gregory Mindrum

Engineer's Estimate	Intermountain Slurry Seal, Inc.	Sierra Nevada Construction, Inc.	Diff. Between Low & 2nd	Diff Between EE & Low	Low Bid % of EE
\$4,730,207.68	\$5,919,978.60	\$5,964,007.00	\$44,028.40	\$1,189,770.92	125.2%

Item No.	Quantity	Unit	Description	Engineer's Est. Unit Price	Low Bid Unit Price	2nd Low Bid Unit Price	Qty Chg Req'd to Chg Bid Order	% Change in Qty Req'd	Low % of EE	Significantly Unbalanced	Price & Quantity Check Comments
4070230	433.000	TON	FOG SEAL	\$700.00	\$850.00	\$975.00	-352.227	-81.3%	121.4%	No	EE OK/ QTY OK
4080240	472.000	TON	EMULSIFIED ASPHALT, TYPE LMCRS-2H	\$800.00	\$800.00	\$865.00	-677.360	-143.5%	100.0%	No	EE OK/ QTY OK
4080317	2047.000	TON	EMULSIFIED ASPHALT, TYPE PMRE-H	\$800.00	\$1,000.00	\$895.00	419.318	20.5%	125.0%	No	EE OK/ QTY OK
4080360	2979.000	TON	SCREENINGS, 3/8-INCH	\$85.00	\$120.00	\$130.00	-4,402.840	-147.8%	141.2%	No	EE OK/ QTY OK
4080390	12295.000	TON	SCREENINGS, 1/2-INCH	\$80.00	\$110.00	\$105.00	8,805.680	71.6%	137.5%	No	EE OK/ QTY OK
6240140	40.000	DAY	TRAFFIC CONTROL SUPERVISOR	\$1,000.00	\$5,000.00	\$950.00	10.871	27.2%	500.0%	Yes	EE OK/ QTY OK
6250490	1.000	LS	RENT TRAFFIC CONTROL DEVICES	\$255,000.00	\$350,000.00	\$411,149.82	N/A	N/A	137.3%	No	EE OK/ QTY OK
6270190	429.250	SQFT	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	\$120.00	\$100.00	\$245.00	-303.644	-70.7%	83.3%	No	EE OK/ QTY OK
6280120	1.000	LS	MOBILIZATION	\$430,018.88	\$200,000.00	\$550,000.00	N/A	N/A	46.5%	Yes	Fixed Percentage 10%
6320590	219.120	MILE	WATERBORNE PAVEMENT STRIPING (TYPE II) (6-INCH SOLID WHITE)	\$1,000.00	\$1,750.00	\$1,300.00	97.841	44.7%	175.0%	Yes	EE OK/ QTY OK
6341060	2227.500	SQFT	THERMOPLASTIC PAVEMENT MARKING (VARIES)	\$15.00	\$33.00	\$20.00	3,386.800	152.0%	220.0%	Yes	EE OK/ QTY OK

Additional Comments: The Bid Review Analysis Team has reviewed and checked the engineer's estimate and quantities; no errors were identified. All other prices and quantities have been verified. **BRAT Recommends to Award.**

Purpose and Need of Project: This is a maintenance project on several sections of US 93 in both White Pine and Elko Counties. It has been at least four years since any of these sections of US 93 have seen any kind of rehabilitation/maintenance. This project will add an emulsified asphalt layer with a fresh wearing course to extend the life of the pavement, a very common surface treatment in our pavement preservation program.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 12: Contract 815-23, Project No. SP-000M(329), at Quinn River and Orovada Maintenance Stations, with MKD CONSTRUCTION, INC., for fuel site upgrades, Humboldt County, Nevada.
– For possible action

Summary:

August 17, 2023, at 1:30 PM, the following bids were opened for Contract 815-23, Project No. SP-000M(329), at Quinn River and Orovada Maintenance Stations, in Humboldt County, for fuel site upgrades.

MKD Construction, Inc.....	\$5,110,554.00
Road and Highway Builders, LLC.....	\$7,333,333.00
Engineer’s Estimate.....	\$4,371,495.00

List of Attachment(s):

- A. Concurrence in Award Memorandum
- B. Unofficial Bid Results

Recommendation for Board Action:

Award contract 815-23, to MKD Construction, Inc., in the amount of \$5,110,554.00.

Prepared by:

Administrative Services Division



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

MEMORANDUM
Administrative Services

August 21, 2023

To: Tracy Larkin Thomason, P.E., Director
Sajid Sulahria, Deputy Director of Project Delivery and Engineering
Jenica Keller, Assistant Director, Operations

From: Vanessa Pickles, Contract Services Manager, Administrative Services

DS
VP

Subject: Concurrence in Award for Contract No. 815-23, Project No. SP-000M(329), at Quinn River and Orovada Maintenance Stations, in Humboldt County, described as: fuel site upgrades. The Engineer's Estimate is \$4,371,495.00.

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

Bid proposals were opened on August 17, 2023. MKD Construction, Inc. is the apparent low bidder at \$5,110,554.00 and they submitted a properly executed proposal, bid bond, and anti-collusion affidavit. The second low bidder is Road and Highway Builders LLC with a bid of \$7,333,333.00.

The project is State funded, does not require SBE participation, and Bidder's Preference was applied but did not affect the successful contractor's ranking.

The subcontractor and supplier listings submitted by MKD Construction, Inc. have been reviewed and confirmed by Contract Services. The bid is above the Engineer's Estimate Range, and a copy of the Unofficial Bid Results report is attached for your reference.

Your concurrence in award of this contract by endorsement hereon is respectfully requested. Upon receipt, a packet will be prepared to obtain approval of the award at the October 2023 Transportation Board meeting.

Concurrence to award:

DocuSigned by:
Sajid Sulahria
Sajid Sulahria, Deputy Director

DocuSigned by:
Jenica Keller
Jenica Keller, Assistant Director

DocuSigned by:
Tracy Larkin Thomason
Tracy Larkin Thomason, P.E., Director

Attachments:
Unofficial Bid Results



Nevada Department of Transportation
Unofficial Bid Results
August 17, 2023

Contract Number: 815-23	Bid Opening Date: 8/17/2023
Designer: Lumos & Associates	Bid Opening Time: 1:30 PM PDT
Senior Designer:	Liquidated Damages: \$1,500
Estimate Range: R24 (\$3,850,000.01 to \$4,600,000.00)	Working Days: 120
Project Number: SP-000M(329)	District: 3

County: Humboldt
Location: Quinn River and Orovada Maintenance Stations

Description: fuel site upgrades

Apparent Low Bidder: MKD Construction, Inc.	Actual Bid \$5,110,554.00
Apparent 2nd: Road and Highway Builders LLC	\$7,333,333.00

Bidders:	Certificate of Eligibility	Actual Bid Amount
1 MKD Construction, Inc. 20 Stokes Dr. Mound House, NV 89706 (775) 246-1900	✓	\$5,110,554.00
2 Road and Highway Builders LLC 950 E Mustang Road Sparks, NV 89434 (775) 852-7283	✓	\$7,333,333.00



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P.E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 13: Agreement 109-23-803, with APPLIED PAVEMENT TECHNOLOGY, INC., to administer the Local Technical Assistance Program (LTAP), statewide, Nevada. – *For possible action*

Agreement No.:	109-23-803	Amendment No.:	00
Contractor:	Applied Pavement Technology, Inc.	Federal:	Yes
Original Amount:	\$1,680,000.00	Total of Prior Amendments:	\$0.00
Amendment Amount:	\$0.00	Agreement Type:	Service Provider
Payable Amount:	\$1,680,000.00	Receivable Amount:	\$0.00
Start Date:	9/11/2023	End Date:	9/30/2027
Division:	Research	Division Head:	Sondra Rosenberg

Summary:

Applied Pavement Technology, Inc., is responsible for administering the Local Technical Assistance Program (LTAP) by delivering highway training, curricula, and technical assistance to provide local agencies with tools to maintain employee safety, build capacity, and innovatively address their roadways, statewide, Nevada. NV B/L# NVF20001200517-R Proposers: Applied Pavement Technology, Inc., and the University of Nevada, Las Vegas (UNLV) Transportation Research Center (TRC), along with the Office of Continuing Education (CE)

List of Attachment(s):

- A. Negotiation Summary
- B. Scope of Services

Recommendation for Board Action:

Approve Agreement 109-23-803, with APPLIED PAVEMENT TECHNOLOGY, INC., to administer the Local Technical Assistance Program (LTAP) in the amount of \$1,680,000.00.

Prepared by:

Administrative Services Division




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

MEMORANDUM

August 2, 2023

TO: Sondra Rosenberg, Assistant Director

FROM: Ken Chambers, Project Manager 

SUBJECT: Negotiation Summary for RFP 109-23-803 Administrator for the Local Technical Assistance Program - LTAP

A negotiation meeting was held on July 12, 2023, with Carrie Brown, David Peshkin, Kurt Smith, from Applied Pavement Technology, Inc. (APTech), and Ken Chambers, Lucy Koury, and Melissa DeMattei of the Nevada Department of Transportation (DEPARTMENT) in attendance.

The duration of this agreement will be for four (4) years, ending on September 30, 2027.

The budgeted amount of this Agreement is comprised of 50% Federal / 50% State Funding. LTAP has a set budget of \$420,000.00 per fiscal year. This yearly limit does not vary, and only the funds invoiced are paid. As such, the total cost of this agreement will not exceed \$1,680,000.00.

The Scope of Services, which includes delivering highway training, curricula, and technical assistance to provide local agencies with tools to maintain employee safety, build capacity, and innovatively address their roadway network, was reaffirmed by both parties at the outset.

Key personnel dedicated to this project are as follows:

Name	Title	Estimated No. of Hours
Carrie Brown	Project Manager	4,000
Jeremy Birkey	Project Coordinator	2,000
Dave Peshkin	Principal	60
Various	Technical Advisors, Trainers, Coordinators, and Support	8,000
Total Hours:		14,060


The negotiations yielded the following:

1. The total projected man-hours allocated for this project is 14,060.
2. The total cost for this Agreement is \$1,680,000.00.

SERVICE PROVIDER's Transportation Board representative:

- Carrie Brown
- cbrown@appliedpavement.com
- (775) 432-4438

Reviewed and Approved:

DocuSigned by:

08/07/2023
Assistant Director

Attachment A Scope of Services

Successful administration of LTAP requires a SERVICE PROVIDER who is well organized yet flexible, with the ability to multi-task, meet deadlines, work as part of a team, be proactive, self-starting, and detail oriented with significant problem-solving skills and experience. Interpersonal skills, including the ability to effectively communicate with all levels of personnel and management, is important. Strong networking skills and/or being part of a network will aid greatly with this work.

The SERVICE PROVIDER shall make available all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and ancillary business services or training personnel necessary to perform this work and must be capable of handling the administrative and financial responsibilities required in this project. Nevada System of Higher Education proposers will comply with the Governor's Finance Office All Agency Memo - 2017 - 12 dated August 28, 2017, included as Attachment A.1 at the end of the Scope of Services. Funding is split fifty percent (50%) federal and fifty percent (50%) state.

The goal of this program is to ensure local agencies managing a transportation program receive and apply capacity building assistance in highway related topics and apply new highway innovations in their programs.

The duration of the resulting agreement is a set four (4)-year period that will start on October 1, 2023, and end on September 30, 2027.

This project is budgeted for Four Hundred Twenty Thousand and No/100 Dollars (\$420,000.00) per federal fiscal year (FFY), with an agreement total of One Million Six Hundred Eighty Thousand and No/100 Dollars (1,680,000.00). It is anticipated and encouraged that the SERVICE PROVIDER seeks additional funding from local entities as necessary and appropriate.

Note about funding: work performed on this project must be tracked and invoiced separately from work performed and paid for by other funding sources.

The successful SERVICE PROVIDER will provide the following:

Operation and Management of an LTAP Center

The SERVICE PROVIDER will locate, operate, and maintain a physical LTAP Center facility. It is anticipated that the LTAP Center will be a hub for administering LTAP, and from which overall management and controls will be run. This management includes, but is not limited to, all work necessary to manage production efforts of the LTAP Center, coordinate with the DEPARTMENT, provide a transition for program continuity and reporting from the existing LTAP agreement-holder, and monitor progress.

Throughout the project, the SERVICE PROVIDER is required to submit quarterly reports inclusive of all LTAP Center activities and host on-site meetings as requested by the DEPARTMENT to assure adequate oversight and monitoring of activities.

Additional responsibilities include, but are not limited to, the following:

- Ensure the Annual Work Plan demonstrates that training sessions are a major component of the program.
- Evaluate program effectiveness, including but not limited to the submission of annual Program Assessment Report (PAR) and Center Activity Report (CAR), report semiannually strides local agencies have made with benefits realized, and the challenges that have occurred while deploying innovations, perform gap analysis, etc.
- Complete biennial baseline analysis of available training and distribute the list of courses via the FHWA external SharePoint site.
- Incorporate new innovative technologies and practices into the curriculum (Every Day Counts, Strategir. Highway Research Program, etc.), and documenting such.

- Coordinate with the DEPARTMENT to maintain an advisory committee to identify, coordinate, and prioritize the technical assistance needs of local transportation partners.
- Maintain the Nevada LTAP Road Scholar certification system.
- Maintain a database of all program students, participants, stakeholders, and potential customers.
- Establish a communication plan to relay information to and gather needs from local agencies.
- Develop and maintain an LTAP Center website.
- Publish a quarterly newsletter.
- Identify and develop transportation competencies and identify resources available to meet needs.
- Comply with all state and local laws and regulations.

The goal of the SERVICE PROVIDER through the LTAP Center is to deliver training and technical assistance, with less focus on developing new materials.

Agreement Deliverables

1} **LTAP Center:** SERVICE PROVIDER must maintain a physical fully functional LTAP Center capable of handling services required in this project.

2} **Annual Work Plan:** To maintain operational and fiscal goals, the SERVICE PROVIDER shall develop an Annual Work Plan. The work plan shall establish how the LTAP Center will work toward achieving established goals, including a training plan, activity milestones, and resource allocation estimates. The work plan will include a schedule for proposed training and technical assistance and should include recipients and methods of delivery.

The LTAP Center's training and direct technical assistance should constitute no less than one hundred sixty (160) hours per month in the Annual Work Plan. To ensure a balance of training and technology transfer, the LTAP Center's participation (non-training role) and support of conferences, symposiums, workshops, and the like shall not exceed fifteen percent (15%) of the SERVICE PROVIDER's activities in the Annual Work Plan, unless approved by the DEPARTMENT'S Project Manager. This is inclusive of representing Nevada at LTAP Conferences and business meetings. All conferences (host/attendee) should be included in the Annual Work Plan. All conferences, symposiums, workshops, and the like that are hosted or co-sponsored by the LTAP Center will need to be approved in advance by the DEPARTMENT'S Project Manager.

The SERVICE PROVIDER is required to sponsor the travel of one (1) DEPARTMENT representative to attend the below National Local and Tribal Technical Assistance Program Association events annually for each year of the agreement:

- Annual Conference
- Winter Business Meeting
- Western Region Meeting

Technical assistance for this project is described as the process of providing targeted support, based on need, to local agencies. This includes providing skills training and transportation-related working knowledge to an organization with a development need or problem.

1} **Quarterly Progress Reports:** The SERVICE PROVIDER shall submit progress reports to the DEPARTMENT'S Project Manager. These reports shall be submitted within fifteen (15) calendar days from the end of each quarter. The reports shall be in a format as directed by the DEPARTMENT'S Project Manager and, at a minimum, include the following items:

- a. A clear account of the work performed under each task during the reporting period including:
 1. Training delivered (to include, but not limited to, attendees and their agency/affiliation);
 2. Training hosted;
 3. Any joint training conducted;
 4. Conferences attended or hosted;
 5. Technical assistance provided; and
 6. Any "success stories."

- b. An outline of the work to be accomplished under each task during the next reporting period;
- c. A description of any problem encountered or anticipated that will affect the completion of any work within the timeframe set, together with recommended solutions to such problems; or a statement that no problems were encountered;
- d. Quarterly progress reports will include the names of classes taught for the previous quarter, the time spent preparing for classes, the time delivering classes, number of attendees (including affiliate), and any eligible costs associated with the delivery. Any time there is a deviation from the anticipated production, i.e., between classes planned and classes taught, an explanation will need to be submitted with the quarterly report; and
- e. Training evaluation surveys for both online and in-person training will be completed by course participants (after each course), with summarized metrics, and summaries will be provided quarterly.

!} **Blended Learning:** The SERVICE PROVIDER should employ a blended learning strategy as approved by the advisory committee. Instructor delivered curriculum incorporates lectures, job aids, simulations, skill practice, case studies, and action planning, all of which must be provided on a statewide basis. The use of live and on-demand webcasts, in person, and interactive video training should be explored when appropriate to increase the effectiveness of delivering the curriculum. Develop and identify subject matter experts as trainers, review training materials, and employ best practices associated with adult learning principles. The use of simulation and part task training present an opportunity to train in ways that enable more rapid acquisition of proficiency among learners. The SERVICE PROVIDER will have the ultimate responsibility to facilitate registration for all courses and ensure the use of creative and emerging methods to deploy training programs.

fil **Tools:** The SERVICE PROVIDER will collect a variety of technical assistance tools/resource kits to help local agencies deliver their transportation program. These tools include on-demand training courses, guidance documents, sample policies, standard specifications and plans, training materials, and example templates. All tools and materials will be stored and distributed by the SERVICE PROVIDER as needed or requested.

fil **Technical Assistance:** Technical Assistance is the process of providing targeted support to a local agency with a specific development need or problem. It is commonly referred to as coaching and frequently occurs one-on-one between the LTAP Center and the requesting local agency. Technical assistance may be delivered in many different ways, such as one-on-one consultation, conferences, small group facilitation, web-based interaction, or however proves most beneficial for the local agency.

Technical Assistance will be identified and provided directly and indirectly. Direct Technical Assistance will be required to address complex issues through the collection of greater amounts of materials or coaching services that personally apply expertise to the local agency's problem or area of need. This can be done on-site at the location of the local agency or offsite via telephone, email, or virtually. Indirect Technical Assistance points the local agency to an external source such as a manual, web-based resource, or staff member of another organization. This service can be provided in multiple formats such as phone calls, written correspondence, an interactive website portal, information resources, etc.

Direct Technical Assistance will be included in the quarterly report, as well as any unresolved needs.

II **Website:** In addition to training and technical assistance, the SERVICE PROVIDER will be responsible for maintaining an online presence. The visually appealing website will host content for delivery that is useful to the desired end-users, including, but not limited to, email newsletter, social media, infographics, leave-behinds, discussion forums, case studies promoting promising practices, and support the use of e-training modules. The website will feature information from the DEPARTMENT and FHWA focus areas; provide a calendar of events including training, announcements, description, and contact information for the LTAP Center and staff; and various

transportation resources to make the site useful to local agencies. The SERVICE PROVIDER will develop processes to support the development of the site and content needed. The website will be launched within sixty (60) calendar days of agreement execution with continuous updating and improvement throughout the term of the agreement.

- Design should be light, visually stimulating, and inviting to navigate.
- User interface should present comprehensive information in a readily accessible, searchable format.
- Content management should facilitate frequent updates of events and cross postings.
- Homepage should generate traffic, better reaching the local agency audiences.
- Website must be safe and secure using HTTPS and a hardened CMS.
- Website should work well on mobile devices and tablets using best practices of responsive design.
- Website should comply with accessibility standards and best practices to ensure compliance with Section 508 of the Rehabilitation Act of 1973.

8) Contact List: The SERVICE PROVIDER will keep a current list of key transportation contacts for all local agencies.

9) Newsletter: Publish a quarterly newsletter. Newsletter should contain content such as program updates, program highlights, articles on successful program implementation or use of new innovations, upcoming events, frequently asked questions, event recaps, new tools, etc. The newsletter will be disseminated to the program stakeholders electronically or by mail, as needed. This newsletter should be made available on the website.

10) Coordination: In an effort to provide comprehensive services to local agencies, the SERVICE PROVIDER will need to coordinate with the DEPARTMENT, FHWA, National Highway Institute (NHI), Transportation Curriculum Coordination Council (TC3), National Local Technical Assistance Program Association (NLTAPA), American Public Works Association (APWA), state and local governments, other LTAP Centers, academia, and industry organizations. The SERVICE PROVIDER is relied upon to serve as liaison with local agencies statewide for logistics of training events, workshops, addressing training and technology transfer needs, etc., for the purpose of outreach.

11) Agreement Management: The SERVICE PROVIDER will manage overall project controls for the duration of the agreement. This includes, but is not limited to, all work necessary to manage production efforts, coordinate with the DEPARTMENT, monitor progress, adhere to agreement clauses, and fulfill all aspects of this Scope of Services.

12) Monitoring and Assessment: The SERVICE PROVIDER will be responsible for assessing quarterly performance, managing program resources to provide effective use of program dollars, and submission of annual program performance reports. Performance will be assessed against annual program performance metrics developed and provided by FHWA.



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 14: Amendment 02, Agreement 483-19-050, with EST COMPANIES, LLC, for continued preventative maintenance and repair services for the Department’s Automatic Paving Equipment Cleaning System, Fallon and Tonopah, Nevada. – *For possible action*

Agreement No.:	483-19-050	Amendment No.:	02
Contractor:	EST Companies, LLC	Federal:	No
Original Amount:	\$240,000.00	Total of Prior Amendments:	\$0.00
Amendment Amount:	\$200,000.00	Agreement Type:	Service Provider
Payable Amount:	\$440,000.00	Receivable Amount:	\$0.00
Start Date:	9/11/2023	End Date:	12/31/2025
Division:	Maintenance and Asset Management	Division Head:	Anita Bush

Summary:

Amendment 02: Increase authority by \$200,000.00 from \$240,000.00 to \$440,000.00 and extend termination date from December 31, 2023, to December 31, 2025, due to the continued need for preventative maintenance and repair services for the Department’s Automatic Paving Equipment Cleaning System located in Fallon and Tonopah.

Background:

Amendment 01: Extend termination date from December 31, 2021, to December 31, 2023, for continued preventative maintenance and repair services for the Department’s Automatic Paving Equipment Cleaning System located in Fallon and Tonopah.

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

Page 2 of 2

Original Agreement: Executed November 18, 2019, to provide preventative maintenance and repair services for the Department's Automatic Paving Equipment Cleaning System in Fallon and Tonopah. NV B/L#: NVF20191640693-S

List of Attachment(s):

- A. Negotiation Summary
- B. Scope of Services

Recommendation for Board Action:

Approve Amendment 02, Agreement 483-19-050, with EST COMPANIES, LLC, for continued preventative maintenance and repair services for the Department's Automatic Paving Equipment Cleaning System in the amount of \$200,000.00.

Prepared by:

Administrative Services Division



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

MEMORANDUM

August 10, 2023

TO: Jenica Keller, Assistant Director

FROM: Dante Sanguineti, Project Manager

SUBJECT: Negotiation Summary for Amendment 2 to Agreement P483-19-050

DS


On 11/18/2019, NDOT entered into agreement P483-19-050 with EST Companies, LLC to perform preventative maintenance and repair services for NDOT's Automatic Paving Equipment Cleaning System (APECS) Asphalt Cleaning Wash Rack Stations located in Fallon and Tonopah.

The Scope of Services includes:

1. Preventative Maintenance - will be conducted on each station during the startup in April winter weather. The SERVICE PROVIDER will be responsible for the preventative systems, air compressors, filtration systems, control systems, evaporator, APECS, and all and winterization in November or sooner based on the Department's scheduling and maintenance of the systems' hot water pressure washers, pumping systems, foam other related components.
2. On-call maintenance – is preventative maintenance on an on-call basis.
3. Repair Services - The emergency service repair is intended to troubleshoot the system to determine repair parts required to return the unit to operation.

Due to the need for continued services, the Scope of Services must be increased to include additional funding and extend the expiration date.

To accommodate this increase of scope, the total amount of the agreement must be increased by \$200,000.00.

This amendment adds 2 years to the agreement for a new end date of 12/31/2025.

The negotiations yielded the following:

1. There will be a total of 160 additional man-hours allotted to this agreement. However, man hours will be increased upon need for mechanic/maintenance services as this is an on-call agreement.
2. The total negotiated cost for this Amendment, including direct labor, overhead, fee and direct expenses will be \$200,000.00. The new total cost of this Agreement will be \$440,000.00.

SERVICE PROVIDER's Transportation Board representative(s):

- Travis Yancey
- Travis.Yancey@estcos.com
- 602-856-1846

Reviewed and Approved:

DocuSigned by:
Jenica Keller
D4A618F26D8B447...

Assistant Director

ATTACHMENT A

Scope of Services

Background

The DEPARTMENT has the need for preventative maintenance, repair services, and support for the Automatic Paving Equipment Cleaning System (APECS) Asphalt Cleaning Wash Rack Stations located in Fallon and Tonopah. The system is used for cleaning asphalt paving equipments used by the Department. Equipment cleaning is critical to equipment maintenance.

The APECS Asphalt Cleaning Wash Rack includes:

- a. RTS 3000 Filtration System
- b. APECS Spray and Filtration System
- c. Evaporator
- d. Steam Generator
- e. 3000 psi Pressure Washer
- f. Water Cannon
- g. Wash Rack with Solids Removal Conveyors
- h. Foaming Brush
- i. Chemical Application Gun

SCOPE OF WORK

The SERVICE PROVIDER will be responsible for the following:

- 1) Preventative Maintenance - will be conducted on each station during the startup in April and winterization in November or sooner based on the Department's scheduling and winter weather. The SERVICE PROVIDER will be responsible for the preventative maintenance of the systems' hot water pressure washers, pumping systems, foam systems, air compressors, filtration systems, control systems, evaporator, APECS, and all other related components.
- 2) On-call maintenance – is preventative maintenance on an on-call basis. Each wash station will contact the SERVICE PROVIDER for this service as needed. Each on-call maintenance requested by the DEPARTMENT requires 72-hour response time from the SERVICE PROVIDER. On-call maintenance must be made on a schedule that supports the operation of the system with an emphasis on keeping the systems functioning between the startup and winterization.
- 3) Repair Services - The SERVICE PROVIDER must be able to provide year-round repair services Monday through Friday between 6:00 AM to 5:00 PM with no more than forty-eight (48) hour notice. Each emergency service call for repair services requires a 48-hour response time and include up to 6 hours on site and \$150 of minor repair parts. The emergency service repair is intended to troubleshoot the system to determine repair parts required to return the unit to operation.

All materials and minor replacement parts required to accomplish the preventative and on-call maintenance are to be supplied by the SERVICE PROVIDER at no additional cost to the DEPARTMENT. This includes, but is not limited to; filtration system filters, pressure washer pump rebuild kits, spray guns / wands, high pressure hoses, high pressure wands, other hoses, pump oil, burner filters, nozzles, compressor oil, belts, small fittings, touch up paint, and miscellaneous stainless fasteners. See Attachment B for Pricing Schedule.

Also, preventative and on-call maintenance do not include filtration chemicals, soaps, media, pumps, or other items with an individual value of \$100 or greater. These items will be purchased by the DEPARTMENT on as needed basis per the line items identified in Attachment B. Additional repairs and parts outside of preventative and on-call maintenance scope of work will be billed per labor and materials plus (+) 20% markup.

Certified Operator Training

The SERVICE PROVIDER shall provide training by a certified EST Company LLC. The training shall be able to accommodate five employees and be one full day. This training shall include instruction in the startup/shut down of the system as well as safe operating practices. Training shall be given to NDOT employees on as needed basis.

Chemicals

The SERVICE PROVIDER is required to submit certification of compliance upon delivery of chemicals/solvents. The flashpoint of any chemicals/solvents delivered shall be greater than 140 degrees Fahrenheit.

The chemicals to be used are the following:

- 55-gallon drums of solvent compatible with the APECS spray and filtration system.
- 55-gallon drums of degreaser/QSS II compatible with the RTS 3000 filtration system, foaming system and pressure washer.
- 5-gallon pails of defoamer compatible with the RTS 3000 filtration system, foaming system and pressure washer.

Removal of Old Solvent and Oily Waste

The SERVICE PROVIDER shall provide storage drums for the disposal of used solvent, oily waste, sludge and liquids from the filtration and evaporator system. Storage drums for waste materials shall be free of leaks and seal tightly for safety storage. There will be three (3) disposal hauls per year for waste material per site.

Sampling and Testing

The SERVICE PROVIDER shall conduct at least one (1) sample for each waste stream per site and notify NDOT Environmental Services fourteen (14) workdays before the sampling and testing process.

Contact Person:
Robert Piekarz
1263 S. Stewart St.
Carson City, NV 89701
(775) 888-7692
rpiekarz@dot.nv.gov

The preventative maintenance tasks to be performed include the following:
(See Attachment C for Checklist)

- The SERVICE PROVIDER will troubleshoot and come up with solutions for any issues being caused to the distributor trucks as a result of the washing cycle.

- Inspect the system for proper operation and identify any repairs required.
- SERVICE PROVIDER will make minor repairs such as stopping leaks, replacing small fittings or other hardware, replacing worn out hoses, replacing belts, rebuilding pressure washer spray wands, rebuilding pressure washer pumps, providing and replacing all filtration system filters, replacement of burner filters, changing pump oil, maintenance of wash rack, conveyor system, touch up painting to prevent corrosion, and general housekeeping.
- Record meter readings and maintain comprehensive maintenance records. Contractor will develop and provide maintenance reports for each system that follows the manufactures recommended maintenance schedule and any additional maintenance the system may require based on use.
- Maintain all hose reels.
- Maintain APECS system, nozzles, hoses and filters.
- Check PLC systems and make adjustments to programs as needed to optimize operation of the systems.
- Analyze system performance using maintenance records and observations to identify performance degradation trends and recommend appropriate corrective action.
- Check the oil level in all high-pressure pumps and, add oil as necessary to maintain the proper level. Change the oil yearly.
- Follow and perform maintenance schedule for evaporator.
- Ensure that the high-pressure wand, steamer and foaming system operate properly and are leak free.
- Rebuild or replace wands and guns as required to ensure proper operation.
- Check and adjust balanced relief valves, soap injectors, hydro minders, rinse solenoids, and wash solenoids.
- Check and adjust all associated components.
- Check proper operation of air compressor.
- Operate entire system and check condition (troubleshoot and repair issues are necessary).
- Replace Lightbulbs as needed.
- Check operation of heat, ventilation and exhaust / intake fans.
- Check and troubleshoot all other system components not specifically listed.
- Perform maintenance and repairs of canopy, walls, and bracing.

- Provide a field report and recommendations to the point of contact (POC), including a written estimate for any recommended repairs outside the scope of the preventative maintenance (PM) contract. Preventative Maintenance (PM) reports must include all minor repairs completed, all parts replaced, and an inventory of any onsite spare parts.

EXTRA REPAIRS & LABOR

Any repair or replacement parts needed that fall outside the scope of the preventative maintenance (PM) will require the SERVICE PROVIDER to provide the point of contact (POC) a written quote to include a breakdown of the parts (including description and part numbers), materials, labor, and taxes listed separately. All repairs outside the scope of the preventative maintenance (PM) must be approved by the point of contact (POC).

SERVICE PROVIDER'S RESPONSIBILITY

The SERVICE PROVIDER shall be responsible for the following:

- All work shall be in compliance with all current applicable City, County, State, and National building codes. The work area is to be maintained in compliance with all health and safety requirements applicable to OSHA standards.
- Careful examination of the job site(s) conditions to be encountered in performing the work.
- Preparation of a written schedule including dates and times, prior to the performance of the work and notifying the point of contact (POC) one (1) day in advance of scheduled service calls.
- Returning work area to original condition at completion of work.
- Removal of all trash and debris created by the work. No materials may be disposed of onsite – the SERVICE PROVIDER is responsible for proper disposal of all waste materials in compliance with all applicable regulatory requirements.
- The SERVICE PROVIDER shall maintain sufficient supplies all parts and materials required to complete the PM in a timely fashion.
- Items furnished hereunder shall conform to the requirements of this contract and shall be free from defects in design materials and workmanship. Parts are to be from the original equipment manufacturer or equivalent approved by the point of contact (POC). The SERVICE PROVIDER must maintain sufficient supplies of common repair items so as to facilitate minor repairs of equipment during a routine scheduled service call. Should the SERVICE PROVIDER fail to maintain the required part or rebuild kit on his service truck, there will be no additional charge to the Department for a special trip to make minor repairs required under this contract. It is not acceptable to put off replacement of a part until the next scheduled visit if doing so renders the system inoperative or poses any risk of injury or equipment damage.
- Use of subcontractors for this project will require advance written approval from the Department. The SERVICE PROVIDER shall clearly list any proposed subcontractors and the subcontractor's proposed responsibilities on the quote. The subcontract shall incorporate by reference the terms and conditions of this Contract.

PAYMENT

The SERVICE PROVIDER will be paid by the following:

Description	Unit
• Preventative Maintenance startup and winterization	per visit
• On-Call Maintenance	per visit
• Training	per visit
• APECS Solvent (55-gallon drum)	per drum
• QSSII Degreaser (55-gallon drum)	per drum
• Defoam (5-gallon pail)	per pail
• Disposal of 55-gallon drum of solvent and /or oily waste and/or sludge with sampling.	per drum
• Disposal of 55-gallon drum of solvent and /or oily waste and/or sludge.	per drum
• Time (includes labor, markup, over time pay, all equipment needed for repair, technician's truck, and taxes)	per hour
• Materials (cost + 20% markup)	each



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

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors
FROM: Tracy Larkin Thomason, P.E., Director
SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting
ITEM # 15: Amendment 03, Agreement 128-21-802, with PARAMETRIX, INC., for continued development of the Nevada State Freight Plan, statewide, Nevada. – *For possible action*

Agreement No.:	128-21-802	Amendment No.:	03
Contractor:	Parametrix, Inc.	Federal:	Yes
Original Amount:	\$500,000.00	Total of Prior Amendments:	\$501,288.00
Amendment Amount:	\$415,374.01	Agreement Type:	Service Provider
Payable Amount:	\$1,416,662.01	Receivable Amount:	\$0.00
Start Date:	9/11/2023	End Date:	12/31/2025
Division:	Transportation and Multimodal Planning	Division Head:	Kevin Verre

Summary:

Amendment 03: Increase authority by \$415,374.01 from \$1,001,288.00 to \$1,416,662.01 and extend termination date from September 30, 2024, to December 31, 2025, to accommodate the increase of scope. The additional scope will help integrate the freight and rail programs, conduct scenario planning and support for the freight investment plan, improve the Freight Advisory Committee (FAC), and renew the FAC Charter.

Background:

Amendment 02: Increase authority by \$250,000.00 from \$751,288.00 to \$1,001,288.00 to accommodate the increase of scope due to the Federal Highway Administration (FHWA) requirements to have an Interim Freight Plan.

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

Page 2 of 2

Amendment 01: Increase authority by \$251,288.00 from \$500,000.00 to \$751,288.00 to accommodate the increase of scope as required by the passage of the Bipartisan Infrastructure Law.

Original Agreement: Executed September 13, 2021, for the development of a sustainable freight and constrained investment plan, aligned with the One Nevada prioritization process to enhance freight mobility service with integrated economic development strategies and projects in order to satisfy Federal Highway Administration (FHWA) requirements of updating the five (5)-year freight plan, statewide. NV B/L#: NVF20111241070-R

List of Attachment(s):

- A. Negotiation Summary
- B. Scope of Services

Recommendation for Board Action:

Approve Amendment 03, Agreement 128-21-802, with PARAMETRIX, INC., for continued development of the Nevada State Freight Plan in the amount of \$415,374.01.

Prepared by:

Administrative Services Division



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

MEMORANDUM

July 31, 2023

TO: Sondra Rosenberg, Assistant Director
FROM: Tim Mueller, Project Manager
SUBJECT: Negotiation Summary for Amendment 3 to Agreement P128-21-802

On September 13, 2021, NDOT entered into agreement P128-21-802 with Parametrix, Inc. to perform an update to the Federally required Nevada Freight Plan.

The Scope of Services included updating the Federally required Nevada Freight Plan. Elements of the scope included stakeholder outreach, supply chains and trends analysis, freight plan strategies and publishing the final document.

Due to the continued demands placed on the state transportation network and increase in freight traffic, the Scope of Services must be increased to include Freight Advisory Committee (FAC) coordination and support, freight investment plan scenario planning and coordination, freight-rail program integration, updating the NDOT freight story map (meant to help easily communicate key components of the freight program and truck parking locations) and conduct a freight planning workshop.

To accommodate this increase of scope, the total amount of the agreement must be increased by \$415,374.01.

This amendment adds fifteen months to the agreement for a new end date of December 31, 2025.

The negotiations yielded the following:

1. There will be an additional 1,731 total man-hours allotted to this agreement.
2. The total negotiated cost for this Amendment, including direct labor, overhead, fee and direct expenses will be \$415,374.01. The new total cost of this Agreement will be \$1,416,662.01.
3. The amendment will extend the time for the completion of tasks to December 31, 2025.
4. One additional FAC meeting has been added to increase the number of supported FAC meetings from five to six.

SERVICE PROVIDER's Transportation Board representative:

- Jeff Hale, P.E.
- JHale@parametrix.com
- (775) 445-0879

Reviewed and Approved:

DocuSigned by:


 895F72355AF94F2...

Nevada Freight Plan Update 2022

Amendment 3 Scope of Work

Additional Freight Program Support

Nevada Department of Transportation

TASK 12 – FREIGHT PROGRAM SUPPORT

Subtask 1 - Project Management

Continue with project management activities for the duration of the contract time extension through December 31, 2025). Parametrix has the ultimate responsibility for overall project management, scheduling, and monthly progress reports and invoicing to NDOT. The team's subconsultant, CPCS Transcom will report to Parametrix monthly progress on their deliverables, work products, budget, schedule, and other items that need to be reported to NDOT.

1.1 Monthly Progress Meetings

The Parametrix team will also coordinate and lead monthly progress meetings with NDOT and the consultant team members to report on the progress of the study, discuss upcoming milestones and deliverables, provide schedule updates, address any issues, and identify action items. These meetings will be held via conference call.

1.2 Monthly Progress Reports, Schedule Updates, Invoices

A monthly progress report will be prepared by Parametrix and submitted to the NDOT Project Manager summarizing key activities and deliverables performed or submitted that month, along with budget and schedule updates, and work/tasks planned for the next month. Invoices will be submitted monthly in conjunction with the progress report.

Subtask 1 Deliverables

- Hold Monthly Coordination Meetings
- Monthly Progress Reports and Invoices

Subtask 2 - FAC Coordination / Support

2.1 FAC Organization Best Practices Research

Parametrix team will review FAC documentation and conduct interviews with neighbouring State DOTs from Utah, California, Arizona, Colorado, Washington and Oregon to document current practices regarding the organization of their FACs, number of members, frequency of meetings, organizational structure/membership (private vs. public or both), formal by-laws and/or informal charters, and overall assess how the States administer and engage with their

respective FACs and the nature of the FAC's involvement in their various freight planning efforts. The team will identify practices that may be beneficial for implementation by NDOT.

2.2 FAC Meeting Participation (5)

Parametrix team will support NDOT Freight Program Manager in engaging with and facilitating of up to five (5) additional Freight Advisory Committee meetings to solicit input and build consensus on the FAC organization/structure and overall freight program needs.

Subtask 2 Deliverable

- Working Paper: FAC Organization/Structure Best Practices Review
- Participate in and Support up to Six (6) FAC Meetings

Subtask 3 - Freight Investment Plan Coordination / Support

3.1 NDOT Coordination / Support (Project Readiness/STIP/ONTP)

Parametrix team members support NDOT in integrating the Freight Program into the Department-wide project evaluation, prioritization, development, and delivery process. Parametrix will participate in coordination meetings with NDOT's Project Readiness group, STIP coordinator/administrator, NDOT's Planning Division and One Nevada teams to gather high-priority freight needs/project.

3.2 Update Freight Projects List

From the results of Task 3.1, Parametrix will gather and incorporate ongoing freight-related projects into the Freight Investment Plan and facilitate the needs necessary for prioritizing high-priority freight needs/project in concert with the One Nevada prioritization process.

Subtask 3 Deliverables

- Participate in various coordination meetings described in 3.1
- Update freight investment plan incorporating ongoing work by the Department

Subtask 4 - Freight-Rail Program Integration

4.1 Research / NDOT Rail Plan Review / Best Practices

This task will support NDOT in better integrating statewide rail and freight planning initiatives. Parametrix will review NDOT's State Rail Plan Update and identify the pertinent Freight-Rail information including strategies, policies and project recommendations to improve the Freight-Rail transportation system in Nevada. This information will be summarized in a readily usable fashion for NDOT to incorporate in its Freight Planning website.

In conjunction with Task 2.1, Parametrix team will also conduct interviews with up to five (5) State DOT's to document current practices regarding the each State's Freight-Rail program

administration and how it is currently incorporated into their overall freight planning division/section efforts.

4.2 Identify Organizational / Support Needs

Parametrix will summarize the results of Task 4.1 and suggest recommendation to NDOT as to incorporate and administer the State's Freight-Rail Program needs.

Subtask 4 Deliverables

- Working Paper: Recommendations for Freight-Rail program administration and incorporation into the overall NDOT Freight Planning section.

Subtask 5 - Freight StoryMap Update

Following the results of Task 4.1, Parametrix will update the Freight Planning StoryMap with a tab dedicated to Freight-Rail strategies, policies and project recommendations.

Task 4 Deliverables

- Update the Freight StoryMap with Freight-Rail information.

Subtask 6 - Freight Planning Workshop

Parametrix team will hold a one-day in-person collaborative workshop for NDOT planning staff focussed on the following three (3) topical agenda items for managing the overall freight program at NDOT and deliver freight-related actions and meet critical timelines:

- Completing the implementation actions recommended in the Nevada Freight Plan. This will focus on how an individual freight project moves from concept into plan and then an actual project, prioritized in One Nevada and progress through environmental, design, construction and operations steps, including the role of the Freight Program in each step.
- Key recurring activities that are in the preview of the NDOT Freight Program, including actions needed to develop updates to the NSFP and actions needed to be conducted in between Nevada Freight Plan updates.
- Combined preliminary schedule for the recurring activities of the NDOT Freight Program with a preliminary schedule of one-time freight activities that are planned to occur. This effort will be focused on a comprehensive draft schedule that includes the timing of key freight activities to occur in Nevada in the short-, medium-, and long-term. It also represents a first step in estimating the resources needed to carry out the NDOT Freight Program.

Preliminary Schedule:

The current agreement (P128-21-802) expires on September 30, 2024. As requested by NDOT, Parametrix team will complete the tasks by December 31, 2025.

Preliminary Budget:

The work outlined in the above scope will be performed on a lump sum basis. The following table provides a summary budget breakdown by subtask for this projects.

Task 12 Subtasks	Freight-Rail Intergration Subtask Description	Estimated Budget (rounded)
1	Project Management	\$56,986.62
2	FAC Coordination / Support	\$71,413.03
3	Freight Investment Plan Coordination / Support	\$158,420.19
4	Freight-Rail Program Integration	\$45,033.10
5	Freight StoryMap Update	\$43,493.20
6	Freight Planning Workshop	\$39,527.87
Expenses:		\$500.00
Total		\$415,374.01



1263 South Stewart Street
Carson City, NV 89712
Phone: (775) 888-7929
Fax: (775) 888-7201

MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P.E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 16: ABD 22-10 – Resolution of Abandonment of a portion of land along US 95 at the Durango Drive Interchange, Clark County, Nevada – *For possible action*

Summary:

Resolution of Abandonment of the Nevada Department of Transportation's easement interest in a vacant, non-highway portion of property within the US Highway 95 and Durango Drive Interchange in the City of Las Vegas, Clark County. (*Attachment A*). The proposed abandonment is designated as Parcel U-095-CL-091.230 XS1 and consists of approximately 37,627 square feet (0.86 acres).

Background:

On June 22, 1990, the Department acquired a highway easement deed from the Bureau of Land Management (BLM) for this portion of vacant land, along with other property, for the construction of the northerly portion of the US Highway 95 in Las Vegas. There was no cost associated with the grant of this highway right-of-way. On July 12, 2022, Olympia Companies sent a letter to the Department requesting the abandonment of the Department's easement interest in this vacant, non-highway parcel.

Analysis:

On January 31, 2023, the Surplus Property Committee reviewed the abandonment request and considered all relevant factors, appropriate provisions of NRS 408, and current & future needs of the Department. It was concluded that said easement interest was in excess of Departmental needs.

The proposed easement interest has been cleared on any environmental concerns. (*Attachment C*).

The abandonment of the Department's easement interests in this segment of highway is being made in accordance with NRS 408.523, pertinent portions are below (*Attachment D*).

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.*

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

Page 2 of 2

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 Attachments:

- A. Location Map
- B. Resolution of Abandonment – *For reference only*
- C. Environmental Approval
- D. NRS 408.523

Recommendation for Board Action:

Approve the Resolution to Abandonment for Parcel U-095-CL-091.230 XS1.

Prepared by:

Craig Reynoldson, Chief Right-of-Way Agent

LOCATION MAP



ABD 22-10

DESCRIPTION: Disposal of one property near and around the US-95 & Durango interchange; T.19 S, R.60 E. Sec 17; City of Las Vegas, County of Clark, State of Nevada

300

Ptn. of APN: 125-17-301-013
Control Section: CL-17
Route:US-95
Project: QF-095-2(12)
E.A.: 71175
Ptn. of Parcel: U-095-CL-091.230
Ptn. of BLM App: N-46063
Surplus No.: ABD 22-10
Surplus Parcel: U-095-CL-091.230 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 US-95 extending from Highway to Highway Engineer's Station "XS" 292+78.09 P.O.T.; and

WHEREAS, said right-of-way is described as Parcel U-095-CL-091.230 XS1 on Exhibit "A", and delineated and identified on EXHIBITS "B" and "C", 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, said right-of-way is of no further contemplated use by the Department, due to that certain portion of US-95 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 described as Parcel U-095-CL-091.230 XS1 on Exhibit "A", and delineated and identified on EXHIBITS "B" and "C", attached hereto and made a part hereof, is hereby abandoned.

It is the intent of the Department of Transportation to abandon that portion of US-95, described as Parcel U-095-CL-091.230 XS1 on Exhibit "A", and delineated and identified on EXHIBITS "B" and "C", attached hereto and made a part hereof.

DATED this ____ day of _____, 20__.

APPROVED AS TO LEGALITY AND FORM:

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

Chief Deputy Attorney General

Joe Lombardo, 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: 125-17-301-013
Project: QF-095-2(12)
E.A.: 71175
Ptn. of BLM App.: N-46063
Ptn. of Parcel: U-095-CL-091.230
Parcel: U-095-CL-091.230 XS1

Situate, lying and being in the City of Las Vegas, County of Clark, State of Nevada, and more particularly described as a portion of Govt. Lot 11 within Section 17, T. 19 S., R. 60 E., M.D.M., further described as being a portion of PARCEL 3, shown and delineated on that certain PARCEL MAP No. 01414, filed for record in File 119, Page 0067 of Parcel Maps, Official Records Book No. 20140620, on June 20, 2014 in Official Records of Clark County, Nevada, and more fully described by metes and bounds as follows:

BEGINNING at a point on the left or westerly right-of-way line of US-95, 918.27 feet left of and at right angles to the centerline of said US-95 at Highway Engineer's Station "XS" 288+59.23 P.O.T.; said point of beginning further described as bearing S. 5°54'00" W., a distance of 1,028.75 feet from a 1 inch aluminum cap stamped "VTN PLS9047", accepted as the center quarter corner of said Section 17, shown and described as "FOUND 1.5" ALUMINUM CAP STAMPED PLS 9047" on said PARCEL MAP;

thence along the former westerly right-of-way line of said US-95 and the westerly boundary line of said PARCEL 3, N. 7°14'59" W., a distance of 480.70 feet to said westerly right-of-way line of US-95;

thence along said westerly right-of-way line, S. 42°25'24" E., a distance of 213.86 feet;

thence continuing along said right-of-way line, from a tangent which bears the last described course, curving to the right, with a radius of 70.00 feet, through an angle of 60°38'38", an arc distance of 74.09 feet:

thence continuing along said right-of-way line, S. 18°13'14" W., a distance of 300.37 feet to said westerly boundary line of PARCEL 3;

thence continuing along said right-of-way line and said boundary line, N. 7°14'59" W. a distance of 35.71 feet to the POINT OF BEGINNING.

Said parcel contains an area of 37,627 square feet (0.86 acres).

Said parcel shall have no access in and to US-95.

SUBJECT TO any and all existing utilities whether of record or not.

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: U-095-CL-

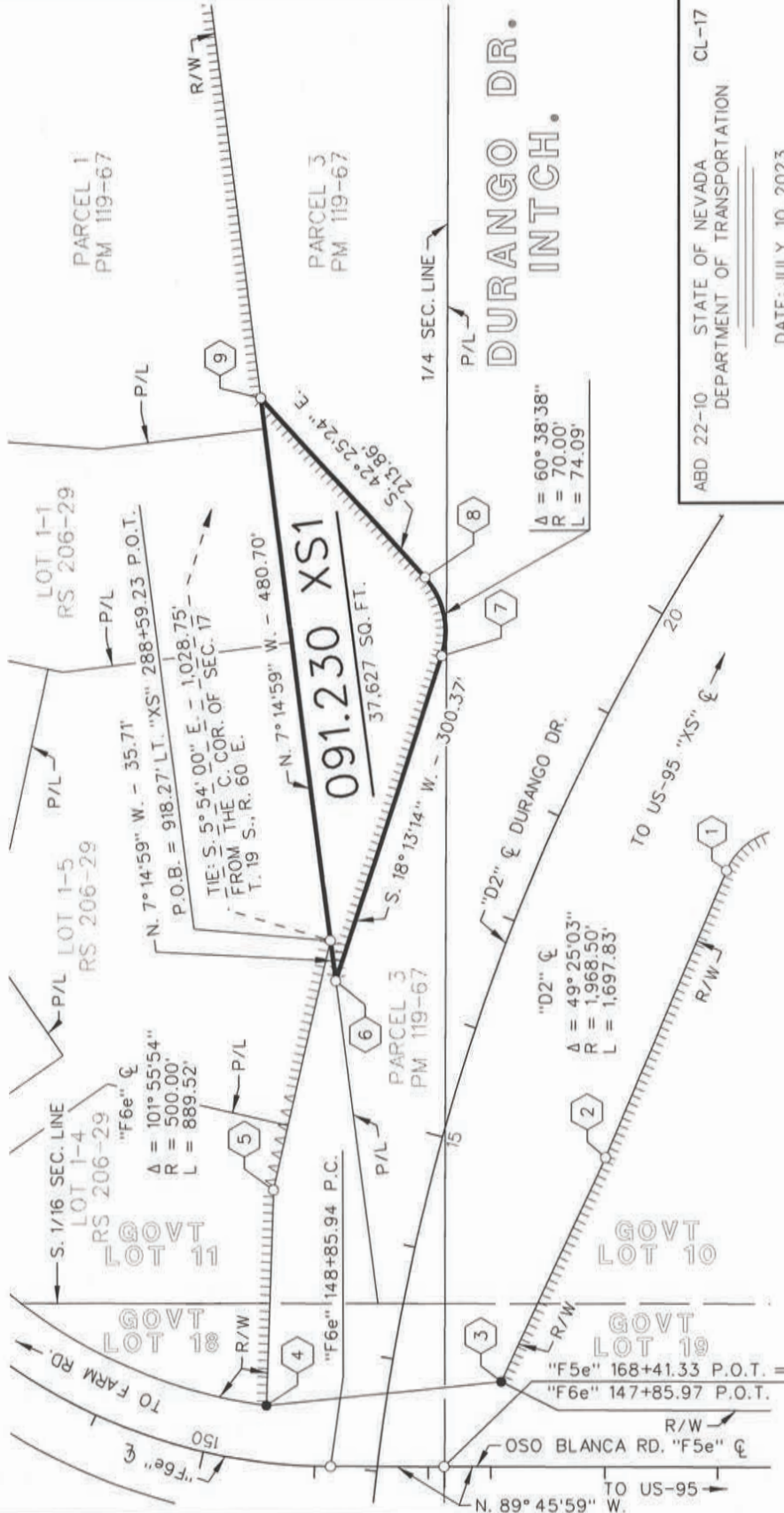
PROJECT: QF-095-2(12)
EA: 71175

SEC. 17
T. 19 S., R. 60 E.



CITY OF LAS VEGAS
COUNTY OF CLARK

SEE SHEET 2 FOR
ROW STATIONS



ABD 22-10 STATE OF NEVADA DEPARTMENT OF TRANSPORTATION CL-17

DATE: JULY 10, 2023

EXHIBIT "B"

APPROVED: *[Signature]*
MANAGER IN CHARGE SURVEY SERVICES

SCALE: 1" = 150'

SHEET 1 OF 2

TRACED	CJH
CHECKED	BMS
DATE OF LAST REVISION:	

MAP ID NO. 56555

AREA TO BE ABANDONED

CONTROL OF ACCESS WITH FENCE OR BARRIER

CONTROL OF ACCESS OPENING

PROJECT: QF-095-2(12)
EA: 71175

ROW OFFSETS

①	601.65' LT. "XS" 286+99.52 P.O.T. = 154.59' RT. "D2" 18+18.90 P.O.C.
②	838.33' LT. "XS" 285+61.85 P.O.T. = 142.74' RT. "D2" 15+22.71 P.O.C.
③	1,029.48' LT. "XS" 284+58.95 P.O.T. = 97.65' RT. "D2" 12+96.41 P.O.C.
④	1,208.01' LT. "XS" 285+66.04 P.O.T. = 103.72' LT. "D2" 12+43.59 P.O.C.
⑤	1,089.55' LT. "XS" 287+13.96 P.O.T. = 132.71' LT. "D2" 14+20.32 P.O.C.
⑥	935.80' LT. "XS" 288+28.11 P.O.T. = 130.22' LT. "D2" 15+99.88 P.O.C.
⑦	690.19' LT. "XS" 290+01.03 P.O.T. = 153.81' LT. "D2" 18+79.41 P.O.C.
⑧	660.85' LT. "XS" 290+65.33 P.O.T. = 198.88' LT. "D2" 19+29.39 P.O.C.
⑨	682.43' LT. "XS" 292+78.09 P.O.T. = 401.72' LT. "D2" 19+88.22 P.O.C.

MAP ID NO. 56555

NEVADA
dot

TRACED	CJH
CHECKED	BMS
DATE OF LAST REVISION:	

ABD 22-10 STATE OF NEVADA CL-17
DEPARTMENT OF TRANSPORTATION

DATE: JULY 10, 2023

EXHIBIT "C"

[Signature]
MANAGER II, P/W SURVEY SERVICES
SHEET 2 OF 2

APPROVED:



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

MEMORANDUM

Environmental Division

August 7, 2023

To: Craig Van Ortman, Staff Specialist
From: Christopher Young, Chief, Environmental Services Program *ccy*
Subject: Environmental Certification
Surplus No.: ABD 22-10
Project No.: QF-095-2(12)
PIN: 71175
Parcel Number: U-095-CL-091.230 XS1
Description: Portion of Parcel: U-095-CL-091.230; Disposal of one remnant parcel located in the northwest quadrant of the Durango Interchange, Sec. 17 – T. 19S. – R. 60E., City of Las Vegas, Clark County

The Environmental Division reviewed the requested action as presented in your memo dated July 10, 2023 and found it clear of any documented environmental concern for disposal. A Programmatic Categorical Exclusion (PCE) was completed on August 7, 2023 in accordance with the Programmatic Agreement completed between the Nevada Department of Transportation and the Federal Highway Administration, effective February 15, 2022.

EC: Project E-File



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

MEMORANDUM

Environmental Division

August 7, 2023

To: Project File
From: Christopher Young, Chief, Environmental Services Program
Subject: Programmatic Categorical Exclusion and Checklist
Surplus No.: ABD 22-10
Project No.: QF-095-2(12)
PIN: 71175
Parcel Number: U-095-CL-091.230 XS1
Description: Portion of Parcel: U-095-CL-091.230; Disposal of one remnant parcel located in the northwest quadrant of the Durango Interchange, Sec. 17 – T. 19S. – R. 60E., City of Las Vegas, Clark County

This action does not induce significant impacts to planned growth or land use for the area; does not require the relocation of significant numbers of people; does not have a significant impact on any natural, cultural, recreational, historic or other resources; does not involve significant air, noise, or water quality impacts; does not have significant impacts on travel patterns; or does not otherwise, either individually or cumulatively, have any significant environmental impacts.


This project qualifies as a Programmatic Categorical Exclusion (PCE) under the Programmatic Agreement (PA) completed between the Nevada Department of Transportation (NDOT) and the Federal Highway Administration (FHWA), effective February 15, 2022. Further approval by FHWA is not required. Information and documentation are preserved in the project administrative record.

Map in project E-file

Programmatic Categorical Exclusion Checklist 23 CFR 771.117		
Section I. THRESHOLD QUESTION		
Does the project involve unusual circumstances as described in 23 CFR §771.117(b)?		No
<i>If YES, FHWA shall be consulted. The project may not qualify as a Categorical Exclusion and environmental studies may be needed to determine the proper classification.</i>		
If NO, continue to Section II.		
Section II. PROGRAMMATIC CATEGORICAL EXCLUSION (PCE)		
The project action is listed in 23 CFR 771.117 (c)		N/A
The project action is listed in 23 CFR 771.117 (d)		6
The project action is listed in 23 CFR 771.117 (e)		N/A
Does the project contain actions described in paragraphs (c)(26), (c)(27), (c)(28) that meet paragraph (e) of this section? If yes, coordinate a FACE with FHWA.		No
Does the project exceed the thresholds outlined in the current Programmatic Agreement between the Federal Highway Administration (FHWA) and Nevada Department of Transportation?		No
Section III. CE PA THRESHOLD CRITERIA Section IV(A)(1)(b)		
i.	Involves acquisitions of more than a minor amount of right-of-way. Acquisition of right-of-way shall be examined in the context and intensity of the project and setting. It may be that amount right-of-way that may produce an adverse effect or other non-desirable result in comparison to the project.	No
ii.	Involves acquisitions that result in any residential or non-residential displacements.	No
iii.	Results in capacity expansion of a roadway by the addition of through lanes.	No
iv.	Involves the construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions as defined in the CE PA	No
v.	Involves changes in access control that adversely affect traffic patterns as defined in the CE PA.	No
vi.	Results in a determination of adverse effect on historic properties pursuant to Section 106 the National Historic Preservation Act.	No
vii.	Requires the use of properties protected by Section 4(f) of the Department of Transportation Act (49 U.S.C. 303) that cannot be documented with an FHWA <i>de minimis</i> determination, or a programmatic Section 4(f) evaluation other than the programmatic evaluation for the use of historic bridges.	No
viii.	Requires the acquisition of lands under the protection of Section 6(f) as described in the CE PA.	No
ix.	Requires a U.S. Army Corps of Engineers Section 404 permit other than a Nationwide Permit or a General Permit.	No

x.	Requires a U.S. Coast Guard bridge permit.	No
xi.	Requires work encroaching on a regulatory floodway or work affecting the base floodplain (100-year flood) elevations of a water course or lake, pursuant to Executive Order 11988 and 23 CFR §650 subpart A.	No
xii.	Requires construction in, across, or adjacent to a river designated as a component of, or proposed for inclusion in, the National System of Wild and Scenic Rivers published by the U.S. Department of the Interior/U.S. Department of Agriculture.	No
xiii.	Is defined as a "Type I project" per 23 CFR 772.5	No
xiv.	May adversely affect federally listed or candidate species, or proposed or designated critical habitat or projects with impacts subject to the conditions of the Bald and Golden Eagle Protection Act (Excluding Mojave desert tortoise which is addressed in the 2022 USFWS Programmatic Biological Opinion and its appended actions)	No
xv.	Involves properties with recognized environmental conditions (REC), previous land uses with potential for such, or potential for such to remain in the right-of-way.	No
xvi.	Has an adverse effect on minority and/or low-income populations.	No
xvii.	Includes acquisition of land for hardship or protective purposes, or early acquisition pursuant to Federal acquisition project [23 U.S.C. 108(d)]	No
xviii.	Does not conform to the State Implementation Plan (SIP) which is approved or promulgated by the U.S. Environmental Protection Agency in air quality non-attainment areas.	No
xix.	Is not included in or is inconsistent with the statewide transportation improvement program (STIP), and in applicable urbanized areas, the transportation improvement program (TIP)	No
<p>This project has been reviewed, qualifies as a PCE, and does not exceed the thresholds outlined in the current Programmatic Agreement between the Federal Highway Administration (FHWA) and Nevada Department of Transportation (NDOT) that would necessitate issuing a Categorical Exclusion for FHWA approval (FACE). The necessary action and documentation will be kept in the project file. Contact NDOT Environmental Division for assistance.)</p>		

Approved


 Christopher Young
 Chief, Environmental Services Program

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](#))



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MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P.E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 17: SUR 21-13 - Disposal of an excess parcel of land located at the southwest corner of Nevada State Route 431 and US Route 395A, Washoe County, Nevada. — *For possible action*

Summary:

Approve the disposal of the Nevada Department of Transportation's fee ownership of the abutter's rights for ingress and egress located along the west side of US Route 395A (S. Virginia St.), in the City of Reno, County of Washoe, State of Nevada. The proposed disposal of abutter's rights is designated as Surplus Parcel U-395A-WA-015.495CA XS1 and consists of approximately 60.01 linear feet, as depicted on the attached Location Map (*Attachment A*) and Right-of-Way Sketch Map (*Attachment B*).

Background:

On April 26, 1995, the Department acquired, through an Order of Condemnation, a portion of a larger parcel, with control of access and abutter's rights, for the construction and improvement of the US 395A, south of Mount Rose Intersection. The cost to acquire this portion of the larger parcel, along with other property, was \$170,000.00. On January 17, 2022, the Department received a request, from the current larger parcel owner to purchase and restore the abutter's rights for ingress/egress purposes along US 395A.

Analysis:

On March 29, 2022, the Surplus Property Committee reviewed the surplus and considered all relevant factors including NRS 408.533 and the current and future needs of the Department. The Department procured an appraisal of the abutter's rights, which concluded the fair market value of \$120,000.00.

Federal Highway Administration (FHWA) Engineering approval is exempt according to the FHWA-NDOT Stewardship Agreement, which delegates the authority to approve the disposal of control of access to the State, so long as the disposal is at fair market value and not located on the interstate.

The abutter's rights only benefit the adjacent larger parcel. As a result and pursuant to NRS 408.533(1)(c), the abutter's rights should be directly disposed of to the larger parcel owner, upon approval by the Transportation Board.

The proposed surplus property has been cleared on any environmental concerns. (*Attachment C*).

The proposed disposal of the Department's fee interest in abutter's rights will be made in accordance with NRS. 408.533 and the FHWA-NDOT Stewardship Agreement. Pertinent portions are below. (*Attachment D*).

NRS 408.533 Disposal of property.

1. Except as otherwise provided in [NRS 37.270](#), all real property, interests therein or improvements thereon and personal property acquired before, on or after April 1, 1957, in accordance with the provisions of [NRS 408.487](#) and [408.489](#) must, after approval by the Board and if no longer needed for highway purposes, be disposed of by the Director in accordance with the provisions of subsection 2, except that:

...

(c) When the title to the real property has been acquired in fee pursuant to NRS 408.487 and 408.489 and, in the opinion of the Board, a sale by means of a public auction or sealed bids is uneconomical or impractical because:

(1) There is no access to the property;

(2) The property has value or an increased value only to a single adjoining property owner;

... the Board may enter into a direct sale of the property with such an owner or any other person for its fair market value.

FHWA-NDOT Stewardship Agreement

Approve disposal at fair market value of federally funded right-of-way, including disposals of access control [23 CFR 710.409] (Note: 23 CFR 710.201 authorizes FHWA and STATE to agree to scope of property-related oversight and approvals for all actions except those on the Interstate System).

List of Attachment(s):

- A. Location Map
- B. R/W Sketch Map
- C. Environmental approval
- D. NRS 408.533
- E. FHWA-NDOT Stewardship Agreement

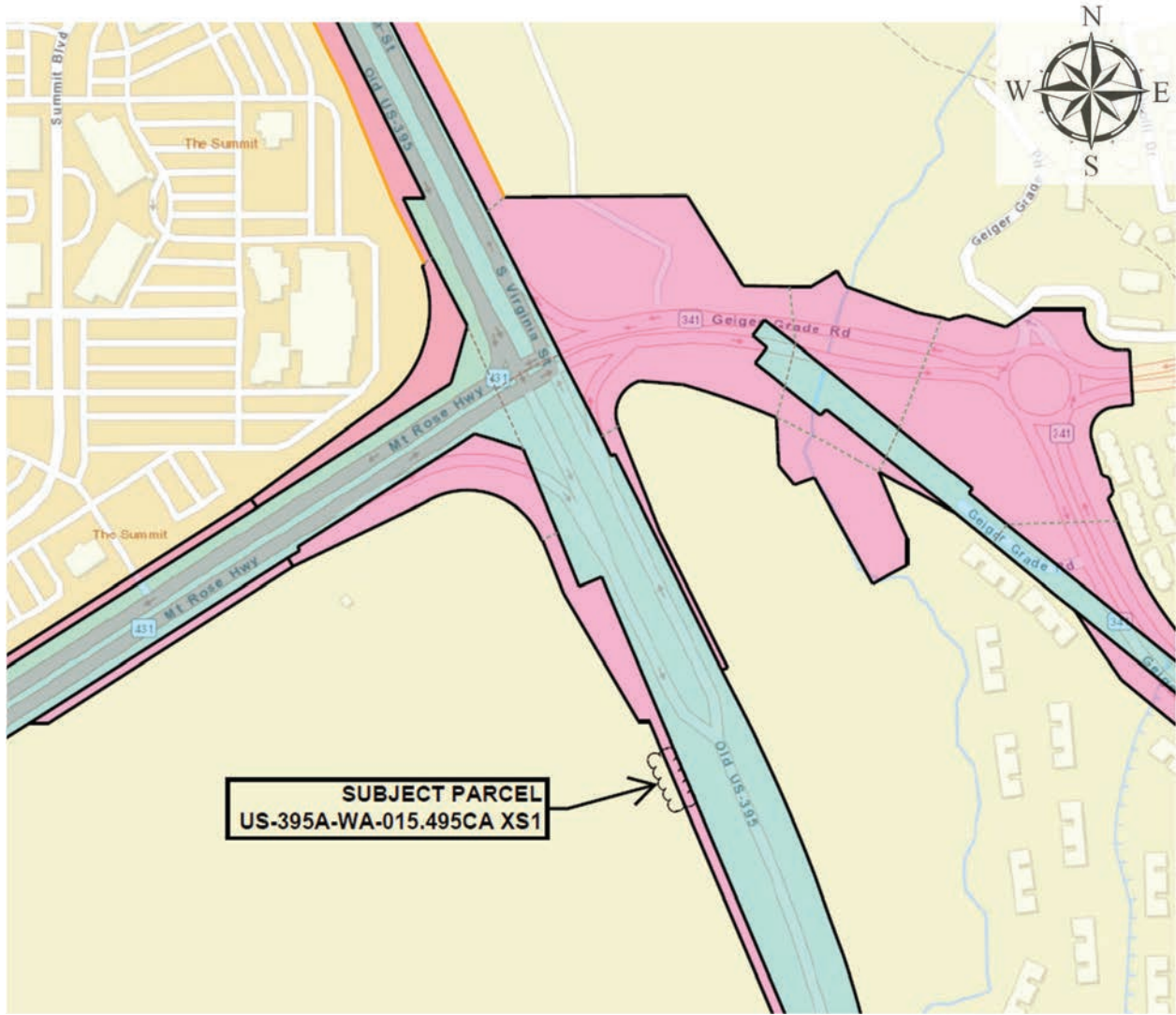
Recommendation for Board Action:

Approve the direct sale to the adjacent property owner of surplus parcel designated as Parcel U-395A-WA-015.495CA XS1.

Prepared by:

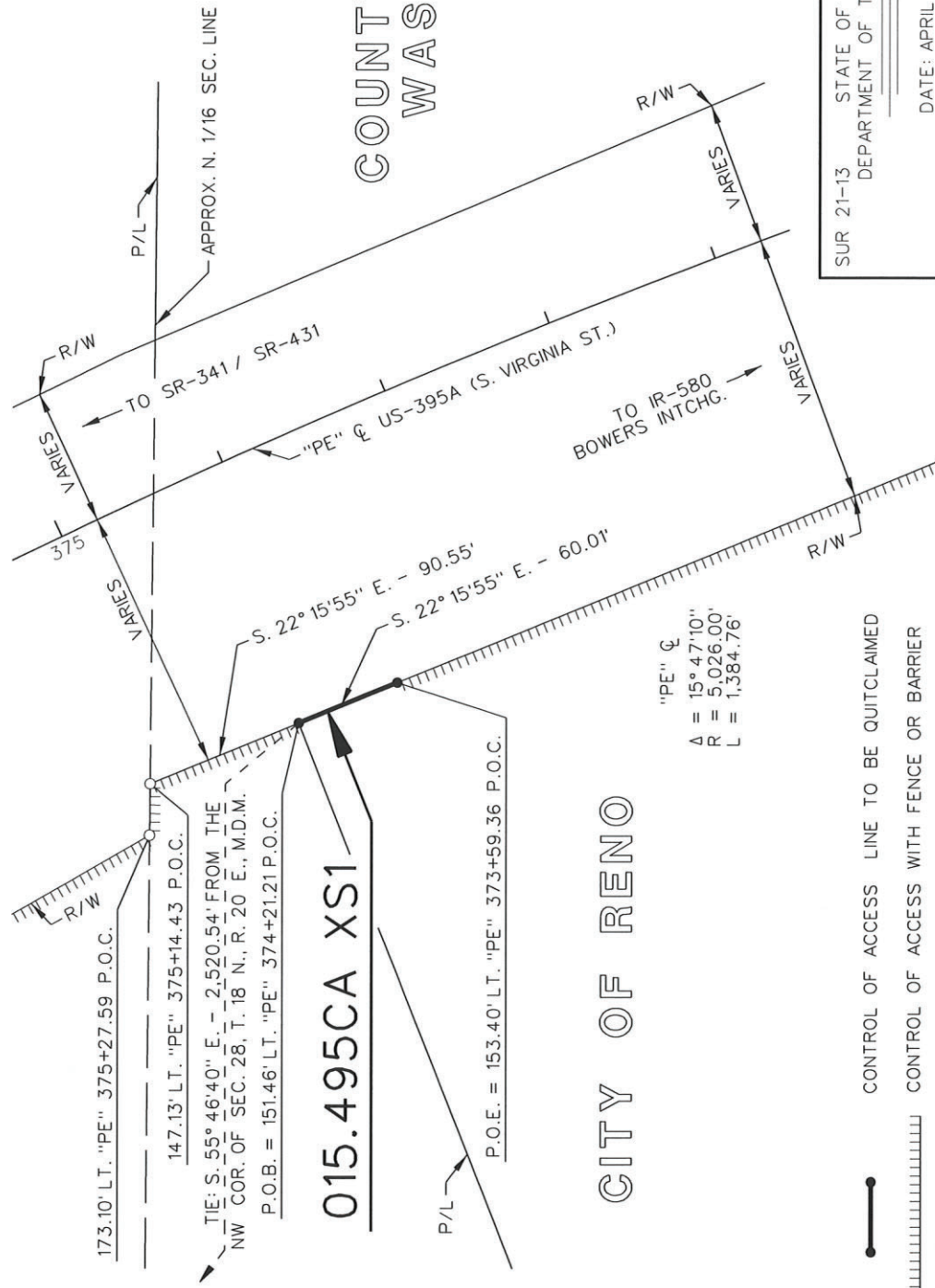
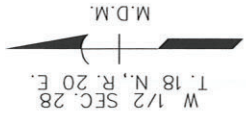
Craig Reynoldson, Chief Right-of-Way Agent

SUR 21-13



DESCRIPTION:
**Control of access disposal on the westerly right-of-way
line US-395 adjacent to APN 049-392-11
in the City of Reno, County of Washoe, State of Nevada**

PARCEL NO. PREFIX: U-395A-WA-



015.495CA XS1

CITY OF RENO

COUNTY OF WASHOE

SUR 21-13 STATE OF NEVADA WA-04
 DEPARTMENT OF TRANSPORTATION

DATE: APRIL 18, 2023

EXHIBIT "B"

APPROVED: *[Signature]*
 MANAGER IN CHARGE SURVEY SERVICES
 SCALE 1" = 100'

- CONTROL OF ACCESS LINE TO BE QUITCLAIMED
- CONTROL OF ACCESS WITH FENCE OR BARRIER
- LOCATION AT WHICH ACCESS TO THE FREEWAY IS PERMITTED BY THE STATE

"PE" C
 $\Delta = 15^\circ 47' 10''$
 $R = 5,026.00'$
 $L = 1,384.76'$

TRACED	BMS/CJH
CHECKED	CJH
DATE OF LAST REVISION:	

MAP ID NO.: 56498
 \037_RightOfWay\SURPLUS\SUR21-13\SUR 21-13EXHIBITB.dgn

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MEMORANDUM

Environmental Division

October 10, 2022

To: Craig Van Ortman, Staff Specialist
From: Christopher Young, Chief, Environmental Services Program *CCY*
Subject: Environmental Certification
Surplus No.: SUR 21-13
Project: F-395-WA-015.495
E.A.: 71565
Surplus Parcel No: U-395A-WA-015.495CA XS1, Ptn. of Parcel: U-395-WA-015.495
Description: Control-of-Access disposal on the westerly right-of-way line of US-395A

The Environmental Division reviewed the requested action as presented in your memo dated October 7, 2022 and found it clear of any documented environmental concern for disposal. Per FHWA opinion expressed March 30, 2016, this request does not appear to be a qualifying action and does not require NEPA or FHWA approval of NEPA, as outlined in 23 CFR 771 and the current programmatic Agreement between FHWA and NDOT.

EC: Project E-File

NRS 408.533 Disposal of property.

1. Except as otherwise provided in [NRS 37.270](#), all real property, interests therein or improvements thereon and personal property acquired before, on or after April 1, 1957, in accordance with the provisions of [NRS 408.487](#) and [408.489](#) must, after approval by the Board and if no longer needed for highway purposes, be disposed of by the Director in accordance with the provisions of subsection 2, except that:

(a) When the property was originally donated to the State, no charge may be made if it is returned to the original owner or to the holder of the reversionary right.

(b) When the property has been wholly or partially paid for by towns, cities or counties, disposal of the property and of money received therefor must be agreed upon by the governing bodies of the towns, cities and counties and the Department.

(c) When the title to the real property has been acquired in fee pursuant to [NRS 408.487](#) and [408.489](#) and, in the opinion of the Board, a sale by means of a public auction or sealed bids is uneconomical or impractical because:

(1) There is no access to the property;

(2) The property has value or an increased value only to a single adjoining property owner;

or

(3) Such a sale would work an undue hardship upon a property owner as a result of a severance of the property of that owner or a denial of access to a public highway,
 Ê the Board may enter into a direct sale of the property with such an owner or any other person for its fair market value.

(d) When the property has been acquired and the property or any portion of the property is no longer needed for highway purposes, the Department shall give notice of its intention to dispose of the property by publication in a newspaper of general circulation in the county where the property is situated. The notice must include the Department's appraisal of the fair market value of the property. Any person from whom the property was purchased or the person's heir or grantee may purchase the property at its fair market value by direct sale from the Department within 60 days after the notice is published. If more than one person qualified to purchase the property by direct sale pursuant to this paragraph so requests, the person with the superior claim, as determined by the Department in its sole discretion, is entitled to purchase the property by direct sale. If a person who is entitled to purchase the property by direct sale pursuant to this paragraph reasonably believes that the Department's appraisal of the property is greater than the fair market value of the property, the person may file an objection to the appraisal with the Department. The Department shall set forth the procedure for filing an objection and the process under which a final determination will be made of the fair market value of the property for which an objection is filed. The Department shall sell the property in the manner provided in subsection 2 if:

(1) No person requests to purchase the property by direct sale within 60 days after the notice is published pursuant to this paragraph; or

(2) A person who files an objection pursuant to this paragraph fails, within 10 business days after receipt of a written notice of the final determination of the fair market value of the property, to notify the Department in writing that he or she wishes to purchase the property at the fair market value set forth in the notice.

(e) When the property is sought by another public agency for a reasonable public use, the Department may first offer the property to the public agency at its fair market value.

2. All property, interests or improvements not included within the provisions of subsection 1 must first be offered for sale by the Department singly or in combination at public auction or by sealed bids. If the highest bid received is 90 percent or more of the Department's appraisal of the fair market value of the property, the property may be sold to the highest bidder. The notice and the terms of the sale must be published in a newspaper of general circulation in the county where the property is situated. The auctions and openings of bids must be conducted by the Department. If the property cannot be sold for 90 percent or more of its fair market value, the Department may enter into a written listing agreement with a person licensed pursuant to [chapter 645](#) of NRS to sell or lease the property for 90 percent or more of its fair market value.

3. It is conclusively presumed in favor of the Department and any purchaser for value that the Department acted within its lawful authority in acquiring and disposing of the property, and that the Director acted within his or her lawful authority in executing any conveyance vesting title in the purchaser. All such conveyances must be quitclaim in nature and the Department shall not warrant title, furnish title insurance or pay the tax on transfer of real property.

4. No person has a right of action against the Department or its employees for a violation of this section. This subsection does not prevent an action by the Attorney General on behalf of the State of Nevada or any aggrieved person.

5. All sums of money received by the Department for the sale of real and personal property must be deposited with the State Treasurer to be credited to the State Highway Fund, unless the Federal Highway Administration participated in acquisition of the property, in which case a pro rata share of the money obtained by disposal of the property must be paid to the Federal Highway Administration.

6. The Department may reserve and except easements, rights or interests from the conveyance of any real property disposed of in accordance with this section or exchanged pursuant to subsection 5 of [NRS 408.489](#). The easements, rights or interests include, but are not limited to:

- (a) Abutter's rights of light, view or air.
- (b) Easements of access to and from abutting land.
- (c) Covenants prohibiting the use of signs, structures or devices advertising activities not conducted, services not rendered or goods not produced or available on the real property.

FHWA and NDOT Stewardship and Oversight Agreement



May 2015



**STEWARDSHIP AND OVERSIGHT AGREEMENT
ON PROJECT ASSUMPTION AND PROGRAM OVERSIGHT
BY AND BETWEEN
FEDERAL HIGHWAY ADMINISTRATION, NEVADA DIVISION
AND THE
STATE OF NEVADA DEPARTMENT OF TRANSPORTATION**

SECTION I. BACKGROUND AND INTRODUCTION

The Federal-aid Highway Program (FAHP) is a federally-assisted program of State-selected projects. The Federal Highway Administration (FHWA) and the State Departments of Transportation have long worked as partners to deliver the FAHP in accordance with Federal requirements. In enacting 23 U.S.C. 106(c), as amended, Congress recognized the need to give the States more authority to carry out project responsibilities traditionally handled by FHWA. Congress also recognized the importance of a risk-based approach to FHWA oversight of the FAHP, establishing requirements in 23 U.S.C. 106(g). This Stewardship and Oversight (S&O) Agreement sets forth the agreement between the FHWA and the State of Nevada Department of Transportation (NDOT) on the roles and responsibilities of the FHWA and the State DOT with respect to Title 23 project approvals and related responsibilities, and FAHP oversight activities.

The scope of FHWA responsibilities, and the legal authority for State DOT assumption of FHWA responsibilities, developed over time. The U.S. Secretary of Transportation delegated responsibility to the Administrator of the FHWA for the FAHP under Title 23 of the United States Code, and associated laws. (49 CFR 1.84 and 1.85) The following legislation further outlines FHWA's responsibilities:

- Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991;
- Transportation Equity Act for the 21st Century (TEA-21) of 1998;
- Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) of 2005; and
- Moving Ahead for Progress in the 21st Century Act (MAP-21) of 2012 (P.L. 112-141).

The FHWA may not assign or delegate its decision-making authority to a State Department of Transportation unless authorized by law. Section 106 of Title 23, United States Code (Section 106), authorizes the State to assume specific project approvals. For projects that receive funding under Title 23, U.S.C., and are on the National Highway System (NHS) including projects on the Interstate System, the State may assume the responsibilities of the Secretary of the U.S. Department of Transportation under Title 23 for design, plans, specifications, estimates, contract awards, and inspections with respect to the projects unless the Secretary determines that the assumption is not appropriate. (23 U.S.C. 106(c)(1)) For projects under Title 23, U.S.C. that are not on the NHS, the State shall assume the responsibilities for design, plans, specifications, estimates, contract awards, and inspections unless the State determines that such assumption is not appropriate. (23 U.S.C. 106(c)(2))

ATTACHMENT A - PROJECT ACTION RESPONSIBILITY MATRIX

PROJECT ACTION RESPONSIBILITY MATRIX (as of February 6, 2014) (Excluding PoDIs, which are subject to separate PoDI Plans)		
ACTION	AGENCY RESPONSIBLE	
	PROJECTS ON THE NHS	PROJECTS OFF THE NHS
Approve Hardship and Protective Buying [23 CFR 710.503] (If a Federal-aid project) (Note: this action cannot be assumed by State)	FHWA	FHWA
Approve Interstate Real Property Interest Use Agreements [23 CFR 710.405] (Note: this action cannot be assumed by State)	FHWA	N/A
Approve non-highway use and occupancy [23 CFR 1.23(c)]	FHWA for Interstate STATE for Non-Interstate (3)	STATE (3)
Approve disposal at less than fair market value of federally funded right-of-way, including disposals of access control [23 U.S.C. 156] (Note: this action cannot be assumed by State)	FHWA	FHWA
Approve disposal at fair market value of federally funded right-of-way, including disposals of access control [23 CFR 710.409] (Note: 23 CFR 710.201 authorizes FHWA and STATE to agree to scope of property-related oversight and approvals for all actions except those on the Interstate System)	FHWA for Interstate STATE for Non-Interstate (3)	STATE (3)
Requests for credits toward the non-Federal share of construction costs for early acquisitions, donations or other contributions applied to a project (note: this action cannot be assumed by State)	FHWA	FHWA
Federal land transfers [23 CFR 710, Subpart F] (Note: this action cannot be assumed by State)	FHWA	FHWA



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MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P.E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 18: Consideration of approval of the Fiscal Year 2024 Annual Work Program and acceptance of an Amendment to the 2023-2026 Statewide Transportation Improvement Program (STIP) – *For Possible Action*

Background:

NRS 408.280 requires a presentation to the Governor and Board with a detailed proposed work program by county for the following fiscal year on or before October 1 of each year. The NDOT Work Program achieves the statutory requirement by providing planned project information for all NDOT-led projects by year and by county, focusing on the Annual Work Program (AWP), or the first year of the program.

In addition to state requirements, 23 CFR 450 and 49 CFR 613 require a long-range statewide transportation plan and a Statewide Transportation Improvement Program (STIP). The long-range plan must include a minimum 20-year forecast and plans for improvements to the transportation system, including all modes of transportation. The STIP is a four year, fiscally constrained program of all federally funded and regionally significant surface transportation projects across the state, regardless of which agency is responsible for delivering the project. It includes all federally funded or regionally significant projects on NDOT's Work Program, as well as Regional Transportation Improvement Programs from the metropolitan areas, federal lands transportation projects, and tribal transportation projects.

The One Nevada Transportation Plan, adopted in 2018, is Nevada's long-range statewide plan. The plan provides a foundation for a robust performance-based planning and prioritization process, which NDOT has been developing, implementing, and enhancing since the plan was adopted.

This process included identifying criteria and evaluating projects against the six goals of the One Nevada Plan: Enhance Safety, Preserve Infrastructure, Optimize Mobility, Transform Economies, Foster Sustainability, and Connect Communities. All identified projects were scored against these criteria, which were also weighted for relative importance. Cost was also factored in to ensure we considered the relative values of projects compared with resource allocation.

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

Page 2 of 2

The final process to develop the recommended program of projects, called “harmonization”, looks at planned project eligibility for federal and state fund sources, readiness and dependencies, performance targets, and geographic distribution across the state; and has led NDOT to the proposed Work Program and updated STIP.

The approved Work Program and STIP are both available via an interactive web platform that is regularly updated. A Draft 2024 Work Program and STIP Amendment were available for public comment from August 21, 2023, through September 3, 2023, at <https://www.dot.nv.gov/projects-programs/proposed-transportation-projects>.

This item is to seek approval of the 2024 AWP and acceptance of the remainder of the Work Program, which will make up NDOT’s portion of the 2023-2026 STIP.

List of Attachment(s):

- A. Nevada DOT FY2024 Project List Draft

Recommendation for Board Action:

Approval of the 2024 Annual Work Program and Acceptance of an Amendment to the Statewide Transportation Improvement Program.

Prepared by:

Kevin Verre, Program Development Chief

Nevada DOT FY2024 Project List - July Adoption

STIP and Work Program Prioritization Results

Fund in Scenario	TIP ID	PCEMS	PSAMS	PROJECT TITLE	2024 Funding PE/ ROW	2024 Funding CON/ OTHER	2023-2026 Funding	County	Primary Project Type
Yes	CL20200029	1-03413	74396, 69929	Henderson Interchange	\$0	\$100,000,000	\$450,000,000	Clark	New Construction
Yes	WP20210001			US 50, AND US 93 ROADWAY RECONSTRUCT, CURB, GUTTER, SIDEWALK, BIKI	\$0	\$41,500,000	\$41,500,000	White Pine	Pavement Preservation
Yes	CL20210027	-03-420, 8-0024	74424	North Las Vegas Maintenance Station New Admin Building	\$0	\$40,000,000	\$40,000,000	Clark	Maintenance
Yes	CL20170037	4-03457	74136, 69996	SR 147 Lake Mead Blvd Overlay and ADA Improvements	\$0	\$35,000,000	\$35,000,000	CLARK	New Construction
Yes	DO20210002	2-05134	60959, 74249	US 50 3R Preservation in the Tahoe Basin Phase 1	\$0	\$32,500,000	\$32,500,000	Douglas	Pavement Preservation
Yes	CL20220010		74482, 61090	US 95 Rainbow Bend	\$0	\$30,855,700	\$30,855,700	CLARK	Pavement Preservation
Yes	NY20140031	2-23066	73928, 60966	US 6, Tonopah Downtown Rehab	\$0	\$30,000,000	\$30,000,000	Nye	Pavement Preservation
Yes	CL20220015			US 95 South of I 11	\$0	\$29,791,600	\$29,791,600	CLARK	Pavement Preservation
Yes	WA20220032			I-80 West of Reno - H767E/W Bridge replacement	\$0	\$29,390,000	\$29,390,000	Washoe	Structure Preservation
Yes	WA20220029			I-80 West of Reno - I775E/W Bridge replacement at SR647 / W. 4th St.	\$0	\$29,270,000	\$29,270,000	WASHOE	Structure Preservation
Yes	WA20220030			I-80 West of Reno - I774E/W Bridge replacement at Mogul Rd / 4th St.	\$0	\$27,230,000	\$27,230,000	WASHOE	Structure Preservation
Yes	XS20150004			Statewide Contingencies	\$0	\$26,315,789	\$105,263,156	Statewide	PROGRAM FUNDING BUCKETS
Yes	CH20220003		74478, 61087	I 80 Jessup Preservation	\$0	\$25,000,000	\$25,280,000	CHURCHILL	Pavement Preservation
Yes	HU20220004	1-13-066	61071, 74448	IR 80, from PE/HU County Line to W Strip Grade Separation - Preservation	\$0	\$23,073,325	\$23,073,325	HUMBOLDT	Pavement Preservation
Yes	EL20220005		74493, 61098	I 80, Elko County, Oasis	\$0	\$22,115,600	\$22,115,600	ELKO	Pavement Preservation
Yes	WA20220019			I 580 Bowers to Mount Rose Highway- Preservation	\$0	\$21,603,000	\$21,603,000	WASHOE	Pavement Preservation
Yes	CL20200046	4-03468	74357, 61035	SR 562 Sunset and SR 171 Mill and Overlay	\$0	\$16,000,000	\$16,000,000	Clark	Pavement Preservation
Yes	LA20220003			SR 305, LA, From US 50 to South of the Reese River-Preservation	\$0	\$15,597,000	\$15,597,000	LANDER	Pavement Preservation
Yes	CL20110024	1-03365	73652, 73791	I 15 Project Neon ROW Bond Conversion Payments (ROW)	\$0	\$14,633,942	\$49,260,242	Clark	BOND REPAYMENTS
Yes	CL20170034	2-03283	74109	I 515/US 95 HOV Half Interchange Construction at City Parkway	\$0	\$14,105,000	\$14,105,000	Clark	New Construction
Yes	WA20220017	2-31-240	74481, 61089	US 395 North Valleys- Preservation	\$0	\$13,651,340	\$13,651,340	WASHOE	Pavement Preservation
Yes	NY20220004			US 6, NY, at Warm Springs to Sandy Summit - Preservation	\$0	\$11,884,000	\$11,884,000	CLARK	Pavement Preservation
Yes	DO20180007	1-05063, 3-0506:	74178, 69920	SR 207 Kingsbury Grade	\$0	\$11,500,000	\$11,500,000	Douglas	Pavement Preservation
Yes	EL20220003			Elko County Betterments	\$0	\$11,250,264	\$39,050,899	ELKO	Betterments
Yes	CL20220012	1-03439	74462, 61079	I 215 / I 15 to Windmill Lane	\$0	\$11,046,900	\$11,046,900	CLARK	Pavement Preservation
Yes	XS20150001			NDOT Bond Repayment	\$0	\$11,000,000	\$44,000,000	Washoe	BOND REPAYMENTS
Yes	XS20220036		61099, 74494	US 93 Lages Station Junction- Preservation	\$0	\$11,000,000	\$11,215,000	WHITE PINE	Pavement Preservation
Yes	EL20210001	4-07021	74333, 69928	SR 227 Roundabout	\$0	\$9,850,000	\$9,850,000	Elko	Operations
Yes	WA20200008			US 395 N. Virginia St. improvements fm. Parr Blvd. to US 395	\$0	\$9,700,000	\$9,700,000	Washoe	New Construction
Yes	WA20200073	4-31256	74354	SR 445, PYRAMID WAY - 3R AND ADA	\$115,000	\$9,472,000	\$9,587,000	Washoe	Pavement Preservation
Yes	LN20220001			Lincoln County Betterments	\$0	\$7,410,000	\$9,527,500	LINCOLN	Betterments
Yes	EL20220008			US 93 NB MP 114 to 116 (passing lane) and SB MP 115.811 to 120.296, Wide	\$0	\$7,100,000	\$7,100,000	Statewide	New Construction
Yes	CC20210017	1-25003		I-580, Carson City/CC, Pkg WC3, Install ITS Infrastructure	\$490,000	\$7,000,000	\$7,490,000	CARSON CITY	Operations
Yes	XS20220012	2-21062	69963, 74359	US 95A, Yerington - 3R Phase 2	\$0	\$7,000,000	\$7,000,000	Churchill	Pavement Preservation
Yes	CH20220002	1-00999, 8-0099:	69926, 69934	Churchill County Betterments	\$0	\$6,856,216	\$9,388,483	CHURCHILL	Betterments
Yes	CL20220008			Clark County Betterments	\$0	\$6,832,000	\$24,834,500	CLARK	Betterments
Yes	CL20200036	1-03382	73929	I 15 Landscape & Aesthetics Improvements Spring Mountain interchange MP	\$0	\$6,400,000	\$6,400,000	Clark	Maintenance
Yes	EL20220009			US 93 NB, MP 124.358 to 126.312 and US 93 SB MP 126.312 to 128.052, Wid	\$0	\$5,040,000	\$5,040,000	Statewide	New Construction
Yes	NY20200019	3-23072	74325, 61053	SR 376 - Hydraulics	\$0	\$5,000,000	\$5,000,000	Nye	Environmental

Nevada DOT FY2023 Project List - July Adoption

STIP and Work Program Prioritization Results

Fund in Scenario	TIP ID	PCEMS	PSAMS	PROJECT TITLE	2024 Funding PE/ ROW	2024 Funding CON/ OTHER	2023-2026 Funding	County	Primary Project Type
Yes	HU20220002	8-00999	69937	Humboldt County Betterments	\$0	\$4,880,349	\$10,147,681	HUMBOLDT	Betterments
Yes	WA20220014	3-00997, 8-00999	69948, 69943	Washoe County Betterments	\$0	\$4,738,900	\$9,697,090	WASHOE	Betterments
Yes	WA20220016			SR 659 East McCarran Blvd.- ADA Preservation	\$0	\$4,587,500	\$4,587,500	WASHOE	Pavement Preservation
Yes	EL20210019	5-07-009	61065, 74423	FR EL49 G-58 over UPRR	\$300,000	\$4,500,000	\$4,800,000	Elko	Pavement Preservation
Yes	WA20200007	4-31263	74415	SR 667 Kietzke Lane, Reno - ADA	\$2,525,000	\$4,000,000	\$6,525,000	Washoe	Safety
Yes	CL20200045	4-03468	74357, 61035	SR 171, Airport Connector 3R	\$100,000	\$4,000,000	\$4,100,000	Clark	Pavement Preservation
Yes	EL20220011			SR 230 UPRROP near Deeth G-53 replacement	\$0	\$4,000,000	\$4,000,000	Elko	Structure Preservation
Yes	LY20220001	8-00999	69927	Lyon County Betterments	\$0	\$3,976,099	\$5,826,859	LYON	Betterments
Yes	WP20220002			White Pine County Betterments	\$0	\$3,897,677	\$5,501,102	WHITE PINE	Betterments
Yes	CL20200092			Southern Nevada Transit Coalition [SNTC] - Laughlin [SNLA]	\$0	\$3,214,532	\$9,512,093	Clark	NDOT LED TRANSIT
Yes	CL20180004	3-03144, 5-0700	74142	VARIOUS LOCATIONS IN THE CITY OF LAS VEGAS, NELLIS @ CEAR, RANCHO @	\$0	\$3,000,000	\$3,000,000	Clark	Active Transportation
Yes	EL20220010			SR 225 B-535 Bridge demolition and replacement; B-541 Construct riprap apr	\$0	\$3,000,000	\$3,000,000	Elko	Structure Preservation
Yes	HU20200003	1-13064, 1-1306	61031, 74385	I-80 W Winnemucca Interchange	\$0	\$3,000,000	\$3,000,000	Humboldt	Operations
Yes	NY20220001			Nye County Betterments	\$0	\$2,851,267	\$9,265,082	NYE	Betterments
Yes	DO20200026			Tahoe Transportation District (TTD) - Operations [TTDO]	\$0	\$2,707,783	\$8,012,577	Douglas	NDOT LED TRANSIT
Yes	HU20200026	2-13037	74328, 61049	US95, Winnemucca, Melarkey St. - B-223 Scour Revetment	\$0	\$2,500,000	\$2,500,000	Humboldt	Structure Preservation
Yes	ES20220001			Esmeralda County Betterments	\$0	\$2,317,640	\$4,408,293	ESMERALDA	Betterments
Yes	PE20220001		69918	Pershing County Betterments	\$0	\$2,043,084	\$4,855,572	PERSHING	Betterments
Yes	WA20210046	4-31-262	74414	SR 659 McCarran Boulevard, Reno - ADA	\$1,364,000	\$2,000,000	\$3,364,000	Washoe	Active Transportation
Yes	CL20200034			I 15 rehab/retrofit B-781 N/S at Muddy River -	\$0	\$2,000,000	\$2,000,000	Clark	Structure Preservation
Yes	WA20200016			US 395A, pedestrian/sidewalks S. Virginia, from Damonte/Arrowcreek to I-58	\$0	\$2,000,000	\$2,000,000	Washoe	Safety
Yes	CL20170020	2-03276	60690	SR-163, CL, K2, Install ITS infrastructure	\$0	\$1,875,000	\$1,875,000	Clark	Operations
Yes	WA20200006			SR 445, ADA Projects Pyramid Way, Sparks, fm. Nugget Ave. to Sparks Blvd.	\$0	\$1,830,000	\$1,830,000	Washoe	Safety
Yes	CL20200027	4-03462	74319	Rainbow Blvd ADA	\$0	\$1,550,000	\$1,550,000	Clark	Pavement Preservation
Yes	XS20200040			St George Express / Salt Lake Express	\$0	\$1,544,600	\$4,633,800	Statewide	NDOT LED TRANSIT
Yes	XS20230004	1-09050, 2-09050	61007, 74360	US 6, Tonopah, Millers to Slime Wash - 3R	\$0	\$1,500,000	\$1,500,000	Nye	Safety
Yes	CL20200093			Southern Nevada Transit Coalition [SNTC] - Mesquite [SNMQ]	\$0	\$1,372,897	\$4,062,528	Clark	NDOT LED TRANSIT
Yes	XS20150002			Recreational Trails	\$0	\$1,344,370	\$4,033,110	Statewide	PROGRAM FUNDING BUCKETS
Yes	CL20200091			Southern Nevada Transit Coalition [SNTC] - Laughlin [SNLA]	\$0	\$1,155,317	\$3,418,690	Clark	NDOT LED TRANSIT
Yes	EU20210001	2-11011	74345	US 50 Eureka ADA	\$0	\$1,025,000	\$1,025,000	Eureka	Safety
Yes	WA20170130	6-31227	74130, 74223	Highland Avenue Railroad Crossing	\$0	\$1,020,000	\$1,020,000	Washoe	Safety
Yes	EL20200053			St George Express / Salt Lake Express	\$0	\$946,910	\$2,840,730	Elko	NDOT LED TRANSIT
Yes	CL20200033			I 515 rehab/retrofit I-1449, H-1446 at Boulder Hwy. and Sahara -	\$0	\$800,000	\$800,000	Clark	Structure Preservation
Yes	CH20200001			I 80 and US 95 Trinity Expansion Ph 1, add 36 truck parking spaces	\$0	\$765,000	\$765,000	Churchill	New Construction
Yes	DO20200025			Douglas Area Regional Transportation [DART]	\$0	\$763,850	\$2,260,301	Douglas	NDOT LED TRANSIT
Yes	LA20220001			Lander County Betterments	\$0	\$705,448	\$3,223,493	LANDER	Betterments
Yes	CL20210019			CAA compliant parking structure	\$0	\$650,000	\$650,000	CLARK	NDOT LED TRANSIT
Yes	WP20180001	3-33019	74265	SR487, White Pine - Baker Multi-Use Path, LPA	\$0	\$634,129	\$634,129	White Pine	New Construction
Yes	NY20200018			Pahrump Senior Center, Inc (now Pahrump Valley Public Transportation) (PA'	\$0	\$629,550	\$1,862,895	Nye	NDOT LED TRANSIT

Nevada DOT FY2023 Project List - July Adoption

STIP and Work Program Prioritization Results

Fund in Scenario	TIP ID	PCEMS	PSAMS	PROJECT TITLE	2024 Funding PE/ ROW	2024 Funding CON/ OTHER	2023-2026 Funding	County	Primary Project Type
Yes	DO20200001			Lake Tahoe Storm water project coop	\$0	\$600,000	\$1,800,000	Douglas	PROGRAM FUNDING BUCKETS
Yes	PE20200001	3-27034	74384	SR 396/SR 398/SR 854/SR 397, Lovelock, ADA Projects	\$0	\$555,000	\$555,000	Pershing	Safety
Yes	XS20210017			Integrated scheduling and dispatching software	\$0	\$544,108	\$1,664,027	Statewide	NDOT LED TRANSIT
Yes	WA20200010			SR 667, ADA Project Kietzke Ln., fm. 0.10 MS of Vassar St. to Mill St.	\$0	\$480,000	\$480,000	Washoe	Safety
Yes	CL20210013			ADA accessible cutaway buses	\$0	\$476,121	\$656,767	CLARK	NDOT LED TRANSIT
Yes	HU20200022			Humboldt County Senior Center [HCSC]	\$0	\$456,664	\$1,351,312	Humboldt	NDOT LED TRANSIT
Yes	WA20200066			Pyramid Lake Paiute Tribe [PLPT]	\$0	\$454,727	\$1,345,579	Washoe	NDOT LED TRANSIT
Yes	EU20220001	8-00999	69942	Eureka County Betterments	\$0	\$407,970	\$6,270,887	EUREKA	Betterments
Yes	EL20200005			SR 223, ADA project Wells, fm. 500 ft. S. of I 80 to 600 ft. E. of US 93	\$0	\$300,000	\$300,000	Elko	Safety
Yes	EL20210014			ADA accessible buses	\$0	\$255,000	\$565,000	ELKO	NDOT LED TRANSIT
Yes	DO20220002			Douglas County Betterments	\$0	\$249,000	\$775,568	DOUGLAS	Betterments
Yes	WP20200009			White Pine County - Ely Bus [WPIN]	\$0	\$219,317	\$648,982	White Pine	NDOT LED TRANSIT
Yes	DO20210009			ADA accessible vans	\$0	\$200,000	\$400,000	DOUGLAS	NDOT LED TRANSIT
Yes	NY20200017			Nye County Senior Nutrition Program, Inc. [NCSN]	\$0	\$184,402	\$545,665	Nye	NDOT LED TRANSIT
Yes	MI20220001			Mineral County Betterments	\$0	\$172,900	\$2,960,400	MINERAL	Betterments
Yes	WA20200065			Washoe County/City of Reno Access to Healthcare Network (MOBA)	\$0	\$131,327	\$388,609	Washoe	NDOT LED TRANSIT
Yes	NY20200016			Nye Communities Coalition [MOBN]	\$0	\$109,434	\$323,824	Nye	NDOT LED TRANSIT
Yes	XS20210018			Integrated scheduling and dispatching hardware	\$0	\$108,300	\$267,000	Statewide	NDOT LED TRANSIT
Yes	XS20210016			Neighbor Network of Northern Nevada [NNNN] mobility management progr	\$0	\$101,707	\$305,121	Statewide	NDOT LED TRANSIT
Yes	HU20210008			ADA accessible bus	\$0	\$101,585	\$101,585	HUMBOLDT	NDOT LED TRANSIT
Yes	EL20200051			Partners Allied for Community Excellence (PACE) Coalition [MOBP]	\$0	\$100,725	\$298,054	Elko	NDOT LED TRANSIT
Yes	CH20210013			ADA accessible buses	\$0	\$84,714	\$169,428	CHURCHILL	NDOT LED TRANSIT
Yes	LY20210007			ADA accessible vans	\$0	\$62,694	\$168,842	LYON	NDOT LED TRANSIT
Yes	XS20150006	40, 8-00240, 8-C, 60699, 60569,		FFY 2015 NSTI Summer Transportation Engineering Camp	\$0	\$50,000	\$150,000	Statewide	PROGRAM FUNDING BUCKETS
Yes	CC20220003			Carson City Betterments	\$0	\$49,800	\$49,800	CARSON CITY	Betterments
Yes	WA20210041			Neighbor Network of Northern Nevada [NNNN] transit operations	\$0	\$47,842	\$143,525	WASHOE	NDOT LED TRANSIT
Yes	EL20210017			Facility renovation	\$0	\$44,000	\$110,000	ELKO	NDOT LED TRANSIT
Yes	CL20210021			Miscellaneous revenue vehicle maintenance items	\$0	\$33,552	\$100,656	CLARK	NDOT LED TRANSIT
Yes	CL20210012			Miscellaneous revenue vehicle maintenance items	\$0	\$27,847	\$55,694	CLARK	NDOT LED TRANSIT
Yes	HU20210012			Miscellaneous revenue vehicle maintenance items	\$0	\$5,070	\$10,140	HUMBOLDT	NDOT LED TRANSIT
Yes	HU20210011			Vehicle equipment	\$0	\$2,609	\$5,218	HUMBOLDT	NDOT LED TRANSIT
Yes	CL20180050	1-03419		I 515, CLARK COUNTY, 28TH MOJAVE ROAD TO RANCHO DRIVE (Downtown /	\$117,000,000	\$0	\$317,000,000	Clark	New Construction
Yes	WA20200011	1-31247	74317	Reno Spaghetti Bowl - Phase 2 Nugget Viaduct -Preliminary Design	\$77,115,000	\$0	\$77,115,000	Washoe	New Construction
Yes	CL20200130	4-03473	74410	Charleston Boulevard Underpass Reconstruction (aka Las Vegas - Charleston	\$2,105,164	\$0	\$2,105,164	Clark	Structure Preservation
Yes	CL20220022	2-03293	74454, 61076	US 93 & SR 173 - Boulder	\$25,000	\$0	\$8,614,600	CLARK	Pavement Preservation



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

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P. E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 19 : Consideration of Approval of Legislature-Approved Fiscal Year 2024 Vehicle Replacement and Procurement of Vehicles and Non-Rental Equipment in Accordance with NRS 408.389.
– For possible action

Summary:

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

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 82nd session of the Nevada Legislature approved new, replacement, and additional equipment for purchase, and NDOT seeks the Board’s consideration and approval for the equipment purchases.

The replacement criteria for fleet vehicles is based on age and/or mileage. Each class of vehicle has specific replacement criteria; however, the Department has discretion in identifying vehicles to be replaced. For example, if a vehicle remains serviceable with acceptable maintenance costs, it will remain in service even though it exceeds replacement criteria. If a vehicle is experiencing excessive repair or maintenance costs, it may be replaced before the criteria is met in order to achieve our mission objectives.

Analysis:

The 101 vehicles and 24 pieces of non-rental equipment for which the Department is requesting approval to purchase are 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.

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

Page 2 of 2

List of Attachment(s):

- A. List of Vehicles and Equipment greater than \$50,000.
- B. Cost Analysis for Vehicles greater than \$50,000.

Recommendation for Board Action:

Approval to purchase the vehicles and equipment listed in Attachment A.

Prepared by:

Wayne Miller, Equipment Superintendent

Bhupinder Sandhu, Acting D2 Engineer

Jenica Keller, Assistant Director Operations

Attachment A

List of New and Replacement Vehicles
greater than \$50,000

Non-Rent greater than \$50,000

Old Unit #	MCC	Description	*Budgetary \$
E710 Replacement Over \$50,000			
Board Approval Required			
2102	01A	SUV	\$ 50,000
2168	03	3/4 Ton Crew Cab, SB, 4X4, Gas	\$ 65,000
1037	03	3/4 Ton Crew Cab, SB, 4X4, Gas	\$ 65,000
0174	03	3/4 Ton Crew Cab, Long Bed, 4x4 W/Camper	\$ 65,000
3275	03	3/4 Ton Crew Cab, SB, 4X4, Gas	\$ 65,000
3312	03	3/4 Ton Extended Cab, Shortbed, 4X4, Gas	\$ 65,000
1186	05	1/2 Ton Crew Cab, SB, 4X4, Gas	\$ 65,000
0318	05	1/2 Ton, Ext Cab, Shortbed, Gas, 4X4	\$ 65,000
0429	05	1/2 Ton, Ext Cab, Shortbed, Gas, 4X4	\$ 65,000
0976	05	1/2 Ton, Std Cab, Long Bed, Flex, 4X4	\$ 65,000
0659	05	1/2 Ton Crew Cab, 4x4, Gas	\$ 65,000
1876	05	1/2 Ton Crew Cab, 4x4, Gas	\$ 65,000
1188	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
0336	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
3274	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
0037	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
1803	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
2307	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
0475	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
0072	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
1767	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
1223	05	1/2 T Crew Cab, 4x4, Gas	\$ 65,000
1909	05	1/2 T, Crew Cab, Long Bed, 4x4	\$ 50,000
0710	08A	8K Diesel --Ton Fork Lift	\$ 95,000
3138	11A	Aerial Truck	\$ 250,000
1147	11E	1 Ton Dump	\$ 100,000
0664	11E	1 Ton Dump	\$ 100,000
0599	11E	1 Ton Dump	\$ 100,000
3005	11E	1 Ton Dump	\$ 100,000
0280	11E	1 Ton Dump	\$ 100,000
0570	11E	1 Ton Dump	\$ 100,000

*The actual purchase price of individual items may vary from the estimates provided; however, the total budget noted will not be exceeded.

Old Unit #	MCC	Description	*Budgetary \$
1196	11E	1 Ton Dump	\$ 100,000
1201	11G	Tandem Axle Side Dump W/Attenuator	\$ 225,000
3068	11H	1 Ton Flat Rack	\$ 100,000
0967	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0625	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0794	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1454	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1375	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1684	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0612	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1690	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0583	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
2769	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1370	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
3023	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0265	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0585	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0246	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
0226	13	Plow Truck, Sander, Front Plow, Wing Plow	\$ 400,000
1751	14	Transport Tractor	\$ 225,000
2787	14	Transport Tractor	\$ 225,000
0271	24	Street Sweeper	\$ 400,000
0994	24	Street Sweeper	\$ 400,000
1638	24	Street Sweeper	\$ 400,000
1793	24	Street Sweeper	\$ 400,000
2795	24	Street Sweeper	\$ 400,000
2799	24	Street Sweeper	\$ 400,000
3039	24	Street Sweeper	\$ 400,000
1797	24	Street Sweeper	\$ 400,000
0662	24	Street Sweeper	\$ 400,000
0673	24	Street Sweeper	\$ 400,000
3136	24	Street Sweeper	\$ 400,000
3137	24	Street Sweeper	\$ 400,000
1941	31	Motor Grader	\$ 350,000
1396	31	Motor Grader	\$ 350,000
2814	35	Loader	\$ 200,000
3042	35	Loader	\$ 200,000
2176	35	Loader	\$ 200,000

*The actual purchase price of individual items may vary from the estimates provided; however, the total budget noted will not be exceeded.

Old Unit #	MCC	Description	*Budgetary \$
2821	35	Loader	\$ 200,000
2816	35	Loader	\$ 200,000
1195	35	Loader	\$ 200,000
1885	35	Loader	\$ 200,000
2322	35	Loader	\$ 200,000
2329	35	Loader	\$ 200,000
2440	35	Loader	\$ 200,000
2694	35	Loader	\$ 200,000
0713	35	Loader	\$ 200,000
1022	35	Loader	\$ 200,000
2698	35	Loader	\$ 200,000
2320	35	Loader	\$ 200,000
2699	35	Loader	\$ 200,000
2812	35	Loader	\$ 200,000
2218	35	Loader	\$ 200,000
1522	37	Radial Staker 30X60	\$ 200,000
0316	37	Radial Staker 30X60	\$ 200,000
2858	45	Pneumatic Roller	\$ 125,000
1776	45	Pneumatic Roller	\$ 125,000
1596	60	50 Ton Roll Back Trailer	\$ 200,000
1371	60	30 Ton Tilt Trailer	\$ 60,000
1604	60	30 Ton Tilt Trailer	\$ 60,000
1621	70A	Drill Rig CV60 Chassis	\$ 200,000
New	55	D6 Caterpillar Dozer	\$ 400,000
New	20	Truck Mounted Culvert Cleaner	\$ 450,000
New	77	Freeway Line Striper	\$ 750,000
New	77	Freeway Line Striper	\$ 750,000
New	77	Freeway Line Striper	\$ 750,000
New	77	Freeway Line Striper	\$ 750,000
New	77	Freeway Line Striper	\$ 750,000
New	82	ICC Pavement Management Stress System with ride van	\$ 910,000
New	83	Aspen A-75 Under Bridge Inspection Truck	\$ 1,225,000
		Subtotal	\$ 26,690,000

*The actual purchase price of individual items may vary from the estimates provided; however, the total budget noted will not be exceeded.

Old Unit #	MCC	Description	*Budgetary \$
Non Rent Over (or potential to exceed) \$50,000			
Board Approval Required			
		SpyderCrane URWO 95 Series and Fitted Trailer	\$ 109,230
		2x Leica GR30 Highline Reference Receiver	\$ 51,490
		DSR Machine, PG Asphalt Binder Testing	\$ 65,000
		DSR Machine, PG Asphalt Binder Testing	\$ 55,000
		CAT 289D Skid Steer w/Attachments	\$ 113,341
		CAT 289D Skid Steer w/Attachments	\$ 110,207
		CAT 289D Skid Steer	\$ 93,806
		CAT 289D Skid Steer	\$ 93,806
		RetroTek	\$ 160,000
		JLG Skytrak 6036 4WD boom lift	\$ 142,250
		JLG Skytrak 6036 4WD boom lift	\$ 142,250
		Scorpion II MASH Trailer Attenuator TL - 3	\$ 53,000
		Ultimate bagger/sandbag filling machine	\$ 50,500
		ETERRA Raptor boom mower cycloe rotary 48" brush cutter head attachment for Bobcat T770 skid steer	\$ 51,268
		CAT 279D3 C compact track loader	\$ 95,862
		CAT CB2.7-03 paving compaction roller	\$ 59,462
		Hyster H80FT lift truck 3.8L diesel 8000 LB capacity, Class V	\$ 79,546
		CAT 309 Excavator	\$ 145,000
		Cat 308 Mini Ex (or similar) w/thumb, buckets, counterweight, & camera	\$ 130,000
		Case TR310B TIER IV FINAL Compact Track Loader with 72" Low Profile Bucket	\$ 74,396
		Craftco Crack Sealer	\$ 115,773
		Case Compact Track Loader TV450B with VIRNIG 78" Rotary Brush Cutter and Auger Drive and 12" bit	\$ 384,561
		Polaris Ranger 570 Crew Sp side by side UTV	\$ 48,795
		Superior 30" x 60" self contained portable radial Stacker Convoy	\$ 200,000
		Subtotal	\$ 2,624,543
		Total	\$ 29,314,543

Attachment B

Cost Analysis for Vehicles greater than \$50,000

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 08a Fork Lift	1 Units	\$95,000.00	\$95,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 08a Fork Lift

Item	Description	Quantity	Rate	Total Costs
1	Class 08a Fork Lift	1200 Estimated Hours	\$9.90	\$11,875.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	1200 Estimated Hours	\$26.31	\$31,572.00
3	Department Labor Overhead		62.88%	\$19,852.47
	Estimated Average yearly Maintenance Cost of Class 08a			\$1,825.96
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$68,725.43

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$57.27

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 08a Fork Lift	1200 Estimated Hours	\$19.71	\$23,655.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	1200 Estimated Hours	\$26.31	\$31,572.00
3	Department Labor Overhead		62.88%	\$19,852.47
	Estimated Average yearly Maintenance Cost of Class 08a			\$1,825.96
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$80,505.43

Note:

Average Cost per Hour = \$67.09

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	1200 Equipment Hours	\$28.68	\$34,416.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	1200 Man Hours	\$43.73	\$52,476.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$90,092.00

Note: Without long term contract to cover initial equipment costs, equipment rate use may be too low.

Average Cost per Hour = \$75.08

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 11A Aerial Truck	1 Units	\$250,000.00	\$250,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 11A Aerial Truck

Item	Description	Quantity	Rate	Total Costs
1	Class 11A Aerial Truck	800 Estimated Hours	\$39.06	\$31,250.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11A			\$4,336.24
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$73,469.22

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$91.84**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11A Aerial Truck	800 Estimated Hours	\$77.81	\$62,250.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11A			\$4,336.24
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$104,469.22

Note:

Average Cost per Hour = **\$130.59**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$64.50	\$51,600.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$43.73	\$34,984.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$89,784.00

Note: Without long term contract to cover initial equipment costs, equipment rate usec may be too low.

Average Cost per Hour = **\$112.23**

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 11E 1 Ton Dump	7 Units	\$100,000.00	\$700,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 11E 1 Ton Dump

Item	Description	Quantity	Rate	Total Costs
1	Class 11E 1 Ton Dump	800 Estimated Hours	\$15.63	\$12,500.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11E			\$7,536.92
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$57,919.90

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$72.40

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11E 1 Ton Dump	800 Estimated Hours	\$31.13	\$24,900.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11E			\$7,536.92
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$70,319.91

Note:

Average Cost per Hour = \$87.90

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$64.50	\$51,600.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$43.73	\$34,984.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$89,784.00

Note: Without long term contract to cover initial equipment costs, equipment rate use may be too low.

Average Cost per Hour = \$112.23

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 11G Tandem Axle Side Dump W/Attenuator	1 Units	\$225,000.00	\$225,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 11G Tandem Axle Side Dump W/Attenuator

Item	Description	Quantity	Rate	Total Costs
1	Class 11G Tandem Axle Side Dump W/Attenuator	800 Estimated Hours	\$35.16	\$28,125.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11G			\$5,587.71
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$71,595.69

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$89.49

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11G Tandem Axle Side Dump W/Attenuator	800 Estimated Hours	\$70.03	\$56,025.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11G			\$5,587.71
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$99,495.69

Note:

Average Cost per Hour = \$124.37

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$64.50	\$51,600.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$43.73	\$34,984.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	Total			\$89,784.00

Note: Without long term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$112.23

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 11H 1 Ton Flat Rack	1 Units	\$100,000.00	\$100,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 11H 1 Ton Flat Rack

Item	Description	Quantity	Rate	Total Costs
1	Class 11H 1 Ton Flat Rack	800 Estimated Hours	\$15.63	\$12,500.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11H			\$6,858.19
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$57,241.17

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$71.55

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 11H 1 Ton Flat Rack	800 Estimated Hours	\$31.13	\$24,900.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 11H			\$6,858.19
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$69,641.17

Note:

Average Cost per Hour = \$87.05

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$53.58	\$42,864.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$96,320.00

Note: Without long term contract to cover initial equipment costs, equipment rate use may be too low.

Average Cost per Hour = \$120.40

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 13 Plow Truck, Sander, Front Plow, Wing Plow	16 Units	\$400,000.00	\$6,400,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 13 Plow Truck, Sander, Front Plow, Wing Plow

Item	Description	Quantity	Rate	Total Costs
1	Class 13 Plow Truck, Sander, Front Plow, Wing Plow	800 Estimated Hours	\$62.50	\$50,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 13			\$14,217.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$102,100.93

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour =

\$127.63

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 13 Plow Truck, Sander, Front Plow, Wing Plow	800 Estimated Hours	\$124.50	\$99,600.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 13			\$14,217.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$151,700.94

Note:

Average Cost per Hour =

\$189.63

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	Total			\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour =

\$160.20

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 14 Transport Tractor	2 Units	\$225,000.00	\$450,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 14 Transport Tractor

Item	Description	Quantity	Rate	Total Costs
1	Class 14 Transport Tractor	800 Estimated Hours	\$35.16	\$28,125.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 14			\$9,187.54
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$75,195.52

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$93.99

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 14 Transport Tractor	800 Estimated Hours	\$70.03	\$56,025.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 14			\$9,187.54
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$103,095.52

Note:

Average Cost per Hour = \$128.87

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$160.20

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 20 Truck Mounted Culvert Cleaner	1 Units	\$450,000.00	\$450,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 20 Truck Mounted Culvert Cleaner

Item	Description	Quantity	Rate	Total Costs
1	Class 20 Truck Mounted Culvert Cleaner	800 Estimated Hours	\$70.31	\$56,250.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 20			\$14,217.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$108,350.93

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$135.44**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 20 Truck Mounted Culvert Cleaner	800 Estimated Hours	\$140.06	\$112,050.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 20			\$14,217.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$164,150.94

Note:

Average Cost per Hour = **\$205.19**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate usec may be too low.

Average Cost per Hour = **\$160.20**

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 24 Street Sweeper	12 Units	\$400,000.00	\$4,800,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 24 Street Sweeper

Item	Description	Quantity	Rate	Total Costs
1	Class 24 Street Sweeper	800 Estimated Hours	\$62.50	\$50,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 24			\$12,192.15
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$100,075.13

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$125.09**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 24 Street Sweeper	800 Estimated Hours	\$124.50	\$99,600.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 24			\$12,192.15
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$149,675.13

Note:

Average Cost per Hour = **\$187.09**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = **\$160.20**

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 31 Motor Grader	2 Units	\$350,000.00	\$700,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 31 Motor Grader

Item	Description	Quantity	Rate	Total Costs
1	Class 31 Motor Grader	800 Estimated Hours	\$54.69	\$43,750.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 31			\$5,439.18
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$87,072.16

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$108.84

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 31 Motor Grader	800 Estimated Hours	\$108.94	\$87,150.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 31			\$5,439.18
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$130,472.17

Note:

Average Cost per Hour = \$163.09

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$174.56	\$139,648.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$193,104.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$241.38

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 35 Loader	18 Units	\$200,000.00	\$3,600,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 35 Loader

Item	Description	Quantity	Rate	Total Costs
1	Class 35 Loader	800 Estimated Hours	\$31.25	\$25,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 35			\$5,556.11
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$68,439.09

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$85.55

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 35 Loader	800 Estimated Hours	\$62.25	\$49,800.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 35			\$5,556.11
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$93,239.09

Note:

Average Cost per Hour = \$116.55

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$160.20

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 37 Radial Staker 30X60	2 Units	\$200,000.00	\$400,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 37 Radial Staker 30X60

Item	Description	Quantity	Rate	Total Costs
1	Class 37 Radial Staker 30X60	800 Estimated Hours	\$31.25	\$25,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 37			\$4,263.36
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$67,146.34

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$83.93

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 37 Radial Staker 30X60	800 Estimated Hours	\$62.25	\$49,800.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 37			\$4,263.36
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$91,946.34

Note:

Average Cost per Hour = \$114.93

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate usec may be too low.

Average Cost per Hour = \$160.20

**ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 45 Pneumatic Roller	2 Units	\$125,000.00	\$250,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 45 Pneumatic Roller

Item	Description	Quantity	Rate	Total Costs
1	Class 45 Pneumatic Roller	800 Estimated Hours	\$19.53	\$15,625.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 45			\$2,643.87
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$56,151.85

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$70.19**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 45 Pneumatic Roller	800 Estimated Hours	\$38.91	\$31,125.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 45			\$2,643.87
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$71,651.85

Note:

Average Cost per Hour = **\$89.56**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = **\$160.20**

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 55 D6 Caterpillar Dozer	1 Units	\$400,000.00	\$400,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 55 D6 Caterpillar Dozer

Item	Description	Quantity	Rate	Total Costs
1	Class 55 D6 Caterpillar Dozer	800	Estimated Hours	\$62.50
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800	Estimated Hours	\$26.31
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 55			\$4,344.50
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$92,227.48

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$115.28

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 55 D6 Caterpillar Dozer	800	Estimated Hours	\$124.50
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800	Estimated Hours	\$26.31
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 55			\$4,344.50
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$141,827.48

Note:

Average Cost per Hour = \$177.28

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800	Equipment Hours	\$93.38
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800	Man Hours	\$62.82
3	Department Contract Administration			
	Procurement and Contract Management	40	Man Hours	\$40.00
	Quality Management	40	Man Hours	\$40.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$160.20

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 60-1 30 Ton Tilt Trailer	2 Units	\$60,000.00	\$120,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 60-1 30 Ton Tilt Trailer

Item	Description	Quantity	Rate	Total Costs
1	Class 60-1 30 Ton Tilt Trailer	800 Estimated Hours	\$9.38	\$7,500.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 60-1			\$2,133.25
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$47,516.23

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$59.40**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 60-1 30 Ton Tilt Trailer	800 Estimated Hours	\$18.68	\$14,940.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 60-1			\$2,133.25
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$54,956.23

Note:

Average Cost per Hour = **\$68.70**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$49.56	\$39,648.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$93,104.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = **\$116.38**

**ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 60-2 50 Ton Tilt Trailer	1 Units	\$200,000.00	\$200,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 60-2 50 Ton Tilt Trailer

Item	Description	Quantity	Rate	Total Costs
1	Class 60-2 50 Ton Tilt Trailer	800 Estimated Hours	\$31.25	\$25,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 60-2			\$2,133.25
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$65,016.23

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$81.27

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 60-2 50 Ton Tilt Trailer	800 Estimated Hours	\$62.25	\$49,800.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 60-2			\$2,133.25
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$89,816.23

Note:

Average Cost per Hour = \$112.27

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$49.56	\$39,648.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$93,104.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$116.38

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 70A Drill Rig CV60 Chassis	1 Units	\$200,000.00	\$200,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 70A Drill Rig CV60 Chassis

Item	Description	Quantity	Rate	Total Costs
1	Class 70A Drill Rig CV60 Chassis	800 Estimated Hours	\$31.25	\$25,000.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 70A			\$11,378.51
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$74,261.49

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = \$92.83

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 70A Drill Rig CV60 Chassis	800 Estimated Hours	\$62.25	\$49,800.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 70A			\$11,378.51
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$99,061.50

Note:

Average Cost per Hour = \$123.83

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = \$160.20

**ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 77 Freeway Line Striper	5 Units	\$750,000.00	\$3,750,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 77 Freeway Line Striper

Item	Description	Quantity	Rate	Total Costs	
1	Class 77 Freeway Line Striper	800	Estimated Hours	\$117.19	\$93,750.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800	Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead			62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 77				\$40,554.64
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)				\$3,600.00
				Total	\$172,187.62

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$215.23**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs	
1	Class 77 Freeway Line Striper	800	Estimated Hours	\$233.44	\$186,750.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800	Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead			62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 77				\$40,554.64
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)				\$3,600.00
				Total	\$265,187.63

Note:

Average Cost per Hour = **\$331.48**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs	
1	Equipment Blue Book Rental Rate for Unit	800	Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800	Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration				
	Procurement and Contract Management	40	Man Hours	\$40.00	\$1,600.00
	Quality Management	40	Man Hours	\$40.00	\$1,600.00
				Total	\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate usec may be too low.

Average Cost per Hour = **\$160.20**

**ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS**

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 82 ICC Pavement Mgmt Stress System with ride van	1 Units	\$910,000.00	\$910,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 82 ICC Pavement Mgmt Stress System with ride van

Item	Description	Quantity	Rate	Total Costs
1	Class 82 ICC Pavement Mgmt Stress System with ride van	800 Estimated Hours	\$142.19	\$113,750.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 82			\$40,554.64
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$192,187.62

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$240.23**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 82 ICC Pavement Mgmt Stress System with ride van	800 Estimated Hours	\$283.24	\$226,590.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 82			\$40,554.64
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
	Total			\$305,027.63

Note:

Average Cost per Hour = **\$381.28**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
	Total			\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = **\$160.20**

ATTACHMENT B
NDOT MOBILE EQUIPMENT REQUEST - COSTS AND BENEFITS ANALYSIS

Date: 8/23/2023

Equipment	Quantity	Price	Total Costs
Class 83 Aspen A-75 Under Bridge Inspection Truck	1 Units	\$1,225,000.00	\$1,225,000.00

FUNDING: FY 2024 Equipment - Category 05

(1) Costs for Purchasing Equipment, Operating and Maintaining

NDOT EQUIPMENT COSTS - STRAIGHT-LINE DEPRECIATION FOR 8 YEARS AND ESTIMATED MAINTENANCE COSTS:

Task: Class 83 Aspen A-75 Under Bridge Inspection Truck

Item	Description	Quantity	Rate	Total Costs
1	Class 83 Aspen A-75 Under Bridge Inspection Truck	800 Estimated Hours	\$191.41	\$153,125.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 83			\$44,174.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$235,182.93

Note: Unit Hourly Rate calculated by dividing purchase price by 8 years worth of annual hours:

Average Cost per Hour = **\$293.98**

(2) Costs for Leasing, Operating and Maintaining

COSTS FOR LEASING THE EQUIPMENT TO DO THE SAME TASK PLUS NDOT MAINTENANCE COST:

Item	Description	Quantity	Rate	Total Costs
1	Class 83 Aspen A-75 Under Bridge Inspection Truck	800 Estimated Hours	\$381.28	\$305,025.00
2	Labor related to the Task (Hwy Maintenance Worker III 29-05)	800 Estimated Hours	\$26.31	\$21,048.00
3	Department Labor Overhead		62.88%	\$13,234.98
	Estimated Average yearly Maintenance Cost of Class 83			\$44,174.95
	Estimated Average yearly fuel cost (12,000 mi / 12 mpg)			\$3,600.00
Total				\$387,082.93

Note:

Average Cost per Hour = **\$483.85**

(3) Costs for CONTRACTING for the performance of the work which would have been performed using the mobile equipment

COSTS FOR CONTRACTING OUT THE TASK:

Item	Description	Quantity	Rate	Total Costs
1	Equipment Blue Book Rental Rate for Unit	800 Equipment Hours	\$93.38	\$74,704.00
2	Equipment Operator w/ all benefits (Operating Engineer 1A PW)	800 Man Hours	\$62.82	\$50,256.00
3	Department Contract Administration			
	Procurement and Contract Management	40 Man Hours	\$40.00	\$1,600.00
	Quality Management	40 Man Hours	\$40.00	\$1,600.00
Total				\$128,160.00

Note: Without long-term contract to cover initial equipment costs, equipment rate used may be too low.

Average Cost per Hour = **\$160.20**



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MEMORANDUM

August 30, 2023

TO: Department of Transportation Board of Directors

FROM: Tracy Larkin Thomason, P.E., Director

SUBJECT: September 11, 2023 | Transportation Board of Directors Meeting

ITEM # 20: Contracts, Agreements, and Settlements/Judgments—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 July 14, 2023, through August 10, 2023.
- Agreements under \$300,000 executed July 14, 2023, through August 10, 2023.
- Settlements/Judgments which were presented for approval to the Board of Examiners July 14, 2023, through August 10, 2023.

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 “execute or approve all instruments and documents in the name of the State or Department necessary to carry out the provisions of the chapter”. Additionally, the Director may execute all contracts necessary to carry out the provisions of Chapter 408 of NRS with the approval of the board, except those construction contracts that must be executed by the chairman of the board. Other contracts or agreements not related to the construction, reconstruction, improvement and maintenance of highways must be presented to and approved by the Board of Examiners. This item is intended to inform the Board of various matters relating to the Department of Transportation but which do not require any formal action by the Board.

The Department contracts for services relating to the construction, operation and maintenance of the State’s multi-modal transportation system. Contracts listed in this item are all low-bid per statute and executed by the Governor in his capacity as Board Chairman. The projects are part of the STIP document

MEMORANDUM

Department of Transportation Board of Directors

August 30, 2023

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approved by the Board. In addition, the Department negotiates settlements/judgments with contractors, property owners, and other parties to resolve disputes. These proposed settlements/judgments 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 July 14, 2023, through August 10, 2023, and agreements executed by the department from July 14, 2023, through August 10, 2023. 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, July 14, 2023, through August 10, 2023.
- B. State of Nevada Department of Transportation Executed Agreements – Informational, July 14, 2023, through August 10, 2023.

Recommendation for Board Action:

Informational item only

Prepared by:

Administrative Services Division

**STATE OF NEVADA DEPARTMENT OF TRANSPORTATION
CONTRACTS AWARDED – INFORMATIONAL
July 14, 2023, through August 10, 2023**

1. June 29, 2023, at 1:30 PM, the following bids were opened for Contract **3993**, Project No. SPF-50A-1(009), on US 50A, in Churchill and Lyon Counties, for chip seal.

Sierra Nevada Construction, Inc.....	\$3,864,007.00
Intermountain Slurry Seal, Inc.....	\$3,886,486.20
VSS International, Inc.....	\$4,114,120.00

Engineer's Estimate.....\$3,187,515.65

The Director awarded the contract on July 17, 2023, to Sierra Nevada Construction, Inc., in the amount of \$3,864,007.00.

2. June 29, 2023, at 2:00 PM, the following bids were opened for Contract **3994**, Project No. SPF-095-5(036), on US 95, in Churchill County, for chip seal.

Sierra Nevada Construction, Inc.....	\$1,064,007.00
VSS International, Inc.....	\$1,266,120.00
Intermountain Slurry Seal, Inc.....	\$1,292,782.20

Engineer's Estimate.....\$1,013,411.13

The Director awarded the contract on July 17, 2023, to Sierra Nevada Construction, Inc., in the amount of \$1,064,007.00.

3. June 29, 2023, at 2:30 PM, bid proposals were opened for Contract **829-23**, Project No. SPSR-0431(023), on SR 431, Mt. Rose Summit, in Washoe County, to install a GAZEX Avalanche Control System. No bid was received. Pursuant to NRS 338.1385(7), a notice was posted on July 19, 2023, notifying interested parties the contract may be awarded without further bidding. Facilities Management, Inc. submitted a proposal in response to the notice.

Facilities Management, Inc.....	\$1,820,940.00
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Engineer's Estimate.....\$950,000.00

The Director awarded the contract on August 10, 2023, to Facilities Management, Inc., in the amount of \$1,820,940.00.

State of Nevada Department of Transportation
Executed Agreements - Informational
July 14, 2023 through August 10, 2023

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	36723	00	REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA	DISADVANTAGED BUSINESS ENTERPRISE (DBE)/SMALL BUSINESS ENTERPRISE (SBE) DEVELOPMENT	N	\$24,000.00	-	-	\$24,000.00	-	07/19/2023	06/30/2024	-	Cooperative	Director's Office	Darin	Ryan	07-19-23: DELIVERY OF A SHARED MESSAGE TO ADVOCACY GROUPS AND AGENCIES TO HELP DEVELOP SMALL BUSINESS AND DISADVANTAGED BUSINESS ENTITIES IN TRANSPORTATION, AND LEVERAGE OUTREACH RESOURCES, CLARK COUNTY. NV B/L#: EXEMPT
2	35923	00	NEVADA DIVISION OF NATURAL HERITAGE	DEPARTMENT PROJECT DATA	N	\$1,653,273.00	-	-	\$1,653,273.00	-	07/19/2023	06/30/2025	-	Cooperative	Environmental	Sajid	My-Linh	07-19-23: CONTINUATION OF A LONG-TERM ARRANGEMENT BETWEEN THE DEPARTMENT AND THE NEVADA DIVISION OF NATURAL HERITAGE (NDNH) TO PROVIDE AN INDEPENDENT, SCIENTIFICALLY RIGOROUS, AND UNBIASED SOURCE OF BIOLOGICAL AND CONSERVATION INFORMATION ON SENSITIVE PLANTS AND ANIMALS AS THEY RELATE TO DEPARTMENT PROJECTS, STATEWIDE. NV B/L#: EXEMPT
3	36223	00	HOLCIM-SWR, INC.	MILL AND FILL	N	\$201,267.36	-	-	\$201,267.36	-	06/06/2023	09/30/2023	-	Emergency	District I	Jeff	Mario	06-06-23: MILL AND FILL WITH THE PROPER LAYERS OF BITUMINOUS PLANTMIX, TO BE BROUGHT UP TO EXISTING FINISH GRADE AT STATE ROUTE (SR) 564 FROM MILE POST (MP) 6 TO MP 7, CLARK COUNTY. NV B/L#: NVD19701000737-E
4	37523	00	LAS VEGAS PAVING CORPORATION	VOID REPAIR	N	\$26,750.19	-	-	\$26,750.19	-	04/28/2023	12/31/2023	-	Emergency	District I	Jeff	Mario	04-28-23: EMERGENCY AGREEMENT TO IDENTIFY, REMEDIATE, AND RESTORE VOID LOCATED ON THE NORTHBOUND RIGHT TURN LANE OF STATE ROUTE (SR) 612 NELLIS BOULEVARD TO SR 582 BOULDER HIGHWAY, CLARK COUNTY. NV B/L#: NVD19581000650-E
5	29423	00	NV ENERGY	DESIGN INITIATION AGREEMENT	Y	\$1,000.00	-	-	\$1,000.00	-	07/24/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-24-23: RESEARCH AND DESIGN OF THE NEW SERVICE FOR THE DEPARTMENT'S PROJECT LOCATED AT 5560 SOUTH CARSON STREET, CARSON CITY COUNTY. NV B/L#: NVD19831015840
6	29523	00	NV ENERGY	DESIGN INITIATION AGREEMENT	Y	\$1,000.00	-	-	\$1,000.00	-	07/19/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-19-23:RESEARCH AND DESIGN OF THE NEW SERVICE FOR THE DEPARTMENT'S PROJECT LOCATED AT 2599 NORTH HIGHWAY 395, DOUGLAS COUNTY. NV B/L#: NVD19831015840
7	29623	00	NV ENERGY	DESIGN INITIATION AGREEMENT	Y	\$1,000.00	-	-	\$1,000.00	-	07/24/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-24-23: RESEARCH AND DESIGN OF THE NEW SERVICE FOR THE DEPARTMENT'S PROJECT LOCATED AT 3636U NORTH HIGHWAY 395, DOUGLAS COUNTY. NV B/L#: NVD19831015840
8	29723	00	NV ENERGY	DESIGN INITIATION AGREEMENT	Y	\$1,000.00	-	-	\$1,000.00	-	07/21/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-21-23: RESEARCH AND DESIGN OF THE NEW SERVICE FOR THE DEPARTMENT'S PROJECT LOCATED AT 3499U NORTH HWY 395, DOUGLAS COUNTY. NV B/L#: NVD19831015840
9	38223	00	SOUTHWEST GAS CORPORATION	PRELIMINARY ENGINEERING	Y	\$15,104.00	-	-	\$15,104.00	-	07/21/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-21-23: THIS PRELIMINARY ENGINEERING AGREEMENT WILL ALLOW REIMBURSEMENT OF COMPENSABLE COSTS INCURRED BY SOUTHWEST GAS TO RELOCATE FACILITIES CURRENTLY IN CONFLICT WITH THE DEPARTMENT'S HENDERSON INTERCHANGE IMPROVEMENTS PROJECT WHICH IS CONSTRUCTING A NEW ON RAMP FROM LAKE MEAD PARKWAY WEST TO INTERSTATE 11 (I-11) SOUTH, CLARK COUNTY. NV B/L#: NVF19571000091
10	29223	00	TOWN OF TONOPAH	UTILITY ADJUSTMENT	Y	\$50,000.00	-	-	\$50,000.00	-	07/18/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-18-23: ADJUSTMENT AND/OR RELOCATION BY DEPARTMENT'S CONTRACTOR OF A COMPENSABLE UTILITIES FACILITY OUT OF CONFLICT WITH DEPARTMENT'S PROJECT WITHIN THE US-95/US-6 RIGHT-OF-WAY, NYE COUNTY. NV B/L#: EXEMPT
11	29323	00	TOWN OF TONOPAH	UTILITY ADJUSTMENT	Y	\$50,000.00	-	-	\$50,000.00	-	07/17/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-17-23: ADJUSTMENT AND/OR RELOCATION BY THE DEPARTMENT'S CONTRACTOR OF A COMPENSABLE UTILITIES FACILITY OUT OF CONFLICT WITH DEPARTMENT'S PROJECT WITHIN THE US-95/US-6 RIGHT-OF-WAY, NYE COUNTY. NV B/L#: EXEMPT
12	38123	00	TOWN OF TONOPAH	UTILITY ADJUSTMENT	N	\$5,000.00	-	-	\$5,000.00	-	07/24/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-24-23: ADJUSTMENT AND RECONSTRUCTION OF A TOWN OF TONOPAH PUBLIC UTILITIES METER VALVE VAULT, LOCATED ALONG ROUTE US 6/US 95, IN THE DRIVEWAY APPROACH TO THE MOUNTAIN VIEW APARTMENTS, NYE AND ESMERALDA COUNTIES. NV B/L#: EXEMPT
13	34523	00	A&I ENTERPRISES, LLC	LEASE FOR CREW 918	N	\$7,560.00	-	-	\$7,560.00	-	06/01/2023	12/31/2023	-	Lease	District III	Jeff	Sami	06-01-23: OFFICE SPACE LEASE FOR CREW 918 IN WENDOVER, ELKO COUNTY. NV B/L#: NVD20081001336
14	49522	00	CORE WEST DBA CORE CONSTRUCTION	PRE-CONSTRUCTION SERVICES	N	\$150,060.00	-	-	\$150,060.00	-	07/16/2023	12/31/2027	-	Service Provider	Architecture	Janica	Anita	07-16-23: PRE-CONSTRUCTION SERVICES FOR THE NORTH LAS VEGAS MAINTENANCE STATION NEW ADMINISTRATION BUILDING LOCATED AT 123 EAST WASHINGTON AVENUE, CLARK COUNTY. NV B/L#: NVD19861002524-CMAR PROPOSERS: BURKE CONSTRUCTION GROUP, CORE WEST INC DBA CORE CONSTRUCTION, MARTIN-HARRIS CONSTRUCTION, THE KORTE COMPANY AND THE WHITING-TURNER CONTRACTING COMPANY
15	35323	00	RK CONTRACTORS, INC.	REMOVE TREES, BUSHES, WEEDS	N	\$4,286.00	-	-	\$4,286.00	-	08/08/2023	12/31/2023	-	Service Provider	Architecture	Janica	Anita	08-08-23: REMOVAL OF TREES, BUSHES, AND ALL WEEDS FROM AROUND THE PUMP STATION AT WASHOE LAKE, WASHOE COUNTY. NV B/L#: NVD20081448402-SQ

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
16	07220	01	BRIGHT CLEANING SERVICE, LLC	JANITORIAL SERVICES	N	\$179,808.00	\$55,000.00	\$50,000.00	\$284,808.00	-	08/30/2020	12/31/2023	08/07/2023	Service Provider	District I	Jeff	Mario	A AMD 1 08-07-23: INCREASE AUTHORITY BY \$50,000.00 FROM \$234,808.00 TO \$284,808.00 DUE TO THE NEED FOR CONTINUED SERVICES. 07-20-23: THIS AGREEMENT "A" IS TO REVIVE THE ORIGINAL AGREEMENT DUE TO THE AGREEMENT EXPIRING PRIOR TO THE COMPLETION OF SERVICES AND EXTEND THE TERMINATION DATE FROM 06-30-23 TO 12-31-23. AMD 1 11-14-22: INCREASE AUTHORITY BY \$55,000.00 FROM \$179,808.00 TO \$234,808.00 AND EXTEND THE TERMINATION DATE FROM 02-28-23 TO 06-30-23 DUE TO UTILIZATION OF THE ORIGINAL BUDGET, WHICH OCCURED WITH THE EXPANDED CLEANING SERVICES REQUIRED DURING THE COVID-19 PANDEMIC AS WELL AS THE NEED TO CONTINUE JANITORIAL SERVICES. 08-30-20: JANITORIAL SERVICES FOR 123 E WASHINGTON BOULEVARD, CLARK COUNTY. NV B/L#: NVD20161746014-Q
17	54320	01	BRIGHT CLEANING SERVICE, LLC	JANITORIAL SERVICES	N	\$46,680.00	\$20,000.00	\$20,000.00	\$86,680.00	-	01/14/2021	12/31/2023	08/07/2023	Service Provider	District I	Jeff	Mario	A AMD 1 08-07-23: INCREASE AUTHORITY BY \$20,000.00 FROM \$66,680.00 TO \$86,680.00 DUE TO THE NEED FOR CONTINUED SERVICES. 07-20-23: THIS AGREEMENT "A" IS TO REVIVE THE ORIGINAL AGREEMENT DUE TO THE AGREEMENT EXPIRING PRIOR TO THE COMPLETION OF SERVICES AND EXTEND THE TERMINATION DATE FROM 06-30-23 TO 12-31-23. AMD 1 11-4-22: INCREASE AUTHORITY BY \$20,000.00 FROM \$46,680.00 TO \$66,680.00 DUE TO AN ERROR IN THE ORIGINAL FUNDING REQUEST. 01-14-21: PROVIDE JANITORIAL SERVICES FOR VARIOUS CREW TRAILERS, CLARK COUNTY. NV B/L#: NVD20161746014-Q
18	46523	00	INNOVATIVE FLOORING, LLC	REPLACE CARPETING	N	\$6,814.12	-	-	\$6,814.12	-	08/03/2023	06/30/2024	-	Service Provider	District I	Jeff	Mario	08-03-23: REPLACEMENT OF HIGH TRAFFIC AREA CARPETING IN BUILDING A AT THE NORTH MAJOR (WASHINGTON) MAINTENANCE STATION, CLARK COUNTY. NV B/L#: NVD20191564522-SQ
19	46623	00	INNOVATIVE FLOORING, LLC	REPLACE RESTROOM FLOORING	N	\$5,867.47	-	-	\$5,867.47	-	08/03/2023	06/30/2024	-	Service Provider	District I	Jeff	Mario	08-03-23: REPLACEMENT OF RESTROOM FLOORING IN TRAILERS Q1, Q2, AND Q3 AT THE NORTH MAJOR (WASHINGTON) MAINTENANCE STATION, CLARK COUNTY. NV B/L# NVD20191564522-SQ
20	37323	00	P1 GROUP, INC.	INSTALL HEATING, VENTILATION AND AIR CONDITIONING SYSTEM	N	\$42,032.38	-	-	\$42,032.38	-	07/28/2023	12/31/2024	-	Service Provider	District I	Jeff	Mario	07-28-23: INSTALLATION OF A HEATING, VENTILATION AND AIR CONDITIONING SYSTEM IN THE BUILDING E SATELLITE RECEIVING OFFICE AT THE NORTH MAJOR (WASHINGTON) MAINTENANCE STATION, CLARK COUNTY. NV B/L#: NVF20071322625-SQ
21	05920	04	ANNIE'S JANITORIAL	JANITORIAL SERVICES	N	\$205,500.00	\$120,115.85	\$47,162.64	\$372,778.49	-	05/14/2020	12/31/2023	07/17/2023	Service Provider	District II	Jeff	Mike	AMD 4 07-17-23: INCREASE AUTHORITY BY \$47,162.64 FROM \$325,615.85 TO \$372,778.49 AND EXTEND THE TERMINATION DATE FROM 07-31-23 TO 12-31-23 DUE TO THE NEED FOR CONTINUED SERVICES. AMD 3 03-13-23: INCREASE AUTHORITY BY \$39,282.20 FROM \$286,333.65 TO \$325,615.85 AND EXTEND THE TERMINATION DATE FROM 03-31-23 TO 07-31-23 DUE TO THE NEED FOR CONTINUED SERVICES. AMD 2 12-27-22: INCREASE AUTHORITY BY \$29,461.65 FROM \$256,872.00 TO \$286,333.65 AND EXTEND TERMINATION DATE FROM 12-31-22 TO 03-31-23 DUE TO THE NEED FOR CONTINUED SERVICES. AMD 1 07-14-22: INCREASE AUTHORITY BY \$51,372.00 FROM \$205,500.00 TO \$256,872.00 DUE TO THE NEED FOR CONTINUED SERVICES. 05-14-20: JANITORIAL SERVICES AT THE DISTRICT II AND EQUIPMENT OFFICES, WASHOE COUNTY. NV B/L#: NVD20131145514-Q
22	61819	02	BUCKEYE CONSTRUCTION, INC.	SNOW REMOVAL SERVICES	N	\$6,000.00	\$2,000.00	\$41,220.00	\$49,220.00	-	12/26/2019	12/31/2024	08/02/2023	Service Provider	District II	Jeff	Mike	AMD 2 08-02-23: INCREASE AUTHORITY BY \$41,220.00 FROM \$8,000.00 TO \$49,220.00 AND EXTEND THE TERMINATION DATE FROM 12-31-23 TO 12-31-24 DUE TO THE NEED FOR CONTINUED SNOW REMOVAL SERVICES AND AN INCREASE IN LABOR AND EQUIPMENT. AMD 1 07-22-22: INCREASE AUTHORITY BY \$2,000.00 FROM \$6,000.00 TO \$8,000.00 FOR CONTINUED SNOW REMOVAL SERVICES. 12-26-19: SNOW REMOVAL SERVICES FOR LINCOLN PARK SUBDIVISION ON US-50, DOUGLAS COUNTY. NV B/L#: NVD20141637298-Q

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
23	37223	00	LOS ANGELES TRUCK CENTERS, LLC	REPAIR PETERBILT UNIT 2290	N	\$42,139.08	-	-	\$42,139.08	-	08/06/2023	06/05/2024	-	Service Provider	Equipment	Jenica	Wayne	08-06-23: REPAIR OF UNIT 2290, A 2007 PETERBILT MODEL 357, THAT WAS DAMAGED IN A ROLLOVER ACCIDENT, WASHOE COUNTY. NV B/L#: NVF20011001977-Q PROPOSERS: LOS ANGELES TRUCK CENTERS, LLC AND SILVER STATE INTERNATIONAL
24	37423	00	LOS ANGELES TRUCK CENTERS, LLC	REPAIR WESTERN STAR UNIT 1341	N	\$32,148.88	-	-	\$32,148.88	-	07/31/2023	06/05/2024	-	Service Provider	Equipment	Jenica	Wayne	07-31-23: REPAIR OF UNIT 1341, A 2019 WESTERN STAR 4900 FA, THAT WAS DAMAGED IN A ROLLOVER ACCIDENT, WASHOE COUNTY. NV B/L#: NVF20011001977-Q PROPOSERS: LOS ANGELES TRUCK CENTERS, LLC AND SILVER STATE INTERNATIONAL
25	36923	00	ASSOCIATED GENERAL CONTRACTORS	CONSTRUCTION WORKFORCE EFFORTS	N	\$201,600.00	-	-	\$201,600.00	-	07/25/2023	06/30/2027	-	Service Provider	External Civil Rights	Darin	Sonny	07-25-23: FORMALIZE, DEVELOP, AND COORDINATE CONSTRUCTION WORKFORCE DEVELOPMENT EFFORTS IN NORTHERN NEVADA, CARSON CITY, WASHOE, HUMBOLDT, ELKO, PERSHING, LANDER, EUREKA, WHITE PINE, CHURCHILL, STOREY, LYON, AND DOUGLAS COUNTIES. NV B/L#: EXEMPT-S
26	38623	00	ASSOCIATED GENERAL CONTRACTORS	DISADVANTAGED BUSINESS ENTERPRISE (DBE)/SMALL BUSINESS ENTERPRISE (SBE) TRAINING	N	\$255,000.00	-	-	\$255,000.00	-	07/25/2023	06/30/2026	-	Service Provider	External Civil Rights	Darin	Sonny	07-25-23: PROVISION OF SERVICES TO PROVIDE DISADVANTAGED BUSINESS ENTERPRISE (DBE)/SMALL BUSINESS ENTERPRISE (SBE) TRAINING AND AUGMENT THE DEPARTMENTS TRAINING REQUIREMENTS IN NORTHERN NEVADA, CARSON CITY, WASHOE, HUMBOLDT, ELKO, PERSHING, LANDER, EUREKA, WHITE PINE, CHURCHILL, STOREY, LYON AND DOUGLAS COUNTIES. NV B/L#: EXEMPT-S
27	31923	00	NU SOLUTIONS CONSULTING	CLOUD HOSTING OF PRIMAVERA P6	N	\$21,050.00	-	-	\$21,050.00	-	07/18/2023	06/30/2024	-	Service Provider	Information Services	Felicia	Jeramie	07-18-23: CLOUD HOSTING OF PRIMAVERA P6 FROM OUTDATED PREM SERVERS TO SERVICE PROVIDER'S CLOUD PLATFORM, CARSON CITY. NV B/L: EXEMPT-S
28	32423	00	AFFORDABLE STRIPING & SEALING, LLC	ASPHALT COATING TESTING	N	\$48,225.00	-	-	\$48,225.00	-	07/19/2023	12/31/2023	-	Service Provider	Maintenance and Asset Management	Jenica	Anita	07-19-23: APPLICATION AND TESTING OF COMMERCIALY AVAILABLE ASPHALT COATINGS AND THEIR EFFECTIVENESS IN THE MITIGATION OF HEAT ISLAND EFFECT AS PART OF THE COOL PAVEMENT PROJECT FOR COMPARISON PURPOSES, CLARK COUNTY. NV B/L#: NVD20061786907-SQ
29	35823	00	PAVEMENT TECHNOLOGY, INC.	ASPHALT COATING TESTING	N	\$20,000.00	-	-	\$20,000.00	-	07/17/2023	12/31/2023	-	Service Provider	Maintenance and Asset Management	Jenica	Anita	07-17-23: APPLICATION AND TESTING OF COMMERCIALY AVAILABLE ASPHALT COATINGS AND THEIR EFFECTIVENESS IN THE MITIGATION OF HEAT ISLAND EFFECT AS PART OF THE COOL PAVEMENT PROJECT FOR COMPARISON PURPOSES, CLARK COUNTY. NV B/L#: NVF20232843642-SQ
30	34223	00	PAVEMENT COATINGS CO.	ASPHALT COATING TESTING	N	\$46,359.00	-	-	\$46,359.00	-	07/19/2023	12/31/2023	-	Service Provider	Maintenance and Asset Management	Jenica	Anita	07-19-23: APPLICATION AND TESTING OF COMMERCIALY AVAILABLE ASPHALT COATINGS AND THEIR EFFECTIVENESS IN THE MITIGATION OF HEAT ISLAND EFFECT AS PART OF THE COOL PAVEMENT PROJECT FOR COMPARISON PURPOSES, CLARK COUNTY. NV B/L#: NVF20141402533-SQ

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
31	12919	01	CARSON AREA METROPOLITAN PLANNING ORGANIZATION, TAHOE REGIONAL PLANNING AGENCY, REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY, REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA	ROLES AND RESPONSIBILITIES OF MAP-21	N	-	-	-	-	-	03/27/2019	10/01/2026	07/25/2023	Cooperative	Performance Analysis	Sondra	Mark	AMD 1 07-25-23: NO COST AMENDMENT TO REFLECT GENERIC DATES AND SUMMARIZE CURRENT DATES AND DEADLINES FOR THE SPECIFIC PERFORMANCE MEASURE. 03-27-19: AGREEMENT TO DEFINE RESPONSIBILITIES BETWEEN THE METROPOLITAN PLANNING ORGANIZATIONS (MPO) AND THE DEPARTMENT IN MEETING THE REQUIREMENT OF MAP-21 PERFORMANCE TARGET SETTING AND REPORTING, STATEWIDE. NV B/L#: EXEMPT
32	38323	00	COX COMMUNICATIONS	OCCUPANCY PERMIT	N	-	-	-	-	-	07/24/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-24-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE STATE'S RIGHT-OF-WAY UNDER PERMIT 217021 ON STATE ROUTE (SR) 612, FROM MILE POST (MP) 38.62 TO MP 38.64, CLARK COUNTY. NV B/L#: NVF19981315619
33	41022	00	COX COMMUNICATIONS	OCCUPANCY PERMIT	N	-	-	-	-	-	08/23/2022	08/31/2027	-	Facility	Right-of-Way	Sajid	Craig	08-23-22: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE STATE'S RIGHT-OF-WAY UNDER PERMIT 215608, STATE ROUTE (SR) 612 MILE POST (MP) 39.81 TO MP 39.86, CLARK COUNTY. NV B/L#: NVF19981315619
34	38923	00	FATBEAM, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	07/27/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-27-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE DEPARTMENT'S RIGHT-OF-WAY UNDER PERMIT 216450, US-50 MILE POST (MP) 12.44 TO MP 13.52, CARSON CITY COUNTY. NV B/L#: NVF20151664076
35	38423	00	MCIMETRO ACCESS TRANSMISSION SERVICES, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	07/26/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-26-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE DEPARTMENT'S RIGHT-OF-WAY UNDER PERMIT 216675, STATE ROUTE (SR) 562 MILE POST (MP) 2.29 TO MP 2.91, CLARK COUNTY. NV B/L#: NVF20212202109
36	38523	00	MCIMETRO ACCESS TRANSMISSION SERVICES, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	07/26/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-26-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE DEPARTMENT'S RIGHT-OF-WAY UNDER PERMIT 216719, STATE ROUTE (SR) 604 MILE POST (MP) 40.37 TO MP 40.38, CLARK COUNTY. NV B/L#: NVF20212202109
37	38723	00	MCIMETRO ACCESS TRANSMISSION SERVICES, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	07/25/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-25-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE DEPARTMENT'S RIGHT-OF-WAY UNDER PERMIT 216802, STATE ROUTE (SR) 562 MILE POST (MP) 0.61 TO MP 0.69, CLARK COUNTY. NV B/L#: NVF20212202109
38	38823	00	MCIMETRO ACCESS TRANSMISSION SERVICES, LLC	OCCUPANCY PERMIT	N	-	-	-	-	-	07/26/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	07-26-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE DEPARTMENT'S RIGHT-OF-WAY UNDER PERMIT 216881, STATE ROUTE (SR) 445 MILE POST (MP) 2.73 TO MP 3.69, WASHOE COUNTY. NV B/L#: NVF20212202109
39	29123	00	NV ENERGY	DESIGN APPROVAL AGREEMENT	N	-	-	-	-	-	07/14/2023	07/31/2028	-	Facility	Right-of-Way	Sajid	Craig	07-14-23: NO COST AGREEMENT DESIGN APPROVAL TO FORMALIZE DEPARTMENT'S APPROVAL OF UTILITY'S DESIGN TO PROVIDE POWER FOR PLANNED PROJECT IMPROVEMENTS AT THE LOVELOCK MAINTENANCE YARD, PERSHING COUNTY. NV B/L#: NVD19831015840
40	39023	00	NV ENERGY	DESIGN INITIATION AGREEMENT	N	-	-	-	-	-	08/01/2023	08/31/2028	-	Facility	Right-of-Way	Sajid	Craig	08-01-23: NO COST AGREEMENT FOR THE RESEARCH AND DESIGN OF THE NEW SERVICE FOR THE DEPARTMENT'S IMPROVEMENT PROJECT LOCATED AT I-80 BEOWAWE REST AREA, EUREKA COUNTY. NV B/L#: NVD19831015840
41	39123	00	OREGON IDAHO UTILITIES	OCCUPANCY PERMIT	N	-	-	-	-	-	08/03/2023	09/30/2023	-	Facility	Right-of-Way	Sajid	Craig	08-03-23: NO COST AGREEMENT TO INDEMNIFY THE STATE OF NEVADA AGAINST ANY ACTION ARISING OUT OF THE COMPANY'S USE OR OCCUPANCY OF THE STATE'S RIGHT-OF-WAY UNDER PERMIT 217069 THE ROUTE IS STATE ROUTE (SR) 292 MILE POST (MP) 67.91 TO MP 68.52, HUMBOLDT COUNTY. NV B/L#: EXEMPT
42	31323	00	UPRISE, LLC	ELKO INTELLIGENT TRAFFIC SYSTEM (ITS) TELECOMMUNICATIONS	N	\$1,640.97	-	-	-	\$1,640.97	07/18/2023	06/01/2043	-	Facility	Traffic Operations	Jenica	Rod	07-18-23: NO COST AGREEMENT LOCATION SPECIFIC AGREEMENT TO GRANT THE SERVICE PROVIDER ACCESS TO THE DEPARTMENTS INTELLIGENT TRAFFIC SYSTEM (ITS) COMMUNICATIONS BUILDING LOCATED IN WEST WENDOVER, AS WELL AS RENTING RACK SPACE IN THE BUILDING TO THE SECOND PARTY, ELKO COUNTY. NV B/L#: NVD20191616795
43	24023	00	CLARK COUNTY	CLARK COUNTY TRAFFIC SIGNALS	N	-	-	-	-	-	07/14/2023	07/14/2075	-	Interlocal	District I	Jeff	Mario	07-14-23: NO COST AGREEMENT TO ESTABLISH ROLES AND RESPONSIBILITIES FOR OWNERSHIP, MAINTENANCE, OPERATION, AND REPAIR OF SPECIFIC TRAFFIC CONTROL AND SAFETY SYSTEMS ON ALL DEPARTMENT ROADWAYS WITHIN THE AGENCY BOUNDARIES, CLARK COUNTY. NV BL #: EXEMPT

NO COST AGREEMENTS AND/OR AMENDMENTS																		
Line No.	Agreement No.	Amend No.	Contractor	Purpose	Fed	Original Agreement Amount	Total of Prior Amendments	Amendment Amount	Payable Amount	Receivable Amount	Start Date	End Date	Amend Date	Agree Type	Division	Director's Office	Division Head	Notes
44	34423	00	NYE COUNTY PUBLIC WORKS	TRAFFIC CONTROL ROLES AND RESPONSIBILITIES	N	-	-	-	-	-	08/01/2023	08/01/2075	-	Interlocal	District I	Jeff	Mario	08-01-23: NO COST AGREEMENT TO ESTABLISH ROLES AND RESPONSIBILITIES FOR OWNERSHIP, MAINTENANCE, OPERATION, AND REPAIR OF SPECIFIC TRAFFIC CONTROL AND SAFETY SYSTEMS ON ALL DEPARTMENT ROADWAYS WITHIN THE AGENCY BOUNDARIES, NYE COUNTY. NV B/L #: EXEMPT
45	34123	00	VERNON E CLARK	EMPLOYEE HOUSE LEASE	N	\$2,900.00	-	-	-	\$2,900.00	07/26/2023	07/01/2027	-	Lease	District I	Jeff	Mario	07-26-23: NO COST AGREEMENT EMPLOYEE HOUSE LEASE FOR HOUSE #4 AT THE MONTGOMERY PASS MAINTENANCE STATION, MINERAL COUNTY. NV B/L#: EXEMPT
46	34823	00	ANDREW BASS	EMPLOYEE HOUSE LEASE	N	\$4,580.00	-	-	-	\$4,580.00	07/28/2023	06/08/2027	-	Lease	District III	Jeff	Sami	07-28-23: NO COST AGREEMENT EMPLOYEE HOUSE LEASE FOR HOUSE #243 AT THE EMIGRANT PASS MAINTENANCE STATION, EUREKA COUNTY. NV B/L#: EXEMPT
47	34723	00	TOM PHENIX	EMPLOYEE HOUSE LEASE	N	\$7,900.00	-	-	-	\$7,900.00	07/28/2023	05/18/2027	-	Lease	District III	Jeff	Sami	07-28-23: NO COST AGREEMENT EMPLOYEE HOUSE LEASE FOR HOUSE #274 AT THE NORTHFORK MAINTENANCE STATION, ELKO COUNTY. NV B/L#: EXEMPT
48	46723	00	WALKER RIVER PAIUTE TRIBE	PROPERTY SITE LEASE	N	-	-	-	-	-	07/28/2023	06/30/2048	-	Lease	Traffic Operations	Jenica	Rod	07-28-23: NO COST AGREEMENT PROPERTY SITE LEASE TO INSTALL AND OPERATE A COMMUNICATIONS SITE UPON WALKER RIVER PAIUTE TRIBAL LANDS, MINERAL COUNTY. NV B/L#: EXEMPT
49	45722	01	PATRIOT ENVIRONMENTAL SERVICES, INC.	DISPLACED PERSON TRASH CLEANUP	N	\$12,000,000.00	-	-	\$12,000,000.00	-	02/13/2023	06/30/2025	07/24/2023	Service Provider	Maintenance and Asset Management	Jenica	Anita	AMD 1 07-24-23: NO COST AMENDMENT TO UPDATE THE PREVAILING WAGES ATTACHMENT FROM 2022 TO 2023 AND REVISE THE SCOPE OF SERVICES IN ACCORDANCE WITH THIS CHANGE. 02-13-23: DISPLACED PERSON AND TRASH/DEBRIS CLEANUP IN DISTRICT I, CLARK COUNTY. NV B/L#: NVF20121113271-R