



NOTICE OF MEETING

The regular meeting of the Incline Village General Improvement District Board of Trustees will be held starting at 6:00 PM on May 25, 2023 in the Boardroom, 893 Southwood Boulevard, Incline Village, Nevada.

Public comment is allowed and the public is welcome to make their public comment via telephone (the telephone number will be posted to our website on the day of the meeting). The meeting will be available for viewing at <https://livestream.com/accounts/3411104>.

A. PLEDGE OF ALLEGIANCE*

B. ROLL CALL OF TRUSTEES*

C. INITIAL PUBLIC COMMENTS - *Unless otherwise determined, the time limit shall be three (3) minutes for each person wishing to make a public comment. Unless otherwise permitted by the Chair, no person shall be allowed to speak more than once on any single agenda item. Not to include comments on General Business items with scheduled public comment. The Board of Trustees may address matters brought up during public comment at the conclusion of the comment period but may not deliberate on any non-agendized item.*

D. APPROVAL OF AGENDA *(for possible action)*

The Board of Trustees may make a motion for a flexible agenda which is defined as taking items on the agenda out of order; combining agenda items with other agenda items; removing items from the agenda; moving agenda items to an agenda of another meeting, or voting on items in a block -OR- the Board of Trustees may make a motion to accept and follow the agenda as submitted/posted.

E. REPORTS TO THE BOARD - Reports are intended to inform the Board and/or the public.

1. Fiscal Year 2022/2023 - 3rd Quarter Budget Update (Requesting Staff Member: Director of Finance Paul Navazio) – pages 6 - 56
2. Fiscal Year 2022/2023 - 3rd Quarter CIP Popular Status Report (Requesting Staff Member: Director of Finance Paul Navazio) – pages 57 - 65

F. CONSENT CALENDAR (for possible action)

1. **SUBJECT:** Review, discuss and possibly approve a Site Use License Agreement with NV Energy (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 66 - 73

Recommendation for Action: Review, discuss and possibly approve a Site Use License Agreement with NV Energy for property at Diamond Peak Ski Resort, and authorize the General Manager to execute the agreement.

2. **SUBJECT:** Review, discuss and possibly approve a professional services agreement with DOWL LLC for water model services associated with the Watermain Replacement - Alder Avenue CIP# 2299WS1802 (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 74 - 99

Recommendation for Action:

1. Approve the professional services contract with DOWL LLC for water model services associated with the Watermain Replacement - Alder Ave CIP#2299WS1802 project in the amount of \$7,000.
2. Authorize the Director of Public Works to execute the contract in substantially the form presented.

Incline Village General Improvement District

Incline Village General Improvement District is a fiscally responsible community partner which provides superior utility services and community oriented recreation programs and facilities with passion for the quality of life and our environment while investing in the Tahoe basin.

893 Southwood Boulevard, Incline Village, Nevada 89451 • (775) 832-1100 • EMAIL: info@ivgid.org

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3. **SUBJECT:** Review, discuss and possibly approve a professional services agreement with DOWL LLC for the preparation of revised bidding documents associated with the Sewer Pump Station (SPS) #1 CIP#2599DI1703 project (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 100 - 153

Recommendation for Action:

1. Review, discuss and possibly approve a professional services agreement with DOWL LLC, in an amount not to exceed \$42,303 for the preparation of revised bidding documents associated with the Sewer Pump Station (SPS) #1 CIP#2599DI1703 project.
2. Authorize Director of Public Works to execute the contract in substantially the form presented.

4. **SUBJECT:** Review, discuss and possibly approve the Purchase Order Agreement with Utility Services Assoc. for the Leak Detection Survey. (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 154 - 160

Recommendation for Action:

1. Approve the purchase order agreement with Utility Services Associated for performing a leak detection survey for the amount of \$10,142.
2. Authorize the Director of Public Works to execute the contract in substantially the form presented.

5. **SUBJECT:** Review, discuss and possibly approve a purchase and professional service agreement for the replacement of the 1979 haul rope on Red Fox ski lift. 2022/2023 Capital Improvement Project: Fund; Community Services; Division: Ski; Project #3462HE1712 Project Type; E - Capital Maintenance; Vendor: Wire Rope Service in the amount of \$72,930 (Requesting Staff Member: General Manager Diamond Peak Ski Resort Mike Bandelin) – pages 161 - 170

Recommendation for Action:

That the Board of Trustees makes a motion to:

1. Approve a Purchase Agreement for a replacement haul rope; Red Fox Ski Lift – 2022/2023 Capital Improvement Project: Fund: Community Services; Division: Ski; Project # 3462HE1712; Project Type; E – Capital Maintenance; Vendor: Wire Rope Service in the amount of \$38,530.00
2. Approve a Professional Service agreement for the removal and installation of the replacement haul rope; Red Fox Ski Lift – 2022/2023 Capital Improvement Project: Fund: Community Services; Division: Ski; Project # 3462HE1712; Project Type; E – Capital Maintenance; Vendor: Wire Rope Service in the amount of \$34,400

6. **SUBJECT:** Review, discuss, and potentially approve Policy 22.1.0 Disclosure of Community Groups (Requesting Staff Member: District General Counsel Joshua Nelson) – pages 171 - 176

Recommendation for Action: That the Board of Trustees makes a motion to approve Policy 22.1.0 Disclosure of Community Groups.

7. **SUBJECT:** Meeting Minutes of May 8, 2023 – pages 177 - 422

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G. GENERAL BUSINESS (for possible action)

1. **SUBJECT:** Review and Discuss the Opinion of Probable Construction Cost for GMP2 of the Export Effluent Pipeline Project (CIP #2524SS1010) (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 423 - 439

Recommendation for Action: Review and Discuss the Opinion of Probable Construction Cost for GMP2 of the Export Effluent Pipeline Project (CIP #2524SS1010)

2. **SUBJECT:** Review, discuss and possibly approve an Increase to the Project Budget for the Skate Park Enhancement Project (CIP #4378BD2202) in an amount determined by the Board and currently estimated not to exceed \$500,000 (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 440 - 443

Recommendation for Action: The Board of Trustees make a motion to possibly approve funding for the Skate Park Enhancement Project (CIP #4378BD2202) in an amount determined by the Board and currently estimated not to exceed \$500,000.

3. **SUBJECT:** Review, discuss and possibly approve the rebuild of three Caterpillar 950G loaders by Empire Southwest (formerly Cashman Equipment) and purchase of tire chains from Silver State International (Requesting Staff Member: Director of Public Works Brad Underwood) – pages 444 - 482

Recommendation for Action:

That the Board of Trustees makes a motion to:

1. Approve a purchase order contract with Empire Southwest for the rebuild of three 2002 950G Caterpillar Loaders, in the total amount of \$675,000.00 (CIP Project Numbers 2097HE1729, 2097HE1730 and 3463HE1723).
2. Authorize the issuance of a purchase order with Silver State International for the purchase of loader tire chains for three 950G loaders (CIP 2097HE1725 and 3463HE1722).
3. Authorize the transfer of funds in the amount of \$6,352 from CIP project number 2097HE1729 to CIP project number 2097HE1725.
4. Authorize the transfer of funds in the amount of \$3,426 from CIP project number 3463HE1723 to CIP project number 3463HE1722.
5. Authorize the Director of Public Works to sign the Purchase Order Contract in substantially the form presented.

4. **SUBJECT:** Discussion of Resolution 1902: A Resolution Approving the Report for Collection of Recreation Standby and Service Charges for Fiscal Year 2023/2024 (Requesting Staff Member: Director of Finance Paul Navazio) – pages 483 - 499

5. **SUBJECT: PUBLIC HEARING - FISCAL YEAR 2023/2024 RECREATION ROLL** – page 500

Public Comments will be taken on this item. The Board Chairman will set the time limit for these comments at the meeting. It is anticipated that will be 3 minutes.

6. **SUBJECT:** Review, discuss and possibly approve Resolution 1902: A Resolution Approving the Report for Collection of Recreation Standby and Service Charges for Fiscal Year 2023/2024 (Requesting Staff Member: Director of Finance Paul Navazio) – pages 483 - 499

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Recommendation for Action:

- 1) Set the Recreation Facility Fee and Beach Facility Fee for FY2023/24
- 2) Review, discuss and possibly approve Resolution Number 1902 which approves the Report for Collection of Recreation Standby and Services Charges (also known as the Recreation Facility Fee and Beach Facility Fee) for Fiscal Year 2023/2024
7. **SUBJECT:** Discussion of Incline Village General Improvement District Final Budget for FY2023-24, State of Nevada Form 4404LGF, and related FY2023-24 Central Service Cost Allocation, Recreation Facility Fee and Beach Facility Fee, Authorized Staffing Levels, and Fiscal Year 2023-24 Capital Improvement Project Budget (Requesting Staff Member: Director of Finance Paul Navazio) – pages 501 - 716
8. **SUBJECT: PUBLIC HEARING - FISCAL YEAR 2023/2024 BUDGET** – page 717

Public Comments will be taken on this item. The Board Chairman will set the time limit for these comments at the meeting. It is anticipated that will be 3 minutes.

9. **SUBJECT:** Adoption of Incline Village General Improvement District Final Budget for FY2023-24, State of Nevada Form 4404LGF, and related FY2023-24 Central Service Cost Allocation, Recreation Facility Fee and Beach Facility Fee, Authorized Staffing Levels, and Fiscal Year 2023-24 Capital Improvement Project Budget (Requesting Staff Member: Director of Finance Paul Navazio) – pages 501 - 716

Recommendation for Action:

1. Approval of the Central Services Cost Allocation Plan for Fiscal Year 2023-2024 allocating a total of \$1,956,300 in costs from the General Fund to the Utility Fund, Community Services Funds and Beach Fund
 2. Approval of the Incline Village General Improvement District's Final Budget for Fiscal Year 2023-2024 (Form 4404LGF) as prescribed by the State of Nevada Department of Taxation
 3. Approval of Fiscal Year 2023-24 Authorized Staffing Levels
 4. Approval of the Incline Village General Improvement District's Capital Improvement Program Budget for Fiscal Year 2023-2024
 10. **SUBJECT:** Final review and discussion of the District General Manager evaluation process for period 2022-2023 (Requesting Trustee: Board Chairman Matthew Dent with assistance from Director of Human Resources Erin Feore) – pages 718 - 765
- H. REDACTIONS FOR PENDING PUBLIC RECORDS REQUESTS (for possible action) – pages 766 - 769
- I. LONG RANGE CALENDAR – pages 770 - 774
- J. BOARD OF TRUSTEES UPDATE
- K. FINAL PUBLIC COMMENTS - Limited to a maximum of three (3) minutes in duration.
- L. ADJOURNMENT (for possible action)

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CERTIFICATION OF POSTING OF THIS AGENDA

I hereby certify that on or before Friday, May 19, 2023, a copy of this agenda (IVGID Board of Trustees Session of May 25, 2023) was delivered to the post office addressed to the people who have requested to receive copies of IVGID's agendas; copies were e-mailed to those people who have requested; and a copy was posted, physically or electronically, at the following locations in accordance with Assembly Bill 253:

1. IVGID Anne Vorderbruggen Building (893 Southwood Boulevard, Incline Village, Nevada; Administrative Offices)
2. IVGID's website (www.yourtahoepace.com/ivgid/board-of-trustees/meetings-and-agendas)
3. State of Nevada public noticing website (<https://notice.nv.gov/>)

/s/ Susan A. Herron

Susan A. Herron

Acting District Clerk (e-mail: sah@ivgid.org/phone # 775-832-1207)

Board of Trustees: Matthew Dent - Chairman, Sara Schmitz, Michaela Tonking, Raymond Tulloch and David Noble

Notes: Items on the agenda may be taken out of order; combined with other items; removed from the agenda; moved to the agenda of another meeting; moved to or from the Consent Calendar section; or may be voted on in a block. Items with a specific time designation will not be heard prior to the stated time, but may be heard later. Those items followed by an asterisk (*) are items on the agenda upon which the Board of Trustees will take no action. Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to call IVGID at 832-1100 at least 24 hours prior to the meeting. IVGID'S agenda packets are available at IVGID's website, www.yourtahoepace.com; go to "Board Meetings and Agendas".

MEMORANDUM

TO: Board of Trustees

THROUGH: Brad Underwood, Director of Public Works

FROM: Hudson Klein, Principal Engineer

SUBJECT: Review and Discuss the Opinion of Probable Construction Cost for GMP2 of the Export Effluent Pipeline Project (CIP #2524SS1010)
(Requesting Staff Member: Director of Public Works Brad Underwood)

RELATED STRATEGIC PLAN BUDGET INITIATIVE(S):

LONG RANGE PRINCIPLE #5 – ASSETS AND INFRASTRUCTURE

The District will practice perpetual asset renewal, replacement and improvement to provide safe and superior long term utility services and recreation venues, facilities, and services.

Budgeted Initiatives D - Allocate capital expenditures to maintain services and facilities.

RELATED DISTRICT POLICIES, PRACTICES, RESOLUTIONS OR ORDINANCES

Board Policies 12.1.0 Multi-year Capital Planning; 13.2.0 Capital Planning Capital Expenditures; 21.1.0 Purchasing Policy for Public Works Contracts

DATE: May 25, 2023

I. RECOMMENDATION

Review and Discuss the Opinion of Probable Construction Cost for GMP2 of the Export Effluent Pipeline Project (CIP #2524SS1010)

II. BACKGROUND

On April 12, 2023 the first phase of the export effluent pipeline was awarded to Granite Construction as the construction manager at risk (CMAR). The initial guaranteed maximum price (GMP1) was prepared in accordance with NRS Section 338.1696 and is comprised of approximately 5,365 linear feet (LF) of pipeline. GMP1 was awarded to Granite for \$10,831,500 and includes approximately \$1.5M in risk reserve. This cost is inclusive of the competitive bidding process completed by Granite in preparation of GMP1 and represents the current material, construction, and formal subcontractor project bids. The first

year costs total approximately \$14M inclusive of GMP1, contingency, IVGID-purchased pipe, design and administration, and inspection/management costs.

The 90% opinion of probable construction cost (OPCC) for the entire project was presented to the Board of Trustees on January 11, 2023 and was estimated at approximately \$58,700,000. The 90% OPCC was prepared by the CMAR and the independent cost estimator (ICE) and the estimated costs were within 1% of each other (Attachment A). The actual costs of GMP1 do not support the overall project cost that was presented at the January Board meeting. Therefore, the Board requested staff present an updated estimate for the remainder of the effluent pipeline project at the May 25, 2023 meeting.

Granite has prepared a current total project OPCC of \$71.6M. Refer to Attachment B for a breakdown of estimated project costs for GMP2 and the resultant project total. This is an increase to the OPCC presented at the January Board meeting of approximately \$12.9M (Attachment C). Information below provides an overview of the cost increases.

Refer to Attachment A for a summary of the cost variances projected from the 90% OPCC to GMP1 and GMP2 estimates. A comparison of the OPCC components is shown in the table below:

	Jan. 2023 90% OPCC	May 2023 GMP2 OPCC	Difference
Construction Costs (incl. CMAR fee)	\$46,000,000	\$56,300,000	\$10,300,000
Risk Reserve	\$10,300,000	\$9,200,000	(\$1,100,000)
Contract Contingency & Administration Fees	\$2,400,000	\$6,100,000	\$3,700,000
Total	\$58,700,000	\$71,600,000	\$12,900,000

Construction Cost Increase:

Several factors influenced the increase in (direct) construction costs. The most significant increases resulted from:

- Shifting the estimated cost escalations (inflation allowance) from the risk reserve into the direct costs (+\$4.9M); note that \$3.7M was reallocated from risk into direct costs AND an additional industry escalation increase of \$1.2M has been included since January 2023;
- Design and construction scope changes (+\$2.3M, from 90% design to construction issue); this includes design aspect quantity increases, and construction methodology refinements,

- Additional traffic control and utilization of a DBE for SRF funding criteria (+\$1.9M); this assumes multiple, coincident work fronts in 2024 and 2026
- The proportionally increased contractor fee to account for the higher direct cost (+\$1.1M).

Risk Reserve Decrease:

Several factors influenced the increase in risk reserve costs. The most significant increases resulted from:

- The overall decrease in risk reserve is representative of the transfer of cost escalations from the risk reserve into the direct construction costs (-\$3.7M).
- An increased allowance for anticipated hard rock resulting in a decrease in productivity and requires additional rock-breaking equipment (+\$2.3M).
- NDOT will be completing improvements to SR50 and will be utilizing the staging areas for their own project in 2024 and 2025. The likely loss of NDOT staging areas at SR50/SR28 will increase construction costs as it requires the contractor to travel further for every truck trip (+\$0.6M).

The final risk reserve will be further negotiated during formal GMP2 reconciliation efforts. The 90% OPCC and GMP2 OPCC risk registers are included as Attachment D and Attachment E, respectively.

Administration and Inspection Fees Increase:

The January 2023 OPCC indicated construction-phase cost estimates only and did not include design-phase consultant, IVGID Staff-management, and regulatory permitting costs (+\$1M); this has been included in the current OPCC. The total project increase for administration is also the result of several contributing factors: actual testing & inspection contract costs versus assumed fees; increased contingencies (at 3.5% of construction cost) for the contracts based on increased direct costs. Each design, permitting, project management, and inspection item in the GMP2 OPCC is conservative due to the limited operational progress completed to date.

III. BID RESULTS

There are no bid results as part of this GMP2 OPCC. The competitive bidding process and resultant project unit rates completed by the CMAR during the preparation of GMP1 were used in preparation of the GMP2 OPCC.

IV. FINANCIAL IMPACT AND BUDGET

The current total project OPCC of \$71.6M represents an increase of approximately \$12.9M from the OPCC presented in January 2023. This amount is currently in excess of the allocated project budget. Staff is proposing an amount of \$57M for fiscal year 2023-24 to award the GMP2 construction contract for all the remaining work.

Funding currently available for the project is \$52.74M in SRF Loan Funds, \$1.6M in EPA Clean Water SRF Program Funds, and 15.463M in Utility Funds, totaling \$69.803M.

Staff continues to pursue Section 595 grant funding with the United States Army Corps of Engineers (USACE) for GMP2. Staff is currently in discussions with USACE for an amendment to the existing Project Partnership Agreement (PPA) for Effluent Pipeline project funding (Increment 2). In addition, the Nevada Senate Delegation has included a \$15M request for the Effluent Pipeline project in their FY2024 Congressionally Directed Spending Requests.

V. ALTERNATIVES

There are no alternatives as the full project OPCC has been prepared for information and discussion purposes.

VI. COMMENTS

GMP1 includes time and resources for on-site investigations (potholing and inspections) that will help further inform the actual GMP2 scope and cost profile.

Staff is beginning to work with Granite to provide their cost proposal for GMP2 which will be the remainder of the Effluent Export Pipeline work. The intent is to bring a contract before the Board for their consideration in early Fall 2023.

However, this date could change depending on the status of USACE 595 Program Funds. This is due to the requirement in the PPA for the USACE to provide written confirmation that the environmental compliance has been completed for an increment of work prior to issuing solicitation for the first construction contract.

VII. BUSINESS IMPACT/BENEFIT

This item is not a "rule" within the meaning of Nevada Revised Statutes, Chapter 237, and does not require a Business Impact Statement.

VIII. ATTACHMENTS

1. ATTACHMENT A - 90% OPCC - CMAR & ICE_Dec2022
2. ATTACHMENT B - GMP2-90% OPCC Comparison Form_20230517
3. ATTACHMENT C - Board-Variance Summary (Total Program Cost)R1
4. ATTACHMENT D - IVGID CMAR - 90% OPCC Risk Register (12.06.22)
5. ATTACHMENT E - IVGID CMAR - GMP2 OPCC - Risk Register (05.10.23)

IX. DECISION POINTS NEEDED FROM THE BOARD OF TRUSTEES

Review and Discuss the Opinion of Probable Construction Cost for GMP2 of the Export Effluent Pipeline Project (CIP #2524SS1010).

Basis of Estimate

IVGID Effluent Pipeline Replacement - Segment 2 - Specifications

IVGID Effluent Pipeline Replacement - Segment 2 - Revised Drawing Set Dated 11/21/22

IVGID Pipeline 90% OPCC Assumptions - Granite

100% OPCC development - Pipeline material change

- Email correspondence via Raquel Floyd stating, "...to proceed with substitution of PC350 DIP for all the HDPE sections for development of the OPCC."

Reconciliation meeting that took place 12/5/22 amongst all three parties. Estimate to reflect.

Exclusions and Assumptions

We have carried the following below line percentage markups:

General Conditions	LS
Construction Contingency	10.0%
Design Contingency	8.0%
Bond	1.0%
GL Insurance	2.5%
Design Build Fee	0.0%
Permits	1.2%
Fee	14.0%
Escalation	16.1%

General

- The following estimate is priced as a union job/prevaling wage. This estimate is to reflect the revised drawing set dated 11/21/22.
- The estimate is to reflect item revisions discussed at the the reconciliation meeting that took place on 11/21/22. Parties present were client 'Rock Solid Solutions', owner representatives, and the general contractor.
- As instructed by client 'Rock Solid Solutions', we carry similar assumptions as the contractor (Granite) for comparative purposes.
- Though we feel the contractor's daily work production is ambitious, we have been instructed by the client to carry similar working days assumptions with the general contractor (Granite). This estimate has been adjusted for work to be performed 24 hours per day, five days per week, Sunday night through Friday noon, during the months of May 1st through October 15th for a total of 5-1/2 months or approximately 23 weeks. Note that TRPA will have to approve work on Sunday's according to the documents.*
- Considering the above, we highly recommend potholing efforts in an effort to avoid as many unforeseen issues as possible and help in meeting the four season construction schedule.
- All new piping to be installed in a parallel alignment to the existing pipeline in the middle of both wheel tracks of the southbound lane of SR-28.
- Escalation has been carried at the following percentages to meet current market escalation rates: 10% for 2022, 6% for 2023, and 5% for years 2024-2026.

- 8 Some unit rates were based on the assumption that crews have limited access and egress given the location of the proposed sewer line. Therefore, some crew production rates have been adjusted to factor average to slower productivity.
- 9 Per last reconciliation meeting 11/21/22, Granite and IVGID stated 70% of the trench will be under 5 foot, we have carried that assumption in our estimate.

Bid Item Assumptions & Clarifications

- 10 We have assumed surveying will be a split cost between the owner and contractor; Owner to hire surveyor for initial control and benchmark, and contractor to hire for daily staking, our estimate to reflect.
- 12 Per CM's assumptions, we have carried cost to remove 300 LF of asbestos contaminated pipe.
- 13 Per CM's assumptions, we have carried an allowance to drain any trapped effluent waste, and to reintroduce to the effluent pipeline flowing towards Carson Valley.
- 14 Pipe unit cost rates to reflect demolition and disposal of pavement, excavation, hauling/trucking disposal of initial backfill zone only, shoring and trench protection, 4" bedding material at base of pipe, pipe lay and weld, pipe pressure testing, backfill and compaction both screened native soils (intermediate zone), new import soils (initial fill zone), 12" aggregate base below pavement, and 8" bituminous pavement. Sawcutting is captured as a separate line item to reflect CM format (see estimate breakout).
- 15 Per client communication, the 6" lean concrete cover to go over the proposed utility has been deleted by owner. We have assumed additional backfill quantities in lieu of deleted scope.
- 16 Repaving trench areas are to include both initial patching of 8 inch full-depth, as well as asphalt overlay (2 inch grind and overlay).
- 17 Traffic control includes 22 months to complete the project, and assumes single lane flagger controlled closure, 24 hours per day, Sunday night at 8 PM through the following Friday afternoon.
- 18 3 inch air/vacuum assembly has been priced to reflect new construction and not to modify existing, see details within drawing G007 of the 'Effluent Pipeline CMAR Project Segment 2 - 100% Design' drawing set.
- 19 Blowoff valve assembly has been priced to reflect new construction and not to modify existing, see details within drawing G007 of the 'Effluent Pipeline CMAR Project Segment 2 - 100% Design' drawing set.

Exclusions

- 20 As instructed by client 'Rock Solid Solutions', we have carried similar exclusions as stated in 'IVGID Pipeline 90% OPCC Assumptions - Granite' construction document.



DRAFT - Effluent Export Pipeline Project (90% OPCC Assumptions)

		QUANTITY	UNIT	UNIT PRICE	TOTAL COST
1	GENERAL REQUIREMENTS				
2	Mobilization/Demobilization	1	EA	\$ 3,733,550.77	\$ 3,733,551
3	General Conditions	1	LS	\$ 5,221,180.08	\$ 5,221,180
4	Insurance and Bonds	1	LS	\$ 1,431,826.26	\$ 1,431,826
5	SUBTOTAL				\$ 10,386,557
6	PIPE WORK				
7	Mitigation & Environmental Controls	1	LS	\$ 300,000.00	\$ 300,000
8	12" Asphalt Cutting	59,567	LF	\$ 5.00	297,837
9	16" Welded Steel Pipe - WSP	5,011	LF	\$ 962	\$ 4,820,582
10	16" Ductile Iron Pipe - DIP	24,737	LF	\$ 751	\$ 18,577,487
11	Cathodic Protection (14 Test Stations)	29,748	LF	\$ 9.41	\$ 280,000
12	Jack and Bore - Secret Creek RCB 389+00	50	LF	\$ 300.00	\$ 15,000
13	Tie-Ins (Every Season)	12	EA	\$ 5,000.00	\$ 60,000
14	Concrete Pipe Cover	25	CY	\$ 240.00	\$ 6,000
15	Concrete Plug - Dormant Pipe	12	EACH	\$ 1,500.00	\$ 18,000
16	Utility Marker	60	EACH	\$ 75.00	\$ 4,500
17	3" Air Release/Vacuum ARV Assembly & Vault - Unit cost to include entire assembly	3	EACH	\$ 40,000.00	\$ 120,000
18	60" ARV Manhole - W/ Frame & Cover	3	EACH	-	Included in above
19	4" Blow-Off Valve BOV Assembly	4	EACH	\$ 12,300.00	\$ 49,200
20	BOV Valve Extension Assembly	4	EACH	\$ 2,500.00	\$ 10,000
21	16" Butterfly Valves	2	EACH	\$ 10,000.00	\$ 20,000
22	Valve Box & Cover	10	EACH	\$ 950.00	\$ 9,500
23	Asphalt Overlay - 2" Cold mill & 2" Overlay	475,968	SF	\$ 2.00	\$ 951,936
24	Asphalt Striping - Waterborne	59,496	LF	\$ 1.00	\$ 59,496
25	Traffic Control - (4 Seasons 22 Months)	1	LS	\$ 2,323,200.00	\$ 2,323,200
26	TC Temporary Precast Barrier Rail	600	LF	\$ 907.42	\$ 544,451
27	Allowance for steel plates rental	67	MO	\$ 6,000.00	\$ 402,433
28	SUBTOTAL				\$ 28,569,621
29	INCIDENTAL WORK				
30	Tap Dormant Pipe	4	EACH	\$ 5,000.00	\$ 20,000
31	Temporary Blow Off Valves - 4"	4	EACH	\$ 4,500.00	\$ 18,000
32	Drain Dormant Pipe - 4 Locations	183,989	GAL	\$ 2.50	\$ 459,973
33	Remove & Dispose Asbestos Pipe	300	LF	\$ 30.00	\$ 9,000
34	Grout Dormant Pipeline	1,536	CY	\$ 295	\$ 453,120
35	SUBTOTAL				\$ 960,093
36					
37	TOTAL CONSTRUCTION COST				\$ 40,066,271
38					
39	SUBTOTAL 1				\$ 40,066,271
40	Contractor Overhead and Profit				\$ 5,609,278
41	SUBTOTAL 2				\$ 45,675,549
42	Construction Contingency (Risk Register Place Holder)				\$ 11,393,923.21
43	SUBTOTAL 3				\$ 57,069,472
44	TOTAL ESTIMATED PROJECT CONSTRUCTION COST				\$57,069,472

CMAR OPCC - IVGID Effluent Pipeline Remaining Scope

IVGID Effluent Pipeline - OPCC Remaining Scope

Item	Description	UoM	GMP1 - 2023			CMAR OPCC Remaining Scope			2024 (estimated spend)			2025 (estimated spend)			2026 (estimated spend)			TOTAL PROJECT COST
			Qty	Unit Price	2023 Total	Qty	Unit Price	GMP 2 Total	Qty	Unit Price	2024 Total	Qty	Unit Price	2025 Total	Qty	Unit Price	2026 Total	
1	Mobilization and Demobilization	LS	1.0	\$ 163,323.00	\$ 163,323.00	1.0	\$ 388,370.00	\$ 388,370.00	1.0	\$ 143,696.90	\$ 143,696.90	1.0	\$ 108,743.60	\$ 108,743.60	1.0	\$ 135,929.50	\$ 135,929.50	\$ 551,693.00
2	Mitigation & Environmental Controls	LS	1.0	\$ 105,434.00	\$ 105,434.00	1.0	\$ 441,160.00	\$ 441,160.00	1.0	\$ 169,229.20	\$ 169,229.20	1.0	\$ 123,524.80	\$ 123,524.80	1.0	\$ 154,406.00	\$ 154,406.00	\$ 546,594.00
3	12" Asphalt Cutting	LF	11,140.0	\$ 5.24	\$ 58,373.60	51,330.0	\$ 6.44	\$ 330,565.20	19,000.0	\$ 6.44	\$ 122,360.00	13,400.0	\$ 6.44	\$ 86,296.00	18,930.0	\$ 6.44	\$ 121,909.20	\$ 388,938.80
4	16" Ductile Iron Pipe - DIP (Install Only)	LF	5,365.0	\$ 726.25	\$ 3,896,331.25	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,896,331.25
5	16" Ductile Iron Pipe - DIP (Procure and Install) - \$795 ICE Est.	n/a	-	-	-	19,624.0	\$ 964.93	\$ 18,935,786.32	9,500.0	\$ 964.93	\$ 9,166,835.00	6,700.0	\$ 964.93	\$ 6,465,031.00	3,424.0	\$ 964.93	\$ 3,303,920.32	\$ 18,935,786.32
6	16" Welded Steel Pipe (Procure and Install)	n/a	-	-	-	5,011.0	\$ 1,498.02	\$ 7,506,578.22	-	\$ 1,498.02	-	-	\$ 1,498.02	-	5,011.0	\$ 1,498.02	\$ 7,506,578.22	\$ 7,506,578.22
7	Cathodic Protection Test Stations	n/a	-	-	-	5.0	\$ 17,719.00	\$ 88,595.00	-	\$ 17,719.00	-	-	\$ 17,719.00	-	5.0	\$ 17,719.00	\$ 88,595.00	\$ 88,595.00
8	Tie-Ins	EACH	5.0	\$ 35,870.00	\$ 179,350.00	8.0	\$ 44,314.00	\$ 354,512.00	-	\$ 44,314.00	-	-	\$ 44,314.00	-	8.0	\$ 44,314.00	\$ 354,512.00	\$ 533,862.00
9	Utility Marker	EACH	12.0	\$ 856.00	\$ 10,272.00	50.0	\$ 688.75	\$ 34,437.50	19.0	\$ 688.75	\$ 13,086.25	14.0	\$ 688.75	\$ 9,642.50	17.0	\$ 688.75	\$ 11,708.75	\$ 44,709.50
10	3" Air Release/Vacuum ARV Assembly	EACH	2.0	\$ 27,966.00	\$ 55,932.00	6.0	\$ 29,580.00	\$ 177,480.00	2.0	\$ 29,580.00	\$ 59,160.00	3.0	\$ 29,580.00	\$ 88,740.00	1.0	\$ 29,580.00	\$ 29,580.00	\$ 233,412.00
11	60" ARV Manhole - W/ Frame & Cover	EACH	2.0	\$ 11,149.00	\$ 22,298.00	6.0	\$ 11,629.00	\$ 69,774.00	2.0	\$ 11,629.00	\$ 23,258.00	3.0	\$ 11,629.00	\$ 34,887.00	1.0	\$ 11,629.00	\$ 11,629.00	\$ 92,072.00
12	4" Blow-Off Valve BOV Assembly	EACH	1.0	\$ 18,920.00	\$ 18,920.00	2.0	\$ 19,920.00	\$ 39,840.00	1.0	\$ 19,920.00	\$ 19,920.00	1.0	\$ 19,920.00	\$ 19,920.00	-	-	-	\$ 58,760.00
13	Valve Box & Cover	EACH	2.0	\$ 2,380.00	\$ 4,760.00	4.0	\$ 3,035.60	\$ 12,142.40	2.0	\$ 3,035.60	\$ 6,071.20	2.0	\$ 3,035.60	\$ 6,071.20	-	-	-	\$ 16,902.40
14	2" Coldmill & 2" Overlay	SF	85,840.0	\$ 2.87	\$ 246,380.80	393,984.0	\$ 2.87	\$ 1,130,734.08	152,000.0	\$ 2.87	\$ 436,240.00	107,200.0	\$ 2.87	\$ 307,664.00	134,784.0	\$ 2.87	\$ 386,830.08	\$ 1,401,130.08
16	Asphalt Striping - Waterborne	LF	10,730.0	\$ 0.88	\$ 9,442.40	49,248.0	\$ 0.96	\$ 47,278.08	19,000.0	\$ 0.96	\$ 18,240.00	13,400.0	\$ 0.96	\$ 12,864.00	16,848.0	\$ 0.96	\$ 16,174.08	\$ 56,720.48
17	Traffic Control	LS	1.0	\$ 1,461,549.00	\$ 1,461,549.00	1.0	\$ 5,060,846.00	\$ 5,060,846.00	1.0	\$ 1,872,513.02	\$ 1,872,513.02	1.0	\$ 1,417,036.88	\$ 1,417,036.88	1.0	\$ 1,771,296.10	\$ 1,771,296.10	\$ 6,522,395.00
18	Remove & Dispose Asbestos Wrapped Pipe	LF	475.0	\$ 610.00	\$ 289,750.00	120.0	\$ 1,164.00	\$ 139,680.00	30.0	\$ 1,164.00	\$ 34,920.00	30.0	\$ 1,164.00	\$ 34,920.00	60.0	\$ 1,164.00	\$ 69,840.00	\$ 429,430.00
19	Grout Dormant Pipeline	LF	530.0	\$ 66.00	\$ 34,980.00	-	-	-	-	-	-	-	-	-	-	-	-	\$ 34,980.00
20	Rock Excavation	CY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
21	Trenchless Installation	LF	-	-	-	50.0	\$ 2,204.80	\$ 110,240.00	50.0	\$ 2,204.80	\$ 110,240.00	-	-	-	-	-	-	\$ 110,240.00
22	General Conditions	LS	1.0	\$ 1,544,571.00	\$ 1,544,571.00	1.0	\$ 5,081,414.00	\$ 5,081,414.00	1.0	\$ 1,880,123.18	\$ 1,880,123.18	1.0	\$ 1,422,795.92	\$ 1,422,795.92	1.0	\$ 1,778,494.90	\$ 1,778,494.90	\$ 6,625,985.00
23	Insurance and bonds	LS	1.0	\$ 89,633.00	\$ 89,633.00	1.0	\$ 277,213.20	\$ 277,213.20	1.0	\$ 102,568.88	\$ 102,568.88	1.0	\$ 77,619.70	\$ 77,619.70	1.0	\$ 97,024.62	\$ 97,024.62	\$ 366,846.20
	Subtotal				\$ 8,215,315.25			\$ 40,226,646.00			\$ 14,172,461.63			\$ 10,215,756.60			\$ 15,838,427.77	\$ 48,441,961.25
	Contractor Fee		14%	1	\$ 1,150,144.14			\$ 5,631,730.44	14%	1.00	\$ 1,984,144.63	14%	1.00	\$ 1,430,205.92	14%	1.00	\$ 2,217,329.89	\$ 6,781,874.58
	Subtotal				\$ 9,365,459.39			\$ 45,858,376.44			\$ 16,156,606.26			\$ 11,645,962.52			\$ 18,055,807.66	\$ 55,223,835.83
	CMGC Risk Register	LS	1.0	\$ 1,466,000.00	\$ 1,466,000.00	1.0	\$ 7,734,535.00	\$ 7,734,535.00	1.0	\$ 2,861,777.95	\$ 2,861,777.95	1.0	\$ 2,165,669.80	\$ 2,165,669.80	1.0	\$ 2,707,087.25	\$ 2,707,087.25	\$ 9,200,535.00
	IVGID mgmt	LS	1.0	\$ 517,000.00	\$ 175,000.00	1.0	\$ 745,851.19	\$ 745,851.19	1.0	\$ 235,200.00	\$ 235,200.00	1.0	\$ 248,371.20	\$ 248,371.20	1.0	\$ 262,279.99	\$ 262,279.99	\$ 920,851.19
	Designer Constr Services	LS	1.0	\$ 548,686.00	\$ 48,686.00	1.0	\$ 170,000.00	\$ 170,000.00	1.0	\$ 100,000.00	\$ 100,000.00	1.0	\$ 30,000.00	\$ 30,000.00	1.0	\$ 40,000.00	\$ 40,000.00	\$ 218,686.00
	Inspection & Testing	LS	1.0	\$ 331,517.00	\$ 331,517.00	1.0	\$ 1,412,927.70	\$ 1,412,927.70	1.0	\$ 445,558.85	\$ 445,558.85	1.0	\$ 470,510.14	\$ 470,510.14	1.0	\$ 496,858.71	\$ 496,858.71	\$ 1,744,444.70
	Project Funding Administration	LS	1.0	\$ 193,800.00	\$ 193,800.00	1.0	\$ 150,000.00	\$ 150,000.00	1.0	\$ 50,000.00	\$ 50,000.00	1.0	\$ 50,000.00	\$ 50,000.00	1.0	\$ 50,000.00	\$ 50,000.00	\$ 343,800.00
	Contract contingency	LS	1.0	\$ 361,150.00	\$ 361,150.00	1.0	\$ 1,407,932.61	\$ 1,407,932.61	1.0	\$ 496,036.16	\$ 496,036.16	1.0	\$ 357,551.48	\$ 357,551.48	1.0	\$ 554,344.97	\$ 554,344.97	\$ 1,769,082.61
	IVGID purchased material	LS	1.0	\$ 1,050,000.00	\$ 1,050,000.00	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,050,000.00
	Project Start-up Design/Permitting	LS	1.0	\$ 964,849.00	\$ 964,849.00	1.0	\$ 150,000.00	\$ 150,000.00	1.0	\$ 50,000.00	\$ 50,000.00	1.0	\$ 50,000.00	\$ 50,000.00	1.0	\$ 50,000.00	\$ 50,000.00	\$ 1,114,849.00
	Subtotal				\$ 4,591,002.00			\$ 11,771,246.50			\$ 4,238,572.96			\$ 3,372,102.62			\$ 4,160,570.92	\$ 16,362,248.50
	Budget Total				\$ 13,956,461.39			\$ 57,629,622.94			\$ 20,395,179.22			\$ 15,018,065.14			\$ 22,216,378.58	\$ 71,586,084.33

GMP2 Total Project Cost Increase Summary

CONSTRUCTION COSTS

	90% OPCC - Jan 2023	GMP2 - May 2023	Total Variance	
	\$ 40,369,290.82	\$ 49,491,961.25	\$ 9,122,670.43	Direct construction costs increase
14%	\$ 5,651,700.71	\$ 6,781,874.58	\$ 1,130,173.86	CMAR Fee increase

Largest Contributing Factors:

mobilization	\$	399,101.98	Actual GMP1 subcontractor price vs OPCC plug price
AC cutting	\$	265,746.80	Actual GMP1 subcontractor price vs OPCC plug price
DIP supply & Install	\$	3,930,490.22	Escalation: pipe 7%+, fuel 25%
Steel pipe install	\$	1,499,040.65	Added yearly escalation and assumed plug price increase
Tie-ins	\$	441,054.00	Escalations, material costs quote
ARVs	\$	278,314.25	Increased work scope and quantity and subcontractor quote
traffic control	\$	2,401,617.90	Schedule modification (multiple workfronts), DBE utilization
general conditions	\$	(468,407.00)	Agreed CMAR staff reduction
cathodic protection	\$	(378,151.12)	Reduced design scope
asbestos pipe removal and NDOT work	\$	242,352.00	Increased work scope and subcontractor quote

CONTRACT CONTINGENCY & ADMINISTRATION FEES

	90% OPCC - Jan 2023	GMP2 - May 2023	Variance
	\$ 2,400,000.00	\$ 6,100,000.00	\$ 3,700,000.00

Largest Contributing Factors:

Design Phase costs (not shown in 90%)	\$	964,849.00	CMAR, design, permitting fees 2020-2023
Contract Contingency	\$	875,500.00	Estaimted contingency not included in 90% OPCC estimate
IVGID inspection	\$	920,851.19	Increased hours to cover risk items and realization of full risk reserve items
Funding administration	\$	193,800.00	Funding/grant administration fees, not previously included
Design increase	\$	218,686.00	Allowance for redesign (unknowns and GMP1 investigations) and construction phase services not previously included

RISK RESERVE

	90% OPCC - Jan 2023	GMP2 - May 2023	Variance
	\$ 10,312,928.60	\$ 9,200,535.00	\$ (1,112,393.60)

Largest Contributing Factors:

Escalation moved to construction	\$	(3,716,000.00)	escalation/inflation moved into unit rates for construction cost
Staging area	\$	585,410.72	Increased allowance based on NDOT informing IVGID staging areas may be used for NDOT project in 2024 & 2025
Overall delay/extension of time allowance	\$	403,199.00	Extra traffic control, existing pipe leakage impacts, NDOT culvert failure
Rock allowance	\$	2,269,414.80	Increase rock amount based on ground radar scan
Overbreak allowance	\$	(336,250.00)	moved into the construction rates

CMAR OPCC - IVGID Effluent Pipeline Remaining Scope

IVGID Effluent Pipeline - OPCC Remaining Scope

GRANITE CURRENT						
GMP1 - 2023						
Item	Description	UoM	CMAR OPCC Remaining Scope			TOTAL PROGRAM COST
			Qty	Unit Price	GMP 2 Total	CMAR
	Subtotal					\$ 8,215,315.25
	Contractor Fee		14%	1		\$ 1,150,144.14
	IVGID purchased material	LS	1.0	\$ 1,050,000.00		\$ 1,050,000.00
	Subtotal					\$ 10,415,459.39
						\$ 40,226,646.00
						\$ 48,441,961.25
						\$ 6,781,874.58
						\$ 1,050,000.00
						\$ 45,858,376.44
						\$ 56,273,835.83
						\$ 9,200,535.00
						\$ 920,851.19
						\$ 218,686.00
						\$ 1,744,444.70
						\$ 343,800.00
						\$ 1,769,082.61
						\$ 1,114,849.00
						\$ 11,771,246.50
						\$ 15,312,248.50
						\$ 57,629,622.94
						\$ 71,586,084.33

GRANITE PREVIOUS		
January Board Packet		
Item	Description	CMAR
	Subtotal	\$ 40,969,290.82
	Contractor Fee	\$ 5,651,700.71
	IVGID purchased material	\$ 1,050,000.00
	Subtotal	\$ 46,020,991.53
		\$ 10,312,928.60
		\$ 920,851.19
		\$ 218,686.00
		\$ 1,744,444.70
		\$ 343,800.00
		\$ 2,400,000.00
		\$ 12,712,928.60
		\$ 58,733,920.13

VARIANCE		
MAY '23 vs. JAN '23		
Item	Description	CMAR
	Subtotal	\$ 8,072,670.43
	Contractor Fee	\$ 1,130,173.86
	IVGID purchased material	\$ 1,050,000.00
	Subtotal	\$ 10,252,844.29
		\$ (1,112,393.60)
		\$ 920,851.19
		\$ 218,686.00
		\$ 1,744,444.70
		\$ 343,800.00
		\$ (630,917.39)
		\$ 1,114,849.00
		\$ 2,599,319.90
		\$ 12,852,164.19

NOTES ABOUT VARIANCE:
 - Direct Costs are +\$8.1MM
 - Associated Fee is +\$1.1MM
 - Risk Register is <\$1.1MM> Less
 - Owner Controlled Items (e.g. Design, Admin, etc...) is +\$3.7MM

See Variance Sheet to explain \$8MM Delta of Direct Cost/Risk Register Costs



DRAFT IVGID Effluent Export Pipeline CMAR CONSTRUCTION 90% - Risk Register							Quantitative Analysis				Comments
No.	Functional Assignment	Status	Description Of Risk	Mitigation Strategy	Type of Risk	Probability	Cost Impacts (\$)		Schedule Impacts (Working Days)		
							Cost (\$)	Estimated Risk Amount	Time Impact	Estimated Time Impact	
1	Design	Open	Frequency and method of pressure testing - Welded Steel / DIP (Would precast square vaults be beneficial for pressure testing operations?)	- Develop Testing Procedure and Plan, details of testing connections. - Consult outside testing firms (MilBar) for recommended testing procedures and pressures. - Consult pipe manufacturers for recommended testing procedures - Conduct task force meeting, establish procedure, place in DIRECT COSTS	Cost & Schedule	25%	\$ 1,064,000.00	\$ 266,000.00	23	5.75	Scope gap potential due to specification development and owner requirements (i.e. pressure testing against valves, segment lengths, and exposed joints). Pipe manufacturers have expressed concerns over the testing pressures exceeding their rated pipe pressures. Testing = \$20k x 23 days. Traffic Control = \$7,800/day x 23 days GCs = \$18k x 23 days
2	Design	Open	Impact to production based on frequency and method of weld testing - Steel pipe (X-ray)	Develop Testing Procedure and Plan Frequency of Xray inspection to be determined and Impact	Cost & Schedule	50%	\$ 851,400.00	\$ 425,700.00	33	16.5	Assumed to be Owner provided third party QA inspection. Approximately 167 joints to inspect @ 2 hours per each = 334 hours Traffic Control = \$7,800/day x 33 days GCs = \$18k x 33 days
3	Design	Open	New pipeline alignment conflicts with existing improvements	GPR, Pothole, Design out, survey existing conditions, purchase additional fittings	Cost & Schedule	25%	\$ 1,816,860.00	\$ 454,215.00	20	5	Conflict with existing pipeline alignment creating additional crossings or tie-in connection points Encounter unknown culvert crossings or other utilities (Guardrail, Concrete Curb & Gutter, AC Curb Removal and Replacement) 5% of overall length = 1,485 LF x \$876/LF Traffic Control = \$7,800/day x 20 days GCs = \$18k x 20 days
4	Design	Open	GC 90% Design Plans do not specify number of Fittings & Degree of Angle per fitting.	Fittings adequately detailed on plan sheets, Have Additional Fittings On Hand Have Pipe Manufacturer (US Pipe) engineer lay sheets (mark sheets) to clarify materials purchase	Cost	8%	\$ 342,000.00	\$ 27,360.00	0	0	72 each x \$4,750 per each (fitting & multi-bead closure)
5	Design	Open	NDOT Eliminate new pipeline joints at NDOT culvert crossings	Purchase additional pipe to make adjustments to joint locations (i.e. Multi-bead sections of pipe) Have Pipe Manufacturer (US Pipe) engineer lay sheets (mark sheets) to clarify materials purchase Decrease as GMP's are released and acutal pipe purchases are made	Cost	100%	\$ 246,240.00	\$ 246,240.00	5	5	Could occur at each crossing. Total of 38 crossings 38 sticks x 2 each x 18 LF = 1,368 LF x \$180 2 hours per joint adjustment
6	Enviornmental	Open	IVGID Existing pipe discharge due to break or pipe failure (flooded trench, enviro release, etc)	Emergency Response Plan, Repair parts on hand (in-stock) at local supply, etc. GC to make repairs and coordinate with IVGID operations throughout construction	Cost & Schedule	25%	\$ 1,016,000.00	\$ 254,000.00	20	5	Assume crew cost = \$25,000/day Traffic Control = \$7,800/day x 1 week x 4 seasons GCs = \$18k x 1 week x 4 seasons
7	Excavation	Open	GC Encounter hard rock that needs to be excavated	- Improved quantification of known hard rock locations (to identify LF of trench) via GPR intel, followed up with pre-work package to include potholing (conventional or track-drilling). - Estimate includes Hammer Hoe attachment for nuisance rock - Rock-splitting to remove rock. - Correlate HDR PDR (June 2012) Rock excavation limits to current plan set	Cost & Schedule	50%	\$ 2,874,700.00	\$ 1,437,350.00	89	44.5	East Shore Trail = \$1.2 Million 30% of alignment = 8,900 LF 100 LF per day = 89 days x \$6,500/day Traffic Control = \$7,800/day x 89 days GCs = \$18k x 89 days

Cost (\$) is currently included in the 90% OPCC. The estimated Risk Amount is added cost based on probability of extra testing being required.

8	Excavation	Open	GC	Undermining or Overexcavation due to overbreak of Trench due to encountering unsuitable materials creates increased materials quantities required for trench backfill, and patching.	As needed	Cost	10%	\$ 3,362,500.00	\$ 336,250.00	5	0.5	Use established unit prices to establish Risk \$\$ 25% of excavated volume = 6,725 CY x \$500/CY (excavation, hauling & disposal, backfill with screened native).
9	Excavation	Open	GC	If ground water (in excess of nuisance) is encountered in low lying areas, we will need to de-watering, treat and dispose of properly	Proper Permits & Dewatering Equip, coordinate with local agencies	Cost & Schedule	25%	\$ 50,000.00	\$ 12,500.00	4	1	Account for 500LF of overall pipeline length (near Bliss, Secret Creek, and Skunk Harbor) 500 LF = 1 months rent (de-watering system) x \$50,000 per month
10	Excavation	Open		Procuring de-watering tanker trucks during construction season for removal of residual water in Dormant pipeline sections	Advanced scheduling	Cost & Schedule	25%	\$ 512,000.00	\$ 128,000.00	20	5	Waters, Hero, EPS, Clean Harbors Traffic Control = \$7,800/day x 5 days x 4 seasons GCs = \$18k x 5 days x 4 seasons
11	Excavation	Open	IVGID	Trench alignment crosses centerline (into live lane)	Design out	Cost & Schedule			\$ -	0	0	Believe this has been accounted for in current 90% parallel alignment
12	Materials	Open	GC	Delay start of construction due to availability of materials, weather delay, funding, permitting.	Identify & Order Early/Separate GMP	Cost & Schedule	25%	\$ 125,000.00	\$ 31,250.00	22	5.5	Delay start of a single season by 1 month causing an additional 5th season. Mob, Rent, Permits = \$125k
13	Materials	Open	GC	Escalations (Labor, materials, fuel (currently, to be broken out separately into individual items).	Order Early/Separate GMPs/Identify Stockpile storage location options At for Construction Design, GC includes Labor and Equipment (less fuel) escalations. Materials escalations to remain as Risk	Cost	75%	\$ 4,660,000.00	\$ 3,495,000.00	0	0	5% year over year
14	Materials	Open	GC	Fuel Escalations	Owner Allowance Item Develop indexing metric	Cost	100%		\$ -	0	0	TBD. Currently accounted for in above Escalations item.
15	Materials	Open	GC	5% additional Waste on Ductile Iron Pipe Purchase	Fittings adequately detailed on plan sheets, Have Additional Fittings On Hand Deliver 100% Design Plans to Pipe Manufacturers - develop expected waste factors	Cost	0%	\$ 240,741.00	\$ -	0	0	24,707 LF x .05 = 1,235 LF @ \$180 / LF = \$222,363 x 1.08265 = \$240,741 Moved \$120k to Item #5
16	Materials	Open	GC	7% Pipe Escalations (Beginning in 2023)	Order Early/Separate GMP/Identify Stockpile storage location options Remove this amount from above 5% escalations	Cost	100%	\$ 221,086.00	\$ 221,086.00	0	0	24,707 LF - 8,500 = 16,207 @ \$12.60 / LF = \$204,208 x 1.08265 = \$221,086
17	Materials	Open	GC	Encounter unsuitable material during screening native material for Intermediate Backfill. Cost to offhaul and import new material		Cost	25%	\$ 332,150.00	\$ 83,037.50	0	0	Intermediate Backfill = 5,643 CY x \$50/CY Buy/Haul added allowance for offhaul / disposal of unsuitable material = \$50k
18	NDOT	Closed		Parking 30' from E.O.P. or required use of K-rail	Identify potential pullouts / cost Temp Rail	Cost	0%	\$ -	\$ -	0	0	Included in 90% OPCC
19	NDOT	Open		Conflict with Adjacent Q&D/NDOT project	Coordinate with Q&D / NDOT	Cost & Schedule	0%		\$ -	0	0	Included in 90% OPCC
20	NDOT	Open		Upon excavating for new pipeline to cross under existing CMP culvert, we determine the condition of existing culverts not satisfactory (i.e. Corrosion). What method of repair would NDOT require?	Coordinate with NDOT. Potential slip-lining. NDOT or IVGID issue? NDOT evaluation report upcoming (clarifying conditions of existing culverts). Verifying the NDOT provided condition assessment report is accurate. Develop strategy for repair & compensation	Cost & Schedule	20%	\$ 665,000.00	\$ 133,000.00	1	0.2	38 crossings x 50 LF/Each = 1,900 LF
21	NDOT	Open	GC	Can we use existing culvert to host NEW fiber optic utilities ?	VEP Opportunity?				\$ -		0	
21	NDOT	Open		Full closure of Hwy 28 during shoulder season	VEP Opportunity?	Cost & Schedule	0%	\$ (3,000,000.00)	\$ -		0	Plugged assumed opportunity cost. (Double productions, reduced TC, reduced per week patching required, Open-Grade efficiencies)

22	NDOT	Open		NDOT right-of-way staging areas available for project use at time of construction?	Use IVGID property or other location outside of basin (i.e. bottom of US 50)	Cost	25%	\$ 7,317,634.00	\$ 1,829,408.50		0	Potential to double trucking cost. One season of not having access to yards. ***Analysis in progress***	
23	NDOT	Open		NDOT needing to perform maintenance on some existing culverts (Bliss Creek)	NDOT to perform culvert cleaning??	Schedule			\$ -		0	Unknown risk. More details needed	
24	Public	Open	IVGID	Emergency reposnse - Wildfire / Traffic accident	Emergency Response Plan	Cost & Schedule	25%	\$ 1,584,000.00	\$ 396,000.00	88	22	GCS = \$18,000/day x 1 month x 4 seasons	
25	Public	Open		Added requirement to modify traffic control plan/system	Add Pilot Car	Cost	10%	\$ 1,234,066.00	\$ 123,406.60		0	Pilot Car: 4 Seasons	
26	Quality	Open	IVGID	Failed pressure test and leak detected in new pipeline	Develop Testing Procedure and Plan	Cost & Schedule	25%	\$ 520,500.00	\$ 130,125.00	10	2.5	1% of overall pipe length = 300 LF x \$875/LF Traffic Control = \$7,800/day x 10 days GCS = \$18k x 10 days	
27	Stakeholders	Open	GC	Unforeseen Special Events (Races & Marathons)	Consult Stakeholders Early & Often	Cost & Schedule	25%	\$ 516,000.00	\$ 129,000.00	20	5	4 Seasons X 5 Days = 20 Days Traffic Control = \$7,800/day x 20 days GCS = \$18k x 20 days	
28	Weather	Open	GC	Weather (Thunderstorms / Freak Rain Events / Average Rainfall)	Account for additional days in CPM Schedule	Cost & Schedule	25%	\$ 516,000.00	\$ 129,000.00	20	5	5 Days/Season accounted for in CPM. Additional 5 Days/Season Traffic Control = \$7,800/day x 5 days x 4 seasons GCS = \$18k x 5 days x 4 seasons	
29	Stakeholders			Unforeseen TRPA required remediation measures at staging yards		Cost	25%	\$ 100,000.00	\$ 25,000.00	0	0		
30	Design			Clarification of Cathodic protection system (locations, offsets, and depths of anodes)	Design detail clarification	Cost	0%	\$ (350,000.00)	\$ -				
31	Weather	Open	GC	Construction Water Purchase		Cost	0%	\$ -	\$ -	0	0		
Totals									\$ -10,312,928.60	128.45			



DRAFT Risk Register Breakdown of Estimated Costs					Quantitative Analysis				Comments	
					Cost Impacts (\$)		Schedule Impacts (Working Days)			
Item	Description Of Risk	Mitigation Strategy	Type of Risk	Probability	Cost (\$)	Estimated Risk Amount	Time Impact	Estimated Time Impact	Original Comments	Additional Comments (Remaining Scope)
2	Impact to production based on frequency and method of weld testing - Steel pipe (X-ray)	Develop Testing Procedure and Plan Frequency of Xray inspection to be determined and Impact	Cost & Schedule	50%	\$ 851,400.00	\$ 425,700.00	33	16.5	Assumed to be Owner provided third party QA inspection. Approximately 167 joints to inspect @ 2 hours per each = 334 hours Traffic Control = \$7,800/day x 33 days GCs = \$18k x 33 days	
3	New pipeline alignment conflicts with existing improvements (needs to include existing pipeline crossing alignment of new pipeline for future GMPs)	GPR, Pothole, Design out, survey existing conditions, purchase additional fittings	Cost & Schedule	25%	\$ 1,816,860.00	\$ 454,215.00	20	5	Conflict with existing pipeline alignment creating additional crossings or tie-in connection points Encounter unknown culvert crossings or other utilities (Guardrail, Concrete Curb & Gutter, AC Curb Removal and Replacement) 5% of overall length = 1,485 LF x \$876/LF Traffic Control = \$7,800/day x 20 days GCs = \$18k x 20 days	
6	Existing pipe discharge due to break or pipe failure (flooded trench, enviro release, etc) - outside of GC negligence	Emergency Response Plan, Repair parts on hand (in-stock) at local supply, etc. GC to make repairs and coordinate with IVGID operations throughout construction	Cost & Schedule	33%	\$ 1,016,000.00	\$ 335,280.00	20	6.6	Assume crew cost = \$25,000/day Traffic Control = \$7,800/day x 1 week x 4 seasons GCs = \$18k x 1 week x 4 seasons	GMP 1 x 3 seasons

7	<p>Encounter hard rock that needs to be excavated in excess of what is included in budget which triggers T&M tracking and payment over 8-hours of hydraulic hammering at a given location. Anticipated hard rock that may trigger this could include bedrock and/or large non-excavatable boulders.</p> <p>One trigger would be in excess of 8 hours of hammering per week that affects the pipe crew's production.</p> <p>Another would be if production begins to be affected when the lay crew catches up to the hammer hoe and is unable to install additional pipe.</p> <p>Pipe crew is considered labor, equipment, hauling, and subcontractors necessary to complete typical pipe installation.</p>	<ul style="list-style-type: none"> - Improved quantification of known hard rock locations (to identify LF of trench) via GPR intel, followed up with pre-work package to include potholing (conventional or track-drilling). - Estimate includes Hammer Hoe attachment for nuisance rock - Rock-splitting to remove rock. - Correlate HDR PDR (June 2012) Rock excavation limits to current plan set 	Cost & Schedule	33%	\$ 8,826,560.00	\$ 2,912,764.80	89	29.37	<p>East Shore Trail = \$1.2 Million</p> <p>30% of alignment = 8,900 LF</p> <p>100 LF per day = 89 days x \$6,500/day</p> <p>Traffic Control = \$7,800/day x 89 days</p> <p>GCs = \$18k x 89 days</p>	
9	<p>This is risk associated with ground water in excess of what GC can pump with a 2" sump pump and discharge onsite (Granite is considering this nuisance water). This will be triggered if Granite needs to upsize the pump, treat the water that is in the work zone, and/or offhaul water in water trucks.</p>	<p>Proper Permits & Dewatering Equip, coordinate with local agencies</p>	Cost & Schedule	25%	\$ 50,000.00	\$ 12,500.00	4	1	<p>Account for 500LF of overall pipeline length (near Bliss, Secret Creek, and Skunk Harbor)</p> <p>500 LF = 1 months rent (de-watering system) x \$50,000 per month</p>	
12	<p>Delay start of construction due to availability of materials, weather delay, funding, permitting.</p>	<p>Identify & Order Early/Separate GMP</p>	Cost & Schedule	33%	\$ 125,000.00	\$ 41,250.00	22	7.26	<p>Delay start of a single season by 1 month causing an additional 5th season.</p> <p>Mob, Rent, Permits = \$125k</p>	
13	<p>Escalations (Labor, equipment, materials, fuel (currently, to be broken out separately into individual items).</p>	<p>Order Early/Separate GMPs/Identify Stockpile storage location options</p> <p>At for Construction Design, GC includes Labor and Equipment (less fuel) escalations.</p> <p>Materials escalations to remain as Risk</p>	Cost	50%	\$ 1,000,000.00	\$ 500,000.00	0	0	<p>5% year over year</p>	<p>Direct Cost less GCCO Labor & Equipment = \$20,310,000.</p> <p>At 5% = \$1,000,000</p>
17	<p>Encounter unsuitable material during screening native material for Intermediate Backfill. Cost to offhaul and import new material</p>		Cost	0%	\$ 332,150.00	\$ -	0	0	<p>Intermediate Backfill = 5,643 CY x \$50/CY Buy/Haul</p> <p>added allowance for offhaul / disposal of unsuitable material = \$50k</p>	

22	If NDOT right-of-way staging areas at Spooner Summit are not available for project use at time of construction.	Use IVGID property or other location outside of basin (i.e. bottom of US 50)	Cost	33%	\$ 7,317,634.00	\$ 2,414,819.22	0	0	Risk Associated with losing our yard access. Lowering risk probability for GMP 1 due to preliminary occupancy permit discussed with NDOT for this season. Schedule impacts are significant. Without a yard, there can be no night shift. This would double our pipe install durations, schedule impacts from potholing, sawcutting, rail shifting, stringing pipe, etc. 70 added days of pipe, rail shifting, patch back. 70 x TC \$9,125 = \$638,750 70 x GC \$16,000 = \$1,120,000	Per recent discussions with NDOT permits regarding upcoming NDOT projects on US 50 and SR 28, the current yard use at SR 28 and US 50 "Spooners" summit is not guaranteed for IVGID's projects.
24	Emergency reposnse - Wildfire / Traffic accident	Emergency Response Plan	Cost & Schedule	25%	\$ 1,584,000.00	\$ 396,000.00	88	22	GCs = \$18,000/day x 1 month x 4 seasons	GMP 1 x 3 seasons
25	Added requirement to modify traffic control plan/system	Add Pilot Car	Cost	10%	\$ 1,234,066.00	\$ 123,406.60	0	0	Pilot Car: 4 Seasons	GMP 1 x 3 seasons
27	Unforeseen Special Events (Races & Marathons)	Consult Stakeholders Early & Often	Cost & Schedule	10%	\$ 516,000.00	\$ 51,600.00	20	2	4 Seasons X 5 Days = 20 Days Traffic Control = \$7,800/day x 20 days GCs = \$18k x 20 days	
29	Unforeseen TRPA required remediation measures at staging yards and/or areas in project limits.		Cost	67%	\$ 100,000.00	\$ 67,000.00	0	0		
35	Traffic Control Days - Additional Days for Schedule Delays		Cost	33%	\$ 818,786.25	\$ 270,199.46	380	89.73	Separate line item that will be used to track additional TC days due to unforeseen field conditions and other risks. TC per day = \$9,125 Potential risk of days = 10 days	GMP 1 x 3 seasons
Totals					\$	7,734,535.62	380	89.73		

MEMORANDUM

TO: Board of Trustees

THROUGH: Indra Winqest, District General Manager
Brad Underwood, Director of Public Works

FROM: Bree Waters, District Project Manager

SUBJECT: Review, Discuss and Possibly Approve an Increase to the Project Budget for the Skate Park Enhancement Project (CIP #4378BD2202) in an amount determined by the Board and currently estimated not to exceed \$500,000 (Requesting Staff Member: Director of Public Works Brad Underwood)

**RELATED STRATEGIC
PLAN BUDGET
INITIATIVE(S):**

LONG RANGE PRINCIPLE #1 - SERVICE

The District will provide superior quality service through responsible stewardship of District resources and assets with an emphasis on the parcel owner and customer experience.

Long Term Initiative #6 - Execute the short and long term strategy as they relate to various district venue and facility master plans and studies as the roadmap for the future.

LONG RANGE PRINCIPLE #5 – ASSETS AND INFRASTRUCTURE

The District will practice perpetual asset renewal, replacement and improvement to provide safe and superior long term utility services and recreation venues, facilities, and services.

Long Term Initiative #2 - Continue to implement top priorities identified in the Community Service Master Plan priorities as defined by the Board of Trustees.

Budget Initiatives D - Allocate capital expenditures to maintain services and facilities.

**RELATED DISTRICT
POLICIES, PRACTICES,
RESOLUTIONS OR
ORDINANCES**

Capital Planning Multi-
Year Capital Planning Policy 12.1.0; Capital
Planning Capital Project Budgeting Policy 13.1.0

DATE: May 25, 2023

I. RECOMMENDATION

The Board of Trustees make a motion to possibly approve funding for the Skate Park Enhancement Project (CIP #4378BD2202) in an amount determined by the Board and currently estimated not to exceed \$500,000.

II. BACKGROUND

In April 2000, the Board took action to move forward with the design of the Incline Skate Park. The community came together and in 2001, Incline Skate Park was built. The primary purpose for the District to pursue the construction of the Incline Skate Park was to get local skateboarders off the streets, sidewalks, parking lots and other public and private spaces, where skateboarding is dangerous to skateboarders and the public. The skate park also provided positive opportunities for skaters to have fun and improve their skills in a safe environment.

For over twenty years, the skate park has been a popular destination for skateboarders of all ages and skill levels; however, the skate park no longer meets the needs of the skateboarders and the community. Over time, the skate park has deteriorated and renovations are needed for the poor condition of the cracked concrete, rusted metal, and damaged equipment. These poor conditions along with the size of the skate park, in relation to the number of users, pose a safety risk to the users of the skate park. The Incline Skate Park, in relation to the surrounding area skate parks, is the smallest and, in addition, the existing skate park is limited, with very few beginner features and does not provide enough space or variety for skateboarders to practice and develop their skills. The Incline Skate Park is one of the community's most used facilities, with camps in high demand that sell out days after opening.

The Community Services Master Plan (CSMP), updated in 2019, includes Top Tier and Second Tier Recommendations (Pages 132-139). A Second Tier Recommendation is the Skate Park Enhancement Project. The CSMP states, "The skatepark has the potential to provide a better range of structures to meet both beginner and experienced user needs. The current design is focused more towards experienced users, which reduces overall use." The CSMP also states, "The skatepark is adequate but is not designed for multiple age groups/ability levels. Incorporating a variety of elements for both beginners, young skaters and experienced skaters will enhance the facility. These enhancements have community support and could greatly increase the use of community resources."

The CSMP also states that the expansion and additional features and amenities had an estimated cost of \$500,000 - \$1,000,000 in 2018 dollars.

The Board Priority projects were discussed at the Jan. 12, 2022 Board Meeting and the Skatepark Enhancement Project became a Board Priority Project. During the summer of 2022, staff applied for and received a grant from Washoe County for enhancement of the Incline Skate Park. At the Dec. 14, 2022 Board Meeting, the Board moved to accept the Washoe County Notice of Subaward (Non-Competitive Grant) in the amount of \$250,000 for the purpose of enhancing the existing Skate Park. The Board was told by staff at this time that although there was funding budgeted between FY 22 and FY 26 in the amount of \$190,00, and with the current construction climate, it was likely that additional funding would be necessary.

Renovating and enhancing the skate park will benefit the community by providing a safe place for skateboards, which promotes physical activity and a healthy lifestyle, especially for young people. By increasing and expanding the existing skate park, the enhancements will encourage beginners as well as more advanced skaters to use the park. The skate park is also open to the public, making it an affordable and accessible activity for all families in our community.

III. BID RESULTS

Not applicable.

IV. FINANCIAL IMPACT AND BUDGET

The Tentative Fiscal Year (FY) 23/24 Budget included funding in the amount of \$250,000. Project funding is provided through a grant award from Washoe County. Per the conditions of the grant, the project is to be completed by Dec. 2026. The updated project cost estimate for proposed renovations and enhancements is \$500,000. The FY23/24 Final Budget is being updated to reflect this cost estimate, with additional funding to be provided through a General Fund appropriation from available fund balance. This funding recommendation is consistent with the Board's direction of transferring parks' operations, maintenance and capital projects to the General Fund, and will be reflected in the upcoming FY23/24 Final Budget for Board consideration at this Board Meeting.

V. ALTERNATIVES

The alternatives to approving staff recommendation to increase the budget for the Skate Park Enhancement Project to \$500,000 would be:

1. Not approve the recommendation to increase the budget and use the Washoe County Grant funding to renovate the existing skate park and make the necessary improvements to fix safety issues, i.e. cracking concrete, rusted metal and damaged equipment.
2. Fund Phase 2 at a later date to include the addition of a larger concrete

pad with bolt-in skate features.

VI. COMMENTS

Staff will proceed with conceptual design if the motion is approved. Once the conceptual design and construction estimate has been developed, staff will bring the project back to the Board for discussion and approval.

VII. BUSINESS IMPACT/BENEFIT

Renovating the skate park will have economic benefits for our community. A renovated skatepark would attract visitors, including skateboarders from other communities, which would boost local businesses. Additionally, a renovated skate park could be used as a venue for events and competitions, which would bring more visitors and revenue to our community.

VIII. ATTACHMENTS

None

IX. DECISION POINTS NEEDED FROM THE BOARD OF TRUSTEES

The Board of Trustees make a motion to possibly approve funding for the Skate Park Enhancement Project (CIP #4378BD2202) in an amount determined by the Board and currently estimated not to exceed \$500,000.

MEMORANDUM

TO: Board of Trustees

THROUGH: Indra Winqest, District General Manager

FROM: Brad Underwood, Director of Public Works

SUBJECT: Review, discuss and possibly approve the rebuild of three Caterpillar 950G loaders by Empire Southwest (formerly Cashman Equipment) and purchase of tire chains from Silver State International (Requesting Staff Member: Director of Public Works Brad Underwood)

RELATED STRATEGIC PLAN BUDGET INITIATIVE(S):

LONG RANGE PRINCIPLE #5 – ASSETS AND INFRASTRUCTURE

The District will practice perpetual asset renewal, replacement and improvement to provide safe and superior long term utility services and recreation venues, facilities, and services.

Budgeted Initiatives for 2021 - 2023 Item D.

Allocate capital expenditures to maintain services and facilities.

RELATED DISTRICT POLICIES, PRACTICES, RESOLUTIONS OR ORDINANCES

Board Policy 12.1.0 Capital Planning - Multi-Year Capital Planning
Board Policy 13.1.0 Capital Planning - Capital Project Budgeting
Board Practice 13.2.0 Capital Planning – Capital Expenditures
Board Policy 20.1.0 Purchasing Policy for Goods and Services

DATE: May 25, 2023

I. RECOMMENDATION

That the Board of Trustees:

1. Approve a purchase order contract with Empire Southwest for the rebuild of three 2002 950G Caterpillar Loaders, in the total amount of \$675,000.00 (CIP Project Numbers 2097HE1729, 2097HE1730 and 3463HE1723).

2. Authorize the issuance of a purchase order with Silver State International for the purchase of loader tire chains for three 950G loaders (CIP 2097HE1725 and 3463HE1722).
3. Authorize the transfer of funds in the amount of \$6,352 from CIP project number 2097HE1729 to CIP project number 2097HE1725.
4. Authorize the transfer of funds in the amount of \$3,426 from CIP project number 3463HE1723 to CIP project number 3463HE1722.
5. Authorize the Director of Public Works to sign the Purchase Order Contract in substantially the form presented.

II. BACKGROUND

The District owns and operates three 2002 950G Caterpillar loaders used by the Public Works Department and Diamond Peak Ski Resort for snow removal at all District Facilities during the winter and earthwork and construction needs during the summer season. Snow removal is key to Diamond Peak Ski Resort operations as Public Works clears Ski Way up to the resort for staff and customer access. It is also key for Public Works facilities such as the Corporation Yard, Water Resource Recovery Facilities, Water Plant, Water Reservoirs, and various pump stations. Having access to these key Public Works facilities is key to responding to any needs or emergencies for continual sewer and water operations for the community.

The District identified these loaders for replacement in 2017 and has included them in the CIP program since then. The life of the equipment has been extended several times due to its age and condition. Now at 21 years old, there is a need to replace these loaders. However, there is an opportunity to take advantage of a new program provided by Empire Southwest of Sparks, Nevada. This would be to rebuild the loaders at a cost less than that of replacement (see attachment). Rebuilding the loaders would restore them to a like-new operating condition and include a 5-year warranty. The rebuild of the loaders would extend their life expectancy by approximately 15 to 20 years.

This proposed loader rebuild is in lieu of a new purchase, which was planned as part of the FY 2022/23 Capital Improvement Budget approved by the Board of Trustees on May 26, 2022. If the loaders were purchased instead of rebuilt, the District would have the option to participate in a buyback program offered through Empire Southwest. The program allows for buyback of the loaders after 5 years or 5,000 hours whichever comes first. The buyback option provides a 62% credit of the original loader purchase price which is applied to the purchase of a new loader. (See attachment).

The loader tire chains are inspected and assessed every year. The existing chains have been in use for seven winters and have reached the end of their service life and need to be replaced before next winter season. This replacement purchase (see attachment) is part of the FY 2022/23 Capital Improvement Budget and was approved by the Board of Trustees on May 26, 2022.

III. BID RESULTS

The proposed procurement to rebuild the loaders complies with NRS 332.115, it is a sole source purchase from Empire Southwest, which is offering the rebuild program and is the local Caterpillar dealer. Silver State International is also the Sole Source Supplier for Pwag Loader Tire Chains. As a result, staff did not seek competitive bids for either purchase.

IV. FINANCIAL IMPACT AND BUDGET

In addition to some budgetary savings, the completion of the proposed loader rebuild will eliminate the need to carry out capital projects 2097LE1720, 2097LE1721 and 3464LE1729 for a combined budget of \$57,000 in FY 2022/23. These projects are intended to adapt existing implements that attach to our loaders since new loaders have a different attachment mounting. With the loader rebuild taking place, the adaptation would no longer be needed. If we purchased new loaders the budget would need to be increased.

The following is an analysis of the budget variance that results from the loader rebuild option versus the loader purchase.

Loader Rebuild Recommendation			
Description	Cost	FY 2022/23 Budget	Budget Variance
Caterpillar 950G Loader (CIP 2097HE1729)	\$225,000	\$265,000	\$40,000
Caterpillar 950G Loader (CIP 2097HE1730)	\$225,000	\$265,000	\$40,000
Caterpillar 950G Loader (CIP 3463HE1723)	\$225,000	\$265,000	\$40,000
Loader Tire Chains (CIP 2097HE1725)	\$26,352	\$20,000	\$(6,352)
Loader Tire Chains (CIP 3463HE1722)	\$13,176	\$9,750	\$(3,426)
Projects no longer needed as a result of the loader rebuilt:			
Snowplow #300A (CIP 2097LE1720)	\$0	\$19,000	\$19,000
Snowplow #307A (CIP 2097LE1721)	\$0	\$19,000	\$19,000
Snowplow #304A (CIP 3464LE1729)	\$0	\$19,000	\$19,000
Total Budget Variance			\$167,220

Loader Purchase Option			
Description	Cost	FY 2022/23 Budget	Budget Variance
Caterpillar 950G Loader (CIP 2097HE1729)	\$304,719	\$265,000	\$(39,719)
Caterpillar 950G Loader (CIP 2097HE1730)	\$304,719	\$265,000	\$(39,719)
Caterpillar 950G Loader (CIP 3463HE1723)	\$304,719	\$265,000	\$(39,719)
Loader Tire Chains (CIP 2097HE1725)	\$26,352	\$20,000	\$(6,352)
Loader Tire Chains (CIP 3463HE1722)	\$13,176	\$9,750	\$(3,426)

Current loader sale proceeds (3 loaders at \$50,000 each)	\$150,000	\$0	\$150,000
Projects needed due to loader purchase (Cost based on budget):			
Snowplow #300A (CIP 2097LE1720)	\$19,000	\$19,000	\$0
Snowplow #307A (CIP 2097LE1721)	\$19,000	\$19,000	\$0
Snowplow #304A (CIP 3464LE1729)	\$19,000	\$19,000	\$0
Total Budget Variance			\$21,065

While the cost difference between purchasing new loaders and rebuilding the existing loaders is relatively small (approximately \$150,000) staff recommends proceeding with the rebuild option. Advantages of rebuilding the current equipment are the low hours, there is not as much electronic controls making the loaders more simple to operate maintain, fleet staff know how to maintain the current loaders and will not need additional training or instrumentation to troubleshoot problems. We believe that this will result in lower maintenance costs and less downtime over the life of the equipment, expected to be 15 to 20 years. The rebuild will provide the reliability that is needed to perform snow removal.

V. ALTERNATIVES

1. Purchase new loaders
2. Purchase new loaders with buyback program option
3. Defer Action

Deferring this equipment rebuild and purchase of the loader tire chains may have negative impacts on District snow removal operations, since due to the age of the equipment, there is an increased risk of failure and high downtime for repairs.

VI. COMMENTS

The Purchase Order Contract has been reviewed and approved substantially by District Legal Counsel.

VII. BUSINESS IMPACT/BENEFIT

During the winter months, snow removal operations throughout District facilities rely heavily on these three 950G Caterpillar Loaders. During the summer, the loaders aid in earthwork and construction needs. The useful life of the loaders was extended several times since 2017 and they are ready for replacement. The like-new condition provided by the loader rebuild will allow for more certainty of service for these critical District needs, which directly affects customer service for the users of our venues.

This item is a “rule” within the meaning of Nevada Revised Statutes, Chapter 237, but it does not impose a direct and significant economic burden on a business or directly restrict the formation, operation or expansion of a business. Therefore, it does not require a Business Impact Statement.

VIII. ATTACHMENTS

1. Empire Southwest Rebuild Quotes (3)
2. Empire Southwest Buyback Program Letter
3. Silver State International Tire Chain Quotes (2)
4. Empire Southwest Purchase Order Contract

IX. DECISION POINTS NEEDED FROM THE BOARD OF TRUSTEES

That the Board of Trustees:

1. Approve a purchase order contract with Empire Southwest for the rebuild of three 2002 950G Caterpillar Loaders, in the total amount of \$675,000.00 (CIP Project Numbers 2097HE1729, 2097HE1730 and 3463HE1723).
2. Authorize the issuance of a purchase order with Silver State International for the purchase of loader tire chains for three 950G loaders (CIP 2097HE1725 and 3463HE1722).
3. Authorize the transfer of funds in the amount of \$6,352 from CIP project number 2097HE1729 to CIP project number 2097HE1725.
4. Authorize the transfer of funds in the amount of \$3,426 from CIP project number 3463HE1723 to CIP project number 3463HE1722.
5. Authorize the Director of Public Works to sign the Purchase Order Contract in substantially the form presented.

Empire Southwest Rebuild Quotes (3)



INCLINE VILLAGE GEN IMPROVE DISTRICT
893 SOUTHWOOD BLVD
INCLINE VILLAGE

CUSTOMER NO.	PROPOSAL NO.	DATE	CONTACT
046823	94536	4/18/2023	FRANK MOSER
PHONE NO.	FAX NO.	EMAIL	
775-385-2217			
MODEL	MAKE	SERIAL NO.	
950G	AA	03JW02811	
UNIT NO.	HOURS	WO NO.	P.O. NO.
523	4115		

Note

CAT CERTIFIED POWERTRAIN PLUS HYDRAULICS REBUILD INCLUDES: RADIATOR, ENGINE, CEM, TRANS, T/C, AXLES ASSEMBLIES, FAN PUMP, DRIVE SHAFT, PAINT MACHINE. CYLINDERS, PUMPS, VALVES, HOSES, RECON TANK AND PRODUCT LINK
 EXCLUDES: MAJOR FRAMES, ASSEMBLIES, WHEELS & TIRES AFTER DISASSEMBLY & CLEANING. MAJOR ITEMS WILL BE INSPECTED PER REUSABILITY GUIDELINES AND AN ADDITIONAL ESTIMATE WILL BE PROVIDED FOR PARTS, LABOR, & MACHINE WORK.
 TRANSPORT COSTS ARE NOT INCLUDED IN THIS ESTIMATE. ANY TRANSPORT CHARGES WILL BE ADDITIONAL.

SEGMENT: 00 INSPECT MACHINE
 NOTES:

Labor
Misc

Segment 00 Total: 324.00

SEGMENT: 01 RECONDITION COOLING PACKAGE
 NOTES:
 REMOVE & INSTALL COOLING PACKAGE FOR RECONDITION
 INCLUDES: HOSES, SEALS, MOUNTS & COOLANT,
 INCLUDES FAN MOTOR AND PUMP
 DISASSEMBLE AND ASSEMBLE RADIATOR ASSEMBLY-
 REPLACE RADIATOR, SEND COOLERS TO ARROWHEAD
 RADIATOR.

Parts

Labor
Misc

Segment 01 Total: 22,009.00

SEGMENT: 02 REMOVE & INSTALL POWERTRAIN COMPONENTS
NOTES:
INCLUDES FLUID AND POWERTRAIN HARNESES

Parts
Labor
Misc

Segment 02 Total: 6,061.00

SEGMENT: 03 RECONDITION ENGINE
NOTES:
REPLACE WITH CAT NEW COMPLETE.
NEW NOX REDUCTION SYSTEM (NRS) DIFFERENTIAL
PRESSURE SENSOR REQUIRED
NEW FLYWHEEL HOUSING BOLTS REQUIRED

Parts
Labor
Misc

Segment 03 Total: 47,602.00

SEGMENT: 04 REPLACE DRIVETRAIN OIL LINES
NOTES:
REPLACE POWERTRAIN OIL LINES
INCLUDES: HOSES, HOSE SEALS, & FILTERS

Parts
Labor
Misc

Segment 04 Total: 3,317.00

SEGMENT: 05 RO LEVEL 2 - RECONDITION TRANS & TORQUE CONVERTER
NOTES:
INCLUDES PARKING BRAKE.

Parts

Labor
Misc

Segment 05 Total: 24,129.00

SEGMENT: 06 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (FR)
NOTES:
REQUIREMENT FOR THE REBUILD PROCESS.

Parts

Labor
Misc

Segment 06 Total: 15,988.00

SEGMENT: 07 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (RE)
NOTES:
REQUIREMENT FOR THE REBUILD PROCESS.

Parts

Labor
Misc

Segment 07 Total: 16,308.00

SEGMENT: 08 RECONDITION DRIVE SHAFT
NOTES:
INCLUDES REMAN SLIP JOINT, CARRIER BEARING,
UJOINTS AND HARDWARE.

Parts

Labor
Misc

Segment 08 Total: 2,625.00

SEGMENT: 09 REMOVE & INSTALL HYDRAULIC SYSTEM
NOTES:

Parts

Labor
Misc

Segment 09 Total: 6,428.00

SEGMENT: 10 RECONDITION HOSES & LINES
NOTES:
REPLACE ON ALL HOSES / LINES FOR THE FUEL
SYSTEM, & HYDRAULIC SYSTEM, STEERING, BRAKING,
OIL AND VALVES, HOOD PUMP LIFT, ACCUMULATORS,
TRANS DIAGNOSTIC LINES, AXLE COOLER LINES
IMPROVED DISCHARGE HYDRAULIC HOSE ASSEMBLY
ROUTING IS REQUIRED
NEW SECONDARY STEERING RELAY BRACKET IS REQUIRED
ORIENTATION OF THE ELBOW ASSEMBLY IN THE BRAKE
LINES GROUP HAS BEEN IMPROVED
A NEW SEAL IS AVAILABLE TO DAMPEN THE
VIBRATION OF THE BRAKE ACCUMULATORS REQUIRED

Parts

Labor
Misc

Segment 10 Total: 24,211.00

SEGMENT: 11 RECONDITION HYDRAULIC TANK
NOTES:
REPLACE, SEALS, GASKETS, GAUGE, MOUNTS.

Parts

Labor
Misc

Segment 11 Total: 3,381.00

SEGMENT: 12 RECONDITION HYDRAULIC CONTROL VALVE
NOTES:
RECONDITION MAIN CONTROL VALVE ASSY

LOWERING CONTROL VALVE
AN IMPROVED ANTI-DRIFT CHECK VALVE GROUP IS
REQUIRED

Parts

Labor

Misc

Segment 12 Total: 7,366.00

SEGMENT: 13 REPLACE IMPLEMENT PUMP
NOTES:
REMOVE, INSTALL AND REPLACE IMPLEMENT PUMPS &
SEALS AND GASKETS.

Parts

Labor

Misc

Segment 13 Total: 18,559.00

SEGMENT: 14 RECONDITION HYDRAULIC CYLINDERS
NOTES:
LIFT, TILT AND STEERING CYLINDERS

Parts

Labor

Misc

Segment 14 Total: 21,631.00

SEGMENT: 85 INSTALL PRODUCT LINK SYSTEM
NOTES:

Parts

Labor

Misc

Segment 85 Total: 2,108.00

SEGMENT: 86 TEST/CHECK & ADJUST MACHINE
NOTES:
TEST MACHINE AFTER REPAIRS TO INSURE FLUID LEVELS
ARE CORRECT, CURRENT SOFTWARE INSTALLED, VERIFY
SYSTEM PRESSURES / OPERATION OF THE MACHINE.
CALIBRATION OF THE SYSTEMS. VERIFY MACHINE
SAFETY ITEMS ARE FUNCTIONING, EXCLUDES FIRE
SUPPRESSION SYSTEMS

Labor
Misc

Segment 86 Total: 3,960.00

SEGMENT: 87 DELIVER MACHINE
NOTES:
TRAVEL TO AND FROM MACHINE DURING DELIVERY TO
ENSURE IT IS OPERATIONAL ON LOCATION.

Labor
Misc

Segment 87 Total: 1,320.00

SEGMENT: 88 PERFORM PRE-DELIVERY WARRANTY
NOTES:
FREE 3 YEAR / 5,000 HOUR POWERTRAIN PLUS HYDRAULIC
WARRANTY.
DISCOUNTED ON SEGMENT 90

Labor
Misc

Segment 88 Total: 7,790.00

SEGMENT: 89 PAINT MACHINE
NOTES:
PAINT, PREP WORK AND REPLACE DECALS.

Parts

Labor
Misc

Segment 89 Total: 7,000.00

SEGMENT: 90 PERFORM CASHMAN FOCUS PROGRAMS
NOTES:
INSPECTION FOCUS PROGRAM
15% POWERTRAIN FOCUS PROGRAM
FOCUS PAINT PROGRAM
FREE 3 YEAR/5000 HOUR POWERTRAIN HYDRAULIC EPP

Labor
Misc

Segment 90 Total:	-17,117.00
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Total Segments:	225,000.00
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SUB TOTAL (BEFORE TAXES)	225,000.00
---------------------------------	------------

PO#: _____ Authorized Name: _____ (signature)

Date: _____ (print)

Thank you for this opportunity to serve your company

CONTACT INFORMATION:

Prepared by: Frank Morser Phone: 775-385-2217 Email: FrankMorser@cashmanequipment.com Fax:

This Proposal is an approximation of charges to customer based upon information customer provided for work to be completed. This Proposal shall be valid for thirty (30) days after the date set forth above, after which the offer to enter into this agreement will automatically expire unless extended in writing by Cashman Equipment Company. Customer's acceptance of this Proposal after its expiration shall become an offer by customer to Cashman Equipment Company, which Cashman Equipment Company may accept or reject. Pricing is subject to change with any modification to the scope of work prior to customer's acceptance of this Proposal. Any purchases made pursuant to this Proposal are subject to Cashman Equipment Company's Terms and Conditions available at www.CashmanEquipment.com/terms. This proposal and its contents are being provided on a confidential basis and may not be disclosed to any third party or used for any other purpose without the express written permission of Cashman Equipment Company.

Ask me about our 0% financing options on parts and labor.



an Empire Southwest Company

Proposal

INCLINE VILLAGE GEN IMPROVE DISTRICT
893 SOUTHWOOD BLVD
INCLINE VILLAGE

CUSTOMER NO.	PROPOSAL NO.	DATE	CONTACT
046823	94535	4/18/2023	FRANK MOSER
PHONE NO.	FAX NO.	EMAIL	
775-385-2217			
MODEL	MAKE	SERIAL NO.	
950G	AA	03JW02777	
UNIT NO.	HOURS	WO NO.	P.O. NO.
524	6462		

Note

CAT CERTIFIED POWERTRAIN PLUS HYDRAULICS REBUILD
 INCLUDES: RADIATOR, ENGINE, CEM, TRANS, T/C, AXLES
 ASSEMBLIES, FAN PUMP, DRIVE SHAFT, PAINT MACHINE.
 CYLINDERS, PUMPS, VALVES, HOSES, RECON TANK AND
 PRODUCT LINK
 EXCLUDES: MAJOR FRAMES, ASSEMBLIES, WHEELS & TIRES
 AFTER DISASSEMBLY & CLEANING. MAJOR ITEMS WILL BE
 INSPECTED PER REUSABILITY GUIDELINES AND AN
 ADDITIONAL ESTIMATE WILL BE PROVIDED FOR PARTS,
 LABOR, & MACHINE WORK.
 TRANSPORT COSTS ARE NOT INCLUDED IN THIS ESTIMATE.
 ANY TRANSPORT CHARGES WILL BE ADDITIONAL.

SEGMENT: 00 INSPECT MACHINE
 NOTES:

Labor
 Misc

Segment 00 Total: 324.00

SEGMENT: 01 RECONDITION COOLING PACKAGE
 NOTES:
 REMOVE & INSTALL COOLING PACKAGE FOR RECONDITION
 INCLUDES: HOSES, SEALS, MOUNTS & COOLANT,
 INCLUDES FAN MOTOR AND PUMP
 DISASSEMBLE AND ASSEMBLE RADIATOR ASSEMBLY-
 REPLACE RADIATOR, SEND COOLERS TO ARROWHEAD
 RADIATOR.

Parts

Labor
Misc

Segment 01 Total: 22,009.00

SEGMENT: 02 REMOVE & INSTALL POWERTRAIN COMPONENTS
NOTES:
INCLUDES FLUID AND POWERTRAIN HARNESES

Parts
Labor
Misc

Segment 02 Total: 6,061.00

SEGMENT: 03 RECONDITION ENGINE
NOTES:
REPLACE WITH CAT NEW COMPLETE.
NEW NOX REDUCTION SYSTEM (NRS) DIFFERENTIAL
PRESSURE SENSOR REQUIRED
NEW FLYWHEEL HOUSING BOLTS REQUIRED

Parts
Labor
Misc

Segment 03 Total: 47,602.00

SEGMENT: 04 REPLACE DRIVETRAIN OIL LINES
NOTES:
REPLACE POWERTRAIN OIL LINES
INCLUDES: HOSES, HOSE SEALS, & FILTERS

Parts
Labor
Misc

Segment 04 Total: 3,317.00

SEGMENT: 05 RO LEVEL 2 - RECONDITION TRANS & TORQUE CONVERTER
NOTES:
INCLUDES PARKING BRAKE.

Parts

Labor
Misc

Segment 05 Total: 24,129.00

SEGMENT: 06 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (FR)
NOTES:
REQUIREMENT FOR THE REBUILD PROCESS.

Parts

Labor
Misc

Segment 06 Total: 15,988.00

SEGMENT: 07 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (RE)
NOTES:
REQUIREMENT FOR THE REBUILD PROCESS.

Parts

Labor
Misc

Segment 07 Total: 16,308.00

SEGMENT: 08 RECONDITION DRIVE SHAFT
NOTES:
INCLUDES REMAN SLIP JOINT, CARRIER BEARING,
UJOINTS AND HARDWARE.

Parts

Labor
Misc

Segment 08 Total: 2,625.00

SEGMENT: 09 REMOVE & INSTALL HYDRAULIC SYSTEM
NOTES:

Parts

Labor
Misc

Segment 09 Total: 6,428.00

SEGMENT: 10 RECONDITION HOSES & LINES
NOTES:
REPLACE ON ALL HOSES / LINES FOR THE FUEL
SYSTEM, & HYDRAULIC SYSTEM, STEERING, BRAKING,
OIL AND VALVES, HOOD PUMP LIFT, ACCUMULATORS,
TRANS DIAGNOSTIC LINES, AXLE COOLER LINES
IMPROVED DISCHARGE HYDRAULIC HOSE ASSEMBLY
ROUTING IS REQUIRED
NEW SECONDARY STEERING RELAY BRACKET IS REQUIRED
ORIENTATION OF THE ELBOW ASSEMBLY IN THE BRAKE
LINES GROUP HAS BEEN IMPROVED
A NEW SEAL IS AVAILABLE TO DAMPEN THE
VIBRATION OF THE BRAKE ACCUMULATORS REQUIRED

Parts

Labor
Misc

Segment 10 Total: 24,211.00

SEGMENT: 11 RECONDITION HYDRAULIC TANK
NOTES:
REPLACE, SEALS, GASKETS, GAUGE, MOUNTS.

Parts

Labor
Misc

Segment 11 Total: 3,381.00

SEGMENT: 12 RECONDITION HYDRAULIC CONTROL VALVE
NOTES:
RECONDITION MAIN CONTROL VALVE ASSY

LOWERING CONTROL VALVE
AN IMPROVED ANTI-DRIFT CHECK VALVE GROUP IS
REQUIRED

Parts

Labor

Misc

Segment 12 Total: 7,366.00

SEGMENT: 13 REPLACE IMPLEMENT PUMP
NOTES:
REMOVE, INSTALL AND REPLACE IMPLEMENT PUMPS &
SEALS AND GASKETS.

Parts

Labor

Misc

Segment 13 Total: 18,559.00

SEGMENT: 14 RECONDITION HYDRAULIC CYLINDERS
NOTES:
LIFT, TILT AND STEERING CYLINDERS

Parts

Labor

Misc

Segment 14 Total: 21,631.00

SEGMENT: 85 INSTALL PRODUCT LINK SYSTEM
NOTES:

Parts

Labor

Misc

Segment 85 Total: 2,108.00

SEGMENT: 86 TEST/CHECK & ADJUST MACHINE
NOTES:
TEST MACHINE AFTER REPAIRS TO INSURE FLUID LEVELS
ARE CORRECT, CURRENT SOFTWARE INSTALLED, VERIFY
SYSTEM PRESSURES / OPERATION OF THE MACHINE.
CALIBRATION OF THE SYSTEMS. VERIFY MACHINE
SAFETY ITEMS ARE FUNCTIONING, EXCLUDES FIRE
SUPPRESSION SYSTEMS

Labor
Misc

Segment 86 Total: 3,960.00

SEGMENT: 87 DELIVER MACHINE
NOTES:
TRAVEL TO AND FROM MACHINE DURING DELIVERY TO
ENSURE IT IS OPERATIONAL ON LOCATION.

Labor
Misc

Segment 87 Total: 1,320.00

SEGMENT: 88 PERFORM PRE-DELIVERY WARRANTY
NOTES:
FREE 3 YEAR / 5,000 HOUR POWERTRAIN PLUS HYDRAULIC
WARRANTY.
DISCOUNTED ON SEGMENT 90

Labor
Misc

Segment 88 Total: 7,790.00

SEGMENT: 89 PAINT MACHINE
NOTES:
PAINT, PREP WORK AND REPLACE DECALS.

Parts

Labor
Misc

Segment 89 Total: 7,000.00

SEGMENT: 90 PERFORM CASHMAN FOCUS PROGRAMS
NOTES:
INSPECTION FOCUS PROGRAM
15% POWERTRAIN FOCUS PROGRAM
FOCUS PAINT PROGRAM
FREE 3 YEAR/5000 HOUR POWERTRAIN HYDRAULIC EPP

Labor
Misc

	Segment 90 Total:	-17,117.00
<hr/>		
	Total Segments:	225,000.00
<hr/>		
SUB TOTAL (BEFORE TAXES)		225,000.00
<hr/>		

PO#: _____ Authorized Name: _____ (signature)

Date: _____ (print)

Thank you for this opportunity to serve your company

CONTACT INFORMATION:

Prepared by: Frank Morser Phone: 775-385-2217 Email: FrankMorser@cashmanequipment.com Fax:

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Ask me about our 0% financing options on parts and labor.

Labor
Misc

Segment 01 Total: 22,009.00

SEGMENT: 02 REMOVE & INSTALL POWERTRAIN COMPONENTS
NOTES:
INCLUDES FLUID AND POWERTRAIN HARNESES

Parts
Labor
Misc

Segment 02 Total: 6,061.00

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NOTES:
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NEW NOX REDUCTION SYSTEM (NRS) DIFFERENTIAL
PRESSURE SENSOR REQUIRED
NEW FLYWHEEL HOUSING BOLTS REQUIRED

Parts
Labor
Misc

Segment 03 Total: 47,602.00

SEGMENT: 04 REPLACE DRIVETRAIN OIL LINES
NOTES:
REPLACE POWERTRAIN OIL LINES
INCLUDES: HOSES, HOSE SEALS, & FILTERS

Parts
Labor
Misc

Segment 04 Total: 3,317.00

SEGMENT: 05 RO LEVEL 2 - RECONDITION TRANS & TORQUE CONVERTER
NOTES:
INCLUDES PARKING BRAKE.

Parts

Labor

Misc

Segment 05 Total: 24,129.00

SEGMENT: 06 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (FR)
NOTES:
REQUIREMENT FOR THE REBUILD PROCESS.

Parts

Labor

Misc

Segment 06 Total: 15,988.00

SEGMENT: 07 RO LEVEL 2 - RECONDITION AXLE ARRANGEMENT (RE)
NOTES:
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Parts

Labor

Misc

Segment 07 Total: 16,308.00

SEGMENT: 08 RECONDITION DRIVE SHAFT
NOTES:
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UJOINTS AND HARDWARE.

Parts

Labor

Misc

Segment 08 Total: 2,625.00

SEGMENT: 09 REMOVE & INSTALL HYDRAULIC SYSTEM
NOTES:

Parts

Labor
Misc

Segment 09 Total: 6,428.00

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SYSTEM, & HYDRAULIC SYSTEM, STEERING, BRAKING,
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TRANS DIAGNOSTIC LINES, AXLE COOLER LINES
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ROUTING IS REQUIRED
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Parts

Labor
Misc

Segment 10 Total: 24,211.00

SEGMENT: 11 RECONDITION HYDRAULIC TANK
NOTES:
REPLACE, SEALS, GASKETS, GAUGE, MOUNTS.

Parts

Labor
Misc

Segment 11 Total: 3,381.00

SEGMENT: 12 RECONDITION HYDRAULIC CONTROL VALVE
NOTES:
RECONDITION MAIN CONTROL VALVE ASSY

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AN IMPROVED ANTI-DRIFT CHECK VALVE GROUP IS
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Parts

Labor
Misc

Segment 12 Total: 7,366.00

SEGMENT: 13 REPLACE IMPLEMENT PUMP
NOTES:
REMOVE, INSTALL AND REPLACE IMPLEMENT PUMPS &
SEALS AND GASKETS.

Parts

Labor
Misc

Segment 13 Total: 18,559.00

SEGMENT: 14 RECONDITION HYDRAULIC CYLINDERS
NOTES:
LIFT, TILT AND STEERING CYLINDERS

Parts

Labor
Misc

Segment 14 Total: 21,631.00

SEGMENT: 85 INSTALL PRODUCT LINK SYSTEM
NOTES:

Parts

Labor
Misc

Segment 85 Total: 2,108.00

SEGMENT: 86 TEST/CHECK & ADJUST MACHINE
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TEST MACHINE AFTER REPAIRS TO INSURE FLUID LEVELS
ARE CORRECT, CURRENT SOFTWARE INSTALLED, VERIFY
SYSTEM PRESSURES / OPERATION OF THE MACHINE.
CALIBRATION OF THE SYSTEMS. VERIFY MACHINE
SAFETY ITEMS ARE FUNCTIONING, EXCLUDES FIRE
SUPPRESSION SYSTEMS

Labor
Misc

Segment 86 Total: 3,960.00

SEGMENT: 87 DELIVER MACHINE
NOTES:
TRAVEL TO AND FROM MACHINE DURING DELIVERY TO
ENSURE IT IS OPERATIONAL ON LOCATION.

Labor
Misc

Segment 87 Total: 1,320.00

SEGMENT: 88 PERFORM PRE-DELIVERY WARRANTY
NOTES:
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WARRANTY.
DISCOUNTED ON SEGMENT 90

Labor
Misc

Segment 88 Total: 7,790.00

SEGMENT: 89 PAINT MACHINE
NOTES:
PAINT, PREP WORK AND REPLACE DECALS.

Parts

Labor
Misc

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FOCUS PAINT PROGRAM
FREE 3 YEAR/5000 HOUR POWERTRAIN HYDRAULIC EPP

Labor
Misc

	Segment 90 Total:	-17,117.00
<hr/>		
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SUB TOTAL (BEFORE TAXES)		225,000.00
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Ask me about our 0% financing options on parts and labor.

Empire Southwest Buyback Program Letter



Cashman Equipment

600 Glendale Avenue
Sparks, Nevada 89431
800.937.2326 tel
775.358.0433 fax

4/2023

Incline Village General Improvement District
893 Southwood Blvd
Incline Village, NV 89451

Richard Allen,

Cashman Equipment/Empire Southwest will provide a guaranteed buyback of 62% on any new 950GC's purchased in 2023. The buyback amount is 62% of the original purchase price. It would be effective at 5 year/5000 hours, whichever comes first.

The units must have a minimum of 50% tire and implement wear remaining. Any damaged or missing parts of the loader must be repaired.

The buyback is comparable to the percentage we have provided Washoe County in past bids.

Please let Deric Wagner or me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kent McCauley', written over a light blue horizontal line.

Kent McCauley
Empire Southwest
Reno Sales Manager
775-332-2405

Silver State International Tire Chain Quotes (2)



SILVER STATE INTERNATIONAL

2255 LARKIN CIRCLE SPARKS, NV 89431
WWW.SSITRUCKS.COM

Parts: (775) 685-6020
Parts Fax: (775) 685-6009
Service: (775) 685-6000
Service Fax: (775) 685-6015
Office: (775) 685-6000
Office Fax: (775) 685-6012

BILL TO INCLINE VILLAGE GEN IMP
893 SOUTHWOOD BLVD
INCLINE VILLAGE, NV 89451
P: (775) 832-1345

Customer Acct#: 101805

DELIVER TO INCLINE VILLAGE GEN IMP
1220 SWEET WATER RD
INCLINE VILLAGE NV 89451
P: (775) 832-1345

Customer Acct#: 101805

ESTIMATE: E201020381

ORIGINAL INVOICE:

DATE SHIPPED	SHIP VIA	DATE INVOICE	SALESPERSON	UNIT ID	VIN	SALE TYPE	TERMS	CUSTOMER PO NUMBER
4/19/2023	BEST WAY POSS		C. Pardon			PRET	AR	

QTY SHP	QTY B/O	ITEM	DESCRIPTION	RIN	LIST PRICE	UNIT PRICE	EXTD PRICE
4		201B/69149	12 MM UNIVERSALS	POUT	11,199.40	6,587.88	26,351.52

ESTIMATE

RETURNS: PARTS RETURNED MUST BE ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. MINIMUM CHARGE IS \$5.00. NO RETURNS AFTER 30 DAYS. ELECTRICAL PARTS CANNOT BE RETURNED. CUSTOMER HEREBY AGREES TO PAY ANY RESTOCKING FEES, DAMAGE CHARGES, & FREIGHT CHARGES DUE TO RETURNED PARTS AND CORES TO THE VENDOR AT AND/OR AFTER THE CREDIT HAS BEEN ISSUED.

DISCLAIMER OF WARRANTIES: ANY WARRANTIES ON THE PRODUCTS SOLD HEREBY ARE THOSE MADE BY THE MANUFACTURER, IF ANY. THE SELLER HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND THE SELLER NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF SAID PRODUCTS. WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATOR OF WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF. TERMS: ALL INVOICES ARE DUE AND PAYABLE 30 DAYS FROM THE DATE OF INVOICE. A FINANCE CHARGE (18% PER ANNUM) WILL BE CHARGED ON ALL PAST DUE INVOICES. PURCHASER AGREES TO PAY ALL COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

SUB-TOTAL: \$ 26,351.52
TAX: \$ 0.00
FREIGHT: \$ 0.00

TOTAL: \$ 26,351.52

Please Remit Payment to:
SILVER STATE INTERNATIONAL TRUCKS
PO BOX 889380
LOS ANGELES, CA 90088-9380
(T.I.N. 20-1588437)

PRINT NAME _____ DATE _____

CUSTOMER SIGNATURE x _____



SILVER STATE INTERNATIONAL

2255 LARKIN CIRCLE SPARKS, NV 89431
WWW.SSITRUCKS.COM

Parts: (775) 685-6020
Parts Fax: (775) 685-6009
Service: (775) 685-6000
Service Fax: (775) 685-6015
Office: (775) 685-6000
Office Fax: (775) 685-6012

BILL TO: INCLINE VILLAGE GEN IMP
893 SOUTHWOOD BLVD
INCLINE VILLAGE, NV 89451
P: (775) 832-1345

DELIVER TO INCLINE VILLAGE GEN IMP
1220 SWEET WATER RD
INCLINE VILLAGE NV 89451
P: (775) 832-1345

Customer Acct#: 101805

Customer Acct#: 101805

ESTIMATE: E201020382

ORIGINAL INVOICE:

DATE SHIPPED	SHIP VIA	DATE INVOICE	SALESPERSON	UNIT ID	VIN	SALE TYPE	TERMS	CUSTOMER PO NUMBER
4/19/2023	BEST WAY POSS		C. Pardon			PRET	AR	

QTY SHP	QTY B/O	ITEM	DESCRIPTION	R/N	LIST PRICE	UNIT PRICE	EXTD PRICE
2		201B/69149	12 MM UNIVERSALS	POUT	11,199.40	6,587.88	13,175.76

ESTIMATE

RETURNS: PARTS RETURNED MUST BE ACCOMPANIED BY ORIGINAL INVOICE AND ARE SUBJECT TO A RESTOCK CHARGE. MINIMUM CHARGE IS \$5.00. NO RETURNS AFTER 30 DAYS. ELECTRICAL PARTS CANNOT BE RETURNED. CUSTOMER HEREBY AGREES TO PAY ANY RESTOCKING FEES, DAMAGE CHARGES, & FREIGHT CHARGES DUE TO RETURNED PARTS AND CORES TO THE VENDOR AT AND/OR AFTER THE CREDIT HAS BEEN ISSUED.

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TERMS: ALL INVOICES ARE DUE AND PAYABLE 30 DAYS FROM THE DATE OF INVOICE. A FINANCE CHARGE (18% PER ANNUM) WILL BE CHARGED ON ALL PAST DUE INVOICES. PURCHASER AGREES TO PAY ALL COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

SUB-TOTAL: \$ 13,175.76
TAX: \$ 0.00
FREIGHT: \$ 0.00
TOTAL: \$ 13,175.76

Please Remit Payment to:
SILVER STATE INTERNATIONAL
TRUCKS
PO BOX 889380
LOS ANGELES, CA 90088-9380
(T.I.N. 20-1588437)

PRINT NAME _____ DATE _____

CUSTOMER SIGNATURE x _____

Empire Southwest
Purchase Order
Contract

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT – PURCHASE ORDER (SERVICES)

Account No. 20002297-8120 and 30343463-8120	Req. No.	Purchase Order No. Order Date: May 25 th , 2023 Delivery By: June 30, 2024 Buyer: Richard Allen Phone Number: 775-832-1345 E-mail: rda@IVGID.org	Remit to: INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
CONTRACTOR <u>Empire Southwest (Cashman Equipment)</u> <u>600 Glendale Avenue</u> <u>Sparks, Nevada 89431</u> Attn: _____		INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT	

This Purchase Order is subject to the attached terms and conditions.

Services:

This PURCHASE ORDER (SERVICES) is for Proposal No. 94535, 94536 and 94477 to rebuild three Caterpillar loaders (Units 523, 524, 525) with the following specifications: Cat certified powertrain plus hydraulics rebuild includes: radiator, engine, transmission, torque converter, axles assemblies, fan pump, drive shaft, paint machine, cylinders, pumps, valves, hoses, recondition tank and product link. This PO does not include major frames, assemblies, wheels & tires after disassembly & cleaning. Major items will be inspected per reusability guidelines and an additional estimate will be provided for parts, labor, & machine work. Transport costs are not included in this estimate. Any transport charges will be additional.

OWNER:
Incline Village G.I.D.
Agreed to:

CONTRACTOR:
Empire Southwest
Agreed to:

By: _____
 Brad B. Underwood, P.E.
 Director of Public Works

By: 
 Signature of Authorized Agent

LYLE C. KIBBE PSM
 Print or Type Name and Title

 Date

05/22/23
 Date

Reviewed as to Form:

 Joshua Nelson
 District General Counsel

If Contractor is a corporation, attach evidence of authority to sign.

 Date

PURCHASE ORDER TERMS AND CONDITIONS FOR SERVICES

1. Acceptance; Entire Agreement. This purchase order for services issued by the INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT ("DISTRICT") to the Contractor designated in the purchase order must be promptly accepted and acceptance is expressly limited to the terms of this order. Any addition or different terms in the Contractor's forms are hereby deemed to be material alterations and notice of objection to them and rejection of them is hereby given. Contractor's performance of any portion of this order shall be considered acceptance by the Contractor of the terms herein.

2. Compensation. Contractor shall be paid on a time and materials or firm fixed fee basis, as may be agreed upon by the parties as described in this Purchase Order, or in documents attached hereto and hereby made a part hereof, within 30 days of receipt of invoice. If the work is performed on a time and materials basis, the invoice shall include a detailed description of the work performed, labor hours and materials.

3. Compliance with Law. Contractor shall comply with all applicable laws and regulations of the federal, state and local government. DISTRICT shall assist Contractor, as requested, in obtaining and maintaining all permits required of Contractor by Federal, State and local regulatory agencies. Contractor is responsible for all costs of clean up and/or removal of hazardous and toxic substances spilled as a result of his or her work.

4. Standard of Care. The Contractor shall perform the work in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of the profession practicing under similar conditions. Contractor shall also comply with State and Federal environmental and safety regulations as they apply to the scope of work.

5. Insurance. Contractor shall take out and maintain: A. Commercial General Liability Insurance, of at least \$1,000,000 per occurrence/\$2,000,000 aggregate for bodily injury, personal injury and property damage, naming DISTRICT as an Additional Insured; B. Automobile Liability Insurance for bodily injury and property damage including coverage for owned, non-owned and hired vehicles, of at least \$1,000,000 per occurrence for bodily injury and property damage; C. Workers' Compensation in compliance with applicable statutory requirements and Employer's Liability Coverage of at least \$1,000,000 per occurrence; and D. Contractors providing professional services shall provide Professional Liability (Errors and Omissions) Insurance of at least \$1,000,000. Insurance carriers shall be licensed or authorized to do business in Nevada.

6. Indemnification. The Contractor shall indemnify and hold harmless DISTRICT, its officials, officers, agents and employees from and against any and all claims, liabilities, expenses or damages, including reasonable attorneys' fees, for injury or death of any person, or damage to property, or interference with use of property, or patent infringement or fees for use of patented items, or any claim of the Contractor or a subcontractor for wages or benefits which arise in connection with the performance of the Contract, except to the extent caused or resulting from the active or sole negligence or willful misconduct of DISTRICT. The foregoing indemnity includes, but is not limited to, the cost of prosecuting or defending such action with legal counsel acceptable to DISTRICT and DISTRICT's attorneys' fees incurred in such an action. If Contractor's obligation to defend, indemnify, and/or hold harmless arises out of Contractor's performance of "design professional" services subject to NRS 338.155, then, and only to the extent required

by NRS 338.155, which is fully incorporated herein, Contractor's indemnification obligation shall be limited to the extent that such liabilities, damages, losses, claims, actions or proceedings are caused by the negligence, errors, omissions, recklessness or intentional misconduct of the Contractor or its employees and agents. Moreover, while Contractor shall not be required to initially defend the District, Contractor, if adjudicated to be liable by a trier of fact, the Contractor shall be reimburse the District or the attorney's fees and costs incurred by the District defending the action in an amount which is proportionate to the liability of the Contractor.

9. Contract Terms. Nothing herein shall be construed to give any rights or benefits to anyone other than DISTRICT and the Contractor. The unenforceability, invalidity or illegality of any provision(s) of this Contract shall not render the other provisions unenforceable, invalid or illegal. Notice may be given or delivered by depositing the same in any United States Post Office, certified mail, return receipt requested, postage prepaid, addressed to the parties to the addresses set forth in the purchase order. Contractor shall not assign, sublet, or transfer this Contract or any rights under or interest in this Contract without the written consent of DISTRICT, which may be withheld for any reason. Contractor is retained as an independent contractor and is not an employee of DISTRICT. No employee or agent of Contractor shall become an employee of DISTRICT. This is an integrated Contract representing the entire understanding of the parties as to those matters contained herein, and supersedes and cancels any prior oral or written understanding or representations with respect to matters covered hereunder. This Contract may not be modified or altered except in writing signed by both parties hereto.

10. Notice of Labor Dispute. Whenever Contractor has knowledge that an actual or potential labor dispute may delay performance under this purchase order, Contractor shall immediately notify and submit all relevant information to DISTRICT.

11. Changes. By written notice, DISTRICT may from time to time, direct work suspension or make changes in quantities, drawings, designs, specifications, place of delivery or delivery schedules, methods of shipment and packaging, and property and services furnished to DISTRICT by Contractor. If such change causes an increase or decrease in the price of this purchase order or in the time required for performance, Contractor or DISTRICT shall promptly notify the other party thereof and assert its claim for adjustment within thirty (30) days after the change is ordered, and an equitable adjustment shall be made. However, nothing in this clause shall excuse the Contractor from proceeding immediately with the purchase order as changed.

12. Obligations. Contractor shall be solely responsible for providing all materials, labor, tools, equipment, water, light, power, transportation, superintendence, and temporary construction of every nature and all other services and all facilities necessary to execute, complete, and deliver the work within the specified time.

13. Damage to District Facilities. Damage to DISTRICT or public facilities or private property caused by the Contractor or by its subcontractors during performance of services shall be repaired and/or replaced in kind at no cost to the DISTRICT.

14. Site Safety and Cleanup. The project site shall be kept clean and free of hazards at all times during performance of services. After and installation is completed at the site, as

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applicable, Contractor shall clean the surrounding area to the condition prior to delivery and installation.

15. Installation. If the Contractor is responsible for providing installation services, finished installation work and/or equipment shall be subject to final inspection and acceptance or rejection by the DISTRICT.

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